

HASCO

Ermöglichen mit System.



K

2024



K-Platten **Programmerweiterung**

Weiter entwickeltes Plattenprogramm erhöht Flexibilität im Formenbau.

Das bewährte Plattenprogramm wird um rund 800 zusätzliche Varianten gebohrter K-Platten aufgestockt.

Die konsequente bedarfsorientierte Weiterentwicklung des Programms treibt die Standardisierung weiter voran. Neben Präzision und Qualität wird besonderer Wert auf eine höchstmögliche Verfügbarkeit und kürzeste Lieferzeiten gelegt.

K-plates **Extension of product range**

Further developed plate portfolio increases flexibility in mouldmaking.

The well-proven plate portfolio is being topped up by around 800 additional variants of drilled K-plates.

The consistent, demand-oriented, further development of the range drives standardisation further forward. Apart from precision and quality, special importance is attached to maximum availability and the shortest possible delivery times.

HASCO

Ermöglichen mit System.

K

Kombinierbar nach dem
Baukastenprinzip

Can be modularly combined

Combinable selon le principe
modulaire



HASCO

www.hasco.com

Unser Versprechen Our promise



Agilität

Wir erkennen und reagieren auf Ihre Bedürfnisse und die des Marktes.

Agility

We recognise and respond to your needs and those of the market.



Innovation

Wir arbeiten kontinuierlich an neuen Produkten und Services, um Ihr optimaler Entwicklungspartner zu sein.

Innovation

We work continuously on new products and services to be your optimum development partner.



Einfachheit

Wir ermöglichen Werkzeugbauern, Spritzgießern und Konstrukteuren den einfachsten Weg, Formen zu bauen.

Simplicity

We enable mouldmakers, injection moulders and designers the easiest way to build moulds.



Leistung

Unser gesamtes Handeln und Engagement gilt dem Erfolg unserer Kunden.

Performance

All our effort and commitment is focused to your success.



Formenbau beginnt mit HASCO.

Ermöglichen ist unsere Kernkompetenz.
Mit der Erfindung der Normalie haben wir internationale Standards definiert und den Formenbau revolutioniert.



K-Normalien, gebohrte, allseitig bearbeitete Platten mit hochpräzisen Führungssystemen, kombinierbar nach dem Baukastenprinzip.

K-Standards, plates with high-precision guiding systems for injection moulds can be modularly combined.

Mouldmaking starts with HASCO.

Enabling is our main area of expertise.
We define international standards and revolutionised mouldmaking with the invention of our standard mould base.



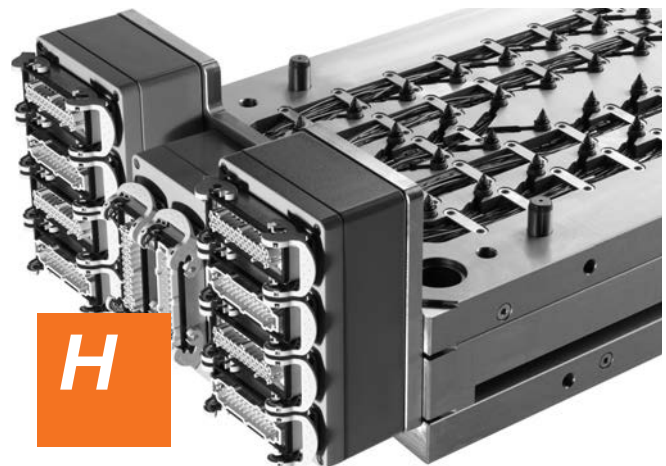
P-Normalien, ungebohrte, allseitig bearbeitete Platten für Formen und Werkzeuge.

P-Standards, precision machined plates for moulds, tools, jigs and fixtures.



Z-Normalien, einbaufertige Systemkomponenten für den Formenbau.

Z-Standards, ready-to-install system components for mouldmaking.



Heißkanalsysteme, Düsen- und Nadelventiltechnik, Regelgeräte.

Hot runner systems, nozzle and needle valve technology, control units.

Was können wir für Sie ermöglichen?

What can we enable for you?

K-Normalien

K-Standards

Standards K



PEFC zertifiziert

Papier stammt aus
nachhaltig bewirtschafteten Wäldern
und kontrollierten Quellen

www.pefc.de

PEFC certified

This product is from
sustainably managed forests
and controlled sources

www.pefc.co.uk

Certifié PEFC

Ce produit est issu de
forêts gérées durablement
et de sources contrôlées

www.pefc-france.org

Mit dieser Ausgabe verlieren alle vorherigen Ausgaben ihre Gültigkeit.
This edition replaces all previous editions, which are now invalid.
Cette nouvelle édition annule et remplace les éditions précédentes.

Stand
Version
Révision

02 / 24

Technische Änderungen vorbehalten. Bitte überprüfen Sie stets sämtliche Angaben anhand unserer veröffentlichten Produktinformationen im Internet.
Subject to technical modifications. Please always check all the data against the product information we publish on the internet.
Sous réserve de modifications techniques. Veuillez toujours vérifier toutes les données au moyen de nos informations produits publiées sur Internet.

www.hasco.com

Werkstoff-Spezifikationen
Material specifications
Spécifications des matériaux page / Seite 6

K-Normalien
K-Standards
Standards K page / Seite 9

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Spannvorrichtung
Clamping fixture
Dispositif se serrage



Werkstoff-Spezifikationen / Material specifications / Spécifications des matériaux

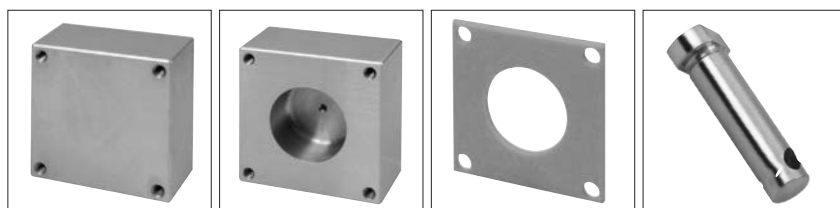
Werkstoffnr. Material no. N° de matériau	Richtanalyse Chemical composition Composition (%)			Festigkeit Strength Résistance	Eigenschaften Properties Propriétés	Farbcode Colour code Code couleur	Programm Product range Gamme de produits					
							P	P 1	P R	P 8000	F	K
Kurzname Abbreviated name Désignation												
1.1730	C 0,45	Si 0,3	Mn 0,7	~ 190 HB (~ 650 N/mm²)	Unlegierter Werkzeugstahl Non-alloy mould steel Acier à outils au carbone	weiß white blanc P 8000 grün/gelb green/yellow vert/jaune	X	X		X	X	X
C 45 U												
1.2083	C 0,4	Cr 14,0		max. 241 HB (~ 810 N/mm²)	Korrosionsbeständiger Werkzeugstahl Corrosion-resistant mould steel Acier à outils résistant à la corrosion	gelb / weiß yellow / white jaune / blanc	X	X				X
X 40 Cr 14												
1.2083ESU	C 0,4	Cr 14,0		max. 241 HB (~ 810 N/mm²)	Hochreiner, korrosions- beständiger Werkzeug- stahl High-purity, corrosion- resistant mould steel Acier à outils de haute pureté et résistant à la corrosion	gelb / weiß yellow / white jaune / blanc				X		
X 40 Cr 14												
1.2085	C 0,3	Si 0,5	Mn 1,0	280 - 325 HB (950 - 1100 N/mm²)	Korrosionsbeständiger, vorvergüteter Werkzeug- stahl Corrosion-resistant, pre-hardened mould steel Acier à outils pré-trempé résistant à la corrosion	schwarz / grün / grün black / green / green noir / vert / vert	X	X				X
X 33 CrS 16	Cr 16,0	S 0,1										
1.2099 HASCO.M	C 0,04	Mn 1,2	S 0,12	280 - 325 HB (950 - 1100 N/mm²)	Korrosionsbeständiger, vorvergüteter Werkzeug- stahl Corrosion-resistant, pre-hardened mould steel Acier à outils pré-trempé résistant à la corrosion	orange / blau orange / blue orange / bleu		X			X	
	Cr 13,0											
1.2162	C 0,21	Mn 1,3	Cr 1,2	max. 210 HB (~ 710 N/mm²)	Standard Einsatzstahl Standard case-hardened steel Acier pour travail standard	gelb yellow jaune F grau grey gris	X	X			X	X
21 MnCr 5												
1.2210	C 1,18	Si 0,25	Mn 0,3	max. 220 HB (~ 750 N/mm²)	Universell einsetzbarer Kaltarbeitsstahl (Silberstahl) Universally applicable cold-work steel (silver steel) Acier pour travail à froid d'utilisation universel (acier argenté)	blau / rot / grün blue / red / green bleu / rouge / vert				X		
115 Cr V3	Cr 0,7	V 0,1										

Werkstoff-Spezifikationen / Material specifications / Spécifications des matériaux

Werkstoffnr. Material no. N° de matériau	Richtanalyse Chemical composition Composition (%)			Festigkeit Strength Résistance	Eigenschaften Properties Propriétés	Farbcode Colour code Code couleur	Programm Product range Gamme de produits					
							P	P1	PR	P 8000	F	K
Kurzname Abbreviated name Désignation												
1.2311	C 0,4	Mn 1,5	Cr 1,9	280 - 325 HB (950 - 1100 N/mm²)	Vorvergüteter Werkzeugstahl Pre-hardened tool steel Acier à outils pré-trempé	blau / weiß / weiß blue / white / white bleu / blanc / blanc	X	X		X		X
40 CrMnMo 7	Mo 0,2											
1.2312	C 0,4	Mn 1,5	S 0,07	280 - 325 HB (950 - 1100 N/mm²)	Vorvergüteter Werkzeugstahl Pre-hardened tool steel Acier à outils pré-trempé	braun brown brun F gelb yellow jaune	X	X		X	X	X
40 CrMnMoS 8-6	Cr 1,9	Mo 0,2										
1.2343	C 0,37	Si 1,0	Cr 5,3	max. 229 HB (~ 770 N/mm²)	Hochlegierter Warm- arbeitsstahl High-alloy, hot-work steel Acier pour travail à chaud fortement allié	rot red rouge	X	X		X	X	X
X 37 CrMoV 5-1	Mo 1,3	V 0,4										
1.2343ESU	C 0,37	Si 1,0	Cr 5,3	max. 229 HB (~ 770 N/mm²)	Hochreiner, hochlegierter Warmarbeitsstahl High-purity, high-alloy, hot-work steel Acier pour travail à chaud fortement allié de haute pureté	rot red rouge	X	X		X	X	X
X 37 CrMoV 5-1	Mo 1,3	V 0,4										
1.2363	C 1,0	Cr 5,2	Mo 1,2	max. 241 HB (~ 810 N/mm²)	Maßstabiler Kaltarbeitsstahl Dimensionally stable cold-work steel Acier pour travail à froid avec stabilité dimen- sionnelle	gelb / blau yellow / blue jaune / bleu F braun brown brun					X	
X 100 CrMoV 5	V 0,3											
1.2379	C 1,53	Cr 12,0	Mo 0,7	max. 255 HB (~ 860 N/mm²)	Hoch chromlegierter Kaltarbeitsstahl High chrome-alloyed cold-work steel Acier pour travail à froid fortement chromé	schwarz / rot black / red noir / rouge F schwarz black noir				X	X	
X 155 CrVMo 12-1	V 1,0											
1.2436	C 2,1	Cr 12,0	W 0,7	max. 255 HB (~ 855 N/mm²)	Maßstabiler Chromstahl Dimensionally stable chrome steel Acier chromé avec stabilité dimensionnelle	schwarz / gelb black / yellow noir / jaune F grün green vert					X	
X 210 CrW 12												

Werkstoff-Spezifikationen / Material specifications / Spécifications des matériaux

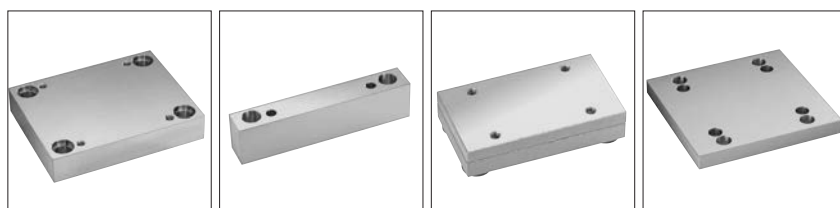
Werkstoffnr. Material no. N° de matériau	Richtanalyse Chemical composition Composition (%)			Festigkeit Strength Résistance	Eigenschaften Properties Propriétés	Farbcode Colour code Code couleur	Programm Product range Gamme de produits					
							P	P1	PR	P 8000	F	K
Kurzname Abbreviated name Désignation												
1.2714HH	C 0,55	Cr 1,1	Mo 0,5	max. 400 HB (~ 1350 N/mm²)	Durchhärterstahl, vergütet Pre-hardened steel Acier à outils prétraité							
55 NiCrMoV 7	Ni 1,7	V 0,1						X				
1.2767	C 0,45	Cr 1,4	Mo 0,3	max. 285 HB (~ 965 N/mm²)	Durchhärter, maßbe- ständiger Werkzeugstahl Hardened, dimensionally stable steel Acier à outils prétraité avec stabilité dimensionnelle	grün/weiß green/white vert/blanc F violett violet violet	X	X	X	X	X	X
45 NiCrMo 16	Ni 4,0											
1.2842 (1.2510*)	C 0,9	Mn 2,0	Cr 0,4	max. 229 HB (~ 770 N/mm²)	Kaltarbeitsstahl mit sehr guter Zerspanbarkeit Cold-work steel with high toughness Acier pour travail à froid avec une bonne stabilité dimensionnelle	schwarz/blau black/blue noir/bleu F blau blue bleu					X	
90 MnCrV 8	V 0,1	W 0,6 *										
3.4365	Si 0,4	Fe 0,5	Cu 1,6	max. 150 HB (~ 500 N/mm²)	Hochfeste, ausgehärtete Aluminium-Zink- Legierung High-strength, alumi- um- zinc alloy, hardened Alliage aluminium-zinc à haute résistance et durci		X		X			
AlZnMgCu 1.5	Mn 0,3	Mg 2,4	Cr 0,23									
	Zn 5,6	Ti 0,2										
Toolox33	C 0,23	Si 0,75	Mn 0,8	max. 300 HB (~ 1000 N/mm²)	Vergüteter Werkzeugstahl Hardened tool steel Acier à outils trempé	orange /weiß orange /white orange /blanc	X	X				X
	Cr 1,2	V 0,1	Ni ≤1,0									
	Mo 0,3											
Toolox44	C 0,32	Si 0,75	Mn 0,8	max. 450 HB (~ 1530 N/mm²)	Vergüteter Werkzeugstahl Hardened tool steel Acier à outils trempé	orange /grün orange /green orange /vert						
	Cr 1,35	V 0,14	Ni ≤1,0									
	Mo 0,8											



K 5000 / . . .

Werkzeugaufbau 75 x 75 mm
Mould base 75 x 75 mm
Carcasse 75 x 75 mm

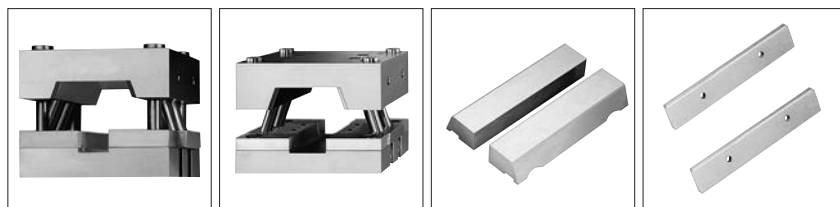
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Platten / Plates / Plaques

eckig
angular
angulaire

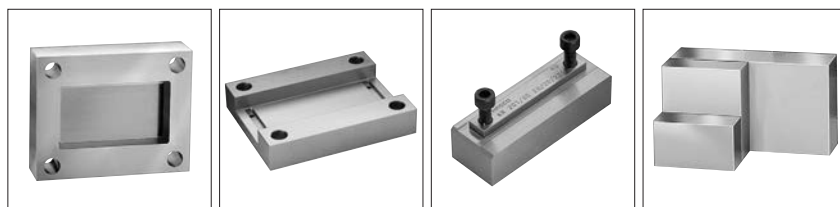
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K 2500 / . . . , K 2501 / . . .

Backenwerkzeug
Split mould kit
Moule à tiroirs

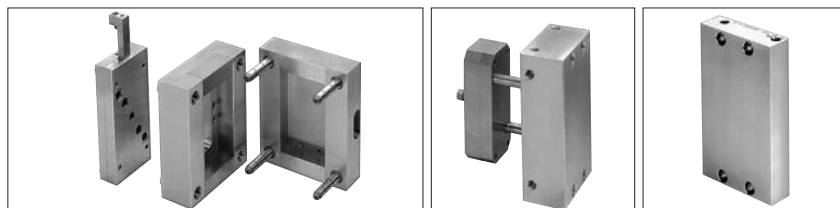
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KR / PR

Einsatz-Baukastensystem
Insert-Modular System
Système modulaire d'insert

283



K 3500 / . . . , K 3501 / . . .

Wechselwerkzeug-System
Quick-change mould system
Système de moule
à changement rapide

297



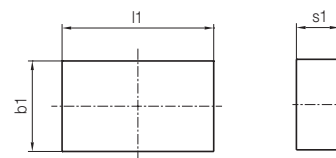
K 3600 / . . .

Kleinserienwerkzeug
Small series mould
Moule pour petites séries

309



Größenübersicht Size range Aperçu de Tailles



■ Neu / New / Nouveau

b1 \ l1	095	130	156	196	246	296	346	396	446	496	546	596	646	696	796	896	996	s1
095	■																	6
100		■																9
156			■	■														12
190				■	■													17
196				■	■	■												22
218					■	■												27
246					■	■	■											36
296						■	■	■										46
346							■	■	■									56
396								■	■	■								66
446									■	■	■							76
496										■	■	■						86
546											■	■	■					96
596												■	■	■				106
646													■	■	■			116
696														■	■	■		126
746															■	■	■	136
796																■	■	156
																	■	176
																	■	196

■ = **K2500 / K2501**
Backenwerkzeug
Split mould kits
Carcasse à tiroir

■ = **K3500**
Wechselwerkzeug-System
Quick-change mould system
Carcasse à changement rapide

◆ = **K3600**
Kleinserienwerkzeug
Small series mould
Carcasse pour petites séries

Werkstoffe:
1.1730, 1.2162, 1.2764, 1.2767, 1.2083,
1.2085, 1.2311, 1.2312, 1.2343, Toolox33
weitere Abmessungen sind in den
verfügbaren Stahlqualitäten als
Sonderanfertigung erhältlich

available in:
1.1730, 1.2162, 1.2764, 1.2767, 1.2083,
1.2085, 1.2311, 1.2312, 1.2343, Toolox33
other sizes in all available steel grades as
customized production

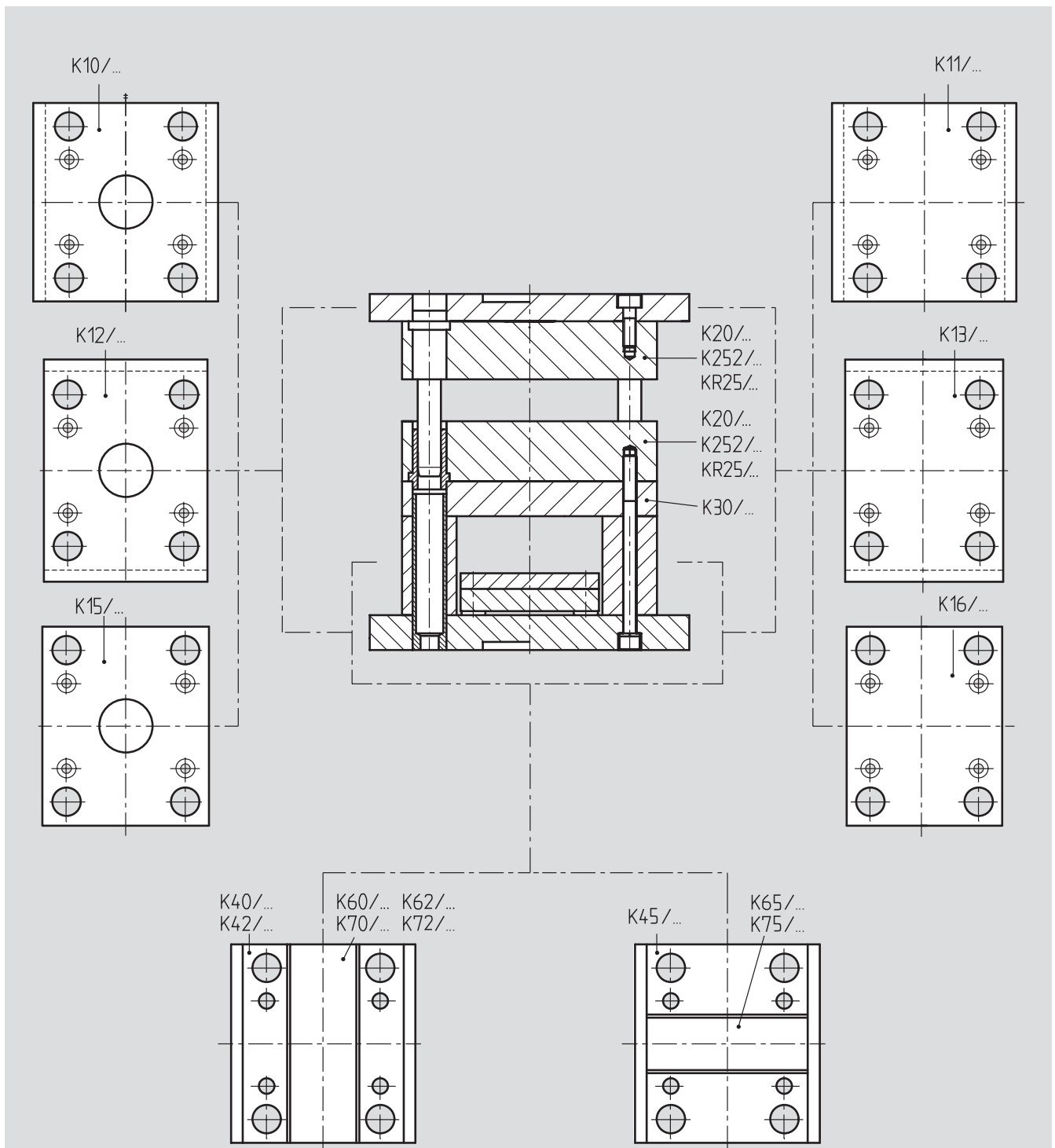
Disponible en aciers:
1.1730, 1.2162, 1.2764, 1.2767, 1.2083,
1.2085, 1.2311, 1.2312, 1.2343, Toolox33
Autres dimensions et aciers disponibles à
la demande sur chiffrage hors-standard

Bestellbeispiel Ordering example Exemple de commande

Formplatte
Mould plate
Plaque porte-empreinte

Produkt-Nr.	Product No	No. de produit	K 20	/	396 x 546 x 136	/	1.2312
Abmessung	Dimensions	Dimensions					
Plattendicke	Plate thickness	Epaisseur de plaque					
Werkstoff-Nr.	Material No	No. Matériau					

Standard-Werkzeugaufbau mit Varianten von Aufspannplatten und Leisten
 Standard mould base assembly with variations of clamping plates and risers
 Carcasses de moules standards avec différentes variantes de semelles et de tasseaux



Breite Leisten

Um die Gefahr der Durchbiegung zu minimieren, beachten Sie bitte auch die Breiten Leisten K42/... mit den dazugehörigen Auswerferplatten K62/..., K72/...

Wide risers

To minimise the danger of deflection, please note the wide risers K42/... with the associated ejector plates K62/... and K72/...

Tasseaux larges

Pour minimiser le risque de torsion, veuillez prendre connaissance des tasseaux larges K42/... et les batteries d'éjection correspondantes K62/..., K72/...

Beschriftung / marking / référence

Produkt product produit	Verpackung package emballage
K 40/...	
K 40/196 x 296 x ...	K 40/196 x 296 x ...
	K 40/218 x 296 x ...
	K 40/246 x 296 x ...
	K 40/296 x 296 x ...
	K 40/296 x 296 x ...
K 40/196 x 446 x ...	K 40/196 x 446 x ...
	K 40/246 x 446 x ...
	K 40/296 x 446 x ...
K 40/196 x 496 x ...	K 40/196 x 496 x ...
	K 40/246 x 496 x ...
	K 40/296 x 496 x ...
K 40/246 x 346 x ...	K 40/246 x 346 x ...
	K 40/296 x 346 x ...
	K 40/346 x 346 x ...
K 40/246 x 396 x ...	K 40/246 x 396 x ...
	K 40/296 x 396 x ...
K 40/246 x 546 x ...	K 40/246 x 546 x ...
	K 40/296 x 546 x ...
K 40/246 x 596 x ...	K 40/246 x 596 x ...
	K 40/296 x 596 x ...
K 40/296 x 646 x ...	K 40/296 x 646 x ...
	K 40/346 x 646 x ...
	K 40/396 x 646 x ...
	K 40/446 x 646 x ...
	K 40/496 x 646 x ...
K 40/296 x 696 x ...	K 40/296 x 696 x ...
	K 40/346 x 696 x ...
	K 40/396 x 696 x ...
	K 40/446 x 696 x ...
	K 40/496 x 696 x ...
K 40/346 x 446 x ...	K 40/346 x 446 x ...
	K 40/396 x 446 x ...
	K 40/446 x 446 x ...
K 40/346 x 546 x ...	K 40/346 x 546 x ...
	K 40/446 x 546 x ...
	K 40/496 x 546 x ...
K 40/346 x 596 x ...	K 40/346 x 596 x ...
	K 40/396 x 596 x ...
	K 40/446 x 596 x ...
	K 40/496 x 596 x ...
	K 40/546 x 596 x ...
K 40/346 x 796 x ...	K 40/346 x 796 x ...
	K 40/396 x 796 x ...
	K 40/446 x 796 x ...
K 40/496 x 796 x ...	K 40/496 x 796 x ...
	K 40/546 x 796 x ...
	K 40/596 x 796 x ...
	K 40/646 x 796 x ...
	K 40/796 x 796 x ...

Produkt product produit	Verpackung package emballage
K 40/496 x 896 x ...	K 40/496 x 896 x ...
	K 40/546 x 896 x ...
	K 40/596 x 896 x ...
	K 40/646 x 896 x ...
	K 40/696 x 896 x ...
	K 40/746 x 896 x ...
	K 40/796 x 896 x ...
	K 40/796 x 896 x ...
K 40/496 x 996 x ...	K 40/496 x 996 x ...
	K 40/546 x 996 x ...
	K 40/596 x 996 x ...
	K 40/646 x 996 x ...
	K 40/696 x 996 x ...
K 40/596 x 646 x ...	K 40/596 x 646 x ...
	K 40/646 x 646 x ...
	K 40/646 x 646 x ...
K 40/596 x 696 x ...	K 40/596 x 696 x ...
	K 40/646 x 696 x ...
	K 40/696 x 696 x ...
K 42/...	
K 42/196 x 296 x ...	K 42/196 x 296 x ...
	K 42/218 x 296 x ...
	K 42/246 x 296 x ...
	K 42/296 x 296 x ...
K 42/196 x 446 x ...	K 42/196 x 446 x ...
	K 42/246 x 446 x ...
	K 42/296 x 446 x ...
K 42/196 x 496 x ...	K 42/196 x 496 x ...
	K 42/246 x 496 x ...
	K 42/296 x 496 x ...
K 42/246 x 346 x ...	K 42/246 x 346 x ...
	K 42/296 x 346 x ...
	K 42/346 x 346 x ...
K 42/246 x 396 x ...	K 42/246 x 396 x ...
	K 42/296 x 396 x ...
K 42/246 x 546 x ...	K 42/246 x 546 x ...
	K 42/296 x 546 x ...
K 42/246 x 596 x ...	K 42/246 x 596 x ...
	K 42/296 x 596 x ...

Produkt product produit	Verpackung package emballage
K 42/296 x 646 x ...	K 42/296 x 646 x ...
	K 42/346 x 646 x ...
	K 42/396 x 646 x ...
	K 42/446 x 646 x ...
	K 42/496 x 646 x ...
K 42/296 x 696 x ...	K 42/296 x 696 x ...
	K 42/346 x 696 x ...
	K 42/396 x 696 x ...
	K 42/446 x 696 x ...
	K 42/496 x 696 x ...
K 42/346 x 446 x ...	K 42/346 x 446 x ...
	K 42/396 x 446 x ...
	K 42/446 x 446 x ...
K 42/346 x 546 x ...	K 42/346 x 546 x ...
	K 42/446 x 546 x ...
	K 42/496 x 546 x ...
K 42/346 x 596 x ...	K 42/346 x 596 x ...
	K 42/396 x 596 x ...
	K 42/446 x 596 x ...
	K 42/496 x 596 x ...
K 42/346 x 796 x ...	K 42/346 x 796 x ...
	K 42/396 x 796 x ...
	K 42/446 x 796 x ...
K 42/396 x 496 x ...	K 42/396 x 496 x ...
	K 42/446 x 496 x ...
	K 42/496 x 496 x ...
K 42/396 x 896 x ...	K 42/396 x 896 x ...
	K 42/446 x 896 x ...
K 42/496 x 796 x ...	K 42/496 x 796 x ...
	K 42/546 x 796 x ...
	K 42/596 x 796 x ...
	K 42/646 x 796 x ...
	K 42/696 x 796 x ...
	K 42/746 x 796 x ...
K 42/496 x 896 x ...	K 42/496 x 896 x ...
	K 42/546 x 896 x ...
	K 42/596 x 896 x ...
	K 42/646 x 896 x ...
	K 42/696 x 896 x ...
K 42/496 x 996 x ...	K 42/496 x 996 x ...
	K 42/546 x 996 x ...
	K 42/596 x 996 x ...
	K 42/646 x 996 x ...
	K 42/696 x 996 x ...
K 42/596 x 646 x ...	K 42/596 x 646 x ...
	K 42/646 x 646 x ...
	K 42/646 x 646 x ...
K 42/596 x 696 x ...	K 42/596 x 696 x ...
	K 42/646 x 696 x ...
	K 42/696 x 696 x ...

Beschriftung / marking / référence

Produkt product produit	Verpackung package emballage	Produkt product produit	Verpackung package emballage	Produkt product produit	Verpackung package emballage
K 45/...		K 45/396 x 396 x ...	K 45/396 x 396 x ... K 45/396 x 446 x ... K 45/396 x 496 x ... K 45/396 x 596 x ... K 45/396 x 646 x ... K 45/396 x 696 x ... K 45/396 x 796 x ... K 45/396 x 896 x ...	K 45/596 x 646 x ...	K 45/596 x 646 x ... K 45/596 x 696 x ... K 45/596 x 796 x ... K 45/596 x 896 x ... K 45/596 x 996 x ...
K 45/156 x 156 x ...	K 45/156 x 156 x ... K 45/156 x 246 x ... K 45/156 x 296 x ... K 45/156 x 346 x ...	K 45/446 x 446 x ...	K 45/446 x 446 x ... K 45/446 x 496 x ... K 45/446 x 546 x ... K 45/446 x 596 x ... K 45/446 x 646 x ... K 45/446 x 696 x ... K 45/446 x 796 x ... K 45/446 x 896 x ...	K 45/646 x 646 x ...	K 45/646 x 646 x ... K 45/646 x 696 x ... K 45/646 x 796 x ... K 45/646 x 896 x ... K 45/646 x 996 x ...
K 45/196 x 296 x ...	K 45/196 x 296 x ... K 45/196 x 346 x ...			K 45/696 x 696 x ...	K 45/696 x 696 x ... K 45/696 x 796 x ... K 45/696 x 896 x ... K 45/696 x 996 x ...
K 45/196 x 396 x ...	K 45/196 x 396 x ... K 45/196 x 446 x ... K 45/196 x 496 x ...				K 45/746 x 796 x ... K 45/746 x 896 x ... K 45/746 x 996 x ...
K 45/246 x 346 x ...	K 45/246 x 346 x ... K 45/246 x 446 x ... K 45/246 x 496 x ... K 45/246 x 546 x ... K 45/246 x 596 x ...				
K 45/296 x 346 x ...	K 45/296 x 346 x ... K 45/296 x 446 x ... K 45/296 x 496 x ... K 45/296 x 546 x ... K 45/296 x 596 x ...				
K 45/296 x 646 x ...	K 45/296 x 646 x ... K 45/296 x 696 x ...				
K 45/346 x 396 x ...	K 45/346 x 396 x ... K 45/346 x 496 x ...				
K 45/346 x 446 x ...	K 45/346 x 446 x ... K 45/346 x 546 x ... K 45/346 x 596 x ... K 45/346 x 646 x ... K 45/346 x 696 x ... K 45/346 x 796 x ...				
		K 45/496 x 496 x ...	K 45/496 x 496 x ... K 45/496 x 546 x ... K 45/496 x 596 x ... K 45/496 x 646 x ... K 45/496 x 696 x ...	K 45/796 x 796 x ...	K 45/796 x 796 x ... K 45/796 x 896 x ... K 45/796 x 996 x ...
		K 45/496 x 796 x ...	K 45/496 x 796 x ... K 45/496 x 896 x ... K 45/496 x 996 x ...		
		K 45/546 x 546 x ...	K 45/546 x 546 x ... K 45/546 x 596 x ... K 45/546 x 646 x ... K 45/546 x 696 x ...		
		K 45/546 x 796 x ...	K 45/546 x 796 x ... K 45/546 x 896 x ... K 45/546 x 996 x ...		

K 40/..., K 42/..., K 45/...

Identische Leisten passend zu mehreren Werkzeuggrößen

Identical risers suitable for several mould sizes

Tasseaux identiques pouvant se monter sur différentes tailles de carcasses

Beachten:

Die Produktbeschriftung verweist jeweils auf die kleinste Werkzeuggröße.

Die Verpackung von K 40/..., K 42/... und K 45/... ist mit allen Größen beschriftet.

Caution:

The product marking each refers to the smallest mould size.

The packages of K 40/..., K 42/... and K 45/... are marked with all sizes.

Remarque:

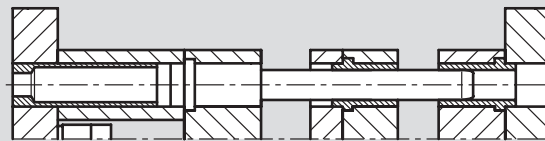
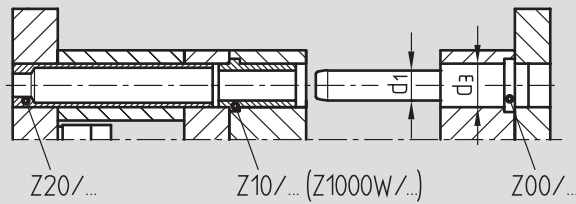
La référence du produit se rapporte à la taille de carcasse la plus petite.

L'emballage des K 40/..., K 42/... et K 45/... reprend toutes les tailles de carcasses possibles.

Führungselemente

Guide elements

Éléments de guidage



Die Führungs- und Zentrierelemente haben innerhalb einer Werkzeuggröße gleiche Aufnahmedurchmesser (d_3).

The guiding and locating components have the same diameter (d_3) within one mould size.

Les éléments de guidage et de centrage possèdent le diamètre (d_3) identique dans une même carcasse de moule.

Die Führungsdurchmesser (d_1) sind unterschiedlich und vermeiden Fehler beim Zusammenfügen der Werkzeughälften.

The guide diameters (d_1) are variable and avoid errors when assembling the mould halves.

Les diamètres de guidage (d_1) sont variables et évitent ainsi des erreurs lors de l'assemblage de deux parties de moule.

Die Platten sind beliebig kombinier- und austauschbar.

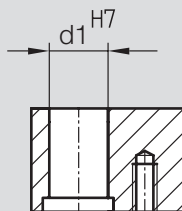
The plates can be combined and interchanged as required.

Les plaques peuvent être combinés et interchangeables.

Härte und Bearbeitungsverzug kann ausgeglichen werden durch Aufschleifen der Bohrungen (ϕx) bei den Formplatten K252/...

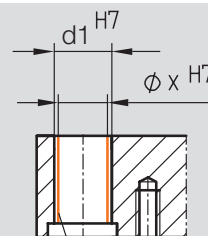
Hardness and distortion can be compensated for by jig-grinding the holes (dia. x) of the K252/... cavity plates.

La trempe et la distorsion peuvent être compensées par la reprise des alésages (dia. x) sur les plaques porte-empreintes à colonnage ébauché K252/...



K20/..., KR25/...

Systembohrung
Guide hole
Alésage de système



K252/...

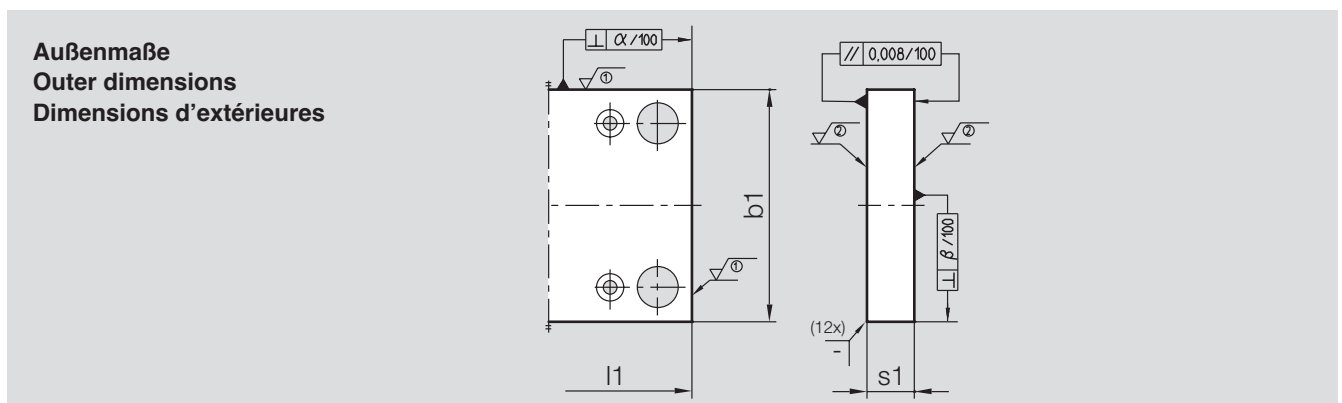
Systembohrung mit Bearbeitungszugabe
Guide hole with machining allowance
Alésage de système avec surépaisser

Bearbeitungszugabe
Machining allowance
Surépaisser

System-Ø (eckige Platten)
System-diameters (angular plates)
Diamètres du système (plaques angulaires)

b1 \ l1	095	130	156	196	246	296	346	396	446	496	546	596	646	696	796	896	996
095	Ø 14																
100		Ø 14															
156					Ø 20												
190																	
196					Ø 26												
218																	
246																	
296							Ø 30										
346																	
396																	
446																	
496																	
546																	
596																	
646																	
696																	
746																	
796																	

Toleranzen für K-Normalien
Tolerances for K standards
Tolérances pour standards K



	HASCO-Nennmaßbereich [mm] HASCO nominal dimension range Cote nominale HASCO	K-Normalien K-Standards Standards K
b1	$\geq 95 \dots \leq 996$	+0,15
l1	$\geq 95 \dots \leq 996$	0,02
$\alpha/100$	$\geq 95 \dots \leq 996$	0,03
$\beta/100$	$\geq 95 \dots \leq 996$	Rz 25
$\sqrt{\alpha/100}$	$\geq 95 \dots \leq 996$	Rz 10
$\sqrt{\beta/100}$	$\geq 95 \dots \leq 996$	+0,1/+0,25
s1	$\geq 6 \dots \leq 996$	+0,02
s1 (Leisten/risers/tasseaux) K40/..., K45/... eckig	alle Größen all sizes toutes les tailles	

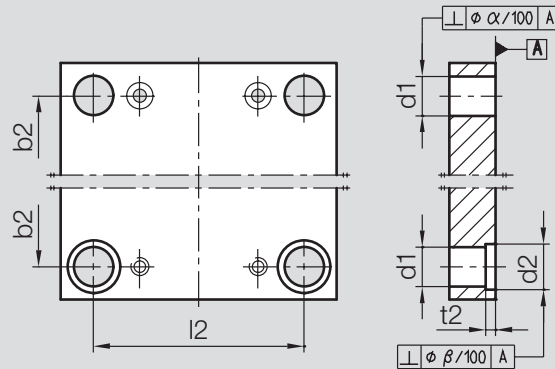
Alle Angaben sind in [mm] und beziehen sich auf eine Umgebungstemperatur von 20°C.

All the details are given in [mm] and they are based on an ambient temperature of 20°C.

Toutes les valeurs indiquées sont indiquées en [mm] et s'appliquent à une température ambiante de 20 °C.

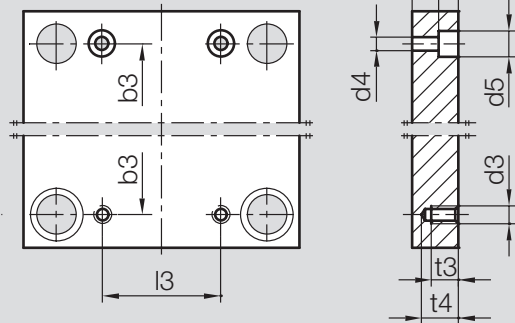
Toleranzen für K-Normalien
Tolerances for K standards
Tolérances pour standards K

Führungsbohrungen
Guide holes
Aléssages de guidage

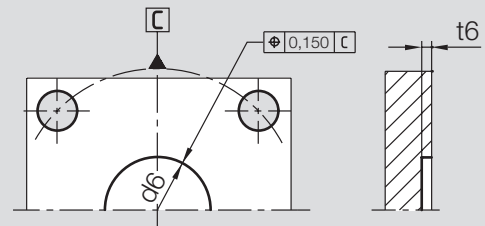


	ISO-Nennmaßbereich ISO nominal dimension range Cote nominale ISO	ISO-Toleranz ISO tolerance Tolérance ISO
b2 / l2	≧ 63 ... ≦ 80	± 0,007
	> 80 ... ≦ 100	± 0,009
	> 100 ... ≦ 125	± 0,01
	> 125 ... ≦ 160	± 0,011
	> 160 ... ≦ 200	± 0,012
	> 200 ... ≦ 250	± 0,013
	> 250 ... ≦ 315	± 0,015
	> 315 ... ≦ 400	± 0,016
	> 400 ... ≦ 500	± 0,017
	> 500 ... ≦ 630	± 0,019
	> 630 ... ≦ 800	± 0,02
	> 800 ... ≦ 1000	± 0,022
d1	≧ 10 ... ≦ 80	H7
d2	≧ 10 ... ≦ 80	+ 0,5
t2	≧ 3 ... ≦ 18	+ 0,2
α/100	Standard alle Größen/all sizes/toutes les tailles K40/..., K45/...	0,02
	alle Größen/all sizes/toutes les tailles	0,03
β/100	alle Größen/all sizes/toutes les tailles	0,02

Schraubenbohrungen
Screw hole dimensions
Alésages de vis



Zentrierflansch-Ausdrehung
Recess for locating ring
Dévissage de rondelle de centrage



d3 \ s1	M4		M5		M6		M8		M10		M12		M16		M20	
	t3	t4	t3	t4	t3	t4	t3	t4	t3	t4	t3	t4	t3	t4	t3	t4
9	7	12														
12					7	10										
17							10	15								
22									15	20						
27											18	25				
36													24	34		
46															32	44
56																
66																
76																
86																
96																
116																
136																
156																
176																
196																
Tol.	+0,5															

Ist „s1“ für den jeweiligen Gewinde-Ø kleiner als das Maß „t4“, ist die Gewindebohrung durchgehend.

If, for the respective thread Ø, „s1“ is smaller than the dimension „t4“, the threaded bore is continuous.

Si la valeur « s1 » du diamètre de filetage correspondant est inférieure à la cote « t4 », le trou taraudé est alors continu.

d3	M4	M5	M6	M8	M10	M12	M16	M20
d5	8	10	11	15	18	20	26	33
Tol.	H13							
t5	5,5	6,6	8,4*	11	13	15,5**	21***	26
Tol.	+0,5							
d4	4,5	5,5	6,6	9	11	14	18	22
Tol.	H13							

* s1 = 9; t5 = 6,4

** s1 = 17; t5 = 13

*** s1 = 22; t5 = 17,5

b3/l3	ISO-Nennmaßbereich ISO nominal dimension range Cote nominale ISO		ISO-Toleranz ISO tolerance Tolérance ISO	
	≧ 30 ... ≦ 120		±0,2	
	> 120 ... ≦ 400		±0,25	
	> 400 ... ≦ 1000		±0,35	

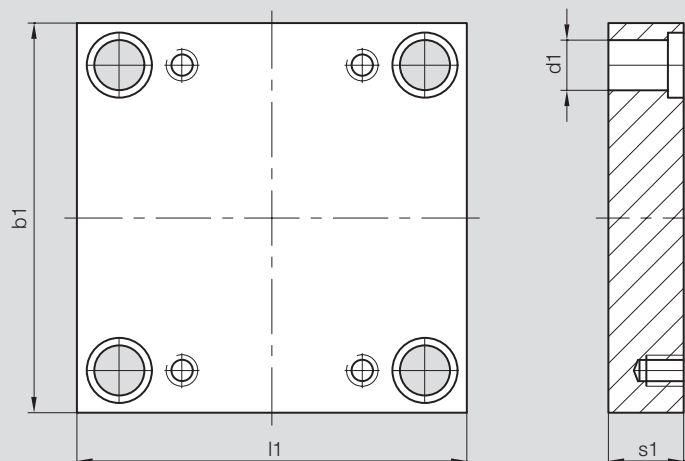
d6	ISO-Nennmaßbereich ISO nominal dimension range Cote nominale ISO		ISO-Toleranz ISO tolerance Tolérance ISO	
	≧ 18 ... ≦ 30		H8	
	≧ 80 ... ≦ 120			
t6	4		+0,25	

Toleranzen für K 252/... /Tolerances for K 252/... / Tolérances pour K 252/...

**Formplatten mit Aufmaß
in der Dicke und in den
Systembohrungen**

**Mould plates with machining
allowance on the thickness
and the guide holes**

**Plaque porte-empreintes avec
surcote dans l'épaisseur et le
colonnage.**



Nennmaßbereich nominal dimension range Cote nominale		Toleranz tolerance tolérance		d1 H7					
b1	l1	b1 / l1	s1						
≤ 296	≤ 296	+0,15	+0,2/+0,4	* +0,10/+0,25	13,75	19,6	25,5	29,4	41,3
> 296	> 296		+0,4/+0,6						

* gilt nur für Material/only for materials/seulement pour les matériaux
1.2085, 1.2311, 1.2312, Toolox33

Beachten :

Die Toleranz „s1“ ist abhängig von der größten Kantenlänge.

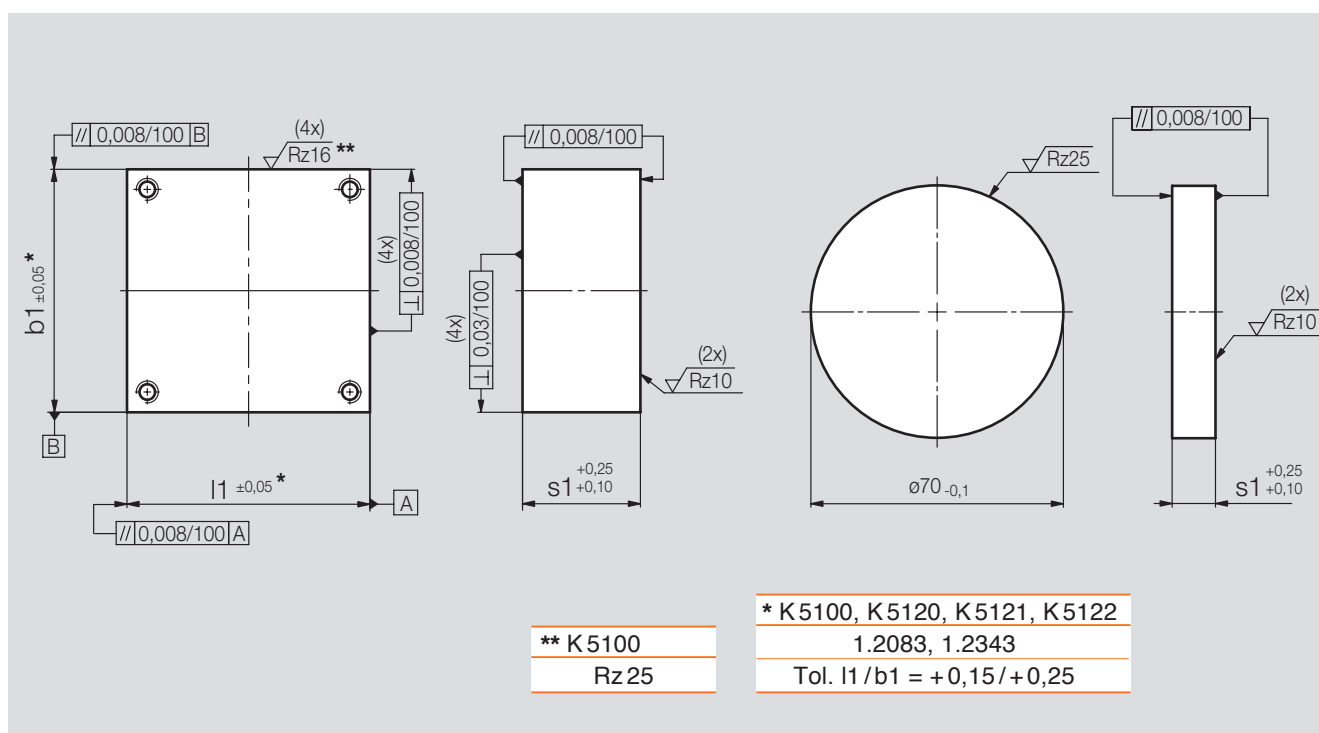
Note :

Tolerance “s1” depends on the largest edge length.

Remarque :

La tolérance « s1 » est fonction de la plus grande longueur de plaque.

Toleranzen für K 5000/... /Tolerances for K 5000/... / Tolérances pour K 5000/...



Notizen / Notes

A large grid of graph paper, consisting of many small squares, intended for taking notes. The grid covers the majority of the page area below the header.



*Ermöglicher für Standards
Enabler for standards*



***Konstruieren,
Bauen,
Produzieren –
für Sie
konsequent
standardisiert.***

- Vollsortiment
- 100.000 Produkte
- Standardisiert und konfigurierbar

***Designing,
building,
producing –
consistently
standardised
for you.***

- Interchangeable around the world
- 100,000 products
- Configurable assemblies for flexibility

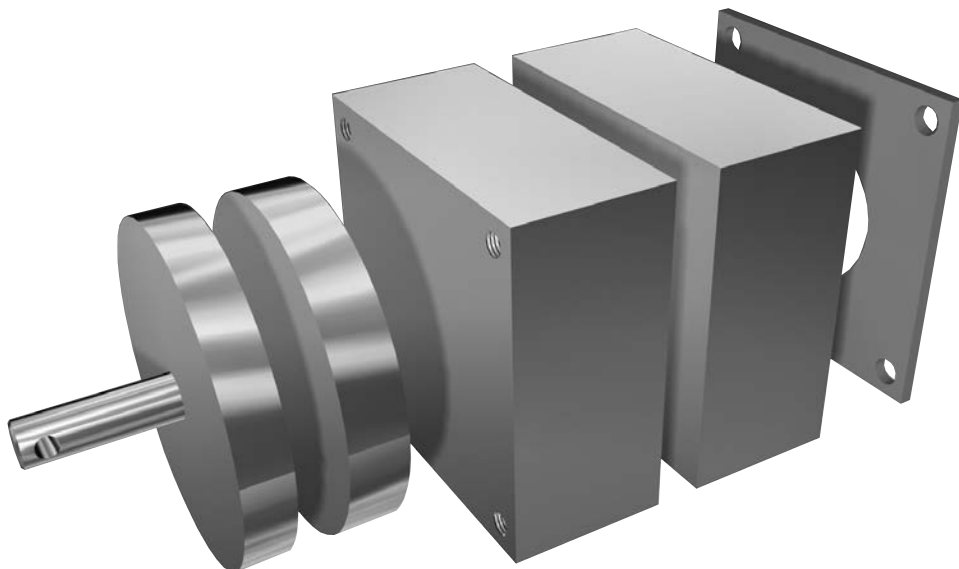
K5000/...

Werkzeugaufbau 75 x 75 mm
Moldbase 75 x 75 mm
Carcasse 75 x 75 mm

Die Größe 75 x 75 mm wurde konzipiert für die Babyplast Spritzgießmaschine, zur Produktion von Mikro-Spritzgießteilen.

The size 75 x 75 mm, has been designed for the „Babyplast“-injection moulding machine, for the production of micro-injection moulded parts.

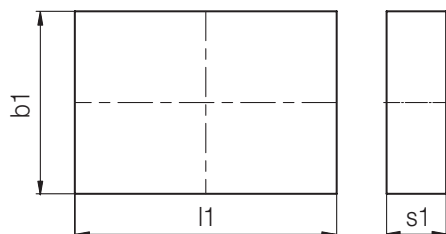
La dimension 75 x 75 mm a été conçue pour les mini-presses Babyplast pour une production de petites pièces.



K5100/...

Formplatte, ungebohrt
Cavity plate, undrilled
Plaque porte-empainte, sans trou

Mat.: 1. 2083, 1.2085, 1.2343

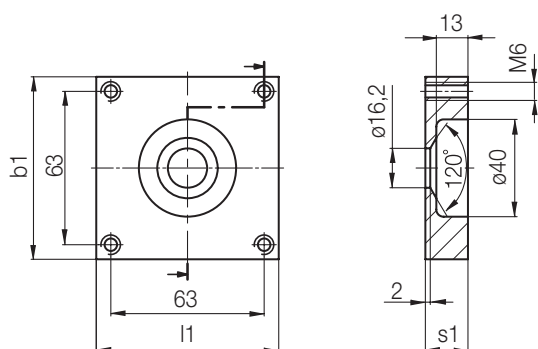


b1	l1	s1	Mat.			Nr. / No.
			1.2083	1.2085	1.2343	
75	120	41	■	■	■	K 5100/075 x 120 x 41 / Mat.
		50	■	■	■	50 / Mat.
		60	■	■	■	60 / Mat.

K5110/...

Aufspannplatte
Clamping plate
Plaque de fixation

Mat.: 1.2312

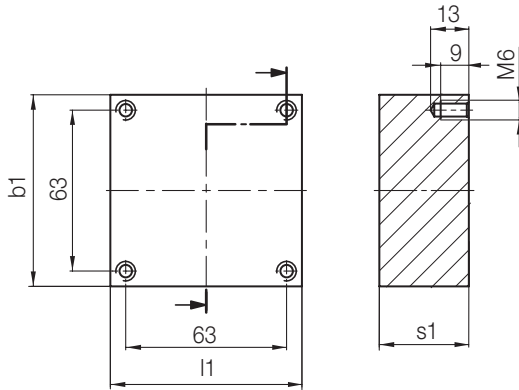


b1	l1	s1	Mat.	Nr. / No.
75	75	17,5	1.2312	K 5110/075 x 075 x 17,5 / 1.2312

K5120/...

Formplatte
Cavity plate
Plaque porte-empreinte

Mat.: 1.2083, 1.2085, 1.2343

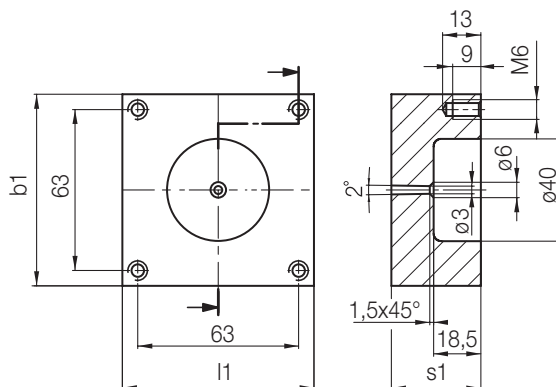


b1	l1	s1	Mat.			Nr. / No.
			1.2083	1.2085	1.2343	
75	75	20	■	■	■	K 5120/075x075x20 / Mat.
		30	■	■	■	30 / Mat.
		40	■	■	■	40 / Mat.
		50	■	■	■	50 / Mat.
		60	■	■	■	60 / Mat.

K5121/...

Formplatte zentraler Anguss mit Taschenausfräsung
Cavity plate, central sprue with pocket
Plaque porte-empreinte, carotte centrale avec bassin fraisé

Mat.: 1.2083, 1.2085, 1.2343

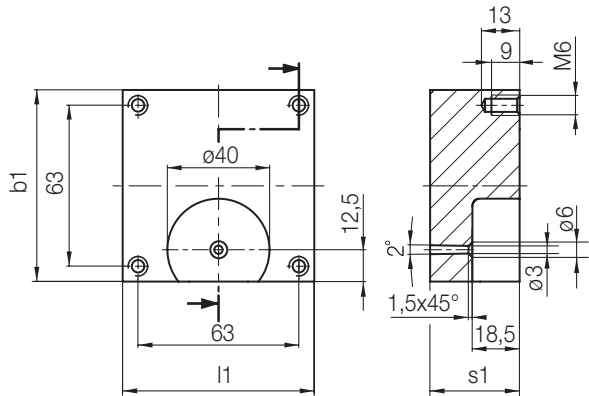


b1	l1	s1	Mat.			Nr. / No.
			1.2083	1.2085	1.2343	
75	75	40	■	■	■	K 5121/075x075x40 / Mat.
		50	■	■	■	50 / Mat.
		60	■	■	■	60 / Mat.

K5122/...

Formplatte dezentraler Anguss mit Taschenausfräsung
Cavity plate, off-center sprue with pocket
Plaque porte-empreinte, carotte décentrée avec bassin fraisé

Mat.: 1.2083, 1.2085, 1.2343

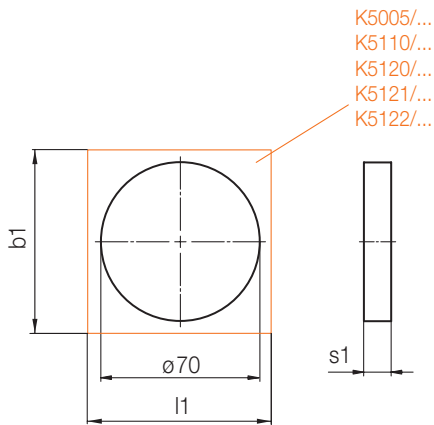


b1	l1	s1	Mat.			Nr. / No.
			1.2083	1.2085	1.2343	
75	75	40	■	■	■	K 5122/075 x 075 x 40 / Mat.
		50	■	■	■	50 / Mat.
		60	■	■	■	60 / Mat.

K5160/...

Auswerferhalteplatte
Ejector retainer plate
Plaque d'éjection

Mat.: 1.2312

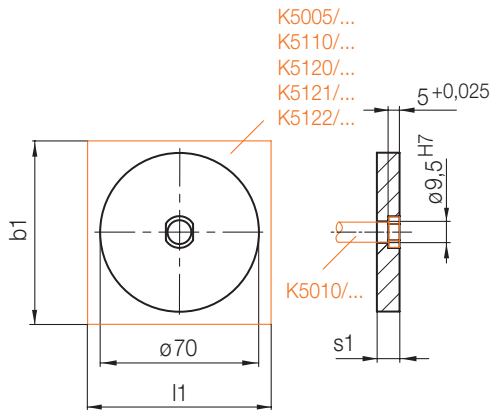


b1	l1	s1	Mat.	Nr. / No.
75	75	12	1.2312	K 5160/075 x 075 x 12 / 1.2312

K5170/...

Auswerfergrundplatte
Ejector base plate
Contre plaque d'éjection

Mat.: 1.2312

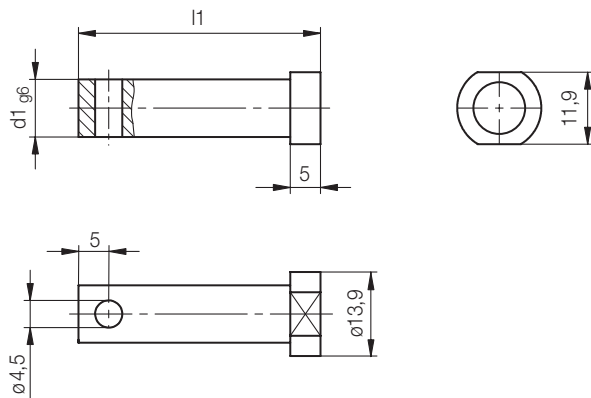


b1	l1	s1	Mat.	Nr. / No.
75	75	10	1.2312	K 5170/075x075x10/1.2312

K5010/...

Auswerferbolzen
Ejector rod
Queure d'éjection

Mat.: 1.2312



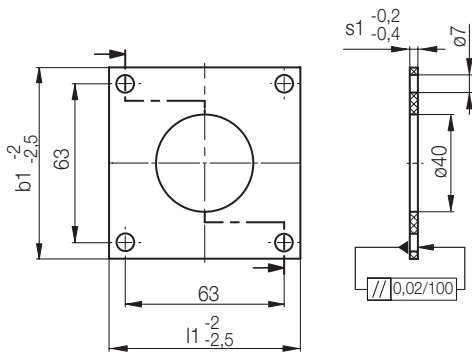
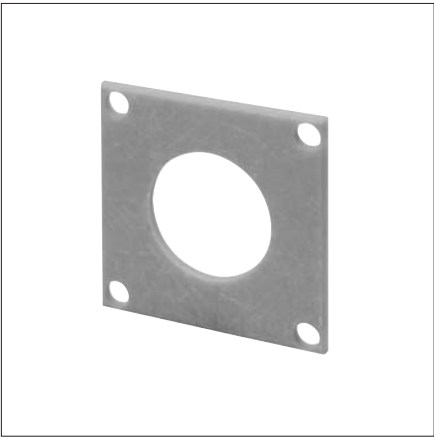
Mat.	d1	l1	Nr. / No.
1.2312	9,5	40	K 5010/9,5x40

K5005/...

Wärmeisolierplatte
Thermal insulating sheet
Plaque isolante

Mat.: Hochtemperatur - Polymer / Glasfaser
Polymere / Glass fibre
Polymère / Fibres de verre

Max. 220 °C
 $\lambda = 0,18 \text{ W/mK}$



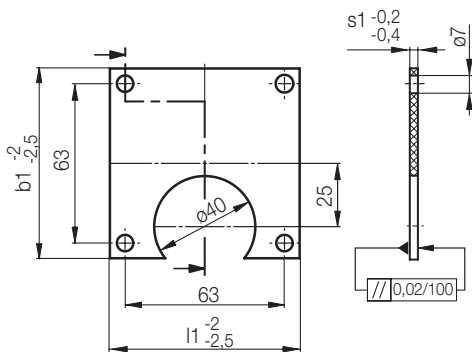
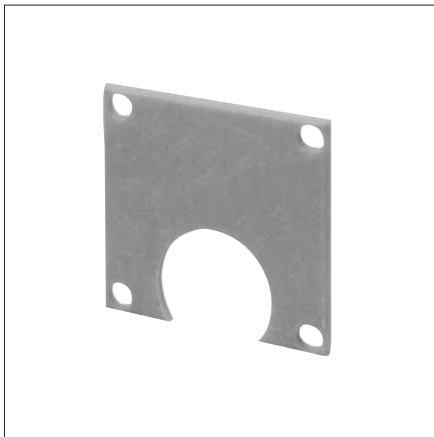
b1	l1	s1	Nr. / No.
75	75	3	K5005/075x075x 3

K5006/...

Wärmeisolierplatte
Thermal insulating sheet
Plaque isolante

Mat.: Hochtemperatur - Polymer / Glasfaser
Polymere / Glass fibre
Polymère / Fibres de verre

Max. 220 °C
 $\lambda = 0,18 \text{ W/mK}$



b1	l1	s1	Nr. / No.
75	75	3	K5006/075x075x 3





Ermöglicher für Stahl
Enabler for steel



***Unser Stahl
macht Sie
produktiv.***

- Höchste Materialqualität
- Spannungsarm gegläht
- Einfache Bearbeitung

***Our steel
enables your
productivity.***

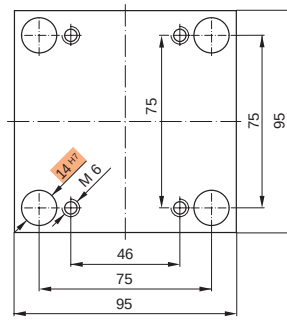
- High-quality material
- Stress relief annealed
- Easy and stable to machine

K

K-Normalien, eckig
K-standards, angular
Standards K, angulaire



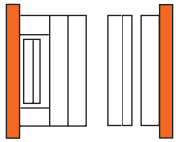
095 x 095



Bestellbeispiel:
Ordering example:
Exemple de commande:

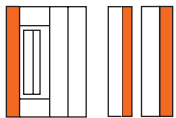
K20 / 095 x 095 x 36 / 1.2767

K10 / K10C K11 / K11C



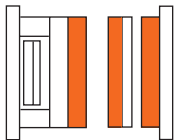
K10C ◆		K11C ◆	
K10/095x095 x s1/		K11/095x095 x s1/	
22	1.1730 1.2162 1.2085 1.2312	22	1.1730 1.2162 1.2085 1.2312
	■ ◆		■ ◆

K15 K16



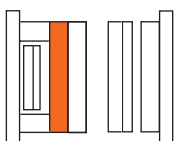
K15		K16	
K15/095x095 x s1/		K16/095x095 x s1/	
12	1.1730 1.2162 1.2085 1.2312	12	1.1730 1.2162 1.2085 1.2312
17	■	17	■

K20 K252



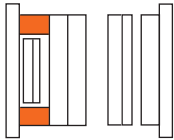
K20 ■		K252 ◆	
.../095x095 x s1/		...	
9	1.1730 1.2162 1.2767 1.2083 1.2085 1.2311 1.2312 1.2343 1.2343 ESU/ESR	9	1.2312 1.2343 1.2343 ESU/ESR
12	■	12	■
17	■	17	■
22	■	22	■
27	■	27	■
36	■	36	■
46	■	46	■
56	■	56	■

K30

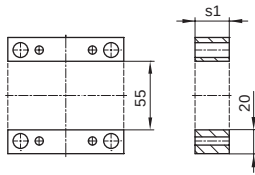


K30	
K30/095x095 x s1/	
6	1.1730 1.2085 1.2312
12	■
17	■

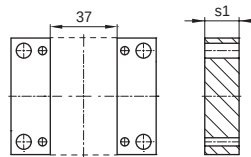
K40
K45



K40 ■



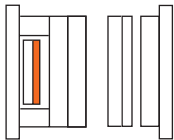
K45 ◆



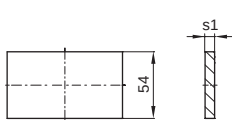
.../095x095 x s1/	1.1730	1.2085	1.2312
22	■ ◆	■ ◆	
27	■ ◆	■ ◆	
36	■ ◆	■ ◆	

.../095x095 x s1/	1.1730	1.2085	1.2312
46	■ ◆	■ ◆	
56	■	■	
66	■	■	

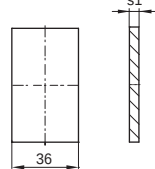
K60
K65



K60 ■

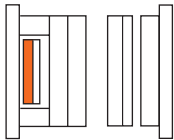


K65 ◆

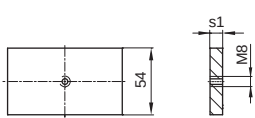


.../095x095 x s1/	1.1730	1.2085	1.2312
6	■ ◆	■ ◆	

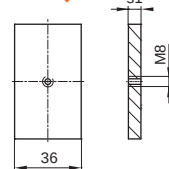
K70
K75



K70 ■

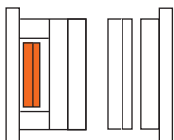


K75 ◆

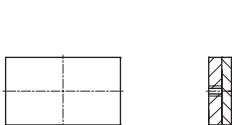


.../095x095 x s1/	1.1730	1.2085	1.2312
9	■ ◆	■ ◆	■ ◆

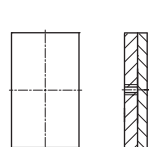
K60-70
K65-75



K60-70 ■



K65-75 ◆

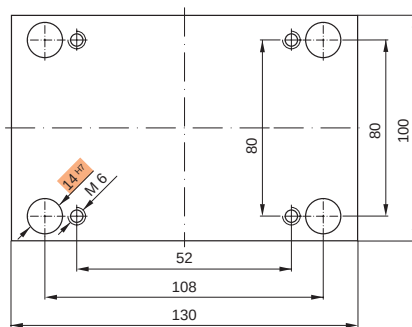


.../095x095 x	1.1730	1.2085
	■ ◆	■ ◆

100 x 130



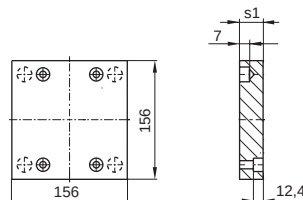
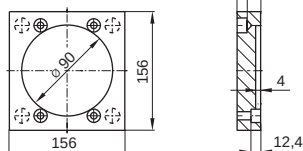
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Répertoire K 2500 / ...
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Bestellbeispiel:
Ordering example:
Exemple de commande:

K20 / 100 x 130 x 36 / 1.2767

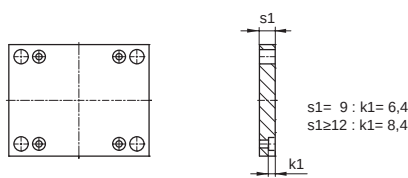
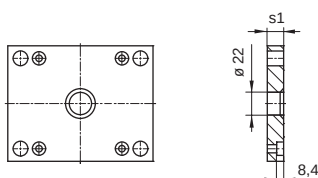
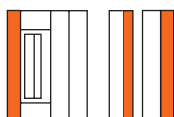
K10 K11



K10/100x130 x s1/	1.1730	1.2162	1.2085	1.2312
22	■		■	■

K11/100x130 x s1/	1.1730	1.2162	1.2085	1.2312
22	■		■	■

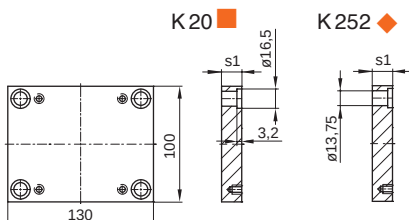
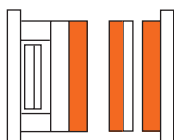
K15 K16



K15/100x130 x s1/	1.1730	1.2162	1.2085	1.2312
12	■		■	■
17	■		■	■

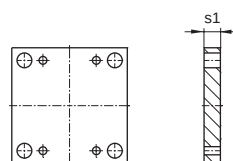
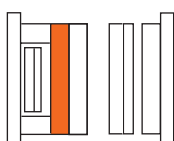
K16/100x130 x s1/	1.1730	1.2162	1.2085	1.2312
9	■	■	■	
12	■		■	■
17	■		■	■

K20 K252



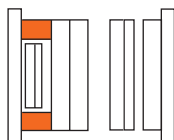
.../100x130 x s1/	1.1730	1.2162	1.2767	1.2083	1.2085	1.2311	1.2312	1.2343	1.2343 ESU/ESR	Toolox33
9	■	■			■	■				
12	■	■	■		■	■	■			■
17	■	■	■		■	■	■			■
22	■	■	■		■	■	■			■
27	■	■	■		■	■	■			■
36	■	■	■		■	■	■			■
46	■	■	■		■	■	■			■
56	■	■	■		■	■	■			■

K30

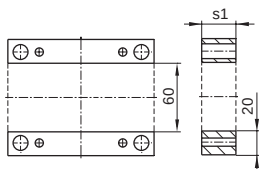


K30/100x130 x s1/	1.1730	1.2085	1.2312
6	■	■	■
12	■	■	■
17	■	■	■

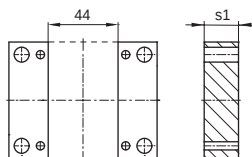
K40
K45



K40

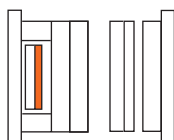


K45

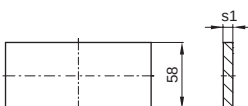


.../100x130 x s1/	1.1730	1.2085	1.2312	.../100x130 x s1/	1.1730	1.2085	1.2312
27	■	◆		56	■	■	
36	■	◆		66	■	■	
46	■	◆					

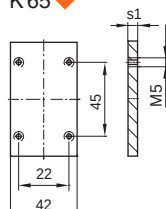
K60
K65



K60

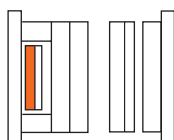


K65

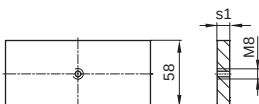


.../100x130 x s1/	1.1730	1.2085	1.2312
6	■	◆	

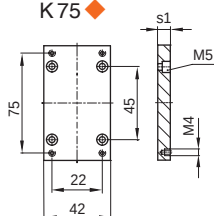
K70
K75



K70

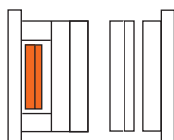


K75



.../100x130 x s1/	1.1730	1.2085	1.2312
9	■	◆	◆

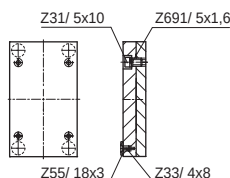
K60-70
K65-75



K60-70



K65-75

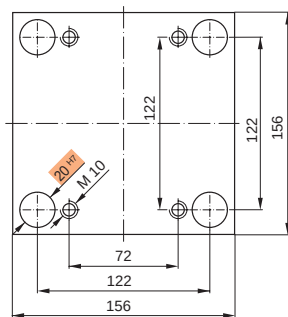


.../100x130 x	1.1730	1.2085
	■	◆

156 x 156

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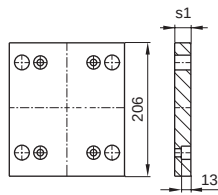
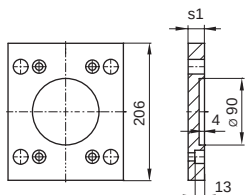


Bestellbeispiel:
Ordering example:
Exemple de commande:

K20 / 156 x 156 x 36 / 1.2767

Neu / New / Nouveau

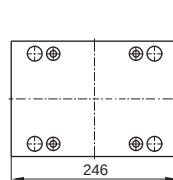
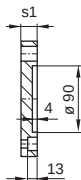
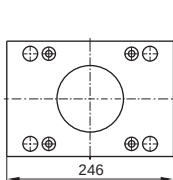
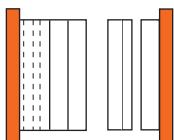
K10 K11



K10/156x156 x s1/	1.1730	1.2162	1.2085	1.2312
22	■		■	■
27	■		■	■

K11/156x156 x s1/	1.1730	1.2162	1.2085	1.2312
17	■			■
22	■		■	■
27	■		■	■

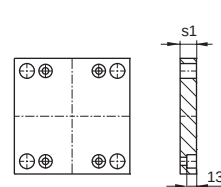
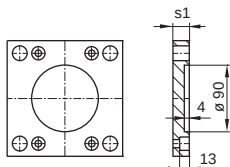
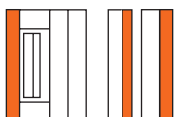
K12 K13



K12/156x156 x s1/	1.1730	1.2162	1.2085	1.2312
22	■		■	■
27	■		■	■

K13/156x156 x s1/	1.1730	1.2162	1.2085	1.2312
22	■		■	■
27	■		■	■

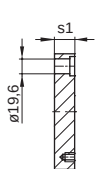
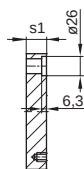
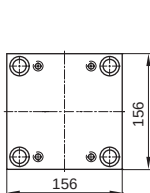
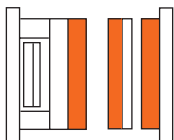
K15 K16



K15/156x156 x s1/	1.1730	1.2162	1.2085	1.2312
17	■		■	■
22	■		■	■

K16/156x156 x s1/	1.1730	1.2162	1.2085	1.2312
17	■	■	■	■
22	■		■	■

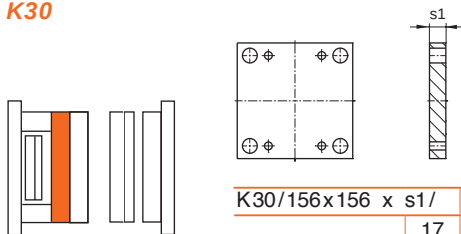
K20 K252



K20 ■ K252 ◆

.../156x156 x s1	1.1730	1.2162	1.2767	1.2083	1.2085	1.2311	1.2312	1.2343	1.2343 ESU/ESR	Toolox33
17	■	■	■◆		■◆	■◆	■◆	◆		■
22	■	■	■◆	■◆	■◆	■◆	■◆	◆		■
27	■	■	■◆	■◆	■◆	■◆	■◆	◆	◆	■
36	■	■	■◆	■◆	■◆	■◆	■◆	◆	◆	■
46	■	■	■◆	■◆	■◆	■◆	■◆	◆	◆	■
56	■	■	■◆	■◆	■◆	■◆	■◆	◆	◆	■
66	■	■	■◆	■◆	■◆	■◆	■◆	◆	◆	■
76	■	■	■◆	■◆	■◆	■◆	■◆	◆	◆	■
86	■	■	■◆	■◆	■◆	■◆	■◆	◆	◆	■
96	■					■	■			

K30

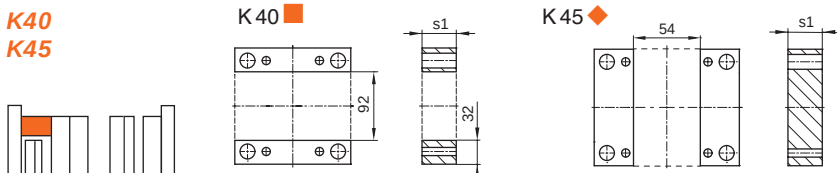


K30/156x156 x s1/	1.1730	1.2085	1.2312
17	■	■	■
22	■	■	■
27	■	■	■
36	■	■	■

K30/156x156 x s1/	1.1730	1.2085	1.2312
46	■	■	■
56	■		■
66	■		

K40

K45



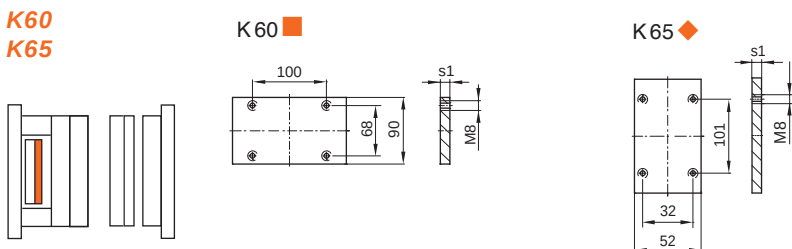
.../156x156 x s1/	1.1730	1.2085	1.2312
36	■	■	
46	■ ◆	■ ◆	
56	■ ◆	■ ◆	
66	■	■	

.../156x156 x s1/	1.1730	1.2085	1.2312
76	■ ◆	■ ◆	
86	■	■	
96	■	■	



K60

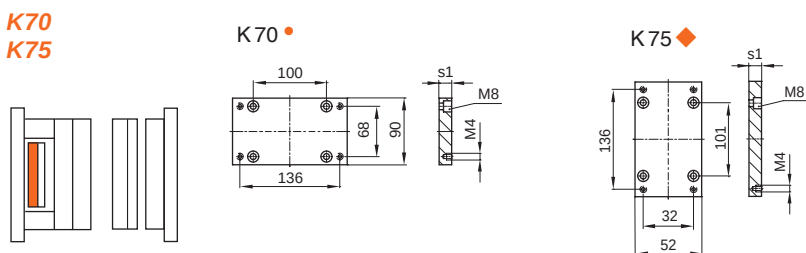
K65



.../156x156 x s1/	1.1730	1.2085	1.2312
9	■ ◆	■ ◆	

K70

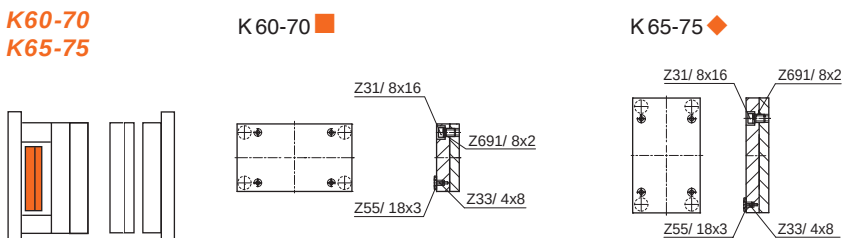
K75



.../156x156 x s1/	1.1730	1.2085	1.2312
17	■ ◆	■ ◆	■ ◆

K60-70

K65-75

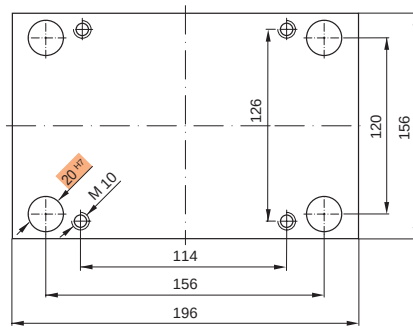


.../156x156 x	1.1730	1.2085
	■ ◆	■ ◆

156 x 196

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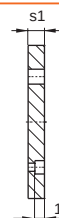
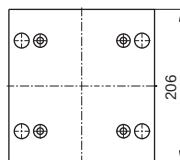
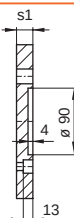
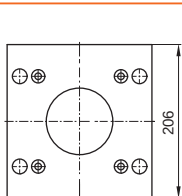


Bestellbeispiel:
Ordering example:
Exemple de commande:

K20 / 156 x 196 x 36 / 1.2767

Neu / New / Nouveau

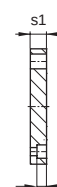
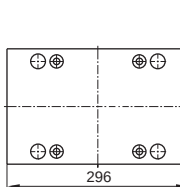
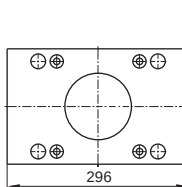
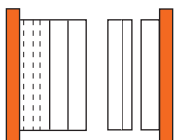
K10 K11



K10/156x196 x s1/	1.1730	1.2162	1.2085	1.2312
17	■			■
22	■		■	■
27	■		■	■

K11/156x196 x s1/	1.1730	1.2162	1.2085	1.2312
17	■			■
22	■		■	■
27	■		■	■

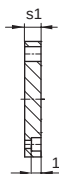
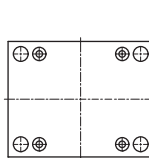
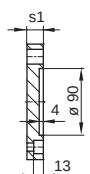
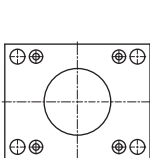
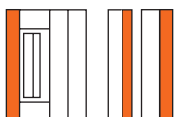
K12 K13



K12/156x196 x s1/	1.1730	1.2162	1.2085	1.2312
22	■		■	■
27	■		■	■

K13/156x196 x s1/	1.1730	1.2162	1.2085	1.2312
22	■		■	■
27	■		■	■

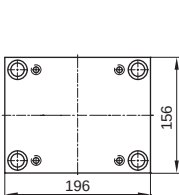
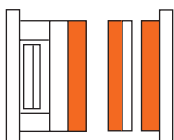
K15 K16



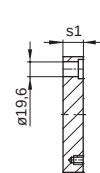
K15/156x196 x s1/	1.1730	1.2162	1.2085	1.2312
17	■		■	■
22	■		■	■

K16/156x196 x s1/	1.1730	1.2162	1.2085	1.2312
17	■	■	■	■
22	■		■	■

K20 K252

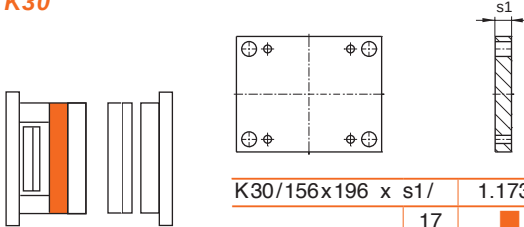


K20 ■ K252 ◆



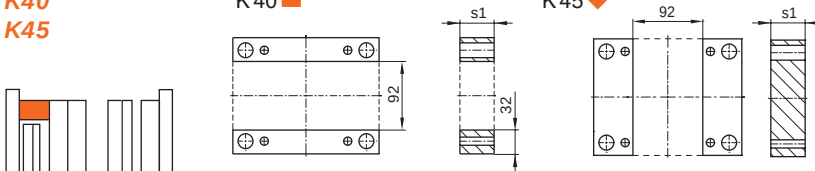
.../156x196 x s1	1.1730	1.2162	1.2767	1.2083	1.2085	1.2311	1.2312	1.2343	1.2343 ESU/ESR	Toolox33
17	■	■	■◆		■◆	■◆	■◆	◆		■
22	■	■	■◆	■	■◆	■◆	■◆	◆		■
27	■	■	■◆	■◆	■◆	■◆	■◆	◆	◆	■
36	■	■	■◆	■◆	■◆	■◆	■◆	◆	◆	■
46	■	■	■◆	■◆	■◆	■◆	■◆	◆	◆	■
56	■	■	■◆	■◆	■◆	■◆	■◆	◆	◆	■
66	■	■	■◆	■◆	■◆	■◆	■◆	◆	◆	■
76	■	■	■◆	■◆	■◆	■◆	■◆	◆	◆	■
86	■	■	■◆	■◆	■◆	■◆	■◆	◆	◆	■
96	■					■	■			

K30



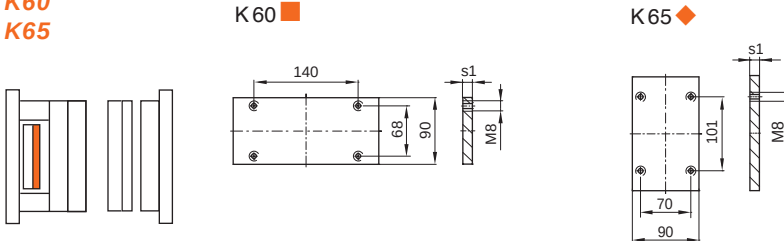
K30/156x196 x s1/	1.1730	1.2085	1.2312	K30/156x196 x s1/	1.1730	1.2085	1.2312
17	■	■	■	46	■	■	■
22	■	■	■	56	■		■
27	■	■	■	66	■		
36	■	■	■				

K40 K45



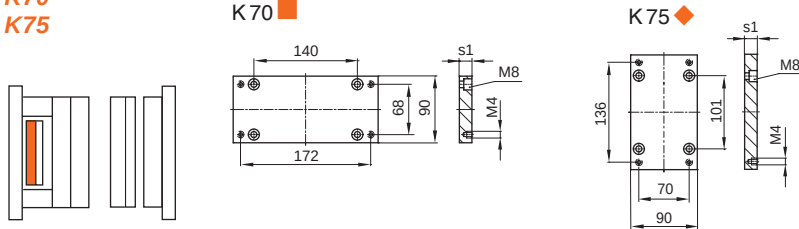
.../156x196 x s1/	1.1730	1.2085	1.2312	.../156x196 x s1/	1.1730	1.2085	1.2312
36	■	■		76	■	■	
46	■	■		86	■	■	
56	■	■		96	■	■	
66	■	■					

K60 K65



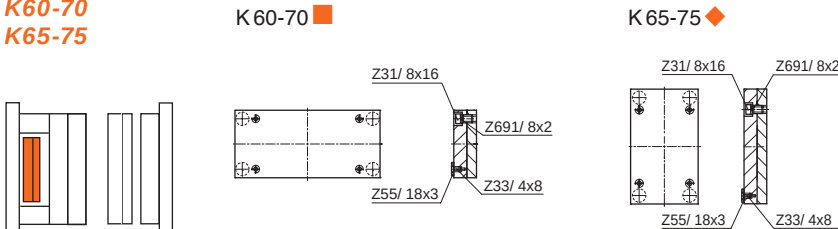
.../156x196 x s1/	1.1730	1.2085	1.2312
9	■	■	

K70 K75



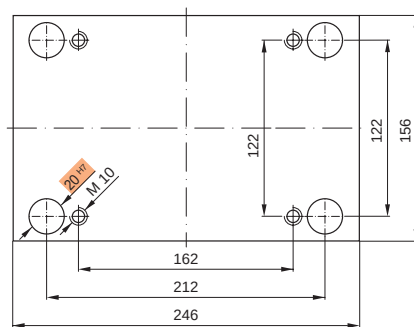
.../156x196 x s1/	1.1730	1.2085	1.2312
17	■	■	■

K60-70 K65-75



.../156x196 x	1.1730	1.2085
	■	■

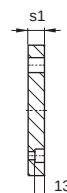
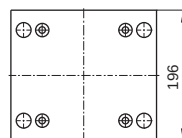
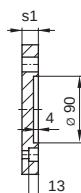
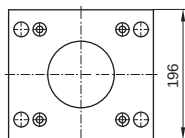
156 x 246



Bestellbeispiel:
Ordering example:
Exemple de commande:

K20 / 156 x 246 x 36 / 1.2767

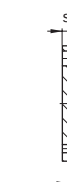
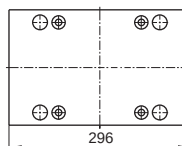
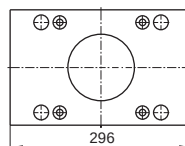
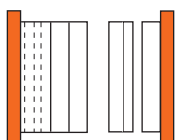
K10
K11



K10/156x246 x s1/	1.1730	1.2162	1.2085	1.2312
22	■		■	■
27	■		■	■

K11/156x246 x s1/	1.1730	1.2162	1.2085	1.2312
22	■		■	■
27	■		■	■

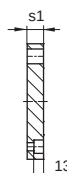
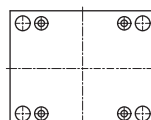
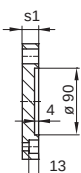
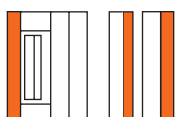
K12
K13



K12/156x246 x s1/	1.1730	1.2162	1.2085	1.2312
22	■		■	■
27	■		■	■

K13/156x246 x s1/	1.1730	1.2162	1.2085	1.2312
22	■		■	■
27	■		■	■

K15
K16

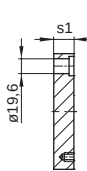
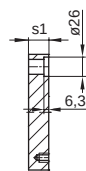
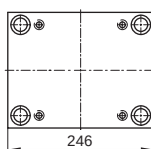
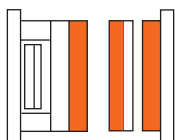


K15/156x246 x s1/	1.1730	1.2162	1.2085	1.2312
17	■		■	■
22	■		■	■

K16/156x246 x s1/	1.1730	1.2162	1.2085	1.2312
17	■	■	■	■
22	■		■	■

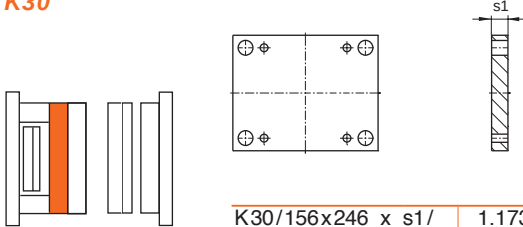
K20
K252

K20 ■ K252 ◆



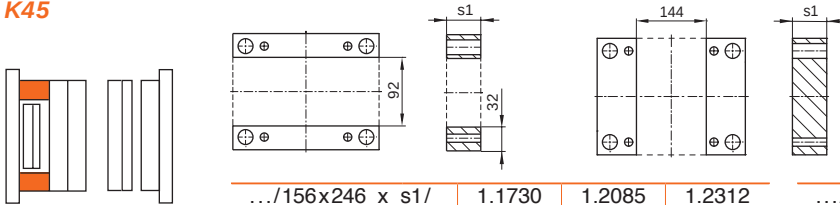
.../156x246 x s1	1.1730	1.2162	1.2767	1.2083	1.2085	1.2311	1.2312	1.2343	1.2343 ESU/ESR	Toolox33
17	■	■	■◆		■◆	■◆	■◆	◆		■
22	■	■	■◆	■◆	■◆	■◆	■◆	◆		■
27	■	■	■◆	■◆	■◆	■◆	■◆	◆	◆	■
36	■	■	■◆	■◆	■◆	■◆	■◆	◆	◆	■
46	■	■	■◆	■◆	■◆	■◆	■◆	◆	◆	■
56	■	■	■◆	■◆	■◆	■◆	■◆	◆	◆	■
66	■	■	■◆	■◆	■◆	■◆	■◆	◆	◆	■
76	■	■	■◆	■◆	■◆	■◆	■◆	◆	◆	■
86	■	■	■◆	■◆	■◆	■◆	■◆	◆	◆	■
96	■					■	■			

K30



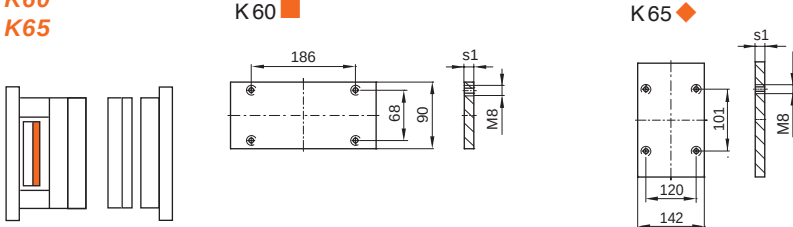
K30/156x246 x s1/	1.1730	1.2085	1.2312	K30/156x246 x s1/	1.1730	1.2085	1.2312
22	■	■	■	46	■	■	■
27	■	■	■	56	■		■
36	■	■	■				

K40 K45



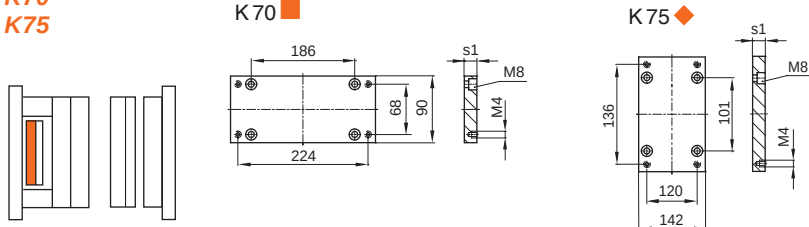
.../156x246 x s1/	1.1730	1.2085	1.2312	.../156x246 x s1/	1.1730	1.2085	1.2312
46	■ ◆	■ ◆		76	■ ◆	■ ◆	
56	■ ◆	■ ◆		86	■	■	
66	■	■		96	■	■	

K60 K65



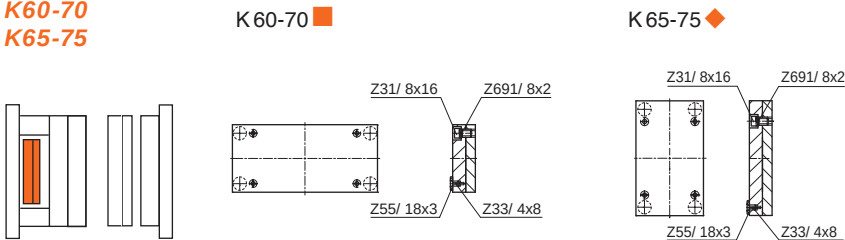
.../156x246 x s1/	1.1730	1.2085	1.2312
9	■ ◆	■ ◆	

K70 K75



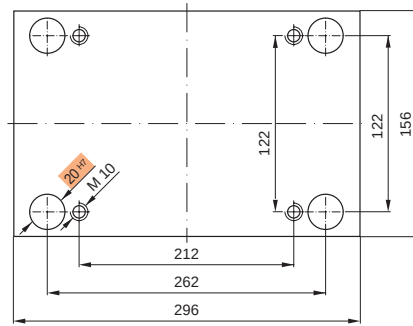
.../156x246 x s1/	1.1730	1.2085	1.2312
17	■ ◆	■ ◆	■ ◆

K60-70 K65-75



.../156x246 x	1.1730	1.2085
	■ ◆	■ ◆

156 x 296

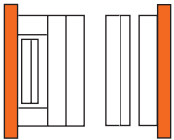


Bestellbeispiel:
Ordering example:
Exemple de commande:

K20 / 156 x 296 x 36 / 1.2162

Neu / New / Nouveau

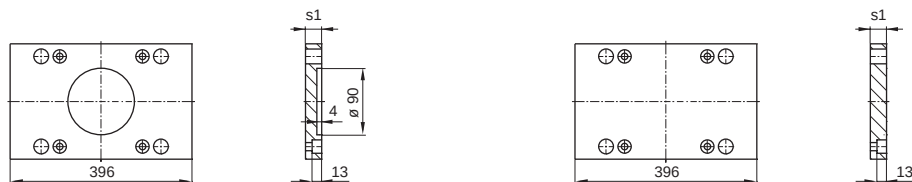
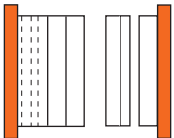
K10
K11



K10/156x296 x s1/	1.1730	1.2162	1.2085	1.2312
22	■			
27	■		■	■

K11/156x296 x s1/	1.1730	1.2162	1.2085	1.2312
22	■			
27	■		■	■

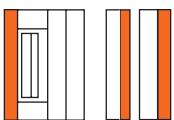
K12
K13



K12/156x296 x s1/	1.1730	1.2162	1.2085	1.2312
27	■		■	■

K13/156x296 x s1/	1.1730	1.2162	1.2085	1.2312
27	■		■	■

K15
K16

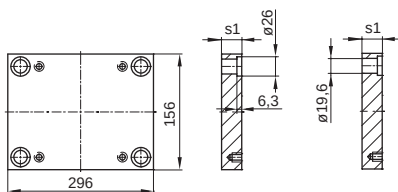
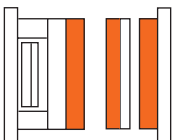


K15/156x296 x s1/	1.1730	1.2162	1.2085	1.2312
22	■		■	■

K16/156x296 x s1/	1.1730	1.2162	1.2085	1.2312
22	■		■	■

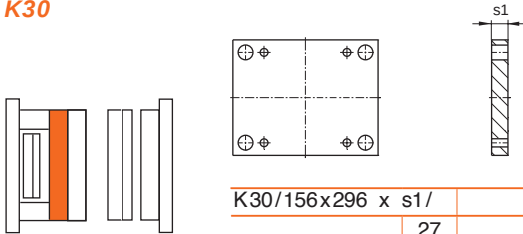
K20
K252

K20 ■ K252 ◆



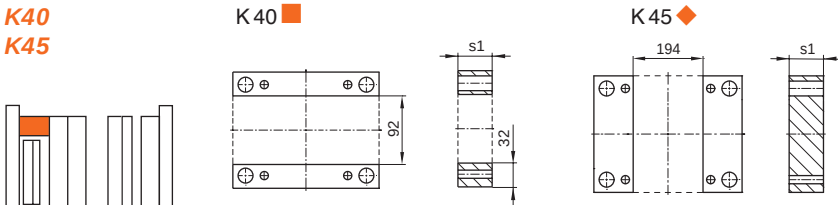
.../156x296 x s1	1.1730	1.2162	1.2767	1.2083	1.2085	1.2311	1.2312	1.2343	1.2343 ESU/ESR	Toolox33
17	■	■			◆	◆	◆	◆		■
22	■	■	◆		◆	◆	◆	◆		■
27	■	■	◆	◆	◆	◆	◆	◆		■
36	■	■	◆	◆	◆	◆	◆	◆		■
46	■	■	◆	◆	◆	◆	◆	◆		■
56	■	■	◆	◆	◆	◆	◆	◆		■
66	■	■	◆	◆	◆	◆	◆	◆		■
76	■	■		■	◆	◆	◆			■
86	■	■		■	◆	◆	◆			■

K30



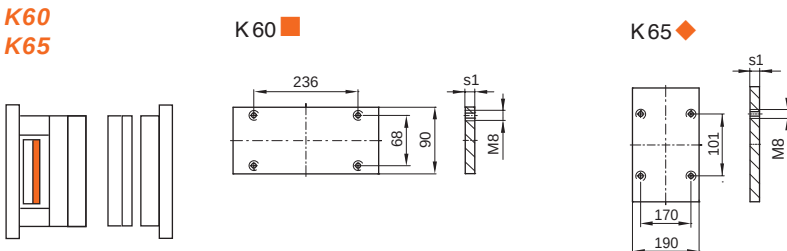
K30/156x296 x s1/	1.1730	1.2085	1.2312
27	■	■	■
36	■	■	■
46	■	■	■
56	■		■

K40 K45



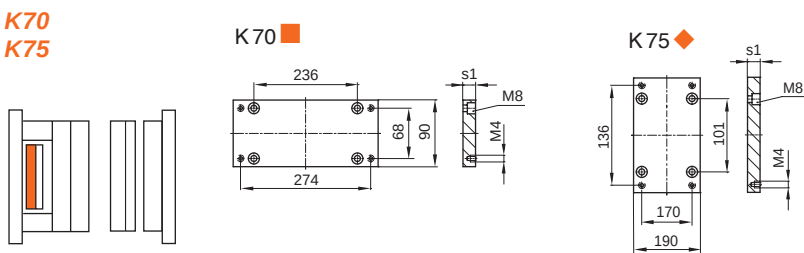
.../156x296 x s1/	1.1730	1.2085	1.2312	.../156x296 x s1/	1.1730	1.2085	1.2312
46	■ ◆	■ ◆		76	■ ◆	■ ◆	
56	■ ◆	■ ◆		86	■	■	
66	■	■		96	■	■	

K60 K65



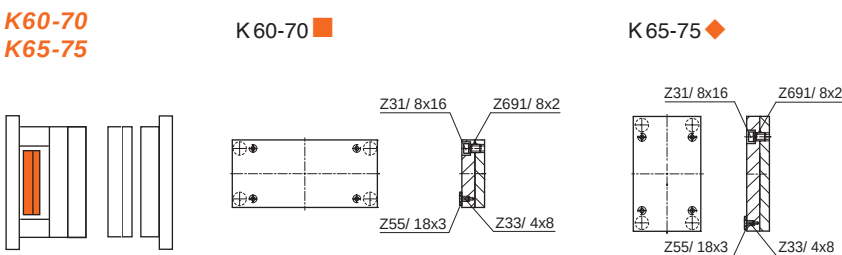
.../156x296 x s1/	1.1730	1.2085	1.2312
12	■ ◆	■ ◆	

K70 K75



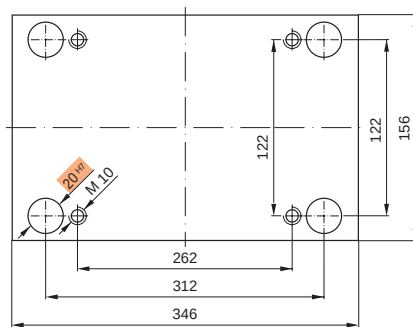
.../156x296 x s1/	1.1730	1.2085	1.2312
17	■ ◆	■ ◆	• ◆

K60-70 K65-75



.../156x296 x	1.1730	1.2085
	■ ◆	• ◆

156 x 346

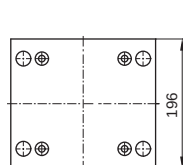
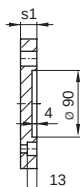
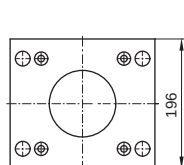


Bestellbeispiel:
Ordering example:
Exemple de commande:

K20 / 156 x 346 x 36 / 1.2162

Neu / New / Nouveau

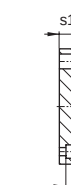
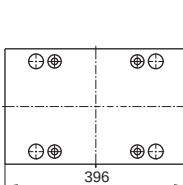
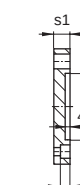
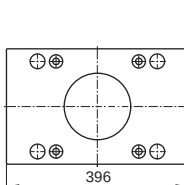
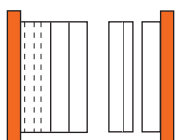
K10
K11



K10/156x346 x s1/	1.1730	1.2162	1.2085	1.2312
22	■			
27	■		■	■

K11/156x346 x s1/	1.1730	1.2162	1.2085	1.2312
22	■			
27	■		■	■

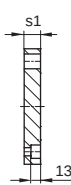
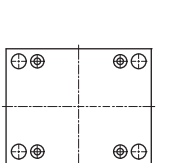
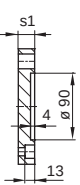
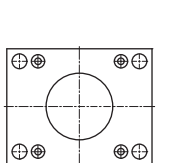
K12
K13



K12/156x346 x s1/	1.1730	1.2162	1.2085	1.2312
27	■		■	■

K13/156x346 x s1/	1.1730	1.2162	1.2085	1.2312
27	■		■	■

K15
K16

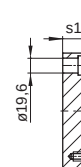
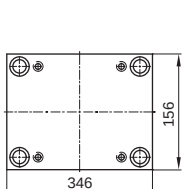
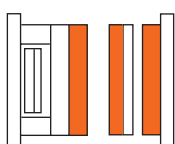


K15/156x346 x s1/	1.1730	1.2162	1.2085	1.2312
22	■		■	■

K16/156x346 x s1/	1.1730	1.2162	1.2085	1.2312
22	■		■	■
27	■		■	■

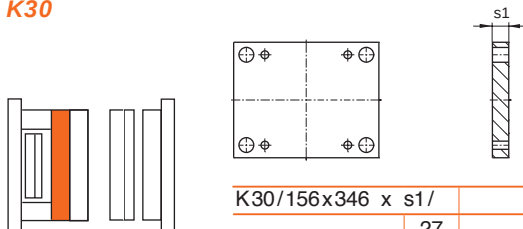
K20
K252

K20 ■ K252 ◆



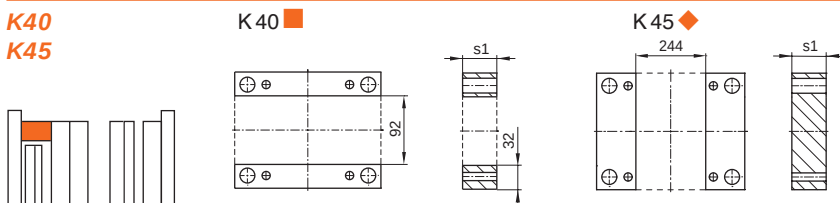
.../156x346 x s1	1.1730	1.2162	1.2767	1.2083	1.2085	1.2311	1.2312	1.2343	1.2343 ESU/ESR	Toolox33
17	■		◆		■◆	■◆	■◆			■
22	■		◆	◆	■◆	■◆	■◆	◆		■
27	■		◆	◆	■◆	■◆	■◆	◆		■
36	■		◆	◆	■◆	■◆	■◆	◆		■
46	■		◆	◆	■◆	■◆	■◆	◆		■
56	■		◆	◆	■◆	■◆	■◆	◆		■
66	■		◆	◆	■◆	■◆	■◆	◆		■
76	■		◆	◆	■◆	■◆	■◆	◆		■
86	■		◆	◆	■◆	■◆	■◆	◆		■

K30



K30/156x346 x s1/	1.1730	1.2085	1.2312
27	■	■	●
36	■	■	●
46	■		●
56	■		●

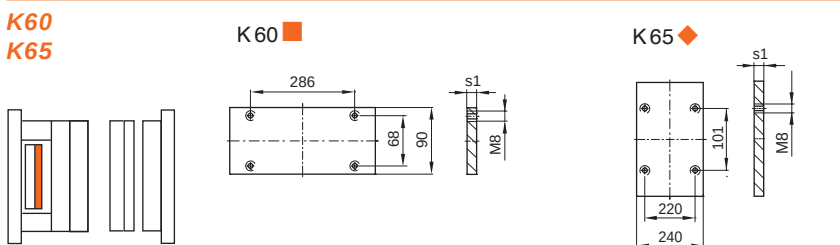
K40 K45



.../156x346 x s1/	1.1730	1.2085	1.2312
46	■ ◆	■ ◆	
56	■ ◆	■ ◆	
66	■		

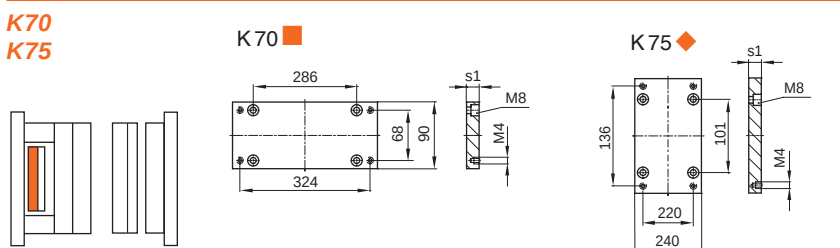


K60 K65



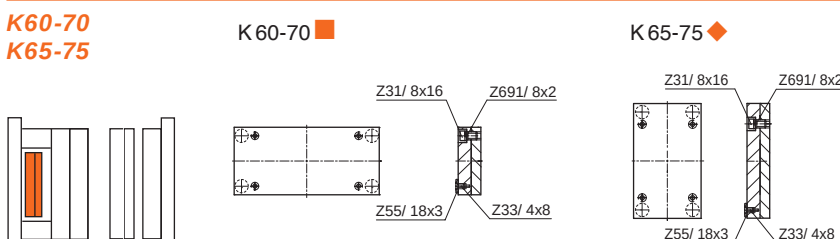
.../156x346 x s1/	1.1730	1.2085	1.2312
9	■ ◆	■ ◆	

K70 K75



.../156x346 x s1/	1.1730	1.2085	1.2312
17	■ ◆	■ ◆	■ ◆

K60-70 K65-75



.../156x346 x	1.1730	1.2085
	■ ◆	■ ◆

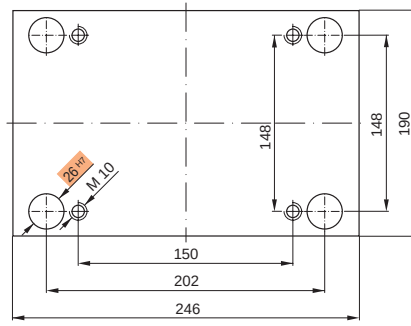
190 x 246



Register / Section
Répertoire K 2500 / ...
Seite / Page 242



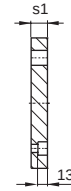
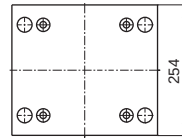
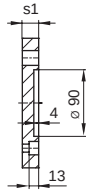
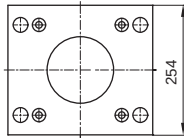
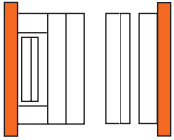
Register / Section
Répertoire KR
Seite / Page 288 (KR 20 / ...)



Bestellbeispiel:
Ordering example:
Exemple de commande:

K20 / 190 x 246 x 36 / 1.2767

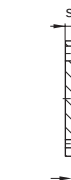
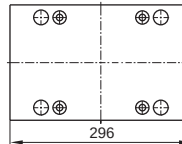
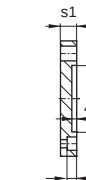
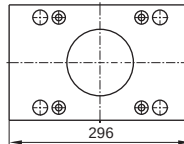
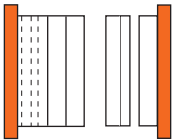
K10 K11



K10/190x246 x s1/	1.1730	1.2162	1.2085	1.2312
22	■		■	■
27	■		■	■

K11/190x246 x s1/	1.1730	1.2162	1.2085	1.2312
22	■		■	■
27	■		■	■

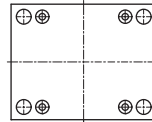
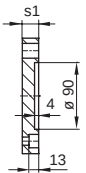
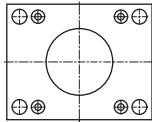
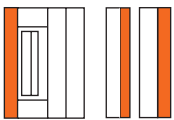
K12 K13



K12/190x246 x s1/	1.1730	1.2162	1.2085	1.2312
22	■		■	■
27	■		■	■

K13/190x246 x s1/	1.1730	1.2162	1.2085	1.2312
22	■		■	■
27	■		■	■

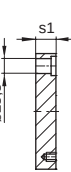
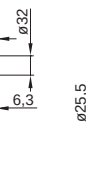
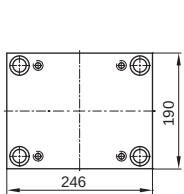
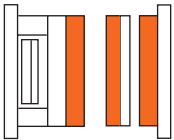
K15 K16



K15/190x246 x s1/	1.1730	1.2162	1.2085	1.2312
17	■		■	■
22	■		■	■

K16/190x246 x s1/	1.1730	1.2162	1.2085	1.2312
17	■	■	■	■
22	■		■	■

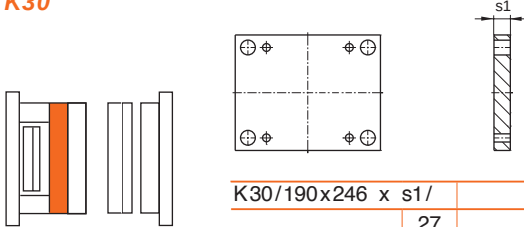
K20 K252



K20 ■ K252 ◆

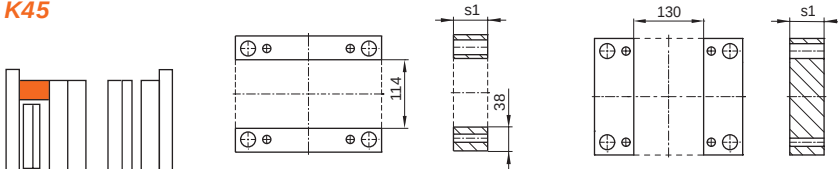
.../190x246 x s1/	1.1730	1.2162	1.2767	1.2083	1.2085	1.2311	1.2312	1.2343	1.2343 ESU/ESR	Toolox33
17	■	■	■◆		■◆	■◆	■◆			■
22	■	■	■◆		■◆	■◆	■◆			■
27	■	■	■◆	■◆	■◆	■◆	■◆	◆	◆	■
36	■	■	■◆	■◆	■◆	■◆	■◆	◆	◆	■
46	■	■	■◆	■◆	■◆	■◆	■◆	◆	◆	■
56	■	■	■◆	■◆	■◆	■◆	■◆	◆	◆	■
66	■	■	■◆	■◆	■◆	■◆	■◆	◆	◆	■
76	■	■	■◆	■◆	■◆	■◆	■◆	◆	◆	■
86	■	■	■◆	■◆	■◆	■◆	■◆	◆	◆	■
96	■	■	■◆	■◆	■◆	■◆	■◆	◆	◆	■

K30



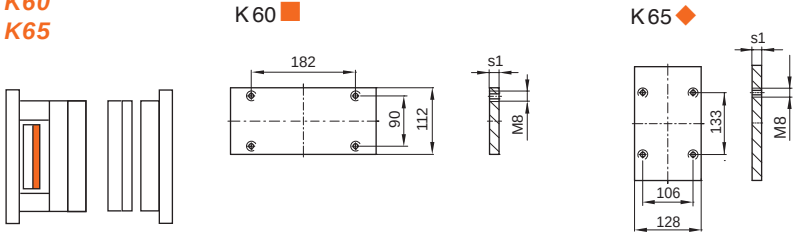
K30/190x246 x s1/	1.1730	1.2085	1.2312
27	■	■	■
36	■	■	■
46	■		■
56	■		■

K40 K45



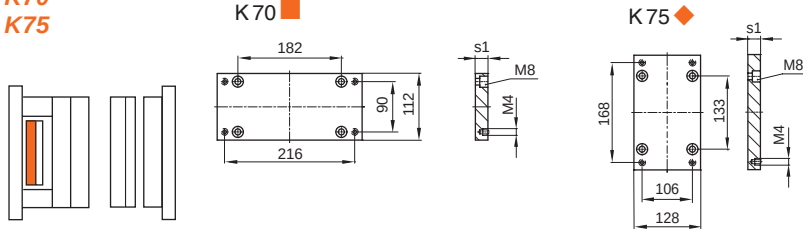
.../190x246 x s1/	1.1730	1.2085	1.2312
46	■ ◆	■ ◆	
56	■ ◆	■ ◆	
76	■ ◆	■ ◆	

K60 K65



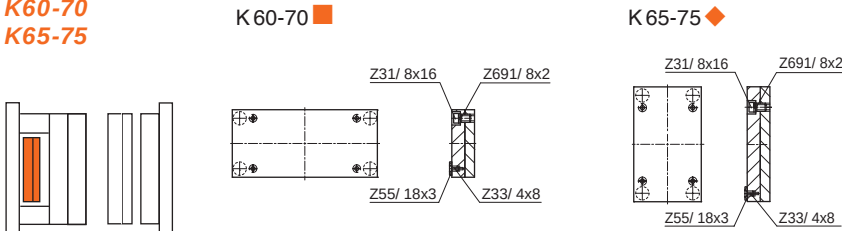
.../190x246 x s1/	1.1730	1.2085	1.2312
12	■ ◆	■ ◆	

K70 K75



.../190x246 x s1/	1.1730	1.2085	1.2312
17	■ ◆	■ ◆	■ ◆

K60-70 K65-75

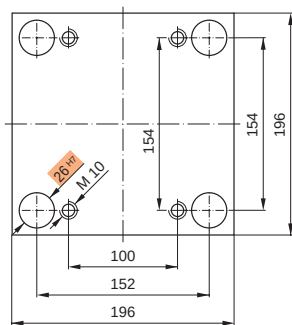


.../190x246 x	1.1730	1.2085
	■ ◆	■ ◆

196 x 196

Register / Section
Répertoire K 2500 / ...
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Register / Section
Répertoire KR
Seite / Page 287 (KR 20 / ...)

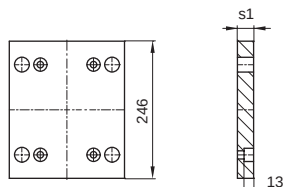
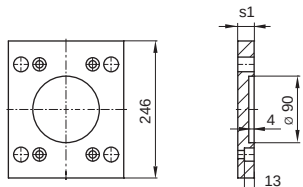


Bestellbeispiel:
Ordering example:
Exemple de commande:

K20 / 196 x 196 x 36 / 1.2767

Neu / New / Nouveau

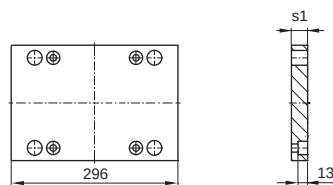
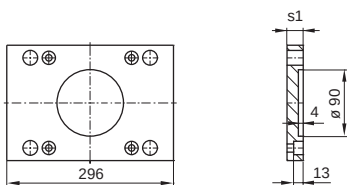
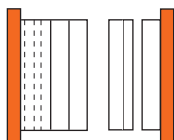
K10 K11



K10/196x196 x s1/	1.1730	1.2162	1.2085	1.2312
22	■		■	■
27	■		■	■
36	■		■	■
46	■		■	■

K11/196x196 x s1/	1.1730	1.2162	1.2085	1.2312
22	■		■	■
27	■		■	■
36	■		■	■
46	■		■	■

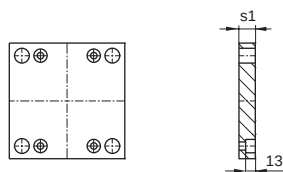
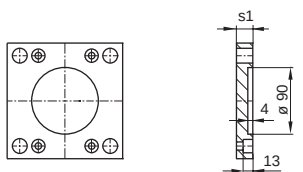
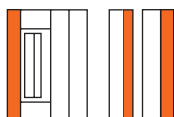
K12 K13



K12/196x196 x s1/	1.1730	1.2162	1.2085	1.2312
22	■		■	■
27	■		■	■

K13/196x196 x s1/	1.1730	1.2162	1.2085	1.2312
22	■		■	■
27	■		■	■

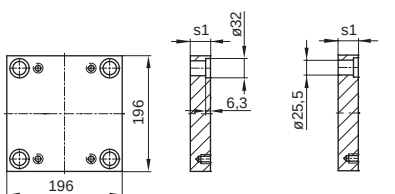
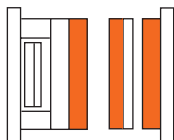
K15 K16



K15/196x196 x s1/	1.1730	1.2162	1.2085	1.2312
17	■		■	■
22	■		■	■

K16/196x196 x s1/	1.1730	1.2162	1.2085	1.2312
17	■	■	■	■
22	■		■	■

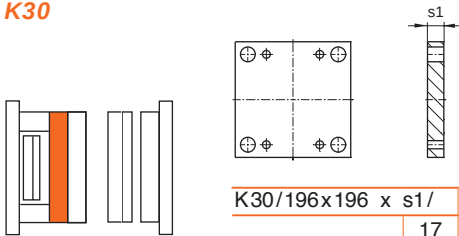
K20 K252



K20 ■ K252 ◆

.../196x196 x s1/	1.1730	1.2162	1.2767	1.2083	1.2085	1.2311	1.2312	1.2343	1.2343 ESU/ESR	Toolox33
17	■	■	■◆	◆	■◆	■◆	■◆	◆		■
22	■	■	■◆	◆	■◆	■◆	■◆	◆		■
27	■	■	■◆	■◆	■◆	■◆	■◆	◆	◆	■
36	■	■	■◆	■◆	■◆	■◆	■◆	◆	◆	■
46	■	■	■◆	■◆	■◆	■◆	■◆	◆	◆	■
56	■	■	■◆	■◆	■◆	■◆	■◆	◆	◆	■
66	■	■	■◆	■◆	■◆	■◆	■◆	◆	◆	■
76	■	■	■◆	■◆	■◆	■◆	■◆	◆	◆	■
86	■	■	■◆	■◆	■◆	■◆	■◆	◆	◆	■
96	■	■	■◆	■◆	■◆	■◆	■◆	◆	◆	■
116	■					■	■			

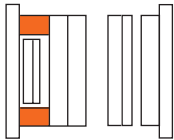
K30



K30/196x196 x s1/	1.1730	1.2085	1.2312
17	■	■	■
22	■	■	■
27	■	■	■
36	■	■	■

K30/196x196 x s1/	1.1730	1.2085	1.2312
46	■	■	■
56	■	■	■
66	■	■	■

K40 K45 K42

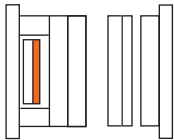


...	196x196 x s1/	1.1730	1.2085	1.2312
	46	■ ◆ ◆	■ ◆	
	56	■ ◆ ◆	■ ◆	
	66	■	■	
	76	■ ◆ ◆	■ ◆	

...	196x196 x s1/	1.1730	1.2085	1.2312
	86	■ ◆	■	
	96	■ ◆	■	
	116	■ ◆	■	

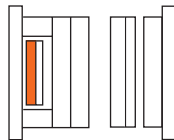


K60 K65 K62



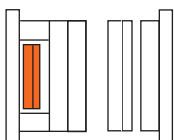
...	196x196 x s1/	1.1730	1.2085	1.2312
	12	■ ◆ ◆	■ ◆	

K70 K75 K72



...	196x196 x s1/	1.1730	1.2085	1.2312
	17	■ ◆ ◆	■ ◆	■ ◆ ◆

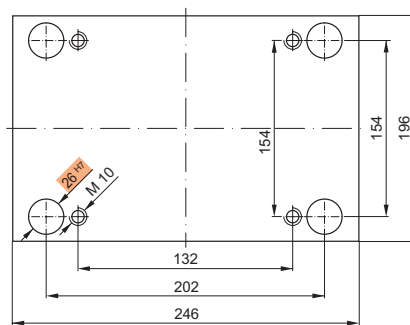
K60-70 K65-75 K62-72



...	196x196 /	1.1730	1.2085
		■ ◆	■ ◆

K62-72/196x196/Typ	1.1730	1.2312
1	K62	K72
3	K62 K72	

196 x 246



Bestellbeispiel:
Ordering example:
Exemple de commande:

K20 / 196 x 246 x 36 / 1.2767

Neu / New / Nouveau

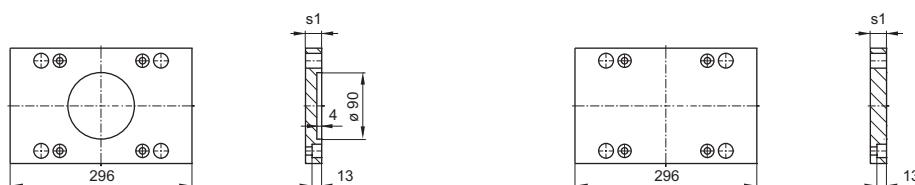
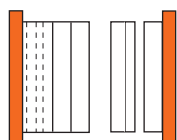
K10
K11



K10/196x246 / s1	1.1730	1.2162	1.2085	1.2312
22	■		■	■
27	■		■	■

K11/196x246 / s1	1.1730	1.2162	1.2085	1.2312
22	■		■	■
27	■		■	■

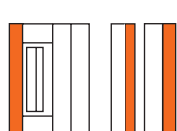
K12
K13



K12/196x246 / s1	1.1730	1.2162	1.2085	1.2312
22	■		■	■
27	■		■	■

K13/196x246 / s1	1.1730	1.2162	1.2085	1.2312
22	■		■	■
27	■		■	■

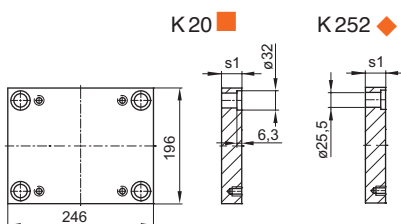
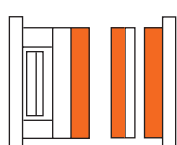
K15
K16



K15/196x246 / s1	1.1730	1.2162	1.2085	1.2312
22	■		■	■
27	■		■	■

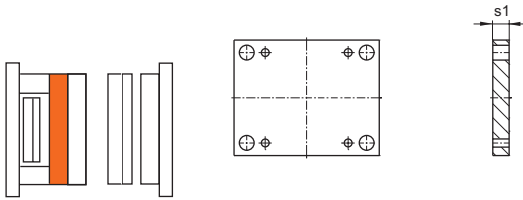
K16/196x246 / s1	1.1730	1.2162	1.2085	1.2312
22	■		■	■
27	■		■	■

K20
K252



.../196x246 x s1/	1.1730	1.2162	1.2767	1.2083	1.2085	1.2311	1.2312	1.2343	1.2343 ESU/ESR	Toolox33
17	■		◆		■	■	■	◆		
22	■		◆	◆	■	■	■	◆		
27	■		◆	◆	■	■	■	◆	◆	
36	■		◆	◆	■	■	■	◆	◆	
46	■		◆	◆	■	■	■	◆	◆	
56	■		◆	◆	■	■	■	◆	◆	
66	■		◆	◆	■	■	■	◆	◆	
76	■		◆	◆	■	■	■	◆	◆	
86	■		◆	◆	■	■	■	◆	◆	
96	■		◆		■	■	■	◆		
106	■					■	■			
116	■					■	■			

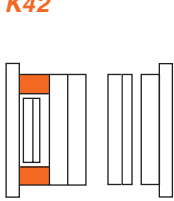
K30



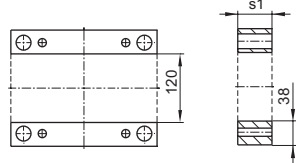
K30/196x246 x s1/	1.1730	1.2085	1.2312
27	■	■	■
36	■	■	■

K30/196x246 x s1/	1.1730	1.2085	1.2312
46	■		■
56	■		■

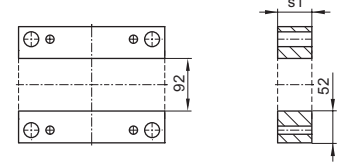
K40 K42



K40 ■

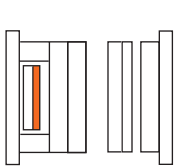


K42 ◇

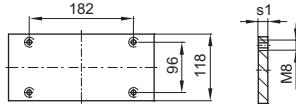


.../196x246 x s1/	1.1730	1.2085	1.2312
46	■ ◇	■	
56	■ ◇	■	
76	■ ◇	■	

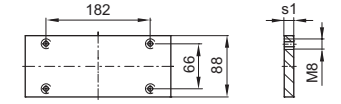
K60 K62



K60 ■

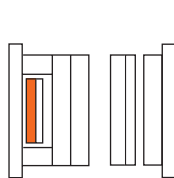


K62 ◇

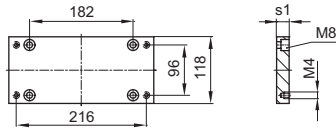


.../196x246 x s1/	1.1730	1.2085	1.2312
12	■ ◇	■ ◇	

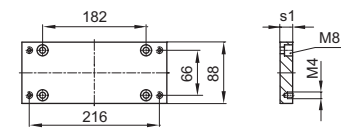
K70 K72



K70 ■



K72 ◇

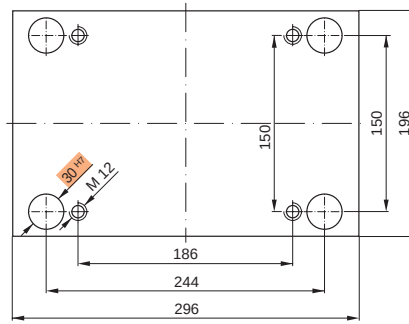


.../196x246 x s1/	1.1730	1.2085	1.2312
17	■ ◇	■ ◇	■ ◇

196 x 296



Register/ Section
Répertoire KR
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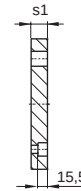
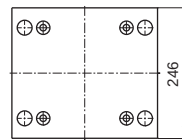
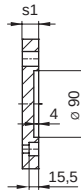
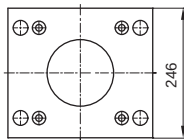
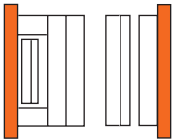


Bestellbeispiel:
Ordering example:
Exemple de commande:

K20 / 196 x 296 x 36 / 1.2767

Neu / New / Nouveau

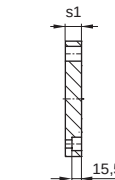
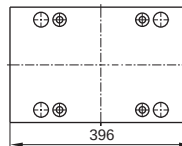
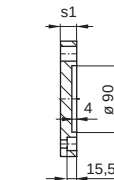
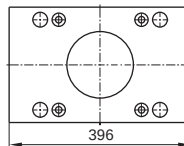
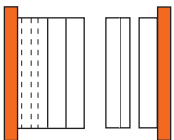
K10
K11



K10/196x296 / s1	1.1730	1.2162	1.2085	1.2312
27	■		■	■
36	■		■	■

K11/196x296 / s1	1.1730	1.2162	1.2085	1.2312
27	■		■	■
36	■		■	■
46	■			■

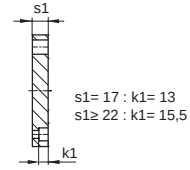
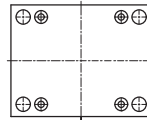
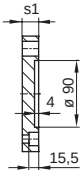
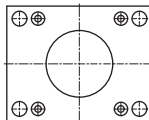
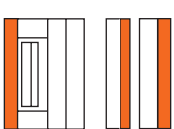
K12
K13



K12/196x296 / s1	1.1730	1.2162	1.2085	1.2312
27	■		■	■
36	■		■	■

K13/196x296 / s1	1.1730	1.2162	1.2085	1.2312
27	■		■	■
36	■		■	■

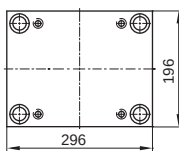
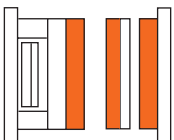
K15
K16



K15/196x296 / s1	1.1730	1.2162	1.2085	1.2312
22	■		■	■
27	■		■	■

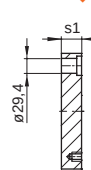
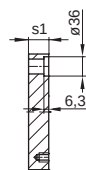
K16/196x296 / s1	1.1730	1.2162	1.2085	1.2312
17	■	■	■	
22	■		■	■
27	■		■	■

K20
K252



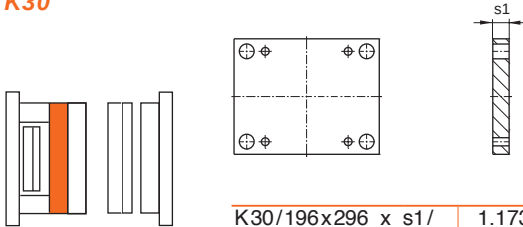
K20 ■

K252 ◆



.../196x296 x s1/	1.1730	1.2162	1.2767	1.2083	1.2085	1.2311	1.2312	1.2343	1.2343 ESU/ESR	Toolox33
17	■	■	■◆		■◆	■◆	■◆	◆		■
22	■	■	■◆	◆	■◆	■◆	■◆	◆		■
27	■	■	■◆	■◆	■◆	■◆	■◆	◆	◆	■
36	■	■	■◆	■◆	■◆	■◆	■◆	◆	◆	■
46	■	■	■◆	■◆	■◆	■◆	■◆	◆	◆	■
56	■	■	■◆	■◆	■◆	■◆	■◆	◆	◆	■
66	■	■	■◆	■◆	■◆	■◆	■◆	◆	◆	■
76	■	■	■◆	■◆	■◆	■◆	■◆	◆	◆	■
86	■	■	■◆	■◆	■◆	■◆	■◆	◆	◆	■
96	■	■	■◆	■◆	■◆	■◆	■◆	◆	◆	■
106	■					■	■			
116	■					■	■			

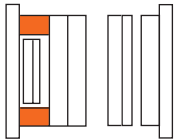
K30



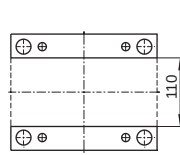
K30/196x296 x s1/	1.1730	1.2085	1.2312
22	■		■
27	■	■	■
36	■	■	■

K30/196x296 x s1/	1.1730	1.2085	1.2312
46	■	■	■
56	■		■
66	■		■

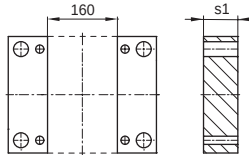
K40 K45 K42



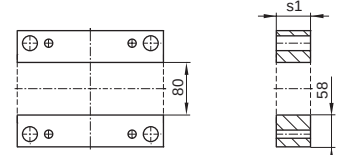
K40 ■



K45 ◆



K42 ◇

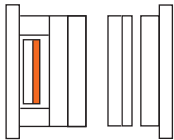


.../196x296 x s1/	1.1730	1.2085	1.2312
56	■ ◆ ◇	■ ◆	
66	■ ◆	■	
76	■ ◆ ◇	■ ◆	

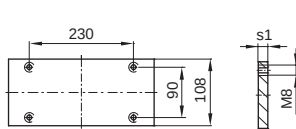
.../196x296 x s1/	1.1730	1.2085	1.2312
86	■ ◆ ◇	■	
96	■ ◆ ◇	■ ◆	
116	■ ◆ ◇	■	



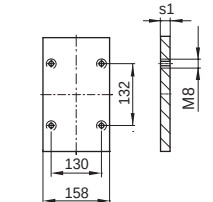
K60 K65 K62



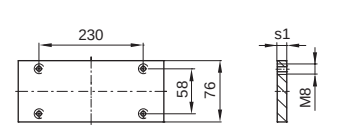
K60 ■



K65 ◆

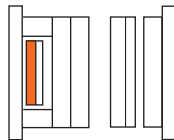


K62 ◇

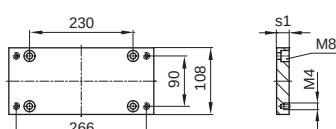


.../196x296 x s1/	1.1730	1.2085	1.2312
12	■ ◆ ◇	■ ◆	

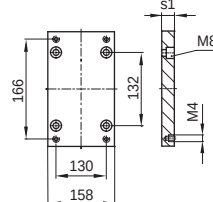
K70 K75 K72



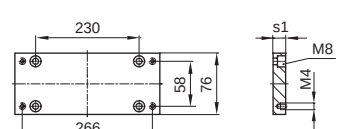
K70 ■



K75 ◆

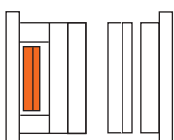


K72 ◇

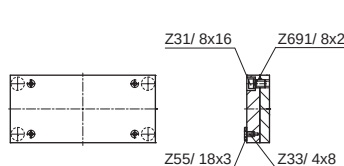


.../196x296 x s1/	1.1730	1.2085	1.2312
17	■ ◆ ◇	■ ◆	■ ◆ ◇

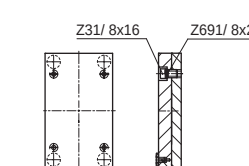
K60-70 K65-75 K62-72



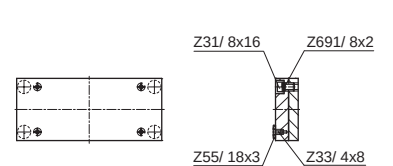
K60-70 ■



K65-75 ◆



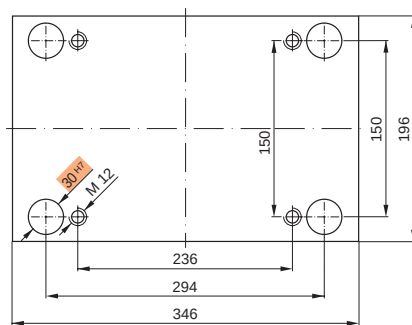
K62-72



.../196x296 /	1.1730	1.2085
	■ ◆	■ ◆

K62-72/196x296/Typ	1.1730	1.2312
1	K62	K72
3	K62 K72	

196 x 346

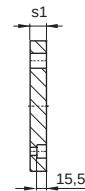
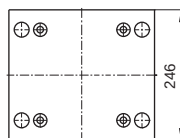
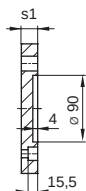
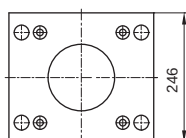


Bestellbeispiel:
Ordering example:
Exemple de commande:

K20 / 196 x 346 x 36 / 1.2767

Neu / New / Nouveau

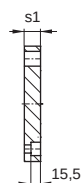
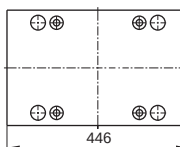
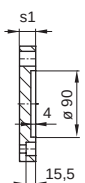
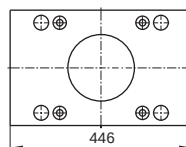
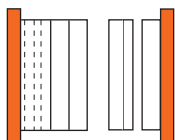
K10
K11



K10/196x346 / s1	1.1730	1.2162	1.2085	1.2312
27	■		■	■
36	■		■	■

K11/196x346 / s1	1.1730	1.2162	1.2085	1.2312
22	■			■
27	■		■	■
36	■		■	■

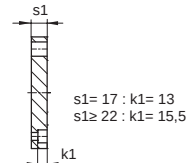
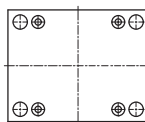
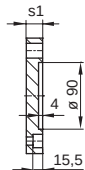
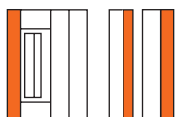
K12
K13



K12/196x346 / s1	1.1730	1.2162	1.2085	1.2312
27	■		■	■
36	■		■	■

K13/196x346 / s1	1.1730	1.2162	1.2085	1.2312
27	■		■	■
36	■		■	■

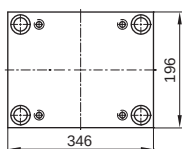
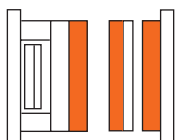
K15
K16



K15/196x346 / s1	1.1730	1.2162	1.2085	1.2312
22	■		■	■
27	■		■	■

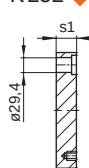
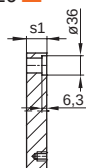
K16/196x346 / s1	1.1730	1.2162	1.2085	1.2312
17	■	■	■	
22	■		■	■
27	■		■	■

K20
K252



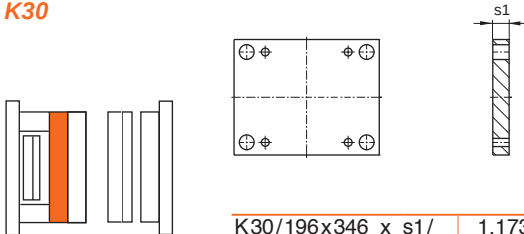
K20 ■

K252 ◆



.../196x346 x s1/	1.1730	1.2162	1.2767	1.2083	1.2085	1.2311	1.2312	1.2343	1.2343 ESU/ESR	Toolox33
17	■		◆		■◆	■◆	■◆			■
22	■		◆		■◆	■◆	■◆	◆		■
27	■		◆	◆	■◆	■◆	■◆	◆	◆	■
36	■		◆	◆	■◆	■◆	■◆	◆	◆	■
46	■		◆	◆	■◆	■◆	■◆	◆	◆	■
56	■		◆	◆	■◆	■◆	■◆	◆	◆	■
66	■		◆	◆	■◆	■◆	■◆	◆	◆	■
76	■		◆	◆	■◆	■◆	■◆	◆	◆	■
86	■		◆	◆	■◆	■◆	■◆	◆	◆	■
96	■		◆	◆	■◆	■◆	■◆	◆	◆	■
106	■					■	■			
116	■					■	■			

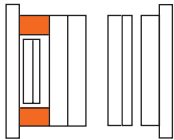
K30



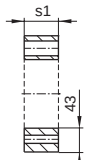
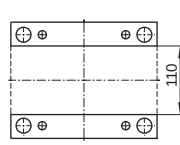
K30/196x346 x s1/	1.1730	1.2085	1.2312
22	■		■
27	■	■	■
36	■	■	■

K30/196x346 x s1/	1.1730	1.2085	1.2312
46	■	■	■
56	■	■	■

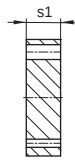
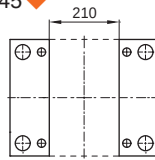
K40 K45 K42



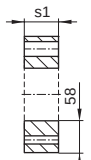
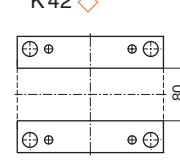
K40 ■



K45 ◆



K42 ◇

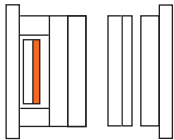


.../196x346 x s1/	1.1730	1.2085	1.2312
46	■ ◇		
56	■ ◇ ◇	■ ◇	
66	■ ◇	■	
76	■ ◇ ◇	■ ◇	

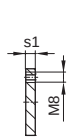
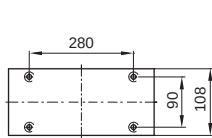
.../196x346 x s1/	1.1730	1.2085	1.2312
86	■ ◇ ◇	■	
96	■ ◇ ◇	■ ◇	
116	■ ◇	■	



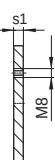
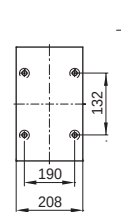
K60 K65 K62



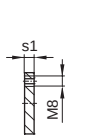
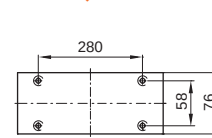
K60 ■



K65 ◆

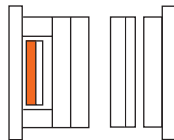


K62 ◇

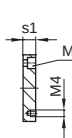
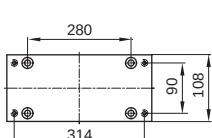


.../196x346 x s1/	1.1730	1.2085	1.2312
12	■ ◇ ◇	■ ◇	

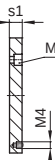
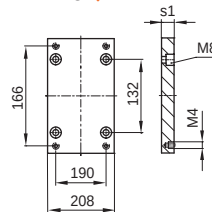
K70 K75 K72



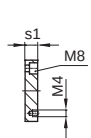
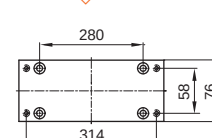
K70 ■



K75 ◆

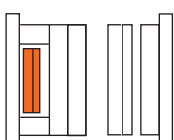


K72 ◇

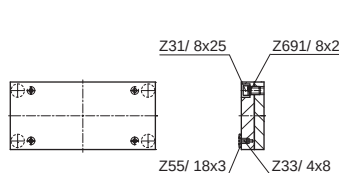


.../196x346 x s1/	1.1730	1.2085	1.2312
17	■ ◇ ◇	■ ◇	■ ◇ ◇

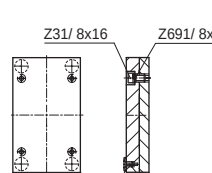
K60-70 K65-75 K62-72



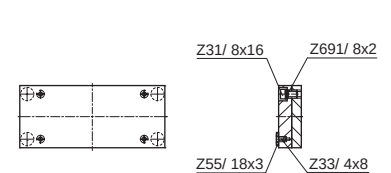
K60-70 ■



K65-75 ◆



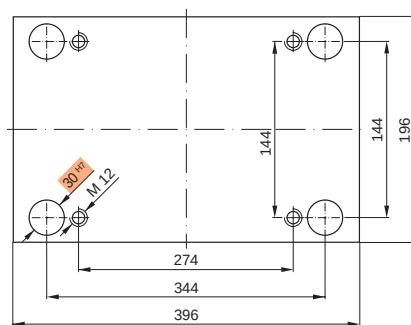
K62-72 ◇



.../196x346 /	1.1730	1.2085
	■ ◇	■ ◇

K62-72/196x346/Typ	1.1730	1.2312
1	K62	K72
3	K62 K72	

196 x 396



Bestellbeispiel:
Ordering example:
Exemple de commande:

K20 / 196 x 396 x 36 / 1.2162

Neu / New / Nouveau

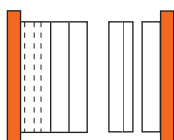
K10
K11



K10/196x396 / s1	1.1730	1.2162	1.2085	1.2312
27	■			■
36	■		■	■

K11/196x396 / s1	1.1730	1.2162	1.2085	1.2312
27	■			■
36	■		■	■

K12
K13



K12/196x396 / s1	1.1730	1.2162	1.2085	1.2312
36	■		■	■

K13/196x396 / s1	1.1730	1.2162	1.2085	1.2312
36	■		■	■

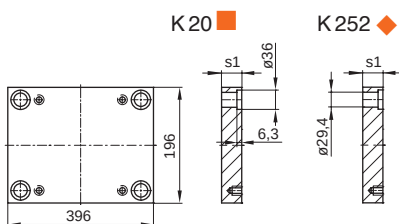
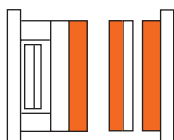
K15
K16



K15/196x396 / s1	1.1730	1.2162	1.2085	1.2312
27	■		■	■

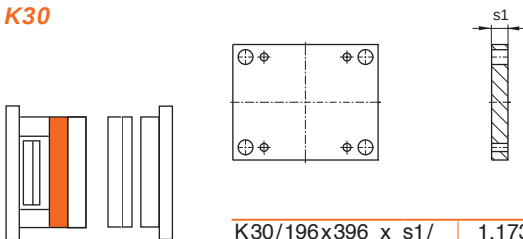
K16/196x396 / s1	1.1730	1.2162	1.2085	1.2312
27	■		■	■

K20
K252



.../196x396 x s1/	1.1730	1.2162	1.2767	1.2083	1.2085	1.2311	1.2312	1.2343	1.2343 ESU/ESR	Toolox33
22	■				■	■	■			■
27	■		◆		■	■	■	◆		■
36	■		◆		■	■	■	◆		■
46	■		◆		■	■	■	◆		■
56	■		◆		■	■	■	◆		■
66	■		◆		■	■	■	◆		■
76	■		◆		■	■	■	◆		■
86	■				■	■	■			■
96	■				■	■	■			■
116	■					■	■			

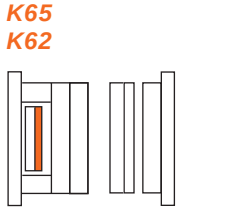
K30



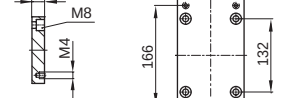
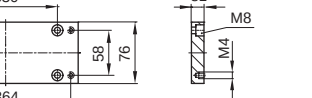
K30/196x396 x s1/	1.1730	1.2085	1.2312	K30/196x396 x s1/	1.1730	1.2085	1.2312
22	■		■	46	■	■	■
27	■	■	■	56	■		■
36	■	■	■				

K40 K45 K42

K60 K65 K62

K60 K65 K62 	K60 ... 17	K65 ... 1.1730 ◆ ◆ ◇	K62 ... 1.2085 ◆ ◆	1.2312
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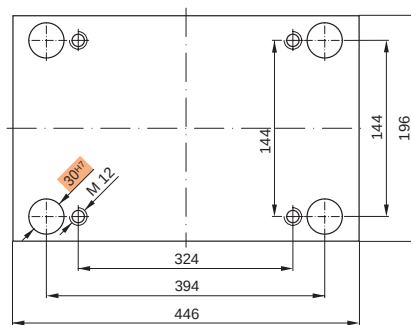
K70 K75 K72

K70 K75 K72 	K70 	K75 	K72 	K75 
.../196x396 x s1/	1.1730	1.2085	1.2312	
22				

K60-70 K65-75 K62-72

K60-70 K65-75 K62-72	K60-70	K65-75	K62-72
...	...	...	...
.../196x396 /	1.1730	1.2085	K62-72/196x396/Typ
	■ ◆	■ ◆	1 3 K62 K62 K72 K72

196 x 446

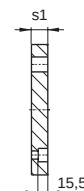
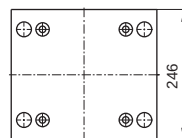
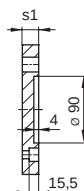
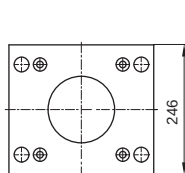


Bestellbeispiel:
Ordering example:
Exemple de commande:

K20 / 196 x 446 x 36 / 1.2162

Neu / New / Nouveau

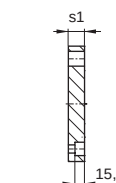
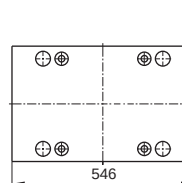
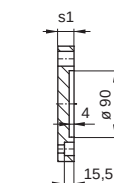
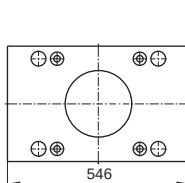
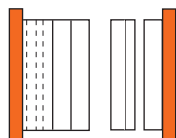
K10 K11



K10/196x446 / s1	1.1730	1.2162	1.2085	1.2312
27	■			■
36	■		■	■

K11/196x446 / s1	1.1730	1.2162	1.2085	1.2312
27	■			■
36	■		■	■

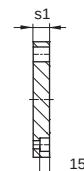
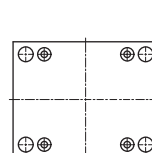
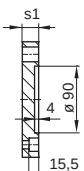
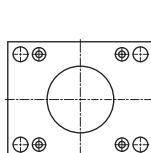
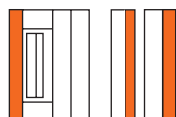
K12 K13



K12/196x446 / s1	1.1730	1.2162	1.2085	1.2312
36	■		■	■

K13/196x446 / s1	1.1730	1.2162	1.2085	1.2312
36	■		■	■

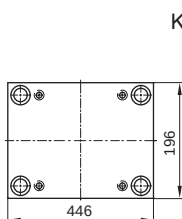
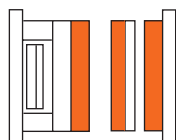
K15 K16



K15/196x446 / s1	1.1730	1.2162	1.2085	1.2312
27	■		■	■

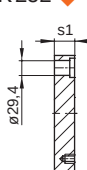
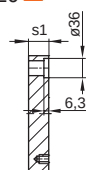
K16/196x446 / s1	1.1730	1.2162	1.2085	1.2312
27	■		■	■

K20 K252



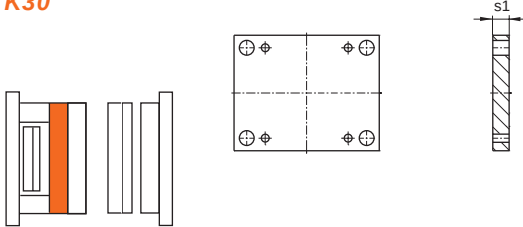
K20 ■

K252 ◆



.../196x446 x s1/	1.1730	1.2162	1.2767	1.2083	1.2085	1.2311	1.2312	1.2343	1.2343 ESU/ESR	Toolox33
22	■		◆		■◆	■◆	■◆			■
27	■		◆	◆	■◆	■◆	■◆	◆		■
36	■		◆	◆	■◆	■◆	■◆	◆		■
46	■		◆	◆	■◆	■◆	■◆	◆		■
56	■		◆	◆	■◆	■◆	■◆	◆		■
66	■		◆	◆	■◆	■◆	■◆	◆		■
76	■		◆	◆	■◆	■◆	■◆	◆		■
86	■		◆	◆	■◆	■◆	■◆	◆		■
96	■		◆		■◆	■◆	■◆	◆		■

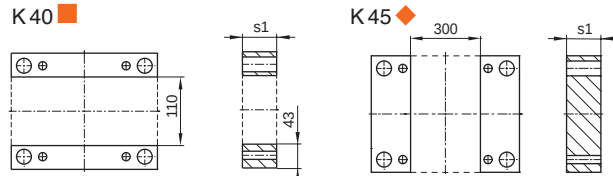
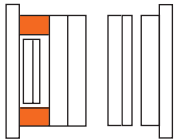
K30



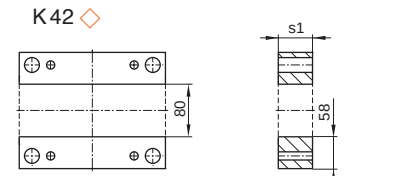
K30/196x446 x s1/	1.1730	1.2085	1.2312
27	■		■
36	■	■	■

K30/196x446 x s1/	1.1730	1.2085	1.2312
46	■		■
56	■		■

K40 K45 K42



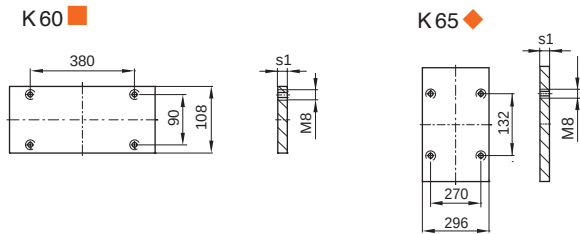
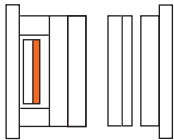
.../196x446 x s1/	1.1730	1.2085	1.2312
46	◇		
56	■ ◇	■ ◇	
66	■ ◇	■	
76	■ ◇	■ ◇	



.../196x446 x s1/	1.1730	1.2085	1.2312
86	■ ◇	■	
96	■ ◇	■ ◇	
116	■ ◇	■	

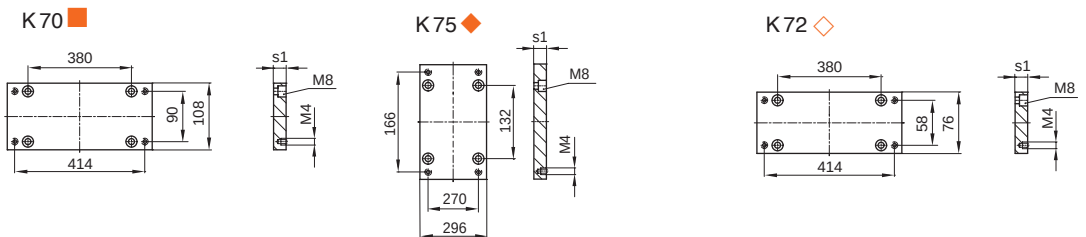
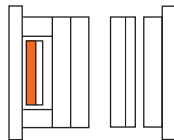


K60 K65 K62



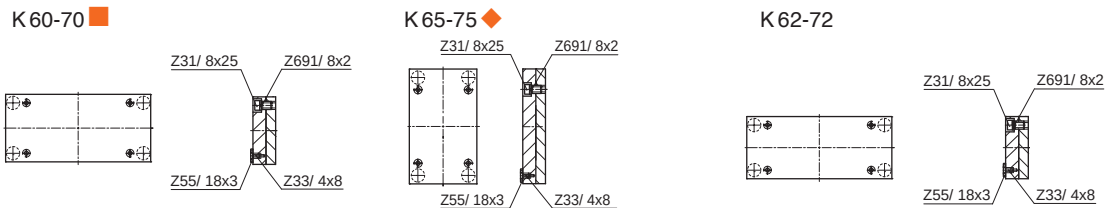
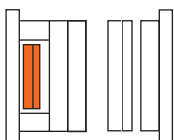
.../196x446 x s1/	1.1730	1.2085	1.2312
17	■ ◇	■ ◇	

K70 K75 K72



.../196x446 x s1/	1.1730	1.2085	1.2312
22	■ ◇	■ ◇	■ ◇

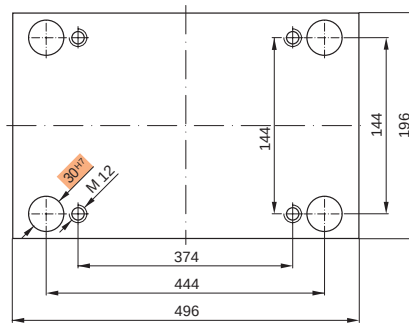
K60-70 K65-75 K62-72



.../196x446 /	1.1730	1.2085
	■ ◇	■ ◇

K62-72/196x446/Typ	1.1730	1.2312
1	K62	K72
3	K62 K72	

196 x 496

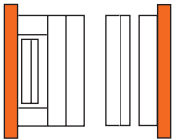


Bestellbeispiel:
Ordering example:
Exemple de commande:

K20 / 196 x 496 x 36 / 1.2162

Neu / New / Nouveau

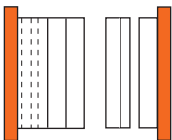
K10
K11



K10/196x496 / s1	1.1730	1.2162	1.2085	1.2312
27	■			■
36	■		■	■

K11/196x496 / s1	1.1730	1.2162	1.2085	1.2312
27	■			■
36	■		■	■

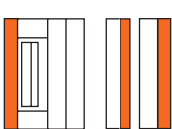
K12
K13



K12/196x496 / s1	1.1730	1.2162	1.2085	1.2312
36	■		■	■

K13/196x496 / s1	1.1730	1.2162	1.2085	1.2312
36	■		■	■

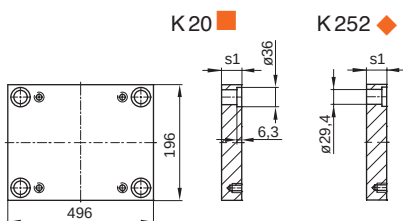
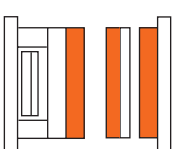
K15
K16



K15/196x496 / s1	1.1730	1.2162	1.2085	1.2312
27	■		■	■

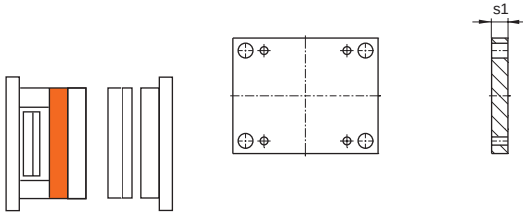
K16/196x496 / s1	1.1730	1.2162	1.2085	1.2312
27	■		■	■

K20
K252



.../196x496 x s1/	1.1730	1.2162	1.2767	1.2083	1.2085	1.2311	1.2312	1.2343	1.2343 ESU/ESR	Toolox33
22	■		◆		■◆	■◆	■◆			■
27	■		◆	◆	■◆	■◆	■◆	◆		■
36	■		◆		■◆	■◆	■◆			■
46	■		◆	◆	■◆	■◆	■◆			■
56	■		◆	◆	■◆	■◆	■◆	◆		■
66	■		◆	◆	■◆	■◆	■◆	◆		■
76	■		◆	◆	■◆	■◆	■◆	◆		■
86	■		◆	◆	■◆	■◆	■◆	◆		■
96	■		◆		■◆	■◆	■◆	◆		■

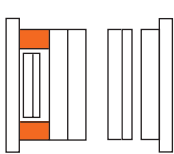
K30



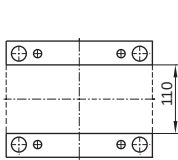
K30/196x496 x s1/	1.1730	1.2085	1.2312
27	■		■
36	■	■	■

K30/196x496 x s1/	1.1730	1.2085	1.2312
46	■		■
56	■		■

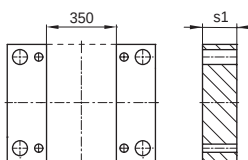
K40 K45 K42



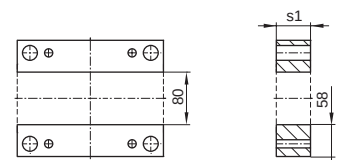
K40 ■



K45 ◆



K42 ◇

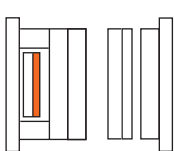


.../196x496 x s1/	1.1730	1.2085	1.2312
56	■ ◆ ◇	■ ◆	
66	■ ◆	■	
76	■ ◆ ◇	■ ◆	

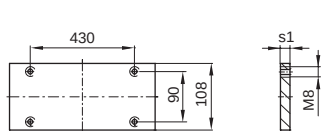
.../196x496 x s1/	1.1730	1.2085	1.2312
86	■ ◆ ◇	■	
96	■ ◆ ◇	■ ◆	
116	■ ◆ ◇	■	



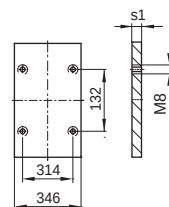
K60 K65 K62



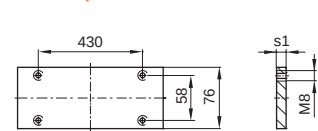
K60 ■



K65 ◆

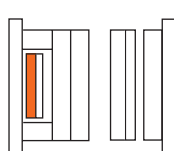


K62 ◇

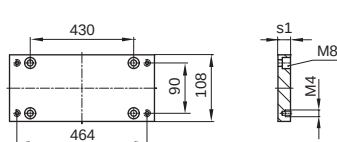


.../196x496 x s1/	1.1730	1.2085	1.2312
17	■ ◆ ◇	■ ◆	

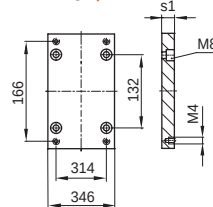
K70 K75 K72



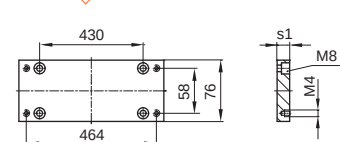
K70 ■



K75 ◆

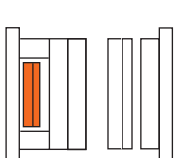


K72 ◇

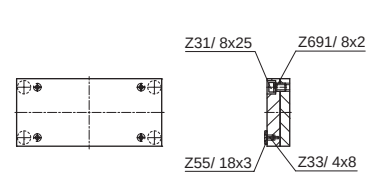


.../196x496 x s1/	1.1730	1.2085	1.2312
22	■ ◆ ◇	■ ◆	■ ◆ ◇

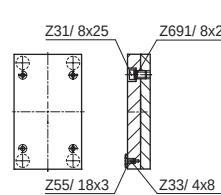
K60-70 K65-75 K62-72



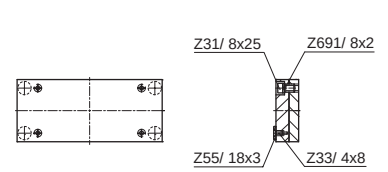
K60-70 ■



K65-75 ◆



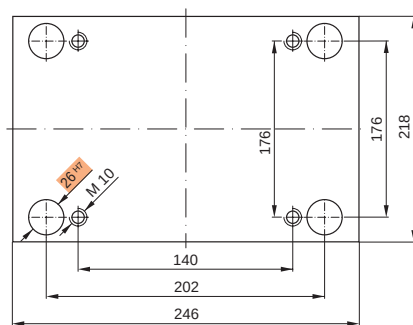
K62-72



.../196x496 /	1.1730	1.2085
	■ ◆	■ ◆

K62-72/196x496/Typ	1.1730	1.2312
1	K62	K72
3	K62 K72	

218 x 246



Bestellbeispiel:
Ordering example:
Exemple de commande:

K20 / 218 x 246 x 36 / 1.2767

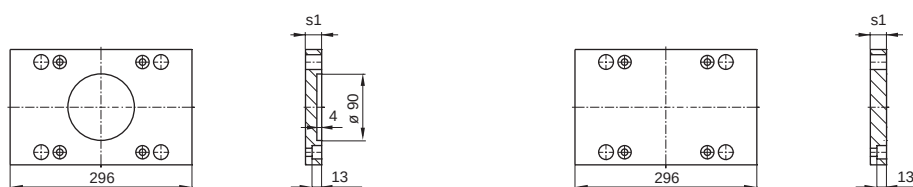
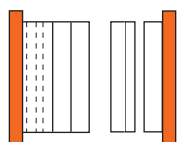
K10
K11



K10/218x246 / s1	1.1730	1.2162	1.2085	1.2312
22	■		■	■
27	■		■	■

K11/218x246 / s1	1.1730	1.2162	1.2085	1.2312
22	■		■	■
27	■		■	■

K12
K13



K12/218x246 / s1	1.1730	1.2162	1.2085	1.2312
22	■		■	■
27	■		■	■

K13/218x246 / s1	1.1730	1.2162	1.2085	1.2312
22	■		■	■
27	■		■	■

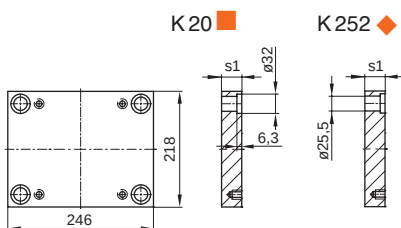
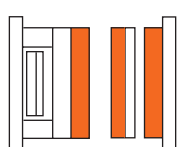
K15
K16



K15/218x246 / s1	1.1730	1.2162	1.2085	1.2312
17	■		■	■
22	■		■	■

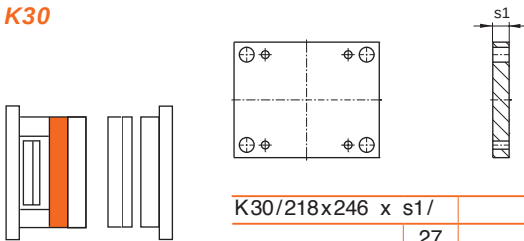
K16/218x246 / s1	1.1730	1.2162	1.2085	1.2312
17	■		■	■
22	■		■	■

K20
K252



.../218x246 x s1/	1.1730	1.2162	1.2767	1.2083	1.2085	1.2311	1.2312	1.2343	1.2343 ESU/ESR	Toolox33
17	■	■	■◆		■◆	■◆	■◆			■
22	■	■	■◆		■◆	■◆	■◆			■
27	■	■	■◆		■◆	■◆	■◆			■
36	■	■	■◆		■◆	■◆	■◆			■
46	■	■	■◆		■◆	■◆	■◆			■
56	■	■	■◆		■◆	■◆	■◆			■
66	■	■	■◆		■◆	■◆	■◆			■
76	■	■	■◆		■◆	■◆	■◆			■
86	■	■	■◆		■◆	■◆	■◆			■
96	■	■	■◆		■◆	■◆	■◆			■

K30



K30/218x246 x s1/	1.1730	1.2085	1.2312
27	■	■	■
36	■	■	■
46	■		■
56	■		■

K 40

K 45

K 42

...	218x246 x s1/	1.1730	1.2085	1.2312	...	218x246 x s1/	1.1730	1.2085	1.2312
	46	■	◆	◇		86	◇		
	56	■	◆	◇		96	◇		
	66		◇			116	◇		
	76	■	◆	◇					

K60

K65

K62

...	218x246 x s1/	1.1730	1.2085	1.2312
	12	■	◆	◇

K70

K75

K72

...	218x246 x s1/	1.1730	1.2085	1.2312
	17	■	◆	◇

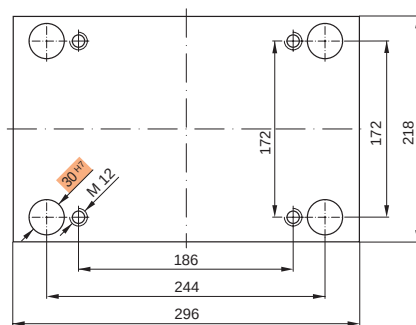
K60-70

K65-75

K62-72

...	218x246 /	1.1730	1.2085
		■	◆

218 x 296



Bestellbeispiel:
Ordering example:
Exemple de commande:

K20 / 218 x 296 x 36 / 1.2767

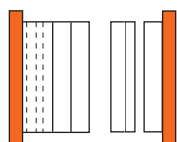
K10
K11



K10/218x296 / s1	1.1730	1.2162	1.2085	1.2312
27	■		■	■
36	■		■	■

K11/218x296 / s1	1.1730	1.2162	1.2085	1.2312
27	■		■	■
36	■		■	■

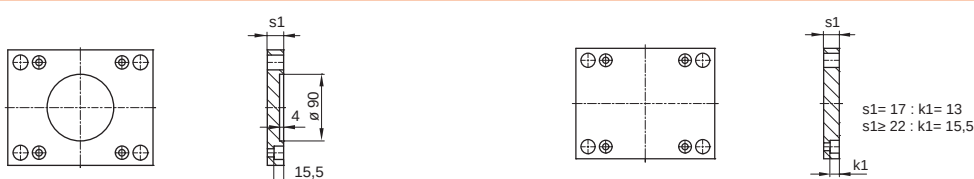
K12
K13



K12/218x296 / s1	1.1730	1.2162	1.2085	1.2312
22	■		■	■
27	■		■	■
36	■		■	■

K13/218x296 / s1	1.1730	1.2162	1.2085	1.2312
22	■		■	■
27	■		■	■
36	■		■	■

K15
K16

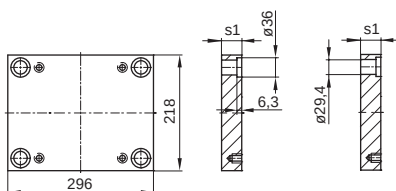
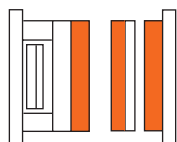


K15/218x296 / s1	1.1730	1.2162	1.2085	1.2312
22	■		■	■
27	■		■	■

K16/218x296 / s1	1.1730	1.2162	1.2085	1.2312
17	■	■	■	
22	■		■	■
27	■		■	■

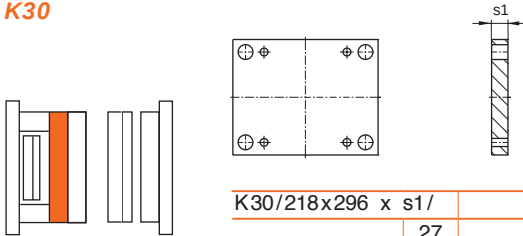
K20
K252

K20 ■ K252 ◆



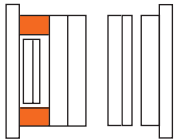
.../218x296 x s1/	1.1730	1.2162	1.2767	1.2083	1.2085	1.2311	1.2312	1.2343	1.2343 ESU/ESR	Toolox33
17	■	■	■◆		■◆	■◆	■◆			■
22	■	■	■◆		■◆	■◆	■◆			■
27	■	■	■◆		■◆	■◆	■◆			■
36	■	■	■◆		■◆	■◆	■◆			■
46	■	■	■◆		■◆	■◆	■◆			■
56	■	■	■◆		■◆	■◆	■◆			■
66	■	■	■◆		■◆	■◆	■◆			■
76	■	■	■◆		■◆	■◆	■◆			■
86	■	■	■◆		■◆	■◆	■◆			■
96	■	■	■◆		■◆	■◆	■◆			■

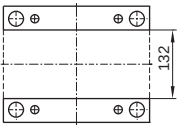
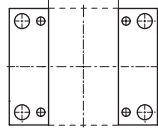
K30



K30/218x296 x s1/	1.1730	1.2085	1.2312
27	■	■	■
36	■	■	■
46	■		■
56	■		■

K40 K45 K42



K40		K45		
				
.../218x296 x s1/		1.1730	1.2085	1.2312
46				
56		 	 	
66		 		
76		  	 	

K 42 

Technical drawing of a K 42 profile. It shows a cross-section with a total width of 102 and a height of 58. The profile is divided into four quadrants by a vertical and a horizontal dashed line. Each quadrant contains a circle with a cross inside. The top and bottom quadrants also have a small circle with a cross inside. The left and right quadrants have a small circle with a cross inside. The profile is shown in a perspective view.

Technical drawing of a K 42 profile showing the width dimension s1 and the height dimension 58. The profile is shown in a perspective view.

.../218x296 x s1/

1.1730

1.2085

1.2312

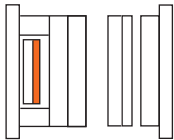
86

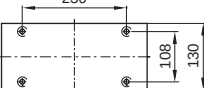
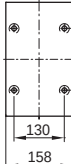
96

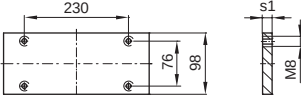
116



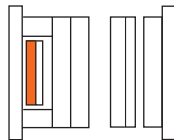
K60 K65 K62

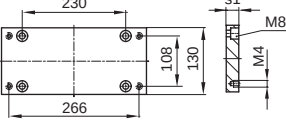
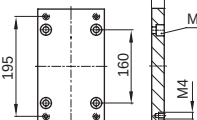


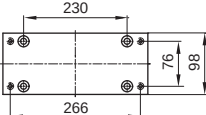
K 60			
			
		K 65	
			
			
.../218x296 x s1/		1.1730	
12			

K 62 ◇			
			
1.2085		1.2312	
■ ◆			

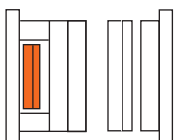
K70 K75 K72

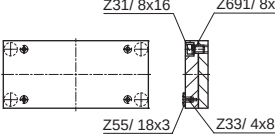
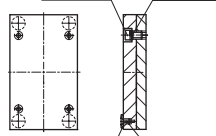


K70			
			
...		1.1730	
17			

K72 ◇			
			
1.2085		1.2312	
■ ◆		■ ◆ ◇	

K60-70 K65-75 K62-72



K 60-70		K 65-75	
			
.../218x296 /		1.1730	1.2085

K 62-72

K62-72/218x296/Typ

1.1730

1.2312

1

K62

K72

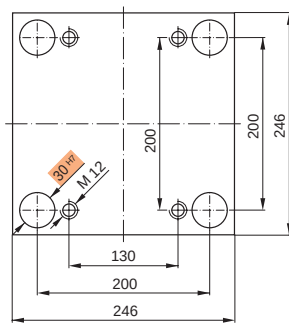
3

K62 K72

246 x 246

Register/Section
Répertoire
Seite/Page K 2500/...
246

Register/Section
Répertoire
Seite/Page KR
290 (KR 20/...)

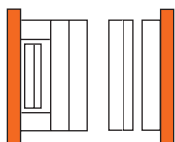


Bestellbeispiel:
Ordering example:
Exemple de commande:

K20 / 246 x 246 x 36 / 1.2767

Neu / New / Nouveau

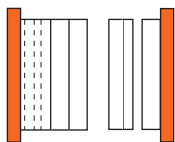
K10
K11



K10/246x246 / s1	1.1730	1.2162	1.2085	1.2312
27	■		■	■
36	■		■	■

K11/246x246 / s1	1.1730	1.2162	1.2085	1.2312
27	■		■	■
36	■		■	■

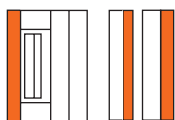
K12
K13



K12/246x246 / s1	1.1730	1.2162	1.2085	1.2312
27	■		■	■
36	■		■	■

K13/246x246 / s1	1.1730	1.2162	1.2085	1.2312
27	■		■	■
36	■		■	■

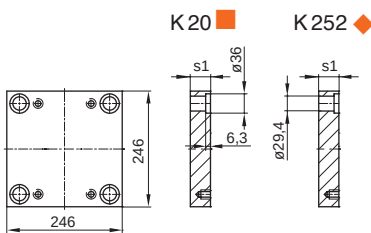
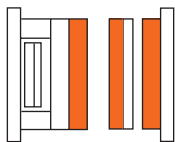
K15
K16



K15/246x246 / s1	1.1730	1.2162	1.2085	1.2312
22	■		■	■
27	■		■	■

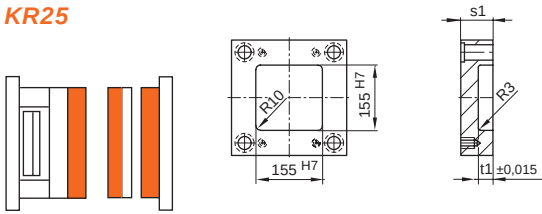
K16/246x246 / s1	1.1730	1.2162	1.2085	1.2312
17	■	■	■	
22	■		■	■
27	■		■	■

K20
K252



.../246x246 x s1/	1.1730	1.2162	1.2767	1.2083	1.2085	1.2311	1.2312	1.2343	1.2343 ESU/ESR	Toolox33
17	■	■	■	■	■	■	■	■		■
22	■	■	■	■	■	■	■	■		■
27	■	■	■	■	■	■	■	■		■
36	■	■	■	■	■	■	■	■		■
46	■	■	■	■	■	■	■	■		■
56	■	■	■	■	■	■	■	■		■
66	■	■	■	■	■	■	■	■		■
76	■	■	■	■	■	■	■	■		■
86	■	■	■	■	■	■	■	■		■
96	■	■	■	■	■	■	■	■		■
106	■				■	■	■	■		
116	■		■		■	■	■	■		
126	■					■	■	■		
136	■				■	■	■	■		

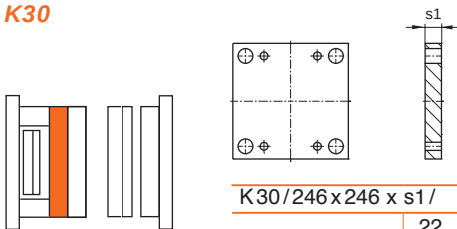
KR25



KR 25/246 x 246 x s1/	1.1730	1.2085	1.2312	t1
36	■	■	■	16,8
46	■	■	■	21,8
56	■	■	■	26,8

KR 25/246 x 246 x s1/	1.1730	1.2085	1.2312	t1
66	■	■	■	26,8
76	■	■	■	35,8
86	■	■	■	45,8

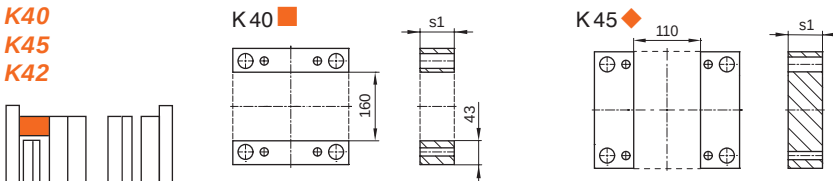
K30



K 30/246 x 246 x s1/	1.1730	1.2085	1.2312
22	■	■	■
27	■	■	■
36	■	■	■
46	■	■	■

K 30/246 x 246 x s1/	1.1730	1.2085	1.2312
56	■	■	■
66	■	■	■
76	■	■	■

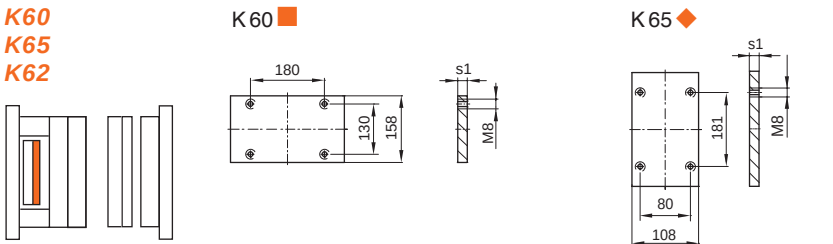
K40 K45 K42



... / 246 x 246 / s1 /	1.1730	1.2085	1.2312
46	■	■	■
56	■	■	■
66	■	■	■
76	■	■	■

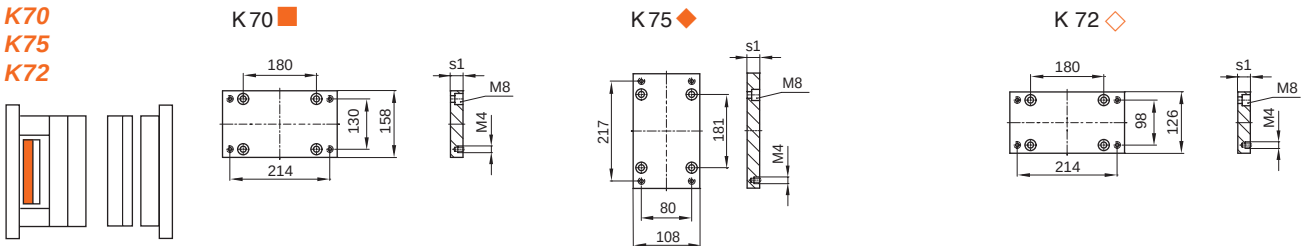
... / 246 x 246 / s1 /	1.1730	1.2085	1.2312
86	■	■	■
96	■	■	■
116	■	■	■

K60 K65 K62



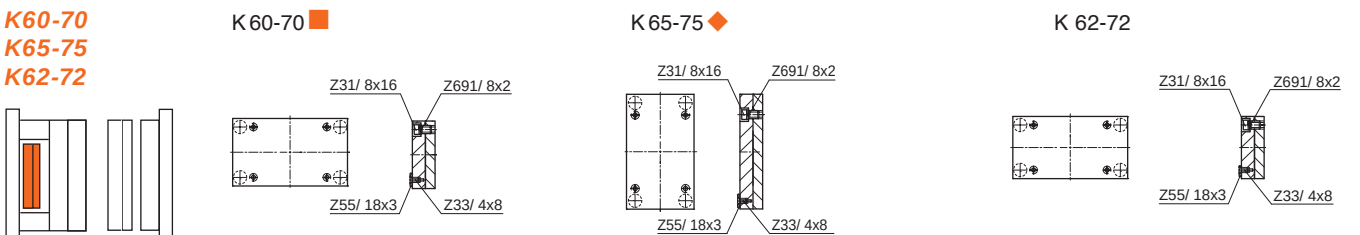
... / 246 x 246 / s1 /	1.1730	1.2085	1.2312
12	■	■	■

K70 K75 K72



... / 246 x 246 / s1 /	1.1730	1.2085	1.2312
17	■	■	■

K60-70 K65-75 K62-72



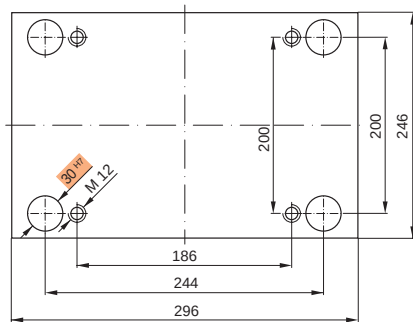
... / 246 x 246 /	1.1730	1.2085
	■	■

K 62-72/246 x 246 / Typ	1.1730	1.2312
1	K 62	K 72
3	K 62 K 72	

246 x 296

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K 2500/...
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Répertoire
Seite/Page
KR
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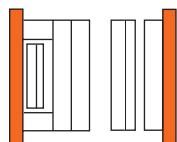


Bestellbeispiel:
Ordering example:
Exemple de commande:

K20 / 246 x 296 x 36 / 1.2767

Neu / New / Nouveau

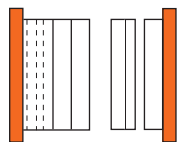
K10 K11



K10/246x296 / s1	1.1730	1.2162	1.2085	1.2312
27	■		■	■
36	■		■	■
46	■			■

K11/246x296 / s1	1.1730	1.2162	1.2085	1.2312
27	■		■	■
36	■		■	■
46	■			■

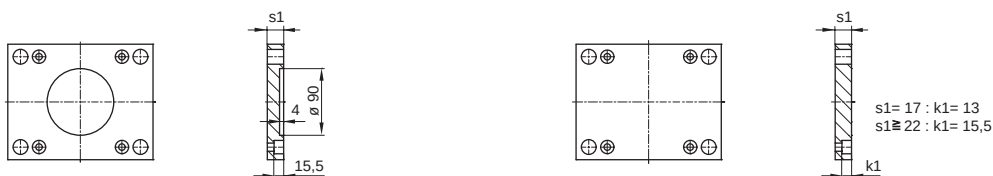
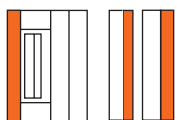
K12 K13



K12/246x296 / s1	1.1730	1.2162	1.2085	1.2312
27	■		■	■
36	■		■	■

K13/246x296 / s1	1.1730	1.2162	1.2085	1.2312
27	■		■	■
36	■		■	■

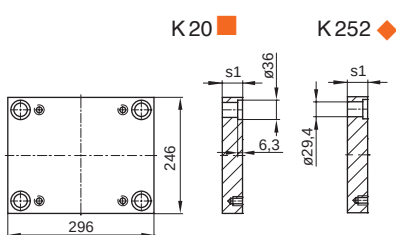
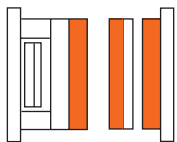
K15 K16



K15/246x296 / s1	1.1730	1.2162	1.2085	1.2312
22	■		■	■
27	■		■	■

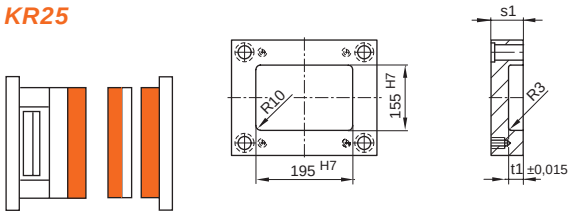
K16/246x296 / s1	1.1730	1.2162	1.2085	1.2312
17	■	■	■	
22	■		■	■
27	■		■	■

K20 K252



.../246x296 x s1/	1.1730	1.2162	1.2767	1.2083	1.2085	1.2311	1.2312	1.2343	1.2343 ESU/ESR	Toolox33
17	■	■	■		■	■	■			■
22	■	■	■	■	■	■	■	■		■
27	■	■	■	■	■	■	■	■		■
36	■	■	■	■	■	■	■	■	■	■
46	■	■	■	■	■	■	■	■	■	■
56	■	■	■	■	■	■	■	■	■	■
66	■	■	■	■	■	■	■	■	■	■
76	■	■	■	■	■	■	■	■	■	■
86	■	■	■	■	■	■	■	■	■	■
96	■	■	■	■	■	■	■	■	■	■
106	■				■	■	■			■
116	■	■	■	■	■	■	■	■	■	■
126	■						■			
136	■				■	■	■			

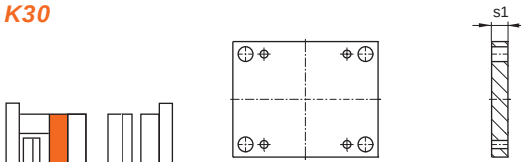
KR25



KR25/246x296 / s1 /	1.1730	1.2085	1.2312	t1
36	■	■	■	16,8
46	■	■	■	21,8
56	■	■	■	26,8

K□25/246x296 / s1	1.1730	1.2085	1.2312	t1
66	■	■	■	26,8
76	■	■	■	35,8
86	■	■	■	45,8

K30



K30/246x296 x s1 /	1.1730	1.2085	1.2312
22	■	■	■
27	■	■	■
36	■	■	■
46	■	■	■

K30/246x296 x s1 /	1.1730	1.2085	1.2312
56	■	■	■
66	■	■	■
76	■	■	■
86	■	■	■



K40

K45

K42

...	246x296 / s1 /	1.1730	1.2085	1.2312
K40	46	■	■	■
K45	56	■	■	■
K42	66	■	■	■
	76	■	■	■

K60

K65

K62

...	246x296 / s1 /	1.1730	1.2085	1.2312
K60	12	■	■	■
K65		■	■	■
K62		■	■	■

K70

K75

K72

...	246x296 / s1 /	1.1730	1.2085	1.2312
K70	17	■	■	■
K75		■	■	■
K72		■	■	■

K60-70

K65-75

K62-72

...	246x296 /	1.1730	1.2085
K60-70		■	■
K65-75		■	■
K62-72		■	■

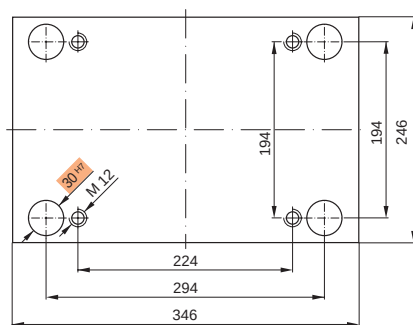
246 x 346



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Bestellbeispiel:
Ordering example:
Exemple de commande:

K20 / 246 x 346 x 36 / 1.2767

Neu / New / Nouveau

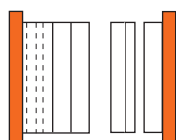
K10
K11



K10/246x346 / s1	1.1730	1.2162	1.2085	1.2312
27	■		■	■
36	■		■	■
46	■			■

K11/246x346 / s1	1.1730	1.2162	1.2085	1.2312
27	■		■	■
36	■		■	■
46	■			■

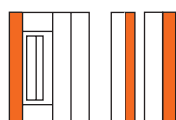
K12
K13



K12/246x346 / s1	1.1730	1.2162	1.2085	1.2312
27	■		■	■
36	■		■	■

K13/246x346 / s1	1.1730	1.2162	1.2085	1.2312
27	■		■	■
36	■		■	■

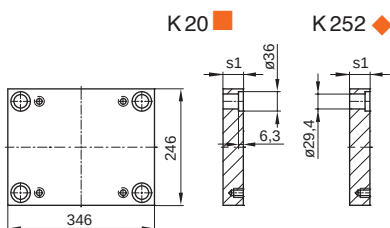
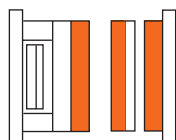
K15
K16



.../246x346 / s1	1.1730	1.2162	1.2085	1.2312
22	■		■	■
27	■		■	■

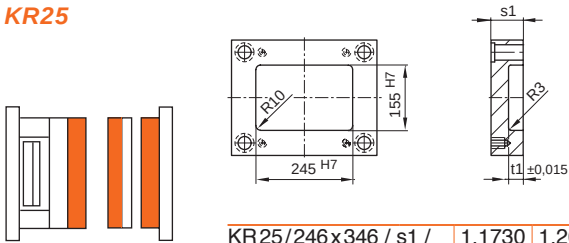
K16/246x346 / s1	1.1730	1.2162	1.2085	1.2312
22	■	■	■	■
27	■		■	■

K20
K252



K20/246x346 / s1	1.1730	1.2162	1.2767	1.2083	1.2085	1.2311	1.2312	1.2343	1.2343 ESU/ESR	Toolox33
17	■				■	■	■			
22	■		◆		■	■	■	◆		■
27	■		◆	◆	■	■	■	◆	◆	■
36	■		◆	◆	■	■	■	◆	◆	■
46	■		◆	◆	■	■	■	◆	◆	■
56	■		◆	◆	■	■	■	◆	◆	■
66	■		◆	◆	■	■	■	◆	◆	■
76	■		◆	◆	■	■	■	◆	◆	■
86	■		◆	◆	■	■	■	◆	◆	■
96	■		◆	◆	■	■	■	◆	◆	■
106	■				■	■	■			
116	■		◆	◆	■	■	■	◆	◆	■
126	■						■			
136	■				■	■	■			

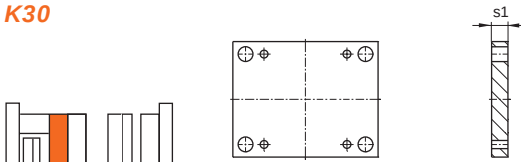
KR25



KR25/246x346 / s1 /	1.1730	1.2085	1.2312	t1
36	■	■	■	16,8
46	■	■	■	21,8
56	■	■	■	26,8

KR25/246x346 / s1	1.1730	1.2085	1.2312	t1
66	■	■	■	26,8
76	■	■	■	35,8
86	■	■	■	45,8

K30



K30/246x346 x s1 /	1.1730	1.2085	1.2312
27	■	■	■
36	■	■	■
46	■	■	■
56	■	■	■

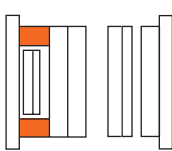
K30/246x346 x s1 /	1.1730	1.2085	1.2312
66	■	■	■
76	■	■	■
86	■	■	■



K40

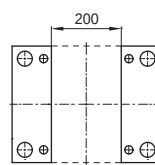
K45

K42



.../246x346 / s1 /	1.1730	1.2085	1.2312
56	■ ◆ ◆	■ ◆	
66	■ ◆ ◆	■	
76	■ ◆ ◆	■ ◆	

K45



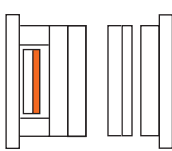
K42

.../246x346 / s1 /	1.1730	1.2085	1.2312
86	■ ◆ ◆	■	
96	■ ◆ ◆	■ ◆	
116	■ ◆ ◆	■ ◆	

K60

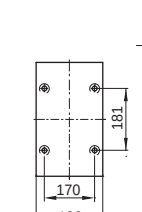
K65

K62

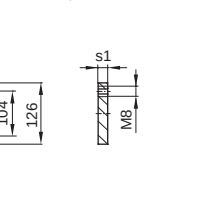


.../246x346 / s1 /	1.1730	1.2085	1.2312
17	■ ◆ ◆	■ ◆	

K65



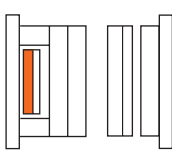
K62



K70

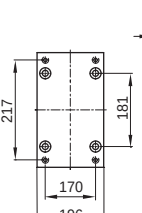
K75

K72

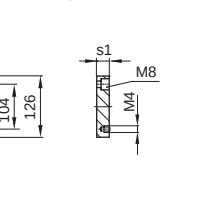


.../246x346 / s1 /	1.1730	1.2085	1.2312
22	■ ◆ ◆	■ ◆	■ ◆ ◆

K75



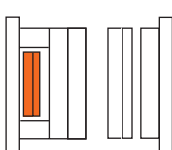
K72



K60-70

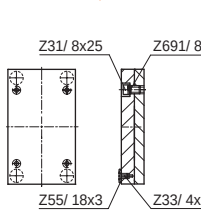
K65-75

K62-72

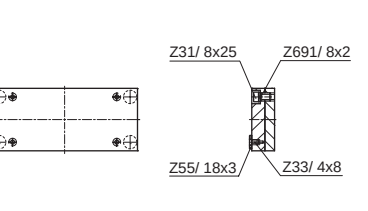


.../246x346 /	1.1730	1.2085
	■ ◆	■ ◆

K65-75

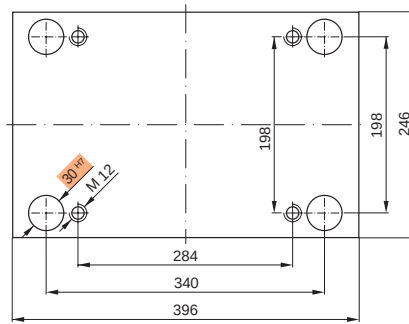


K62-72



K62-72/246x346/Typ	1.1730	1.2312
1	K62	K72
3	K62 K72	

246 x 396

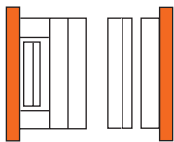


Bestellbeispiel:
Ordering example:
Exemple de commande:

K20 / 246 x 396 x 36 / 1.2767

Neu / New / Nouveau

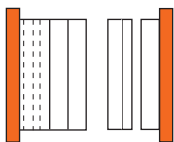
K10
K11



K10/246x396 / s1	1.1730	1.2162	1.2085	1.2312
27	■		■	■
36	■		■	■
46	■		■	■

K11/246x396 / s1	1.1730	1.2162	1.2085	1.2312
27	■		■	■
36	■		■	■
46	■		■	■

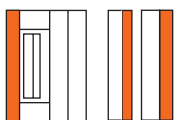
K12
K13



K12/246x396 / s1	1.1730	1.2162	1.2085	1.2312
27	■		■	■
36	■		■	■

K13/246x396 / s1	1.1730	1.2162	1.2085	1.2312
27	■		■	■
36	■		■	■

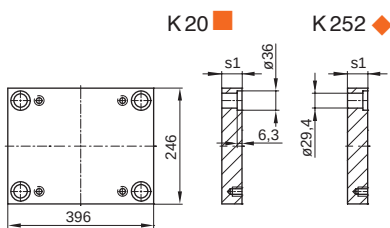
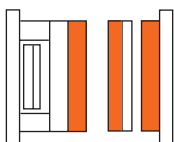
K15
K16



K15/246x396 / s1	1.1730	1.2162	1.2085	1.2312
22	■		■	■
27	■		■	■

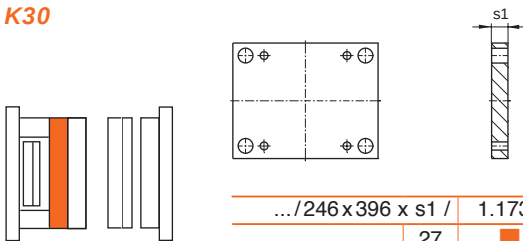
K16/246x396 / s1	1.1730	1.2162	1.2085	1.2312
22	■	■	■	■
27	■		■	■

K20
K252



.../246x396 / s1	1.1730	1.2162	1.2767	1.2083	1.2085	1.2311	1.2312	1.2343	1.2343 ESU/ESR	Toolox33
17	■				■	■	■			
22	■		◆		■	■	■	◆		■
27	■		◆	◆	■	■	■	◆		■
36	■		◆	◆	■	■	■	◆	◆	■
46	■		◆	◆	■	■	■	◆	◆	■
56	■		◆	◆	■	■	■	◆	◆	■
66	■		◆	◆	■	■	■	◆	◆	■
76	■		◆	◆	■	■	■	◆	◆	■
86	■		◆	◆	■	■	■	◆	◆	■
96	■		◆	◆	■	■	■	◆	◆	■
106	■				■	■	■			
116	■		◆	◆	■	■	■	◆	◆	■
126	■						■			
136	■				■	■	■			

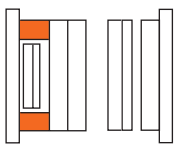
K30



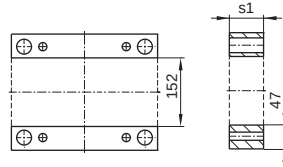
.../246x396 x s1 /	1.1730	1.2085	1.2312
27	■	■	■
36	■	■	■
46	■	■	■
56	■	■	

.../246x396 x s1 /	1.1730	1.2085	1.2312
66	■	■	■
76	■		■
86	■		■

K40 K45 K42

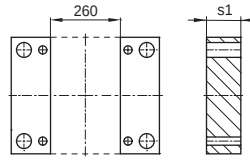


K40 ■

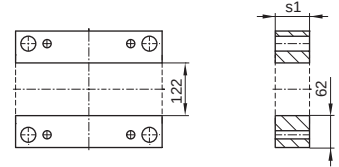


.../246x396 /s1 /	1.1730	1.2085	1.2312
56	■ ◆ ◆	■ ◆	
66	■ ◆ ◆	■ ◆	
76	■ ◆ ◆	■ ◆	

K45 ◆



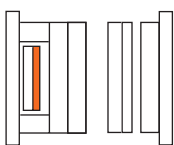
K42 ◆



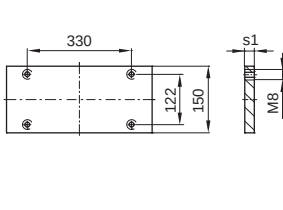
.../246x396 /s1 /	1.1730	1.2085	1.2312
86	■ ◆ ◆	■ ◆	
96	■ ◆ ◆	■ ◆	
116	■ ◆ ◆	■ ◆	



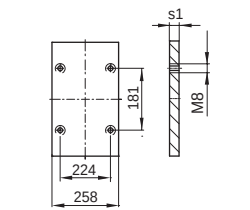
K60 K65 K62



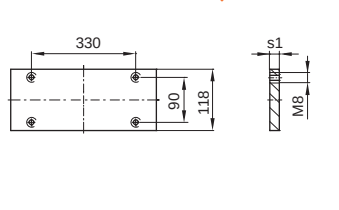
K60 ■



K65 ◆

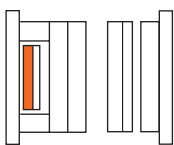


K62 ◆

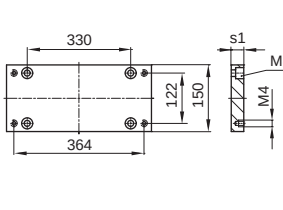


.../246x396 /s1 /	1.1730	1.2085	1.2312
17	■ ◆ ◆	■ ◆	

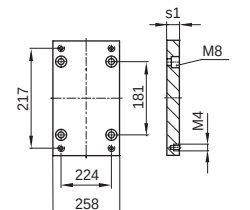
K70 K75 K72



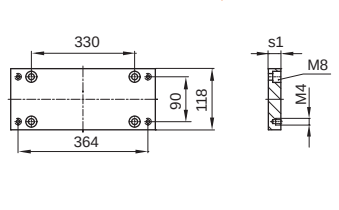
K70 ■



K75 ◆

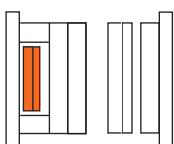


K72 ◆

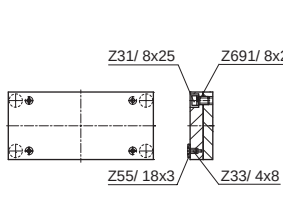


.../246x396 /s1 /	1.1730	1.2085	1.2312
22	■ ◆ ◆	■ ◆	■ ◆ ◆

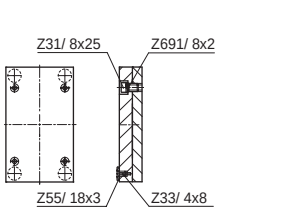
K60 / 70 K65 / 75 K62 / 72



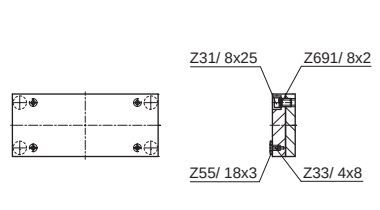
K60-70 ■



K65-75 ◆



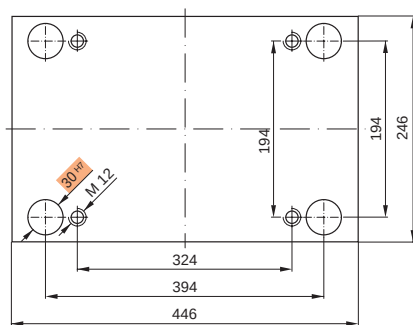
K62-72



.../246x396 /	1.1730	1.2085
	■ ◆	■ ◆

K62-72/246x396/Typ	1.1730	1.2312
1	K62	K72
3	K62 K72	

246 x 446



Bestellbeispiel:
Ordering example:
Exemple de commande:

K20 / 246 x 446 x 36 / 1.2162

Neu / New / Nouveau

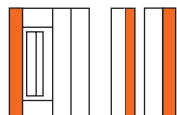
K10 K11



K10/246x446 / s1	1.1730	1.2162	1.2085	1.2312
27	■		■	■
36	■		■	■

K11/246x446 / s1	1.1730	1.2162	1.2085	1.2312
27	■		■	■
36	■		■	■

K15 K16

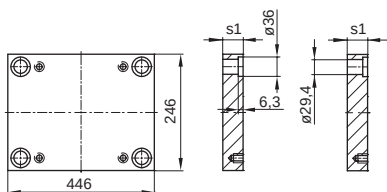
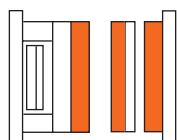


K15/246x446 / s1	1.1730	1.2162	1.2085	1.2312
27	■		■	■

K16/246x446 / s1	1.1730	1.2162	1.2085	1.2312
27	■		■	■

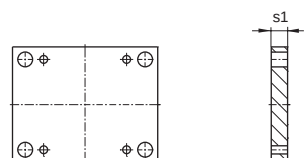
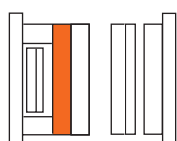
K20 K252

K20 ■ K252 ◆



.../246x446 / s1	1.1730	1.2162	1.2767	1.2083	1.2085	1.2311	1.2312	1.2343	1.2343 ESU/ESR	Toolox33
22	■				■		■			
27	■		◆		■	◆	■	◆		■
36	■		◆		■	◆	■	◆		■
46	■		◆		■	◆	■	◆		■
56	■		◆		■	◆	■	◆		■
66	■		◆		■	◆	■	◆		■
76	■		◆		■	◆	■	◆		■
86	■		◆		■	◆	■	◆		■
96	■				■	◆	■	◆		■
106	■				■	◆	■	◆		■
116	■				■	◆	■	◆		■
136	■				■	◆	■	◆		■

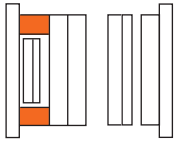
K30



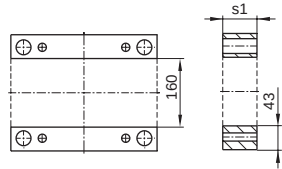
K30/246x446 x s1	1.1730	1.2162	1.2085	1.2312
27	■		■	■
36	■		■	■
46	■		■	■

K30/246x446 x s1	1.1730	1.2162	1.2085	1.2312
56	■		■	■
66	■			■

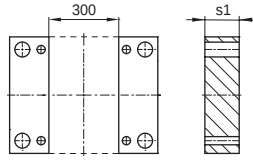
K40
K45
K42



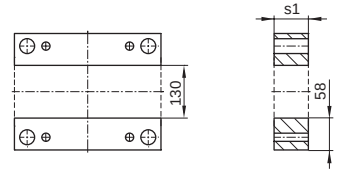
K40 ■



K45 ◆



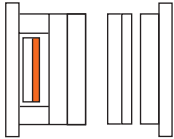
K42 ◇



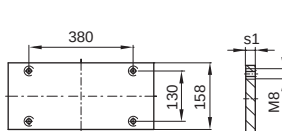
.../246x446 / s1 /	1.1730	1.2085	1.2312
56	■ ◆ ◇	■ ◆	
66	■ ◆ ◇	■	
76	■ ◆ ◇	■ ◆	

.../246x446 / s1 /	1.1730	1.2085	1.2312
86	■ ◆ ◇	■	
96	■ ◆ ◇	■ ◆	
116	■ ◆ ◇	■ ◆	

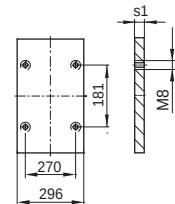
K60
K65
K62



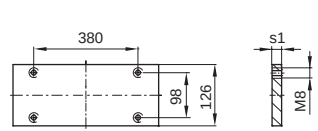
K60 ■



K65 ◆

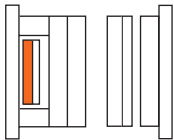


K62 ◇

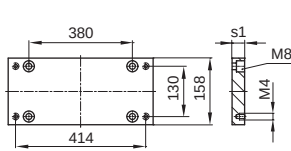


.../246x446 / s1 /	1.1730	1.2085	1.2312
17	■ ◆ ◇	■ ◆	

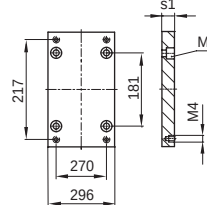
K70
K75
K72



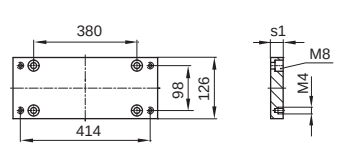
K70 ■



K75 ◆

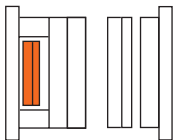


K72 ◇

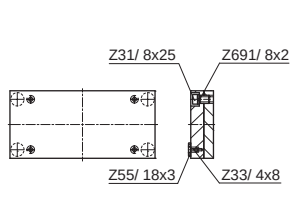


.../246x446 / s1 /	1.1730	1.2085	1.2312
22	■ ◆ ◇	■ ◆	■ ◆ ◇

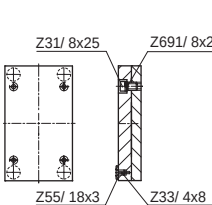
K60-70
K65-75
K62-72



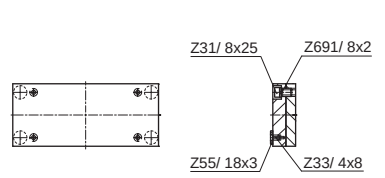
K60-70 ■



K65-75 ◆



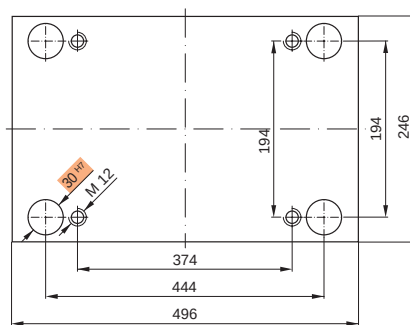
K62-72



.../246x446 /	1.1730	1.2085
	■ ◆	■ ◆

K62-72/246x446/Typ	1.1730	1.2312
1	K62	K72
3	K62 K72	

246 x 496

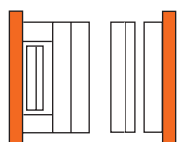


Bestellbeispiel:
Ordering example:
Exemple de commande:

K20 / 246 x 496 x 36 / 1.2162

Neu / New / Nouveau

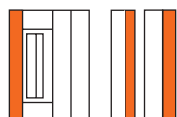
K10
K11



K10/246x496 / s1	1.1730	1.2162	1.2085	1.2312
27	■		■	■
36	■		■	■

K11/246x496 / s1	1.1730	1.2162	1.2085	1.2312
27	■		■	■
36	■		■	■

K15
K16

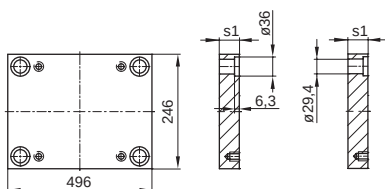
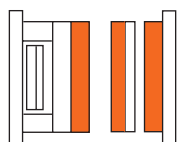


K15/246x496 / s1	1.1730	1.2162	1.2085	1.2312
27	■		■	■
36	■		■	■

K16/246x496 / s1	1.1730	1.2162	1.2085	1.2312
27	■		■	■
36	■		■	■

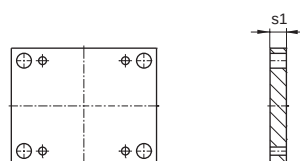
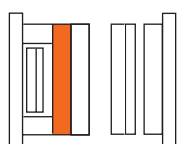
K20
K252

K20 ■ **K252** ◆



.../246x496 / s1	1.1730	1.2162	1.2767	1.2083	1.2085	1.2311	1.2312	1.2343	1.2343 ESU/ESR	Toolox33
22	■				■	■	■			
27	■				■ ◆	■ ◆	■ ◆			■
36	■		◆		■ ◆	■ ◆	■ ◆	◆		■
46	■		◆		■ ◆	■ ◆	■ ◆	◆		■
56	■		◆		■ ◆	■ ◆	■ ◆	◆		■
66	■		◆		■ ◆	■ ◆	■ ◆	◆		■
76	■		◆		■ ◆	■ ◆	■ ◆	◆		■
86	■		◆		■ ◆	■ ◆	■ ◆	◆		■
96	■		◆		■ ◆	■ ◆	■ ◆			■
106	■				■ ◆	■ ◆	■ ◆			
116	■		◆		■ ◆	■ ◆	■ ◆			■
136	■				■ ◆	■ ◆	■ ◆			

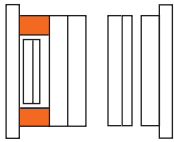
K30



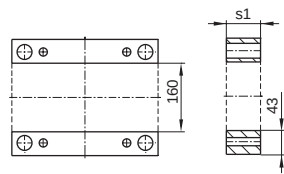
K30/246x496 x s1	1.1730	1.2162	1.2085	1.2312
36	■		■	■
46	■		■	■

K30/246x496 x s1	1.1730	1.2162	1.2085	1.2312
56	■		■	■
66	■		■	■

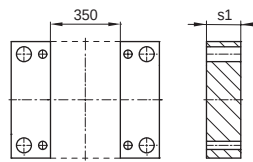
K40
K45
K42



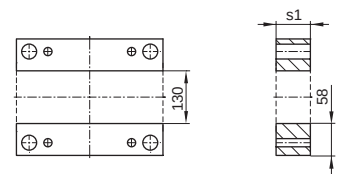
K40 ■



K45 ◆



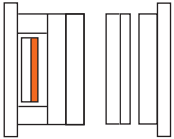
K 42 ◇



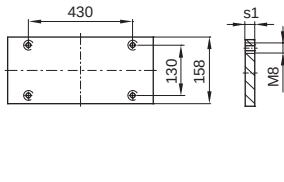
.../246x496 / s1 /	1.1730	1.2085	1.2312
56	■ ◆ ◇	■ ◆	
66	■ ◇	■	
76	■ ◆ ◇	■ ◆	

.../246x496 / s1 /	1.1730	1.2085	1.2312
86	■ ◇	■	
96	■ ◆ ◇	■ ◆	
116	■ ◆ ◇	■ ◆	

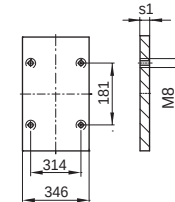
K60
K65
K62



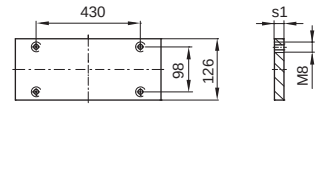
K60 ■



K65 ◆

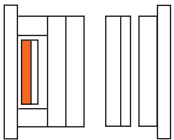


K62 ◇

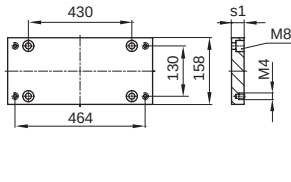


.../246x496 / s1 /	1.1730	1.2085	1.2312
17	■ ◆ ◇	■ ◆	

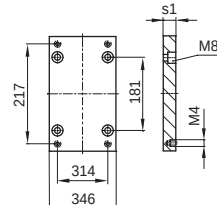
K70
K75
K72



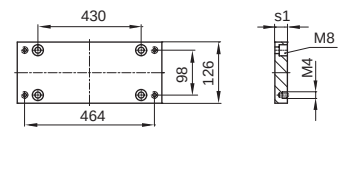
K70 ■



K75 ◆

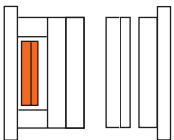


K72 ◇

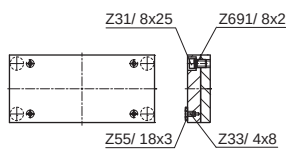


.../246x496 / s1 /	1.1730	1.2085	1.2312
22	■ ◆ ◇	■ ◆	■ ◆ ◇

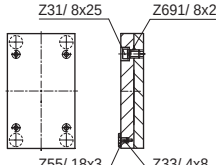
K60-70
K65-75
K62-72



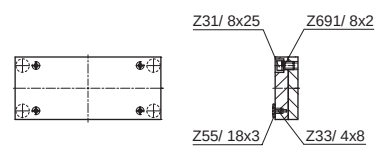
K60-70 ■



K65-75 ◆



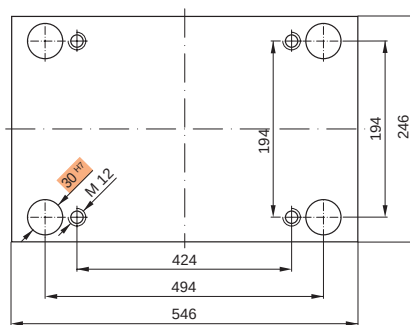
K 62-72



.../246x496 /	1.1730	1.2085
	■ ◆	■ ◆

K62-72/246x496/Typ	1.1730	1.2312
1	K62	K72
3	K62 K72	

246 x 546



Bestellbeispiel:
Ordering example:
Exemple de commande:

K20 / 246 x 546 x 36 / 1.2162

Neu / New / Nouveau

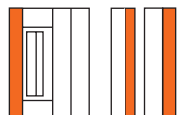
K10
K11



K10/246x546 / s1	1.1730	1.2162	1.2085	1.2312
36	■		■	■
46	■			■

K11/246x546 / s1	1.1730	1.2162	1.2085	1.2312
36	■		■	■
46				

K15
K16

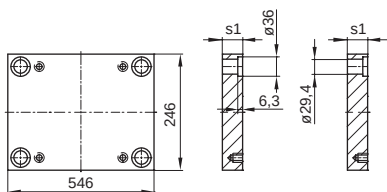
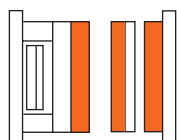


K15/246x546 / s1	1.1730	1.2162	1.2085	1.2312
27	■		■	■

K16/246x546 / s1	1.1730	1.2162	1.2085	1.2312
27	■		■	■

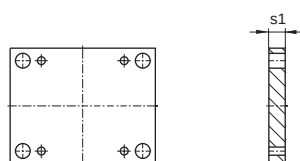
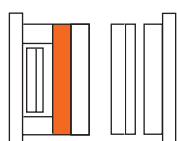
K20
K252

K20 ■ **K252** ◆



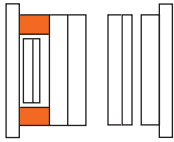
K20/246x546 / s1	1.1730	1.2162	1.2767	1.2083	1.2085	1.2311	1.2312	1.2343	1.2343 ESU/ESR	Toolox33
27	■				■	■	■	■		■
36	■		◆	◆	■	■	■	■		■
46	■		◆	◆	■	■	■	■		■
56	■		◆	◆	■	■	■	■		■
66	■		◆	◆	■	■	■	■		■
76	■		◆	◆	■	■	■	■		■
86	■		◆	◆	■	■	■	■		■
96	■		◆		■	■	■	■		■
116	■				■	■	■	■		■

K30

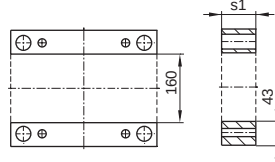


K30/246x546 / s1	1.1730	1.2162	1.2085	1.2312
36	■		■	■
46	■		■	■
56	■			■

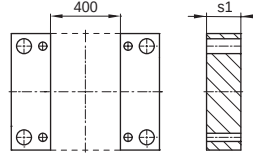
K40
K45
K42



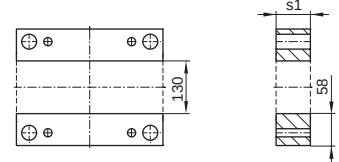
K40 ■



K45 ◆

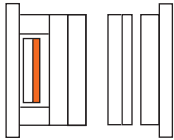


K42 ◇

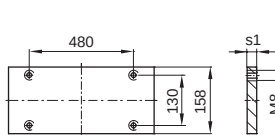


.../246x546 / s1	1.1730	1.2085	1.2312	.../246x546 / s1	1.1730	1.2085	1.2312
56	■ ◆ ◇	■ ◆		96	■ ◆ ◇	■ ◆	
66		◇		116	◆ ◇	◆	
76	■ ◆ ◇	■ ◆		136	◇		
86		◇					

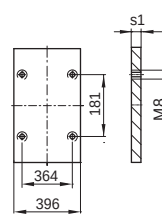
K60
K65
K62



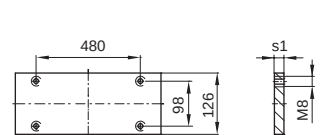
K60 ■



K65 ◆

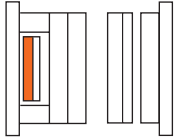


K62 ◇

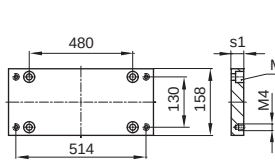


.../246x546 / s1 /	1.1730	1.2085	1.2312
17	■ ◆ ◇	■ ◆	

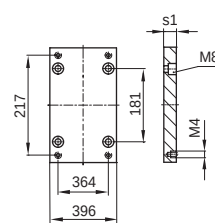
K70
K75
K72



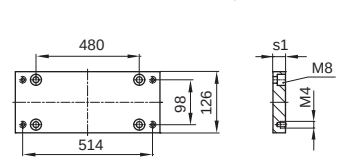
K70 ■



K75 ◆

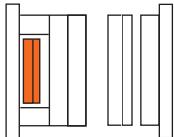


K72 ◇

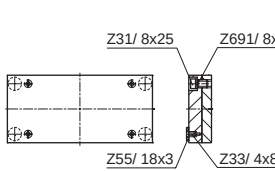


.../246x546 / s1 /	1.1730	1.2085	1.2312
22	■ ◆ ◇	■ ◆	■ ◆ ◇

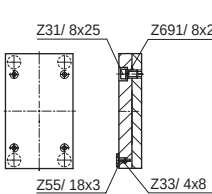
K60 / 70
K65 / 75
K62 / 72



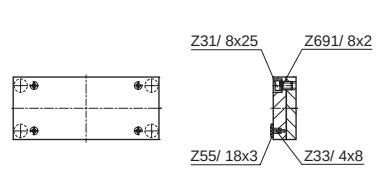
K60-70 ■



K65-75 ◆

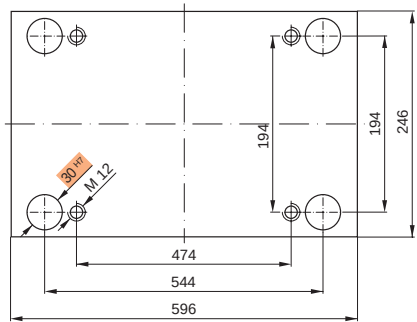


K62-72



.../246x546 /	1.1730	1.2085	K62-72/246x546/Typ	1.1730	1.2312
	■ ◆	■ ◆	1	K62	K72
			3	K62 K72	

246 x 596

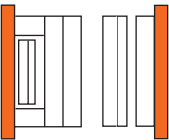


Bestellbeispiel:
Ordering example:
Exemple de commande:

K20 / 246 x 596 x 36 / 1.2162

Neu / New / Nouveau

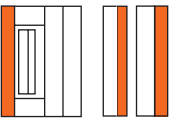
K10
K11



K10/246x596 / s1	1.1730	1.2162	1.2085	1.2312
36	■		■	■

K11/246x596 / s1	1.1730	1.2162	1.2085	1.2312
36	■		■	■

K15
K16

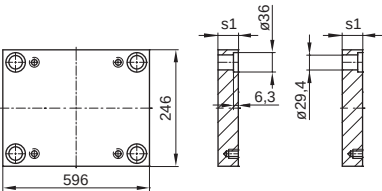
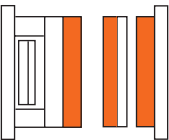


K15/246x596 / s1	1.1730	1.2162	1.2085	1.2312
27	■		■	■

K16/246x596 / s1	1.1730	1.2162	1.2085	1.2312
27	■		■	■

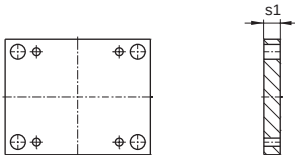
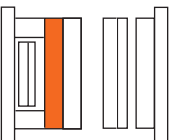
K20
K252

K20 ■ K252 ◆



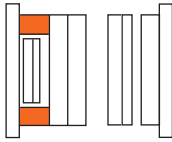
K20/246x596 / s1	1.1730	1.2162	1.2767	1.2083	1.2085	1.2311	1.2312	1.2343	1.2343 ESU/ESR	Toolox33
27	■		◆		■◆	■◆	■◆	◆		■
36	■		◆		■◆	■◆	■◆	◆		■
46	■		◆		■◆	■◆	■◆	◆		■
56	■		◆		■◆	■◆	■◆	◆		■
66	■		◆		■◆	■◆	■◆	◆		■
76	■		◆		■◆	■◆	■◆	◆		■
86	■			◆	■◆	■◆	■◆	◆		■
96	■				■◆	■◆	■◆	◆		■
116	■				■◆	■◆	■◆	◆		■
136	■					■	■			

K30

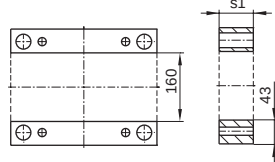


K30/246x596 / s1	1.1730	1.2162	1.2085	1.2312
36	■		■	■
46	■		■	■
56	■			■

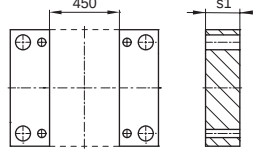
K40
K45
K42



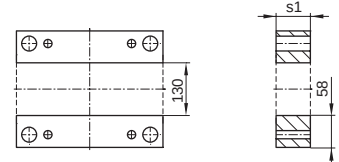
K40 ■



K45 ◆

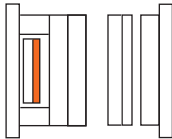


K42 ◇

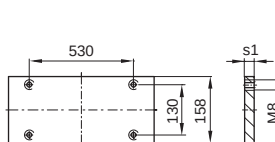


.../246x596 / s1 /	1.1730	1.2085	1.2312	.../246x596 / s1 /	1.1730	1.2085	1.2312
56	◆	◆		96	■ ◆ ◇	■ ◆	
66	◇			116	■ ◆ ◇	■ ◆	
76	■ ◆ ◇	■ ◆		136	◇		
86	◆						

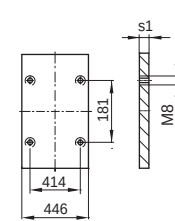
K60
K65
K62



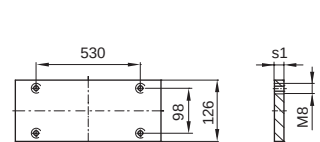
K60 ■



K65 ◆

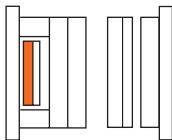


K62 ◇

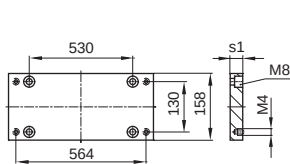


.../246x596 / s1 /	1.1730	1.2085	1.2312
17	■ ◆ ◇	■ ◆	

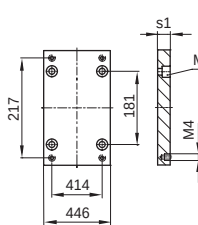
K70
K75
K72



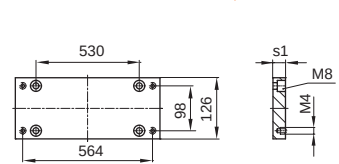
K70 ■



K75 ◆

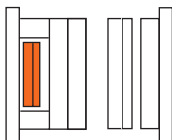


K72 ◇

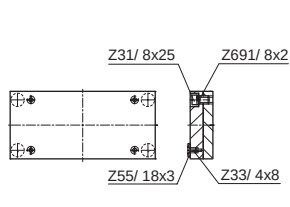


.../246x596 / s1 /	1.1730	1.2085	1.2312
22	■ ◆ ◇	■ ◆	■ ◆ ◇

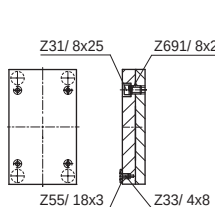
K60 / 70
K65 / 75
K62 / 72



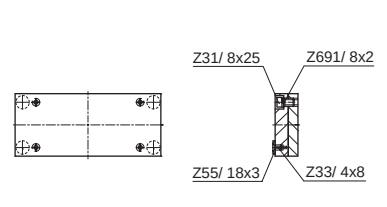
K60-70 ■



K65-75 ◆



K62-72

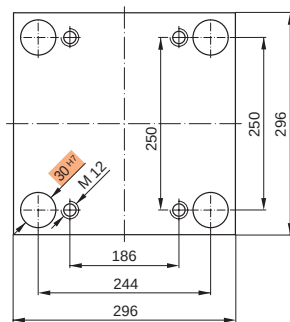


.../246x596 /	1.1730	1.2085	K62-72/246x596/Typ	1.1730	1.2312
	■ ◆	■ ◆	1	K62	K72
			3	K62 K72	

296 x 296

Register / Section
Répertoire K 2500 / ...
Seite / Page 250

Register / Section
Répertoire KR
Seite / Page 293 (KR 20 / ...)

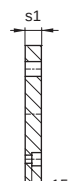
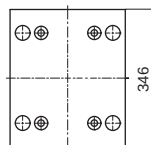
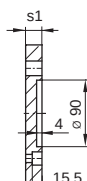
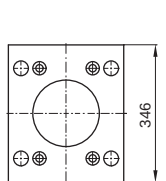
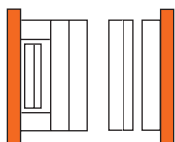


Bestellbeispiel:
Ordering example:
Exemple de commande:

K20 / 296 x 296 x 36 / 1.2767

Neu / New / Nouveau

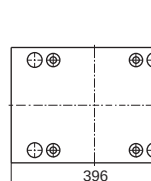
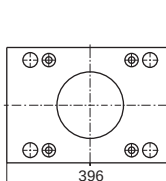
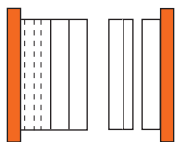
K10 K11



K10/296x296 / s1	1.1730	1.2162	1.2085	1.2312
27	■		■	■
36	■		■	■
46	■			■

K11/296x296 / s1	1.1730	1.2162	1.2085	1.2312
27	■		■	■
36	■		■	■
46	■			■

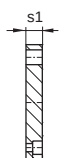
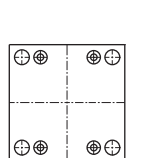
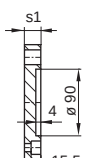
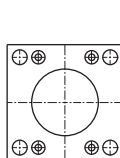
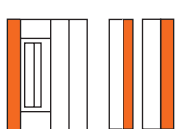
K12 K13



K12/296x296 / s1	1.1730	1.2162	1.2085	1.2312
27	■		■	■
36	■		■	■

K13/296x296 / s1	1.1730	1.2162	1.2085	1.2312
27	■		■	■
36	■		■	■

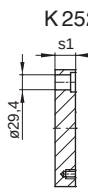
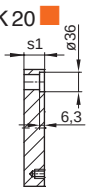
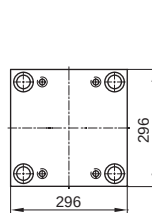
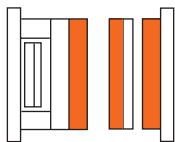
K15 K16



K15/296x296 / s1	1.1730	1.2162	1.2085	1.2312
22	■		■	■
27	■		■	■

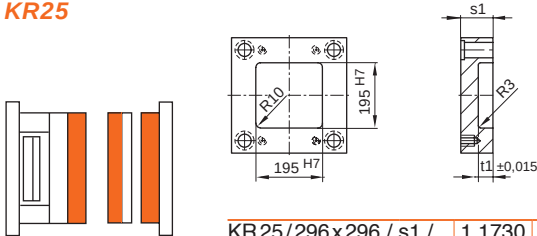
K16/296x296 / s1	1.1730	1.2162	1.2085	1.2312
22	■	■	■	■
27	■		■	■

K20 ◆ K252 ◆



K20/296x296 / s1	1.1730	1.2162	1.2767	1.2083	1.2085	1.2311	1.2312	1.2343	1.2343 ESU/ESR	Toolox33
17	■				■		■			
22	■	■	■ ◆	◆	■ ◆	■ ◆	■ ◆	◆		■
27	■	■	■ ◆	◆	■ ◆	■ ◆	■ ◆	◆	◆	■
36	■	■	■ ◆	■ ◆	■ ◆	■ ◆	■ ◆	◆	◆	■
46	■	■	■ ◆	■ ◆	■ ◆	■ ◆	■ ◆	◆	◆	■
56	■	■	■ ◆	■ ◆	■ ◆	■ ◆	■ ◆	◆	◆	■
66	■	■	■ ◆	■ ◆	■ ◆	■ ◆	■ ◆	◆	◆	■
76	■	■	■ ◆	■ ◆	■ ◆	■ ◆	■ ◆	◆	◆	■
86	■	■	■ ◆	■ ◆	■ ◆	■ ◆	■ ◆	◆	◆	■
96	■	■	■ ◆	■ ◆	■ ◆	■ ◆	■ ◆	◆	◆	■
106	■				■	■	■			
116	■	■	■ ◆	■ ◆	■ ◆	■ ◆	■ ◆	◆	◆	■
126	■						■			
136	■				■ ◆	■ ◆	■ ◆	◆		
156	■				■	■	■			

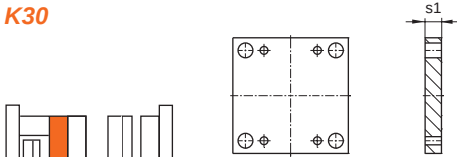
KR25



KR25/296x296 / s1 /	1.1730	1.2085	1.2312	t1
36	■	■	■	16,8
46	■	■	■	21,8
56	■	■	■	26,8

KR25/296x296 / s1	1.1730	1.2085	1.2312	t1
66	■	■	■	26,8
76	■	■	■	35,8
86	■	■	■	45,8

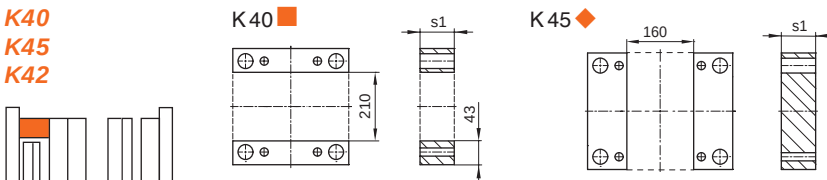
K30



K30/296x296 / s1 /	1.1730	1.2085	1.2312
27	■	■	■
36	■	■	■
46	■	■	■
56	■	■	■

K30/296x296 / s1 /	1.1730	1.2085	1.2312
66	■	■	■
76	■	■	■
86	■	■	■

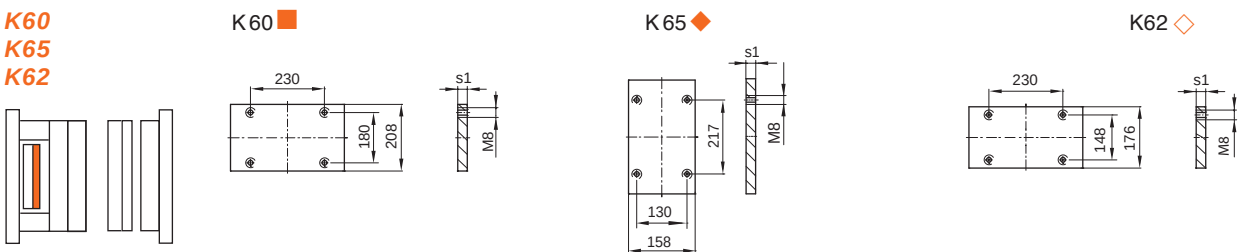
K40 K45 K42



.../296x296 / s1 /	1.1730	1.2085	1.2312
56	■ ◆ ◇	■ ◆	
66	◆		
76	■ ◆	■ ◆	
86	◆		

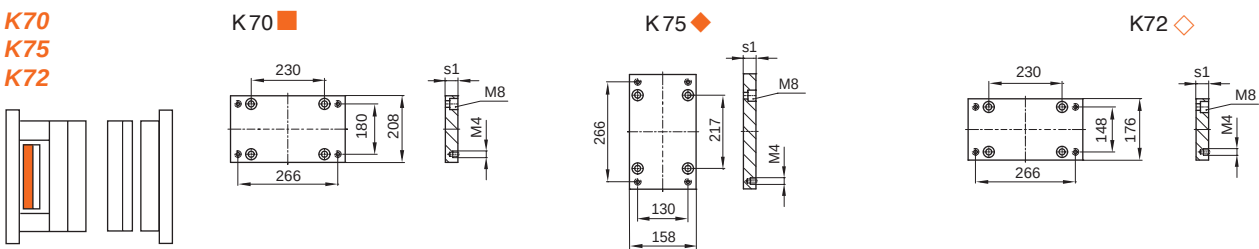
.../296x296 / s1 /	1.1730	1.2085	1.2312
96	■ ◆ ◇	■ ◆	
116	◆		
136	◆		

K60 K65 K62



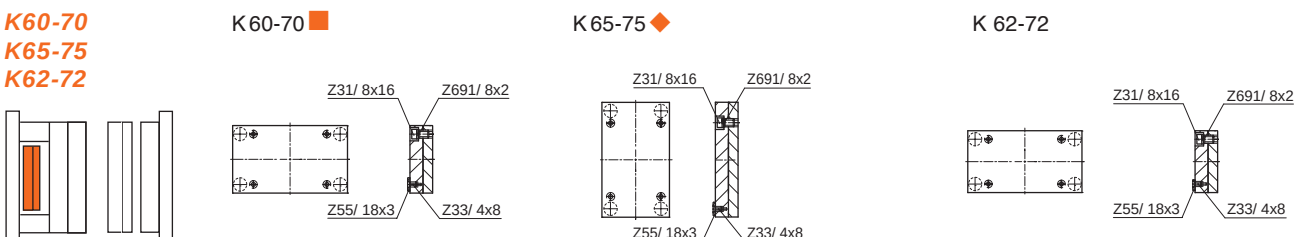
.../296x296 / s1 /	1.1730	1.2085	1.2312
12	■ ◆ ◇	■ ◆	

K70 K75 K72



.../296x296 / s1 /	1.1730	1.2085	1.2312
17	■ ◆ ◇	■ ◆	■ ◆ ◇

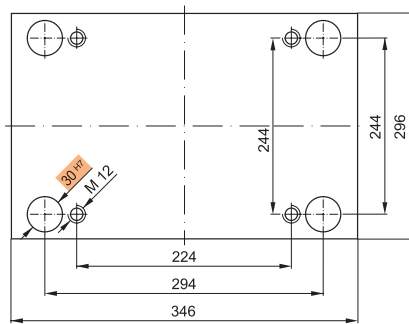
K60-70 K65-75 K62-72



.../296x296 /	1.1730	1.2085
	■ ◆	■ ◆

K62-72/296x296/Typ	1.1730	1.2312
1	K 62	K 72
3	K 62 K 72	

296 x 346



Bestellbeispiel:
Ordering example:
Exemple de commande:

K20 / 296 x 346 x 36 / 1.2767



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KR
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Neu / New / Nouveau

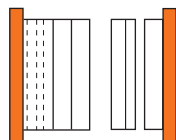
K10
K11



K10/296x346x s1 /	1.1730	1.2162	1.2085	1.2312
27	■		■	■
36	■		■	■
46	■			■

K11/296x346x s1 /	1.1730	1.2162	1.2085	1.2312
27	■		■	■
36	■		■	■
46	■			■

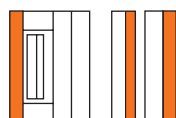
K12
K13



K12/296x346x s1 /	1.1730	1.2162	1.2085	1.2312
27	■		■	■
36	■		■	■

K13/296x346x s1 /	1.1730	1.2162	1.2085	1.2312
27	■		■	■
36	■		■	■

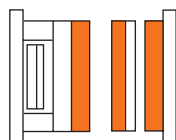
K15
K16



K15/296x346x s1 /	1.1730	1.2162	1.2085	1.2312
22	■		■	■
27	■		■	■

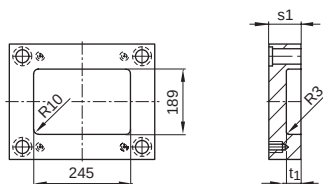
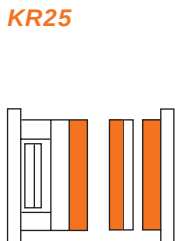
K16/296x346x s1 /	1.1730	1.2162	1.2085	1.2312
22	■	■	■	■
27	■		■	■

K20
K252



.../296x346 x s1 /	1.1730	1.2162	1.2767	1.2083	1.2085	1.2311	1.2312	1.2343	1.2343 ESU/ESR	Toolox33
K20 ■	■				■		■			
K252 ◆			◆	◆	◆	◆	◆	◆	◆	■
17	■				■	■	■	■		
22	■		◆	◆	◆	◆	◆	◆	◆	■
27	■		◆	◆	◆	◆	◆	◆	◆	■
36	■		◆	◆	◆	◆	◆	◆	◆	■
46	■		◆	◆	◆	◆	◆	◆	◆	■
56	■		◆	◆	◆	◆	◆	◆	◆	■
66	■		◆	◆	◆	◆	◆	◆	◆	■
76	■		◆	◆	◆	◆	◆	◆	◆	■
86	■		◆	◆	◆	◆	◆	◆	◆	■
96	■		◆	◆	◆	◆	◆	◆	◆	■
106	■				■	■	■			
116	■		◆	◆	◆	◆	◆	◆	◆	■
126	■						■			
136	■				■	■	■	◆		
156	■					■	■			

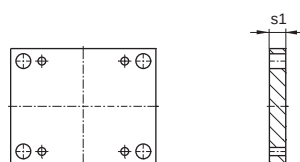
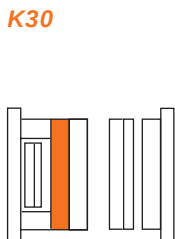
KR25



KR25/296x346 x s1/	1.1730	1.2085	1.2312	t1
36	■	■	■	16,8
46	■	■	■	21,8
56	■	■	■	26,8

KR25/296x346 x s1/	1.1730	1.2085	1.2312	t1
66	■	■	■	26,8
76	■	■	■	35,8
86	■	■	■	45,8

K30



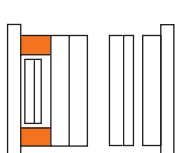
K 30/296x346 x s1/	1.1730	1.2085	1.2312
27	■	■	■
36	■	■	■
46	■	■	■
56	■	■	■

K 30/296x346 x s1/	1.1730	1.2085	1.2312
66	■	■	■
76	■	■	■
86	■	■	■

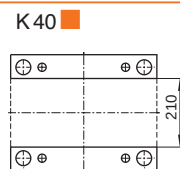
K40

K45

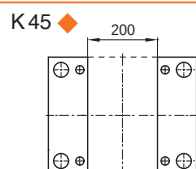
K42



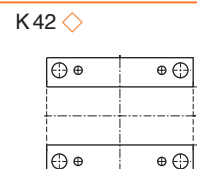
K 40 ■



K 45 ◆



K 42 ◇



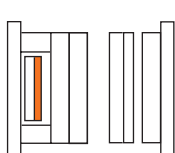
.../296x346 x s1/	1.1730	1.2085	1.2312
56	■ ◆ ◇	■ ◆	
66	■ ◆ ◇	■ ◆	
76	■ ◆ ◇	■ ◆	
86	■ ◆ ◇	■ ◆	

.../296x346 x s1/	1.1730	1.2085	1.2312
96	■ ◆ ◇	■ ◆	
116	■ ◆ ◇	■ ◆	
136	■ ◆ ◇	■ ◆	

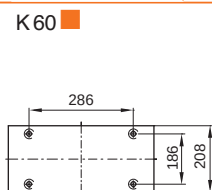
K60

K65

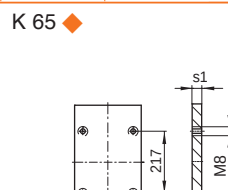
K62



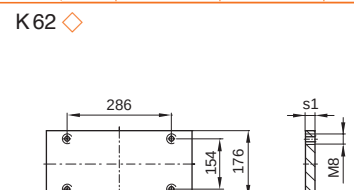
K 60 ■



K 65 ◆



K 62 ◇

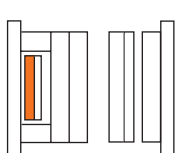


.../296x346 x s1/	1.1730	1.2085	1.2312
17	■ ◆ ◇	■ ◆	

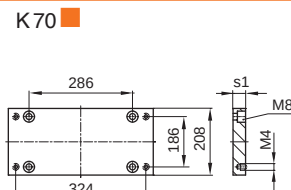
K70

K75

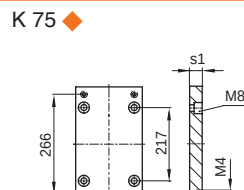
K72



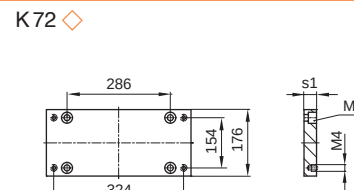
K 70 ■



K 75 ◆



K 72 ◇

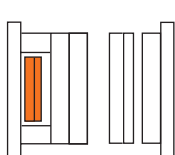


.../296x346 x s1/	1.1730	1.2085	1.2312
22	■ ◆ ◇	■ ◆	■ ◆

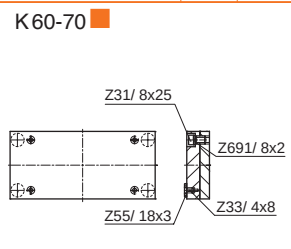
K60-70

K65-75

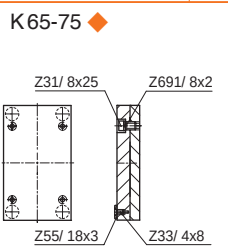
K62-72



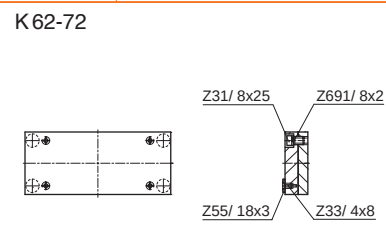
K 60-70 ■



K 65-75 ◆



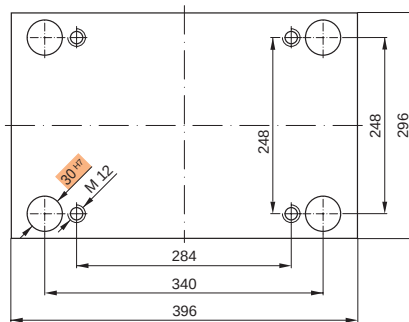
K 62-72 ◇



.../296x346 /	1.1730	1.2085
	■ ◆	■ ◆

K62-72/296x346/Typ	1.1730	1.2312
1	K62	K72
3	K62 K72	

296 x 396



Bestellbeispiel:
Ordering example:
Exemple de commande:

K20 / 296 x 396 x 36 / 1.2767

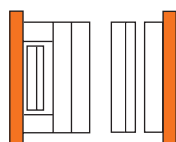


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Neu / New / Nouveau

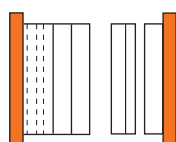
K10
K11



K10/296x396x s1 /	1.1730	1.2162	1.2085	1.2312
27	■		■	■
35	■		■	■
46	■			■

K11/296x396x s1 /	1.1730	1.2162	1.2085	1.2312
27	■		■	■
36	■		■	■
46	■			■

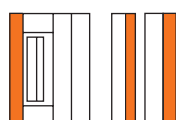
K12
K13



K12/296x396x s1 /	1.1730	1.2162	1.2085	1.2312
27	■		■	■
36	■		■	■

K13/296x396x s1 /	1.1730	1.2162	1.2085	1.2312
27	■		■	■
36	■		■	■

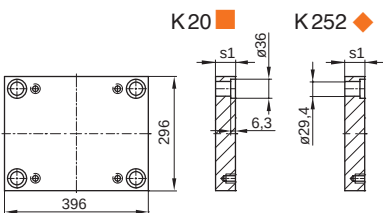
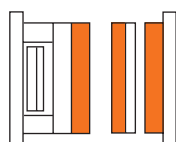
K15
K16



K15/296x396x s1 /	1.1730	1.2162	1.2085	1.2312
22	■		■	■
27	■		■	■

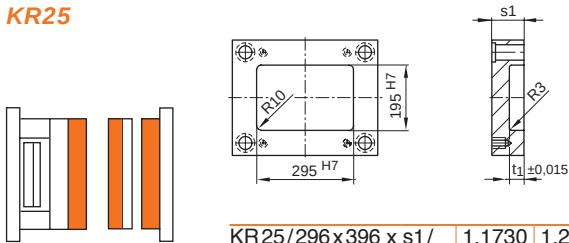
K16/296x396x s1 /	1.1730	1.2162	1.2085	1.2312
22	■	■	■	■
27	■		■	■

K20
K252



.../296x396 x s1/	1.1730	1.2162	1.2767	1.2083	1.2085	1.2311	1.2312	1.2343	1.2343 ESU/ESR	Toolox33
17	■				■		■			
22	■		◆		■	◆	■	◆		■
27	■		◆	◆	■	◆	■	◆	◆	■
36	■		◆	◆	■	◆	■	◆	◆	■
46	■		◆	◆	■	◆	■	◆	◆	■
56	■		◆	◆	■	◆	■	◆	◆	■
66	■		◆	◆	■	◆	■	◆	◆	■
76	■		◆	◆	■	◆	■	◆	◆	■
86	■		◆	◆	■	◆	■	◆	◆	■
96	■		◆	◆	■	◆	■	◆	◆	■
106	■				■	◆	■			
116	■		◆	◆	■	◆	■	◆	◆	■
126	■						■			
136	■				■	◆	■	◆		
156	■					■	■			

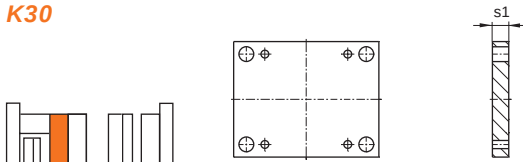
KR25



KR25/296x396 x s1/	1.1730	1.2085	1.2312	t1
36	■	■	■	16,8
46	■	■	■	21,8
56	■	■	■	26,8

KR25/296x396 x s1/	1.1730	1.2085	1.2312	t1
66	■	■	■	26,8
76	■	■	■	35,8
86	■	■	■	45,8

K30



K 30/296x396 x s1/	1.1730	1.2085	1.2312
27	■	■	■
36	■	■	■
46	■	■	■
56	■	■	■

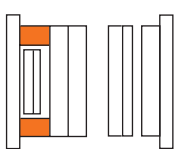
K 30/296x396 x s1/	1.1730	1.2085	1.2312
66	■	■	■
76	■	■	■
86	■	■	■



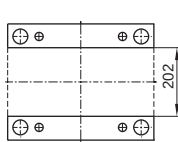
K40

K45

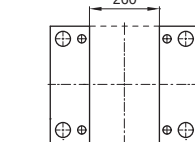
K42



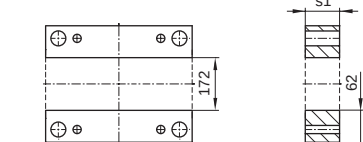
K 40 ■



K 45 ◆



K 42 ◇



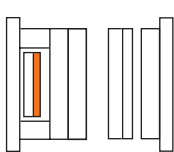
.../296x396 x s1/	1.1730	1.2085	1.2312
56	■ ◆ ◇	■ ◆	
66	■ ◆ ◇	■	
76	■ ◆ ◇	■ ◆	
86	■ ◆ ◇	■	

.../296x396 x s1/	1.1730	1.2085	1.2312
96	■ ◆ ◇	■ ◆	
116	■ ◆ ◇	■	
136	■ ◆ ◇		

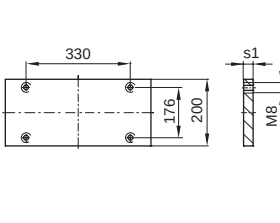
K60

K65

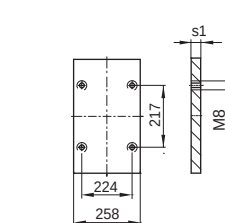
K62



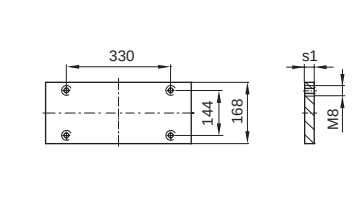
K 60 ■



K 65 ◆



K 62 ◇

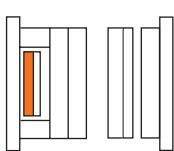


.../296x396 x s1/	1.1730	1.2085	1.2312
17	■ ◆ ◇	■ ◆	

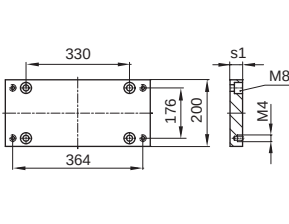
K70

K75

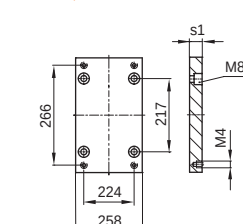
K72



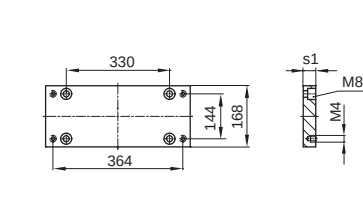
K 70 ■



K 75 ◆



K 72 ◇

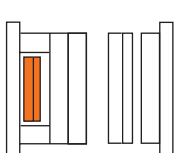


.../296x396 x s1/	1.1730	1.2085	1.2312
22	■ ◆ ◇	■ ◆	■ ◆ ◇

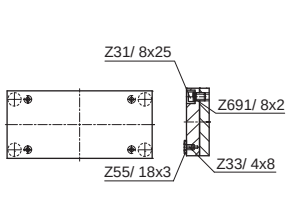
K60-70

K65-75

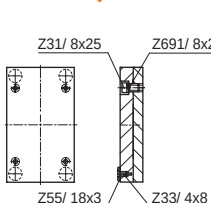
K62-72



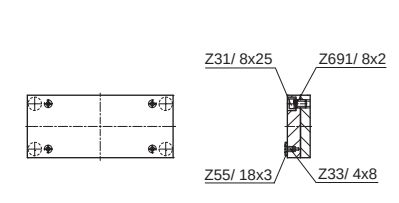
K 60-70 ■



K 65-75 ◆



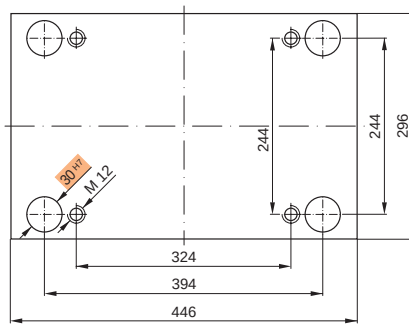
K 62-72 ◇



.../296x396 /	1.1730	1.2085
	■ ◆	■ ◆

K62-72/296x396/Typ	1.1730	1.2312
1	K62	K72
3	K62 K72	

296 x 446

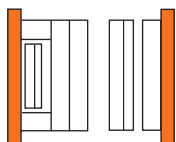


Bestellbeispiel:
Ordering example:
Exemple de commande:

K20 / 296 x 446 x 36 / 1.2767

Neu / New / Nouveau

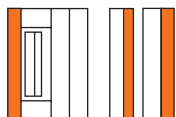
K10 K11



K10/296x446x s1 /	1.1730	1.2162	1.2085	1.2312
27	■		■	■
36	■		■	■
46	■			■

K11/296x446x s1 /	1.1730	1.2162	1.2085	1.2312
27	■		■	■
36	■		■	■
46	■			■

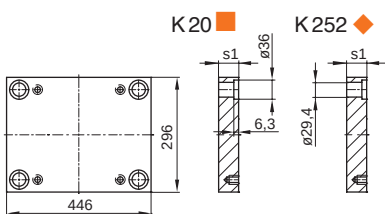
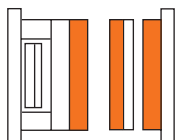
K15 K16



K15/296x446x s1 /	1.1730	1.2162	1.2085	1.2312
27	■		■	■

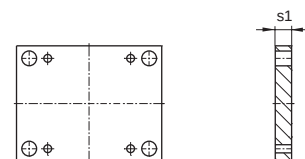
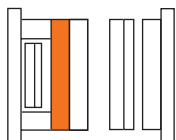
K16/296x446x s1 /	1.1730	1.2162	1.2085	1.2312
27	■		■	■

K20 K252



.../296x446 x s1 /	1.1730	1.2162	1.2767	1.2083	1.2085	1.2311	1.2312	1.2343	1.2343 ESU/ESR	Toolox33
17							■			
22	■				■		■			
27	■		◆		■	◆	■	◆		■
36	■		◆		■	◆	■	◆		■
46	■		◆		■	◆	■	◆		■
56	■		◆		■	◆	■	◆		■
66	■		◆		■	◆	■	◆		■
76	■		◆		■	◆	■	◆		■
86	■		◆		■	◆	■	◆		■
96	■		◆		■	◆	■	◆		■
106	■				■	◆	■	◆		
116	■		◆		■	◆	■	◆		■
126	■				■	◆	■	◆		
136	■				■	◆	■	◆		
156	■				■	◆	■	◆		

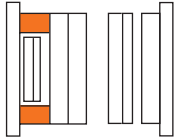
K30



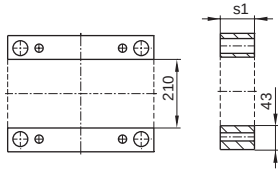
K30/296x446x s1 /	1.1730	1.2162	1.2085	1.2312
36	■		■	■
46	■		■	■
56	■		■	■

K30/296x446x s1 /	1.1730	1.2162	1.2085	1.2312
66	■		■	■
76	■		■	■
86	■		■	■

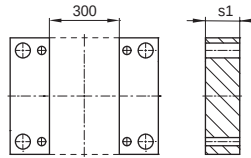
K 40
K 45
K 42



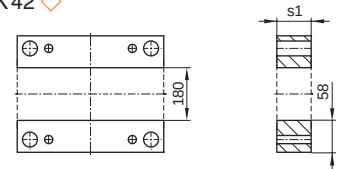
K 40 ■



K 45 ◆



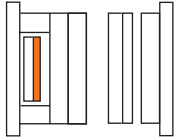
K 42 ◇



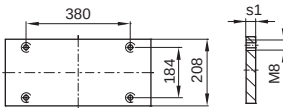
.../296x446 x s1/	1.1730	1.2085	1.2312
56	■ ◆ ◇	■ ◆	
66	■ ◇	■	
76	■ ◆ ◇	■ ◆	
86	■ ◇	■	

.../296x446 x s1/	1.1730	1.2085	1.2312
96	■ ◆ ◇	■ ◆	
116	■ ◆ ◇	■ ◆	
136	■ ◇		

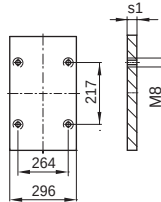
K 60
K 65
K 62



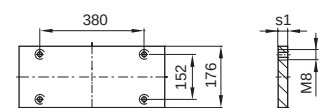
K 60 ■



K 65 ◆

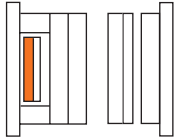


K 62 ◇

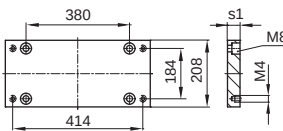


.../296x446 x s1/	1.1730	1.2085	1.2312
17	■ ◆ ◇	■ ◆	

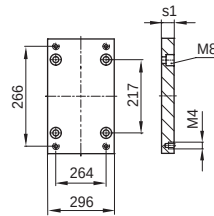
K 70
K 75
K 72



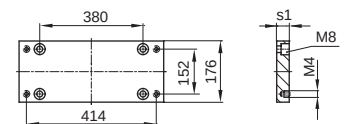
K 70 ■



K 75 ◆

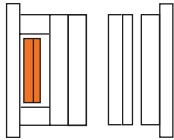


K 72 ◇

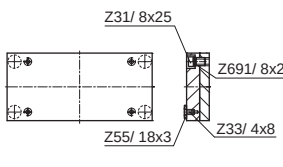


.../296x446 x s1/	1.1730	1.2085	1.2312
22	■ ◆ ◇	■ ◆	■ ◆ ◇

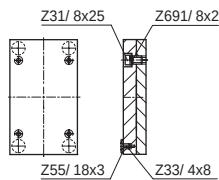
K 60-70
K 65-75
K 62-72



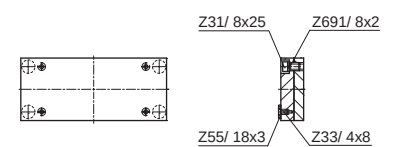
K 60-70 ■



K 65-75 ◆



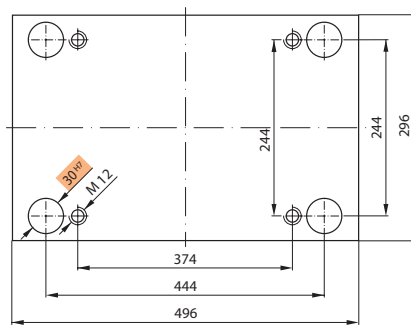
K 62-72



.../296 x 446 /	1.1730	1.2085
	■ ◆	■ ◆

K 62-72/296x446/Typ	1.1730	1.2312
1	K 62	K 72
3	K 62 K 72	

296 x 496

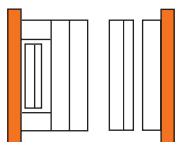


Bestellbeispiel:
Ordering example:
Exemple de commande:

K20 / 296 x 496 x 36 / 1.2767

Neu / New / Nouveau

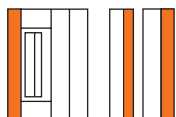
K10 K11



K10/296x496x s1 /	1.1730	1.2162	1.2085	1.2312
27	■		■	■
36	■		■	■
46	■			■

K11/296x496x s1 /	1.1730	1.2162	1.2085	1.2312
27	■		■	■
36	■		■	■
46	■			■

K15 K16

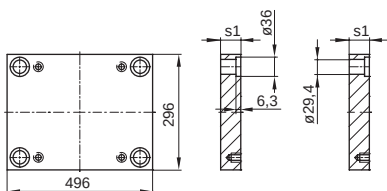
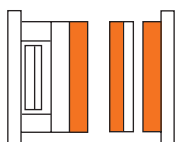


K15/296x496x s1 /	1.1730	1.2162	1.2085	1.2312
27	■		■	■

K16/296x496x s1 /	1.1730	1.2162	1.2085	1.2312
27	■		■	■

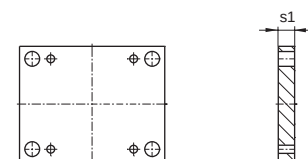
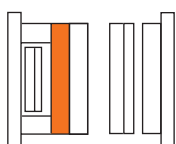
K20 K252

K20 ■ K252 ◆



.../296x496 x s1 /	1.1730	1.2162	1.2767	1.2083	1.2085	1.2311	1.2312	1.2343	1.2343 ESU/ESR	Toolox33
22	■				■		■			
27	■		◆		■	◆	■	◆		■
36	■		◆		■	◆	■	◆		■
46	■		◆		■	◆	■	◆		■
56	■		◆		■	◆	■	◆		■
66	■		◆		■	◆	■	◆		■
76	■		◆		■	◆	■	◆		■
86	■		◆		■	◆	■	◆		■
96	■		◆		■	◆	■	◆		■
106	■				■	◆	■			
116	■		◆		■	◆	■	◆		■
136	■				■	◆	■	◆		
156	■				■	◆	■	◆		

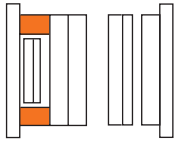
K30



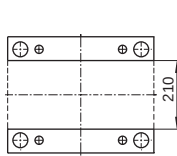
K30/296x496x s1 /	1.1730	1.2162	1.2085	1.2312
36	■		■	■
46	■		■	■
56	■		■	■

K30/296x496x s1 /	1.1730	1.2162	1.2085	1.2312
66	■		■	■
76	■			■

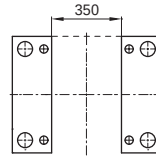
K40
K45
K42



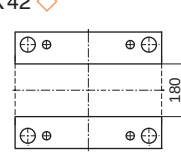
K40 ■



K45 ◆



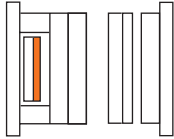
K42 ◇



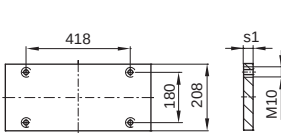
.../296x496 x s1/	1.1730	1.2085	1.2312
56	■ ◆ ◇	■ ◆	
66	■ ◇	■	
76	■ ◆ ◇	■ ◆	
86	■ ◇	■	

.../296x496 x s1/	1.1730	1.2085	1.2312
96	■ ◆ ◇	■ ◆	
116	■ ◆ ◇	■ ◆	
136	■ ◇		

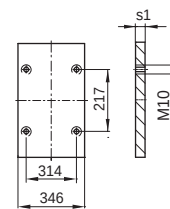
K60
K65
K62



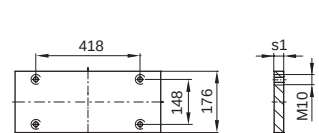
K60 ■



K65 ◆

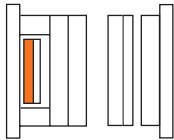


K62 ◇

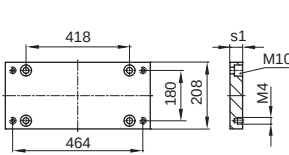


.../296x496 x s1/	1.1730	1.2085	1.2312
17	■ ◆ ◇	■ ◆	

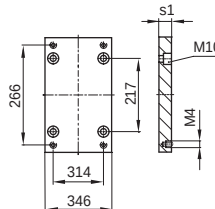
K70
K75
K72



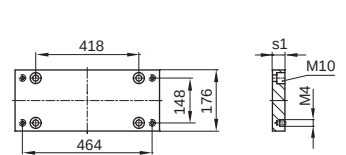
K70 ■



K75 ◆

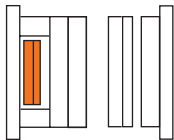


K72 ◇

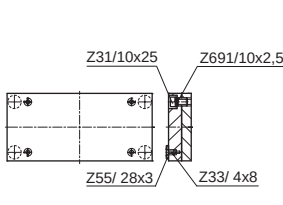


.../296x496 x s1/	1.1730	1.2085	1.2312
22	■ ◆ ◇	■ ◆	■ ◆ ◇

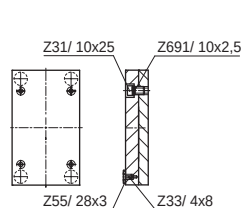
K60-70
K65-75
K62-72



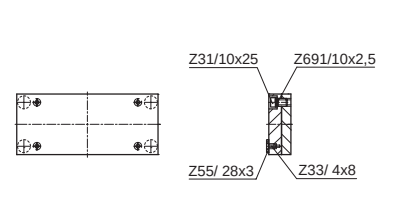
K60-70 ■



K65-75 ◆



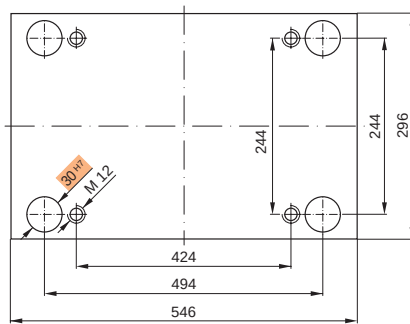
K62-72



.../296 x 496 /	1.1730	1.2085
	■ ◆	■ ◆

K62-72/296x496/Typ	1.1730	1.2312
1	K 62	K 72
3	K 62 K 72	

296 x 546

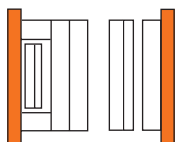


Bestellbeispiel:
Ordering example:
Exemple de commande:

K20 / 296 x 546 x 36 / 1.2767

Neu / New / Nouveau

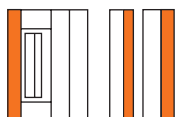
K10
K11



K10/296x546x s1 /	1.1730	1.2162	1.2085	1.2312
36	■		■	■

K11/296x546x s1 /	1.1730	1.2162	1.2085	1.2312
36	■		■	■

K15
K16

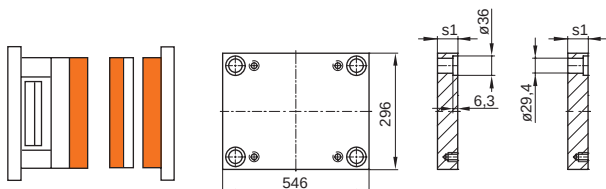


K15/296x546x s1 /	1.1730	1.2162	1.2085	1.2312
27	■		■	■

K16/296x546x s1 /	1.1730	1.2162	1.2085	1.2312
27	■		■	■

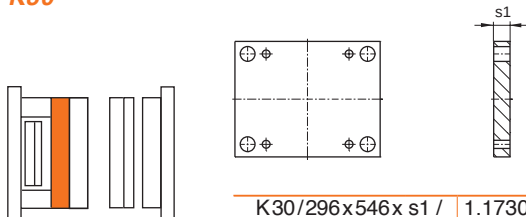
K20
K252

K20 ■ **K252** ◆



.../296x546 x s1 /	1.1730	1.2162	1.2767	1.2083	1.2085	1.2311	1.2312	1.2343	1.2343 ESU/ESR	Toolox33
27	■				■ ◆	■ ◆	■ ◆			■
36	■				■ ◆	■ ◆	■ ◆	◆		■
46	■		◆		■ ◆	■ ◆	■ ◆	◆		■
56	■		◆		■ ◆	■ ◆	■ ◆	◆		■
66	■		◆		■ ◆	■ ◆	■ ◆	◆		■
76	■				■ ◆	■ ◆	■ ◆	◆		■
86	■				■ ◆	■ ◆	■ ◆	◆		■
96	■				■ ◆	■ ◆	■ ◆	◆		■
116	■				■ ◆	■ ◆	■ ◆	◆		■
136	■				■	■	■			
156	■					■	■			

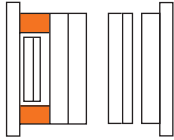
K30



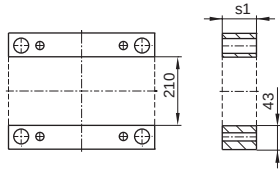
K30/296x546x s1 /	1.1730	1.2162	1.2085	1.2312
27	■		■	■
36	■		■	■
46	■		■	■

K30/296x546x s1 /	1.1730	1.2162	1.2085	1.2312
56	■		■	■
66	■		■	■
76	■			■

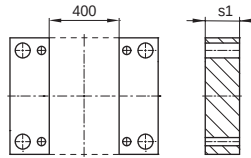
K40
K45
K42



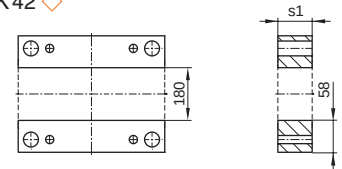
K40 ■



K45 ◆



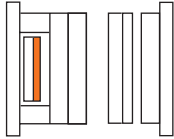
K42 ◇



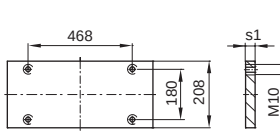
.../296x546 x s1/	1.1730	1.2085	1.2312
56	■ ◆ ◇	■ ◆	
66	■ ◇	■	
76	■ ◆ ◇	■ ◆	
86	■ ◇	■	

.../296x546 x s1/	1.1730	1.2085	1.2312
96	■ ◆ ◇	■ ◆	
116	■ ◆ ◇	■ ◆	
136	■ ◇	■	

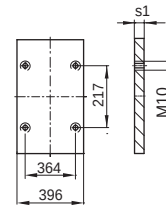
K60
K65
K62



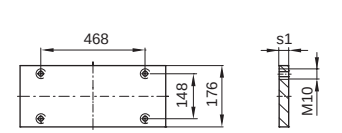
K60 ■



K65 ◆

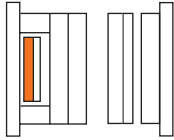


K62 ◇

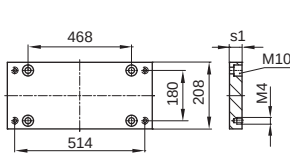


.../296x546 x s1/	1.1730	1.2085	1.2312
17	■ ◆ ◇	■ ◆	

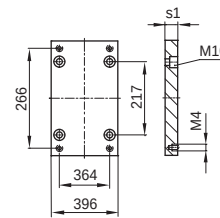
K70
K75
K72



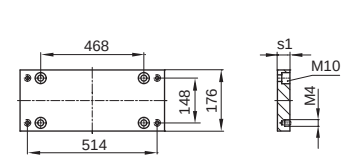
K70 ■



K75 ◆

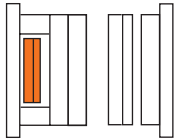


K72 ◇

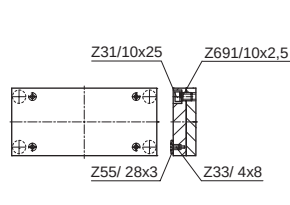


.../296x546 x s1/	1.1730	1.2085	1.2312
22	■ ◆ ◇	■ ◆	■ ◆ ◇

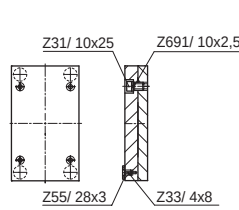
K60-70
K65-75
K62-72



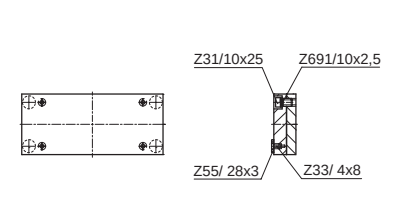
K60-70 ■



K65-75 ◆



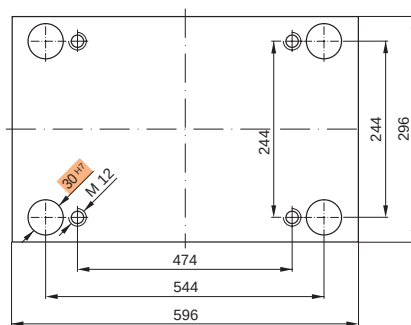
K62-72



.../296x546 /	1.1730	1.2085
	■ ◆	■ ◆

K62-72/296x546/Typ	1.1730	1.2312
1	K 62	K 72
3	K 62 K 72	

296 x 596

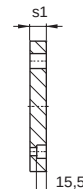
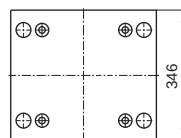
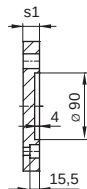
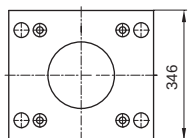
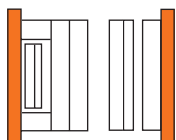


Bestellbeispiel:
Ordering example:
Exemple de commande:

K20 / 296 x 596 x 36 / 1.2767

Neu / New / Nouveau

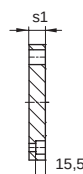
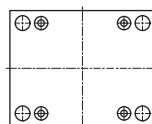
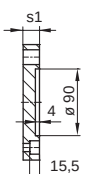
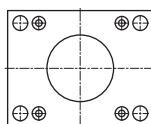
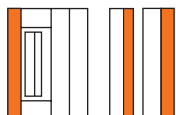
K10 K11



K10/296x596x s1 /	1.1730	1.2162	1.2085	1.2312
36	■		■	■

K11/296x596x s1 /	1.1730	1.2162	1.2085	1.2312
36	■		■	■

K15 K16

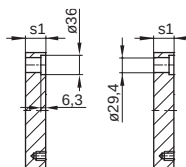
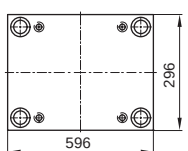
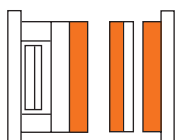


K15/296x596x s1 /	1.1730	1.2162	1.2085	1.2312
27	■		■	■

K16/296x596x s1 /	1.1730	1.2162	1.2085	1.2312
27	■		■	■

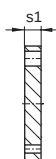
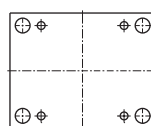
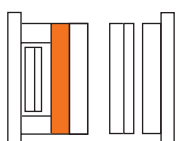
K20 K252

K20 ■ K252 ◆



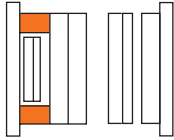
.../296x596 x s1 /	1.1730	1.2162	1.2767	1.2083	1.2085	1.2311	1.2312	1.2343	1.2343 ESU/ESR	Toolox33
27	■				■ ◆	■ ◆	■ ◆			■
36	■				■ ◆	■ ◆	■ ◆			■
46	■		◆		■ ◆	■ ◆	■ ◆	◆		■
56	■		◆		■ ◆	■ ◆	■ ◆	◆		■
66	■		◆		■ ◆	■ ◆	■ ◆	◆		■
76	■				■ ◆	■ ◆	■ ◆	◆		■
86	■				■ ◆	■ ◆	■ ◆	◆		■
96	■				■ ◆	■ ◆	■ ◆	◆		■
116	■				■ ◆	■ ◆	■ ◆	◆		■
136	■				■	■	■			
156	■					■	■			

K30

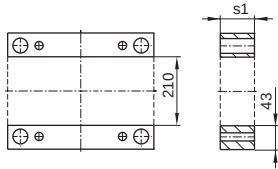


K30/296x596x s1 /	1.1730	1.2162	1.2085	1.2312
36	■		■	■
46	■		■	■
56	■			■

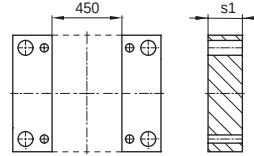
K40
K45
K42



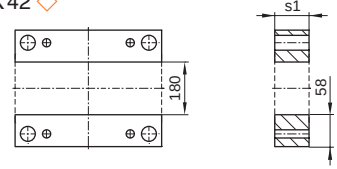
K40 ■



K45 ◆



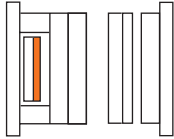
K42 ◇



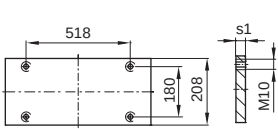
.../296x596 x s1/	1.1730	1.2085	1.2312
56	◆	◆	
66	■ ◆	■	
76	■ ◆	■ ◆	
86	■ ◆	■	

.../296x596 x s1/	1.1730	1.2085	1.2312
96	■ ◆ ◇	■ ◆	
116	■ ◆ ◇	■ ◆	
136	■ ◆	■	

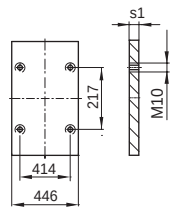
K60
K65
K62



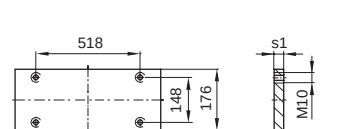
K60 ■



K65 ◆

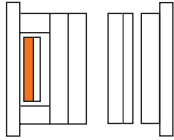


K62 ◇

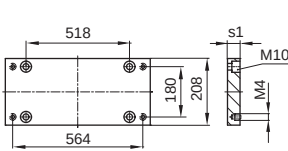


.../296x596 x s1/	1.1730	1.2085	1.2312
22	■ ◆ ◇	■ ◆	

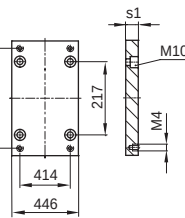
K70
K75
K72



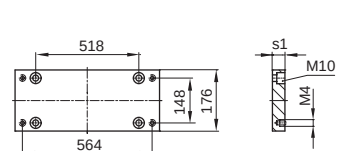
K70 ■



K75 ◆

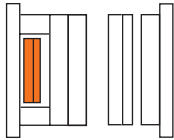


K72 ◇

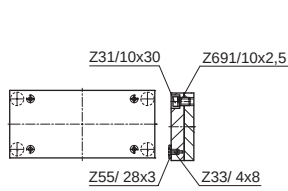


.../296x596 x s1/	1.1730	1.2085	1.2312
27	■ ◆ ◇	■ ◆	■ ◆ ◇

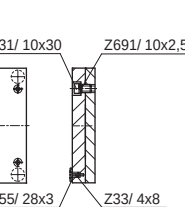
K60-70
K65-75
K62-72



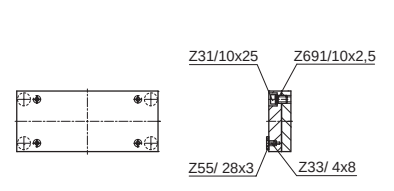
K60-70 ■



K65-75 ◆



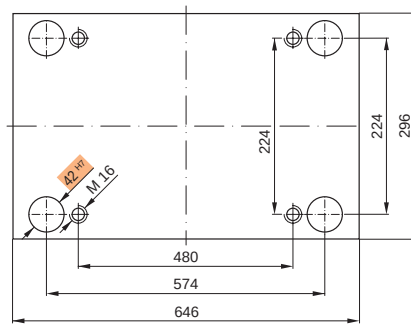
K62-72



.../296x596 /	1.1730	1.2085
	■ ◆	■ ◆

K62-72/296x596/Typ	1.1730	1.2312
1	K 62	K 72
3	K 62 K 72	

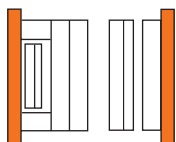
296 x 646



Bestellbeispiel:
Ordering example:
Exemple de commande:

K20 / 296 x 646 x 36 / 1.2085

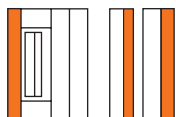
K10
K11



K10/296x646x s1 /	1.1730	1.2162	1.2085	1.2312
36	■		■	■

K11/296x646x s1 /	1.1730	1.2162	1.2085	1.2312
36	■		■	■

K15
K16

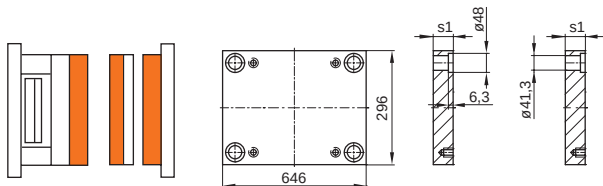


K15/296x646x s1 /	1.1730	1.2162	1.2085	1.2312
27	■		■	■

K16/296x646x s1 /	1.1730	1.2162	1.2085	1.2312
27	■		■	■

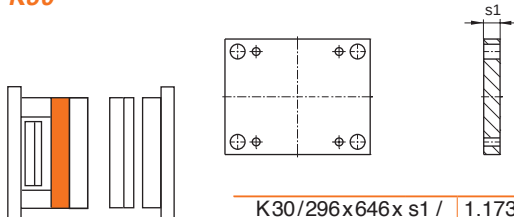
K20
K252

K20 ■ **K252** ◆



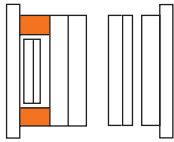
.../296x646 x s1 /	1.1730	1.2162	1.2767	1.2083	1.2085	1.2311	1.2312	1.2343	1.2343 ESU/ESR	Toolox33
27	■				■ ◆	■ ◆	■ ◆			■
36	■				■ ◆	■ ◆	■ ◆			■
46	■				■ ◆	■ ◆	■ ◆			■
56	■				■ ◆	■ ◆	■ ◆			■
66	■				■ ◆	■ ◆	■ ◆			■
76	■				■ ◆	■ ◆	■ ◆			■
86	■				■ ◆	■ ◆	■ ◆			■
96	■				■ ◆	■ ◆	■ ◆			■
116	■				■ ◆	■ ◆	■ ◆			■
136	■				■ ◆	■ ◆	■ ◆			■
156	■					■	■			

K30

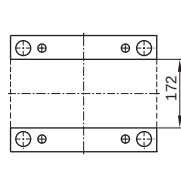


K30/296x646x s1 /	1.1730	1.2162	1.2085	1.2312
36	■		■	■
46	■		■	■
56	■			■

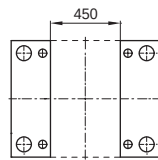
K40
K45
K42



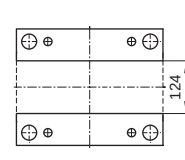
K40 ■



K45 ◆



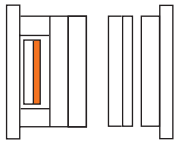
K42 ◇



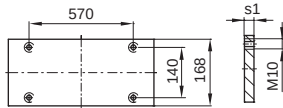
.../296x646 x s1/	1.1730	1.2085	1.2312
66	■ ◆ ◇	■ ◆	
76	■ ◆ ◇	■ ◆	
86	■ ◆ ◇	■ ◆	

.../296x646 x s1/	1.1730	1.2085	1.2312
96	■ ◆ ◇	■ ◆	
116	■ ◆ ◇	■ ◆	
136	■ ◆ ◇	■ ◆	

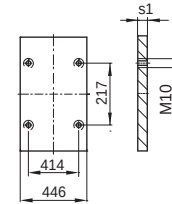
K60
K65
K62



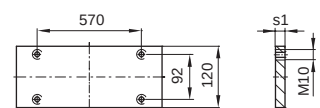
K60 ■



K65 ◆

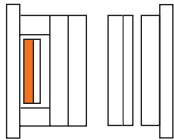


K62 ◇

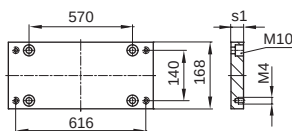


.../296x646 x s1/	1.1730	1.2085	1.2312
22	■ ◆ ◇	■ ◆	

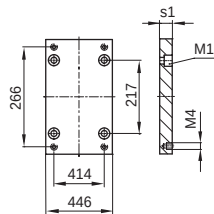
K70
K75
K72



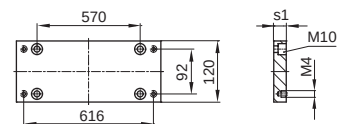
K70 ■



K75 ◆

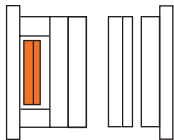


K72 ◇

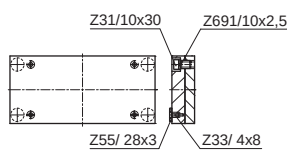


.../296x646 x s1/	1.1730	1.2085	1.2312
27	■ ◆ ◇	■ ◆	■ ◆ ◇

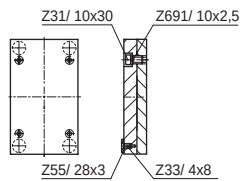
K60-70
K65-75
K62-72



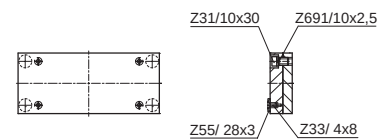
K60-70 ■



K65-75 ◆



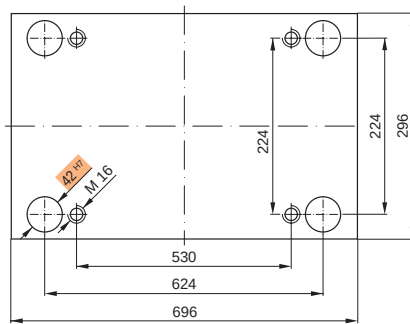
K62-72 ◇



.../296x646 /	1.1730	1.2085
	■ ◆	■ ◆

K62-72/296x646/Typ	1.1730	1.2312
1	K 62	K 72
3	K 62 K 72	

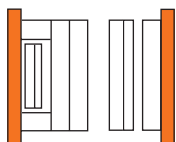
296 x 696



Bestellbeispiel:
Ordering example:
Exemple de commande:

K20 / 296 x 696 x 36 / 1.2085

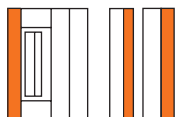
K10 K11



K10/296x696x s1 /	1.1730	1.2162	1.2085	1.2312
36	■		■	
46	■		■	■

K11/296x696x s1 /	1.1730	1.2162	1.2085	1.2312
36	■		■	
46	■		■	■

K15 K16

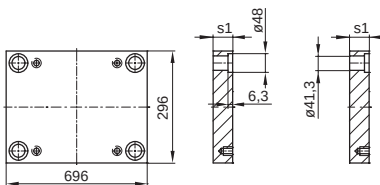
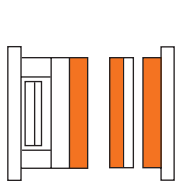


K15/296x696x s1 /	1.1730	1.2162	1.2085	1.2312
27	■		■	
36	■		■	■

K16/296x696x s1 /	1.1730	1.2162	1.2085	1.2312
27	■		■	
36	■		■	■

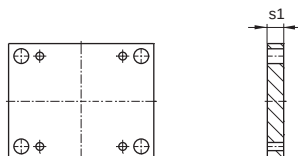
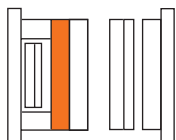
K20 K252

K20 ■ K252 ◆



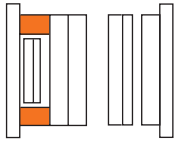
.../296x696 x s1 /	1.1730	1.2162	1.2767	1.2083	1.2085	1.2311	1.2312	1.2343	1.2343 ESU/ESR	Toolox33
27	■				■	■	■			■
36	■				■ ◆	■ ◆	■ ◆			■
46	■				■ ◆	■ ◆	■ ◆			■
56	■				■ ◆	■ ◆	■ ◆			■
66	■				■ ◆	■ ◆	■ ◆			■
76	■				■ ◆	■ ◆	■ ◆			■
86	■				■ ◆	■ ◆	■ ◆			■
96	■				■ ◆	■ ◆	■ ◆			■
116	■				■ ◆	■ ◆	■ ◆			■
136	■				■ ◆	■ ◆	■ ◆			■
156	■					■	■			

K30

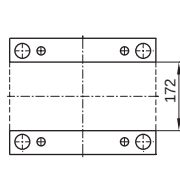


K30/296x696x s1 /	1.1730	1.2162	1.2085	1.2312
36	■		■	
46	■		■	■
56	■			■

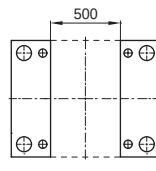
K40
K45
K42



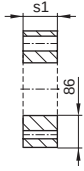
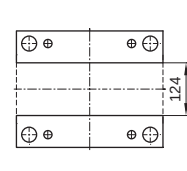
K40 ■



K45 ◆



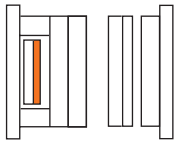
K42 ◇



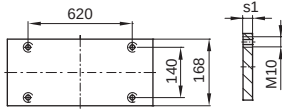
.../296x696 x s1/	1.1730	1.2085	1.2312
66	■ ◆ ◇	■ ◆	
76	■ ◆ ◇	■ ◆	
86	■ ◆ ◇	■ ◆	

.../296x696 x s1/	1.1730	1.2085	1.2312
96	■ ◆ ◇	■ ◆	
116	■ ◆ ◇	■ ◆	
136	■ ◆ ◇	■ ◆	

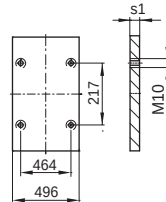
K60
K65
K62



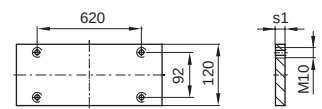
K60 ■



K65 ◆

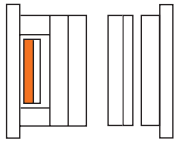


K62 ◇

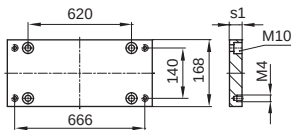


.../296x696 x s1/	1.1730	1.2085	1.2312
22	■ ◆ ◇	■ ◆	

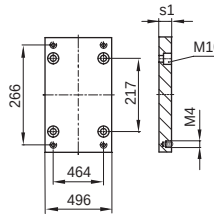
K70
K75
K72



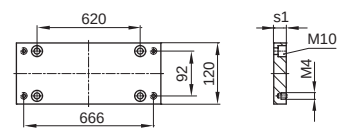
K70 ■



K75 ◆

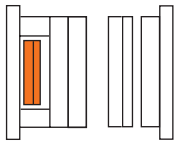


K72 ◇

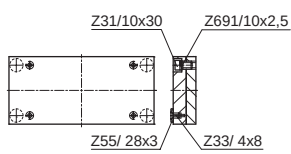


.../296x696 x s1/	1.1730	1.2085	1.2312
27	■ ◆ ◇	■ ◆	■ ◆ ◇

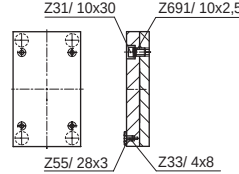
K60-70
K65-75
K62-72



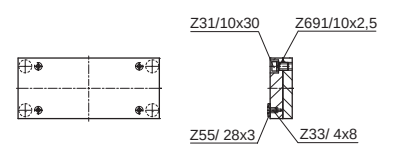
K60-70 ■



K65-75 ◆

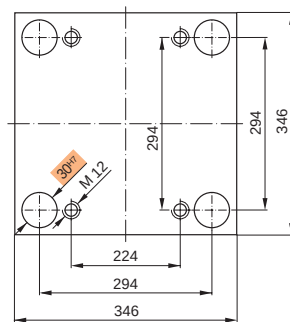


K62-72



.../296x696 /	1.1730	1.2085	K62-72/296x696/Typ	1.1730	1.2312
	■ ◆	■ ◆	1	K 62	K 72
			3	K 62 K 72	

346 x 346

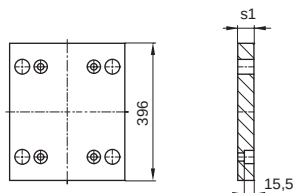
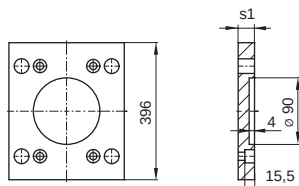


Bestellbeispiel:
Ordering example:
Exemple de commande:

K20 / 346 x 346 x 36 / 1.2767

Neu / New / Nouveau

K10
K11



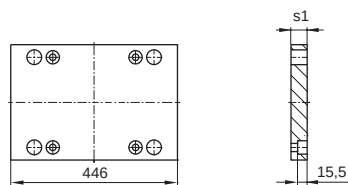
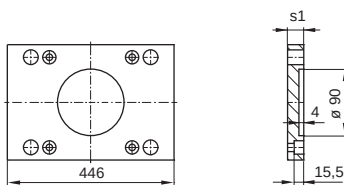
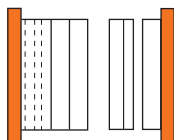
K10/346x346x s1 / 1.1730 1.2162 1.2085 1.2312

27	■		■	■
36	■		■	■
46	■		■	■

K11/346x346x s1 / 1.1730 1.2162 1.2085 1.2312

27	■		■	■
36	■		■	■
46	■		■	■

K12
K13



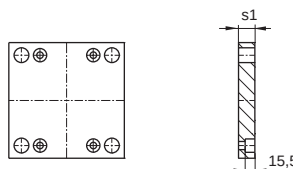
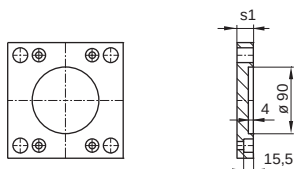
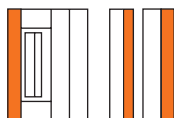
K12/346x346x s1 / 1.1730 1.2162 1.2085 1.2312

27	■		■	■
36	■		■	■

K13/346x346x s1 / 1.1730 1.2162 1.2085 1.2312

27	■		■	■
36	■		■	■

K15
K16



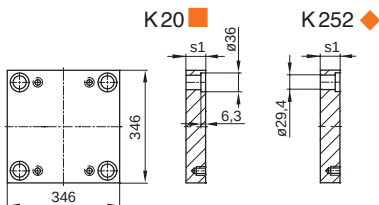
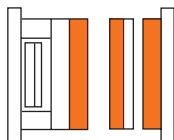
K15/346x346x s1 / 1.1730 1.2162 1.2085 1.2312

22	■		■	■
27	■		■	■

K16/346x346x s1 / 1.1730 1.2162 1.2085 1.2312

22	■	■	■	■
27	■		■	■

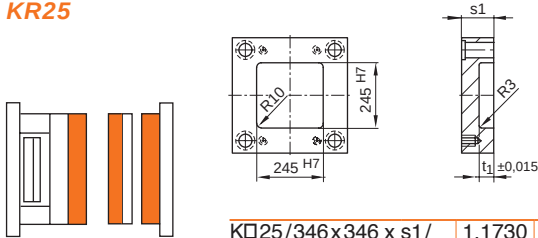
K20
K252



.../346x346 x s1/ 1.1730 1.2162 1.2767 1.2083 1.2085 1.2311 1.2312 1.2343 1.2343 ESU/ESR Toolox33

22	■		◆		■	◆	■	◆			■
27	■		◆		■	◆	■	◆	◆		■
36	■		◆	◆	■	◆	■	◆	◆	◆	■
46	■		◆	◆	■	◆	■	◆	◆	◆	■
56	■		◆	◆	■	◆	■	◆	◆	◆	■
66	■		◆	◆	■	◆	■	◆	◆	◆	■
76	■		◆	◆	■	◆	■	◆	◆	◆	■
86	■		◆	◆	■	◆	■	◆	◆	◆	■
96	■		◆	◆	■	◆	■	◆	◆	◆	■
106	■				■	◆	■	◆			
116	■		◆	◆	■	◆	■	◆	◆	◆	■
126	■				■	◆	■	◆			
136	■				■	◆	■	◆	◆		
156	■				■	◆	■	◆			
176	■				■	◆	■	◆			

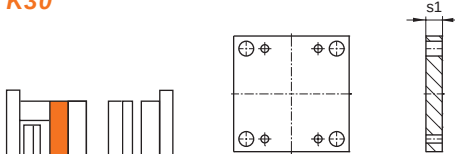
KR25



K□25/346x346 x s1/	1.1730	1.2085	1.2312	t1
46	■	■	■	21,8
56	■	■	■	26,8
66	■	■	■	26,8

K□25/346x346 x s1/	1.1730	1.2085	1.2312	t1
76	■	■	■	35,8
86	■	■	■	45,8
96	■	■	■	45,8

K30

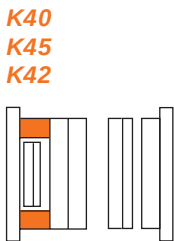


K 30/346x346 x s1/	1.1730	1.2085	1.2312
27	■	■	■
36	■	■	■
46	■	■	■
56	■	■	■

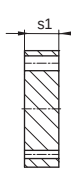
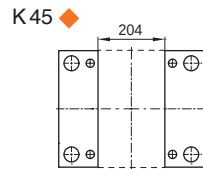
K 30/346x346 x s1/	1.1730	1.2085	1.2312
66	■	■	■
76	■	■	■
86	■	■	■



K40 K45 K42

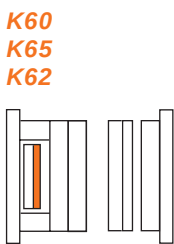


.../346x346 x s1/	1.1730	1.2085	1.2312
56	■ ◆ ◆	■ ◆	
66	■ ◆ ◆	■	
76	■ ◆ ◆	■ ◆	
86	■ ◆ ◆	■	



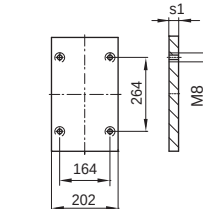
.../346x346 x s1/	1.1730	1.2085	1.2312
96	■ ◆ ◆	■ ◆	
116	■ ◆ ◆	■	
136	■ ◆ ◆	■	

K60 K65 K62

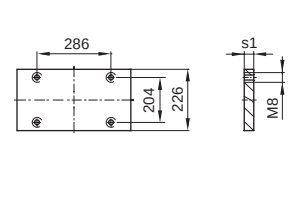


.../346x346 x s1/	1.1730	1.2085	1.2312
17	■ ◆ ◆	■ ◆	

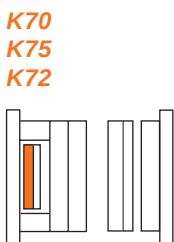
K 65 ◆



K 62 ◆

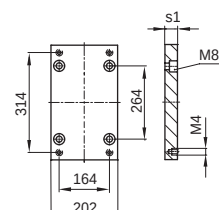


K70 K75 K72

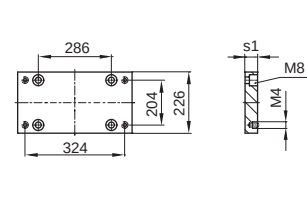


.../346x346 x s1/	1.1730	1.2085	1.2312
22	■ ◆ ◆	■ ◆	■ ◆ ◆

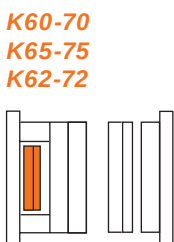
K 75 ◆



K 72 ◆

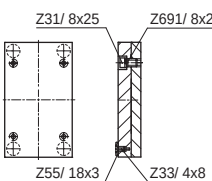


K60-70 K65-75 K62-72

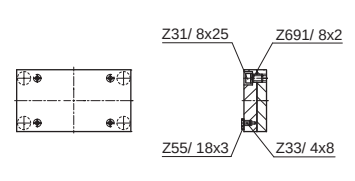


.../346x346 /	1.1730	1.2085
	■ ◆	■ ◆

K65-75 ◆

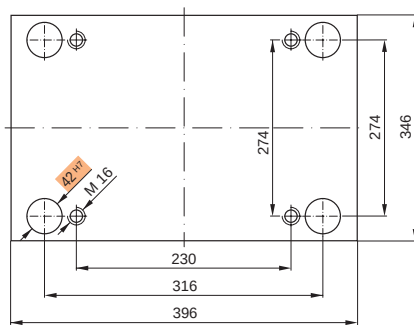


K 62-72



K62-72/346x346/Typ	1.1730	1.2312
1	K62	K72
3	K62 K72	

346 x 396

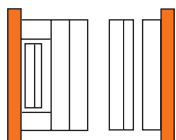


Bestellbeispiel:
Ordering example:
Exemple de commande:

K20 / 346 x 396 x 36 / 1.2767

Neu / New / Nouveau

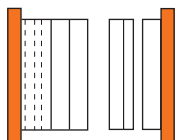
K10
K11



K10/346x396x s1 /	1.1730	1.2162	1.2085	1.2312
27	■		■	■
36	■		■	■
46	■		■	■

K11/346x396x s1 /	1.1730	1.2162	1.2085	1.2312
27	■		■	■
36	■		■	■
46	■		■	■

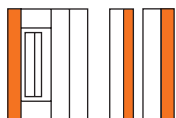
K12
K13



K12/346x396x s1 /	1.1730	1.2162	1.2085	1.2312
27	■		■	
36	■		■	■
46	■		■	■

K13/346x396x s1 /	1.1730	1.2162	1.2085	1.2312
27	■		■	
36	■		■	■
46	■		■	■

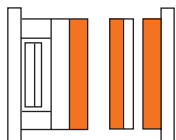
K15
K16



K15/346x396x s1 /	1.1730	1.2162	1.2085	1.2312
22	■		■	
27	■		■	■
36	■		■	■

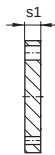
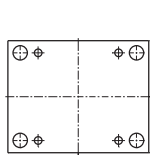
K16/346x396x s1 /	1.1730	1.2162	1.2085	1.2312
22	■	■	■	
27	■		■	■
36	■		■	■

K20
K252



.../346x396 x s1/	1.1730	1.2162	1.2767	1.2083	1.2085	1.2311	1.2312	1.2343	1.2343 ESU/ESR	Toolox33
22	■				■	■	■			■
27	■		◆		■	◆	■	◆		■
36	■		◆	◆	■	◆	■	◆	◆	■
46	■		◆	◆	■	◆	■	◆	◆	■
56	■		◆	◆	■	◆	■	◆	◆	■
66	■		◆	◆	■	◆	■	◆	◆	■
76	■		◆	◆	■	◆	■	◆	◆	■
86	■		◆	◆	■	◆	■	◆	◆	■
96	■		◆	◆	■	◆	■	◆	◆	■
106	■				■	◆	■			
116	■		◆	◆	■	◆	■	◆	◆	■
126	■				■	◆	■			
136	■				■	◆	■	◆		
156	■				■	◆	■			
176	■				■	◆	■			

K30



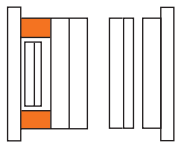
K 30/346x396 x s1/	1.1730	1.2085	1.2312
27	■	■	■
36	■	■	■
46	■	■	■
56	■	■	■

K 30/346x396 x s1/	1.1730	1.2085	1.2312
66	■	■	■
76	■	■	■
86	■	■	■

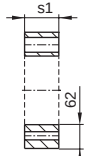
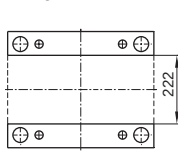
K 40

K 45

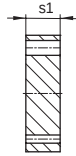
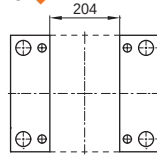
K 42



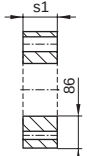
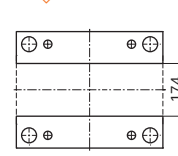
K 40 ■



K 45 ◆



K 42 ◇



.../346x396 x s1/	1.1730	1.2085	1.2312
56	■ ◆ ◇	■ ◆	
66	■ ◆ ◇	■ ◆	
76	■ ◆ ◇	■ ◆	
86	■ ◆ ◇	■ ◆	

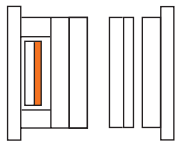
.../346x396 x s1/	1.1730	1.2085	1.2312
96	■ ◆ ◇	■ ◆	
116	■ ◆ ◇	■ ◆	
136	■ ◆ ◇	■ ◆	



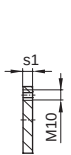
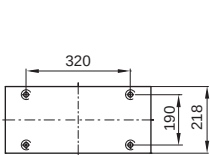
K60

K65

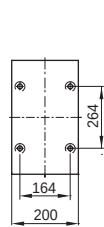
K62



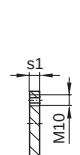
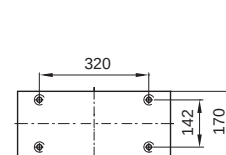
K 60 ■



K 65 ◆



K 62 ◇

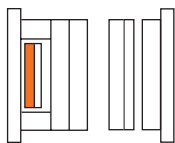


.../346x396 x s1/	1.1730	1.2085	1.2312
17	■ ◆ ◇	■ ◆	

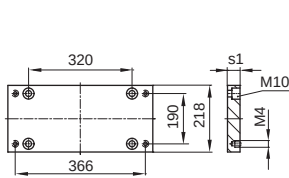
K70

K75

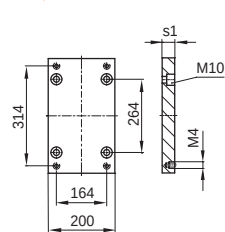
K72



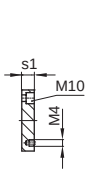
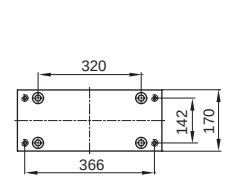
K 70 ■



K 75 ◆



K 72 ◇

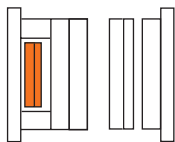


.../346x396 x s1/	1.1730	1.2085	1.2312
22	■ ◆ ◇	■ ◆	■ ◆ ◇

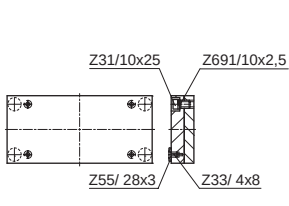
K60-70

K65-75

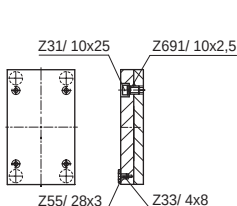
K62-72



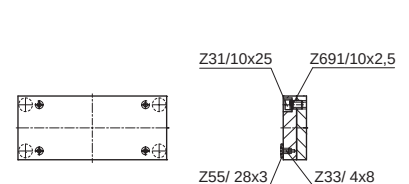
K 60-70 ■



K 65-75 ◆



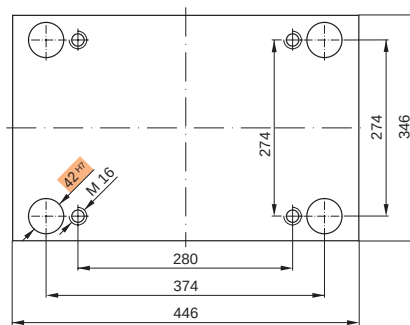
K 62-72 ◇



.../346x396 /	1.1730	1.2085
	■ ◆	■ ◆

K 62-72/346x396/Typ	1.1730	1.2312
1	K 62	K 72
3	K 62 K 72	

346 x 446

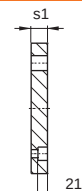
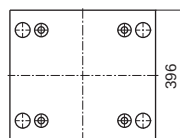
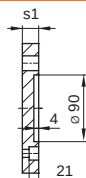
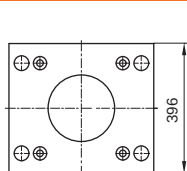


Bestellbeispiel:
Ordering example:
Exemple de commande:

K20 / 346 x 446 x 36 / 1.2767

Neu / New / Nouveau

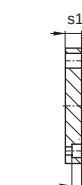
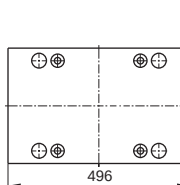
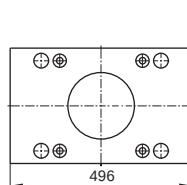
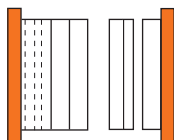
K10
K11



K10/346x446x s1 /	1.1730	1.2162	1.2085	1.2312
27	■		■	■
36	■		■	■
46	■		■	■

K11/346x446x s1 /	1.1730	1.2162	1.2085	1.2312
27	■		■	■
36	■		■	■
46	■		■	■

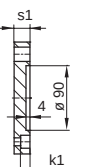
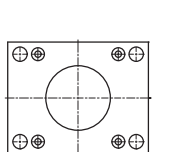
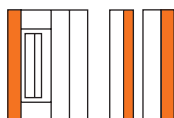
K12
K13



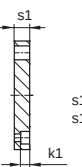
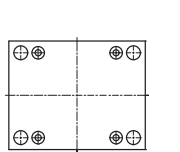
K12/346x446x s1 /	1.1730	1.2162	1.2085	1.2312
27	■		■	
36	■		■	
46	■		■	

K13/346x446x s1 /	1.1730	1.2162	1.2085	1.2312
27	■		■	
36	■		■	
46	■		■	

K15
K16



s1=22: k1=17,5
s1=27: k1=21

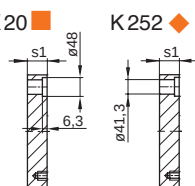
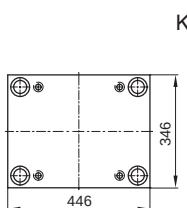
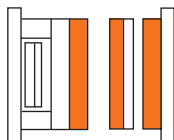


s1= 22 : k1= 17,5
s1= 27 : k1= 21

K15/346x446x s1 /	1.1730	1.2162	1.2085	1.2312
22	■		■	
27	■		■	■
36	■		■	■

K16/346x446x s1 /	1.1730	1.2162	1.2085	1.2312
22	■		■	
27	■		■	■
36	■		■	■

K20
K252

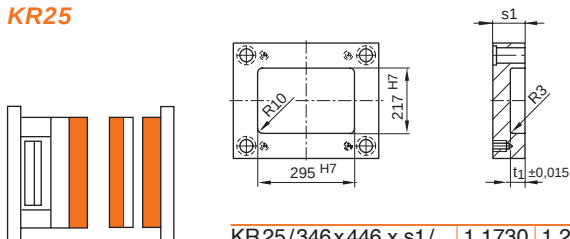


K20 ■

K252 ◆

.../346x446 x s1/	1.1730	1.2162	1.2767	1.2083	1.2085	1.2311	1.2312	1.2343	1.2343 ESU/ESR	Toolox33
22	■				■	■	■			■
27	■		◆		■	◆	■	◆		■
36	■		◆	◆	■	◆	■	◆	◆	■
46	■		◆	◆	■	◆	■	◆	◆	■
56	■		◆	◆	■	◆	■	◆	◆	■
66	■		◆	◆	■	◆	■	◆	◆	■
76	■		◆	◆	■	◆	■	◆	◆	■
86	■		◆	◆	■	◆	■	◆	◆	■
96	■		◆	◆	■	◆	■	◆	◆	■
106	■				■	◆	■			
116	■		◆	◆	■	◆	■	◆	◆	■
126	■				■	◆	■			
136	■				■	◆	■	◆		
156	■				■	◆	■			
176	■				■	◆	■			

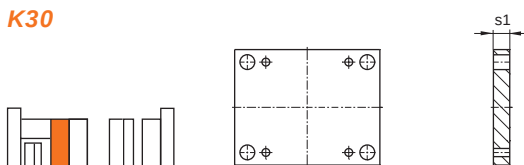
KR25



KR25/346x446 x s1/	1.1730	1.2085	1.2312	t1
46	■	■	■	21,8
56	■	■	■	26,8
66	■	■	■	26,8

KR25/346x446 x s1/	1.1730	1.2085	1.2312	t1
76	■	■	■	35,8
86	■	■	■	45,8
96	■	■	■	45,8

K30



K 30/346x446 x s1/	1.1730	1.2085	1.2312
27	■	■	■
36	■	■	■
46	■	■	■
56	■	■	■

K 30/346x446 x s1/	1.1730	1.2085	1.2312
66	■	■	■
76	■	■	■
86	■	■	■
96	■	■	■

K40

K45

K42

...	346x446 x s1/	1.1730	1.2085	1.2312
	56	■ ◆ ◇	■ ◆	
	66	■ ◆ ◇	■ ◆	
	76	■ ◆ ◇	■ ◆	
	86	■ ◆ ◇	■ ◆	

...	346x446 x s1/	1.1730	1.2085	1.2312
	96	■ ◆ ◇	■ ◆	
	116	■ ◆ ◇	■ ◆	
	136	■ ◆ ◇	■ ◆	
	156	■ ◆	■ ◆	

K60

K65

K62

...	346x446 x s1/	1.1730	1.2085	1.2312
	17	■ ◆ ◇	■ ◆	

K70

K75

K72

...	346x446 x s1/	1.1730	1.2085	1.2312
	22	■ ◆ ◇	■ ◆	■ ◆ ◇

K60-70

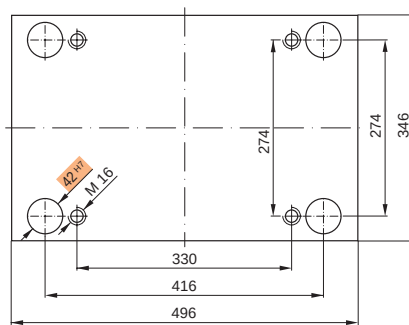
K65-75

K62-72

...	346x446 /	1.1730	1.2085
		■ ◆	■ ◆

K62-72/346x446/Typ	1.1730	1.2312
1	K62	K72
3	K62 K72	

346 x 496

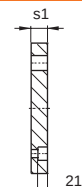
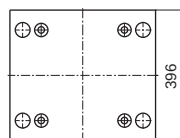
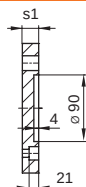
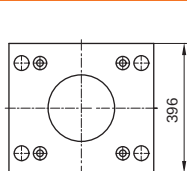


Bestellbeispiel:
Ordering example:
Exemple de commande:

K20 / 346 x 496 x 36 / 1.2767

Neu / New / Nouveau

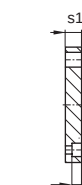
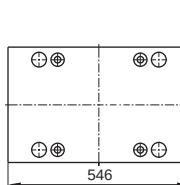
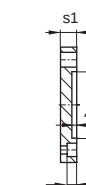
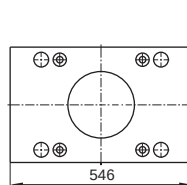
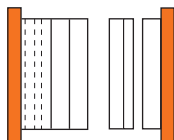
K10
K11



K10/346x496x s1 /	1.1730	1.2162	1.2085	1.2312
27	■		■	■
36	■		■	■
46	■		■	■

K11/346x496x s1 /	1.1730	1.2162	1.2085	1.2312
27	■		■	■
36	■		■	■
46	■		■	■

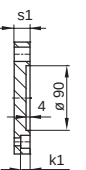
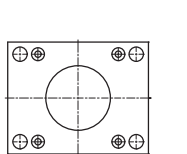
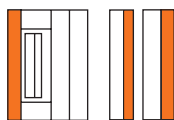
K12
K13



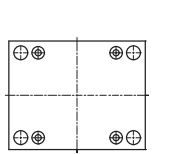
K12/346x496x s1 /	1.1730	1.2162	1.2085	1.2312
27	■		■	
36	■		■	
46	■		■	

K13/346x496x s1 /	1.1730	1.2162	1.2085	1.2312
27	■		■	
36	■		■	
46	■		■	

K15
K16



s1=22: k1=17,5
s1=27: k1=21

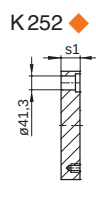
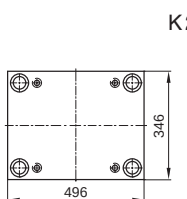
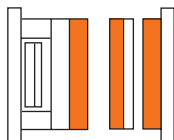


s1= 22 : k1= 17,5
s1= 27 : k1= 21

K15/346x496x s1 /	1.1730	1.2162	1.2085	1.2312
22	■		■	
27	■		■	■
36	■		■	■

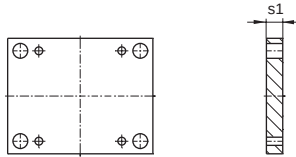
K16/346x496x s1 /	1.1730	1.2162	1.2085	1.2312
22	■		■	
27	■		■	■
36	■		■	■

K20
K252



.../346x496 x s1/	1.1730	1.2162	1.2767	1.2083	1.2085	1.2311	1.2312	1.2343	1.2343 ESU/ESR	Toolox33
22	■				■		■			■
27	■		◆		■	◆	■	◆		■
36	■		◆		■	◆	■	◆		■
46	■		◆	◆	■	◆	■	◆	◆	■
56	■		◆	◆	■	◆	■	◆	◆	■
66	■		◆	◆	■	◆	■	◆	◆	■
76	■		◆	◆	■	◆	■	◆	◆	■
86	■		◆	◆	■	◆	■	◆	◆	■
96	■		◆	◆	■	◆	■	◆	◆	■
106	■		◆	◆	■	◆	■	◆	◆	■
116	■		◆	◆	■	◆	■	◆	◆	■
126	■		◆	◆	■	◆	■	◆	◆	■
136	■		◆	◆	■	◆	■	◆	◆	■
156	■		◆	◆	■	◆	■	◆	◆	■
176	■		◆	◆	■	◆	■	◆	◆	■

K30



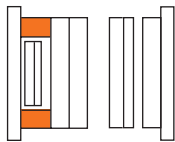
K 30/346x496 x s1/	1.1730	1.2085	1.2312
27	■	■	■
36	■	■	■
46	■	■	■
56	■	■	■

K 30/346x496 x s1/	1.1730	1.2085	1.2312
66	■	■	■
76	■	■	■
86	■	■	■
96	■	■	■

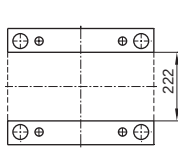
K40

K45

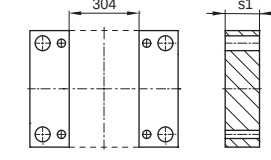
K42



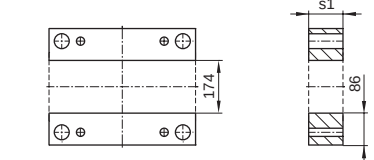
K40



K45



K42



.../346x496 x s1/	1.1730	1.2085	1.2312
56	■	■	■
66	■	■	■
76	■	■	■
86	■	■	■

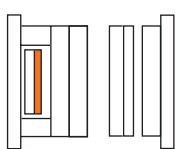
.../346x496 x s1/	1.1730	1.2085	1.2312
96	■	■	■
116	■	■	■
136	■	■	■
156	■	■	■



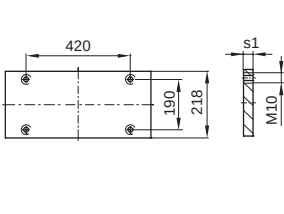
K60

K65

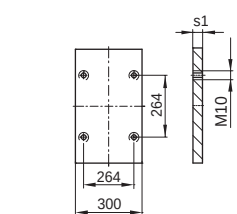
K62



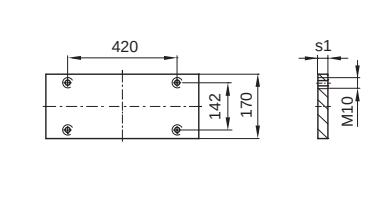
K60



K65



K62

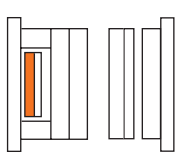


.../346x496 x s1/	1.1730	1.2085	1.2312
17	■	■	■

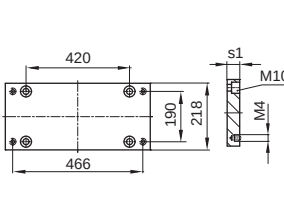
K70

K75

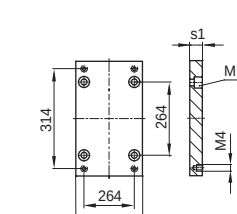
K72



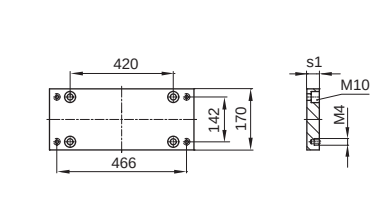
K70



K75



K72

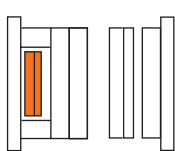


.../346x496 x s1/	1.1730	1.2085	1.2312
22	■	■	■

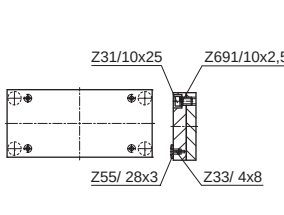
K60-70

K65-75

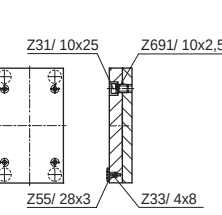
K62-72



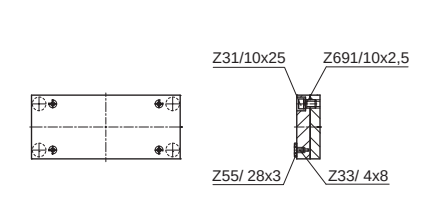
K60-70



K65-75



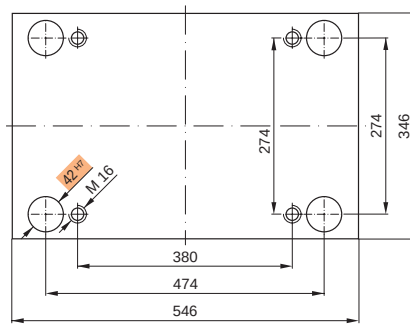
K62-72



.../346x496 /	1.1730	1.2085
	■	■

K62-72/346x496/Typ	1.1730	1.2312
1	K 62	K 72
3	K 62 K 72	

346 x 546

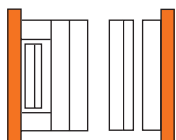


Bestellbeispiel:
Ordering example:
Exemple de commande:

K20 / 346 x 546 x 36 / 1.2162

Neu / New / Nouveau

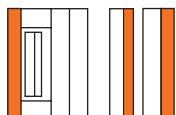
K10 K11



K10/346x546x s1 /	1.1730	1.2162	1.2085	1.2312
36	■		■	■
46	■		■	■

K11/346x546x s1 /	1.1730	1.2162	1.2085	1.2312
36	■		■	■
46	■		■	■

K15 K16

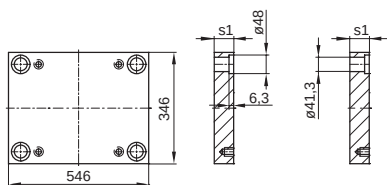
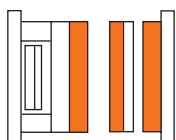


K15/346x546x s1 /	1.1730	1.2162	1.2085	1.2312
27	■		■	■
36	■		■	■

K16/346x546x s1 /	1.1730	1.2162	1.2085	1.2312
27	■		■	■
36	■		■	■

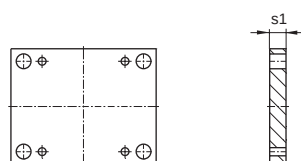
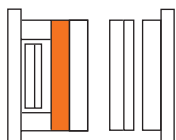
K20 K252

K20 ■ K252 ◆



.../346x546 x s1 /	1.1730	1.2162	1.2767	1.2083	1.2085	1.2311	1.2312	1.2343	1.2343 ESU/ESR	Toolox33
22	■				■		■			
27	■				■ ◆	■	■ ◆			■
36	■				■ ◆	■ ◆	■ ◆	◆		■
46	■		◆		■ ◆	■ ◆	■ ◆	◆		■
56	■		◆		■ ◆	■ ◆	■ ◆	◆	◆	■
66	■		◆		■ ◆	■ ◆	■ ◆	◆		■
76	■		◆		■ ◆	■ ◆	■ ◆	◆	◆	■
86	■		◆		■ ◆	■ ◆	■ ◆	◆		■
96	■		◆		■ ◆	■ ◆	■ ◆	◆	◆	■
116	■				■ ◆	■ ◆	■ ◆	◆	◆	■
136	■				■ ◆	■ ◆	■ ◆	◆	◆	
156	■				■ ◆	■ ◆	■ ◆			
176						■	■			

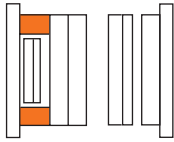
K30



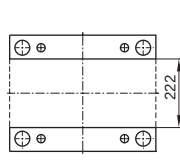
K30/346x546x s1 /	1.1730	1.2162	1.2085	1.2312
36	■		■	■
46	■		■	■
56	■		■	■

K30/346x546x s1 /	1.1730	1.2162	1.2085	1.2312
66	■		■	■
76	■			■
86	■			■

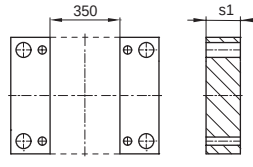
K40
K45
K42



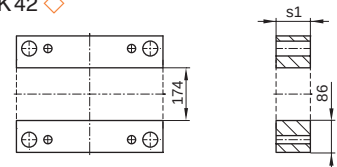
K40 ■



K45 ◆



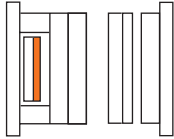
K42 ◇



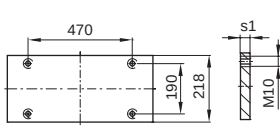
.../346x546 x s1/	1.1730	1.2085	1.2312
56	◆	◆	
66	■ ◆ ◇	■ ◆	
76	■ ◆ ◇	■ ◆	
86	■ ◆ ◇	■ ◆	

.../346x546 x s1/	1.1730	1.2085	1.2312
96	■ ◆ ◇	■ ◆	
116	■ ◆ ◇	■ ◆	
136	■ ◆ ◇	■ ◆	
156	■ ◆ ◇	■ ◆	

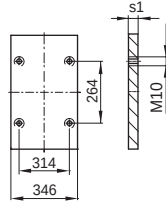
K60
K65
K62



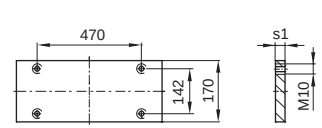
K60 ■



K65 ◆

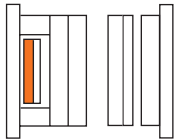


K62 ◇

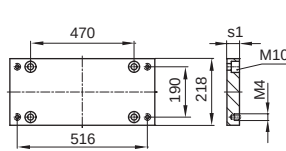


.../346x546 x s1/	1.1730	1.2085	1.2312
22	■ ◆ ◇	■ ◆	

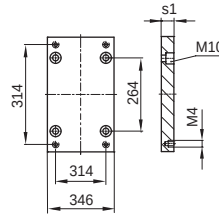
K70
K75
K72



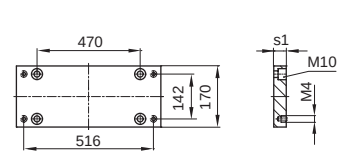
K70 ■



K75 ◆

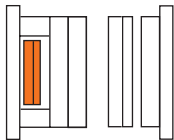


K72 ◇

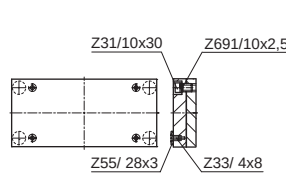


.../346x546 x s1/	1.1730	1.2085	1.2312
27	■ ◆ ◇	■ ◆	■ ◆ ◇

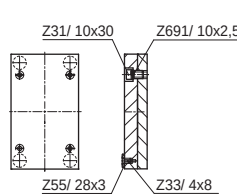
K60-70
K65-75
K62-72



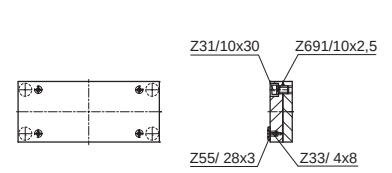
K60-70 ■



K65-75 ◆



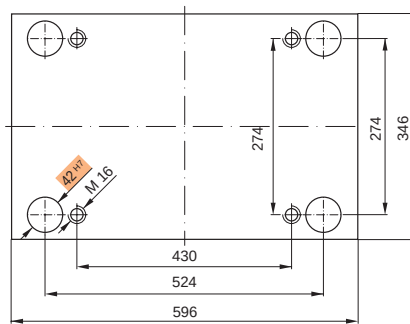
K62-72



.../346x546 /	1.1730	1.2085
	■ ◆	■ ◆

K62-72/346x546/Typ	1.1730	1.2312
1	K 62	K 72
3	K 62 K 72	

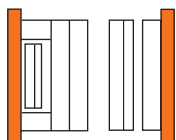
346 x 596



Bestellbeispiel:
Ordering example:
Exemple de commande:

K20 / 346 x 596 x 36 / 1.2162

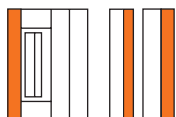
K10 K11



K10/346x596x s1 /	1.1730	1.2162	1.2085	1.2312
36	■		■	
46	■		■	■

K11/346x596x s1 /	1.1730	1.2162	1.2085	1.2312
36	■		■	
46	■		■	■

K15 K16

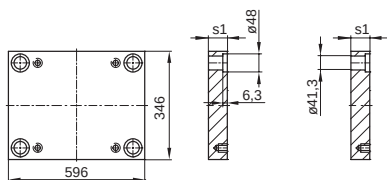
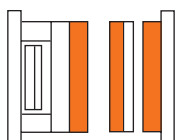


K15/346x596x s1 /	1.1730	1.2162	1.2085	1.2312
27	■		■	
36	■		■	■

K16/346x596x s1 /	1.1730	1.2162	1.2085	1.2312
27	■		■	
36	■		■	■

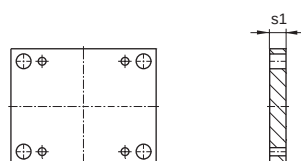
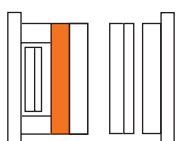
K20 K252

K20 ■ K252 ◆



.../346x596 x s1 /	1.1730	1.2162	1.2767	1.2083	1.2085	1.2311	1.2312	1.2343	1.2343 ESU/ES□	Toolox33
22	■				■		■			
27	■				■ ◆	■ ◆	■ ◆			■
36	■				■ ◆	■ ◆	■ ◆	◆		■
46	■				■ ◆	■ ◆	■ ◆	◆		■
56	■				■ ◆	■ ◆	■ ◆	◆	◆	■
66	■				■ ◆	■ ◆	■ ◆	◆	◆	■
76	■				■ ◆	■ ◆	■ ◆	◆	◆	■
86	■				■ ◆	■ ◆	■ ◆	◆	◆	■
96	■				■ ◆	■ ◆	■ ◆	◆	◆	■
116	■				■ ◆	■ ◆	■ ◆	◆	◆	■
136	■				■ ◆	■ ◆	■ ◆	◆	◆	
156	■				■ ◆	■ ◆	■ ◆			
176	■					■	■			

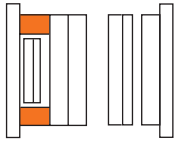
K30



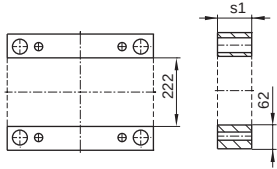
K30/346x596x s1 /	1.1730	1.2162	1.2085	1.2312
36	■		■	■
46	■		■	■
56	■		■	■

K30/346x596x s1 /	1.1730	1.2162	1.2085	1.2312
66	■		■	■
76	■			■

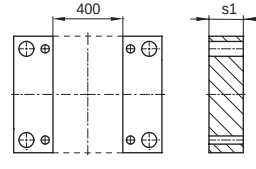
K40
K45
K42



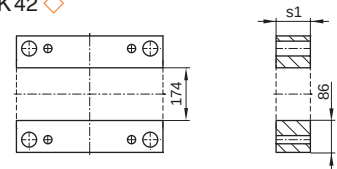
K40 ■



K45 ◆



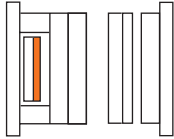
K42 ◇



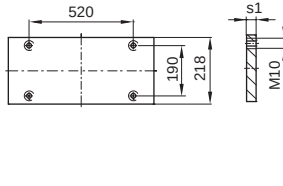
.../346x596 x s1/	1.1730	1.2085	1.2312
56	◆	◆	
66	■ ◆ ◇	■ ◆	
76	■ ◆ ◇	■ ◆	
86	■ ◆ ◇	■ ◆	

.../346x596 x s1/	1.1730	1.2085	1.2312
96	■ ◆ ◇	■ ◆	
116	■ ◆ ◇	■ ◆	
136	■ ◆ ◇	■ ◆	
156	■ ◆ ◇	■ ◆	

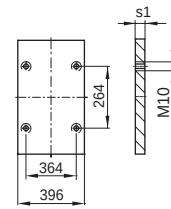
K60
K65
K62



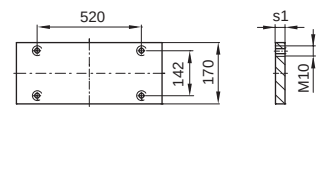
K60 ■



K65 ◆

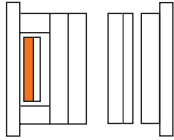


K62 ◇

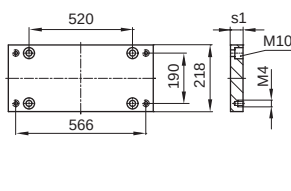


.../346x596 x s1/	1.1730	1.2085	1.2312
22	■ ◆ ◇	■ ◆	

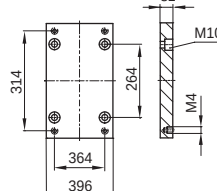
K70
K75
K72



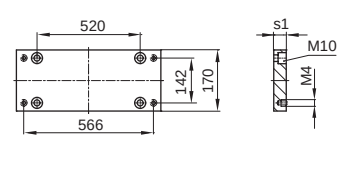
K70 ■



K75 ◆

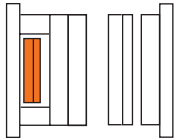


K72 ◇

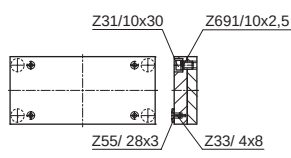


.../346x596 x s1/	1.1730	1.2085	1.2312
27	■ ◆ ◇	■ ◆	■ ◆ ◇

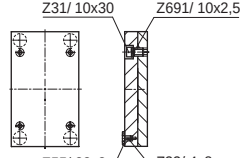
K60-70
K65-75
K62-72



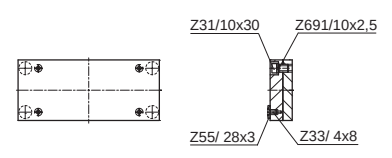
K60-70 ■



K65-75 ◆



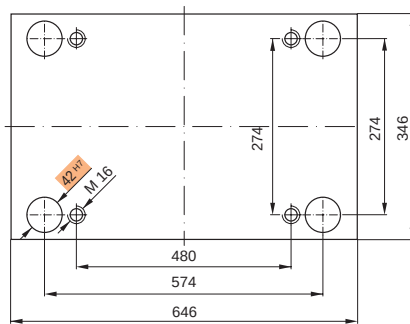
K62-72



.../346x596 /	1.1730	1.2085
	■ ◆	■ ◆

K62-72/346x596/Typ	1.1730	1.2312
1	K 62	K 72
3	K 62 K 72	

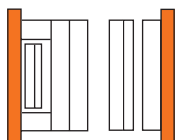
346 x 646



Bestellbeispiel:
Ordering example:
Exemple de commande:

K20 / 346 x 646 x 36 / 1.2085

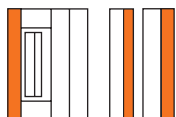
K10 K11



K10/346x646x s1 /	1.1730	1.2162	1.2085	1.2312
36	■		■	
46	■		■	■

K11/346x646x s1 /	1.1730	1.2162	1.2085	1.2312
36	■		■	
46	■		■	■

K15 K16

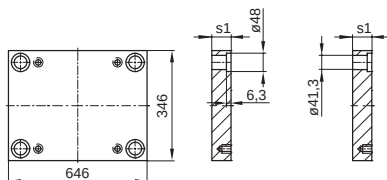
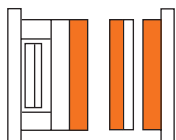


K15/346x646x s1 /	1.1730	1.2162	1.2085	1.2312
27	■		■	
36	■		■	■

K16/346x646x s1 /	1.1730	1.2162	1.2085	1.2312
27	■		■	
36	■		■	■

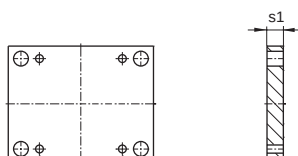
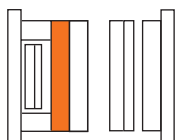
K20 K252

K20 ■ K252 ◆



.../346x646 x s1 /	1.1730	1.2162	1.2767	1.2083	1.2085	1.2311	1.2312	1.2343	1.2343 ESU/ESR	Toolox33
22	■				■		■			
27	■				■ ◆		■ ◆			■
36	■				■ ◆	■ ◆	■ ◆			■
46	■				■ ◆	■ ◆	■ ◆			■
56	■				■ ◆	■ ◆	■ ◆			■
66	■				■ ◆	■ ◆	■ ◆			■
76	■				■ ◆	■ ◆	■ ◆			■
86	■				■ ◆	■ ◆	■ ◆			■
96	■				■ ◆	■ ◆	■ ◆			■
116	■				■ ◆	■ ◆	■ ◆			■
136	■				■ ◆	■ ◆	■ ◆			
156	■				■ ◆	■ ◆	■ ◆			
176	■					■	■			

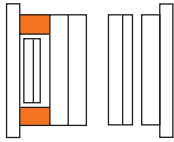
K30



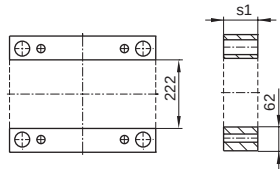
K30/346x646x s1 /	1.1730	1.2162	1.2085	1.2312
36	■		■	
46	■		■	■
56	■		■	■

K30/346x646x s1 /	1.1730	1.2162	1.2085	1.2312
66	■			■
76	■			■

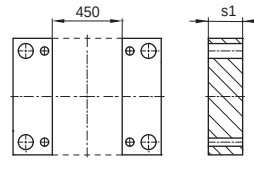
K40
K45
K42



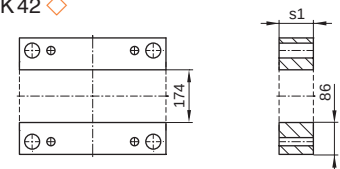
K40 ■



K45 ◆



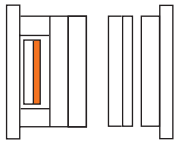
K42 ◇



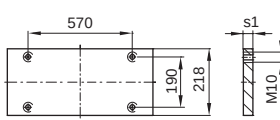
.../346x646 x s1/	1.1730	1.2085	1.2312
56	◆	◆	
66	■ ◆ ◇	■ ◆	
76	■ ◆ ◇	■ ◆	
86	■ ◆ ◇	■ ◆	

.../346x646 x s1/	1.1730	1.2085	1.2312
96	■ ◆ ◇	■ ◆	
116	■ ◆ ◇	■ ◆	
136	■ ◆ ◇	■ ◆	
156	■ ◆ ◇	■ ◆	

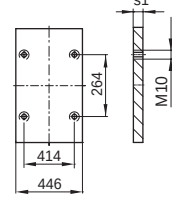
K60
K65
K62



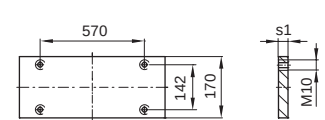
K60 ■



K65 ◆

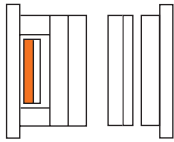


K62 ◇

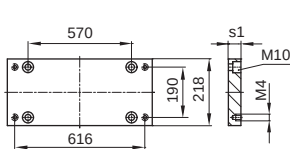


.../346x646 x s1/	1.1730	1.2085	1.2312
22	■ ◆ ◇	■ ◆	

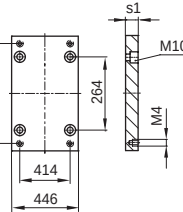
K70
K75
K72



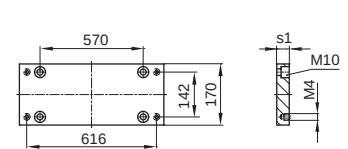
K70 ■



K75 ◆

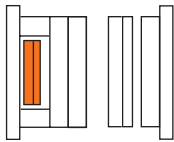


K72 ◇

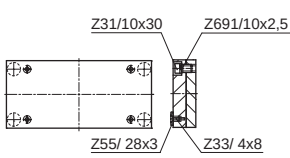


.../346x646 x s1/	1.1730	1.2085	1.2312
27	■ ◆ ◇	■ ◆	■ ◆ ◇

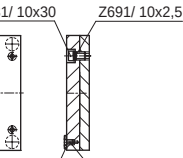
K60-70
K65-75
K62-72



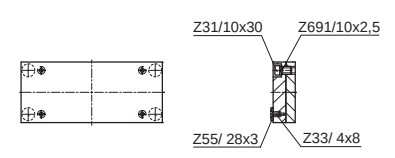
K60-70 ■



K65-75 ◆



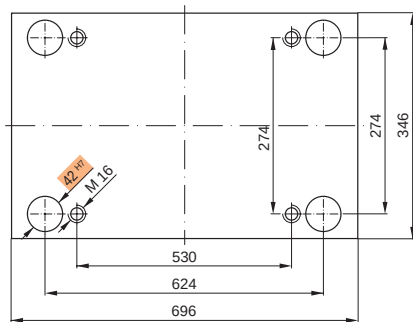
K62-72



.../346x646 /	1.1730	1.2085
	■ ◆	■ ◆

K62-72/346x646/Typ	1.1730	1.2312
1	K 62	K 72
3	K 62 K 72	

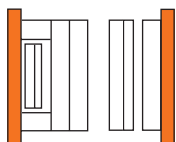
346 x 696



Bestellbeispiel:
Ordering example:
Exemple de commande:

K20 / 346 x 696 x 36 / 1.2085

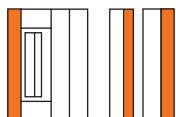
K10 K11



K10/346x696x s1 /	1.1730	1.2162	1.2085	1.2312
36	■		■	
46	■		■	■

K11/346x696x s1 /	1.1730	1.2162	1.2085	1.2312
36	■		■	
46	■		■	■

K15 K16

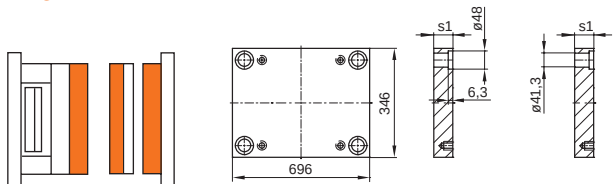


K15/346x696x s1 /	1.1730	1.2162	1.2085	1.2312
27	■		■	
36	■		■	■

K16/346x696x s1 /	1.1730	1.2162	1.2085	1.2312
27	■		■	
36	■		■	■

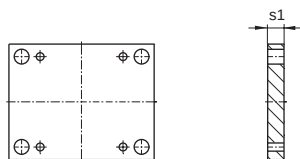
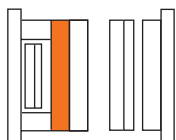
K20 K252

K20 ■ K252 ◆



.../346x696 x s1 /	1.1730	1.2162	1.2767	1.2083	1.2085	1.2311	1.2312	1.2343	1.2343 ESU/ESR	Toolox33
22	■				■		■			
27	■				■		■			■
36	■				■	◆	■	◆		■
46	■				■	◆	■	◆		■
56	■				■	◆	■	◆		■
66	■				■	◆	■	◆		■
76	■				■	◆	■	◆		■
86	■				■	◆	■	◆		■
96	■				■	◆	■	◆		■
116	■				■	◆	■	◆		■
136	■				■	◆	■	◆		■
156	■				■	◆	■	◆		■
176						■				

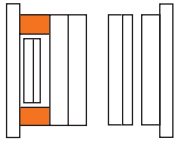
K30



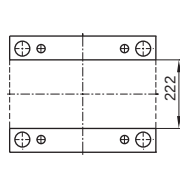
K30/346x696x s1 /	1.1730	1.2162	1.2085	1.2312
36	■		■	
46	■		■	■
56	■		■	■

K30/346x696x s1 /	1.1730	1.2162	1.2085	1.2312
66	■			■
76	■			■

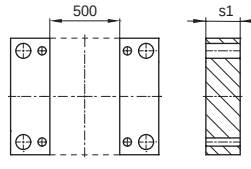
K40
K45
K42



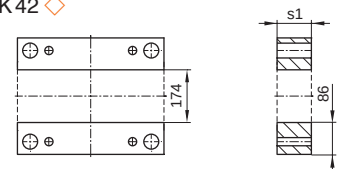
K40 ■



K45 ◆



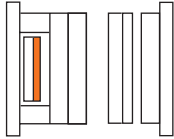
K42 ◇



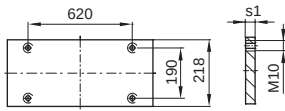
.../346x696 x s1/	1.1730	1.2085	1.2312
56	◆	◆	
66	◆ ◇	◆	
76	■ ◆ ◇	■ ◆	
86	■ ◆ ◇	■ ◆	

.../346x696 x s1/	1.1730	1.2085	1.2312
96	■ ◆ ◇	■ ◆	
116	■ ◆ ◇	■ ◆	
136	■ ◆ ◇	■ ◆	
156	■ ◆ ◇	■ ◆	

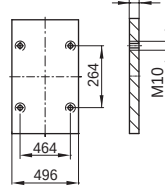
K60
K65
K62



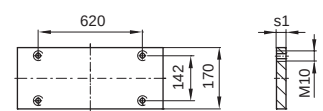
K60 ■



K65 ◆

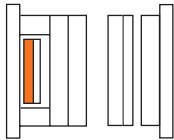


K62 ◇

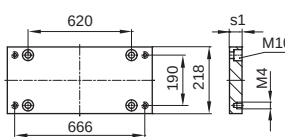


.../346x696 x s1/	1.1730	1.2085	1.2312
22	■ ◆ ◆	■ ◆	

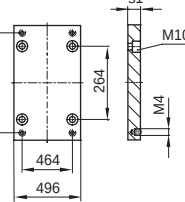
K70
K75
K72



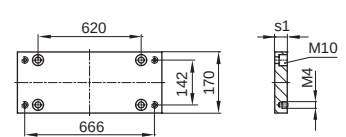
K70 ■



K75 ◆

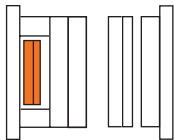


K72 ◇

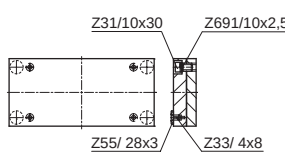


.../346x696 x s1/	1.1730	1.2085	1.2312
27	■ ◆ ◇	■ ◆	■ ◆ ◇

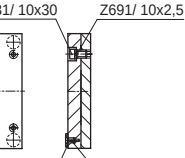
K60-70
K65-75
K62-72



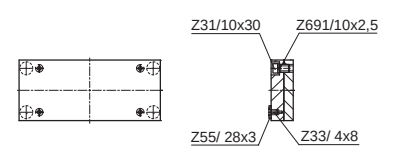
K60-70 ■



K65-75 ◆



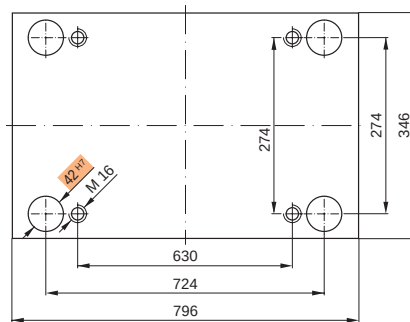
K62-72



.../346x696 /	1.1730	1.2085
	■ ◆	■ ◆

K62-72/346x696/Typ	1.1730	1.2312
1	K 62	K 72
3	K 62 K 72	

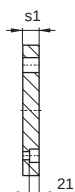
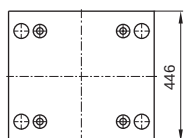
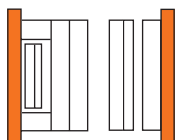
346 x 796



Bestellbeispiel:
Ordering example:
Exemple de commande:

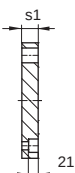
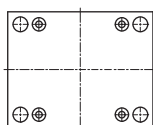
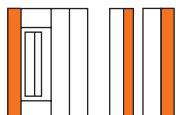
K20 / 346 x 796 x 36 / 1.2085

K11



K11/346x796x s1 /	1.1730	1.2162	1.2085	1.2312
46	■		■	
56	■		■	■

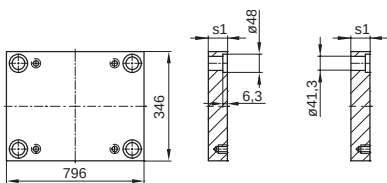
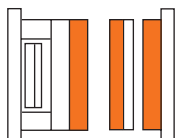
K16



K16/346x796x s1 /	1.1730	1.2162	1.2085	1.2312
36	■		■	
46	■		■	■

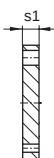
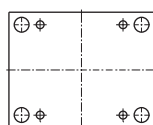
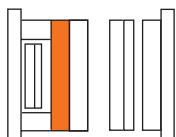
K20 K252

K20 ■ K252 ◆



.../346x796 x s1 /	1.1730	1.2162	1.2767	1.2083	1.2085	1.2311	1.2312	1.2343	1.2343 ESU/ESR	Toolox33
22	■				■		■			
27	■				■ ◆	■ ◆	■ ◆			■
36	■				■ ◆	■ ◆	■ ◆			■
46	■				■ ◆	■ ◆	■ ◆			■
56	■				■ ◆	■ ◆	■ ◆			■
66	■				■ ◆	■ ◆	■ ◆			■
76	■				■ ◆	■ ◆	■ ◆			■
86	■				■ ◆	■ ◆	■ ◆			■
96	■				■ ◆	■ ◆	■ ◆			■
116	■				■ ◆	■ ◆	■ ◆			■
136	■				■ ◆	■ ◆	■ ◆			
156	■				■ ◆	■ ◆	■ ◆			
176						■	■			

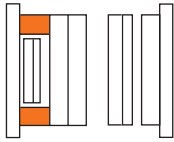
K30



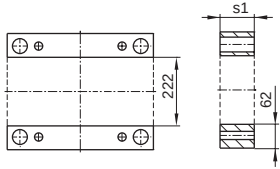
K30/346x796x s1 /	1.1730	1.2162	1.2085	1.2312
36	■		■	
46	■		■	■
56	■		■	■

K30/346x796x s1 /	1.1730	1.2162	1.2085	1.2312
66	■			■
76	■			■

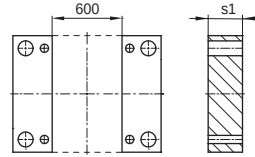
K40
K45
K42



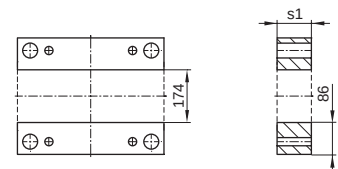
K40



K45



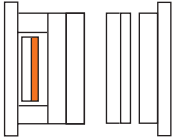
K42



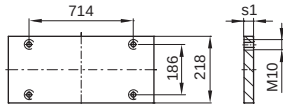
.../346x796 x s1/	1.1730	1.2085	1.2312
56	◆	◆	
66	◆	◆	
76	◆	◆	
86	◆	◆	

.../346x796 x s1/	1.1730	1.2085	1.2312
96	◆	◆	
116	◆	◆	
136	◆	◆	
156	◆	◆	

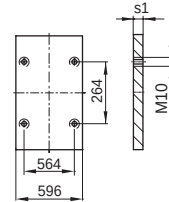
K60
K65
K62



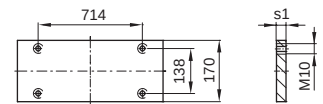
K60



K65

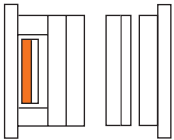


K62

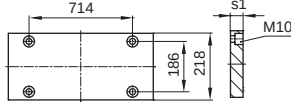


.../346x796 x s1/	1.1730	1.2085	1.2312
22	◆	◆	

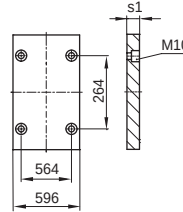
K70
K75
K72



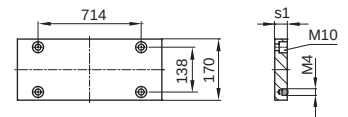
K70



K75

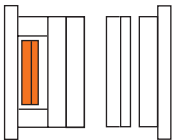


K72

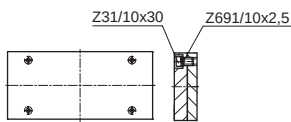


.../346x796 x s1/	1.1730	1.2085	1.2312
27	◆	◆	◆

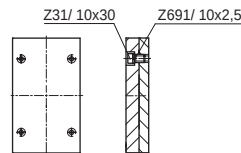
K60-70
K65-75
K62-72



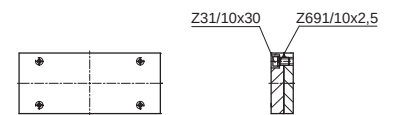
K60-70



K65-75



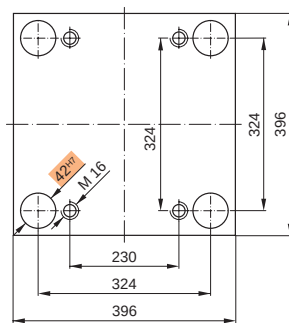
K62-72



.../346x796 /	1.1730	1.2085
	◆	◆

K62-72/346x796/Typ	1.1730	1.2312
1	K 62	K 72
3	K 62 K 72	

396 x 396



Bestellbeispiel:
Ordering example:
Exemple de commande:

K20 / 396 x 396 x 36 / 1.2767

Neu / New / Nouveau

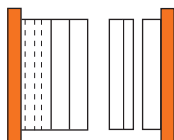
K10
K11



K10/396x396x s1 /	1.1730	1.2162	1.2085	1.2312
27	■		■	■
36	■		■	■
46	■		■	■

K11/396x396x s1 /	1.1730	1.2162	1.2085	1.2312
27	■		■	■
36	■		■	■
46	■		■	■

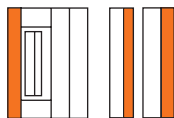
K12
K13



K12/396x396x s1 /	1.1730	1.2162	1.2085	1.2312
27	■		■	
36	■		■	■
46	■		■	■

K13/396x396x s1 /	1.1730	1.2162	1.2085	1.2312
27	■		■	
36	■		■	■
46	■		■	■

K15
K16

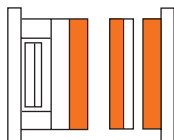


K15/396x396x s1 /	1.1730	1.2162	1.2085	1.2312
22	■		■	
27	■		■	■
36	■		■	■

K16/396x396x s1 /	1.1730	1.2162	1.2085	1.2312
22	■	■	■	
27	■		■	■
36	■		■	■

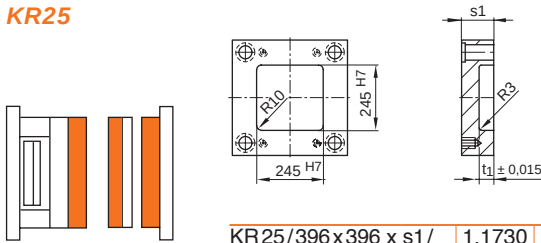
s1= 22 : k1=17,5
s1≥ 27 : k1=21

K20
K252



.../396x396 x s1/	1.1730	1.2162	1.2767	1.2083	1.2085	1.2311	1.2312	1.2343	1.2343 ESU/ESR	Toolox33
22	■				■	■	■			■
27	■		◆		■	◆	■	◆		■
36	■		◆		■	◆	■	◆		■
46	■		◆		■	◆	■	◆		■
56	■		◆		■	◆	■	◆	◆	■
66	■		◆		■	◆	■	◆		■
76	■		◆		■	◆	■	◆	◆	■
86	■		◆		■	◆	■	◆		■
96	■		◆		■	◆	■	◆	◆	■
106	■				■	◆	■			■
116	■		◆		■	◆	■	◆	◆	■
126	■				■	◆	■			■
136	■				■	◆	■	◆		■
156	■				■	◆	■			■
176	■				■	◆	■			■

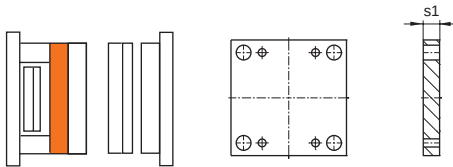
KR25



KR25/396x396 x s1/	1.1730	1.2085	1.2312	t1
56	■	■	■	26,8
66	■	■	■	26,8
76	■	■	■	35,8

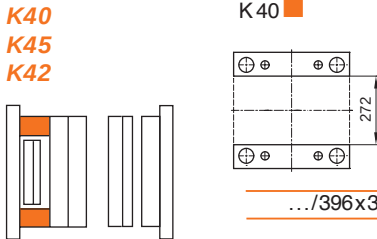
KR25/396x396 x s1/	1.1730	1.2085	1.2312	t1
86	■	■	■	45,8
96	■	■	■	45,8
116	■	■	■	55,8

K30

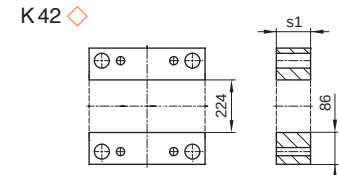
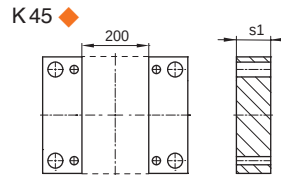


K 30/396x396 x s1/	1.1730	1.2085	1.2312
27	■	■	■
36	■	■	■
46	■	■	■
56	■	■	■
66	■	■	■
76	■	■	■
86	■	■	■
96	■	■	■
116	■	■	■

K40 K45 K42

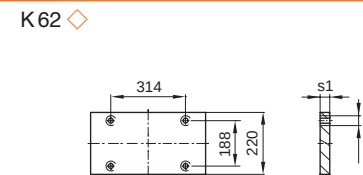
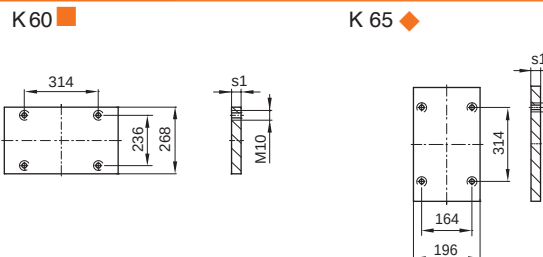
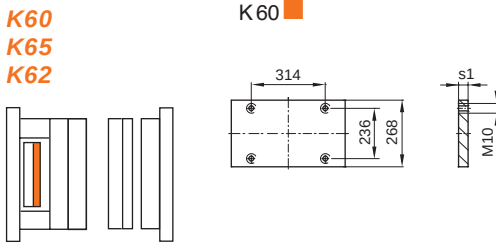


.../396x396 x s1/	1.1730	1.2085	1.2312
56	■ ◆ ◆	■ ◆	
66	■ ◆ ◆	■ ◆	
76	■ ◆ ◆	■ ◆	
86	■ ◆ ◆	■ ◆	



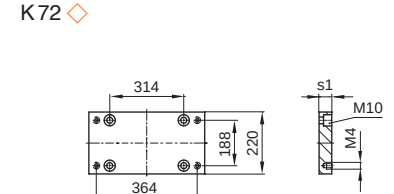
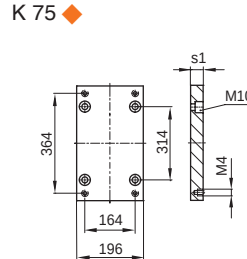
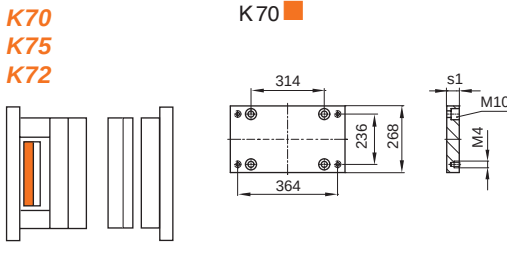
.../396x396 x s1/	1.1730	1.2085	1.2312
96	■ ◆ ◆	■ ◆	
116	■ ◆ ◆	■ ◆	
136	■ ◆ ◆	■ ◆	
156	■ ◆ ◆	■ ◆	

K60 K65 K62



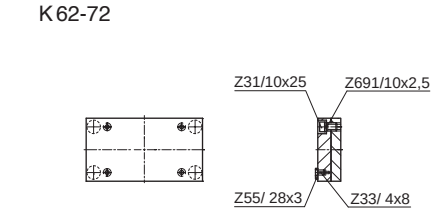
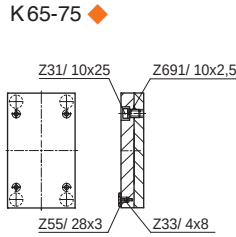
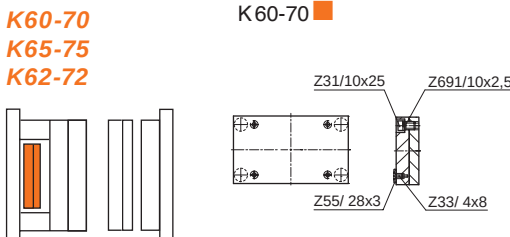
.../396x396 x s1/	1.1730	1.2085	1.2312
17	■ ◆ ◆	■ ◆	

K70 K75 K72



.../396x396 x s1/	1.1730	1.2085	1.2312
22	■ ◆ ◆	■ ◆	■ ◆ ◆

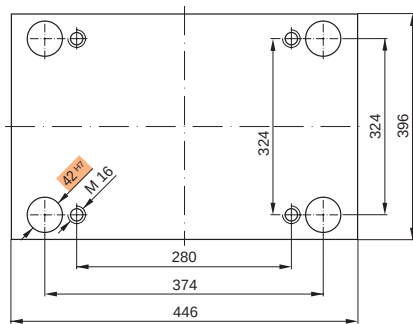
K60-70 K65-75 K62-72



.../396x396 /	1.1730	1.2085
	■ ◆	■ ◆

K62-72/396x396/Typ	1.1730	1.2312
1	K62	K72
3	K62 K72	

396 x 446

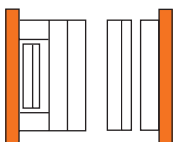


Bestellbeispiel:
Ordering example:
Exemple de commande:

K20 / 396 x 446 x 36 / 1.2162

Neu / New / Nouveau

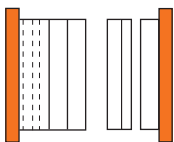
K10
K11



K10/396x446x s1 /	1.1730	1.2162	1.2085	1.2312
27	■		■	
36	■		■	■
46	■		■	■

K11/396x446x s1 /	1.1730	1.2162	1.2085	1.2312
27	■		■	
36	■		■	■
46	■		■	■

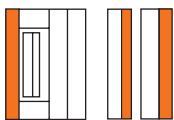
K12
K13



K12/396x446x s1 /	1.1730	1.2162	1.2085	1.2312
27	■		■	
36	■		■	■
46	■		■	■

K13/396x446x s1 /	1.1730	1.2162	1.2085	1.2312
27	■		■	
36	■		■	■
46	■		■	■

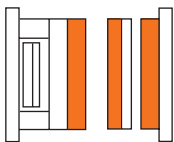
K15
K16



K15/396x446x s1 /	1.1730	1.2162	1.2085	1.2312
27	■		■	■
36	■		■	■

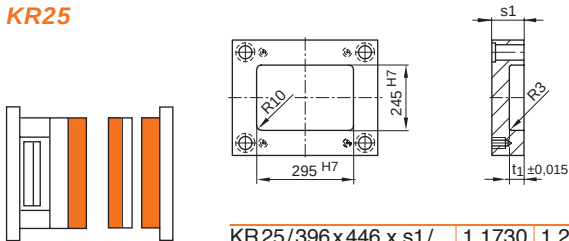
K16/396x446x s1 /	1.1730	1.2162	1.2085	1.2312
27	■		■	■
36	■		■	■

K20
K252



.../396x446 x s1 /	1.1730	1.2162	1.2767	1.2083	1.2085	1.2311	1.2312	1.2343	1.2343 ESU/ESR	Toolox33
22	■				■		■			
27	■				■	■	■	■		■
36	■		◆		■	■	■	■		■
46	■		◆		■	■	■	■		■
56	■		◆		■	■	■	■	◆	■
66	■		◆		■	■	■	■		■
76	■		◆		■	■	■	■	◆	■
86	■		◆		■	■	■	■		■
96	■		◆		■	■	■	■	◆	■
106	■				■	■	■	■		
116	■		◆		■	■	■	■	◆	■
126	■				■	■	■	■		
136	■				■	■	■	■		
156	■				■	■	■	■		
176	■				■	■	■	■		

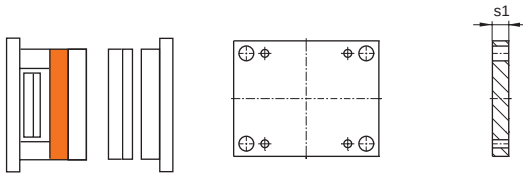
KR25



KR25/396x446 x s1/	1.1730	1.2085	1.2312	t1
56	■	■	■	26,8
66	■	■	■	26,8
76	■	■	■	35,8

KR25/396x446 x s1/	1.1730	1.2085	1.2312	t1
86	■	■	■	45,8
96	■	■	■	45,8
116	■	■	■	55,8

K30



K 30/396x446 x s1/	1.1730	1.2085	1.2312
27	■	■	■
36	■	■	■
46	■	■	■
56	■	■	■
66	■	■	■
76	■	■	■
86	■	■	■
96	■	■	■
116	■	■	■

K40 K45 K42

...	K 40 ■	K 45 ◆	K 42 ◇
...	396x446 x s1/	396x446 x s1/	396x446 x s1/
56	■ ◆ ◇	■ ◆	■ ◆
66	■ ◆ ◇	■ ◆	■ ◆
76	■ ◆ ◇	■ ◆	■ ◆
86	■ ◆ ◇	■ ◆	■ ◆
96	■ ◆ ◇	■ ◆	■ ◆
116	■ ◆ ◇	■ ◆	■ ◆
136	■ ◆ ◇	■ ◆	■ ◆
156	■ ◆ ◇	■ ◆	■ ◆

K60 K65 K62

...	K 60 ■	K 65 ◆	K 62 ◇
...	396x446 x s1/	396x446 x s1/	396x446 x s1/
17	■ ◆ ◇	■ ◆	■ ◆

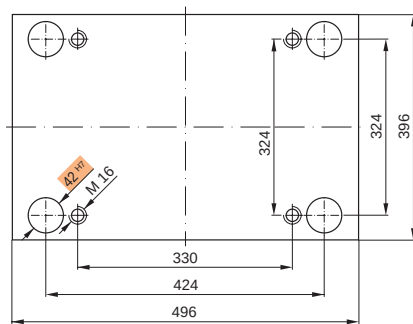
K70 K75 K72

...	K 70 ■	K 75 ◆	K 72 ◇
...	396x446 x s1/	396x446 x s1/	396x446 x s1/
22	■ ◆ ◇	■ ◆	■ ◆ ◇

K60-70 K65-75 K62-72

...	K 60-70 ■	K 65-75 ◆	K 62-72 ◇
...	396x446 /	396x446 /	396x446 / Typ
1	■ ◆	■ ◆	K 62
3	■ ◆	■ ◆	K 62 K 72

396 x 496



Bestellbeispiel:
Ordering example:
Exemple de commande:

K20 / 396 x 496 x 36 / 1.2162

Neu / New / Nouveau

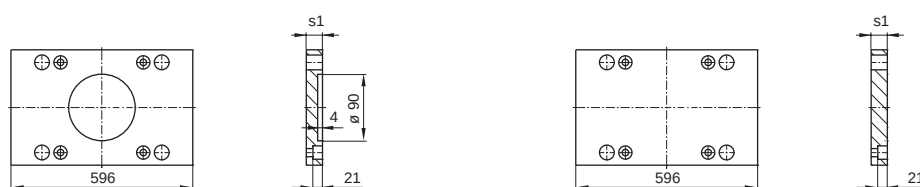
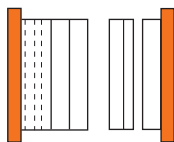
K10
K11



K10/396x496x s1 /	1.1730	1.2162	1.2085	1.2312
36	■		■	■
46	■		■	■

K11/396x496x s1 /	1.1730	1.2162	1.2085	1.2312
36	■		■	■
46	■		■	■

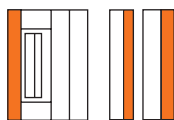
K12
K13



K12/396x496x s1 /	1.1730	1.2162	1.2085	1.2312
36	■		■	
46	■		■	■

K13/396x496x s1 /	1.1730	1.2162	1.2085	1.2312
36	■		■	
46	■		■	■

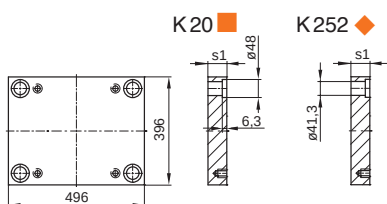
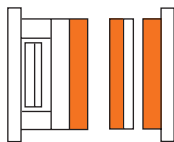
K15
K16



K15/396x496x s1 /	1.1730	1.2162	1.2085	1.2312
27	■		■	■
36	■		■	■

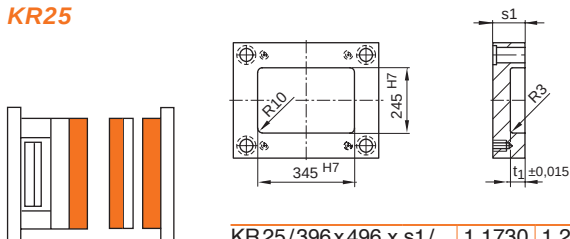
K16/396x496x s1 /	1.1730	1.2162	1.2085	1.2312
27	■		■	■
36	■		■	■

K20
K252



.../396x496 x s1 /	1.1730	1.2162	1.2767	1.2083	1.2085	1.2311	1.2312	1.2343	1.2343 ESU/ESR	Toolox33
22	■				■		■			
27	■		◆		■	◆	■	◆		■
36	■		◆		■	◆	■	◆		■
46	■		◆		■	◆	■	◆		■
56	■		◆		■	◆	■	◆	◆	■
66	■		◆		■	◆	■	◆	◆	■
76	■		◆		■	◆	■	◆	◆	■
86	■		◆		■	◆	■	◆	◆	■
96	■		◆		■	◆	■	◆	◆	■
106	■				■	◆	■			
116	■		◆		■	◆	■	◆	◆	■
126	■				■	◆	■			
136	■				■	◆	■	◆	◆	
156	■				■	◆	■			
176						■	■			

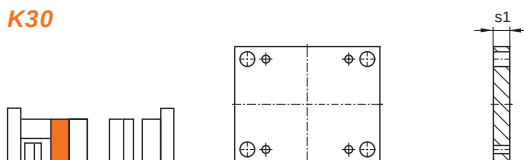
KR25



KR25/396x496 x s1/	1.1730	1.2085	1.2312	t1
56	■	■	■	26,8
66	■	■	■	26,8
76	■	■	■	35,8

KR25/396x496 x s1/	1.1730	1.2085	1.2312	t1
86	■	■	■	45,8
96	■	■	■	45,8
116	■	■	■	55,8

K30



K 30/396x496 x s1/	1.1730	1.2085	1.2312
36	■	■	
46	■	■	■
56	■	■	■
66	■	■	

K 30/396x496 x s1/	1.1730	1.2085	1.2312
76	■		
86	■		
96	■		
116	■		

K40

K45

K42

.../396x496 x s1/	1.1730	1.2085	1.2312
56	◆	◆	
66	■ ◆ ◆	■ ◆	
76	■ ◆ ◆	■ ◆	
86	■ ◆ ◆	■ ◆	

.../396x496 x s1/	1.1730	1.2085	1.2312
96	■ ◆ ◆	■ ◆	
116	■ ◆ ◆	■ ◆	
136	■ ◆ ◆	■ ◆	
156	■ ◆ ◆	■ ◆	

K60

K65

K62

.../396x496 x s1/	1.1730	1.2085	1.2312
22	■ ◆ ◆	■ ◆	

K70

K75

K72

.../396x496 x s1/	1.1730	1.2085	1.2312
27	■ ◆ ◆	■ ◆	■ ◆ ◆

K60-70

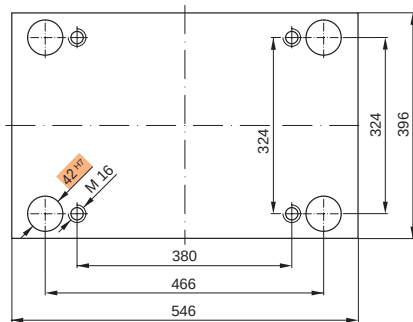
K65-75

K62-72

.../396x496 /	1.1730	1.2085
	■ ◆	■ ◆

K62-72/396x496/Typ	1.1730	1.2312
1	K62	K72
3	K62 K72	

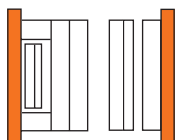
396 x 546



Bestellbeispiel:
Ordering example:
Exemple de commande:

K20 / 396 x 546 x 36 / 1.2162

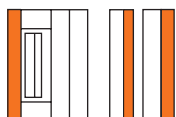
K10 K11



K10/396x546x s1 /	1.1730	1.2162	1.2085	1.2312
36	■		■	■
46	■		■	■

K11/396x546x s1 /	1.1730	1.2162	1.2085	1.2312
36	■		■	■
46	■		■	■

K15 K16

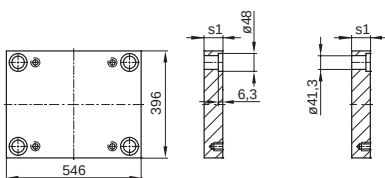
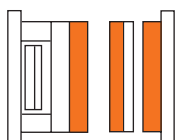


K15/396x546x s1 /	1.1730	1.2162	1.2085	1.2312
27	■		■	■
36	■		■	■

K16/396x546x s1 /	1.1730	1.2162	1.2085	1.2312
27	■	■	■	■
36	■		■	■

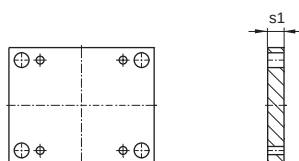
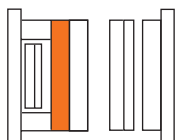
K20 K252

K20 ■ K252 ◆



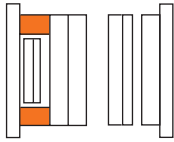
.../396x546 x s1 /	1.1730	1.2162	1.2767	1.2083	1.2085	1.2311	1.2312	1.2343	1.2343 ESU/ESR	Toolox33
22	■				■		■			
27	■		◆		■ ◆	■ ◆	■ ◆			■
36	■		◆		■ ◆	■ ◆	■ ◆			■
46	■		◆		■ ◆	■ ◆	■ ◆	◆		■
56	■		◆		■ ◆	■ ◆	■ ◆	◆	◆	■
66	■		◆		■ ◆	■ ◆	■ ◆	◆		■
76	■		◆		■ ◆	■ ◆	■ ◆	◆	◆	■
86	■		◆		■ ◆	■ ◆	■ ◆	◆		■
96	■		◆		■ ◆	■ ◆	■ ◆	◆	◆	■
116	■		◆		■ ◆	■ ◆	■ ◆	◆	◆	■
136	■				■ ◆	■ ◆	■ ◆	◆	◆	
156	■				■ ◆	■ ◆	■ ◆			
176	■					■	■			

K30

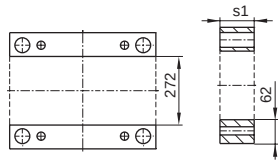


K30/396x546x s1 /	1.1730	1.2162	1.2085	1.2312
36	■		■	■
46	■		■	■
56	■		■	■
66	■		■	■
76	■			■
86	■			■
96	■			■
116	■			■

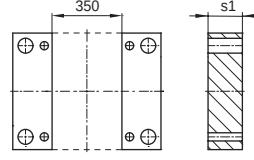
K40
K45
K42



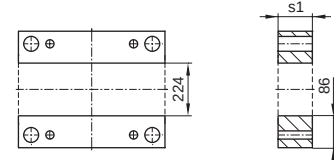
K40



K45



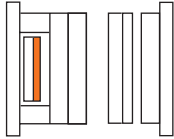
K42



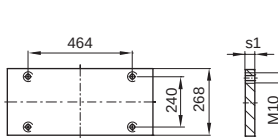
.../396x546 x s1/	1.1730	1.2085	1.2312
56	◆	◆	
66	■ ◆ ◇	■ ◆	
76	■ ◆ ◇	■ ◆	
86	■ ◆ ◇	■ ◆	

.../396x546 x s1/	1.1730	1.2085	1.2312
96	■ ◆ ◇	■ ◆	
116	■ ◆ ◇	■ ◆	
136	■ ◆ ◇	■ ◆	
156	■ ◆ ◇	■ ◆	

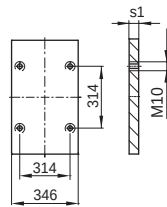
K60
K65
K62



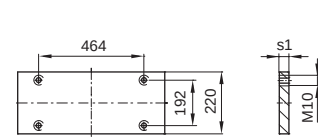
K60



K65

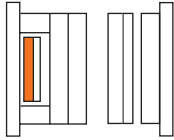


K62

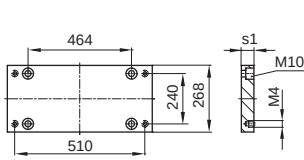


.../396x546 x s1/	1.1730	1.2085	1.2312
17	■ ◆ ◇	■ ◆	

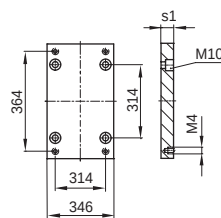
K70
K75
K72



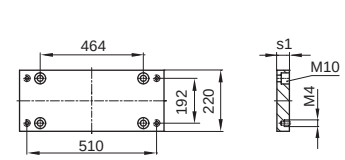
K70



K75

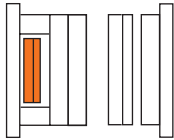


K72

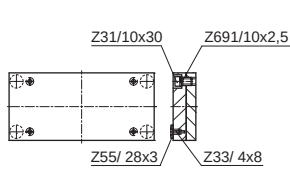


.../396x546 x s1/	1.1730	1.2085	1.2312
27	■ ◆ ◇	■ ◆	■ ◆ ◇

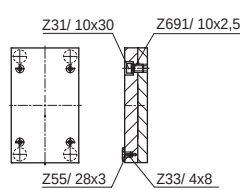
K60-70
K65-75
K62-72



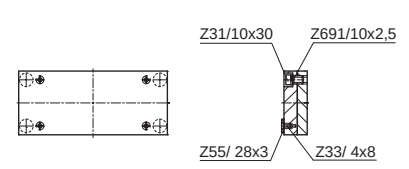
K60-70



K65-75



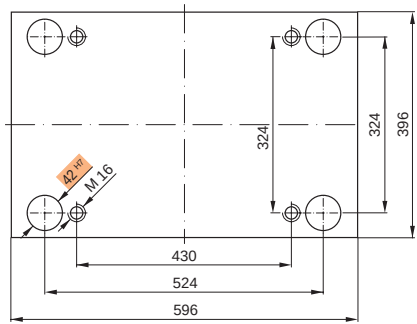
K62-72



.../396x546 /	1.1730	1.2085
	■ ◆	■ ◆

K62-72/396x546/Typ	1.1730	1.2312
1	K62	K72
3	K62 K72	

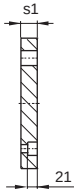
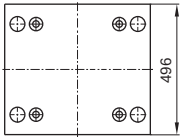
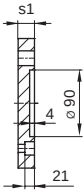
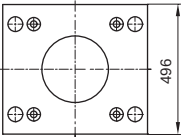
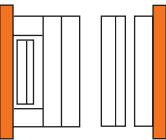
396 x 596



Bestellbeispiel:
Ordering example:
Exemple de commande:

K20 / 396 x 596 x 36 / 1.2085

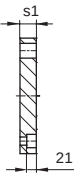
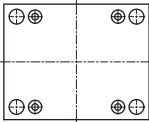
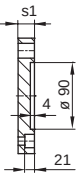
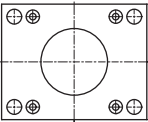
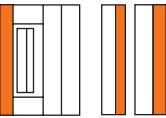
K10
K11



K10/396x596x s1 /	1.1730	1.2162	1.2085	1.2312
36	■		■	
46	■		■	■

K11/396x596x s1 /	1.1730	1.2162	1.2085	1.2312
36	■		■	
46	■		■	■

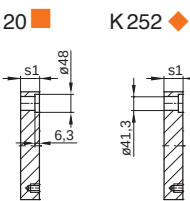
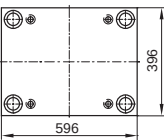
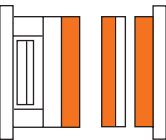
K15
K16



K15/396x596x s1 /	1.1730	1.2162	1.2085	1.2312
27	■		■	
36	■		■	■

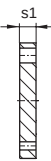
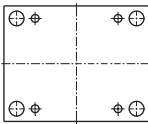
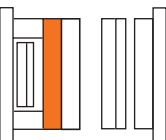
K16/396x596x s1 /	1.1730	1.2162	1.2085	1.2312
27	■		■	
36	■		■	■

K20
K252



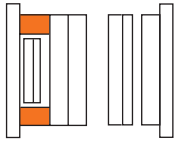
.../396x596 x s1/	1.1730	1.2162	1.2767	1.2083	1.2085	1.2311	1.2312	1.2343	1.2343 ESU/ESR	Toollox33
22	■				■		■			
27	■				■	■	■			■
36	■		■		■	■	■			■
46	■		■		■	■	■	■		■
56	■		■		■	■	■	■	■	■
66	■		■		■	■	■	■	■	■
76	■		■		■	■	■	■	■	■
86	■		■		■	■	■	■	■	■
96	■		■		■	■	■	■	■	■
116	■		■		■	■	■	■	■	■
136	■				■	■	■	■	■	
156	■				■	■	■	■	■	
176	■					■	■			

K30

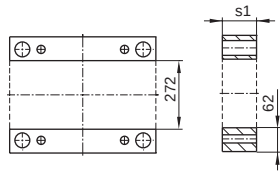


K30/396x596x s1 /	1.1730	1.2162	1.2085	1.2312
36	■		■	■
46	■		■	■
56	■		■	■
66	■		■	■
76	■			■
86	■			■
96	■			■
116	■			■

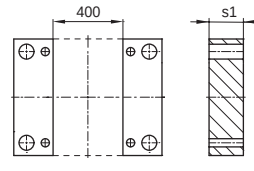
K40
K45
K42



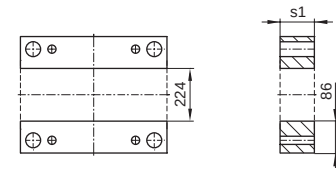
K40 ■



K45 ◆



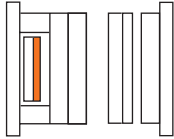
K42 ◇



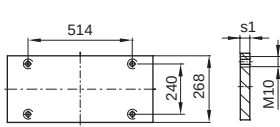
.../396x596 x s1/	1.1730	1.2085	1.2312
56	◆	◆	
66	■ ◆ ◇	■ ◆	
76	■ ◆ ◇	■ ◆	
86	■ ◆ ◇	■ ◆	

.../396x596 x s1/	1.1730	1.2085	1.2312
96	■ ◆ ◇	■ ◆	
116	■ ◆ ◇	■ ◆	
136	■ ◆ ◇	■ ◆	
156	■ ◆ ◇	■ ◆	

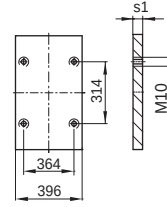
K60
K65
K62



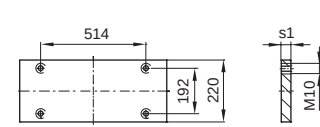
K60 ■



K65 ◆

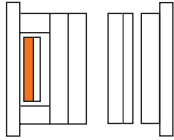


K62 ◇

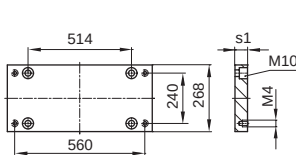


.../396x596 x s1/	1.1730	1.2085	1.2312
22	■ ◆ ◇	■ ◆	

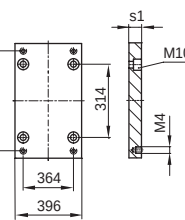
K70
K75
K72



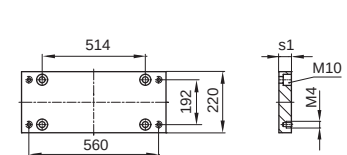
K70 ■



K75 ◆

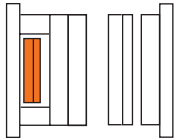


K72 ◇

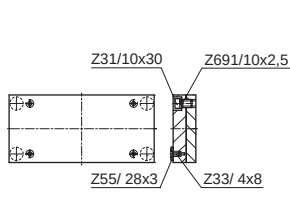


.../396x596 x s1/	1.1730	1.2085	1.2312
27	■ ◆ ◇	■ ◆	■ ◆ ◇

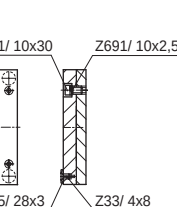
K60-70
K65-75
K62-72



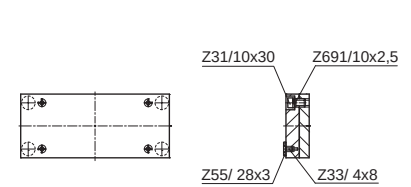
K60-70 ■



K65-75 ◆



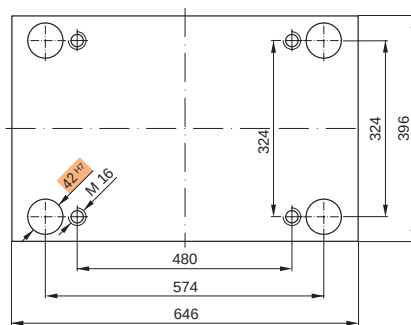
K62-72



.../396x596 /	1.1730	1.2085
	■ ◆	■ ◆

K62-72/396x596/Typ	1.1730	1.2312
1	K62	K72
3	K62 K72	

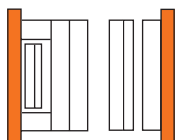
396 x 646



Bestellbeispiel:
Ordering example:
Exemple de commande:

K20 / 396 x 646 x 36 / 1.2085

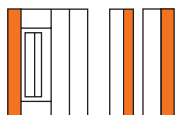
K10 K11



K10/396x646x s1 /	1.1730	1.2162	1.2085	1.2312
46	■		■	
56	■		■	■

K11/396x646x s1 /	1.1730	1.2162	1.2085	1.2312
46	■		■	
56	■		■	■

K15 K16

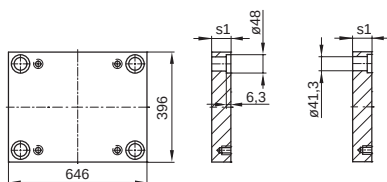
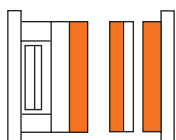


K15/396x646x s1 /	1.1730	1.2162	1.2085	1.2312
36	■		■	
46	■		■	■

K16/396x646x s1 /	1.1730	1.2162	1.2085	1.2312
36	■		■	
46	■		■	■

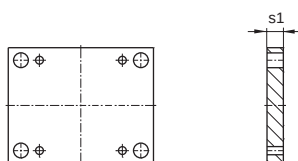
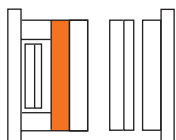
K20 K252

K20 ■ K252 ◆



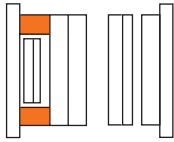
.../396x646 x s1/	1.1730	1.2162	1.2767	1.2083	1.2085	1.2311	1.2312	1.2343	1.2343 ESU/ESR	Toolox33
22	■				■		■			
27	■				■		■			
36	■				■ ◆	■ ◆	■ ◆			■
46	■				■ ◆	■ ◆	■ ◆			■
56	■				■ ◆	■ ◆	■ ◆			■
66	■				■ ◆	■ ◆	■ ◆			■
76	■				■ ◆	■ ◆	■ ◆			■
86	■				■ ◆	■ ◆	■ ◆			■
96	■				■ ◆	■ ◆	■ ◆			■
116	■				■ ◆	■ ◆	■ ◆			■
136	■				■ ◆	■ ◆	■ ◆			
156	■				■ ◆	■ ◆	■ ◆			
176	■				■ ◆	■ ◆	■ ◆			

K30

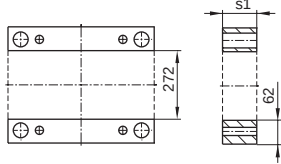


K30/396x646x s1 /	1.1730	1.2162	1.2085	1.2312
36	■			■
46	■		■	■
56	■		■	■
66	■		■	■
76	■			■
86	■			■
96	■			■
116	■			■

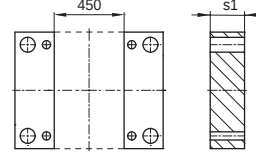
K40
K45
K42



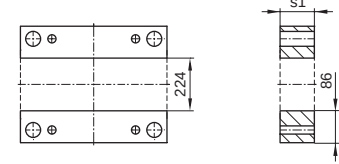
K40



K45



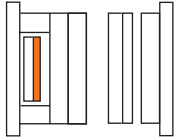
K42



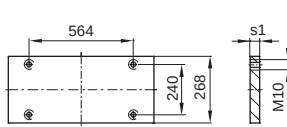
.../396x646 x s1/	1.1730	1.2085	1.2312
66	■	■	
76	■	■	
86	■	■	
96	■	■	

.../396x646 x s1/	1.1730	1.2085	1.2312
116	■	■	
136	■	■	
156	■	■	

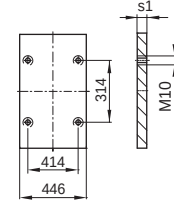
K60
K65
K62



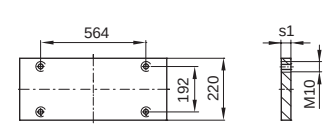
K60



K65

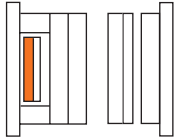


K62

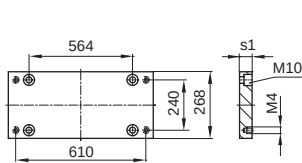


.../396x646 x s1/	1.1730	1.2085	1.2312
27	■	■	

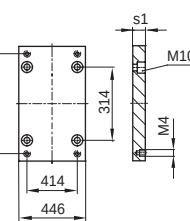
K70
K75
K72



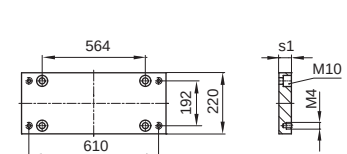
K70



K75

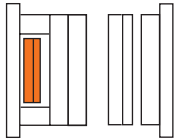


K72

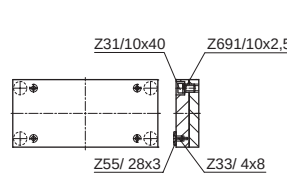


.../396x646 x s1/	1.1730	1.2085	1.2312
36	■	■	■

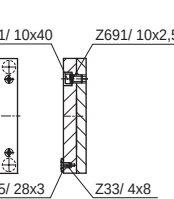
K60-70
K65-75
K62-72



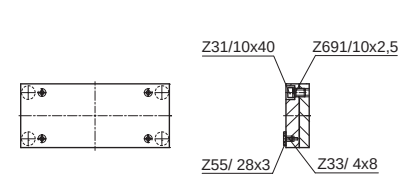
K60-70



K65-75



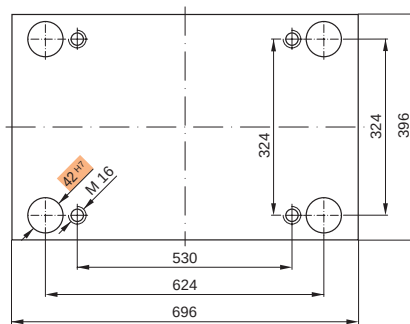
K62-72



.../396x646 /	1.1730	1.2085
	■	■

K62-72/396x646/Typ	1.1730	1.2312
1	K62	K72
3	K62 K72	

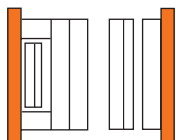
396 x 696



Bestellbeispiel:
Ordering example:
Exemple de commande:

K20 / 396 x 696 x 36 / 1.2085

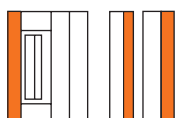
K10 K11



K10/396x696x s1 /	1.1730	1.2162	1.2085	1.2312
46	■		■	
56	■		■	■

K11/396x696x s1 /	1.1730	1.2162	1.2085	1.2312
46	■		■	
56	■		■	■

K15 K16

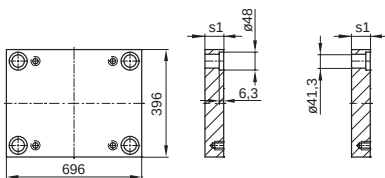
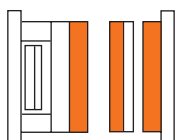


K15/396x696x s1 /	1.1730	1.2162	1.2085	1.2312
36	■		■	
46	■		■	■

K16/396x696x s1 /	1.1730	1.2162	1.2085	1.2312
36	■		■	
46	■		■	■

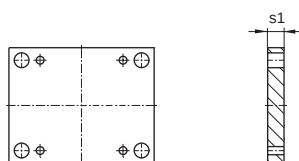
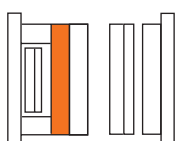
K20 K252

K20 ■ K252 ◆



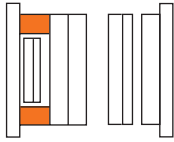
.../396x696 x s1 /	1.1730	1.2162	1.2767	1.2083	1.2085	1.2311	1.2312	1.2343	1.2343 ESU/ESR	Toolox33
22	■				■		■			
27	■				■		■			
36	■				■ ◆	■ ◆	■ ◆			■
46	■				■ ◆	■ ◆	■ ◆			■
56	■				■ ◆	■ ◆	■ ◆			■
66	■				■ ◆	■ ◆	■ ◆			■
76	■				■ ◆	■ ◆	■ ◆			■
86	■				■ ◆	■ ◆	■ ◆			■
96	■				■ ◆	■ ◆	■ ◆			■
116	■				■ ◆	■ ◆	■ ◆			■
136	■				■ ◆	■ ◆	■ ◆			
156	■				■ ◆	■ ◆	■ ◆			
176	■				■ ◆	■ ◆	■ ◆			

K30

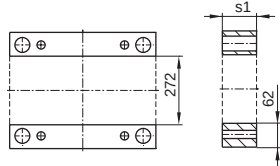


K30/396x696x s1 /	1.1730	1.2162	1.2085	1.2312
36	■			■
46	■		■	■
56	■		■	■
66	■		■	■
76	■			■
86	■			■
96	■			■
116	■			■

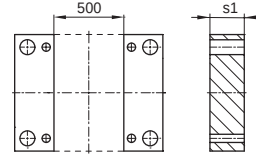
K40
K45
K42



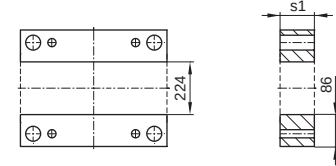
K40 ■



K45 ◆



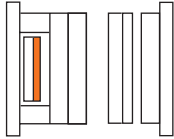
K42 ◇



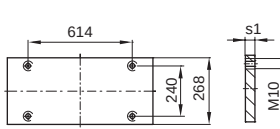
.../396x696 x s1/	1.1730	1.2085	1.2312
66	■	■	
76	■ ◆ ◇	■ ◆	
86	■ ◆ ◇	■ ◆	
96	■ ◆ ◇	■ ◆	

.../396x696 x s1/	1.1730	1.2085	1.2312
116	■ ◆ ◇	■ ◆	
136	■ ◆ ◇	■ ◆	
156	■ ◆ ◇	■ ◆	

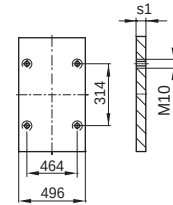
K60
K65
K62



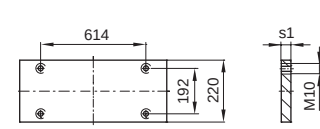
K60 ■



K65 ◆

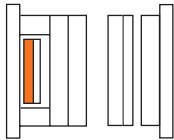


K62 ◇

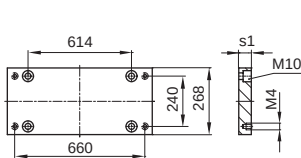


.../396x696 x s1/	1.1730	1.2085	1.2312
27	■ ◆ ◇	■ ◆	

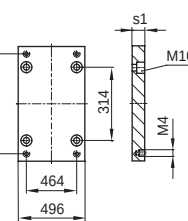
K70
K75
K72



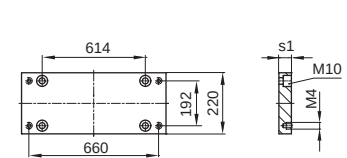
K70 ■



K75 ◆

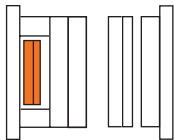


K72 ◇

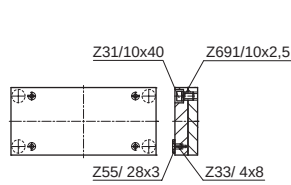


.../396x696 x s1/	1.1730	1.2085	1.2312
36	■ ◆ ◇	■ ◆	■ ◆ ◇

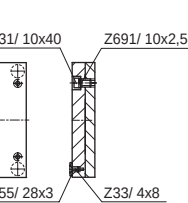
K60-70
K65-75
K62-72



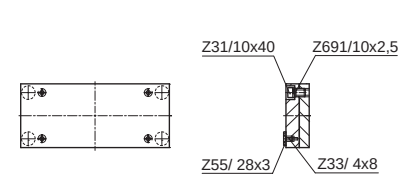
K60-70 ■



K65-75 ◆

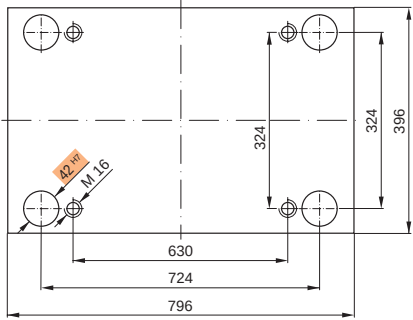


K62-72



.../396x696 /	1.1730	1.2085	K62-72/396x696/Typ	1.1730	1.2312
	■ ◆	■ ◆	1	K62	K72
			3	K62 K72	

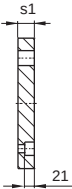
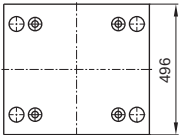
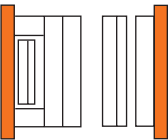
396 x 796



Bestellbeispiel:
Ordering example:
Exemple de commande:

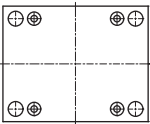
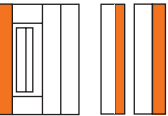
K20 / 396 x 796 x 36 / 1.2085

K11



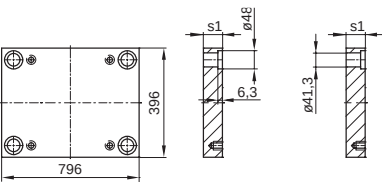
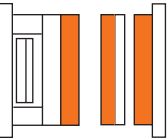
K11/396x796x s1 /	1.1730	1.2162	1.2085	1.2312
46	■		■	
56	■		■	■

K16



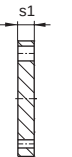
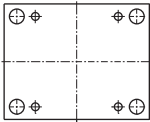
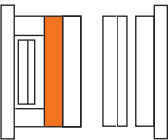
K16/396x796x s1 /	1.1730	1.2162	1.2085	1.2312
36	■		■	
46	■		■	■

K20
K252



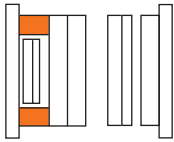
.../396x796 x s1 /	1.1730	1.2162	1.2767	1.2083	1.2085	1.2311	1.2312	1.2343	1.2343 ESU/ESR	Toolox33
22	■				■		■			
27	■				■		■			
36	■				■	■	■			■
46	■				■	■	■			■
56	■				■	■	■			■
66	■				■	■	■			■
76	■				■	■	■			■
86	■				■	■	■			■
96	■				■	■	■			■
116	■				■	■	■			■
136	■				■	■	■			
156	■				■	■	■			
176	■				■	■	■			

K30

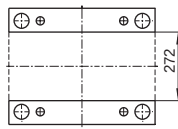


K30/396x796x s1 /	1.1730	1.2162	1.2085	1.2312
46	■		■	■
56	■		■	■
66	■			■
76	■			■
86	■			■
96	■			■
116	■			■

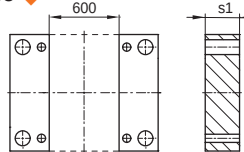
K40
K45
K42



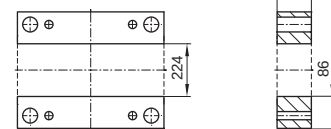
K40 ■



K45 ◆



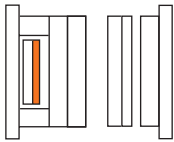
K42 ◇



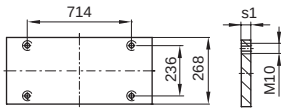
.../396x796 x s1/	1.1730	1.2085	1.2312
66	■ ◆ ◇	■ ◆	
76	■ ◆ ◇	■ ◆	
86	■ ◆ ◇	■ ◆	
96	■ ◆ ◇	■ ◆	

.../396x796 x s1/	1.1730	1.2085	1.2312
116	■ ◆ ◇	■ ◆	
136	■ ◆ ◇	■ ◆	
156	■ ◆ ◇	■ ◆	

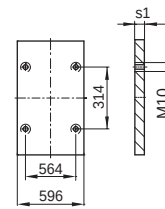
K60
K65
K62



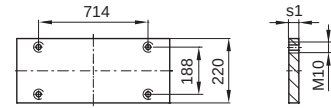
K60 ■



K65 ◆

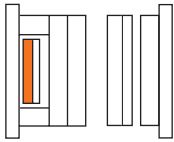


K62 ◇

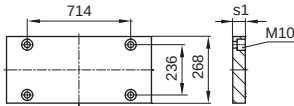


.../396x796 x s1/	1.1730	1.2085	1.2312
27	■ ◆ ◇	■ ◆	

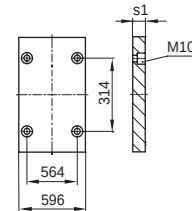
K70
K75
K72



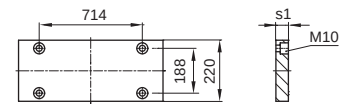
K70 ■



K75 ◆

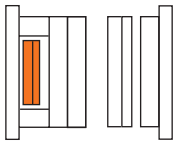


K72 ◇

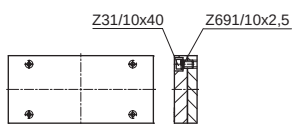


.../396x796 x s1/	1.1730	1.2085	1.2312
36	■ ◆ ◇	■ ◆	■ ◆ ◇

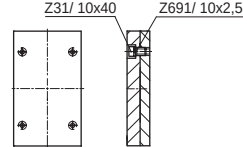
K60-70
K65-75
K62-72



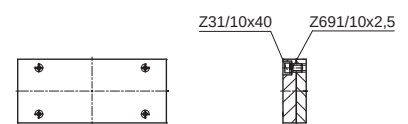
K60-70 ■



K65-75 ◆

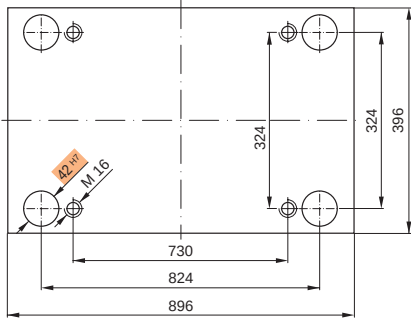


K62-72 ◇



.../396x796 /	1.1730	1.2085	K62-72/396x796/Typ	1.1730	1.2312
	■ ◆	■ ◆	1	K62	K72
			3	K62 K72	

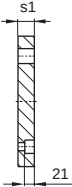
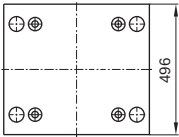
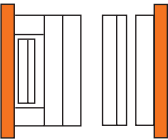
396 x 896



Bestellbeispiel:
Ordering example:
Exemple de commande:

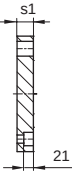
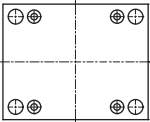
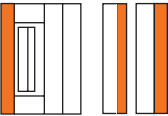
K20 / 396 x 896 x 46 / 1.2085

K11



K11/396x896x s1 /	1.1730	1.2162	1.2085	1.2312
46	■		■	
56	■		■	■

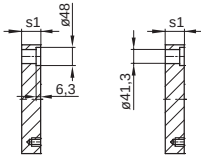
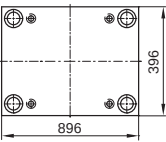
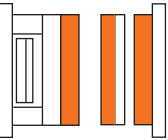
K16



K16/396x896x s1 /	1.1730	1.2162	1.2085	1.2312
36	■		■	
46	■		■	■

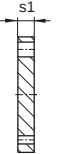
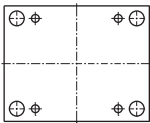
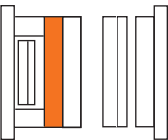
K20
K252

K 20 ■ K 252 ◆



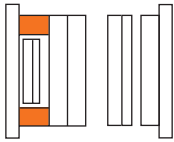
.../396x896 xs1 /	1.1730	1.2162	1.2767	1.2083	1.2085	1.2311	1.2312	1.2343	1.2343 ESU/ESR	Toolox33
36	■									■
46	■				■ ◆	■ ◆	■ ◆			■
56	■				■ ◆	■ ◆	■ ◆			■
66	■				■ ◆	■ ◆	■ ◆			■
76	■				■ ◆	■ ◆	■ ◆			■
86	■				■ ◆	■ ◆	■ ◆			■
96	■				■ ◆	■ ◆	■ ◆			■
116	■				■ ◆	■ ◆	■ ◆			■
136	■				■ ◆	■ ◆	■ ◆			
156	■				■ ◆	■ ◆	■ ◆			
176	■				■ ◆	■ ◆	■ ◆			

K30

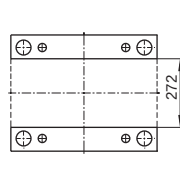


K30/396x896x s1 /	1.1730	1.2162	1.2085	1.2312
46	■		■	■
56	■		■	■

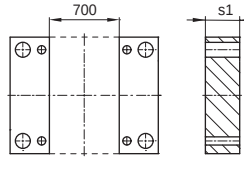
K40
K45
K42



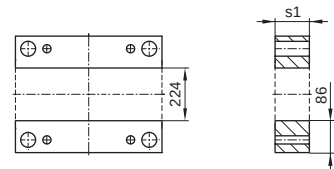
K40 ■



K45 ◆



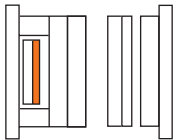
K42 ◇



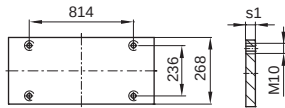
.../396x896 x s1/	1.1730	1.2085	1.2312
76	◆	◆	
86	■ ◆ ◇	■ ◆	
96	■ ◆ ◇	■ ◆	

.../396x896 x s1/	1.1730	1.2085	1.2312
116	■ ◆ ◇	■ ◆	
136	■ ◆ ◇	■ ◆	
156	■ ◆ ◇	■ ◆	

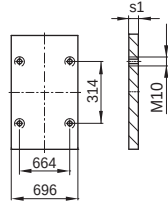
K60
K65
K62



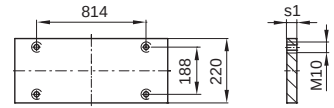
K60 ■



K65 ◆



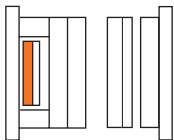
K62 ◇



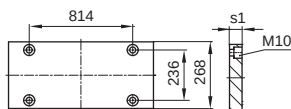
.../396x896 x s1/	1.1730	1.2085	1.2312
27	■ ◆ ◇	■ ◆	



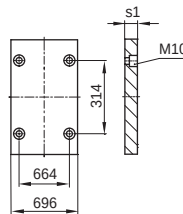
K70
K75
K72



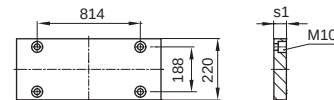
K70 ■



K75 ◆

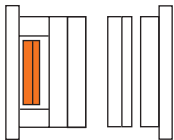


K72 ◇

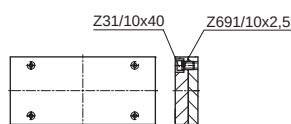


.../396x896 x s1/	1.1730	1.2085	1.2312
36	■ ◆ ◇	■ ◆	■ ◆ ◇

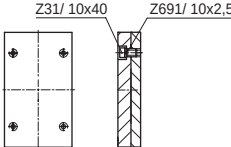
K60-70
K65-75
K62-72



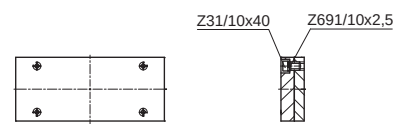
K60-70 ■



K65-75 ◆



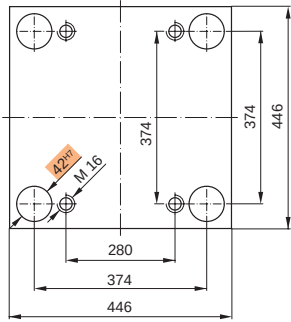
K62-72 ◇



.../396x896 /	1.1730	1.2085
	■ ◆	■ ◆

K62-72/396x896/Typ	1.1730	1.2312
1	K62	K72
3	K62 K72	

446 x 446

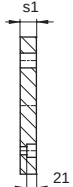
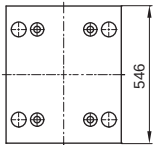
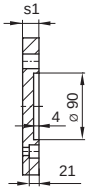
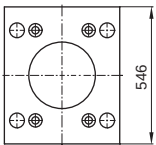
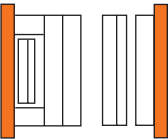


Bestellbeispiel:
Ordering example:
Exemple de commande:

K20 / 446 x 446 x 36 / 1.2162

Neu / New / Nouveau

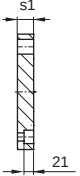
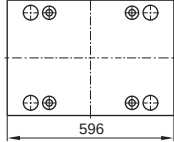
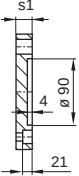
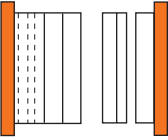
K10
K11



K10/446x446x s1 /	1.1730	1.2162	1.2085	1.2312
27	■			■
36	■		■	■
46	■		■	■

K11/446x446x s1 /	1.1730	1.2162	1.2085	1.2312
27	■			■
36	■		■	■
46	■		■	■

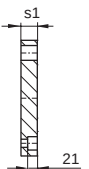
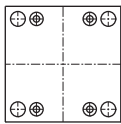
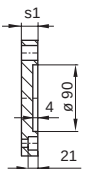
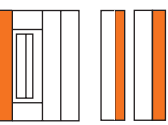
K12
K13



K12/446x446x s1 /	1.1730	1.2162	1.2085	1.2312
36	■		■	■
46	■		■	■

K13/446x446x s1 /	1.1730	1.2162	1.2085	1.2312
36	■		■	■
46	■		■	■

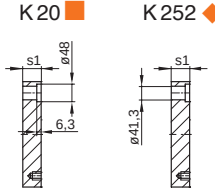
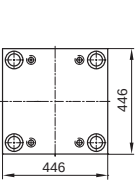
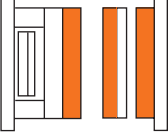
K15
K16



K15/446x446x s1 /	1.1730	1.2162	1.2085	1.2312
27	■		■	
36	■		■	■

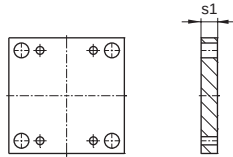
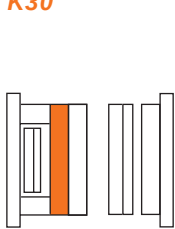
K16/446x446x s1 /	1.1730	1.2162	1.2085	1.2312
27	■		■	
36	■		■	■

K20
K252



.../446x446 x s1 /	1.1730	1.2162	1.2767	1.2083	1.2085	1.2311	1.2312	1.2343	1.2343 ESU/ESR	Toolox33
27	■				■	■	■			■
36	■		■		■	■	■	■		■
46	■		■		■	■	■	■		■
56	■		■		■	■	■	■	■	■
66	■		■		■	■	■	■		■
76	■		■		■	■	■	■	■	■
86	■		■		■	■	■	■		■
96	■		■		■	■	■	■	■	■
106	■				■	■	■			
116	■				■	■	■	■	■	■
126	■				■	■	■			
136	■				■	■	■	■		
156	■				■	■	■			
176	■				■	■	■			

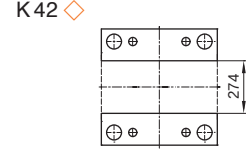
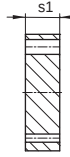
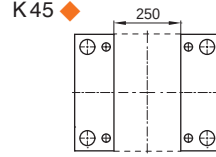
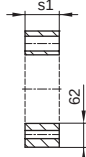
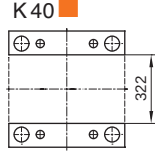
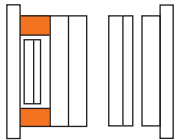
K30



K 30 / 446x446 x s1 /	1.1730	1.2085	1.2312
36	■	■	■
46	■	■	■
56	■	■	■
66	■	■	■

K 30 / 446x446 x s1 /	1.1730	1.2085	1.2312
76	■		■
86	■		■
96	■		■
116	■		■

K40 K45 K42

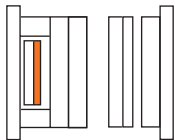


.../446x446 x s1 /	1.1730	1.2085	1.2312
56	■ ◆	■ ◆	
66	■ ◆	■ ◆	
76	■ ◆	■ ◆	
86	■ ◆	■ ◆	

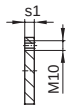
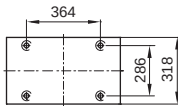
.../446x446 x s1 /	1.1730	1.2085	1.2312
96	■ ◆	■ ◆	
116	■ ◆	■ ◆	
136	■ ◆	■ ◆	
156	■ ◆	■ ◆	
176	■		



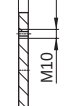
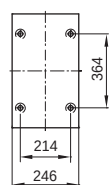
K60 K65 K62



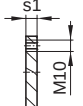
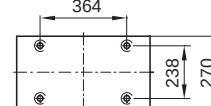
K 60



K 65

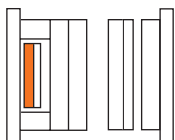


K 62

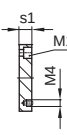
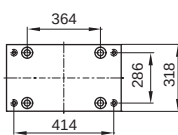


.../446x446 x s1 /	1.1730	1.2085	1.2312
17	■ ◆	■ ◆	

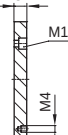
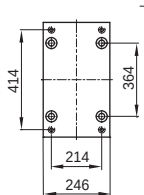
K70 K75 K72



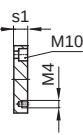
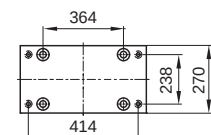
K 70



K 75

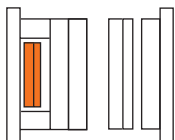


K 72

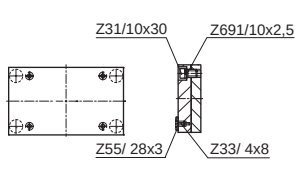


.../446x446 x s1 /	1.1730	1.2085	1.2312
27	■ ◆	■ ◆	■ ◆

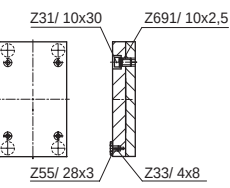
K60-70 K65-75 K62-72



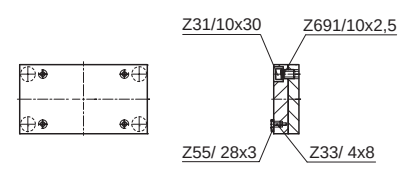
K 60-70



K 65-75



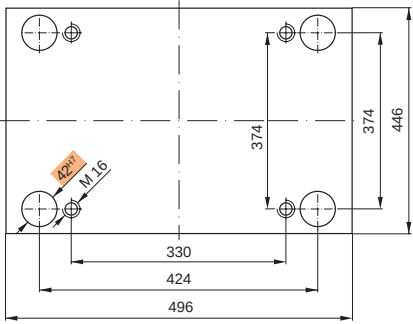
K 62-72



.../446x446 /	1.1730	1.2085
	■ ◆	■ ◆

K62-72/446x446/Typ	1.1730	1.2312
1	K 62	K 72
3	K 62 K 72	

446 x 496

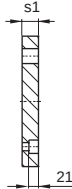
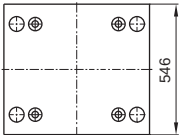
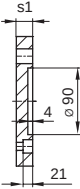
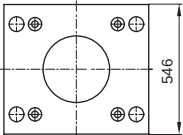
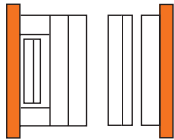


Bestellbeispiel:
Ordering example:
Exemple de commande:

K20 / 446 x 496 x 36 / 1.2085

Neu / New / Nouveau

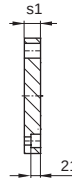
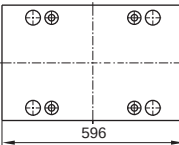
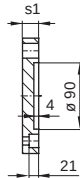
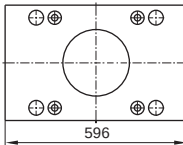
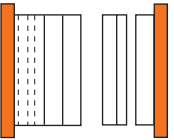
K10
K11



K10/446x496x s1 /	1.1730	1.2162	1.2085	1.2312
27	■			■
36	■		■	■
46	■		■	■

K11/446x496x s1 /	1.1730	1.2162	1.2085	1.2312
27	■			■
36	■		■	■
46	■		■	■

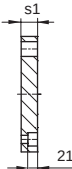
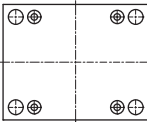
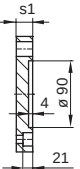
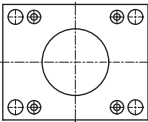
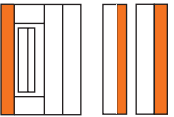
K12
K13



K12/446x496x s1 /	1.1730	1.2162	1.2085	1.2312
36	■		■	
46	■		■	■

K13/446x496x s1 /	1.1730	1.2162	1.2085	1.2312
36	■		■	
46	■		■	■

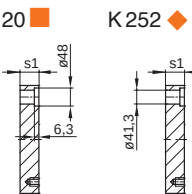
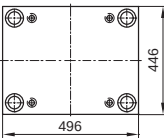
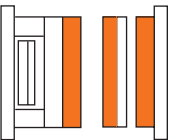
K15
K16



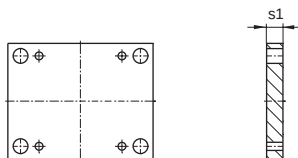
K15/446x496x s1 /	1.1730	1.2162	1.2085	1.2312
27	■		■	
36	■		■	■

K16/446x496x s1 /	1.1730	1.2162	1.2085	1.2312
27	■		■	
36	■		■	■

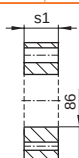
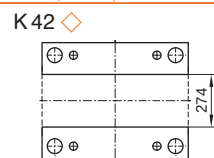
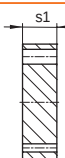
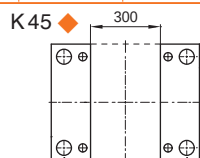
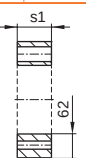
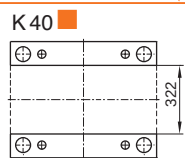
K20
K252



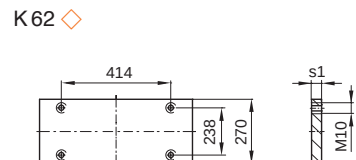
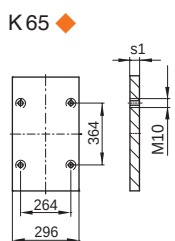
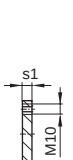
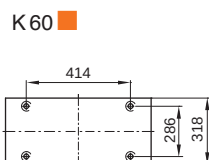
.../446x496 xs1/	1.1730	1.2162	1.2767	1.2083	1.2085	1.2311	1.2312	1.2343	1.2343 ESU/ESR	Toolox33
27	■				■	■	■			■
36	■				■	■	■			■
46	■				■	■	■	■		■
56	■				■	■	■		■	■
66	■		■		■	■	■	■		■
76	■		■		■	■	■	■	■	■
86	■		■		■	■	■	■		■
96	■		■		■	■	■	■	■	■
106	■				■	■	■	■		
116	■				■	■	■	■	■	■
126	■				■	■	■	■		
136	■				■	■	■	■	■	
156	■				■	■	■	■		
176	■				■	■	■	■		



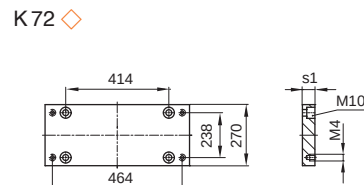
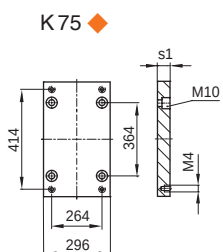
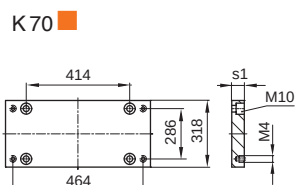
K 30 /446x496 x s1/		1.1730	1.2085	1.2312
	76	■		■
	86	■		■
	96	■		■
	116	■		■



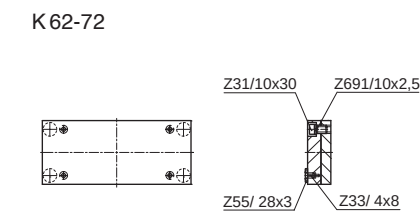
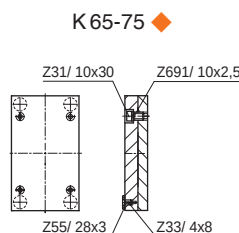
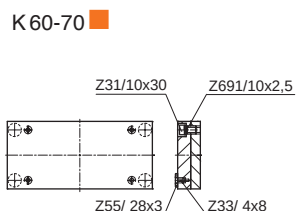
.../446x496 x s1/	1.1730	1.2085	1.2312
96	■ ◆ ◇	■ ◆	
116	■ ◆ ◇	■ ◆	
136	■ ◆ ◇	■ ◆	
156	■ ◆ ◇	■ ◆	
176	■ ◇		



.../446x 496 x s1/		1.1730	1.2085	1.2312
	22			

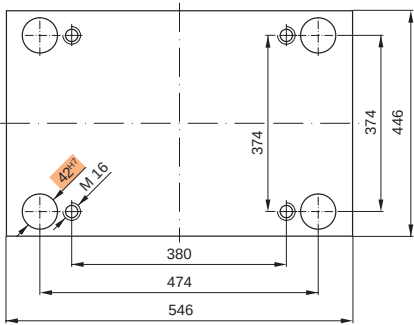


.../446x 496 x s1/		1.1730	1.2085	1.2312
	27			



.../446x496 /	1.1730	1.2085	K62-72/446x496/Typ	1.1730	1.2312	
				1	K 62	K 72
				3	K 62 K 72	

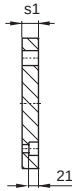
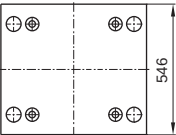
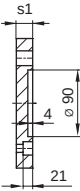
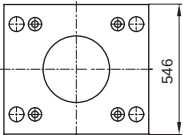
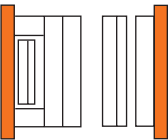
446 x 546



Bestellbeispiel:
Ordering example:
Exemple de commande:

K20 / 446 x 546 x 36 / 1.2085

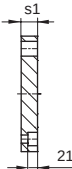
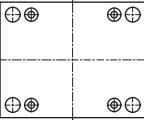
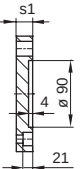
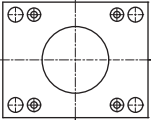
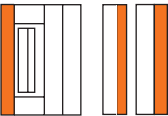
K10
K11



K10/446x546x s1 /	1.1730	1.2162	1.2085	1.2312
36	■		■	
46	■		■	■

K11/446x546x s1 /	1.1730	1.2162	1.2085	1.2312
36	■		■	
46	■		■	■

K15
K16

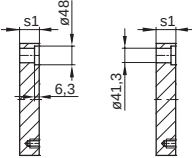
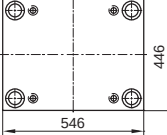
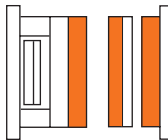


K15/446x546x s1 /	1.1730	1.2162	1.2085	1.2312
27	■		■	
36	■		■	■

K16/446x546x s1 /	1.1730	1.2162	1.2085	1.2312
27	■		■	
36	■		■	■

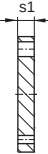
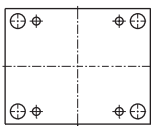
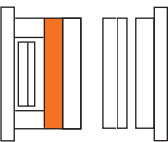
K20
K252

K20 ■ K252 ◆



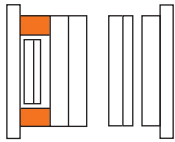
.../446x546 x s1 /	1.1730	1.2162	1.2767	1.2083	1.2085	1.2311	1.2312	1.2343	1.2343 ESU/ESR	Toolox33
27	■				■ ◆		■ ◆			■
36	■				■ ◆	■ ◆	■ ◆			■
46	■				■ ◆	■ ◆	■ ◆	◆		■
56	■				■ ◆	■ ◆	■ ◆	◆	◆	■
66	■				■ ◆	■ ◆	■ ◆			■
76	■				■ ◆	■ ◆	■ ◆	◆	◆	■
86	■				■ ◆	■ ◆	■ ◆	◆		■
96	■				■ ◆	■ ◆	■ ◆	◆	◆	■
116	■				■ ◆	■ ◆	■ ◆	◆	◆	■
136	■				■ ◆	■ ◆	■ ◆	◆	◆	
156	■				■ ◆	■ ◆	■ ◆			
176	■				■ ◆	■ ◆	■ ◆			

K30

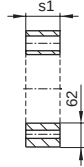
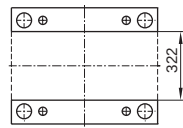


K30/446x546x s1 /	1.1730	1.2162	1.2085	1.2312
36	■			■
46	■		■	■
56	■		■	■
66	■			■
76	■			■
86	■			■
96	■			■
116	■			■

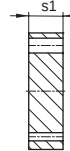
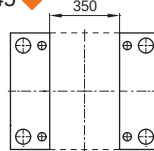
K40
K45
K42



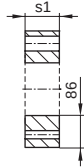
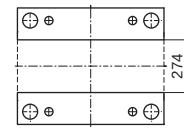
K40 ■



K45 ◆



K42 ◇

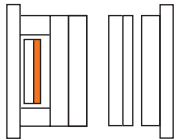


.../446x546 x s1/	1.1730	1.2085	1.2312
56	◆	◆	
66	■ ◆ ◇	■ ◆	
76	■ ◆ ◇	■ ◆	
86	■ ◆ ◇	■ ◆	
96	■ ◆ ◇	■ ◆	

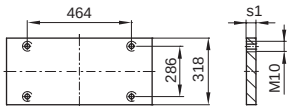
.../446x546 x s1/	1.1730	1.2085	1.2312
116	■ ◆ ◇	■ ◆	
136	■ ◆ ◇	■ ◆	
156	■ ◆ ◇	■ ◆	
176	■ ◆ ◇	■ ◆	



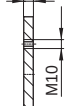
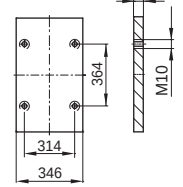
K60
K65
K62



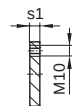
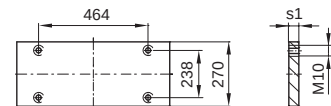
K60 ■



K65 ◆

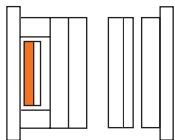


K62 ◇

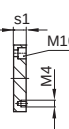
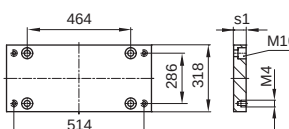


.../446x546 x s1/	1.1730	1.2085	1.2312
22	■ ◆ ◇	■ ◆	

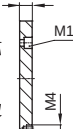
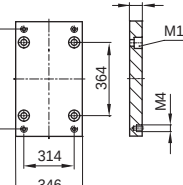
K70
K75
K72



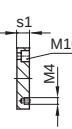
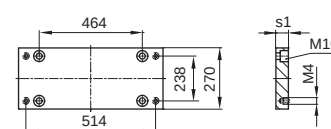
K70 ■



K75 ◆

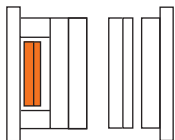


K72 ◇

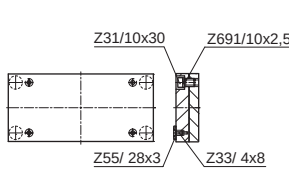


.../446x546 x s1/	1.1730	1.2085	1.2312
27	■ ◆ ◇	■ ◆	■ ◆ ◇

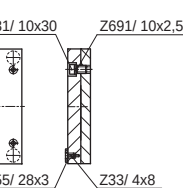
K60-70
K65-75
K62-72



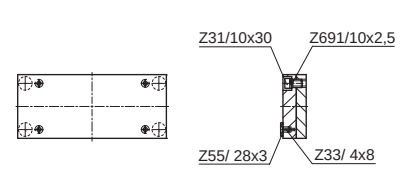
K60-70 ■



K65-75 ◆



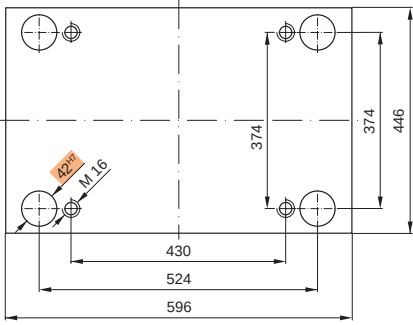
K62-72



.../446x546 /	1.1730	1.2085
	■ ◆	■ ◆

K62-72/446x546/Typ	1.1730	1.2312
1	K 62	K 72
3	K 62 K 72	

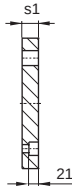
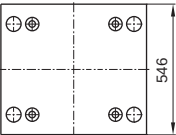
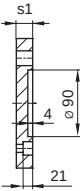
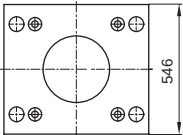
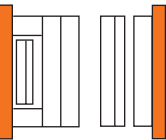
446 x 596



Bestellbeispiel:
Ordering example:
Exemple de commande:

K20 / 446 x 596 x 36 / 1.2085

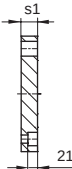
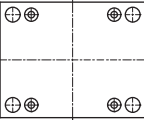
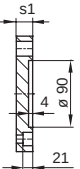
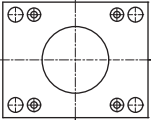
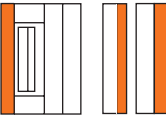
K10
K11



K10/446x596x s1 /	1.1730	1.2162	1.2085	1.2312
36	■		■	
46	■		■	■

K11/446x596x s1 /	1.1730	1.2162	1.2085	1.2312
36	■		■	
46	■		■	■

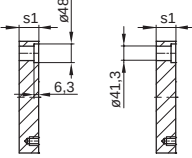
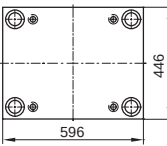
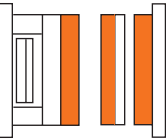
K15
K16



K15/446x596x s1 /	1.1730	1.2162	1.2085	1.2312
27	■		■	
36	■		■	■

K16/446x596x s1 /	1.1730	1.2162	1.2085	1.2312
27	■		■	
36	■		■	■

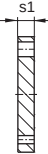
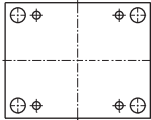
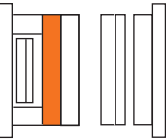
K20
K252



K20 ■ K252 ◆

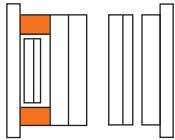
.../446x596x s1 /	1.1730	1.2162	1.2767	1.2083	1.2085	1.2311	1.2312	1.2343	1.2343 ESU/ESR	Toolox33
27	■				■ ◆		■ ◆			■
36	■				■ ◆	■ ◆	■ ◆			■
46	■				■ ◆	■ ◆	■ ◆			■
56	■				■ ◆	■ ◆	■ ◆	◆	◆	■
66	■				■ ◆	■ ◆	■ ◆			■
76	■				■ ◆	■ ◆	■ ◆	◆	◆	■
86	■				■ ◆	■ ◆	■ ◆			■
96	■				■ ◆	■ ◆	■ ◆	◆	◆	■
116	■				■ ◆	■ ◆	■ ◆	◆	◆	■
136	■				■ ◆	■ ◆	■ ◆	◆	◆	
156	■				■ ◆	■ ◆	■ ◆			
176	■				■ ◆	■ ◆	■ ◆			

K30

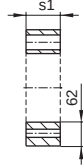
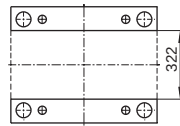


K30/446x596x s1 /	1.1730	1.2162	1.2085	1.2312
36	■		■	■
46	■		■	■
56	■			■
66	■			■
76	■			■
86	■			■
96	■			■
116	■			■

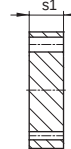
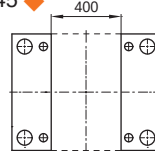
K40
K45
K42



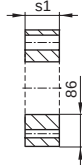
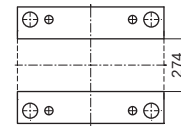
K40 ■



K45 ◆



K42 ◇

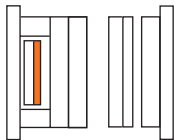


.../446x596 x s1/	1.1730	1.2085	1.2312
56	■ ◆	■ ◆	
66	■ ◆ ◇	■ ◆	
76	■ ◆ ◇	■ ◆	
86	■ ◆ ◇	■ ◆	
96	■ ◆ ◇	■ ◆	

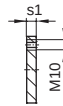
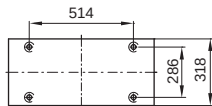
.../446x596 x s1/	1.1730	1.2085	1.2312
116	■ ◆ ◇	■ ◆	
136	■ ◆ ◇	■ ◆	
156	■ ◆ ◇	■ ◆	
176	■ ◆ ◇	■ ◆	



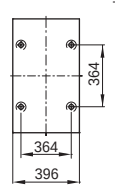
K60
K65
K62



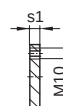
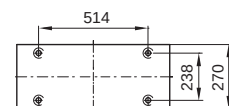
K60 ■



K65 ◆

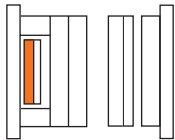


K62 ◇

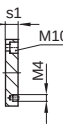
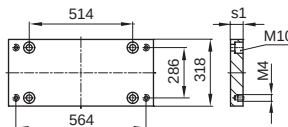


.../446x596 x s1/	1.1730	1.2085	1.2312
22	■ ◆ ◇	■ ◆	

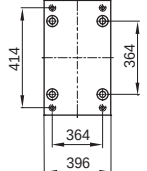
K70
K75
K72



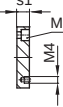
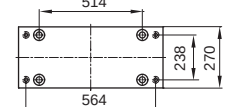
K70 ■



K75 ◆

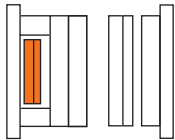


K72 ◇

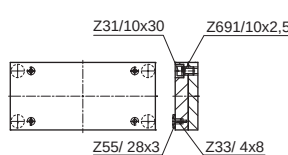


.../446x596 x s1/	1.1730	1.2085	1.2312
27	■ ◆ ◇	■ ◆	■ ◆ ◇

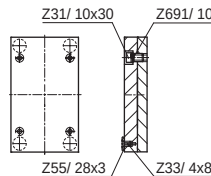
K60-70
K65-75
K62-72



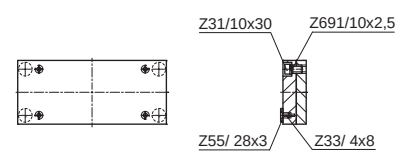
K60-70 ■



K65-75 ◆



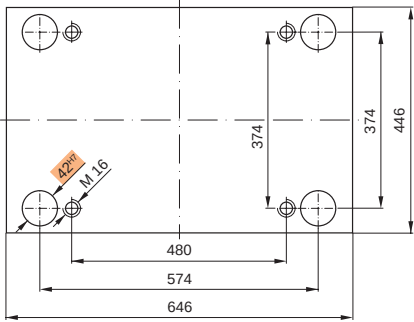
K62-72



.../446x596 /	1.1730	1.2085
	■ ◆	■ ◆

K62-72/446x596/Typ	1.1730	1.2312
1	K 62	K 72
3	K 62 K 72	

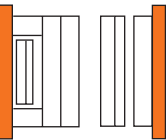
446 x 646



Bestellbeispiel:
Ordering example:
Exemple de commande:

K20 / 446 x 646 x 36 / 1.2085

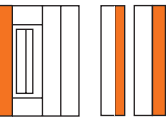
K10
K11



K10/446x646x s1 /	1.1730	1.2162	1.2085	1.2312
46	■		■	
56	■		■	■

K11/446x646x s1 /	1.1730	1.2162	1.2085	1.2312
46	■		■	
56	■		■	■

K15
K16

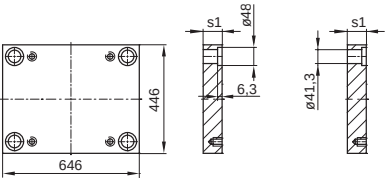
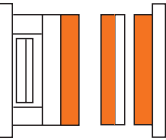


K15/446x646x s1 /	1.1730	1.2162	1.2085	1.2312
36	■		■	
46	■		■	■

K16/446x646x s1 /	1.1730	1.2162	1.2085	1.2312
36	■		■	
46	■		■	■

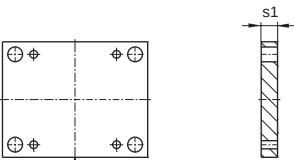
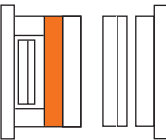
K20
K252

K20 ■ K252 ◆



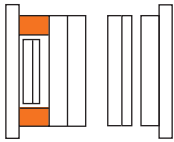
.../446x646 x s1 /	1.1730	1.2162	1.2767	1.2083	1.2085	1.2311	1.2312	1.2343	1.2343 ESU/ESR	Toolox33
27	■				■		■			
36	■				■ ◆	■	■ ◆			■
46	■				■ ◆	■ ◆	■ ◆			■
56	■				■ ◆	■ ◆	■ ◆			■
66	■				■ ◆	■ ◆	■ ◆			■
76	■				■ ◆	■ ◆	■ ◆			■
86	■				■ ◆	■ ◆	■ ◆			■
96	■				■ ◆	■ ◆	■ ◆			■
116	■				■ ◆	■ ◆	■ ◆			■
136	■				■ ◆	■ ◆	■ ◆			
156	■				■ ◆	■ ◆	■ ◆			
176	■				■ ◆	■ ◆	■ ◆			

K30

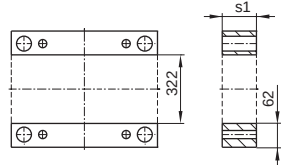


K30/446x646x s1 /	1.1730	1.2162	1.2085	1.2312
46	■		■	■
56	■		■	■
66	■			■
76	■			■
86	■			■
96	■			■
116	■			■

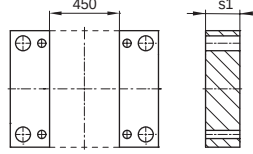
K40
K45
K42



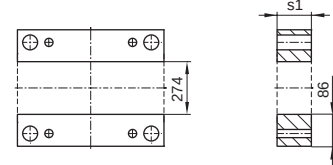
K40 ■



K45 ◆

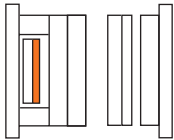


K42 ◇

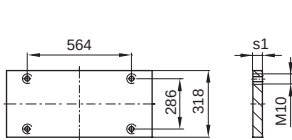


.../446x646 x s1/	1.1730	1.2085	1.2312	.../446x646 x s1/	1.1730	1.2085	1.2312
76	■ ◆ ◇	■ ◆		136	■ ◆ ◇	■ ◆	
86	■ ◆ ◇	■ ◆		156	■ ◆ ◇	■ ◆	
96	■ ◆ ◇	■ ◆		176	■ ◆	■	
116	■ ◆ ◇	■ ◆					

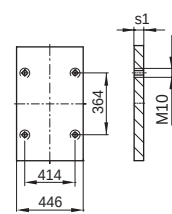
K60
K65
K62



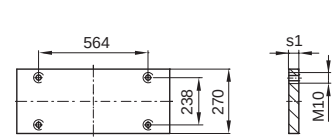
K60 ■



K65 ◆

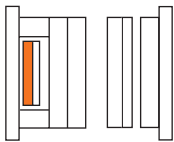


K62 ◇

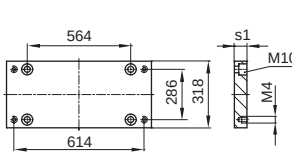


.../446x646 x s1/	1.1730	1.2085	1.2312
27	■ ◆ ◇	■ ◆	

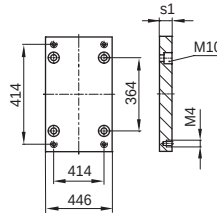
K70
K75
K72



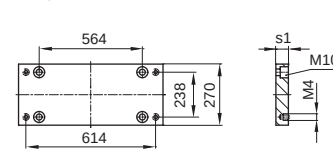
K70 ■



K75 ◆

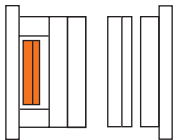


K72 ◇

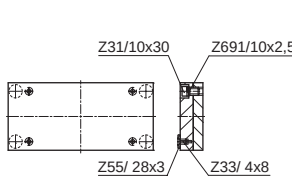


.../446x646 x s1/	1.1730	1.2085	1.2312
36	■ ◆ ◇	■ ◆	■ ◆ ◇

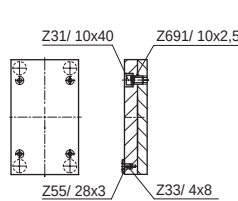
K60-70
K65-75
K62-72



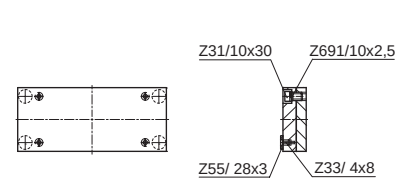
K60-70 ■



K65-75 ◆

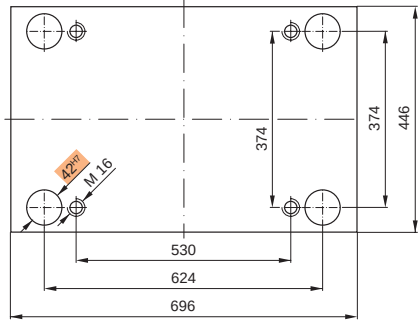


K62-72 ◇



.../446x646 /	1.1730	1.2085	K62-72/446x646/Typ	1.1730	1.2312
	■ ◆	■ ◆	1	K62	K72
			3	K62 K72	

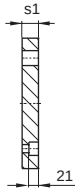
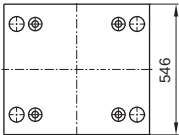
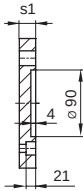
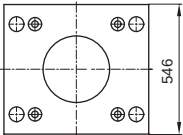
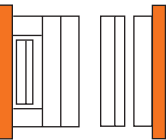
446 x 696



Bestellbeispiel:
Ordering example:
Exemple de commande:

K20 / 446 x 696 x 36 / 1.2085

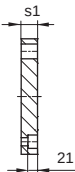
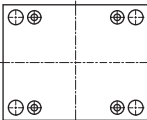
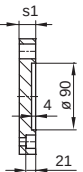
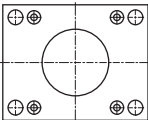
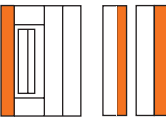
K10
K11



K10/446x696x s1 /	1.1730	1.2162	1.2085	1.2312
46	■		■	
56	■		■	■

K11/446x696x s1 /	1.1730	1.2162	1.2085	1.2312
46	■		■	
56	■		■	■

K15
K16

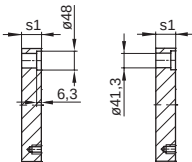
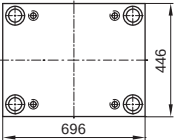
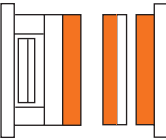


K15/446x696x s1 /	1.1730	1.2162	1.2085	1.2312
36	■		■	
46	■		■	■

K16/446x696x s1 /	1.1730	1.2162	1.2085	1.2312
36	■		■	
46	■		■	■

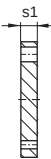
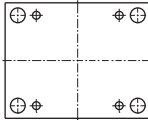
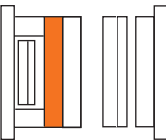
K20
K252

K20 ■ K252 ◆



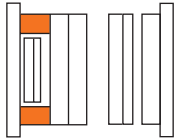
.../446x696 x s1 /	1.1730	1.2162	1.2767	1.2083	1.2085	1.2311	1.2312	1.2343	1.2343 ESU/ESR	Toolox33
27	■				■		■			
36	■				■ ◆		■ ◆			■
46	■				■ ◆	■ ◆	■ ◆			■
56	■				■ ◆	■ ◆	■ ◆			■
66	■				■ ◆	■ ◆	■ ◆			■
76	■				■ ◆	■ ◆	■ ◆			■
86	■				■ ◆	■ ◆	■ ◆			■
96	■				■ ◆	■ ◆	■ ◆			■
116	■				■ ◆	■ ◆	■ ◆			■
136	■				■ ◆	■ ◆	■ ◆			
156	■				■ ◆	■ ◆	■ ◆			
176	■				■ ◆	■ ◆	■ ◆			

K30

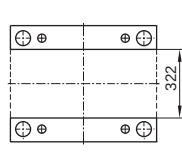


K30/446x696x s1 /	1.1730	1.2162	1.2085	1.2312
46	■		■	■
56	■		■	■
66	■			■
76	■			■
86	■			■
96	■			■
116	■			■

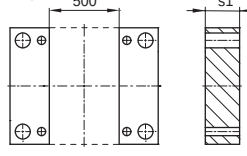
K40
K45
K42



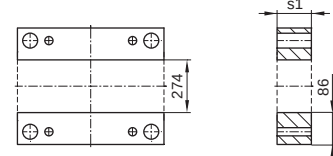
K40 ■



K45 ◆



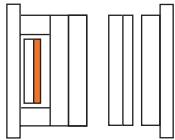
K42 ◇



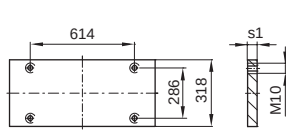
.../446x696 x s1/	1.1730	1.2085	1.2312
76	■ ◆ ◇	■ ◆	
86	■ ◆ ◇	■ ◆	
96	■ ◆ ◇	■ ◆	
116	■ ◆ ◇	■ ◆	

.../446x696 x s1/	1.1730	1.2085	1.2312
136	■ ◆ ◇	■ ◆	
156	■ ◆ ◇	■ ◆	
176	■ ◆ ◇	■	

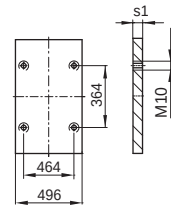
K60
K65
K62



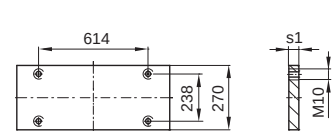
K60 ■



K65 ◆

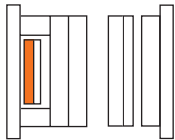


K62 ◇

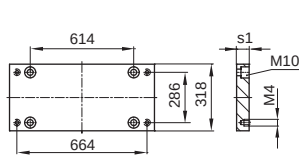


.../446x696 x s1/	1.1730	1.2085	1.2312
27	■ ◆ ◇	■ ◆	

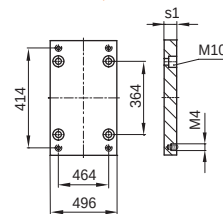
K70
K75
K72



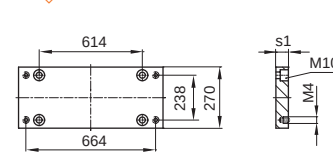
K70 ■



K75 ◆

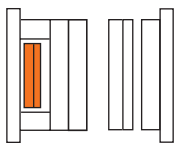


K72 ◇

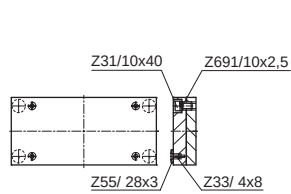


.../446x696 x s1/	1.1730	1.2085	1.2312
36	■ ◆ ◇	■ ◆	■ ◆ ◇

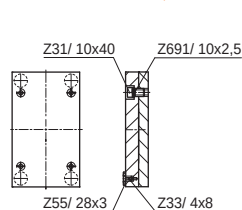
K60-70
K65-75
K62-72



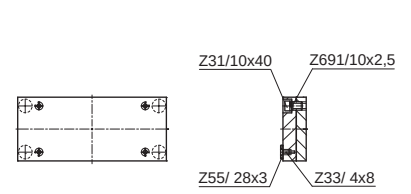
K60-70 ■



K65-75 ◆



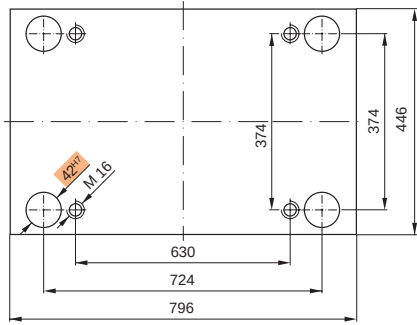
K62-72 ◇



.../446x696 /	1.1730	1.2085
	■ ◆	■ ◆

K62-72/446x696/Typ	1.1730	1.2312
1	K62	K72
3	K62 K72	

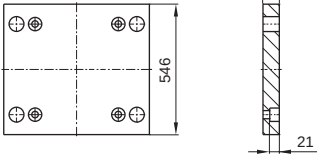
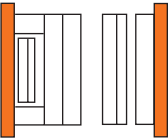
446 x 796



Bestellbeispiel:
Ordering example:
Exemple de commande:

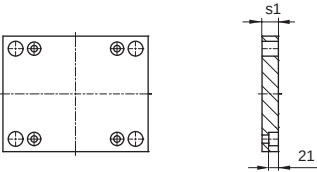
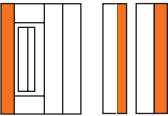
K20 / 446 x 796 x 36 / 1.2085

K11



K11/446x796x s1 /	1.1730	1.2162	1.2085	1.2312
46	■		■	
56	■		■	■

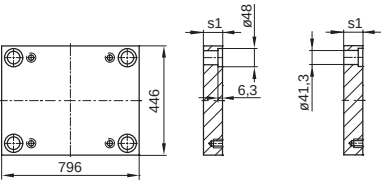
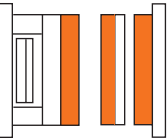
K16



K16/446x796x s1 /	1.1730	1.2162	1.2085	1.2312
36	■		■	
46	■		■	■

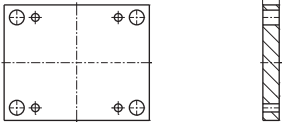
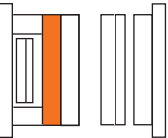
K20
K252

K20 ■ K252 ◆



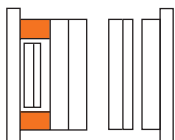
.../446x796 xs1/	1.1730	1.2162	1.2767	1.2083	1.2085	1.2311	1.2312	1.2343	1.2343 ESU/ESR	Toolox33
27	■				■		■			
36	■				■ ◆		■ ◆			■
46	■				■ ◆	■ ◆	■ ◆			■
56	■				■ ◆	■ ◆	■ ◆			■
66	■				■ ◆	■ ◆	■ ◆			■
76	■				■ ◆	■ ◆	■ ◆			■
86	■				■ ◆	■ ◆	■ ◆			■
96	■				■ ◆	■ ◆	■ ◆			■
116	■				■ ◆	■ ◆	■ ◆			■
136	■				■ ◆	■ ◆	■ ◆			
156	■				■ ◆	■ ◆	■ ◆			
176	■				■ ◆	■ ◆	■ ◆			

K30

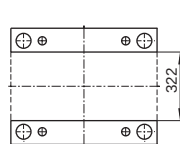


K30/446x796x s1 /	1.1730	1.2162	1.2085	1.2312
46	■		■	■
56	■		■	■
66	■			■
76	■			■
86	■			■
96	■			■
116	■			■

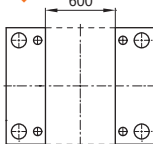
K40
K45
K42



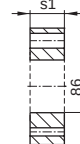
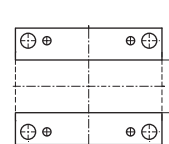
K40 ■



K45 ◆



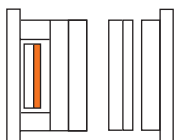
K42 ◇



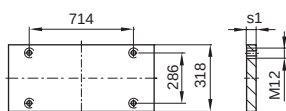
.../446x796 x s1/	1.1730	1.2085	1.2312
76	■ ◆ ◇	■ ◆	
86	■ ◆ ◇	■ ◆	
96	■ ◆ ◇	■ ◆	
116	■ ◆ ◇	■ ◆	

.../446x796 x s1/	1.1730	1.2085	1.2312
136	■ ◆ ◇	■ ◇	
156	■ ◆ ◇	■ ◇	
176	■ ◇	■	

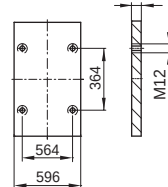
K60
K65
K62



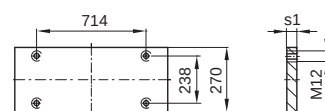
K60 ■



K65 ◆

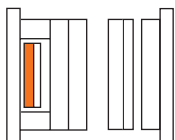


K62 ◇

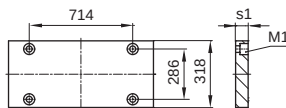


.../446x796 x s1/	1.1730	1.2085	1.2312
27	■ ◆ ◇	■ ◇	

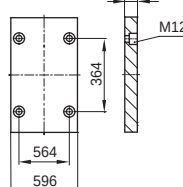
K70
K75
K72



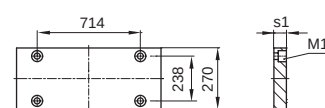
K70 ■



K75 ◆

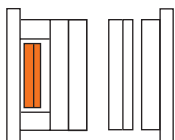


K72 ◇

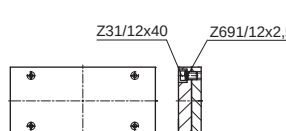


.../446x796 x s1/	1.1730	1.2085	1.2312
36	■ ◆ ◇	■ ◆	■ ◆ ◇

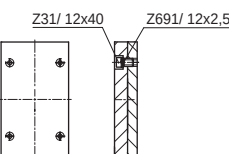
K60-70
K65-75
K62-72



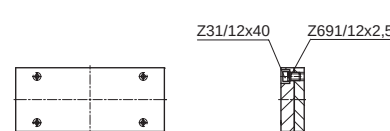
K60-70 ■



K65-75 ◆

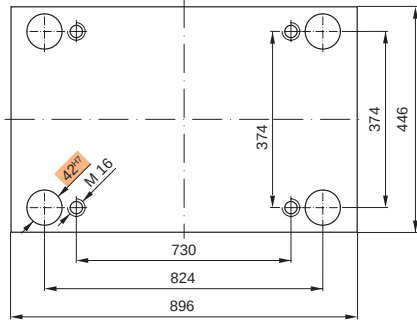


K62-72 ◇



.../446x796 /	1.1730	1.2085	K62-72/446x796/Typ	1.1730	1.2312
	■ ◆	■ ◆	1	K62	K72
			3	K62 K72	

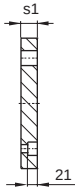
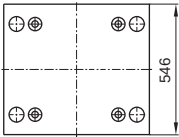
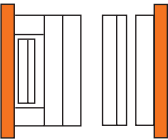
446 x 896



Bestellbeispiel:
Ordering example:
Exemple de commande:

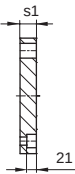
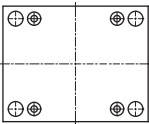
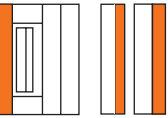
K20 / 446 x 896 x 36 / 1.2085

K11



K11/446x896x s1 /	1.1730	1.2162	1.2085	1.2312
46	■		■	
56	■		■	■

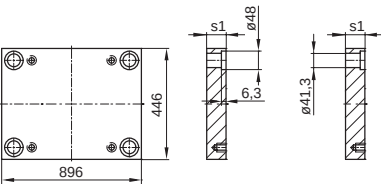
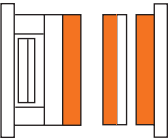
K16



K16/446x896x s1 /	1.1730	1.2162	1.2085	1.2312
36	■		■	
46	■		■	■

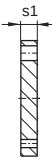
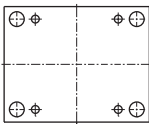
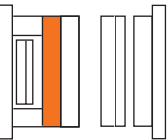
K20
K252

K20 ■ K252 ◆



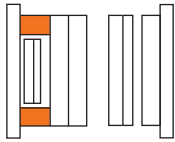
.../446x896 xs1 /	1.1730	1.2162	1.2767	1.2083	1.2085	1.2311	1.2312	1.2343	1.2343 ESU/ESR	Toolox33
27	■				■		■			
36	■				■ ◆	■	■ ◆			■
46	■				■ ◆	■ ◆	■ ◆			■
56	■				■ ◆	■ ◆	■ ◆			■
66	■				■	■	■			
76	■				■ ◆	■ ◆	■ ◆			■
86	■				■	■	■			
96	■				■ ◆	■ ◆	■ ◆			■
116	■				■ ◆	■ ◆	■ ◆			■
136	■				■ ◆	■ ◆	■ ◆			
156	■				■ ◆	■ ◆	■ ◆			
176	■					■	■			

K30

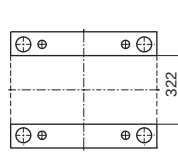


K30/446x896x s1 /	1.1730	1.2162	1.2085	1.2312
46	■		■	■
56	■		■	■
66	■			■
76	■			■
86	■			■
96	■			■
116	■			■

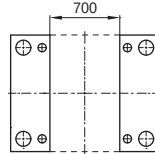
K40
K45
K42



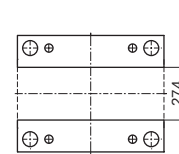
K40 ■



K45 ◆



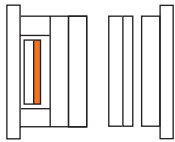
K42 ◇



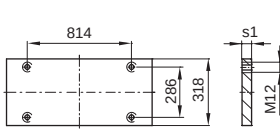
.../446x896 x s1/	1.1730	1.2085	1.2312
76	■ ◆ ◇	■ ◆	
86	■ ◆ ◇	■ ◆	
96	■ ◆ ◇	■ ◆	
116	■ ◆ ◇	■ ◆	

.../446x896 x s1/	1.1730	1.2085	1.2312
136	■ ◆ ◇	■ ◆	
156	■ ◆ ◇	■ ◆	
176	■ ◆ ◇	■	

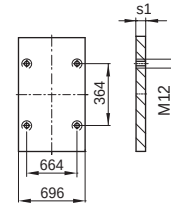
K60
K65
K62



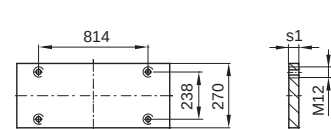
K60 ■



K65 ◆

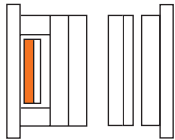


K62 ◇

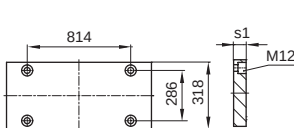


.../446x896 x s1/	1.1730	1.2085	1.2312
27	■ ◆ ◇	■ ◆	

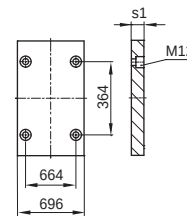
K70
K75
K72



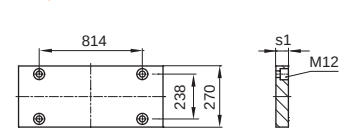
K70 ■



K75 ◆

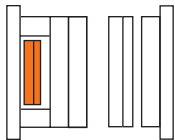


K72 ◇

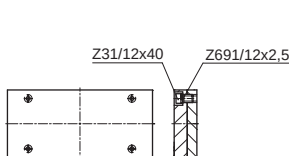


.../446x896 x s1/	1.1730	1.2085	1.2312
36	■ ◆ ◇	■ ◆	■ ◆ ◇

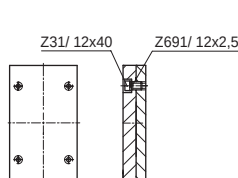
K60-70
K65-75
K62-72



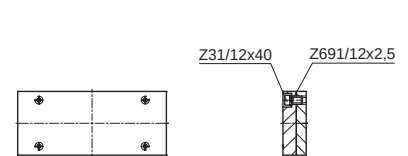
K60-70 ●



K65-75 ◆



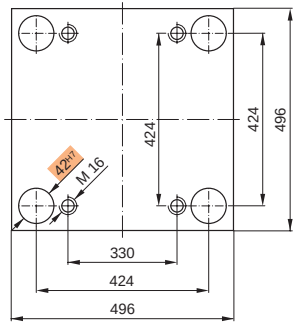
K62-72



.../446x896 /	1.1730	1.2085
	■ ◆	■ ◆

K62-72/446x896/Typ	1.1730	1.2312
1	K62	K72
3	K62 K72	

496 x 496

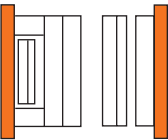


Bestellbeispiel:
Ordering example:
Exemple de commande:

K20 / 496 x 496 x 36 / 1.2085

Neu / New / Nouveau

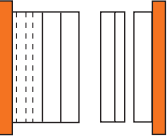
K10
K11



	K10/496x496x s1 /			
	36	1.1730	1.2162	1.2085
	46			1.2312
	56			

	K11/496x496x s1 /			
	36	1.1730	1.2162	1.2085
	46			1.2312
	56			

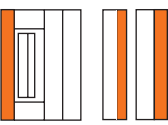
K12
K13



	K12/496x496x s1 /			
	36	1.1730	1.2162	1.2085
	46			1.2312
	56			

	K13/496x496x s1 /			
	36	1.1730	1.2162	1.2085
	46			1.2312
	56			

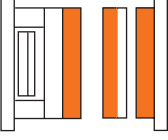
K15
K16



	K15/496x496x s1 /			
	27	1.1730	1.2162	1.2085
	36			1.2312
	46			

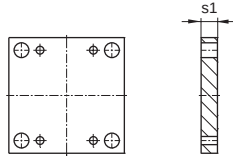
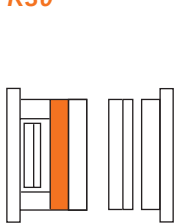
	K16/496x496x s1 /			
	27	1.1730	1.2162	1.2085
	36			1.2312
	46			

K20
K252



	K20			
	K252			
	...			
	/496x496 xs1 /			
	27	1.1730	1.2162	1.2767
	36			1.2083
	46			1.2085
	56			1.2311
	66			1.2312
	76			1.2343
	86			1.2343 ESU/ESR
	96			Toolox33
	106			
	116			
	126			
	136			
	156			
	176			
	196			

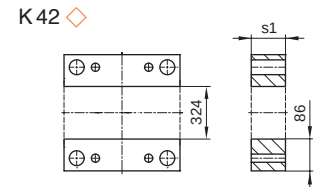
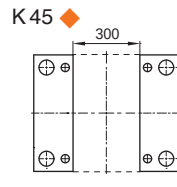
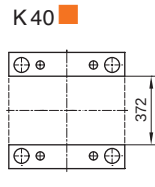
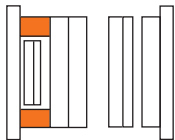
K30



K 30/496x496 x s1/	1.1730	1.2085	1.2312
46	■	■	■
56	■	■	■
66	■		■
76	■		■

K 30/496x496 x s1/	1.1730	1.2085	1.2312
86	■		■
96	■		■
116	■		■

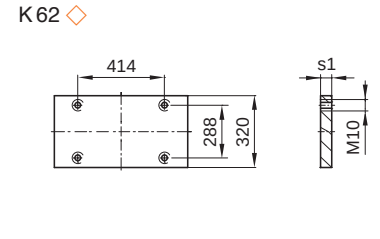
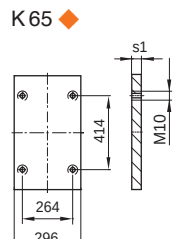
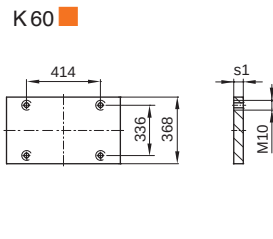
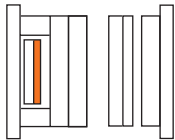
K40 K45 K42



.../496x496 x s1/	1.1730	1.2085	1.2312
66	■ ◆ ◇	■ ◆	
76	■ ◆ ◇	■ ◆	
86	■ ◆ ◇	■ ◆	
96	■ ◆ ◇	■ ◆	

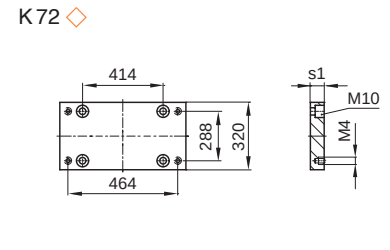
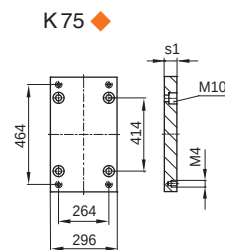
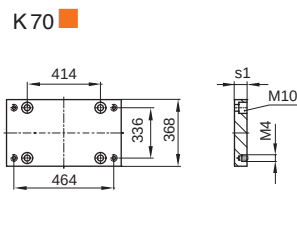
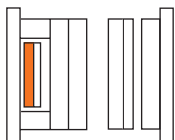
.../496x496 x s1/	1.1730	1.2085	1.2312
116	■ ◆ ◇	■ ◆	
136	■ ◆ ◇	■ ◆	
156	■ ◆ ◇	■ ◆	
176	■ ◆ ◇	■ ◆	

K60 K65 K62



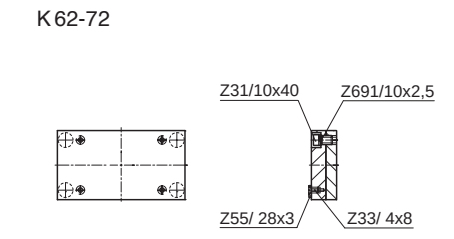
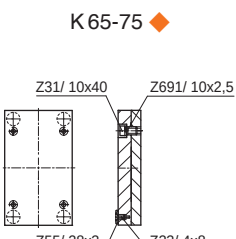
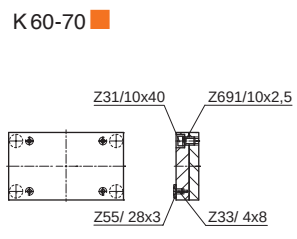
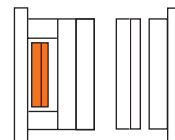
.../496x496 x s1/	1.1730	1.2085	1.2312
27	■ ◆ ◇	■ ◆	

K70 K75 K72



.../496x496 x s1/	1.1730	1.2085	1.2312
36	■ ◆ ◇	■ ◆	■ ◆ ◇

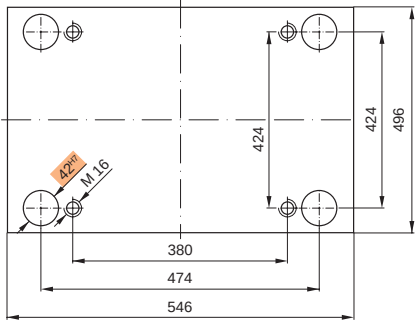
K60-70 K65-75 K62-72



.../496x496 /	1.1730	1.2085
	■ ◆	■ ◆

K62-72/496x496/Typ	1.1730	1.2312
1	K 62	K 72
3	K 62 K 72	

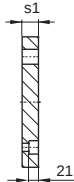
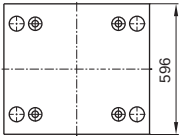
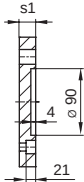
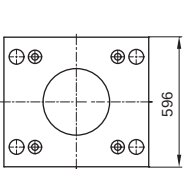
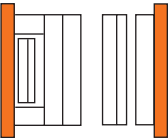
496 x 546



Bestellbeispiel:
Ordering example:
Exemple de commande:

K20 / 496 x 546 x 36 / 1.2085

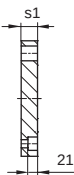
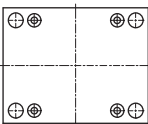
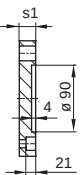
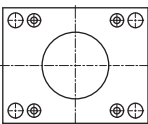
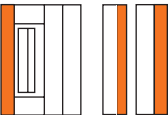
K10
K11



K10/496x546x s1 /	1.1730	1.2162	1.2085	1.2312
36	■		■	
46	■		■	
56	■		■	■

K11/496x546x s1 /	1.1730	1.2162	1.2085	1.2312
36	■		■	
46	■		■	
56	■		■	■

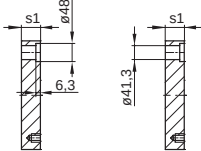
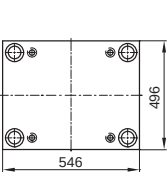
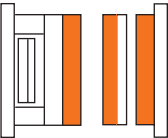
K15
K16



K15/496x546x s1 /	1.1730	1.2162	1.2085	1.2312
27	■		■	
36	■		■	
46	■		■	■

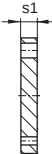
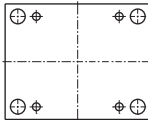
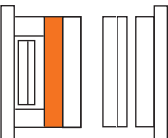
K16/496x546x s1 /	1.1730	1.2162	1.2085	1.2312
27	■		■	
36	■		■	
46	■		■	■

K20
K252



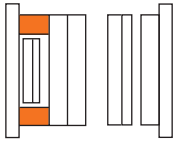
.../496x546 x s1 /	1.1730	1.2162	1.2767	1.2083	1.2085	1.2311	1.2312	1.2343	1.2343 ESU/ESR	Toolox33
27	■				■	■	■			■
36	■				■	■	■			■
46	■				■	■	■			■
56	■				■	■	■	■		■
66	■				■	■	■	■		■
76	■				■	■	■	■	■	■
86	■				■	■	■	■	■	■
96	■				■	■	■	■	■	■
116	■				■	■	■	■	■	■
136	■				■	■	■	■	■	■
156	■				■	■	■	■	■	■
176	■				■	■	■	■	■	■

K30

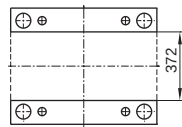


K30/496x546x s1 /	1.1730	1.2162	1.2085	1.2312
46	■		■	■
56	■		■	■
66	■		■	■
76	■		■	■
86	■		■	■
96	■		■	■
116	■		■	■

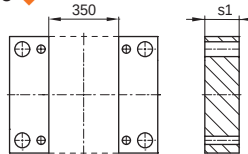
K40
K45
K42



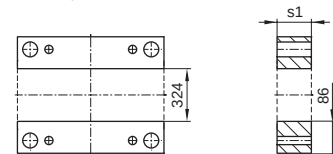
K40 ■



K45 ◆



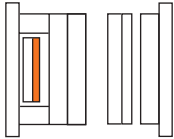
K42 ◇



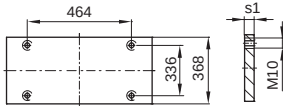
.../496x546 x s1/	1.1730	1.2085	1.2312
66	■ ◆ ◇	■ ◆	
76	■ ◆ ◇	■ ◆	
86	■ ◆ ◇	■ ◆	
96	■ ◆ ◇	■ ◆	

.../496x546 x s1/	1.1730	1.2085	1.2312
116	■ ◆ ◇	■ ◆	
136	■ ◆ ◇	■ ◆	
156	■ ◆ ◇	■ ◆	
176	■ ◆ ◇	■ ◆	

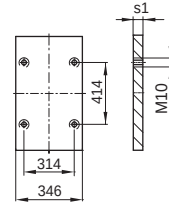
K60
K65
K62



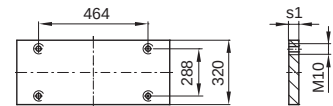
K60 ■



K65 ◆

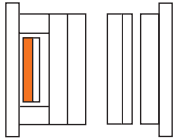


K62 ◇

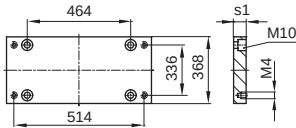


.../496x546 x s1/	1.1730	1.2085	1.2312
27	■ ◆ ◇	■ ◆	

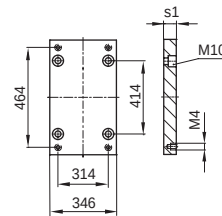
K70
K75
K72



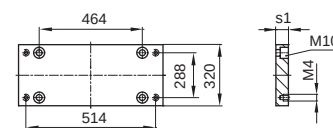
K70 ■



K75 ◆

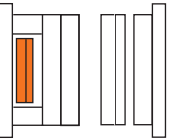


K72 ◇

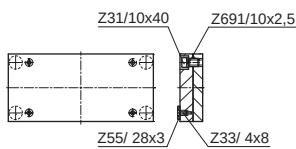


.../496x546 x s1/	1.1730	1.2085	1.2312
36	■ ◆ ◇	■ ◆	■ ◆ ◇

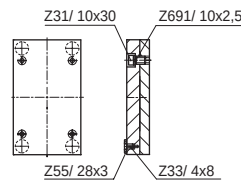
K60-70
K65-75
K62-72



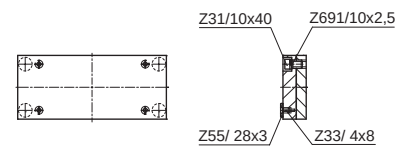
K60-70 ■



K65-75 ◆

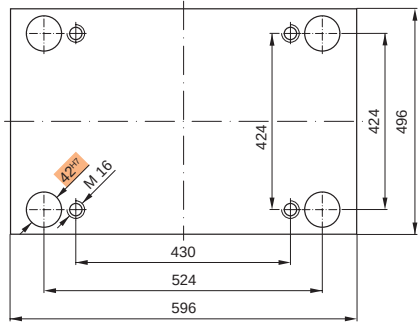


K62-72 ◇



.../496x546 /	1.1730	1.2085	K62-72/496x546/Typ	1.1730	1.2312
	■ ◆	■ ◆	1	K62	K72
			3	K62 K72	

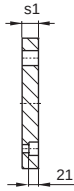
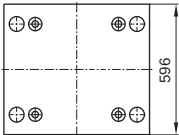
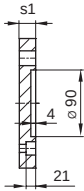
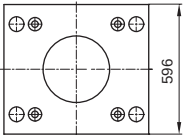
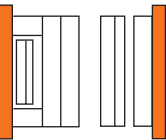
496 x 596



Bestellbeispiel:
Ordering example:
Exemple de commande:

K20 / 496 x 596 x 36 / 1.2085

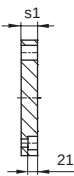
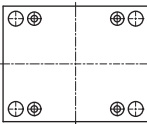
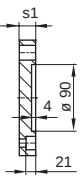
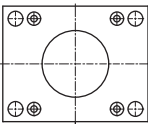
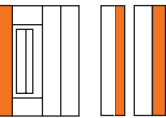
K10
K11



K10/496x596x s1 /	1.1730	1.2162	1.2085	1.2312
46	■		■	
56	■		■	■

K11/496x596x s1 /	1.1730	1.2162	1.2085	1.2312
46	■		■	
56	■		■	■

K15
K16

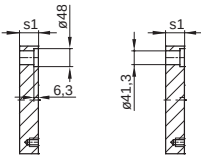
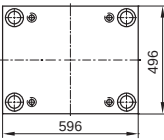
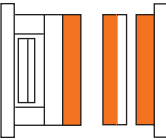


K15/496x596x s1 /	1.1730	1.2162	1.2085	1.2312
36	■		■	
46	■		■	■

K16/496x596x s1 /	1.1730	1.2162	1.2085	1.2312
36	■		■	
46	■		■	■

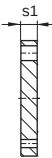
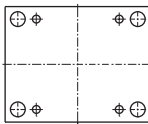
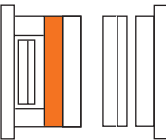
K20
K252

K20 ■ K252 ◆



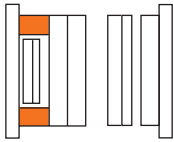
.../496x596 x s1 /	1.1730	1.2162	1.2767	1.2083	1.2085	1.2311	1.2312	1.2343	1.2343 ESU/ESR	Toolox33
27	■				■		■			
36	■				■ ◆		■ ◆			■
46	■				■ ◆	■ ◆	■ ◆			■
56	■				■ ◆	■ ◆	■ ◆	◆		■
66	■				■ ◆	■ ◆	■ ◆	◆		■
76	■				■ ◆	■ ◆	■ ◆	◆	◆	■
86	■				■ ◆	■ ◆	■ ◆	◆		■
96	■				■ ◆	■ ◆	■ ◆	◆	◆	■
116	■				■ ◆	■ ◆	■ ◆	◆	◆	■
136	■				■ ◆	■ ◆	■ ◆	◆	◆	
156	■				■ ◆	■ ◆	■ ◆	◆	◆	
176	■				■ ◆	■ ◆	■ ◆			

K30

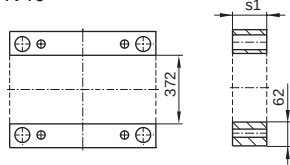


K30/496x596x s1 /	1.1730	1.2162	1.2085	1.2312
46	■		■	■
56	■		■	■
66	■			■
76	■			■
86	■			■
96	■			■
116	■			■

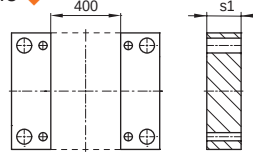
K40
K45
K42



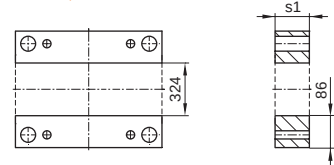
K40 ■



K45 ◆

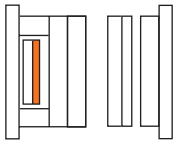


K42 ◇

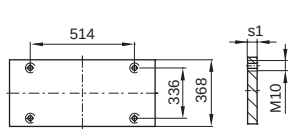


.../496x596 x s1/	1.1730	1.2085	1.2312	.../496x596 x s1/	1.1730	1.2085	1.2312
66	■ ◆ ◇	■ ◆		116	■ ◆ ◇	■ ◇	
76	■ ◆ ◇	■ ◆		136	■ ◆ ◇	■ ◇	
86	■ ◆ ◇	■ ◆		156	■ ◇	■	
96	■ ◆ ◇	■ ◆		176	■ ◇	■	

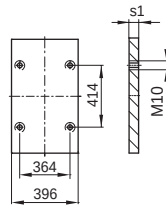
K60
K65
K62



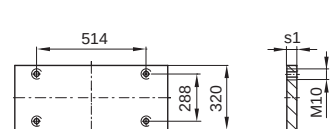
K60 ■



K65 ◆

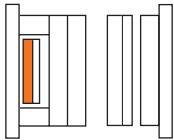


K62 ◇

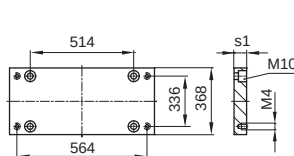


.../496x596 x s1/	1.1730	1.2085	1.2312
27	■ ◆ ◇	■ ◆	

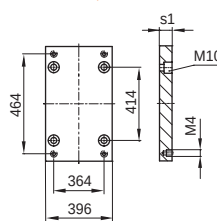
K70
K75
K72



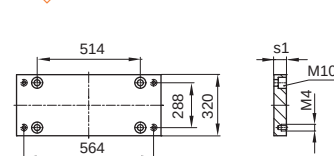
K70 ■



K75 ◆

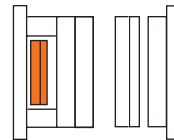


K72 ◇

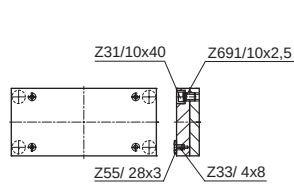


.../496x596 x s1/	1.1730	1.2085	1.2312
36	■ ◆ ◇	■ ◆	■ ◆ ◇

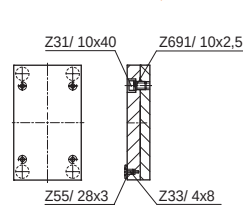
K60-70
K65-75
K62-72



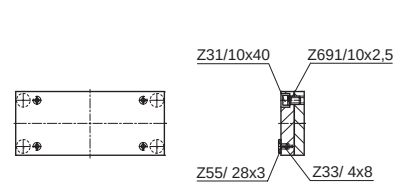
K60-70 ■



K65-75 ◆

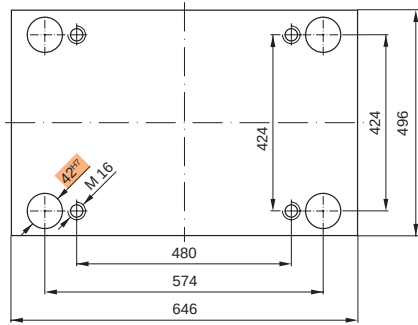


K62-72 ◇



.../496x596 /	1.1730	1.2085	K62-72/496x596/Typ	1.1730	1.2312
	■ ◆	■ ◆	1	K62	K72
			3	K62 K72	

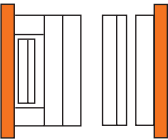
496 x 646



Bestellbeispiel:
Ordering example:
Exemple de commande:

K20 / 496 x 646 x 36 / 1.2085

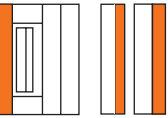
K 10
K 11



K 10/496x646x s1 /	1.1730	1.2162	1.2085	1.2312
46	■		■	
56	■		■	■

K 11/496x646x s1 /	1.1730	1.2162	1.2085	1.2312
46	■		■	
56	■		■	■

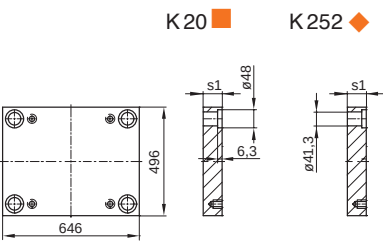
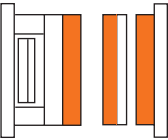
K 15
K 16



K 15/496x646x s1 /	1.1730	1.2162	1.2085	1.2312
36	■		■	
46	■		■	■

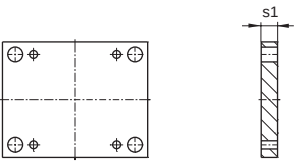
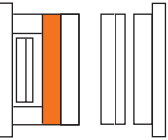
K 16/496x646x s1 /	1.1730	1.2162	1.2085	1.2312
36	■		■	
46	■		■	■

K20
K252



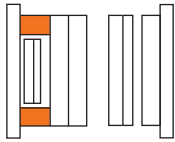
.../496x646 x s1 /	1.1730	1.2162	1.2767	1.2083	1.2085	1.2311	1.2312	1.2343	1.2343 ESU/ESR	Toolox33
27	■				■		■			
36	■				■	■	■			■
46	■				■	■	■			■
56	■				■	■	■			■
66	■				■	■	■			■
76	■				■	■	■			■
86	■				■	■	■			■
96	■				■	■	■			■
116	■				■	■	■			■
136	■				■	■	■			
156	■				■	■	■			
176	■				■	■	■			

K30

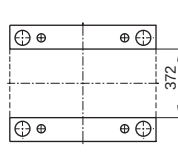


K30/496x646x s1 /	1.1730	1.2162	1.2085	1.2312
46	■		■	■
56	■		■	■
66	■			■
76	■			■
86	■			■
96	■			■
116	■			■

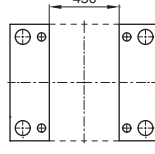
K40
K45
K42



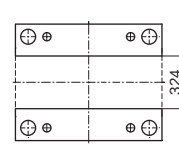
K40



K45

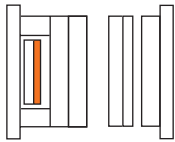


K42

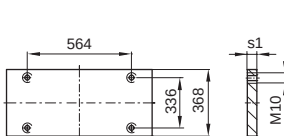


.../496x646 x s1/	1.1730	1.2085	1.2312	.../496x646 x s1/	1.1730	1.2085	1.2312
76	■ ◆ ◇	■ ◆		136	■ ◆ ◇	■ ◆	
86	■ ◆ ◇	■ ◆		156	■ ◆ ◇	■	
96	■ ◆ ◇	■ ◆		176	■ ◆ ◇	■	
116	■ ◆ ◇	■ ◆					

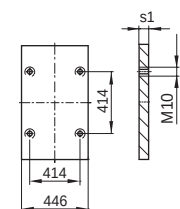
K60
K65
K62



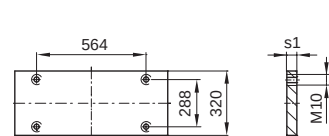
K60



K65

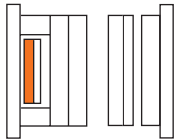


K62

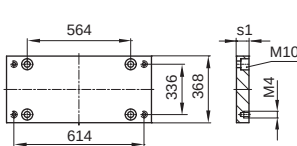


.../496x646 x s1/	1.1730	1.2085	1.2312
27	■ ◆ ◇	■ ◆	

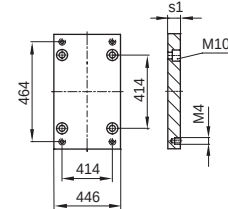
K70
K75
K72



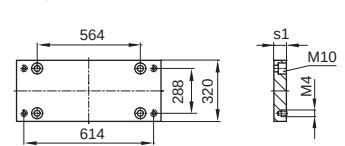
K70



K75

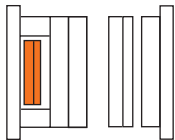


K72

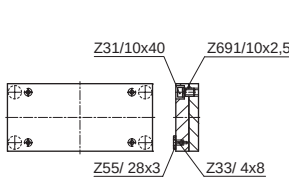


.../496x646 x s1/	1.1730	1.2085	1.2312
36	■ ◆ ◇	■ ◆	■ ◆ ◇

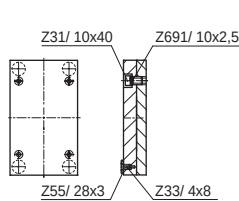
K60-70
K65-75
K62-72



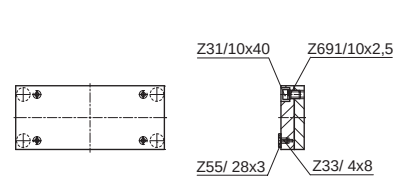
K60-70



K65-75

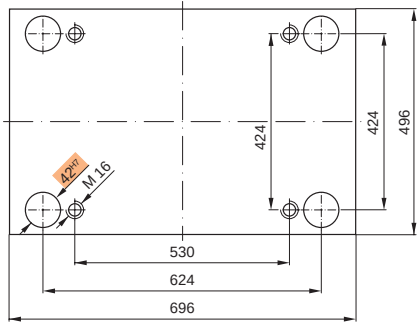


K62-72



.../496x646 /	1.1730	1.2085	K62-72/496x646/Typ	1.1730	1.2312
	■ ◆	■ ◆	1	K 62	K 72
			3	K 62 K 72	

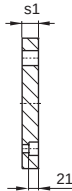
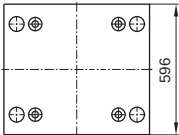
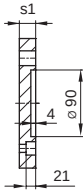
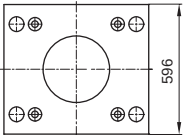
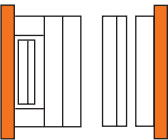
496 x 696



Bestellbeispiel:
Ordering example:
Exemple de commande:

K20 / 496 x 696 x 36 / 1.2085

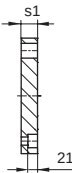
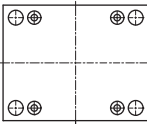
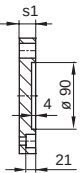
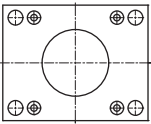
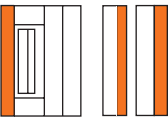
K10
K11



K10/496x696x s1 /	1.1730	1.2162	1.2085	1.2312
46	■		■	
56	■		■	■

K11/496x696x s1 /	1.1730	1.2162	1.2085	1.2312
46	■		■	
56	■		■	■

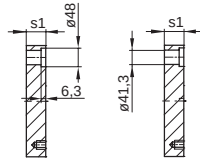
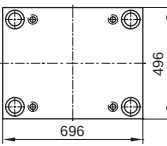
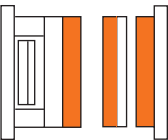
K15
K16



K15/496x696x s1 /	1.1730	1.2162	1.2085	1.2312
36	■		■	
46	■		■	■

K16/496x696x s1 /	1.1730	1.2162	1.2085	1.2312
36	■		■	
46	■		■	■

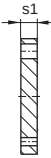
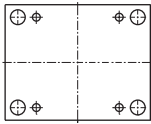
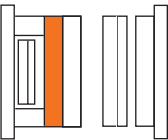
K20
K252



K20 ■ K252 ◆

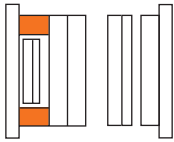
.../496x696 x s1 /	1.1730	1.2162	1.2767	1.2083	1.2085	1.2311	1.2312	1.2343	1.2343 ESU/ESR	Toolox33
27	■				■		■			
36	■				■ ◆	■ ◆	■ ◆			■
46	■				■ ◆	■ ◆	■ ◆			■
56	■				■ ◆	■ ◆	■ ◆			■
66	■				■ ◆	■ ◆	■ ◆			■
76	■				■ ◆	■ ◆	■ ◆			■
86	■				■ ◆	■ ◆	■ ◆			■
96	■				■ ◆	■ ◆	■ ◆			■
116	■				■ ◆	■ ◆	■ ◆			■
136	■				■ ◆	■ ◆	■ ◆			
156	■				■ ◆	■ ◆	■ ◆			
176	■				■ ◆	■ ◆	■ ◆			

K30

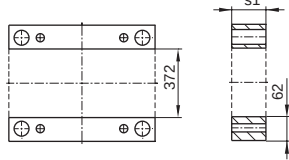


K30/496x696x s1 /	1.1730	1.2162	1.2085	1.2312
46	■		■	■
56	■		■	■
66	■			■
76	■			■
86	■			■
96	■			■
116	■			■

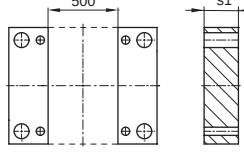
K40
K45
K42



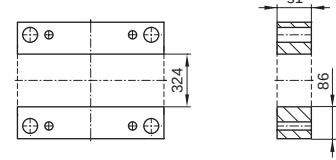
K40 ■



K45 ◆



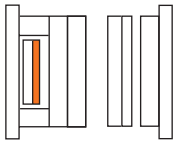
K42 ◇



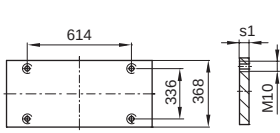
.../496x696 x s1/	1.1730	1.2085	1.2312
76	■ ◆ ◇	■ ◆	
86	■ ◆ ◇	■ ◆	
96	■ ◆ ◇	■ ◆	
116	■ ◆ ◇	■ ◆	

.../496x696 x s1/	1.1730	1.2085	1.2312
136	■ ◆ ◇	■ ◆	
156	■ ◆ ◇	■ ◆	
176	■ ◆ ◇	■ ◆	

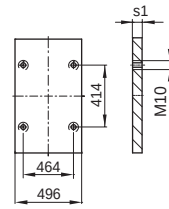
K60
K65
K62



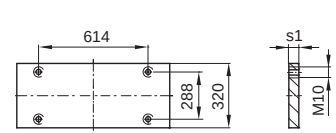
K60 ■



K65 ◆

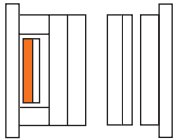


K62 ◇

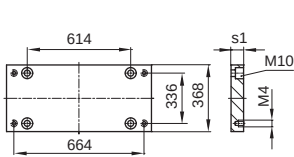


.../496x696 x s1/	1.1730	1.2085	1.2312
27	■ ◆ ◇	■ ◆	

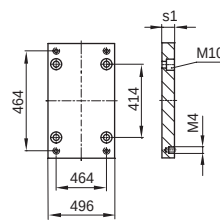
K70
K75
K72



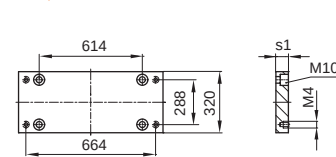
K70 ■



K75 ◆

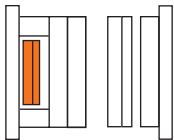


K72 ◇

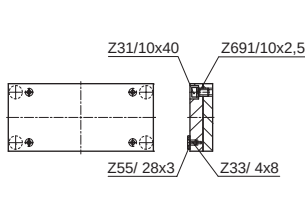


.../496x696 x s1/	1.1730	1.2085	1.2312
36	■ ◆ ◇	■ ◆	■ ◆ ◇

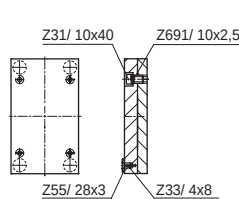
K60-70
K65-75
K62-72



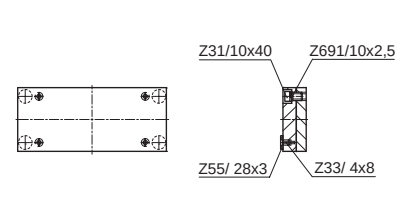
K60-70 ■



K65-75 ◆



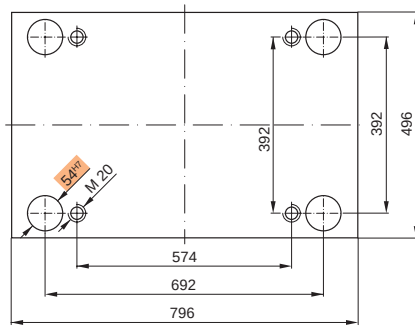
K62-72 ◇



.../496x696 /	1.1730	1.2085
	■ ◆	■ ◆

K62-72/496x696/Typ	1.1730	1.2312
1	K62	K72
3	K62 K72	

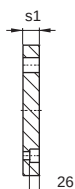
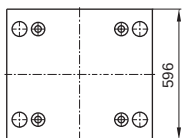
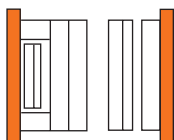
496 x 796



Bestellbeispiel:
Ordering example:
Exemple de commande:

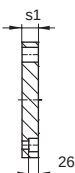
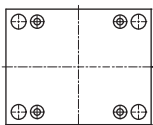
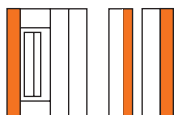
K20 / 496 x 796 x 56 / 1.2085

K11



K11/496x796x s1 /	1.1730	1.2162	1.2085	1.2312
56	■		■	■

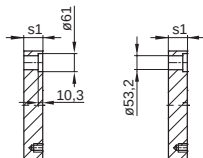
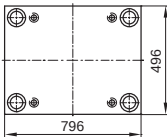
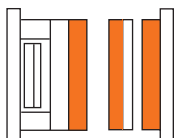
K16



K 16/496x796x s1 /	1.1730	1.2162	1.2085	1.2312
46	■		■	■

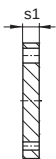
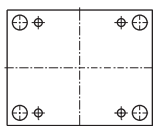
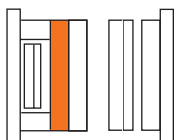
K20
K252

K 20 K 252



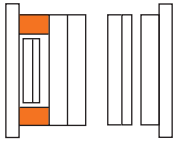
.../496x796 xs1/		1.1730	1.2162	1.2767	1.2083	1.2085	1.2311	1.2312	1.2343	1.2343 ESU/ESR	Toolox33
	36	■				■◆	■◆	■◆			■
	46	■				■◆	■◆	■◆			■
	56	■				■◆	■◆	■◆			■
	66	■				■◆	■◆	■◆			■
	76	■				■◆	■◆	■◆			■
	86	■				■◆	■◆	■◆			■
	96	■				■◆	■◆	■◆			■
	116	■				■◆	■◆	■◆			■
	136	■				■◆	■◆	■◆			
	156	■				■◆	■◆	■◆			
	176	■				■◆	■◆	■◆			
	196	■				■◆	■◆	■◆			

K30

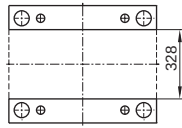


K30/496x796x s1 /	1.1730	1.2162	1.2085	1.2312
46	■			■
56	■		■	■
76	■		■	■
86	■			■
96	■			■
116	■			■

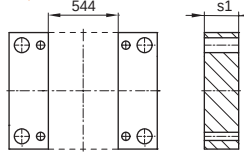
K40
K45
K42



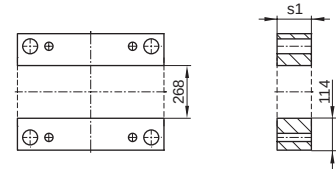
K40 ■



K45 ◆



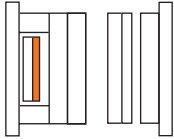
K42 ◇



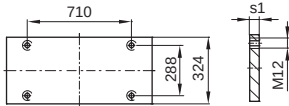
... /496x796 x s1/	1.1730	1.2085	1.2312
86	■ ◆ ◇	■	
96	■ ◆ ◇	■ ◆	
116	■ ◆ ◇	■ ◆	

... /496x796 x s1/	1.1730	1.2085	1.2312
136	■ ◆ ◇	■ ◆	
156	■ ◆ ◇	■ ◆	
176		◇	

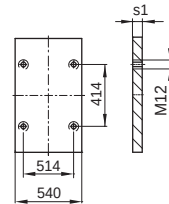
K60
K65
K62



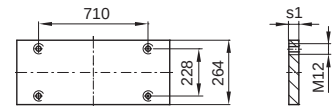
K60 ■



K65 ◆

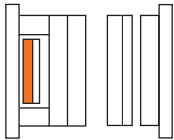


K62 ◇

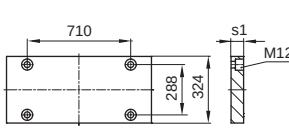


... /496x796 x s1/	1.1730	1.2085	1.2312
27	■ ◆ ◇	■ ◆	

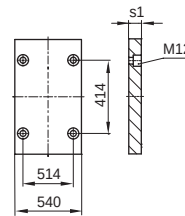
K70
K75
K72



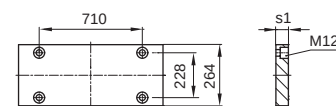
K70 ■



K75 ◆

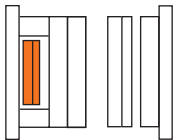


K72 ◇

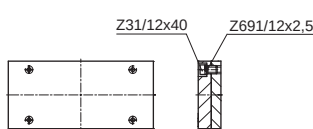


... /496x796 x s1/	1.1730	1.2085	1.2312
36	■ ◆ ◇	■ ◆	■ ◆ ◇

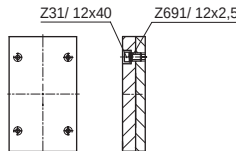
K60-70
K65-75
K62-72



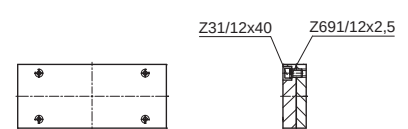
K60-70 ■



K65-75 ◆



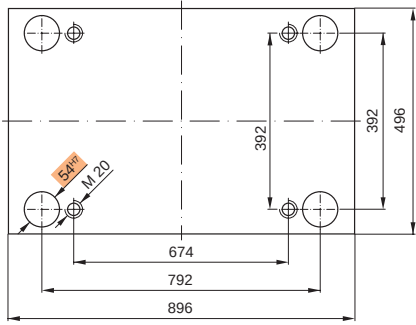
K62-72



... /496x796 /	1.1730	1.2085
	■ ◆	■ ◆

K62-72/496x796/Typ	1.1730	1.2312
1	K62	K72
3	K62 K72	

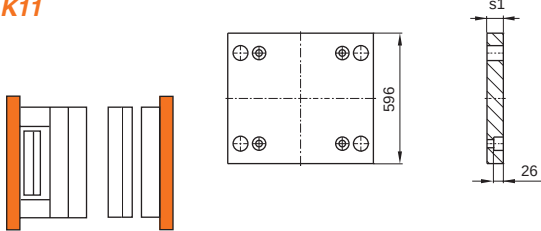
496 x 896



Bestellbeispiel:
Ordering example:
Exemple de commande:

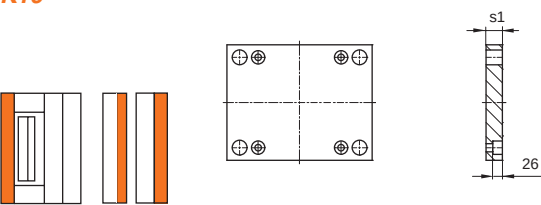
K20 / 496 x 896 x 56 / 1.2085

K11



K11/496x896x s1 /	1.1730	1.2162	1.2085	1.2312
56	■		■	● ■

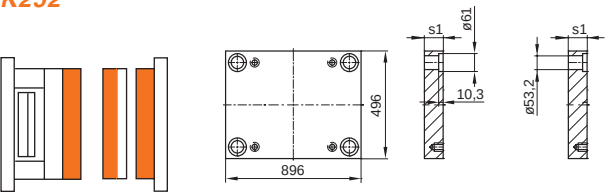
K16



K16/496x896x s1 /	1.1730	1.2162	1.2085	1.2312
46	■		■	■

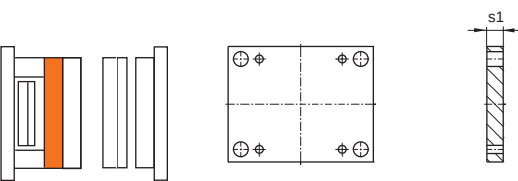
K20
K252

K 20 ■ K 252 ◆



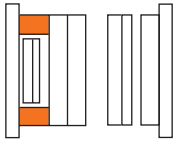
.../496x896 x s1 /	1.1730	1.2162	1.2767	1.2083	1.2085	1.2311	1.2312	1.2343	1.2343 ESU/ESR	Toolox33
36	■				■		■			
46	■				■ ◆	■ ◆	■ ◆			■
56	■				■ ◆	■ ◆	■ ◆			■
66	■				■ ◆	■ ◆	■ ◆			■
76	■				■ ◆	■ ◆	■ ◆			■
86	■				■ ◆	■ ◆	■ ◆			■
96	■				■ ◆	■ ◆	■ ◆			■
116	■				■ ◆	■ ◆	■ ◆			■
136	■				■ ◆	■ ◆	■ ◆			
156	■				■ ◆	■ ◆	■ ◆			
176	■				■ ◆	■ ◆	■ ◆			
196	■				■ ◆	■ ◆	■ ◆			

K30

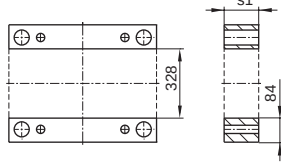


K30/496x896x s1 /	1.1730	1.2162	1.2085	1.2312
46	■			■
56	■		■	■
76	■		■	■
86	■			■
96	■			■
116	■			

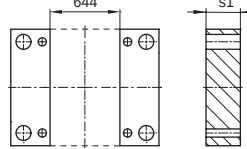
K40
K45
K42



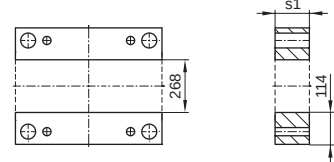
K40 ■



K45 ◆



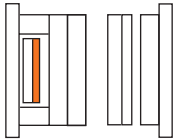
K42 ◇



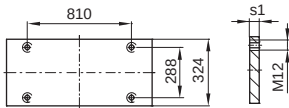
... /496x896 x s1/	1.1730	1.2085	1.2312
86	◆		
96	■ ◆ ◇	■ ◆	
116	■ ◆ ◇	■ ◆	

... /496x896 x s1/	1.1730	1.2085	1.2312
136	■ ◆ ◇	■ ◆	
156	■ ◆ ◇	■ ◆	
176	■ ◆ ◇		

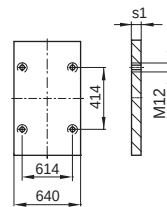
K60
K65
K62



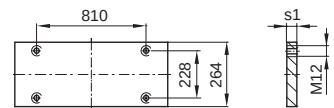
K60 ■



K65 ◆

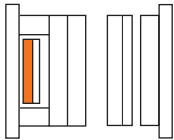


K62 ◇

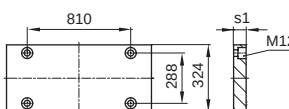


... /496x896 x s1/	1.1730	1.2085	1.2312
27	■ ◆ ◇	■ ◆	

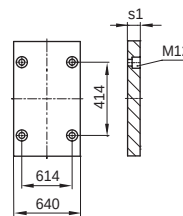
K70
K75
K72



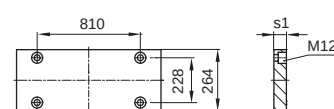
K70 ■



K75 ◆

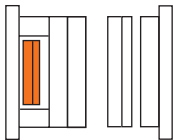


K72 ◇

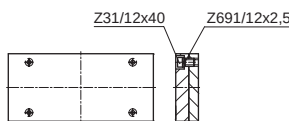


... /496x896 x s1/	1.1730	1.2085	1.2312
36	■ ◆ ◇	■ ◆ ◇	■ ◆ ◇

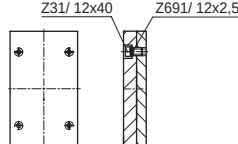
K60-70
K65-75
K62-72



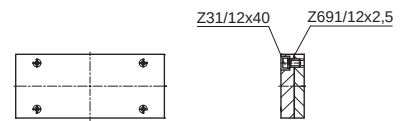
K60-70 ■



K65-75 ◆



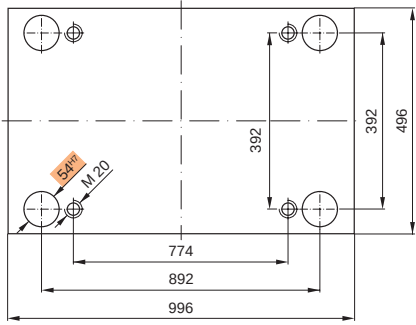
K62-72 ◇



... /496x896 /	1.1730	1.2085
	■ ◆	■ ◆

K62-72/496x896/Typ	1.1730	1.2312
1	K62	K72
3	K62 K 72	

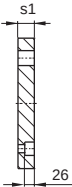
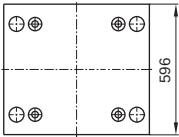
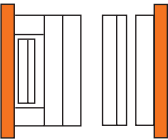
496 x 996



Bestellbeispiel:
Ordering example:
Exemple de commande:

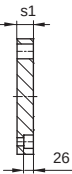
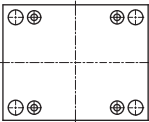
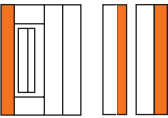
K20 / 496 x 996 x 56 / 1.2085

K11



K11/496x996x s1 /	1.1730	1.2162	1.2085	1.2312
56	■		■	■

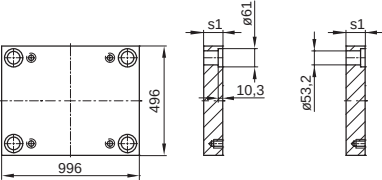
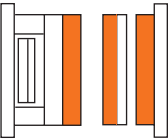
K16



K16/496x996x s1 /	1.1730	1.2162	1.2085	1.2312
46	■		■	■

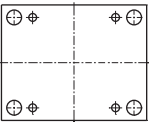
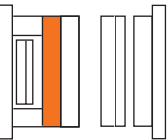
K20
K252

K20 ■ K252 ◆



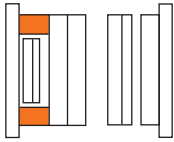
.../496x996 x s1 /	1.1730	1.2162	1.2767	1.2083	1.2085	1.2311	1.2312	1.2343	1.2343 ESU/ESR	Toolox33
36	■				■		■			
46	■				■ ◆	■ ◆	■ ◆			■
56	■				■ ◆	■ ◆	■ ◆			■
66	■				■ ◆	■ ◆	■ ◆			■
76	■				■ ◆	■ ◆	■ ◆			■
86	■				■ ◆	■ ◆	■ ◆			■
96	■				■ ◆	■ ◆	■ ◆			■
116	■				■ ◆	■ ◆	■ ◆			■
136	■				■ ◆	■ ◆	■ ◆			
156	■				■ ◆	■ ◆	■ ◆			
176	■				■ ◆	■ ◆	■ ◆			
196	■				■ ◆	■ ◆	■ ◆			

K30

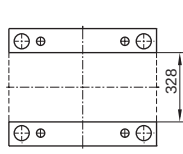


K30/496x996x s1 /	1.1730	1.2162	1.2085	1.2312
46	■			■
56	■		■	■
76	■		■	■
86	■			■
96	■			■
116	■			

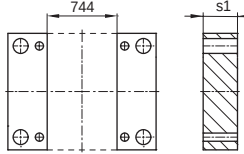
K40
K45
K42



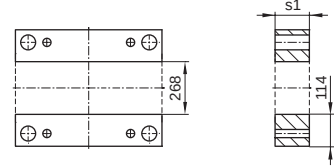
K40 ■



K45 ◆



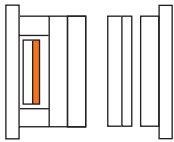
K42 ◇



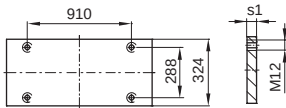
... /496x996 x s1/	1.1730	1.2085	1.2312
86	■ ◆ ◇		
96	■ ◆ ◇	■ ◆	
116	■ ◆ ◇	■ ◆	

... /496x996 x s1/	1.1730	1.2085	1.2312
136	■ ◆ ◇	■ ◆	
156	■ ◆ ◇	■ ◆	
176	■ ◆ ◇		

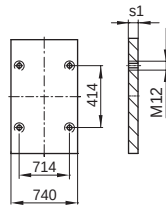
K60
K65
K62



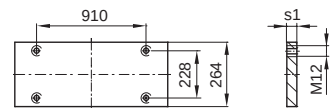
K60 ■



K65 ◆

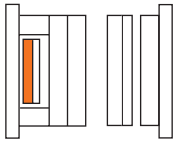


K62 ◇

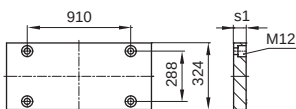


... /496x996 x s1/	1.1730	1.2085	1.2312
27	■ ◆ ◇	■ ◆	

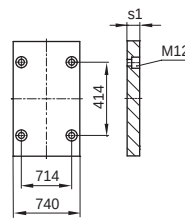
K70
K75
K72



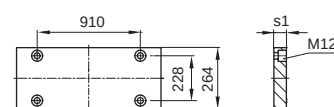
K70 ■



K75 ◆

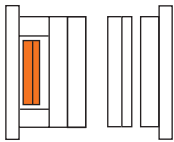


K72 ◇

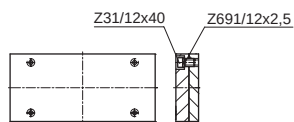


... /496x996 x s1/	1.1730	1.2085	1.2312
36	■ ◆ ◇	■ ◆	■ ◆ ◇

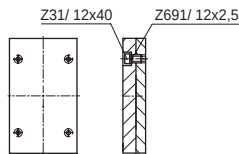
K60-70
K65-75
K62-72



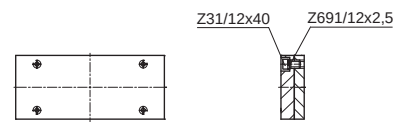
K60-70 ■



K65-75 ◆



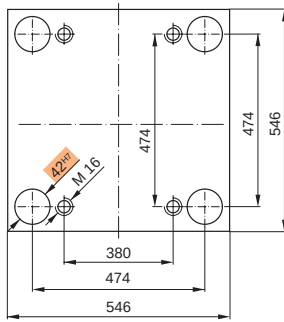
K62-72 ◇



... /496x996 /	1.1730	1.2085
	■ ◆	■ ◆

K62-72/496x996/Typ	1.1730	1.2312
1	K62	K72
3	K62 K72	

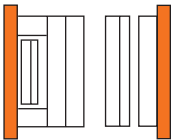
546 x 546



Bestellbeispiel:
Ordering example:
Exemple de commande:

K20 / 546 x 546 x 36 / 1.2085

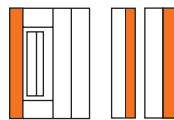
K10 K11



K10/546x546x s1 /	1.1730	1.2162	1.2085	1.2312
46	■		■	
56	■		■	■

K11/546x546x s1 /	1.1730	1.2162	1.2085	1.2312
46	■		■	
56	■		■	■

K15 K16

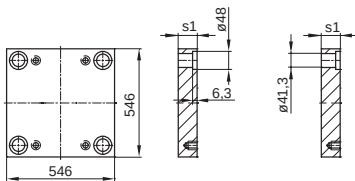
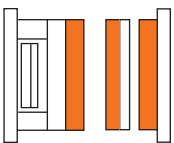


K15/546x546x s1 /	1.1730	1.2162	1.2085	1.2312
36	■		■	
46	■		■	■

K16/546x546x s1 /	1.1730	1.2162	1.2085	1.2312
36	■		■	
46	■		■	■

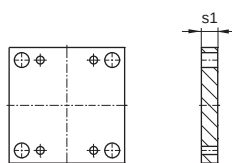
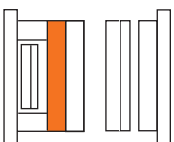
K20 K252

K20 ■ K252 ◆



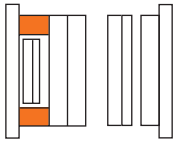
.../546x546 x s1 /	1.1730	1.2162	1.2767	1.2083	1.2085	1.2311	1.2312	1.2343	1.2343 ESU/ESR	Toolox33
27	■						■			
36	■				■ ◆		■ ◆			■
46	■				■ ◆	■ ◆	■ ◆			■
56	■				■ ◆	■ ◆	■ ◆			■
66	■				■ ◆	■ ◆	■ ◆			■
76	■				■ ◆	■ ◆	■ ◆	◆	◆	■
86	■				■ ◆	■ ◆	■ ◆			■
96	■				■ ◆	■ ◆	■ ◆	◆	◆	■
116	■				■ ◆	■ ◆	■ ◆	◆	◆	■
136	■				■ ◆	■ ◆	■ ◆	◆	◆	
156	■				■ ◆	■ ◆	■ ◆	◆	◆	
176	■				■ ◆	■ ◆	■ ◆			
196	■				■ ◆	■ ◆	■ ◆			

K30

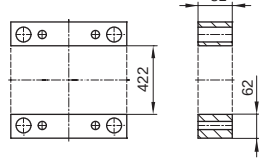


K30/546x546x s1 /	1.1730	1.2162	1.2085	1.2312
46	■		■	■
56	■		■	■
66	■			■
76	■			■
86	■			■
96	■			■
116	■			■

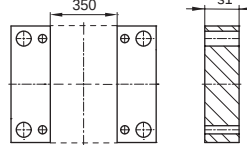
K40
K45
K42



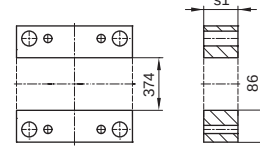
K 40



K 45



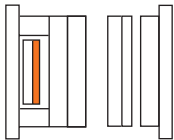
K 42



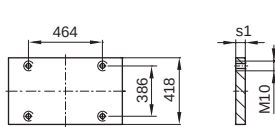
.../546x546 x s1/	1.1730	1.2085	1.2312
66	■ ◆ ◇	■ ◆	
76	■ ◆ ◇	■ ◆	
86	■ ◆ ◇	■ ◆	
96	■ ◆ ◇	■ ◆	

.../546x546 x s1/	1.1730	1.2085	1.2312
116	■ ◆ ◇	■ ◆	
136	■ ◆ ◇	■ ◆	
156	■ ◆ ◇	■	
176	■ ◆ ◇		

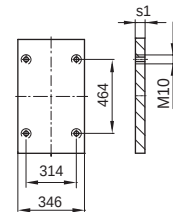
K60
K65
K62



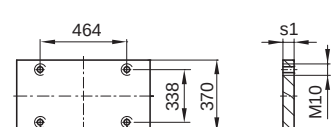
K 60



K 65



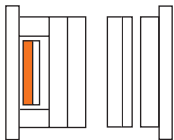
K 62



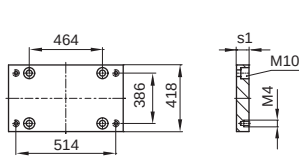
.../546x546 x s1/	1.1730	1.2085	1.2312
27	■ ◆ ◇	■ ◆	



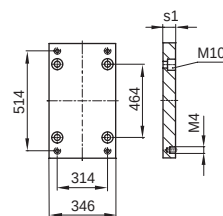
K70
K75
K72



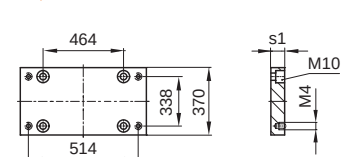
K 70



K 75

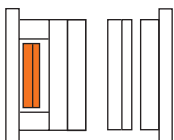


K 72

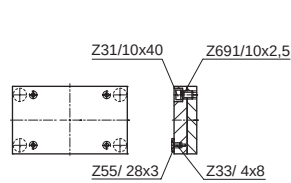


.../546x546 x s1/	1.1730	1.2085	1.2312
36	■ ◆ ◇	■ ◆	■ ◆ ◇

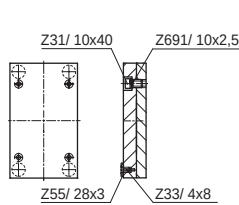
K60-70
K65-75
K62-72



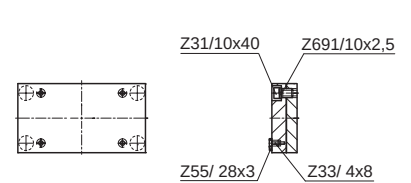
K 60-70



K 65-75



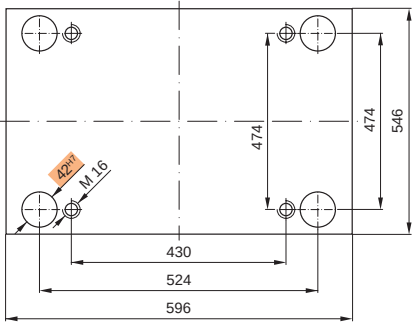
K 62-72



.../546x546 /	1.1730	1.2085
	● ◆	● ◆

K 62-72/546x546/Typ	1.1730	1.2312
1	K 62	K 72
3	K 62 K 72	

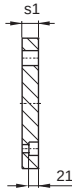
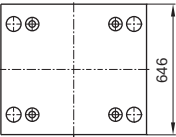
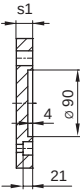
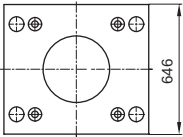
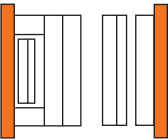
546 x 596



Bestellbeispiel:
Ordering example:
Exemple de commande:

K20 / 546 x 596 x 36 / 1.2085

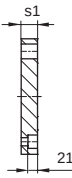
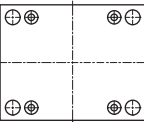
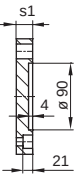
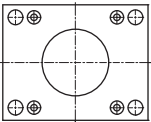
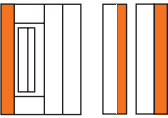
K10
K11



K10/546x596x s1 /	1.1730	1.2162	1.2085	1.2312
46	■		■	
56	■		■	■

K11/546x596x s1 /	1.1730	1.2162	1.2085	1.2312
46	■		■	
56	■		■	■

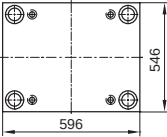
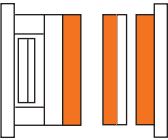
K15
K16



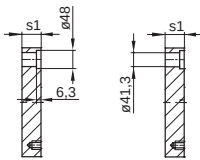
K15/546x596x s1 /	1.1730	1.2162	1.2085	1.2312
36	■		■	
46	■		■	■

K16/546x596x s1 /	1.1730	1.2162	1.2085	1.2312
36	■		■	
46	■		■	■

K20
K252

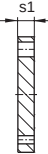
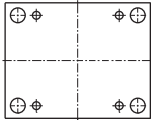
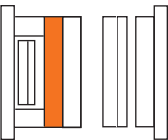


K20 ■ K252 ◆



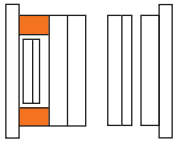
.../546x596 x s1 /	1.1730	1.2162	1.2767	1.2083	1.2085	1.2311	1.2312	1.2343	1.2343 ESU/ESR	Toolox33
27	■						■			
36	■				■ ◆		■ ◆			■
46	■				■ ◆	■ ◆	■ ◆			■
56	■				■ ◆	■ ◆	■ ◆			■
66	■				■ ◆	■ ◆	■ ◆			■
76	■				■ ◆	■ ◆	■ ◆	◆	◆	■
86	■				■ ◆	■ ◆	■ ◆			■
96	■				■ ◆	■ ◆	■ ◆	◆	◆	■
116	■				■ ◆	■ ◆	■ ◆	◆	◆	■
136	■				■ ◆	■ ◆	■ ◆	◆	◆	
156	■				■ ◆	■ ◆	■ ◆	◆	◆	
176	■				■ ◆	■ ◆	■ ◆			
196	■				■ ◆	■ ◆	■ ◆			

K30

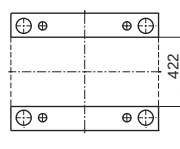


K30/546x596x s1 /	1.1730	1.2162	1.2085	1.2312
46	■		■	■
56	■		■	■
66	■			■
76	■			■
86	■			■
96	■			■
116	■			

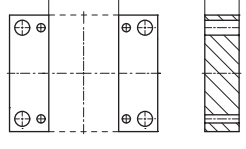
K40
K45
K42



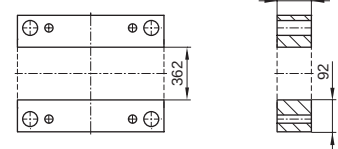
K40 ■



K45 ◆



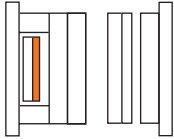
K42 ◇



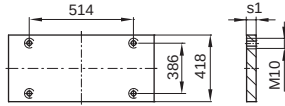
.../546x596 x s1/	1.1730	1.2085	1.2312
66	■ ◆ ◇	■ ◆	
76	■ ◆ ◇	■ ◆	
86	■ ◆ ◇	■ ◆	
96	■ ◆ ◇	■ ◆	

.../546x596 x s1/	1.1730	1.2085	1.2312
116	■ ◆ ◇	■ ◆	
136	■ ◆ ◇	■ ◆	
156	■ ◆ ◇		
176	■ ◆ ◇		

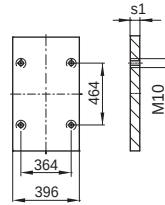
K60
K65
K62



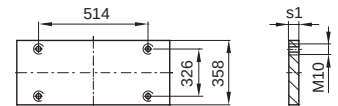
K60 ■



K65 ◆

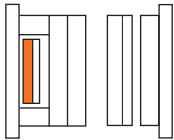


K62 ◇

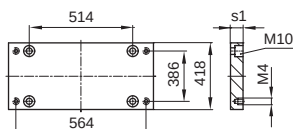


.../546x596 x s1/	1.1730	1.2085	1.2312
27	■ ◆ ◇	■ ◆	

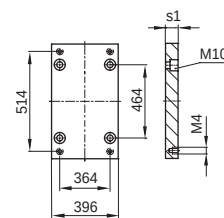
K70
K75
K72



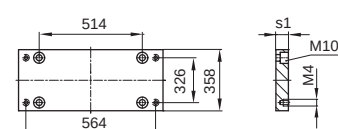
K70 ■



K75 ◆

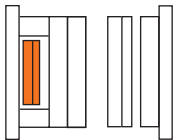


K72 ◇

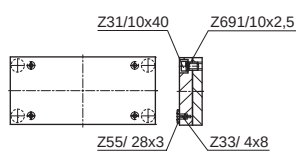


.../546x596 x s1/	1.1730	1.2085	1.2312
36	■ ◆ ◇	■ ◆	■ ◆ ◇

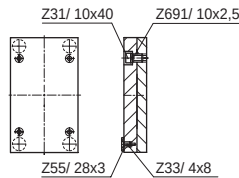
K60-70
K65-75
K62-72



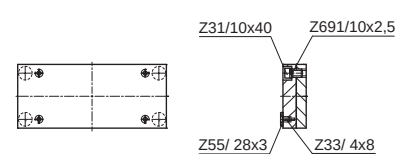
K60-70 ■



K65-75 ◆



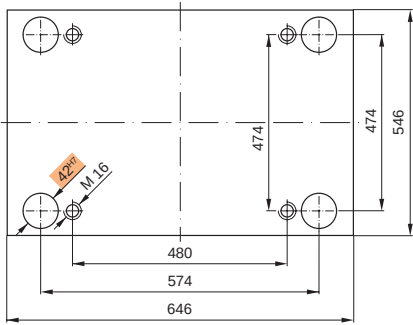
K62-72 ◇



.../546x596 /	1.1730	1.2085
	■ ◆	■ ◆

K62-72/546x596/Typ	1.1730	1.2312
1	K62	K72
3	K62 K72	

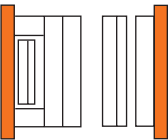
546 x 646



Bestellbeispiel:
Ordering example:
Exemple de commande:

K20 / 546 x 646 x 36 / 1.2085

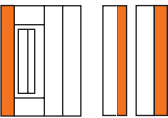
K10
K11



K10/546x646x s1 /	1.1730	1.2162	1.2085	1.2312
46	■		■	
56	■		■	■

K11/546x646x s1 /	1.1730	1.2162	1.2085	1.2312
46	■		■	
56	■		■	■

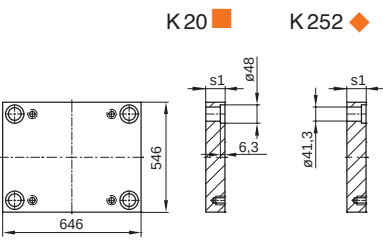
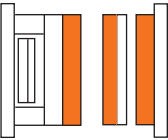
K15
K16



K15/546x646x s1 /	1.1730	1.2162	1.2085	1.2312
36	■		■	
46	■		■	■

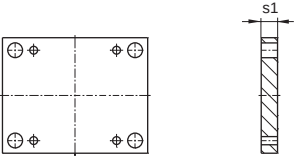
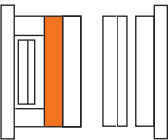
K16/546x646x s1 /	1.1730	1.2162	1.2085	1.2312
36	■		■	
46	■		■	■

K20
K252



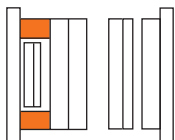
.../546x646x s1 /	1.1730	1.2162	1.2767	1.2083	1.2085	1.2311	1.2312	1.2343	1.2343 ESU/ESR	Toolbox33
27	■						■			
36	■				■	■	■			■
46	■				■	■	■			■
56	■				■	■	■			■
66	■				■	■	■			■
76	■				■	■	■			■
86	■				■	■	■			■
96	■				■	■	■			■
116	■				■	■	■			■
136	■				■	■	■			
156	■				■	■	■			
176	■				■	■	■			
196	■				■	■	■			

K30

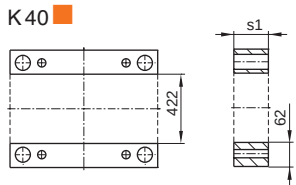


K30/546x646x s1 /	1.1730	1.2162	1.2085	1.2312
46	■		■	
56	■		■	
66	■			■
76	■			■
86	■			■
96	■			■
116	■			

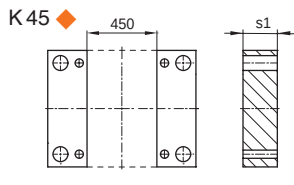
K40
K45
K42



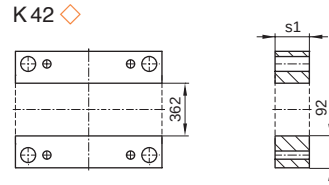
K40 ■



K45 ◆

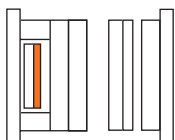


K42 ◇

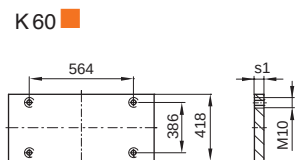


.../546x646 x s1/	1.1730	1.2085	1.2312	.../546x646 x s1/	1.1730	1.2085	1.2312
76	■ ◆ ◇	■ ◆		136	■ ◆ ◇	■ ◆	
86	■ ◆ ◇	■ ◆		156	■ ◆ ◇		
96	■ ◆ ◇	■ ◆		176	■ ◆ ◇		
116	■ ◆ ◇	■ ◆					

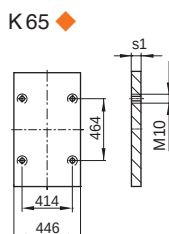
K60
K65
K62



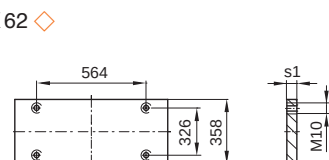
K60 ■



K65 ◆

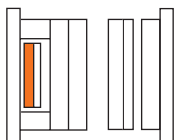


K62 ◇

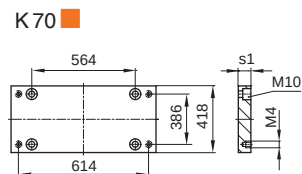


.../546x646 x s1/	1.1730	1.2085	1.2312
27	■ ◆ ◇	■ ◆	

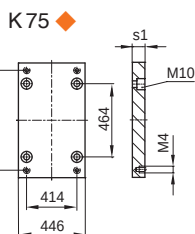
K70
K75
K72



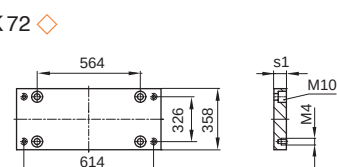
K70 ■



K75 ◆

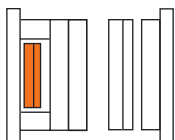


K72 ◇

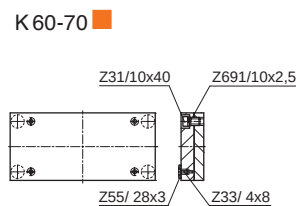


.../546x646 x s1/	1.1730	1.2085	1.2312
36	■ ◆ ◇	■ ◆	■ ◆ ◇

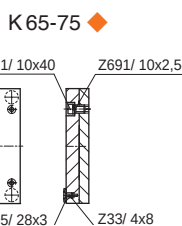
K60-70
K65-75
K62-72



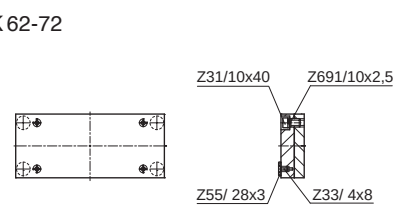
K60-70 ■



K65-75 ◆

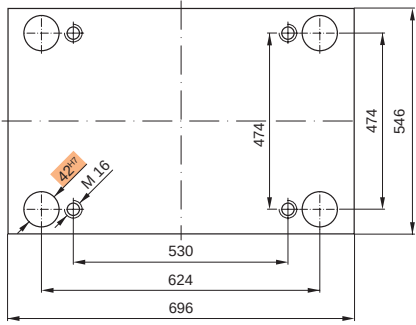


K62-72 ◇



.../546x646 /	1.1730	1.2085	K62-72/546x646/Typ	1.1730	1.2312
	■ ◆	■ ◆	1	K62	K72
			3	K62 K 72	

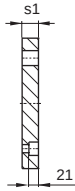
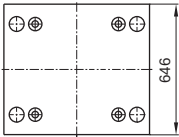
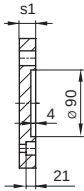
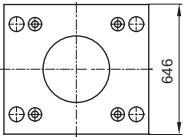
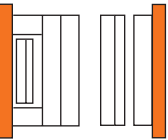
546 x 696



Bestellbeispiel:
Ordering example:
Exemple de commande:

K20 / 546 x 696 x 36 / 1.2085

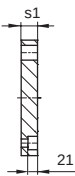
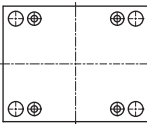
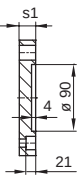
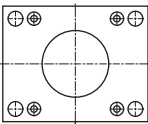
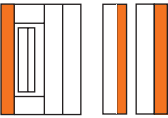
K10
K11



K10/546x696x s1 /	1.1730	1.2162	1.2085	1.2312
46	■		■	
56	■		■	■

K11/546x696x s1 /	1.1730	1.2162	1.2085	1.2312
46	■		■	
56	■		■	■

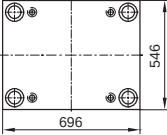
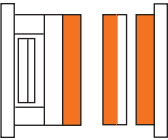
K15
K16



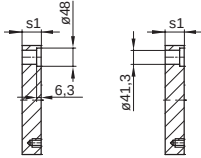
K15/546x696x s1 /	1.1730	1.2162	1.2085	1.2312
36	■		■	
46	■		■	■

K16/546x696x s1 /	1.1730	1.2162	1.2085	1.2312
36	■		■	
46	■		■	■

K20
K252

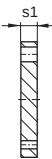
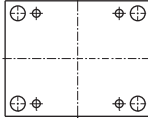
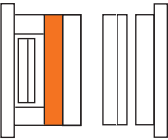


K20 ■ K252 ◆



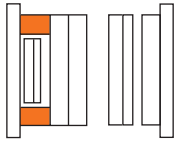
.../546x696 x s1 /	1.1730	1.2162	1.2767	1.2083	1.2085	1.2311	1.2312	1.2343	1.2343 ESU/ESR	Toolox33
27	■						■			
36	■				■ ◆		■ ◆			■
46	■				■ ◆	■ ◆	■ ◆			■
56	■				■ ◆	■ ◆	■ ◆			■
66	■				■ ◆	■ ◆	■ ◆			■
76	■				■ ◆	■ ◆	■ ◆			■
86	■				■ ◆	■ ◆	■ ◆			■
96	■				■ ◆	■ ◆	■ ◆			■
116	■				■ ◆	■ ◆	■ ◆			■
136	■				■ ◆	■ ◆	■ ◆			
156	■				■ ◆	■ ◆	■ ◆			
176	■				■ ◆	■ ◆	■ ◆			
196	■				■ ◆	■ ◆	■ ◆			

K30

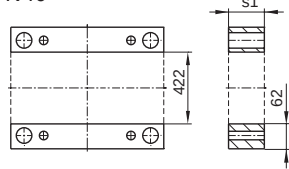


K30/546x696x s1 /	1.1730	1.2162	1.2085	1.2312
46	■		■	
56	■		■	■
76	■			■
86	■			■
96	■			■
116	■			

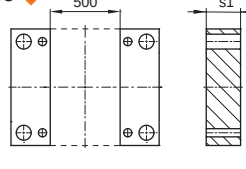
K40
K45
K42



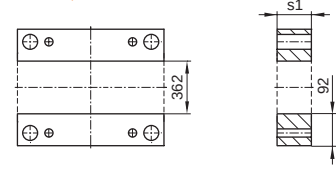
K40 ■



K45 ◆

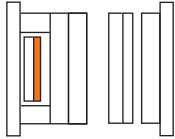


K42 ◇

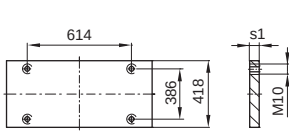


.../546x696 x s1/	1.1730	1.2085	1.2312	.../546x696 x s1/	1.1730	1.2085	1.2312
76	■ ◆ ◇	■ ◆		136	■ ◆ ◇	■ ◆	
86	■ ◆ ◇	■ ◆		156	■ ◆		
96	■ ◆ ◇	■ ◆		176	■ ◆		
116	■ ◆ ◇	■ ◆					

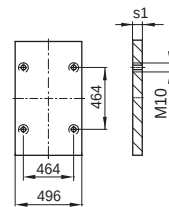
K60
K65
K62



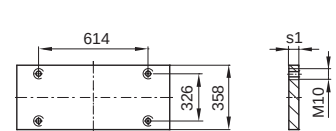
K60 ■



K65 ◆

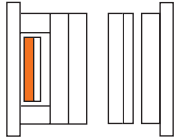


K62 ◇

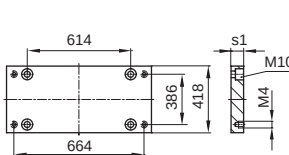


.../546x696 x s1/	1.1730	1.2085	1.2312
27	■ ◆ ◇	■ ◆	

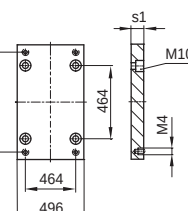
K70
K75
K72



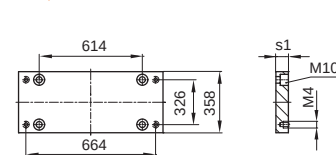
K70 ■



K75 ◆

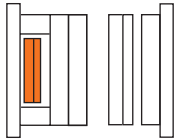


K72 ◇

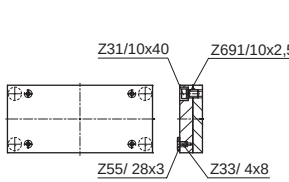


.../546x696 x s1/	1.1730	1.2085	1.2312
36	■ ◆ ◇	■ ◆	■ ◆ ◇

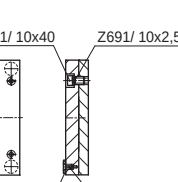
K60-70
K65-75
K62-72



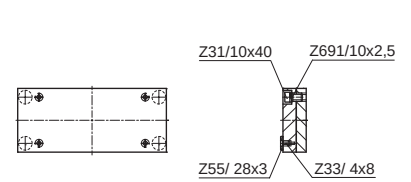
K60-70 ■



K65-75 ◆

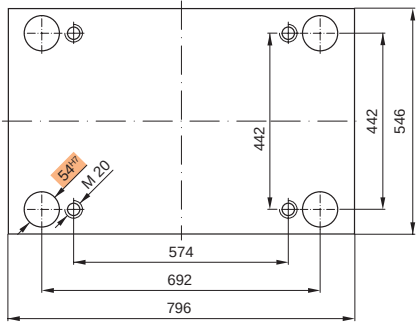


K62-72 ◇



.../546x696 /	1.1730	1.2085	K62-72/546x696/Typ	1.1730	1.2312
	■ ◆	■ ◆	1	K 62	K 72
			3	K 62 K 72	

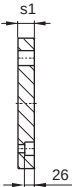
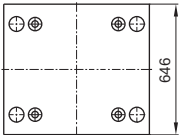
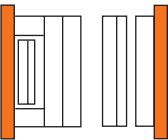
546 x 796



Bestellbeispiel:
Ordering example:
Exemple de commande:

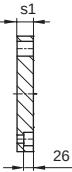
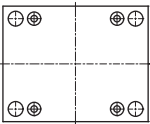
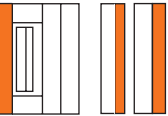
K20 / 546 x 796 x 56 / 1.2085

K11



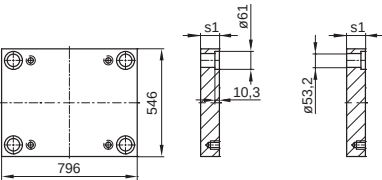
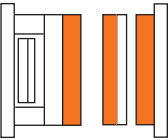
K11/546x796x s1 /	1.1730	1.2162	1.2085	1.2312
56	■		■	■

K16



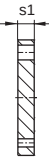
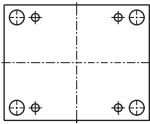
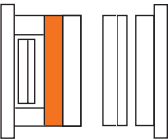
K16/546x796x s1 /	1.1730	1.2162	1.2085	1.2312
56	■		■	■

K20
K252



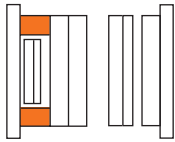
.../546x796 xs1 /	1.1730	1.2162	1.2767	1.2083	1.2085	1.2311	1.2312	1.2343	1.2343 ESU/ESR	Toolox33
27	■						■			
36	■						■			
46	■				■ ◆	■ ◆	■ ◆			■
56	■				■ ◆	■ ◆	■ ◆			■
66	■				■ ◆	■ ◆	■ ◆			■
76	■				■ ◆	■ ◆	■ ◆			■
86	■				■ ◆	■ ◆	■ ◆			■
96	■				■ ◆	■ ◆	■ ◆			■
116	■				■ ◆	■ ◆	■ ◆			■
136	■				■ ◆	■ ◆	■ ◆			
156	■				■ ◆	■ ◆	■ ◆			
176	■				■ ◆	■ ◆	■ ◆			
196	■				■ ◆	■ ◆	■ ◆			

K30

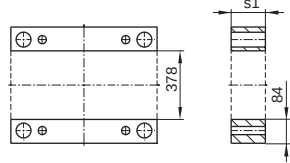


K30/546x796x s1 /	1.1730	1.2162	1.2085	1.2312
46	■			■
56	■		■	■
76	■		■	■
86	■			■
96	■			■
116	■			

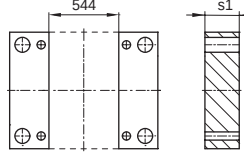
K40
K45
K42



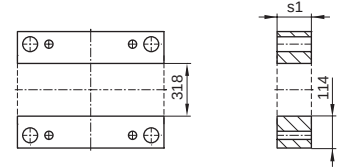
K40 ■



K45 ◆



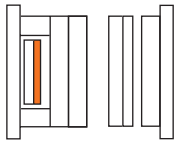
K42 ◇



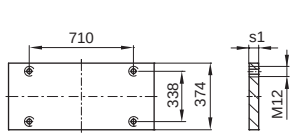
... /546x796 x s1/	1.1730	1.2085	1.2312
86	■ ◆ ◇		
96	■ ◆ ◇	■ ◆	
116	■ ◆ ◇	■ ◆	

... /546x796 x s1/	1.1730	1.2085	1.2312
136	■ ◆ ◇	■ ◆	
156	■ ◆ ◇	■ ◆	
176	■ ◆ ◇		

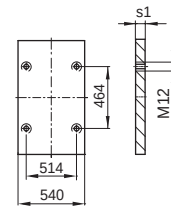
K60
K65
K62



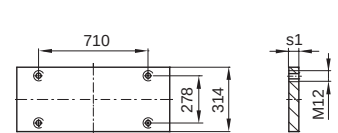
K60 ■



K65 ◆

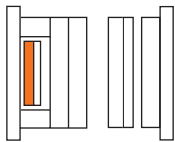


K62 ◇

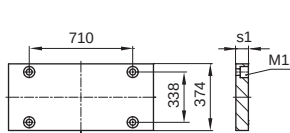


... /546x796 x s1/	1.1730	1.2085	1.2312
27	■ ◆ ◇	■ ◆	

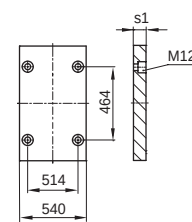
K70
K75
K72



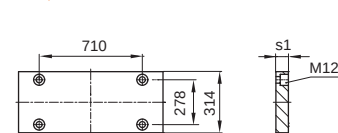
K70 ■



K75 ◆

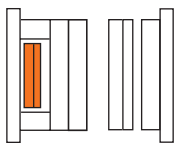


K72 ◇

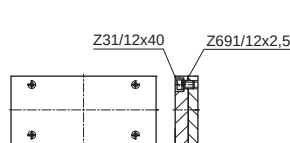


... /546x796 x s1/	1.1730	1.2085	1.2312
36	■ ◆ ◇	■ ◆	■ ◆ ◇

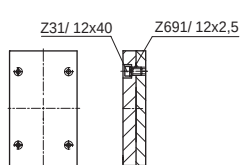
K60-70
K65-75
K62-72



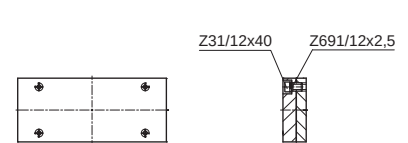
K60-70 ■



K65-75 ◆



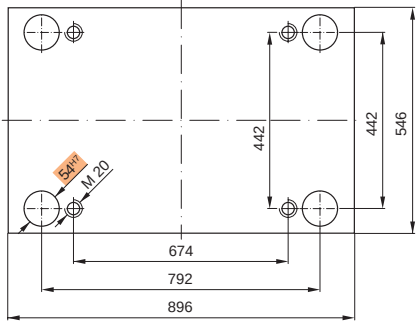
K62-72 ◇



... /546x796 /	1.1730	1.2085
	■ ◆	■ ◆

K62-72/546x796/Typ	1.1730	1.2312
1	K62	K72
3	K62 K72	

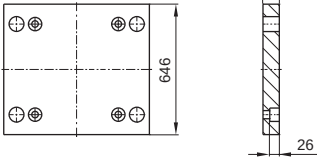
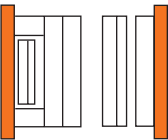
546 x 896



Bestellbeispiel:
Ordering example:
Exemple de commande:

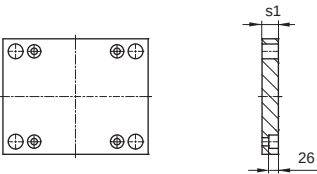
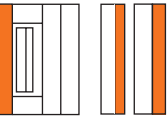
K20 / 546 x 896 x 56 / 1.2085

K11



K11/546x896x s1 /	1.1730	1.2162	1.2085	1.2312
56	■		■	■

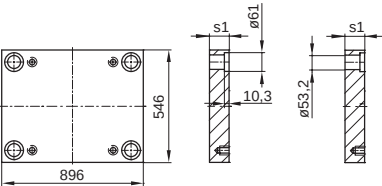
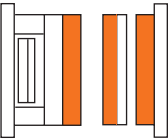
K16



K16/546x896x s1 /	1.1730	1.2162	1.2085	1.2312
56	■		■	■

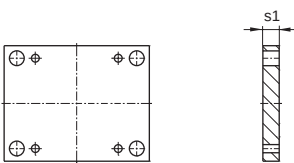
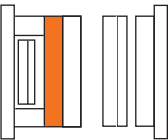
K20
K252

K20 ■ K252 ◆



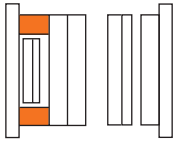
.../546x896 x s1 /	1.1730	1.2162	1.2767	1.2083	1.2085	1.2311	1.2312	1.2343	1.2343 ESU/ESR	Toolox33
36	■									
46	■				■ ◆	■ ◆	■ ◆			■
56	■				■ ◆	■ ◆	■ ◆			■
66	■				■ ◆	■ ◆	■ ◆			■
76	■				■ ◆	■ ◆	■ ◆			■
86	■				■ ◆	■ ◆	■ ◆			■
96	■				■ ◆	■ ◆	■ ◆			■
116	■				■ ◆	■ ◆	■ ◆			■
136	■				■ ◆	■ ◆	■ ◆			
156	■				■ ◆	■ ◆	■ ◆			
176	■				■ ◆	■ ◆	■ ◆			
196	■				■ ◆	■ ◆	■ ◆			

K30

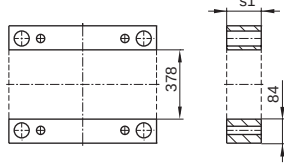


K30/546x896x s1 /	1.1730	1.2162	1.2085	1.2312
46	■			■
56	■		■	■
76	■		■	■
86	■			■
96	■			■

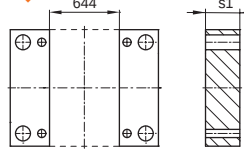
K40
K45
K42



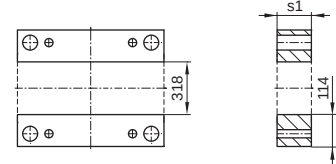
K40 ■



K45 ◆



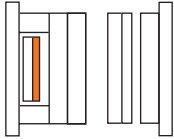
K42 ◇



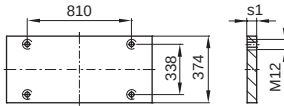
... /546x896 x s1/	1.1730	1.2085	1.2312
86	■		
96	■ ◆ ◇	■ ◆	
116	■ ◆ ◇	■ ◆	

... /546x896 x s1/	1.1730	1.2085	1.2312
136	■ ◆ ◇	■ ◆	
156	■ ◆ ◇	■ ◆	
176	■ ◆ ◇		

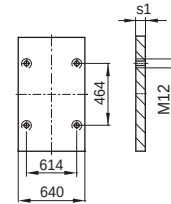
K60
K65
K62



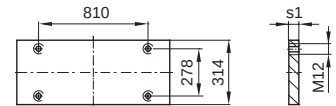
K60 ■



K65 ◆

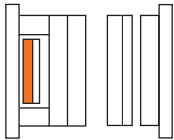


K62 ◇

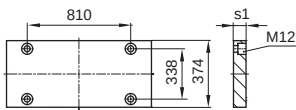


... /546x896 x s1/	1.1730	1.2085	1.2312
27	■ ◆ ◇	■ ◆	

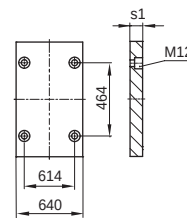
K70
K75
K72



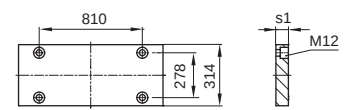
K70 ■



K75 ◆

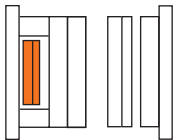


K72 ◇

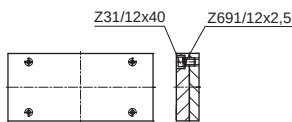


... /546x896 x s1/	1.1730	1.2085	1.2312
36	■ ◆ ◇	■ ◆	■ ◆ ◇

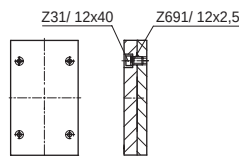
K60-70
K65-75
K62-72



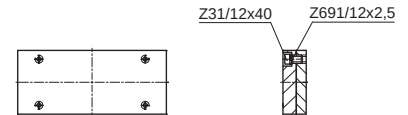
K60-70 ■



K65-75 ◆



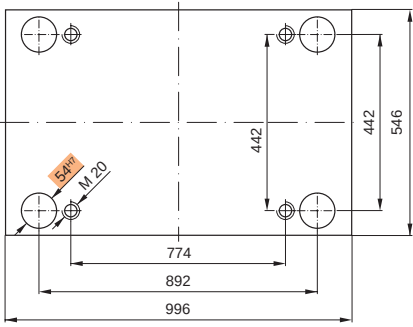
K62-72 ◇



... /546x896 /	1.1730	1.2085
	■ ◆	■ ◆

K62-72/546x896/Typ	1.1730	1.2312
1	K62	K72
3	K62 K72	

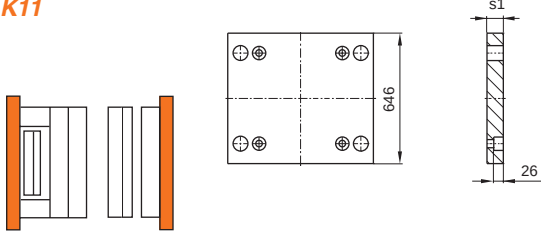
546 x 996



Bestellbeispiel:
Ordering example:
Exemple de commande:

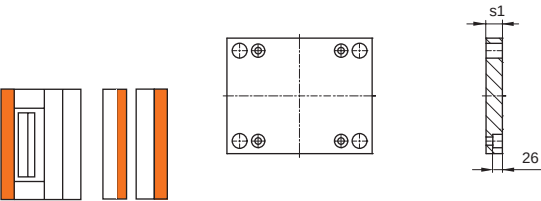
K20 / 546 x 996 x 56 / 1.2085

K11



K11/546x996x s1 /	1.1730	1.2162	1.2085	1.2312
56	■		■	■

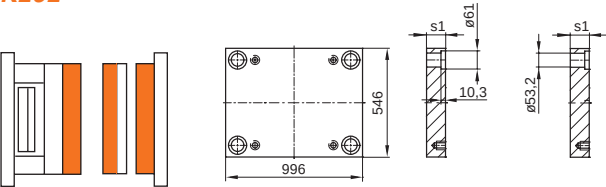
K16



K16/546x996x s1 /	1.1730	1.2162	1.2085	1.2312
56	■		■	■

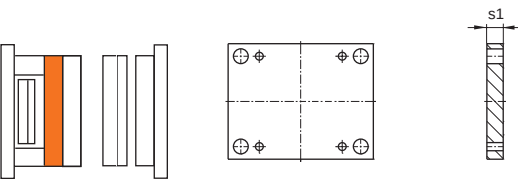
K20
K252

K 20 ■ K 252 ◆



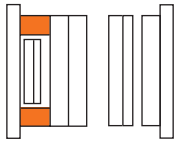
.../546x996 xs1/	1.1730	1.2162	1.2767	1.2083	1.2085	1.2311	1.2312	1.2343	1.2343 ESU/ESR	Toolox33
36	■									
46	■				■ ◆	■ ◆	■ ◆			■
56	■				■ ◆	■ ◆	■ ◆			■
66	■				■ ◆	■ ◆	■ ◆			■
76	■				■ ◆	■ ◆	■ ◆			■
86	■				■ ◆	■ ◆	■ ◆			■
96	■				■ ◆	■ ◆	■ ◆			■
116	■				■ ◆	■ ◆	■ ◆			■
136	■				■ ◆	■ ◆	■ ◆			
156	■				■ ◆	■ ◆	■ ◆			
176	■				■ ◆	■ ◆	■ ◆			
196	■				■ ◆	■ ◆	■ ◆			

K30

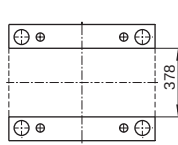


K30/546x996x s1 /	1.1730	1.2162	1.2085	1.2312
46	■			■
56	■		■	■
76	■		■	■
86	■			■
96	■			■

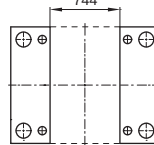
K40
K45
K42



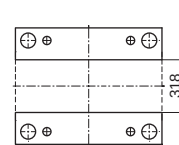
K40 ■



K45 ◆



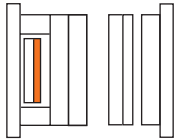
K42 ◇



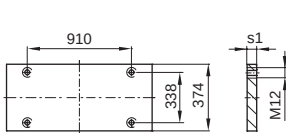
... /546x996 x s1/	1.1730	1.2085	1.2312
76	■		
86	■	◆	
96	■	◆	◆
116	■	◆	◆

... /546x996 x s1/	1.1730	1.2085	1.2312
136	■	◆	
156	■	◆	
176	■	◆	

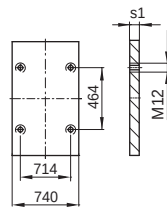
K60
K65
K62



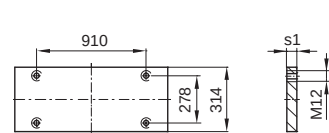
K60 ■



K65 ◆

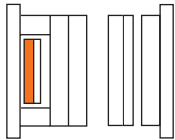


K62 ◇

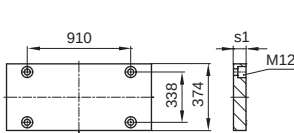


.../546x996 x s1/	1.1730	1.2085	1.2312
27	■	◆	

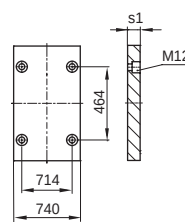
K70
K75
K72



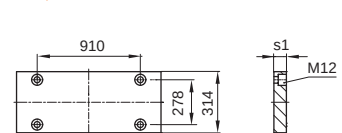
K70 ■



K75 ◆

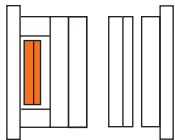


K72 ◇

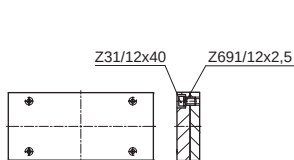


.../546x996 x s1/	1.1730	1.2085	1.2312
36	■	◆	◆

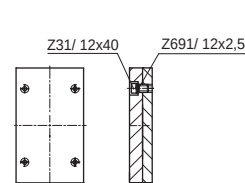
K60-70
K65-75
K62-72



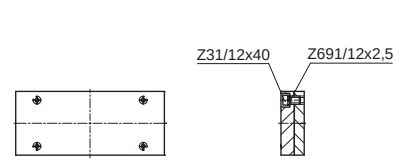
K60-70 ■



K65-75 ◆



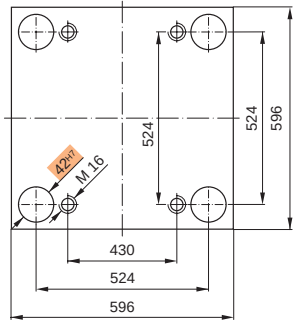
K62-72 ◇



.../546x996 /	1.1730	1.2085
	■	◆

K62-72/546x996/Typ	1.1730	1.2312
1	K62	K72
3	K62 K72	

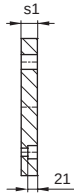
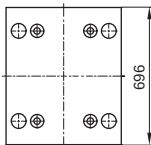
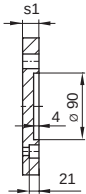
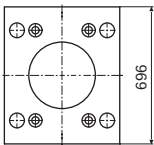
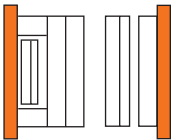
596 x 596



Bestellbeispiel:
Ordering example:
Exemple de commande:

K20 / 596 x 596 x 36 / 1.2085

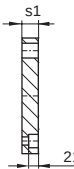
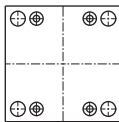
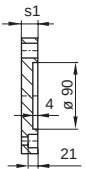
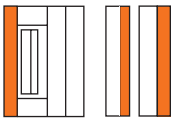
K10
K11



K10/596x596x s1 /	1.1730	1.2162	1.2085	1.2312
46	■		■	
56	■		■	■

K11/596x596x s1 /	1.1730	1.2162	1.2085	1.2312
46	■		■	
56	■		■	■

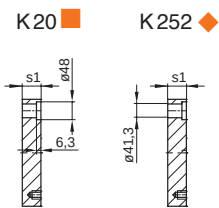
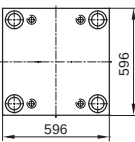
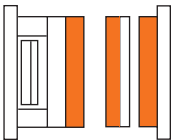
K15
K16



K15/596x596x s1 /	1.1730	1.2162	1.2085	1.2312
36	■		■	
46	■		■	■

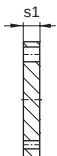
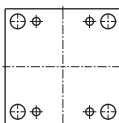
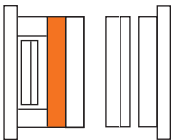
K16/596x596x s1 /	1.1730	1.2162	1.2085	1.2312
36	■		■	
46	■		■	■

K20
K252



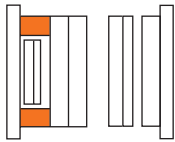
.../596x596 x s1 /	1.1730	1.2162	1.2767	1.2083	1.2085	1.2311	1.2312	1.2343	1.2343 ESU/ESR	Toolox33
36	■				■	■	■			■
46	■				■	■	■			■
56	■				■	■	■			■
66	■				■	■	■			■
76	■				■	■	■	■	■	■
86	■				■	■	■			■
96	■				■	■	■	■	■	■
116	■				■	■	■	■	■	■
136	■				■	■	■	■	■	
156	■				■	■	■	■	■	
176	■				■	■	■			
196	■				■	■	■			

K30

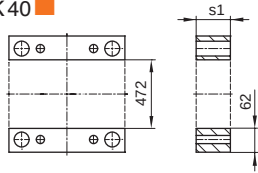


K30/596x596x s1 /	1.1730	1.2162	1.2085	1.2312
46	■		■	
56	■		■	■
76	■			■
86	■			■
96	■			■
116	■			

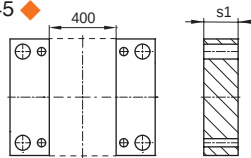
K40
K45
K42



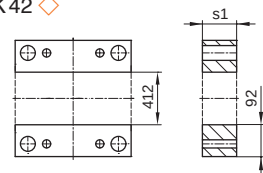
K40 ■



K45 ◆

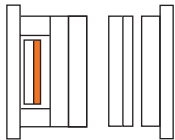


K42 ◇

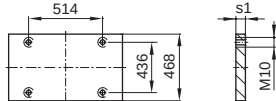


.../596x596 x s1/	1.1730	1.2085	1.2312	.../596x596 x s1/	1.1730	1.2085	1.2312
66	■ ◆ ◇	■		116	■ ◆ ◇	■ ◆	
76	■ ◆ ◇	■ ◆		136	■ ◆ ◇	■ ◆	
86	■ ◆ ◇	■ ◆		156	■ ◆ ◇		
96	■ ◆ ◇	■ ◆		176	■ ◆ ◇		

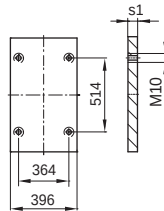
K60
K65
K62



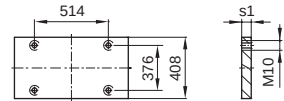
K60 ■



K65 ◆

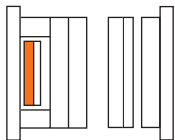


K62 ◇

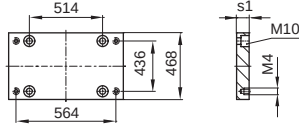


.../596x596 x s1/	1.1730	1.2085	1.2312
27	■ ◆ ◇	■ ◆	

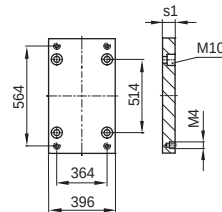
K70
K75
K72



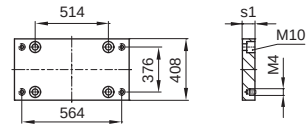
K70 ■



K75 ◆

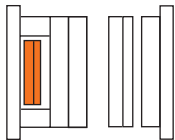


K72 ◇

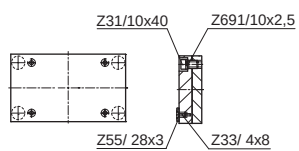


.../596x596 x s1/	1.1730	1.2085	1.2312
36	■ ◆ ◇	■ ◆	■ ◆ ◇

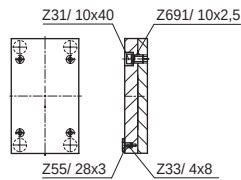
K60-70
K65-75
K62-72



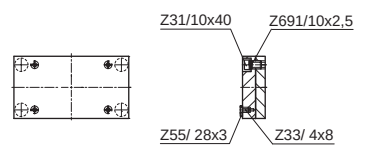
K60-70 ●



K65-75 ◆

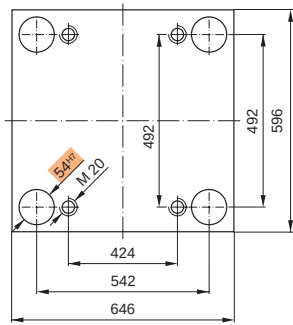


K62-72



.../596x596 /	1.1730	1.2085	K62-72/596x596/Typ	1.1730	1.2312
	■ ◆	■ ◆	1	K62	K72
			3	K62 K72	

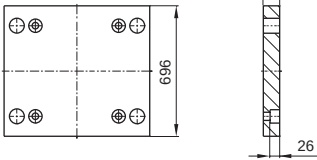
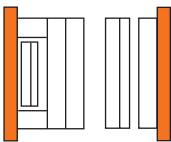
596 x 646



Bestellbeispiel:
Ordering example:
Exemple de commande:

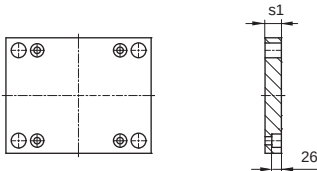
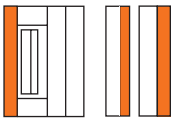
K20 / 596 x 646 x 56 / 1.2085

K11



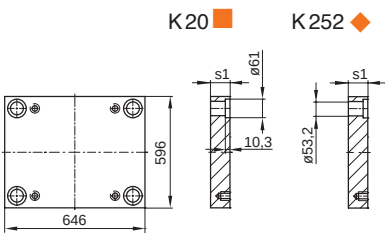
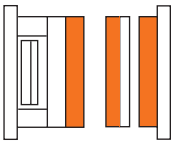
K11/596x646x s1 /	1.1730	1.2162	1.2085	1.2312
56	■		■	■

K16



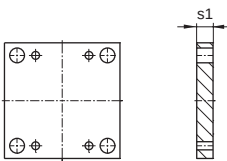
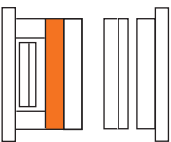
K16/596x646x s1 /	1.1730	1.2162	1.2085	1.2312
56	■		■	■

K20
K252



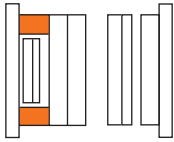
.../596x646 x s1 /	1.1730	1.2162	1.2767	1.2083	1.2085	1.2311	1.2312	1.2343	1.2343 ESU/ESR	Toolox33
36	■				■ ◆	■ ◆	■ ◆			■
46	■				■ ◆	■ ◆	■ ◆			■
56	■				■ ◆	■ ◆	■ ◆			■
66	■				■ ◆	■ ◆	■ ◆			■
76	■				■ ◆	■ ◆	■ ◆			■
86	■				■ ◆	■ ◆	■ ◆			■
96	■				■ ◆	■ ◆	■ ◆			■
116	■				■ ◆	■ ◆	■ ◆			■
136	■				■ ◆	■ ◆	■ ◆			
156	■				■ ◆	■ ◆	■ ◆			
176	■				■ ◆	■ ◆	■ ◆			
196	■				■ ◆	■ ◆	■ ◆			

K30

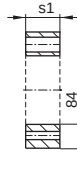
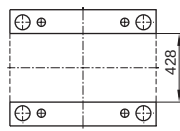


K30/596x646x s1 /	1.1730	1.2162	1.2085	1.2312
46	■			■
56	■		■	■
76	■		■	■
86	■			■
96	■			■
116	■			

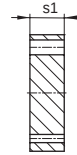
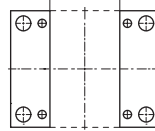
K40
K45
K42



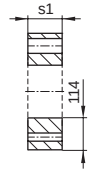
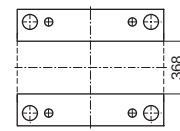
K40 ■



K45 ◆



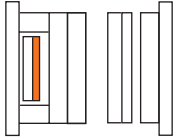
K42 ◇



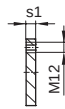
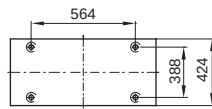
.../596x646 x s1/	1.1730	1.2085	1.2312
86	■ ◆ ◇		
96	■ ◆ ◇	■ ◆	
116	■ ◆ ◇	■ ◆	

.../596x646 x s1/	1.1730	1.2085	1.2312
136	■ ◆ ◇	■ ◆	
156	■ ◆ ◇	■ ◆	
176	■ ◆ ◇		

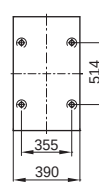
K60
K65
K62



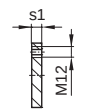
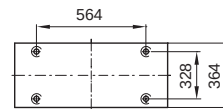
K60 ■



K65 ◆

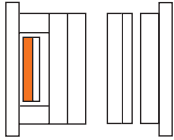


K62 ◇

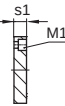
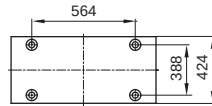


.../596x646 x s1/	1.1730	1.2085	1.2312
27	■ ◆ ◇	■ ◆	

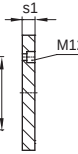
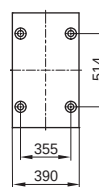
K70
K75
K72



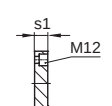
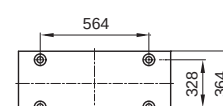
K70 ■



K75 ◆

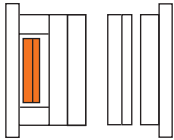


K72 ◇

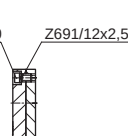
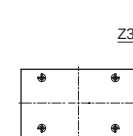


.../596x646 x s1/	1.1730	1.2085	1.2312
36	■ ◆ ◇	■ ◆	■ ◆ ◇

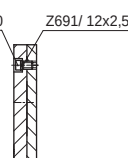
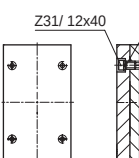
K60-70
K65-75
K62-72



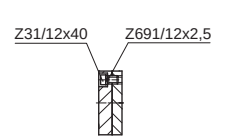
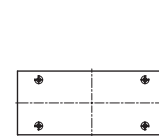
K60-70 ■



K65-75 ◆



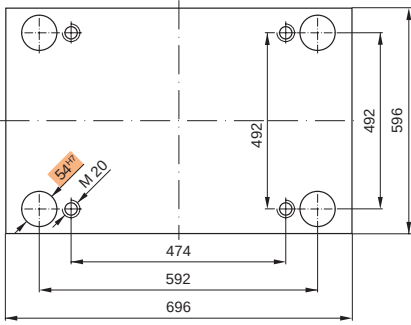
K62-72 ◇



.../596x646 /	1.1730	1.2085
	■ ◆	■ ◆

K62-72/596x646/Typ	1.1730	1.2312
1	K62	K72
3	K62 K72	

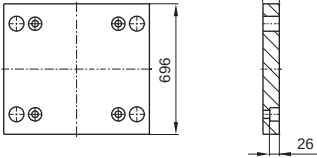
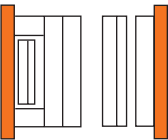
596 x 696



Bestellbeispiel:
Ordering example:
Exemple de commande:

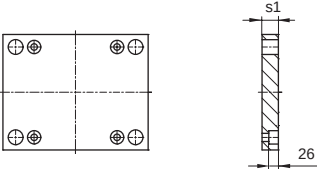
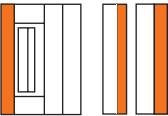
K20 / 596 x 696 x 56 / 1.2085

K11



K11/596x696x s1 /	1.1730	1.2162	1.2085	1.2312
56	■		■	■

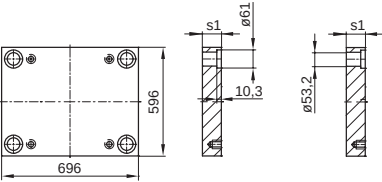
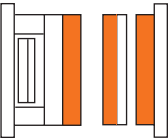
K16



K16/596x696x s1 /	1.1730	1.2162	1.2085	1.2312
56	■		■	■

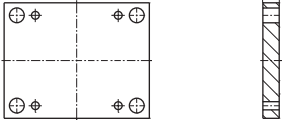
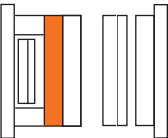
K20
K252

K20 ■ K252 ◆



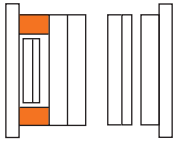
.../596x696 xs1/	1.1730	1.2162	1.2767	1.2083	1.2085	1.2311	1.2312	1.2343	1.2343 ESU/ESR	Toolox33
36	■						■			
46	■				■ ◆	■ ◆	■ ◆			■
56	■				■ ◆	■ ◆	■ ◆			■
66	■				■ ◆	■ ◆	■ ◆			■
76	■				■ ◆	■ ◆	■ ◆			■
86	■				■ ◆	■ ◆	■ ◆			■
96	■				■ ◆	■ ◆	■ ◆			■
116	■				■ ◆	■ ◆	■ ◆			■
136	■				■ ◆	■ ◆	■ ◆			
156	■				■ ◆	■ ◆	■ ◆			
176	■				■ ◆	■ ◆	■ ◆			
196	■				■ ◆	■ ◆	■ ◆			

K30

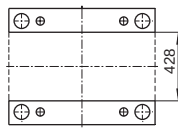


K30/596x696x s1 /	1.1730	1.2162	1.2085	1.2312
46	■			■
56	■		■	■
76	■		■	■
86	■			■
96	■			■
116	■			

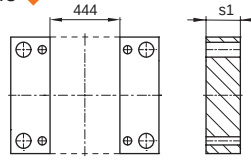
K40
K45
K42



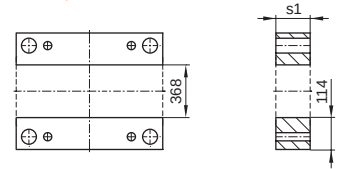
K40 ■



K45 ◆



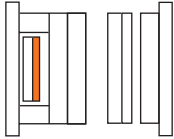
K42 ◇



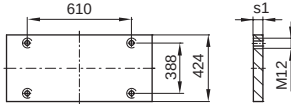
.../596x696 x s1/	1.1730	1.2085	1.2312
86	■ ◆ ◇		
96	■ ◆ ◇	■ ◆	
116	■ ◆ ◇	■ ◆	

.../596x696 x s1/	1.1730	1.2085	1.2312
136	■ ◆ ◇	■ ◆	
156	■ ◆ ◇	■ ◆	
176	■ ◆ ◇		

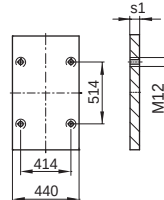
K60
K65
K62



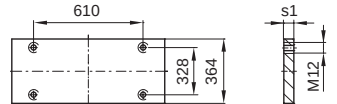
K60 ■



K65 ◆

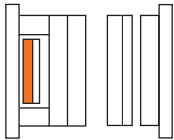


K62 ◇

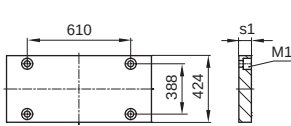


.../596x696 x s1/	1.1730	1.2085	1.2312
27	■ ◆ ◇	■ ◆	

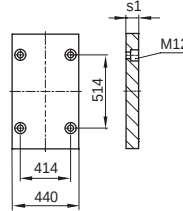
K70
K75
K72



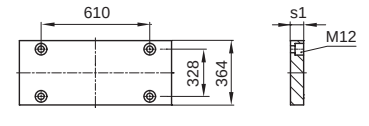
K70 ■



K75 ◆

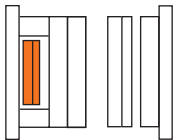


K72 ◇

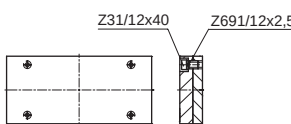


.../596x696 x s1/	1.1730	1.2085	1.2312
36	■ ◆ ◇	■ ◆	■ ◆ ◇

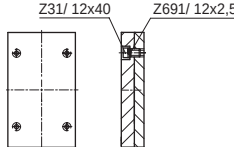
K60-70
K65-75
K62-72



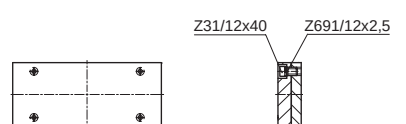
K60-70 ■



K65-75 ◆



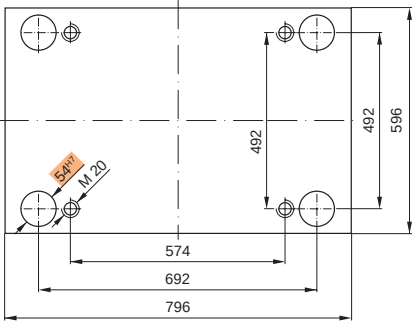
K62-72 ◇



.../596x696 /	1.1730	1.2085
	■ ◆	■ ◆

K62-72/596x696/Typ	1.1730	1.2312
1	K62	K72
3	K62 K72	

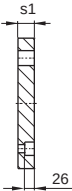
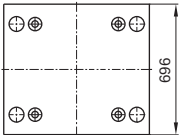
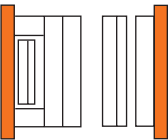
596 x 796



Bestellbeispiel:
Ordering example:
Exemple de commande:

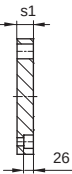
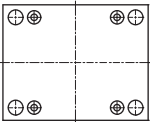
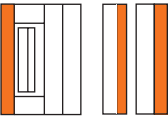
K20 / 596 x 796 x 56 / 1.2085

K11



K11/596x796x s1 /	1.1730	1.2162	1.2085	1.2312
56	■		■	■

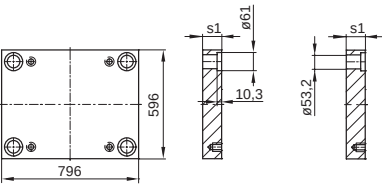
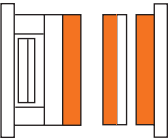
K16



K16/596x796x s1 /	1.1730	1.2162	1.2085	1.2312
56	■		■	■

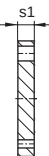
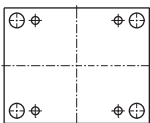
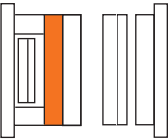
K20
K252

K20 ■ K252 ◆



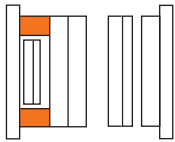
.../596x796 x s1 /	1.1730	1.2162	1.2767	1.2083	1.2085	1.2311	1.2312	1.2343	1.2343 ESU/ESR	Toolox33
36	■						■			
46	■				■ ◆	■ ◆	■ ◆			■
56	■				■ ◆	■ ◆	■ ◆			■
66	■				■ ◆	■ ◆	■ ◆			■
76	■				■ ◆	■ ◆	■ ◆			■
86	■				■ ◆	■ ◆	■ ◆			■
96	■				■ ◆	■ ◆	■ ◆			■
116	■				■ ◆	■ ◆	■ ◆			■
136	■				■ ◆	■ ◆	■ ◆			
156	■				■ ◆	■ ◆	■ ◆			
176	■				■ ◆	■ ◆	■ ◆			
196	■				■ ◆	■ ◆	■ ◆			

K30

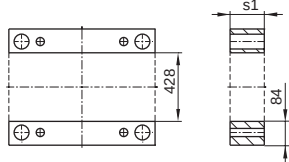


K30/596x796x s1 /	1.1730	1.2162	1.2085	1.2312
46	■			■
56	■		■	■
76	■		■	■
86	■			
96	■			
116	■			

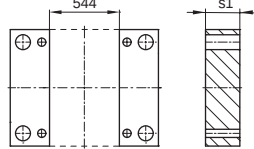
K40
K45
K42



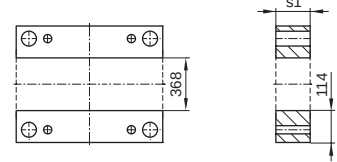
K40 ■



K45 ◆



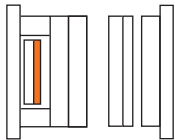
K42 ◇



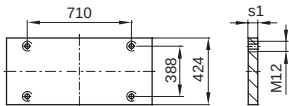
.../596x796 x s1/	1.1730	1.2085	1.2312
86	■ ◆ ◇		
96	■ ◆ ◇	■ ◆	
116	■ ◆ ◇	■ ◆	

.../596x796 x s1/	1.1730	1.2085	1.2312
136	■ ◆ ◇	■ ◆	
156	■ ◆ ◇	■ ◆	
176	■ ◆ ◇		

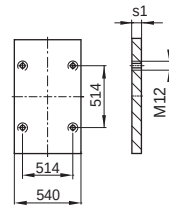
K60
K65
K62



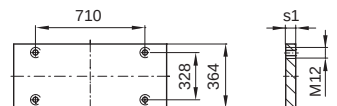
K60 ■



K65 ◆

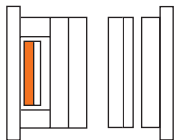


K62 ◇

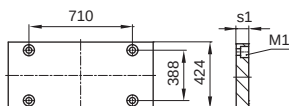


.../596x796 x s1/	1.1730	1.2085	1.2312
27	■ ◆ ◇	■ ◆	

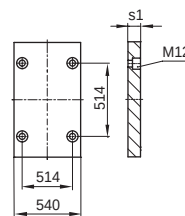
K70
K75
K72



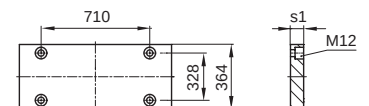
K70 ■



K75 ◆

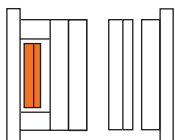


K72 ◇

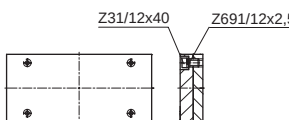


.../596x796 x s1/	1.1730	1.2085	1.2312
36	■ ◆ ◇	■ ◆	■ ◆ ◇

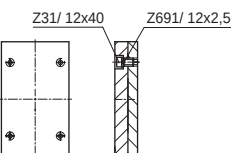
K60-70
K65-75
K62-72



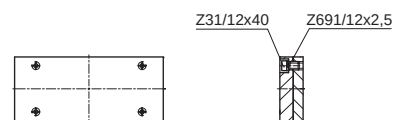
K60-70 ■



K65-75 ◆



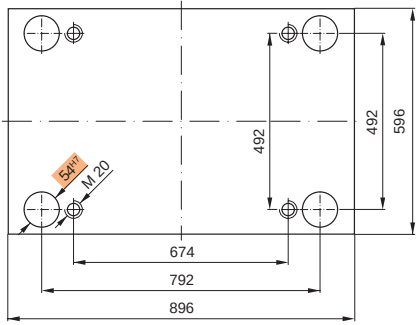
K62-72 ◇



.../596x796 /	1.1730	1.2085
	■ ◆	■ ◆

K62-72/596x796/Typ	1.1730	1.2312
1	K62	K72
3	K62 K72	

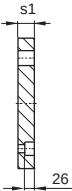
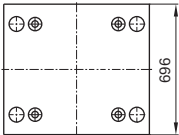
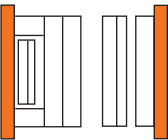
596 x 896



Bestellbeispiel:
Ordering example:
Exemple de commande:

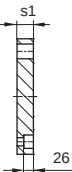
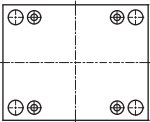
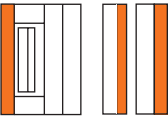
K20 / 596 x 896 x 56 / 1.2085

K11



K11/596x896x s1 /	1.1730	1.2162	1.2085	1.2312
56	■		■	■

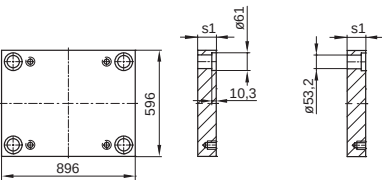
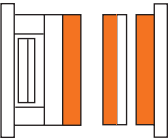
K16



K16/596x896x s1 /	1.1730	1.2162	1.2085	1.2312
56	■		■	■

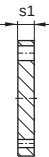
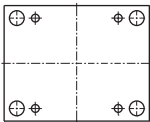
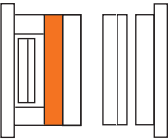
K20
K252

K20 ■ K252 ◆



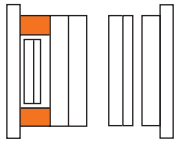
.../596x896 x s1 /	1.1730	1.2162	1.2767	1.2083	1.2085	1.2311	1.2312	1.2343	1.2343 ESU/ESR	Toolox33
36	■						■			
46	■				■ ◆	■ ◆	■ ◆			■
56	■				■ ◆	■ ◆	■ ◆			■
66	■				■ ◆	■ ◆	■ ◆			■
76	■				■ ◆	■ ◆	■ ◆			■
86	■				■ ◆	■ ◆	■ ◆			■
96	■				■ ◆	■ ◆	■ ◆			■
116	■				■ ◆	■ ◆	■ ◆			■
136	■				■ ◆	■ ◆	■ ◆			
156	■				■ ◆	■ ◆	■ ◆			
176	■				■ ◆	■ ◆	■ ◆			
196	■				■ ◆	■ ◆	■ ◆			

K30

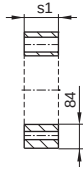
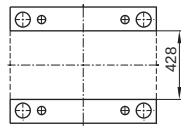


K30/596x896x s1 /	1.1730	1.2162	1.2085	1.2312
46	■			■
56	■		■	■
76	■		■	■
86				■
96				■

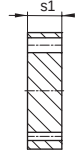
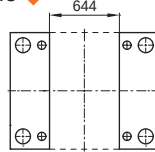
K40
K45
K42



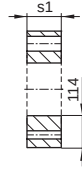
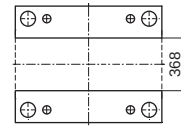
K40 ■



K45 ◆



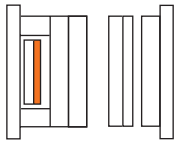
K42 ◇



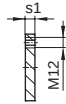
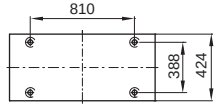
.../596x896 x s1/	1.1730	1.2085	1.2312
86	■ ◆ ◇		
96	■ ◆ ◇	■ ◆	
116	■ ◆ ◇	■ ◆	

.../596x896 x s1/	1.1730	1.2085	1.2312
136	■ ◆ ◇	■ ◆	
156	■ ◆ ◇	■ ◆	
176	■ ◆ ◇	■ ◆	

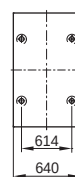
K60
K65
K62



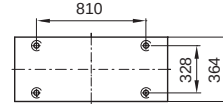
K60 ■



K65 ◆

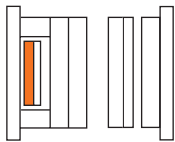


K62 ◇

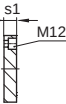
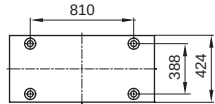


.../596x896 x s1/	1.1730	1.2085	1.2312
27	■ ◆ ◇	■ ◆	

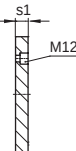
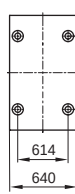
K70
K75
K72



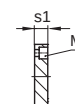
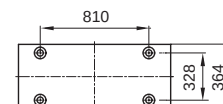
K70 ■



K75 ◆

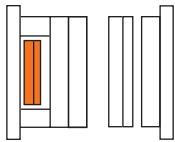


K72 ◇

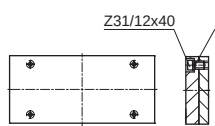


.../596x896 x s1/	1.1730	1.2085	1.2312
36	■ ◆ ◇	■ ◆	■ ◆ ◇

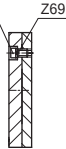
K60-70
K65-75
K62-72



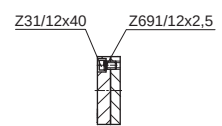
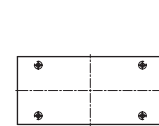
K60-70 ■



K65-75 ◆



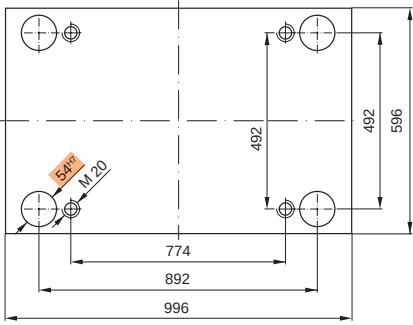
K62-72 ◇



.../596x896 /	1.1730	1.2085
	■ ◆	■ ◆

K62-72/596x896/Typ	1.1730	1.2312
1	K62	K72
3	K62 K72	

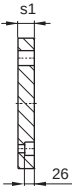
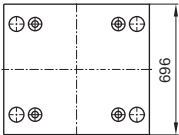
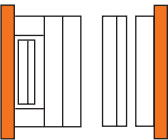
596 x 996



Bestellbeispiel:
Ordering example:
Exemple de commande:

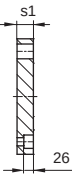
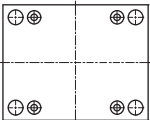
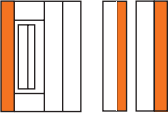
K20 / 596 x 996 x 56 / 1.2085

K11



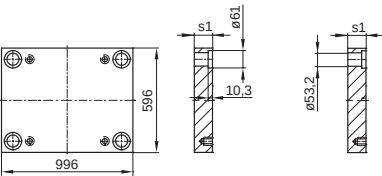
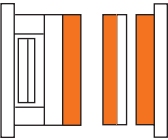
K11/596x996x s1 /	1.1730	1.2162	1.2085	1.2312
56	■		■	■

K16



K16/596x996x s1 /	1.1730	1.2162	1.2085	1.2312
56	■		■	■

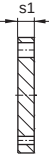
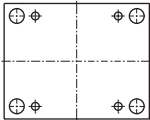
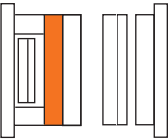
K20
K252



K20 ■ K252 ◆

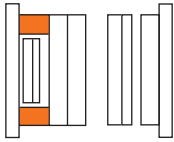
.../596x996 x s1 /	1.1730	1.2162	1.2767	1.2083	1.2085	1.2311	1.2312	1.2343	1.2343 ESU/ESR	Toolox33
36	■						■			
46	■				■ ◆	■ ◆	■ ◆			■
56	■				■ ◆	■ ◆	■ ◆			■
66	■				■ ◆	■ ◆	■ ◆			■
76	■				■ ◆	■ ◆	■ ◆			■
86	■				■ ◆	■ ◆	■ ◆			■
96	■				■ ◆	■ ◆	■ ◆			■
116	■				■ ◆	■ ◆	■ ◆			■
136	■				■ ◆	■ ◆	■ ◆			
156	■				■ ◆	■ ◆	■ ◆			
176	■				■ ◆	■ ◆	■ ◆			
196	■				■ ◆	■ ◆	■ ◆			

K30

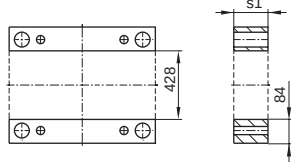


K30/596x996x s1 /	1.1730	1.2162	1.2085	1.2312
46	■			■
56	■		■	■
76	■		■	■
86	■			■
96	■			■
116	■			

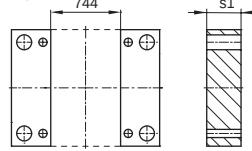
K40
K45
K42



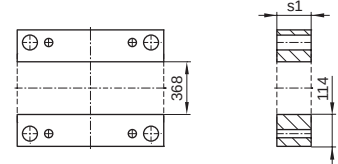
K40 ■



K45 ◆



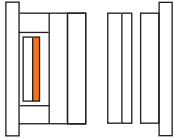
K42 ◇



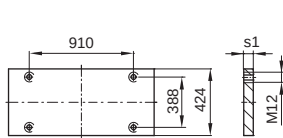
.../596x996 x s1/	1.1730	1.2085	1.2312
86	■ ◆ ◇		
96	■ ◆ ◇	■ ◆	
116	■ ◆ ◇	■ ◆	

.../596x996 x s1/	1.1730	1.2085	1.2312
136	■ ◆ ◇	■ ◆	
156	■ ◆ ◇	■ ◆	
176	■ ◆ ◇		

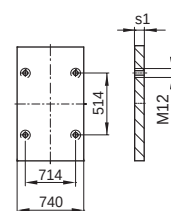
K60
K65
K62



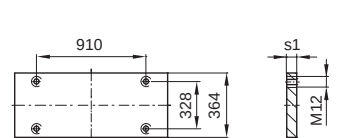
K60 ■



K65 ◆

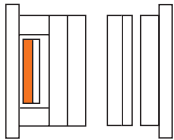


K62 ◇

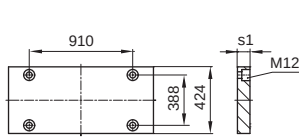


.../596x996 x s1/	1.1730	1.2085	1.2312
27	■ ◆ ◇	■ ◆	

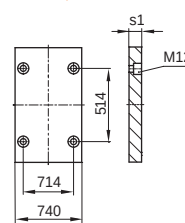
K70
K75
K72



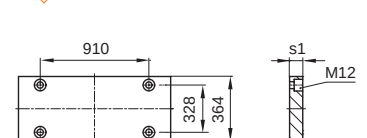
K70 ■



K75 ◆

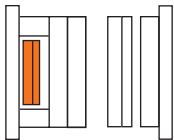


K72 ◇

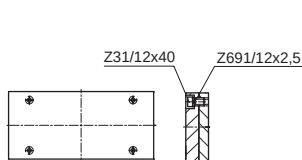


.../596x996 x s1/	1.1730	1.2085	1.2312
36	■ ◆ ◇	■ ◆	■ ◆ ◇

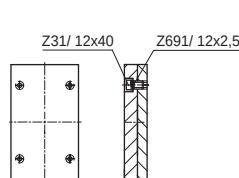
K60-70
K65-75
K62-72



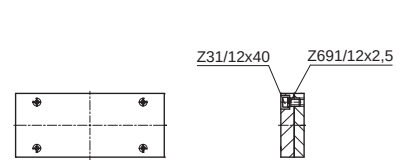
K60-70 ■



K65-75 ◆



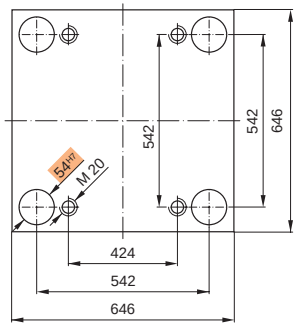
K62-72 ◇



.../596x996 /	1.1730	1.2085
	■ ◆	■ ◆

K62-72/596x996/Typ	1.1730	1.2312
1	K62	K72
3	K62 K72	

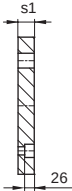
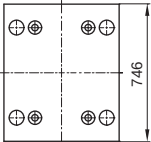
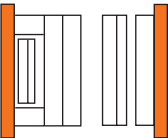
646 x 646



Bestellbeispiel:
Ordering example:
Exemple de commande:

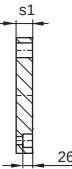
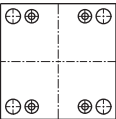
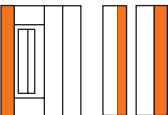
K20 / 646 x 646 x 56 / 1.2085

K11



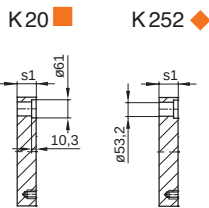
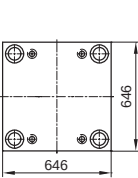
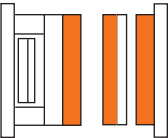
K11/646x646x s1 /	1.1730	1.2162	1.2085	1.2312
56	■		■	■

K16



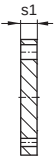
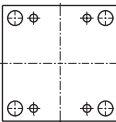
K16/646x646x s1 /	1.1730	1.2162	1.2085	1.2312
56	■		■	■

K20
K252



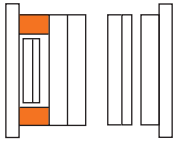
.../646x646 x s1 /	1.1730	1.2162	1.2767	1.2083	1.2085	1.2311	1.2312	1.2343	1.2343 ESU/ESR	Toolox33
36	■						■			
46	■				■	■	■			■
56	■				■	■	■			■
66	■				■	■	■			■
76	■				■	■	■			■
86	■				■	■	■			■
96	■				■	■	■			■
116	■				■	■	■			■
136	■				■	■	■			
156	■				■	■	■			
176	■				■	■	■			
196	■				■	■	■			

K30

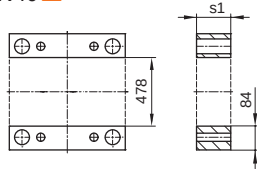


K30/646x646x s1 /	1.1730	1.2162	1.2085	1.2312
46	■			■
56	■		■	■
76	■		■	■
86	■			■
96	■			■

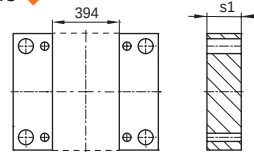
K40
K45
K42



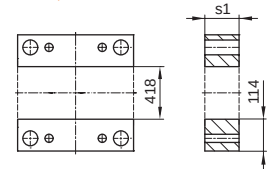
K40 ■



K45 ◆



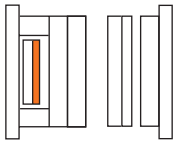
K42 ◇



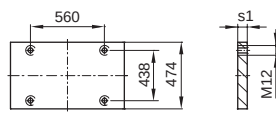
.../646x646 x s1/	1.1730	1.2085	1.2312
86	■ ◆ ◇		
96	■ ◆ ◇	■ ◆	
116	■ ◆ ◇	■ ◆	

.../646x646 x s1/	1.1730	1.2085	1.2312
136	■ ◆ ◇	■ ◆	
156	■ ◆ ◇	■ ◆	
176	■ ◆ ◇		

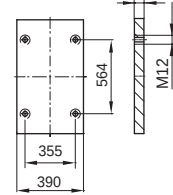
K60
K65
K62



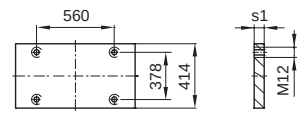
K60 ■



K65 ◆



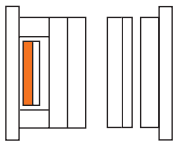
K62 ◇



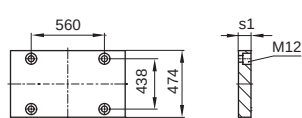
.../646x646 x s1/	1.1730	1.2085	1.2312
27	■ ◆ ◇	■ ◆	



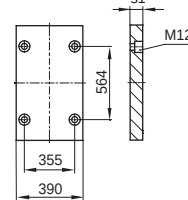
K70
K75
K72



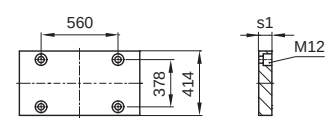
K70 ■



K75 ◆

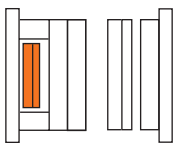


K72 ◇

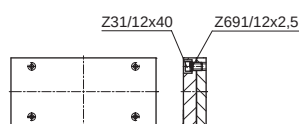


.../646x646 x s1/	1.1730	1.2085	1.2312
36	■ ◆ ◇	■ ◆	■ ◆ ◇

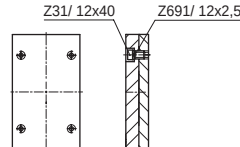
K60-70
K65-75
K62-72



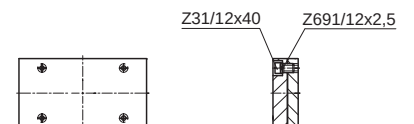
K60-70 ■



K65-75 ◆



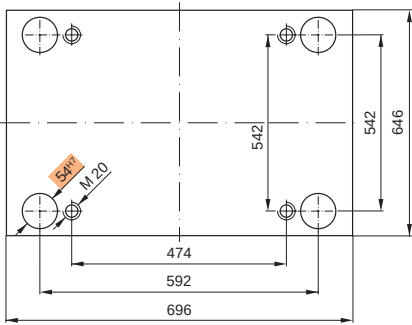
K62-72 ◇



.../646x646 /	1.1730	1.2085
	■ ◆	■ ◆

K62-72/646x646/Typ	1.1730	1.2312
1	K62	K72
3	K62 K72	

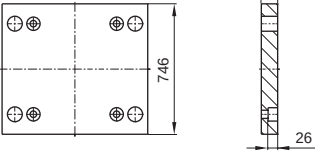
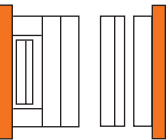
646 x 696



Bestellbeispiel:
Ordering example:
Exemple de commande:

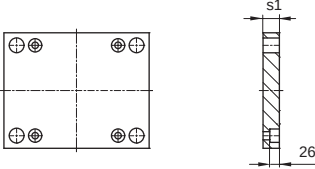
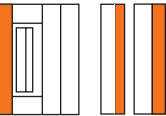
K20 / 646 x 696 x 56 / 1.2085

K11



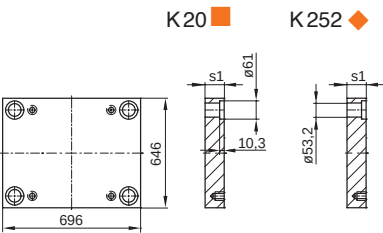
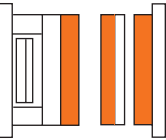
K11/646x696x s1 /	1.1730	1.2162	1.2085	1.2312
56	■		■	■

K16



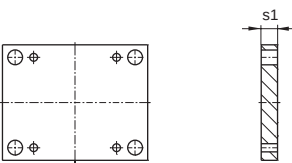
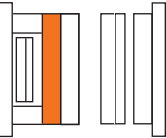
K16/646x696x s1 /	1.1730	1.2162	1.2085	1.2312
56	■		■	■

K20
K252



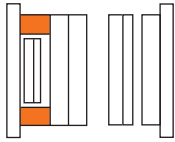
.../646x696 x s1 /	1.1730	1.2162	1.2767	1.2083	1.2085	1.2311	1.2312	1.2343	1.2343 ESU/ESR	Toolox33
36	■						■			
46	■				■ ◆	■ ◆	■ ◆			■
56	■				■ ◆	■ ◆	■ ◆			■
66	■				■ ◆	■ ◆	■ ◆			■
76	■				■ ◆	■ ◆	■ ◆			■
86	■				■ ◆	■ ◆	■ ◆			■
96	■				■ ◆	■ ◆	■ ◆			■
116	■				■ ◆	■ ◆	■ ◆			■
136	■				■ ◆	■ ◆	■ ◆			
156	■				■ ◆	■ ◆	■ ◆			
176	■				■ ◆	■ ◆	■ ◆			
196	■				■ ◆	■ ◆	■ ◆			

K30

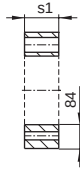
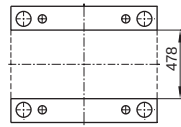


K30/646x696x s1 /	1.1730	1.2162	1.2085	1.2312
46	■			■
56	■		■	■
76	■		■	■
86	■			■
96	■			■

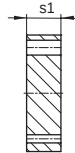
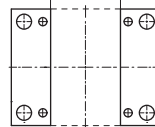
K40
K45
K42



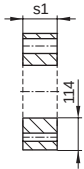
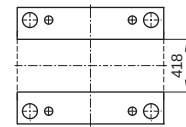
K40 ■



K45 ◆



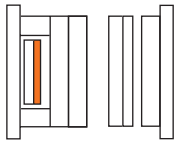
K42 ◇



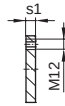
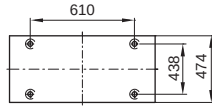
.../646x696 x s1/	1.1730	1.2085	1.2312
86	■ ◆ ◇		
96	■ ◆ ◇	■ ◆	
116	■ ◆ ◇	■ ◆	

.../646x696 x s1/	1.1730	1.2085	1.2312
136	■ ◆ ◇	■ ◆	
156	■ ◆ ◇	■ ◆	
176	■ ◆ ◇		

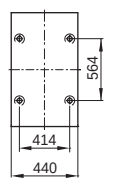
K60
K65
K62



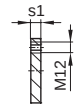
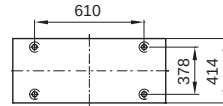
K60 ■



K65 ◆

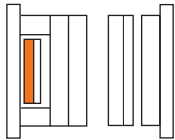


K62 ◇

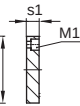
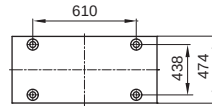


.../646x696 x s1/	1.1730	1.2085	1.2312
27	■ ◆ ◇	■ ◆	

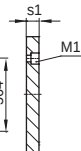
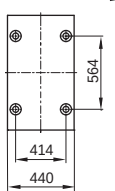
K70
K75
K72



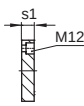
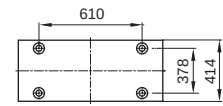
K70 ■



K75 ◆

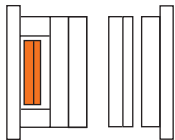


K72 ◇

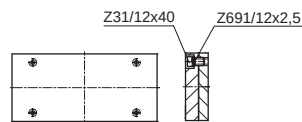


.../646x696 x s1/	1.1730	1.2085	1.2312
36	■ ◆ ◇	■ ◆	■ ◆ ◇

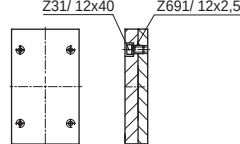
K60-70
K65-75
K62-72



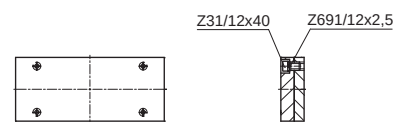
K60-70 ■



K65-75 ◆



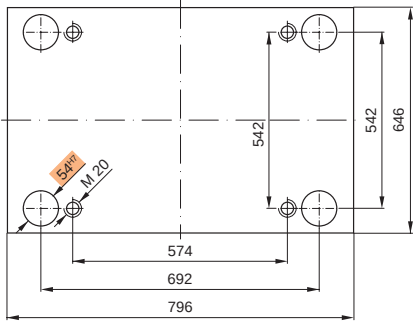
K62-72 ◇



.../646x696 /	1.1730	1.2085
	■ ◆	■ ◆

K62-72/646x796/Typ	1.1730	1.2312
1	K62	K72
3	K62 K72	

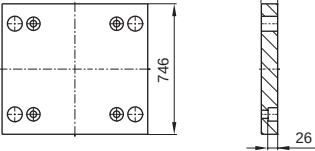
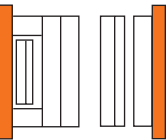
646 x 796



Bestellbeispiel:
Ordering example:
Exemple de commande:

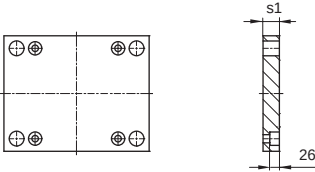
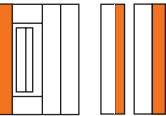
K20 / 646 x 796 x 56 / 1.2085

K11



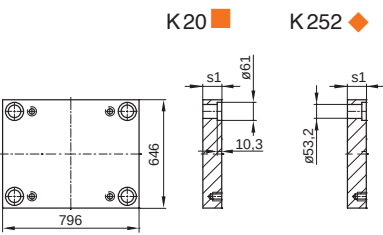
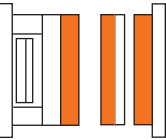
K11/646x796x s1 /	1.1730	1.2162	1.2085	1.2312
56	■		■	■

K16



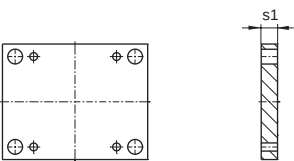
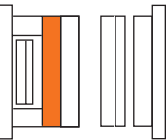
K16/646x796x s1 /	1.1730	1.2162	1.2085	1.2312
56	■		■	■

K20
K252



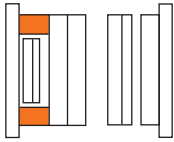
.../646x796 x s1 /	1.1730	1.2162	1.2767	1.2083	1.2085	1.2311	1.2312	1.2343	1.2343 ESU/ESR	Toolox33
36	■						■			
46	■				■	■	■			■
56	■				■	■	■			■
66	■				■	■	■			■
76	■				■	■	■			■
86	■				■	■	■			■
96	■				■	■	■			■
116	■				■	■	■			■
136	■				■	■	■			
156	■				■	■	■			
176	■				■	■	■			
196	■				■	■	■			

K30

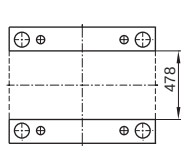


K30/646x796x s1 /	1.1730	1.2162	1.2085	1.2312
46	■			■
56	■		■	■
76	■		■	■
86	■			■
96	■			■

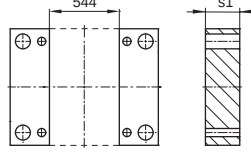
K40
K45
K42



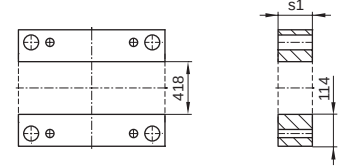
K40 ■



K45 ◆



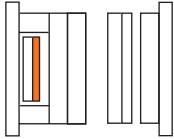
K42 ◇



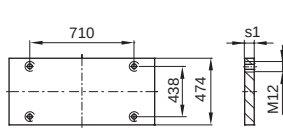
.../646x796 x s1/	1.1730	1.2085	1.2312
86	■ ◇		
96	■ ◆ ◇	■ ◆	
116	■ ◆ ◇	■ ◆	

.../646x796 x s1/	1.1730	1.2085	1.2312
136	■ ◆ ◇	■ ◆	
156	■ ◆ ◇	■ ◆	
176	■ ◆ ◇		

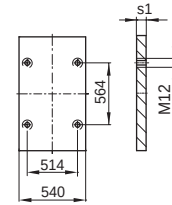
K60
K65
K62



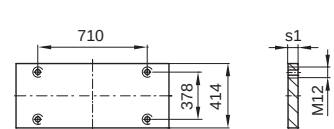
K60 ■



K65 ◆

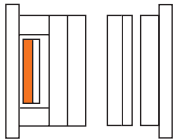


K62 ◇

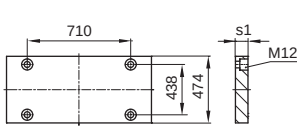


.../646x796 x s1/	1.1730	1.2085	1.2312
27	■ ◆ ◇	■ ◆	

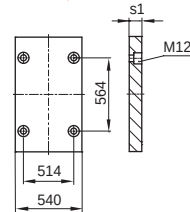
K70
K75
K72



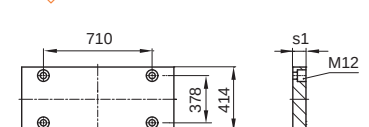
K70 ■



K75 ◆

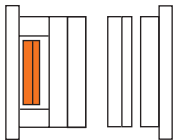


K72 ◇

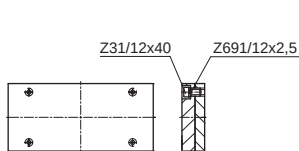


.../646x796 x s1/	1.1730	1.2085	1.2312
36	■ ◆ ◇	■ ◆	■ ◆ ◇

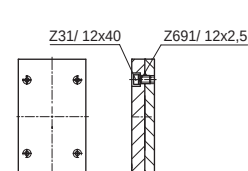
K60-70
K65-75
K62-72



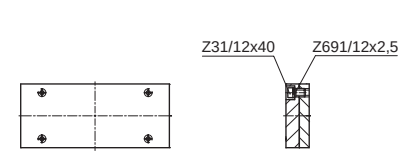
K60-70 ■



K65-75 ◆



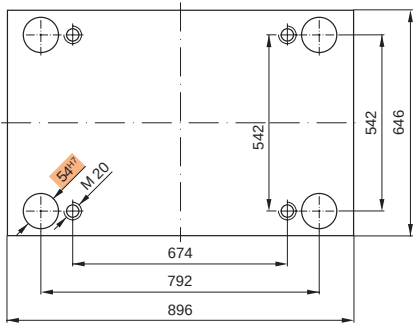
K62-72 ◇



.../646x796 /	1.1730	1.2085
	■ ◆	■ ◆

K62-72/646x796/Typ	1.1730	1.2312
1	K62	K72
3	K62 K72	

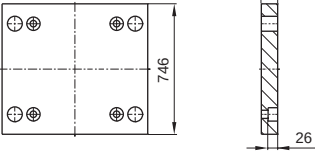
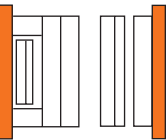
646 x 896



Bestellbeispiel:
Ordering example:
Exemple de commande:

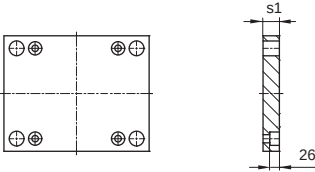
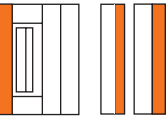
K20 / 646 x 896 x 56 / 1.2085

K11



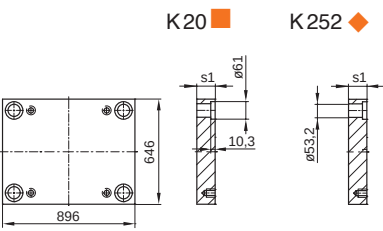
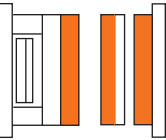
K11/646x896x s1 /	1.1730	1.2162	1.2085	1.2312
56	■		■	■

K16



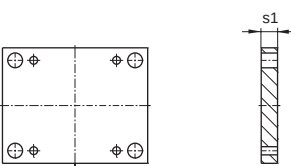
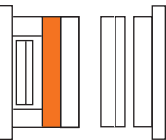
K16/646x896x s1 /	1.1730	1.2162	1.2085	1.2312
56	■		■	■

K20
K252



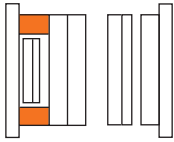
.../646x896 x s1 /	1.1730	1.2162	1.2767	1.2083	1.2085	1.2311	1.2312	1.2343	1.2343 ESU/ESR	Toolox33
36	■						■			
46	■				■ ◆	■ ◆	■ ◆			■
56	■				■ ◆	■ ◆	■ ◆			■
66	■				■ ◆	■ ◆	■ ◆			■
76	■				■ ◆	■ ◆	■ ◆			■
86	■				■ ◆	■ ◆	■ ◆			■
96	■				■ ◆	■ ◆	■ ◆			■
116	■				■ ◆	■ ◆	■ ◆			■
136	■				■ ◆	■ ◆	■ ◆			
156	■				■ ◆	■ ◆	■ ◆			
176	■				■ ◆	■ ◆	■ ◆			
196	■				■ ◆	■ ◆	■ ◆			

K30

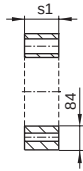
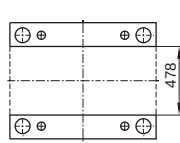


K30/646x896x s1 /	1.1730	1.2162	1.2085	1.2312
46	■			■
56	■		■	■
76	■		■	■
86	■			■
96	■			■

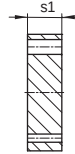
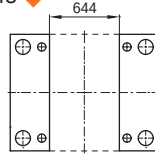
K40
K45
K42



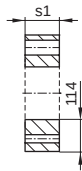
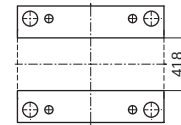
K40 ■



K45 ◆



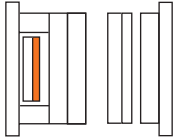
K42 ◇



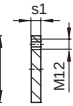
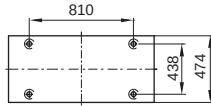
.../646x896 x s1/	1.1730	1.2085	1.2312
86	■ ◆ ◇		
96	■ ◆ ◇	■ ◆	
116	■ ◆ ◇	■ ◆	

.../646x896 x s1/	1.1730	1.2085	1.2312
136	■ ◆ ◇	■ ◆	
156	■ ◆ ◇	■ ◆	
176	■ ◆ ◇		

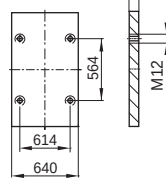
K60
K65
K62



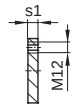
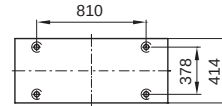
K60 ■



K65 ◆

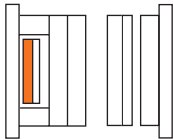


K62 ◇

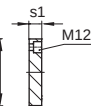
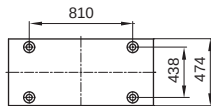


.../646x896 x s1/	1.1730	1.2085	1.2312
27	■ ◆ ◇	■ ◆	

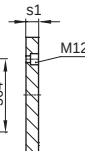
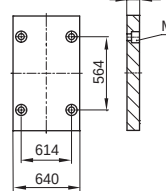
K70
K75
K72



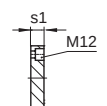
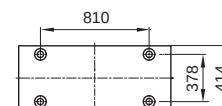
K70 ■



K75 ◆

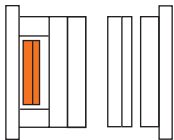


K72 ◇

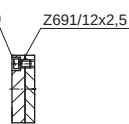
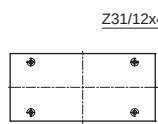


.../646x896 x s1/	1.1730	1.2085	1.2312
36	■ ◆ ◇	■ ◆	■ ◆ ◇

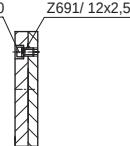
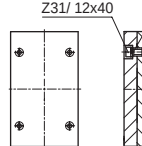
K60-70
K65-75
K62-72



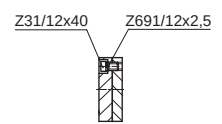
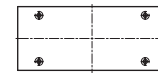
K60-70 ■



K65-75 ◆



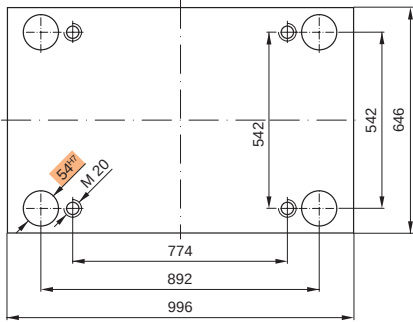
K62-72 ◇



.../646x896 /	1.1730	1.2085
	■ ◆	■ ◆

K62-72/646x896/Typ	1.1730	1.2312
1	K62	K72
3	K62 K72	

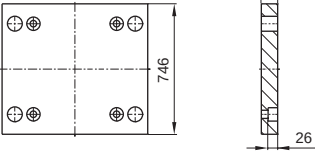
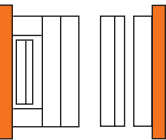
646 x 996



Bestellbeispiel:
Ordering example:
Exemple de commande:

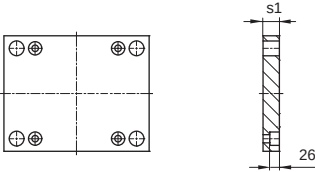
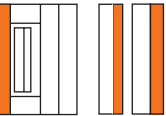
K20 / 646 x 996 x 56 / 1.2085

K11



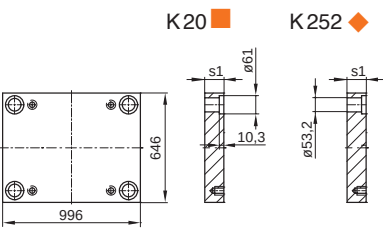
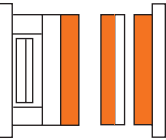
K11/646x996x s1 /	1.1730	1.2162	1.2085	1.2312
56	■		■	■

K16



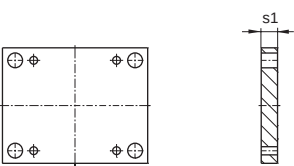
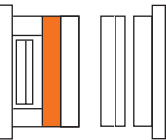
K16/646x996x s1 /	1.1730	1.2162	1.2085	1.2312
56	■		■	■

K20
K252



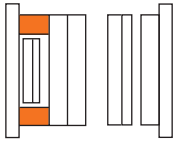
.../646x996 x s1 /	1.1730	1.2162	1.2767	1.2083	1.2085	1.2311	1.2312	1.2343	1.2343 ESU/ESR	Toolox33
36	■						■			
46	■				■ ◆	■ ◆	■ ◆			■
56	■				■ ◆	■ ◆	■ ◆			■
66	■				■ ◆	■ ◆	■ ◆			■
76	■				■ ◆	■ ◆	■ ◆			■
86	■				■ ◆	■ ◆	■ ◆			■
96	■				■ ◆	■ ◆	■ ◆			■
116	■				■ ◆	■ ◆	■ ◆			■
136	■				■ ◆	■ ◆	■ ◆			
156	■				■ ◆	■ ◆	■ ◆			
176	■				■ ◆	■ ◆	■ ◆			
196	■				■ ◆	■ ◆	■ ◆			

K30

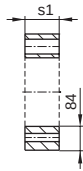
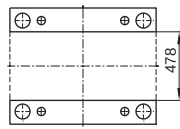


K30/646x996x s1 /	1.1730	1.2162	1.2085	1.2312
46	■			■
56	■		■	■
76	■		■	■
86	■			■
96	■			■

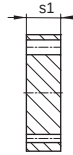
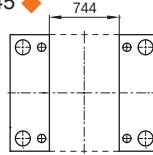
K40
K45
K42



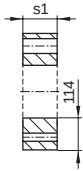
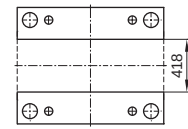
K40 ■



K45 ◆



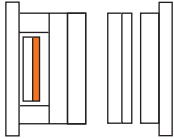
K42 ◇



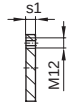
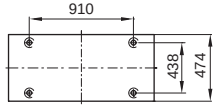
.../646x996 x s1/	1.1730	1.2085	1.2312
86	■ ◆ ◇		
96	■ ◆ ◇	■ ◆	
116	■ ◆ ◇	■ ◆	

.../646x996 x s1/	1.1730	1.2085	1.2312
136	■ ◆ ◇	■ ◆	
156	■ ◆ ◇	■ ◆	
176	■ ◆ ◇		

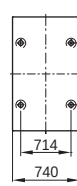
K60
K65
K62



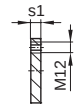
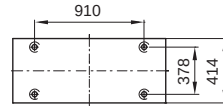
K60 ■



K65 ◆

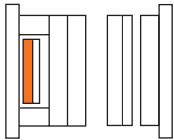


K62 ◇

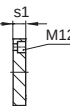
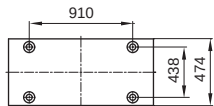


.../646x996 x s1/	1.1730	1.2085	1.2312
27	■ ◆ ◇	■ ◆	

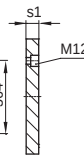
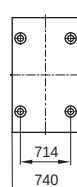
K70
K75
K72



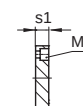
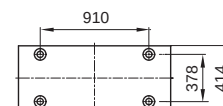
K70 ■



K75 ◆

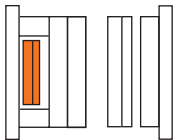


K72 ◇

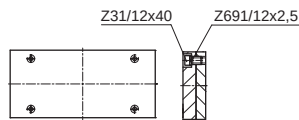


.../646x996 x s1/	1.1730	1.2085	1.2312
36	■ ◆ ◇	■ ◆	■ ◆ ◇

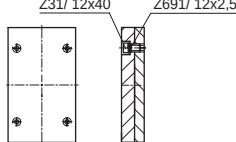
K60-70
K65-75
K62-72



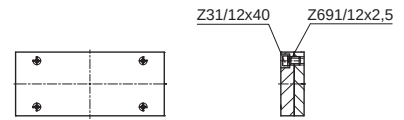
K60-70 ■



K65-75 ◆



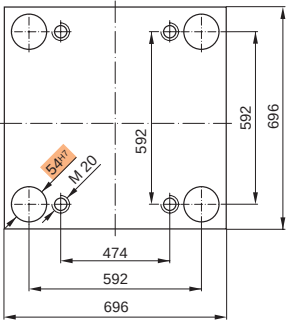
K62-72 ◇



.../646x996 /	1.1730	1.2085
	■ ◆	■ ◆

K62-72/646x996/Typ	1.1730	1.2312
1	K62	K72
3	K62 K72	

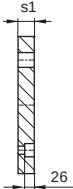
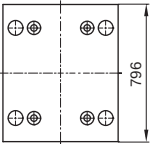
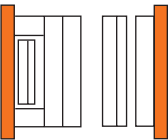
696 x 696



Bestellbeispiel:
Ordering example:
Exemple de commande:

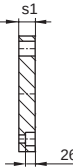
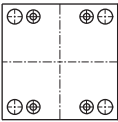
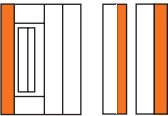
K20 / 696 x 696 x 56 / 1.2085

K11



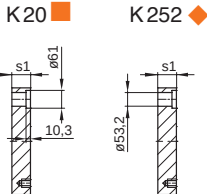
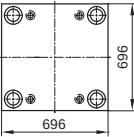
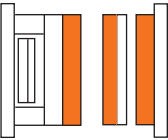
K11/696x696x s1 /	1.1730	1.2162	1.2085	1.2312
76	■		■	■

K16



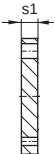
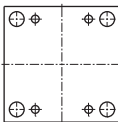
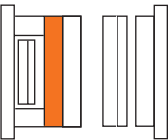
K16/696x696x s1 /	1.1730	1.2162	1.2085	1.2312
56	■		■	■

K20
K252



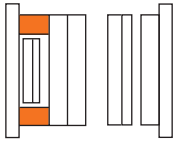
.../696x696 x s1 /	1.1730	1.2162	1.2767	1.2083	1.2085	1.2311	1.2312	1.2343	1.2343 ESU/ESR	Toolox33
36	■									
46	■				■	■	■			■
56	■				■	■	■			■
66	■				■	■	■			■
76	■				■	■	■			■
86	■				■	■	■			■
96	■				■	■	■			■
116	■				■	■	■			■
136	■				■	■	■			
156	■				■	■	■			
176	■				■	■	■			
196	■				■	■	■			

K30

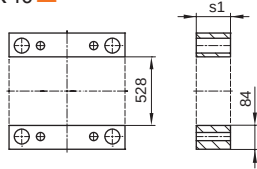


K30/696x696x s1 /	1.1730	1.2162	1.2085	1.2312
46	■			■
56	■		■	■
76	■		■	■
86	■			■
96	■			■

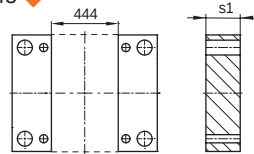
K40
K45
K42



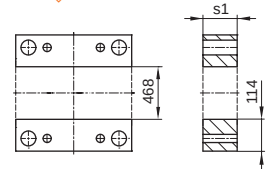
K40 ■



K45 ◆



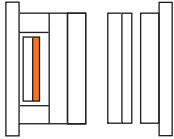
K42 ◇



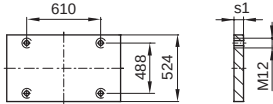
.../696x696 x s1/	1.1730	1.2085	1.2312
86	■ ◆ ◇		
96	■ ◆ ◇	■ ◆	
116	■ ◆ ◇	■ ◆	

.../696x696 x s1/	1.1730	1.2085	1.2312
136	■ ◆ ◇	■ ◆	
156	■ ◆ ◇	■ ◆	
176	■ ◆ ◇		

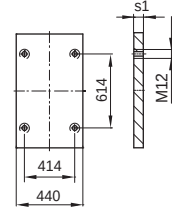
K60
K65
K62



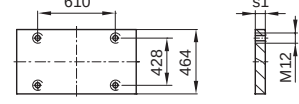
K60 ■



K65 ◆



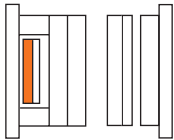
K62 ◇



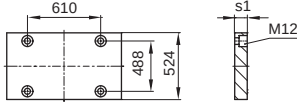
.../696x696 x s1/	1.1730	1.2085	1.2312
27	■ ◆ ◇	■ ◆	



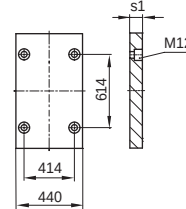
K70
K75
K72



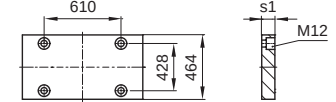
K70 ■



K75 ◆

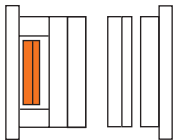


K72 ◇

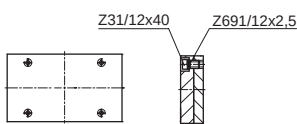


.../696x696 x s1/	1.1730	1.2085	1.2312
36	■ ◆ ◇	■ ◆	■ ◆ ◇

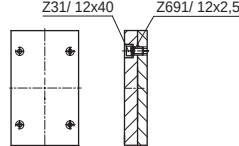
K60-70
K65-75
K62-72



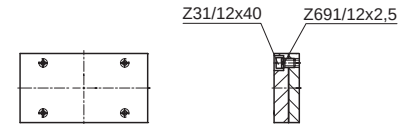
K60-70 ■



K65-75 ◆



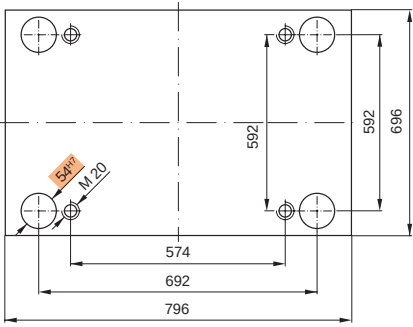
K62-72 ◇



.../696x696 /	1.1730	1.2085
	■ ◆	■ ◆

K62-72/696x696/Typ	1.1730	1.2312
1	K62	K72
3	K62 K72	

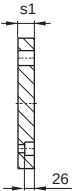
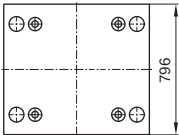
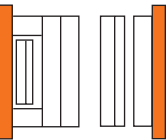
696 x 796



Bestellbeispiel:
Ordering example:
Exemple de commande:

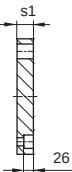
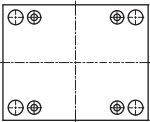
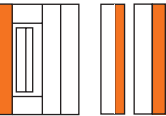
K20 / 696 x 796 x 56 / 1.2085

K11



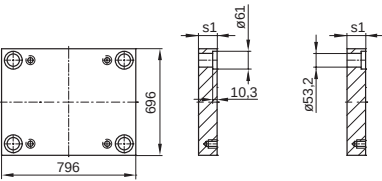
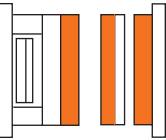
K11/696x796x s1 /	1.1730	1.2162	1.2085	1.2312
76	■		■	■

K16



K16/696x796x s1 /	1.1730	1.2162	1.2085	1.2312
56	■		■	■

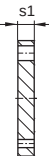
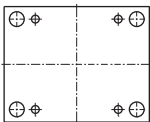
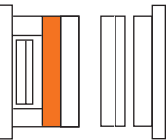
K20
K252



K20 ■ K252 ◆

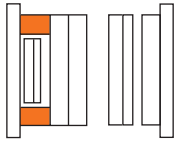
.../696x796 x s1 /	1.1730	1.2162	1.2767	1.2083	1.2085	1.2311	1.2312	1.2343	1.2343 ESU/ESR	Toolox33
36	■									
46	■				■ ◆	■ ◆	■ ◆			■
56	■				■ ◆	■ ◆	■ ◆			■
66	■				■ ◆	■ ◆	■ ◆			■
76	■				■ ◆	■ ◆	■ ◆			■
86	■				■ ◆	■ ◆	■ ◆			■
96	■				■ ◆	■ ◆	■ ◆			■
116	■				■ ◆	■ ◆	■ ◆			■
136	■				■ ◆	■ ◆	■ ◆			
156	■				■ ◆	■ ◆	■ ◆			
176	■				■ ◆	■ ◆	■ ◆			
196	■				■ ◆	■ ◆	■ ◆			

K30

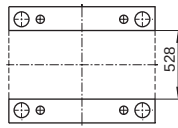


K30/696x796x s1 /	1.1730	1.2162	1.2085	1.2312
46	■			■
56	■		■	■
76	■		■	■
86	■			■
96	■			■

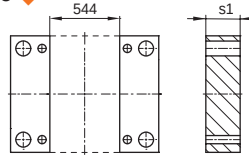
K40
K45
K42



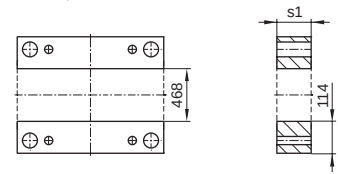
K40 ■



K45 ◆



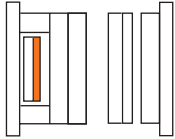
K42 ◇



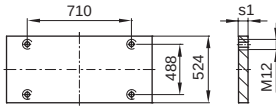
.../696x796 x s1/	1.1730	1.2085	1.2312
86	■ ◇		
96	■ ◆ ◇	■ ◆	
116	■ ◆ ◇	■ ◆	

.../696x796 x s1/	1.1730	1.2085	1.2312
136	■ ◆ ◇	■ ◆	
156	■ ◆ ◇	■ ◆	
176	■		

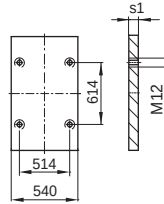
K60
K65
K62



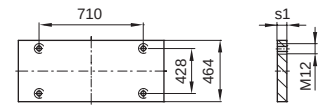
K60 ■



K65 ◆

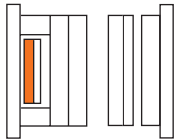


K62 ◇

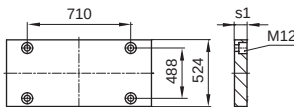


.../696x796 x s1/	1.1730	1.2085	1.2312
27	■ ◆ ◇	■ ◆	

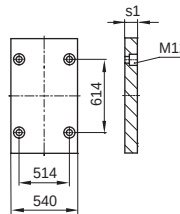
K70
K75
K72



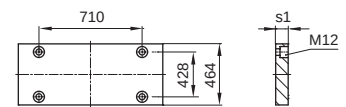
K70 ■



K75 ◆

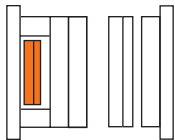


K72 ◇

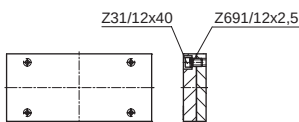


.../696x796 x s1/	1.1730	1.2085	1.2312
36	■ ◆ ◇	■ ◆	■ ◆ ◇

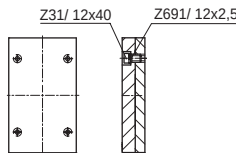
K60-70
K65-75
K62-72



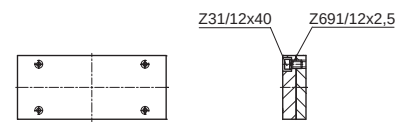
K60-70 ■



K65-75 ◆

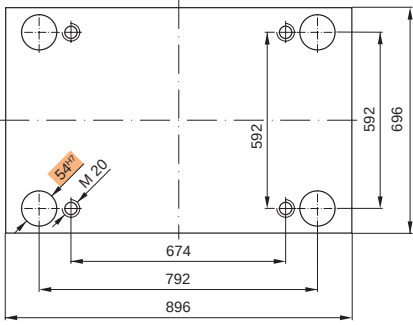


K62-72 ◇



.../696x796 /	1.1730	1.2085	K62-72/696x796/Typ	1.1730	1.2312
	■ ◆	■ ◆	1	K62	K72
			3	K62 K72	

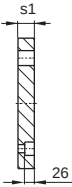
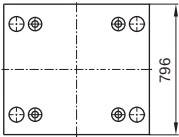
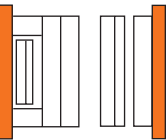
696 x 896



Bestellbeispiel:
Ordering example:
Exemple de commande:

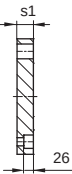
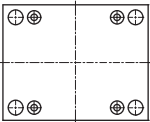
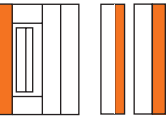
K20 / 696 x 896 x 56 / 1.2085

K11



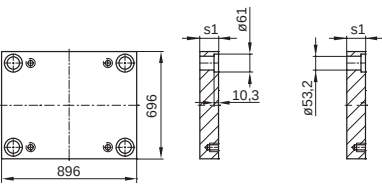
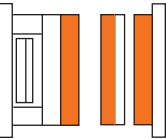
K11/696x896x s1 /	1.1730	1.2162	1.2085	1.2312
76	■		■	■

K16



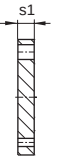
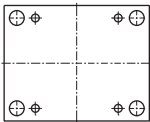
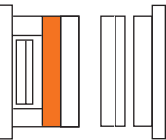
K16/696x896x s1 /	1.1730	1.2162	1.2085	1.2312
56	■		■	■

K20
K252



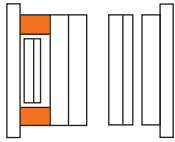
.../696x896 x s1 /	1.1730	1.2162	1.2767	1.2083	1.2085	1.2311	1.2312	1.2343	1.2343 ESU/ESR	Toolox33
36	■									
46	■				■	■	■			■
56	■				■	■	■			■
66	■				■	■	■			■
76	■				■	■	■			■
86	■				■	■	■			■
96	■				■	■	■			■
116	■				■	■	■			■
136	■				■	■	■			
156	■				■	■	■			
176	■				■	■	■			
196	■				■	■	■			

K30

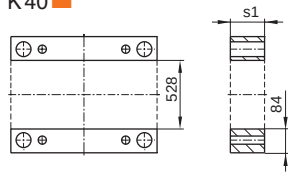


K30/696x896x s1 /	1.1730	1.2162	1.2085	1.2312
46	■			■
56	■		■	■
76	■		■	■
86	■			■
96	■			■

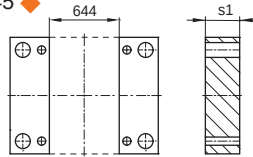
K40
K45
K42



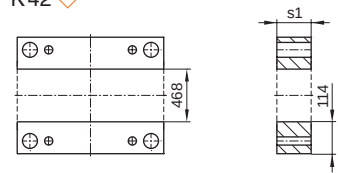
K40 ■



K45 ◆



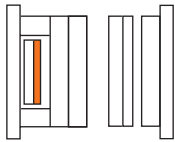
K42 ◇



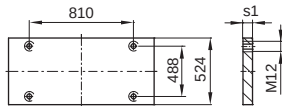
.../696x896 x s1/	1.1730	1.2085	1.2312
86	■ ◆		
96	■ ◆ ◆	■ ◆	
116	■ ◆ ◆	■ ◆	

.../696x896 x s1/	1.1730	1.2085	1.2312
136	■ ◆ ◆	■ ◆	
156	■ ◆ ◆	■ ◆	
176	■ ◆		

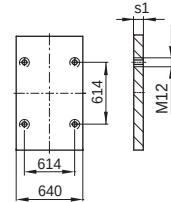
K60
K65
K62



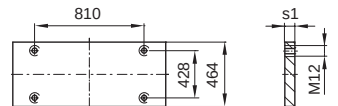
K60 ■



K65 ◆

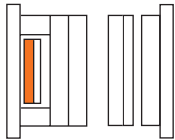


K62 ◇

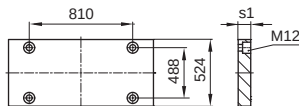


.../696x896 x s1/	1.1730	1.2085	1.2312
27	■ ◆ ◆	■ ◆	

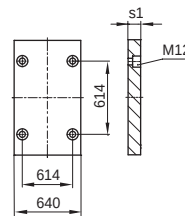
K70
K75
K72



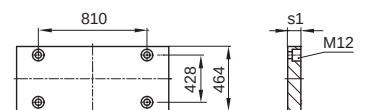
K70 ■



K75 ◆

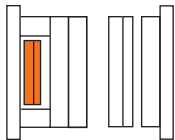


K72 ◇

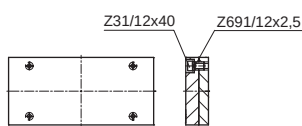


.../696x896 x s1/	1.1730	1.2085	1.2312
36	■ ◆ ◆	■ ◆	■ ◆ ◆

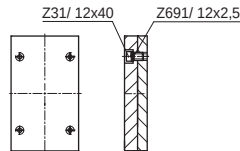
K60-70
K65-75
K62-72



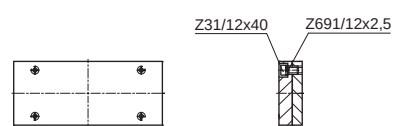
K60-70 ■



K65-75 ◆



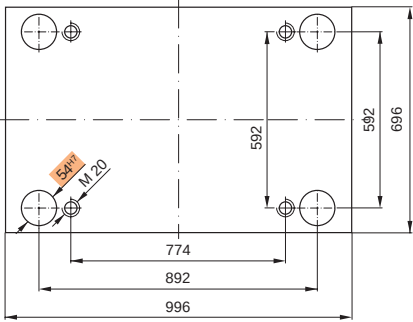
K62-72 ◇



.../696x896 /	1.1730	1.2085
	■ ◆	■ ◆

K62-72/696x896/Typ	1.1730	1.2312
1	K62	K72
3	K62 K72	

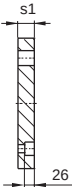
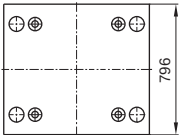
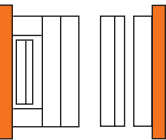
696 x 996



Bestellbeispiel:
Ordering example:
Exemple de commande:

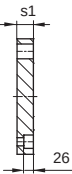
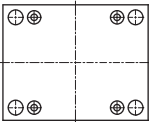
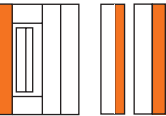
K20 / 696 x 996 x 56 / 1.2085

K11



K11/696x996x s1 /	1.1730	1.2162	1.2085	1.2312
76	■		■	■

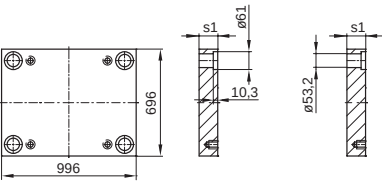
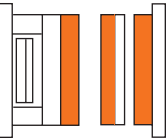
K16



K16/696x996x s1 /	1.1730	1.2162	1.2085	1.2312
56	■		■	■

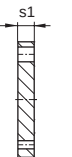
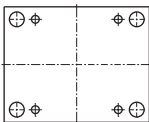
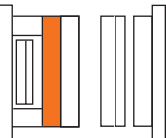
K20
K252

K20 ■ K252 ◆



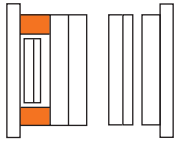
.../696x996 x s1 /	1.1730	1.2162	1.2767	1.2083	1.2085	1.2311	1.2312	1.2343	1.2343 ESU/ESR	Toolox33
36	■									
46	■				■ ◆	■ ◆	■ ◆			■
56	■				■ ◆	■ ◆	■ ◆			■
66	■				■ ◆	■ ◆	■ ◆			■
76	■				■ ◆	■ ◆	■ ◆			■
86	■				■ ◆	■ ◆	■ ◆			■
96	■				■ ◆	■ ◆	■ ◆			■
116	■				■ ◆	■ ◆	■ ◆			■
136	■				■ ◆	■ ◆	■ ◆			
156	■				■ ◆	■ ◆	■ ◆			
176	■				■ ◆	■ ◆	■ ◆			
196	■				■ ◆	■ ◆	■ ◆			

K30

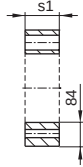
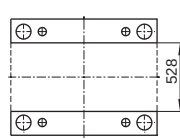


K30/696x996x s1 /	1.1730	1.2162	1.2085	1.2312
46	■			■
56	■		■	■
76	■		■	■
86	■			■
96	■			■

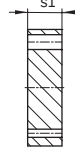
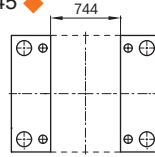
K40
K45
K42



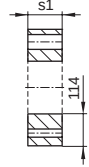
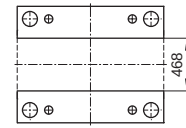
K40 ■



K45 ◆



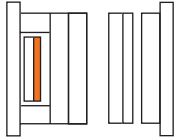
K42 ◇



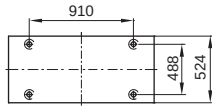
.../696x996 x s1/	1.1730	1.2085	1.2312
86	■ ◇		
96	■ ◆ ◇	■ ◆	
116	■ ◆ ◇	■ ◆	

.../696x996 x s1/	1.1730	1.2085	1.2312
136	■ ◆ ◇	■ ◆	
156	■ ◆ ◇	■ ◆	
176	■ ◆ ◇		

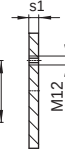
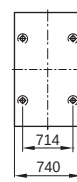
K60
K65
K62



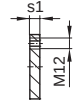
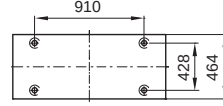
K60 ■



K65 ◆

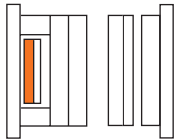


K62 ◇

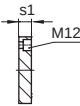
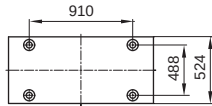


.../696x996 x s1/	1.1730	1.2085	1.2312
27	■ ◆ ◇	■ ◆	

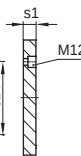
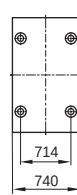
K70
K75
K72



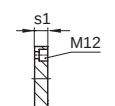
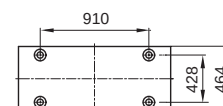
K70 ■



K75 ◆

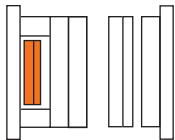


K72 ◇

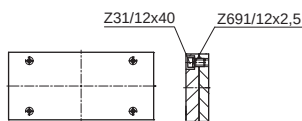


.../696x996 x s1/	1.1730	1.2085	1.2312
36	■ ◆ ◇	■ ◆	■ ◆ ◇

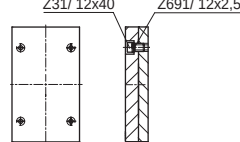
K60-70
K65-75
K62-72



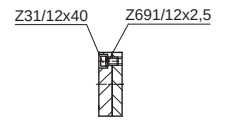
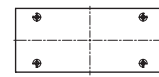
K60-70 ■



K65-75 ◆



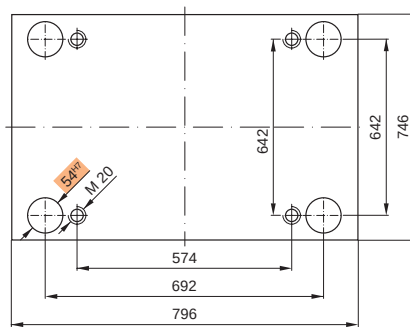
K62-72 ◇



.../696x996 /	1.1730	1.2085
	■ ◆	■ ◆

K62-72/696x996/Typ	1.1730	1.2312
1	K62	K72
3	K62 K72	

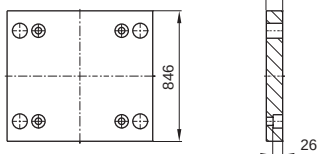
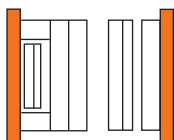
746 x 796



Bestellbeispiel:
Ordering example:
Exemple de commande:

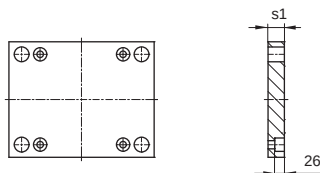
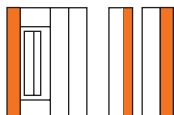
K20 / 746 x 796 x 56 / 1.2085

K11



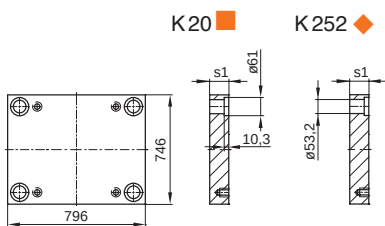
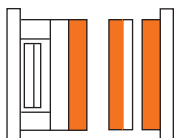
K11/746x796x s1 /	1.1730	1.2162	1.2085	1.2312
76	■		■	■

K16



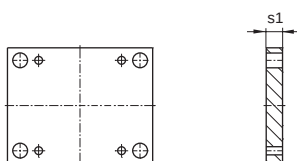
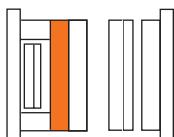
K16/746x796x s1 /	1.1730	1.2162	1.2085	1.2312
56	■		■	■

K20 K252



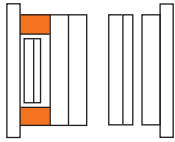
.../746x796 xs1 /	1.1730	1.2162	1.2767	1.2083	1.2085	1.2311	1.2312	1.2343	1.2343 ESU/ESR	Toolox33
46	■				■	■	■			■
56	■				■	■	■			■
66	■				■	■	■			■
76	■				■	■	■			■
86	■				■	■	■			■
96	■				■	■	■			■
116	■				■	■	■			■
136	■				■	■	■			
156	■				■	■	■			
176	■				■	■	■			
196	■				■	■	■			

K30

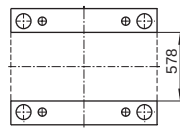


K30/746x796x s1 /	1.1730	1.2162	1.2085	1.2312
46	■			■
56	■		■	■
76	■		■	■
86	■			■
96	■			■

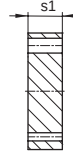
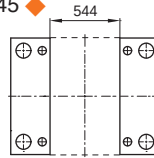
K40
K45
K42



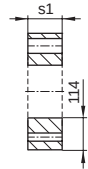
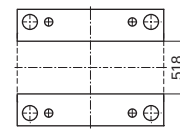
K40 ■



K45 ◆



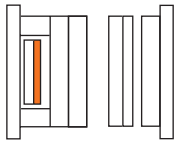
K42 ◇



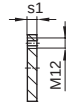
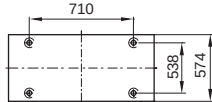
.../746x796 x s1/	1.1730	1.2085	1.2312
86	■ ◇		
96	■ ◆ ◇	■ ◆	
116	■ ◆ ◇	■ ◆	

.../746x796 x s1/	1.1730	1.2085	1.2312
136	■ ◆ ◇	■ ◆	
156	■ ◆ ◇	■ ◆	
176	■ ◆ ◇		

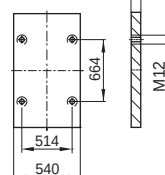
K60
K65
K62



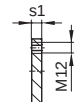
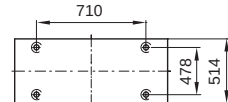
K60 ■



K65 ◆

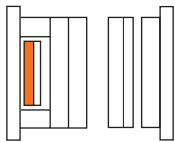


K62 ◇

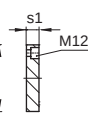
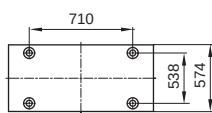


.../746x796 x s1/	1.1730	1.2085	1.2312
27	■ ◆ ◇	■ ◆	

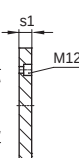
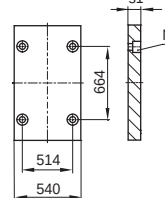
K70
K75
K72



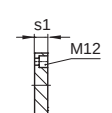
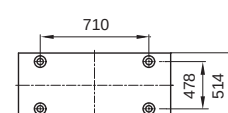
K70 ■



K75 ◆

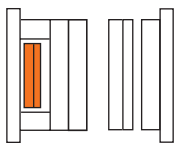


K72 ◇

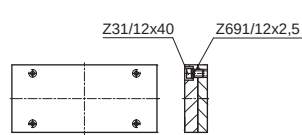


.../746x796 x s1/	1.1730	1.2085	1.2312
36	■ ◆ ◇	■ ◆	■ ◆ ◇

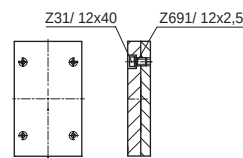
K60-70
K65-75
K62-72



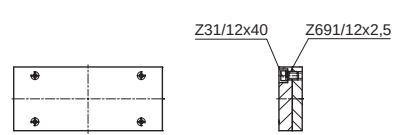
K60-70 ■



K65-75 ◆



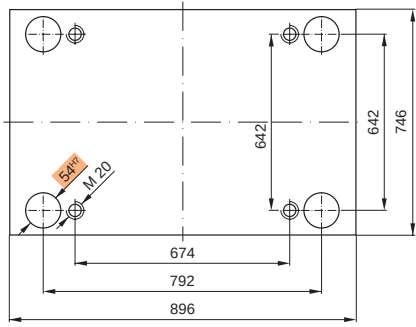
K62-72 ◇



.../746x796 /	1.1730	1.2085
	■ ◆	■ ◆

K62-72/746x796/Typ	1.1730	1.2312
1	K62	K72
3	K62 K72	

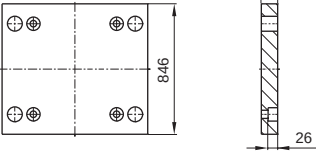
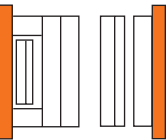
746 x 896



Bestellbeispiel:
Ordering example:
Exemple de commande:

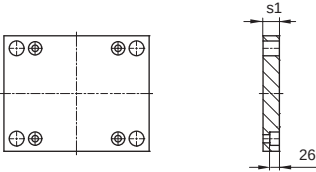
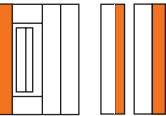
K20 / 746 x 896 x 56 / 1.2085

K11



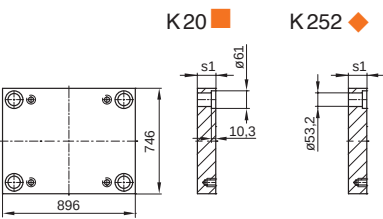
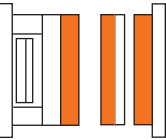
K11/746x896x s1 /	1.1730	1.2162	1.2085	1.2312
76	■		■	■

K16



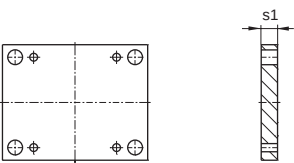
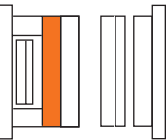
K16/746x896x s1 /	1.1730	1.2162	1.2085	1.2312
56	■		■	■

K20
K252



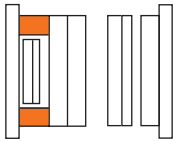
.../746x896 xs1/	1.1730	1.2162	1.2767	1.2083	1.2085	1.2311	1.2312	1.2343	1.2343 ESU/ESR	Toolox33
46	■				■ ◆	■ ◆	■ ◆			■
56	■				■ ◆	■ ◆	■ ◆			■
66	■				■ ◆	■ ◆	■ ◆			■
76	■				■ ◆	■ ◆	■ ◆			■
86	■				■ ◆	■ ◆	■ ◆			■
96	■				■ ◆	■ ◆	■ ◆			■
116	■				■ ◆	■ ◆	■ ◆			■
136	■				■ ◆	■ ◆	■ ◆			
156	■				■ ◆	■ ◆	■ ◆			
176	■				■ ◆	■ ◆	■ ◆			
196	■				■ ◆	■ ◆	■ ◆			

K30

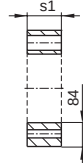
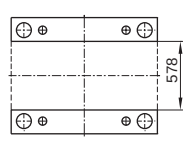


K30/746x896x s1 /	1.1730	1.2162	1.2085	1.2312
46	■			■
56	■		■	■
76	■		■	■
86	■			■
96	■			■

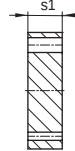
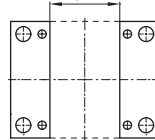
K40
K45
K42



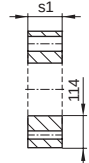
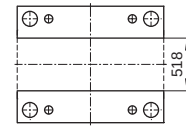
K40 ■



K45 ◆



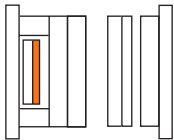
K42 ◇



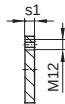
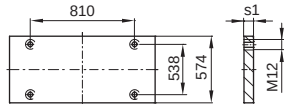
.../746x896 x s1/	1.1730	1.2085	1.2312
86	■ ◆ ◇		
96	■ ◆ ◇	■ ◆	
116	■ ◆ ◇	■ ◆	

.../746x896 x s1/	1.1730	1.2085	1.2312
136	■ ◆ ◇	■ ◆	
156	■ ◆ ◇	■ ◆	
176	■ ◆ ◇		

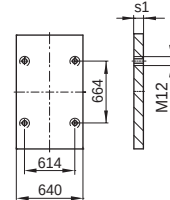
K60
K65
K62



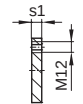
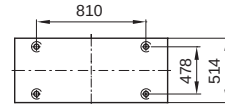
K60 ■



K65 ◆

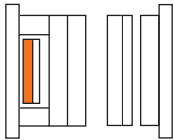


K62 ◇

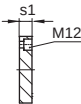
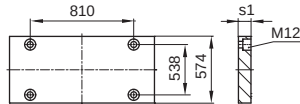


.../746x896 x s1/	1.1730	1.2085	1.2312
27	■ ◆ ◇	■ ◆	

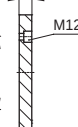
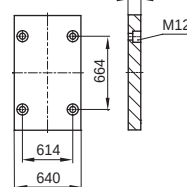
K70
K75
K72



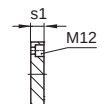
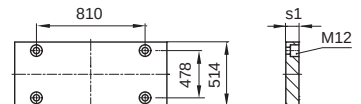
K70 ■



K75 ◆

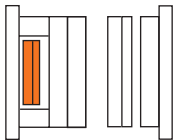


K72 ◇

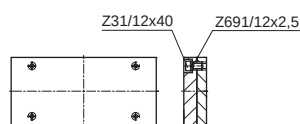


.../746x896 x s1/	1.1730	1.2085	1.2312
36	■ ◆ ◇	■ ◆	■ ◆ ◇

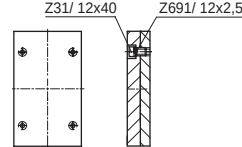
K60-70
K65-75
K62-72



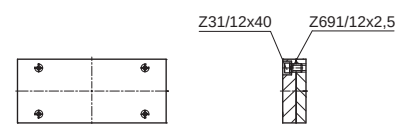
K60-70 ■



K65-75 ◆

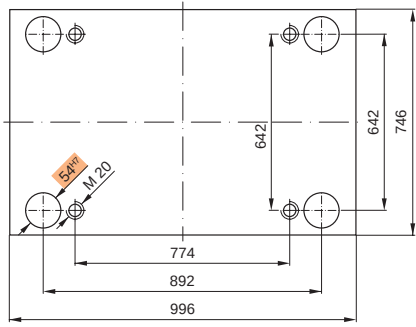


K62-72 ◇



.../746x896 /	1.1730	1.2085	K62-72/746x896/Typ	1.1730	1.2312
	■ ◆	■ ◆	1	K62	K72
			3	K62 K72	

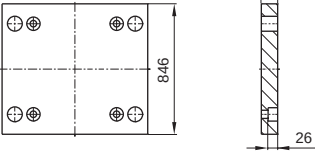
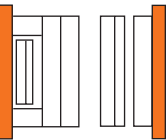
746 x 996



Bestellbeispiel:
Ordering example:
Exemple de commande:

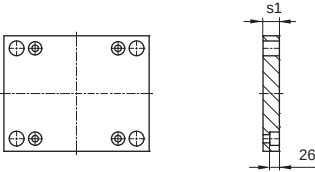
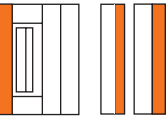
K20 / 746 x 996 x 56 / 1.2085

K11



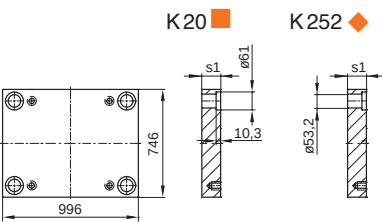
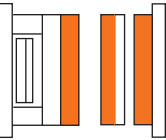
K11/746x996x s1 /	1.1730	1.2162	1.2085	1.2312
76	■		■	■

K16



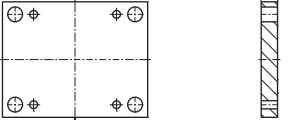
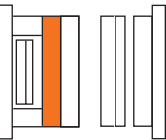
K16/746x996x s1 /	1.1730	1.2162	1.2085	1.2312
56	■		■	■

K20
K252



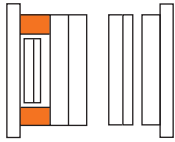
.../746x996 xs1/	1.1730	1.2162	1.2767	1.2083	1.2085	1.2311	1.2312	1.2343	1.2343 ESU/ESR	Toolox33
46	■				■	■	■			■
56	■				■	■	■			■
66	■				■	■	■			■
76	■				■	■	■			■
86	■				■	■	■			■
96	■				■	■	■			■
116	■				■	■	■			■
136	■				■	■	■			
156	■				■	■	■			
176	■				■	■	■			
196	■				■	■	■			

K30

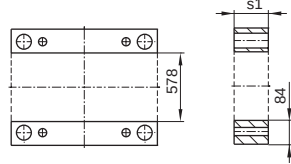


K30/746x996x s1 /	1.1730	1.2162	1.2085	1.2312
46	■			■
56	■		■	■
76	■		■	■
86	■			■
96	■			■

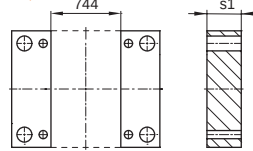
K40
K45
K42



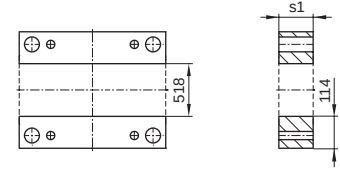
K40 ■



K45 ◆



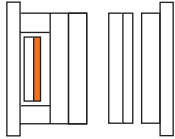
K42 ◇



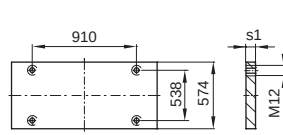
.../746x996 x s1/	1.1730	1.2085	1.2312
86	■ ◆ ◇		
96	■ ◆ ◇	■ ◆	
116	■ ◆ ◇	■ ◆	

.../746x996 x s1/	1.1730	1.2085	1.2312
136	■ ◆ ◇	■ ◆	
156	■ ◆ ◇	■ ◆	
176	■ ◆ ◇		

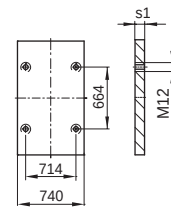
K60
K65
K62



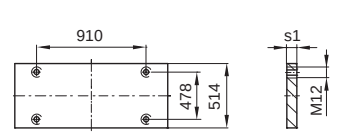
K60 ■



K65 ◆

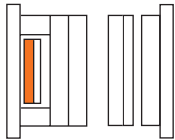


K62 ◇

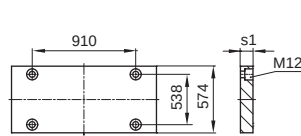


.../746x996 x s1/	1.1730	1.2085	1.2312
27	■ ◆ ◇	■ ◆	

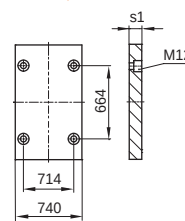
K70
K75
K72



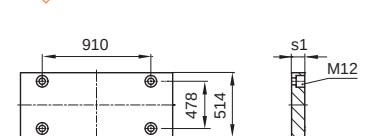
K70 ■



K75 ◆

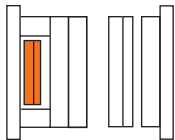


K72 ◇

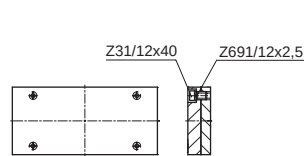


.../746x996 x s1/	1.1730	1.2085	1.2312
36	■ ◆ ◇	■ ◆	■ ◆ ◇

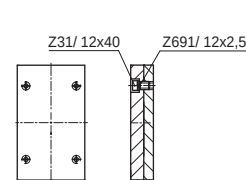
K60-70
K65-75
K62-72



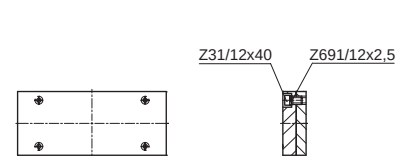
K60-70 ■



K65-75 ◆

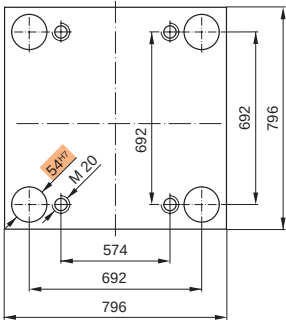


K62-72 ◇



.../746x996 /	1.1730	1.2085	K62-72/746x996/Typ	1.1730	1.2312
	■ ◆	■ ◆	1	K62	K72
			3	K62 K72	

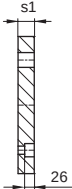
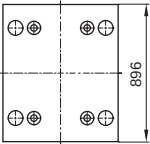
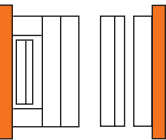
796 x 796



Bestellbeispiel:
Ordering example:
Exemple de commande:

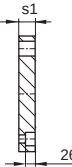
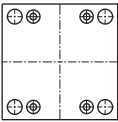
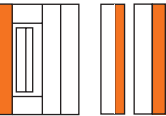
K20 / 796 x 796 x 56 / 1.2085

K11



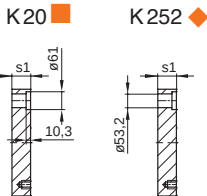
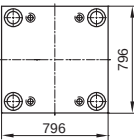
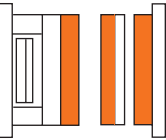
K11/796x796x s1 /	1.1730	1.2162	1.2085	1.2312
76	■		■	■

K16



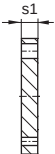
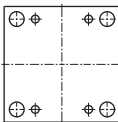
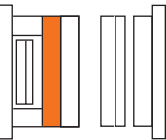
K16/796x796x s1 /	1.1730	1.2162	1.2085	1.2312
56	■		■	■

K20
K252



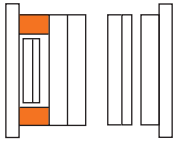
.../796x796 x s1 /	1.1730	1.2162	1.2767	1.2083	1.2085	1.2311	1.2312	1.2343	1.2343 ESU/ESR	Toolox33
36							■			
46	■				■ ◆	■ ◆	■ ◆			■
56	■				■ ◆	■ ◆	■ ◆			■
66	■				■ ◆	■ ◆	■ ◆			■
76	■				■ ◆	■ ◆	■ ◆			■
86	■				■ ◆	■ ◆	■ ◆			■
96	■				■ ◆	■ ◆	■ ◆			■
116	■				■ ◆	■ ◆	■ ◆			■
136	■				■ ◆	■ ◆	■ ◆			
156	■				■ ◆	■ ◆	■ ◆			
176	■				■ ◆	■ ◆	■ ◆			
196	■				■ ◆	■ ◆	■ ◆			

K30

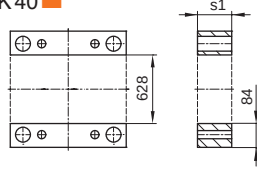


K30/796x796x s1 /	1.1730	1.2162	1.2085	1.2312
46	■			■
56	■		■	■
76	■		■	■
86	■			■
96	■			■

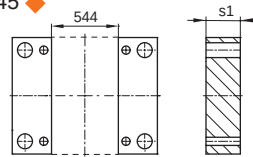
K40
K45
K42



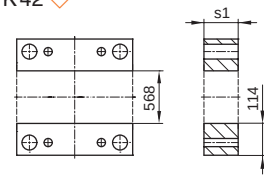
K40 ■



K45 ◆



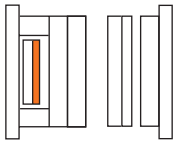
K42 ◇



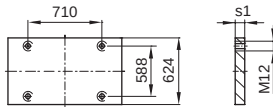
.../796x796 x s1/	1.1730	1.2085	1.2312
86	■ ◆ ◇		
96	■ ◆ ◇	■ ◆	
116	■ ◆ ◇	■ ◆	

.../796x796 x s1/	1.1730	1.2085	1.2312
136	■ ◆ ◇	■ ◆	
156	■ ◆ ◇	■ ◆	
176	■ ◆ ◇		

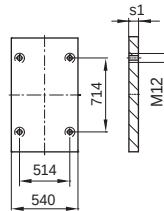
K60
K65
K62



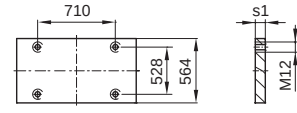
K60 ■



K65 ◆

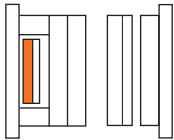


K62 ◇

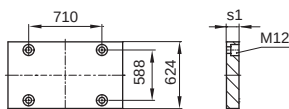


.../796x796 x s1/	1.1730	1.2085	1.2312
27	■ ◆ ◇	■ ◆	

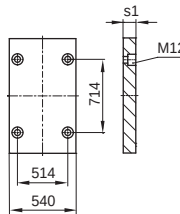
K70
K75
K72



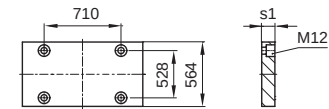
K70 ■



K75 ◆

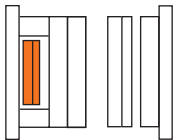


K72 ◇

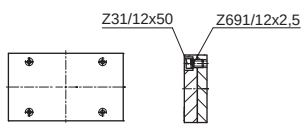


.../796x796 x s1/	1.1730	1.2085	1.2312
46	■ ◆ ◇	■ ◆	■ ◆ ◇

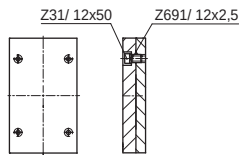
K60-70
K65-75
K62-72



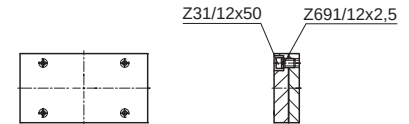
K60-70 ■



K65-75 ◆



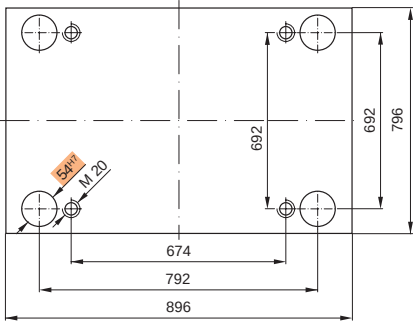
K62-72 ◇



.../796x796 /	1.1730	1.2085
	■ ◆	■ ◆

K62-72/796x796/Typ	1.1730	1.2312
1	K62	K72
3	K62 K72	

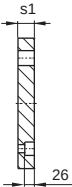
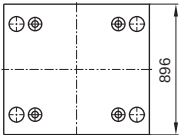
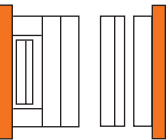
796 x 896



Bestellbeispiel:
Ordering example:
Exemple de commande:

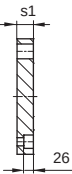
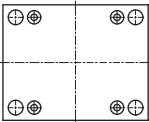
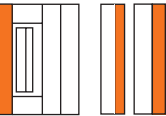
K20 / 796 x 896 x 56 / 1.2085

K11



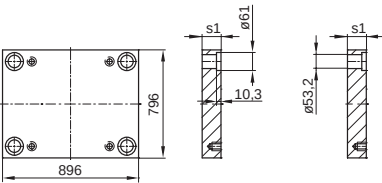
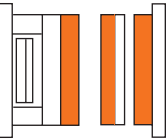
K11/796x896x s1 /	1.1730	1.2162	1.2085	1.2312
76	■		■	■

K16



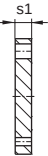
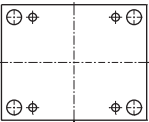
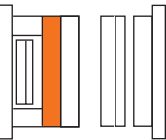
K16/796x896x s1 /	1.1730	1.2162	1.2085	1.2312
56	■		■	■

K20
K252



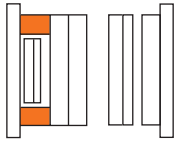
.../796x896 xs1 /	1.1730	1.2162	1.2767	1.2083	1.2085	1.2311	1.2312	1.2343	1.2343 ESU/ESR	Toolox33
46	■				■	■	■			■
56	■				■	■	■			■
66	■				■	■	■			■
76	■				■	■	■			■
86	■				■	■	■			■
96	■				■	■	■			■
116	■				■	■	■			■
136	■				■	■	■			
156	■				■	■	■			
176	■				■	■	■			
196	■				■	■	■			

K30

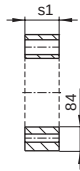
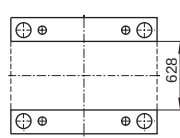


K30/796x896x s1 /	1.1730	1.2162	1.2085	1.2312
46	■			■
56	■		■	■
76	■		■	■
86	■			■
96	■			■

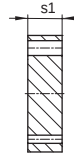
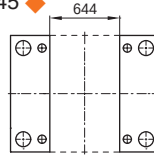
K40
K45
K42



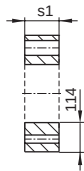
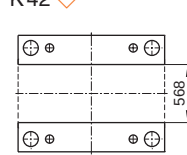
K40 ■



K45 ◆



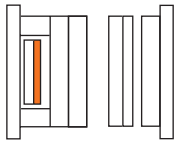
K42 ◇



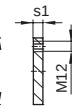
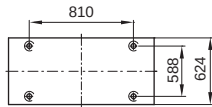
.../796x896 x s1/	1.1730	1.2085	1.2312
86	■ ◆ ◇		
96	■ ◆ ◇	■ ◆	
116	■ ◆ ◇	■ ◆	

.../796x896 x s1/	1.1730	1.2085	1.2312
136	■ ◆ ◇	■ ◆	
156	■ ◆ ◇	■ ◆	
176	■ ◆ ◇		

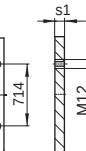
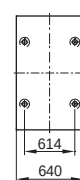
K60
K65
K62



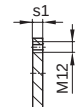
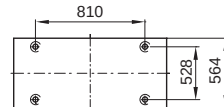
K60 ■



K65 ◆

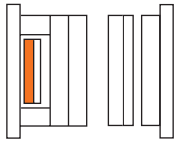


K62 ◇

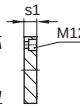
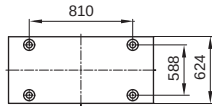


.../796x896 x s1/	1.1730	1.2085	1.2312
27	■ ◆ ◇	■ ◆	

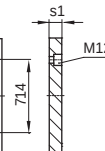
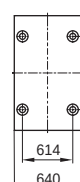
K70
K75
K72



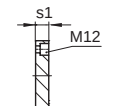
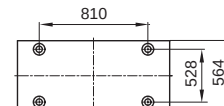
K70 ■



K75 ◆

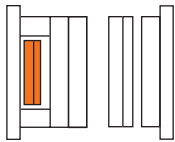


K72 ◇

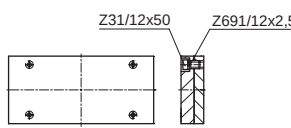


.../796x896 x s1/	1.1730	1.2085	1.2312
46	■ ◆ ◇	■ ◆	■ ◆ ◇

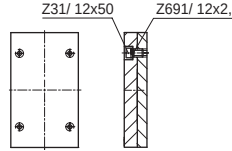
K60-70
K65-75
K62-72



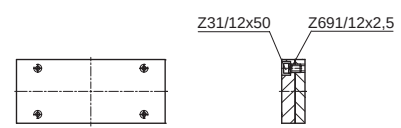
K60-70 ●



K65-75 ◆



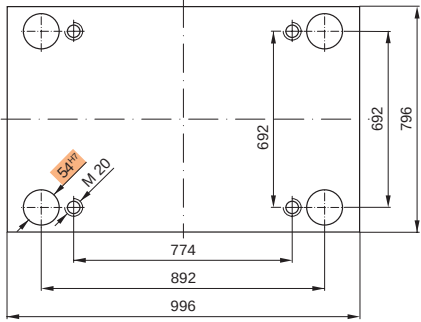
K62-72



.../796x896 /	1.1730	1.2085
	■ ◆	■ ◆

K62-72/796x896/Typ	1.1730	1.2312
1	K62	K72
3	K62 K72	

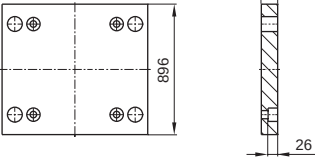
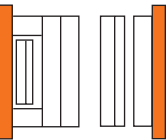
796 x 996



Bestellbeispiel:
Ordering example:
Exemple de commande:

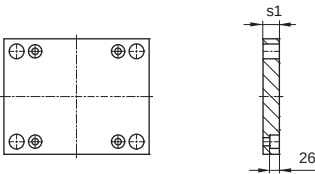
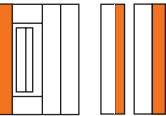
K20 / 796 x 996 x 56 / 1.2085

K11



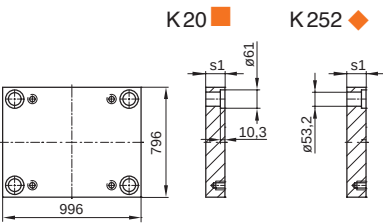
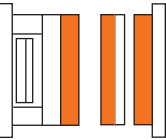
K11/796x996x s1 /	1.1730	1.2162	1.2085	1.2312
76	■		■	■

K16



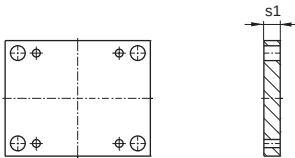
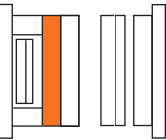
K16/796x996x s1 /	1.1730	1.2162	1.2085	1.2312
56	■		■	■

K20
K252



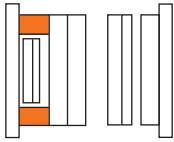
.../796x996 xs1 /	1.1730	1.2162	1.2767	1.2083	1.2085	1.2311	1.2312	1.2343	1.2343 ESU/ESR	Toolox33
46	■				■ ◆	■ ◆	■ ◆			■
56	■				■ ◆	■ ◆	■ ◆			■
66	■				■ ◆	■ ◆	■ ◆			■
76	■				■ ◆	■ ◆	■ ◆			■
86	■				■ ◆	■ ◆	■ ◆			■
96	■				■ ◆	■ ◆	■ ◆			■
116	■				■ ◆	■ ◆	■ ◆			■
136	■				■ ◆	■ ◆	■ ◆			
156	■				■ ◆	■ ◆	■ ◆			
176	■				■ ◆	■ ◆	■ ◆			
196	■				■ ◆	■ ◆	■ ◆			

K30

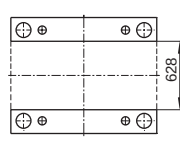


K30/796x996x s1 /	1.1730	1.2162	1.2085	1.2312
46	■			■
56	■		■	■
76	■		■	■
86	■			■
96	■			■

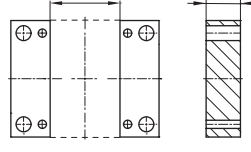
K40
K45
K42



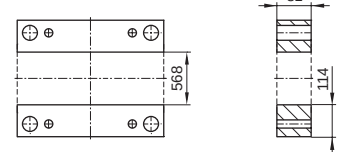
K40 ■



K45 ◆



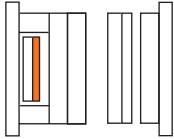
K42 ◇



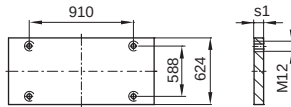
.../796x996 x s1/	1.1730	1.2085	1.2312
86	■ ◆ ◇		
96	■ ◆ ◇	■ ◆	
116	■ ◆ ◇	■ ◆	

.../796x996 x s1/	1.1730	1.2085	1.2312
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176	■ ◆ ◇		

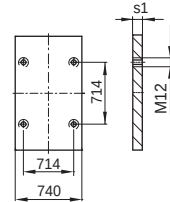
K60
K65
K62



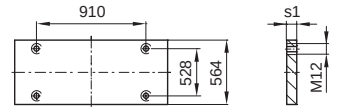
K60 ■



K65 ◆

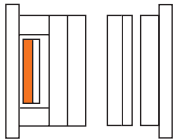


K62 ◇

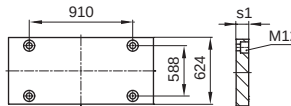


.../796x996 x s1/	1.1730	1.2085	1.2312
27	■ ◆ ◇	■ ◆	

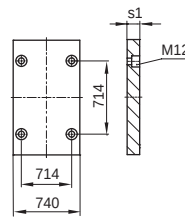
K70
K75
K72



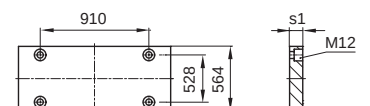
K70 ■



K75 ◆

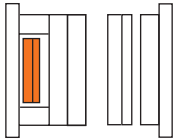


K72 ◇

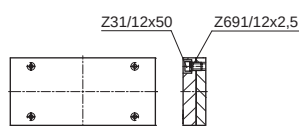


.../796x996 x s1/	1.1730	1.2085	1.2312
46	■ ◆ ◇	■ ◆	■ ◆ ◇

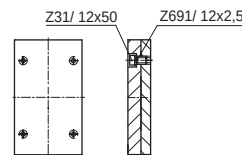
K60-70
K65-75
K62-72



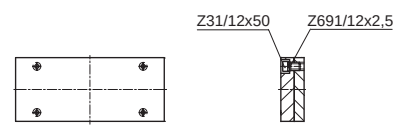
K60-70 ■



K65-75 ◆



K62-72 ◇



.../796x996 /	1.1730	1.2085
	■ ◆	■ ◆

K62-72/796x996/Typ	1.1730	1.2312
1	K62	K72
3	K62 K72	



*Ermöglicherin für Verlässlichkeit
Enabler for reliability*



***Ich
produziere
Präzision.***

- Umfassende Fertigungskapazitäten in Europa
- High-End Zerspanung
- Modernste Maschinentechnik
- Garantierte Präzision
- Normalien- und Sonderfertigung

***I produce
precision.***

- Extensive production facilities across Europe
- High-end machining
- State of the art machine technology
- Guaranteed precision
- Standard and customised part production

K2500/... K2501/...

Backenwerkzeuge
Split Mould Kits
Moule à tiroirs

Auswerfer- und Abstreiferversion –
kompatibel zum K-Programm

Ejector type and Stripper type –
compatible with the K programme

Version à éjecteur et version à démouleur –
compatible avec la gamme K



K2500/...

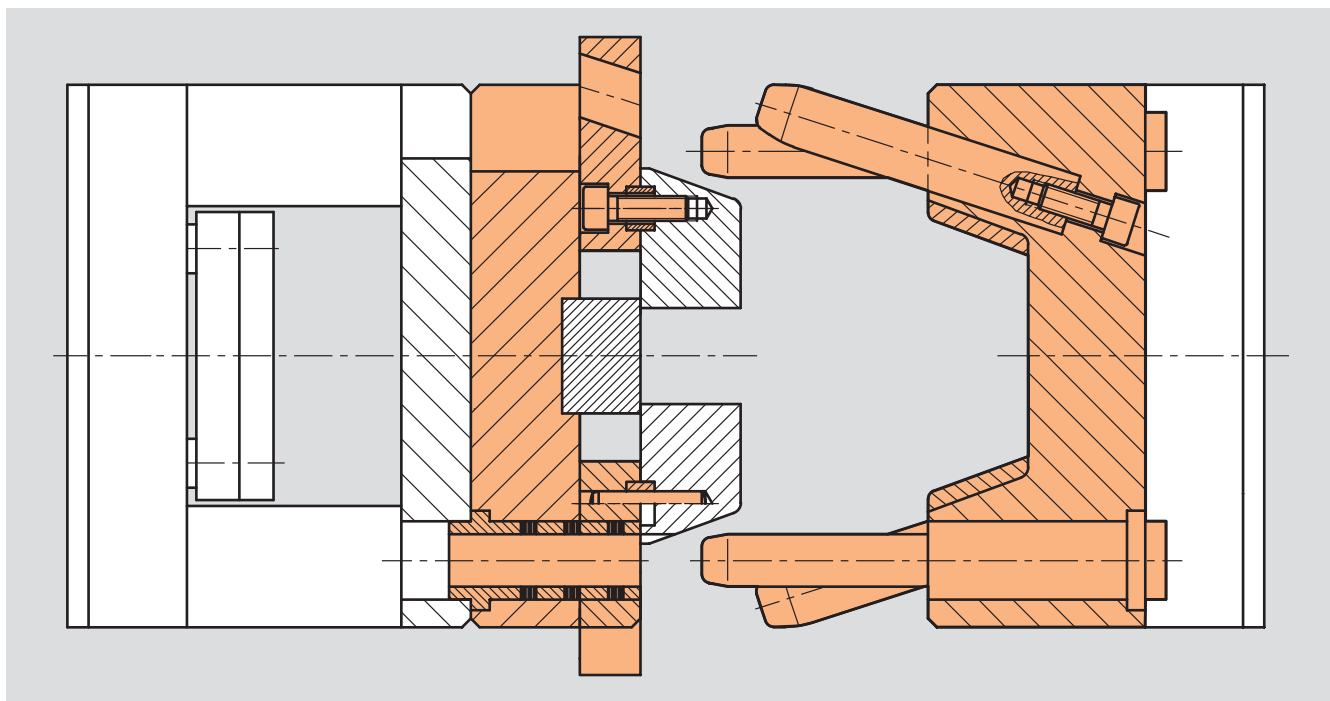
Backenwerkzeug
(Auswerferversion)

K2500/...

Split mould kit
(Ejector type)

K2500/...

Moule à tiroirs
(version à éjecteur)



*Die Abmessungen von K 2500 /...
sind kompatibel zum HASCO
K-Programm.*

*The dimensions of K 2500 /... are
compatible with the HASCO
K programme.*

*Les cotes du modèles K 2500 /...
sont compatibles avec la gamme K
de HASCO.*

Besondere Merkmale

- Abhängig von der Spritzteil-geometrie kann zwischen der Auswerferversion K 2500/... und der Abstreiferversion K 2501/... gewählt werden.
- K 2500/... und K 2501/... sind jeweils in 8 Größen mit je 5 Backenhöhen verfügbar.
- Backen (K 2528/...) und Kernhalte-einsatz (K 2531/...) gehören nicht zum Lieferumfang.
- Bauteile und Backenbetätigung liegen innerhalb der Werkzeug-abmessungen.
- Nachschleifbare Backenführung.
- Austauschbare Druckplatten.
- Backen (K 2528/...) voll nutzbar für Kontur und Kühlung.
- Backenlänge entspricht Werkzeug-breite.
- Passfeder-Nut in K 2528/... (Mat. 1.2767/1.2343 ESU) mit Aufmaß zum Nachschleifen nach dem Härten.
- Härteverzug der Backen ohne Einfluss auf die Führung.
- Länge des Kernhalteeinsatzes (K 2531/...) entspricht Werkzeug-breite.
- Schwalbenschwanz-Führung leicht nachstellbar.
- Kein Verkanten der Führung durch günstiges Längen-/Breitenverhältnis.
- Sicherung der Backen durch inte-grierte Kugelrasten.
- Freier Fall der Spritzteile.
- Selbstschmierende Backen-führungsleisten und Führungsbuchsen.

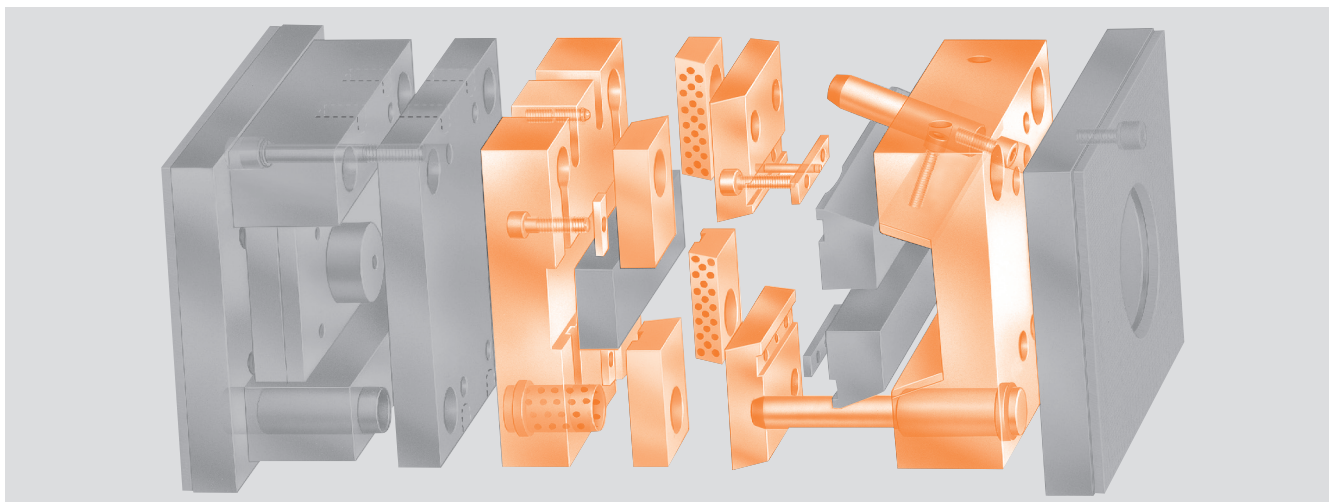
Features

- To suit moulding geometry, the designer has the choice between Ejector type K 2500/... and the Stripper type K 2201/...
- K 2500/... as well as K 2501/... are available in 8 sizes with 5 split heights each.
- Splits (K 2528/...) and core retainer insert (K 2531/...) are not supplied.
- Construction elements and angle pins actuation are positioned within the mould.
- Regrindable split guides.
- Interchangeable wear plates.
- Splits (K 2528/...) can be fully utilized for cavity contour and cooling.
- Split length is equal to mould width.
- Parallel slot in K 2528/... (Mat. 1.2767/1.2343 ESU) with dimensions re-ground according to hardness.
- Distortion on hardening of splits does not affect the guiding system.
- Length of core retainer insert (K 2531/...) is equal to mould width.
- Easy readjustment of dovetailed guide strips.
- No tilting of split guide due to favourable length/width ratio.
- Splits are secured by integrated spring plungers.
- Undisturbed drop of mouldings.
- Guide strips and guide bushings are offered in selflubricating design.

Caractéristiques techniques

- Il est possible de choisir, en fonction de la géométrie des pièces à injecter, entre la version à éjecteur K 2500/... et la version à démouleur K 2501/...
- K 2500/... et K 2501/... sont disponibles chacun en 8 tailles disposant de 5 hauteurs différentes de tiroirs.
- Les plaques (K 2528/...) et le support de noyau (K 2531/...) ne sont pas compris dans la livraison.
- Les éléments de construction et d'actionnement des tiroirs sont positionnés à l'intérieur des cotes du moule.
- Le guidage de plaques peut être à nouveau poli.
- Les plaques de pression sont interchangeables.
- Tiroirs (K 2528/...) entièrement utilisables pour l'empreinte et le refroidissement.
- La longueur de tiroirs correspond à la largeur du moule.
- Gorge pour ressort d'ajustage dans K 2528/... (Mat. 1.2767/1.2343 ESU) avec surcote pour ponçage ultérieur d'ajustage après le trempage.
- Les éventuelles déformations des tiroirs (trempe), n'influent pas le système de guidage.
- La longueur du support de noyau (K 2531/...) correspond à la largeur du moule.
- Guidage en queue d'aronde facile-ment ajustable.
- Blocage impossible du guidage en raison d'un rapport longueur/largeur étudié.
- Blocage des tiroirs assuré par vis à billes intégrées.
- Dégagement libre des pièces injectées.
- Barres conductrices des tiroirs et bagues de guidage exemptes d'entretien.





Bestellbeispiel :

Backenwerkzeug, Größe 100 x 130
(Auswerferversion)

Ordering example :

Split mould kit, size 100 x 130
(Ejector type)

Exemple de commande :

Moule à tiroirs version 100 x 130
(version à éjecteur)

	K 2500 / 100 x 130 x 40
1 _____	
2 _____	
3 _____	

- 1 Produkt Nr. für Backenwerkzeug
- 2 Abmessung : Länge x Breite
- 3 Backenhöhe

- 1 Produkt No. of split mould kit
- 2 Mould size : Length x Width
- 3 Split height

- 1 N° de produit pour moule à tiroir
- 2 Dimensions : longueur x largeur
- 3 Hauteur des tiroirs

⚠ Beachten:

Die Backen K 2528/... und der Kernhalteinsatz K 2531/... gehören nicht zum Lieferumfang!

⚠ Caution:

Splits K 2528/... and core retainer insert K 2531/... are not supplied!

⚠ Remarque:

Les plaques K 2528/... et le support de noyau K 2531/... ne sont pas compris dans la livraison!

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156 x 196	156 x 196	156 x 196		236
190 x 246	190 x 246	190 x 246		238
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246 x 296	246 x 296	246 x 296		244
296 x 296	296 x 296	296 x 296		246
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Wichtige Werkzeugmaße
für K 2500/... und K 2501/...

- Backenlänge
- Backenhöhe
- Backenöffnungsweg
- Max. Arbeitsflächen

Important mould dimensions
for K 2500/... and K 2501/...

- Split length
- Split height
- Opening stroke of splits
- Max. working area

Importantes cotes d'outils
pour K 2500/... et K 2501/...

- Longueur de tiroir
- Hauteur de tiroir
- Course d'ouverture des tiroirs
- Surfaces max. de travail

Größe Size Taille	Backen-Öffnungsweg Opening stroke of splits Course d'ouverture des tiroirs	Backenhöhe Split height Hauteur des tiroirs									Backenlänge Split length Longueur des tiroirs
		16	20	25	32	40	50	63	80	100	
100 x 130	16										100
156 x 156	28										156
156 x 196	45										156
190 x 246	56										190
196 x 196	40										196
246 x 246	53										246
246 x 296	68										246
296 x 296	68										296

Beachten :

Die Backenhöhen und -längen für eine quadratische und die dazugehörige rechteckige Größe (z. B. 156 x 156 und 156 x 196) sind gleich. Bei den rechteckigen Größen sind die Backen entsprechend breiter, dadurch optimale Ausnutzung der Formkontur.

Caution:

For each square and following rectangular mould size (e. g. 156 x 156 and 156 x 196) all split heights and -lengths are of the same. On rectangular mould sizes the splits are correspondingly wider to provide for optimal utilisation of cavity contour.

Remarque :

La hauteur et la longueur des tiroirs sont identique pour des tailles carrées et rectangulaires (Ex : 156 x 156 et 156 x 196). Dans le cas de moules rectangulaires, les tiroirs sont plus larges, pour permettre une meilleure utilisation.

Toleranzen :

siehe K-Katalog, Vorschaltseite

Tolerances :

Ref. K catalogue, opening page

Tolérances :

Cf. catalogue des standards K, page des éléments de commutation

Überstand des Schrägbolzens

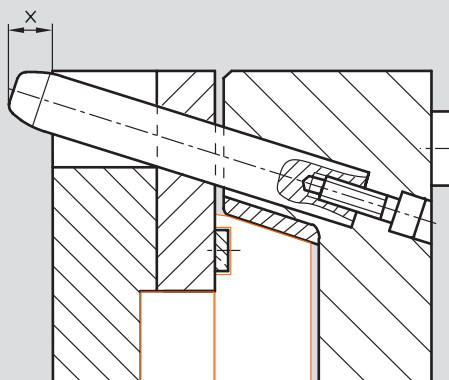
Beachten :

Projection of angle pin

Caution:

Dépassement du doigt incliné

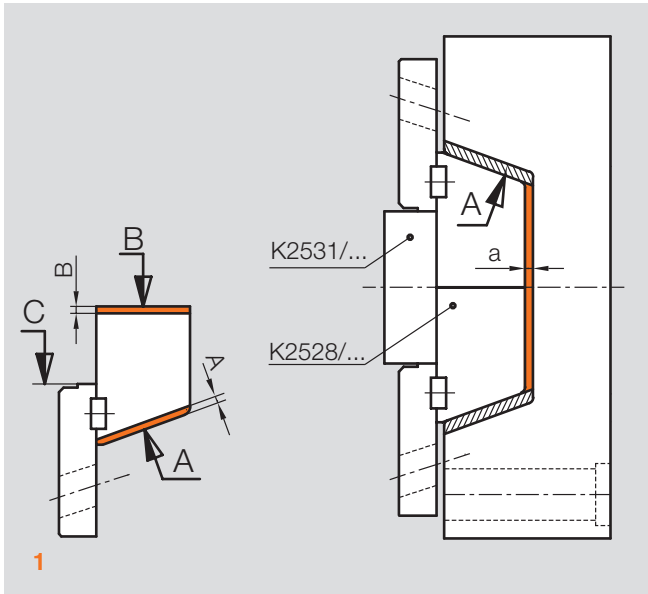
Remarque :



Dieser Überstand (x) kann je nach Werkzeuggröße bis zu 40 mm betragen.

The projection (x) can measure 40 mm according to tool size.

Ce dépassement (x) peut atteindre jusqu'à 40 mm, selon les tailles d'outils.



a	$A = \sin 20^\circ \cdot a$	$B = \tan 20^\circ \cdot a$
0,05	0,017	0,018
0,10	0,034	0,036
0,20	0,068	0,073
0,50	0,171	0,182
1,00	0,342	0,364

1

2

 $A = \sin 20^\circ \cdot a$

A: Abzuschleifendes Maß von der Schrägfläche

a: zu verringerndes Spiel

z. B.: a = 0,65

$A = 0,342 \cdot 0,65 = 0,222 \text{ mm}$

 $B = \tan 20^\circ \cdot a$

B: Abzuschleifendes Maß von der Gravurfläche

a: zu verringerndes Spiel

z. B.: a = 0,65

$B = 0,3641 \cdot 0,65 = 0,237 \text{ mm}$

 $A = \sin 20^\circ \cdot a$

A: Amount to be ground off from the sloped surface

a: Clearance to be reduced

e.g.: a = 0,65

$A = 0,342 \cdot 0,65 = 0,222 \text{ mm}$

 $B = \tan 20^\circ \cdot a$

B: Amount to be ground off from the parting surface

a: Clearance to be reduced

e.g.: a = 0,65

$B = 0,3641 \cdot 0,65 = 0,237 \text{ mm}$

 $A = \sin 20^\circ \cdot a$

A: Surface inclinée à rectifier

a: Jeu à réduire

par ex: a = 0,65

$A = 0,342 \cdot 0,65 = 0,222 \text{ mm}$

 $B = \tan 20^\circ \cdot a$

B: Surface plan de joint à rectifier

a: Jeu à réduire

par ex: a = 0,65

$B = 0,3641 \cdot 0,65 = 0,237 \text{ mm}$

Einpassen der Formbacken**Bild 2**

Zum Einpassen der Backen K2910/... in die düsenseitige Backenschließplatte ist das Spiel „a“ vorgesehen.

Bild 1

Dieses wird durch Überschleifen der Backen in Pfeilrichtung „A“ und/oder „B“ beseitigt, wahlweise durch Überschleifen der gehärteten Druckplatten.

Zur Mittenfixierung stützen sich die Backenführungen am Kernhalteinsatz K2531/... ab. Beim Fertigschleifen wird ein Spiel zwischen der Stirnseite der Backenführung und dem Kernhalteinsatz von 0,05 mm empfohlen.

Beim Überschleifen der Backenstirnflächen „B“ muss auch die Backenführung im Bereich „C“ nachgesetzt werden.

Fitting of splits**Fig. 2**

The clearance „a“ is provided for fitting the splits into the chase bolster.

Fig. 1

By regrinding splits surface „A“ and/or „B“, if required also hardened wear plate, this clearance can be eliminated.

For centre aligning the split guides rest against the core retainer insert K2531/... When finish grinding a clearance of 0,05 mm between the front face of split guides and core retainer insert is recommended.

When regrinding parting surface of splits „B“, same amount must be ground off from the front face of split guides „C“.

Ajustage des tiroirs**Fig. 2**

Le jeu «a» est prévu pour l'ajustage des tiroirs K2910/... dans la plaque de fermeture côté buse.

Fig. 1

Le jeu est éliminé par rectification des tiroirs dans le sens de la flèche «A» et/ou «B» et en travaillant également les plaques de pression.

Pour l'alignement au centre, les guidages des tiroirs prennent appui sur le support de noyau K2531/... Lors de l'ajustage final, un jeu de 0,05 mm entre la face du guidage des tiroirs et le support de noyau est recommandé.

Lors de la rectification des surfaces frontales des tiroirs «B», le guidage doit également être réajusté.

Positionierung der Formbacken

Bild 3

Um ein Vertauschen der Backen zu verhindern, ist ein Passstift außermittig angeordnet, der auch gleichzeitig die Backen in Längsrichtung präzise positioniert.

Die Passfeder zwischen Backe und Backenführung garantiert eine exakte Positionierung in Laufrichtung.

Positioning of mould splits

Fig. 3

To prevent mix-up of splits a dowel pin is located off-centre, it also serves the purpose of precisely fixing the splits in longitudinal direction.

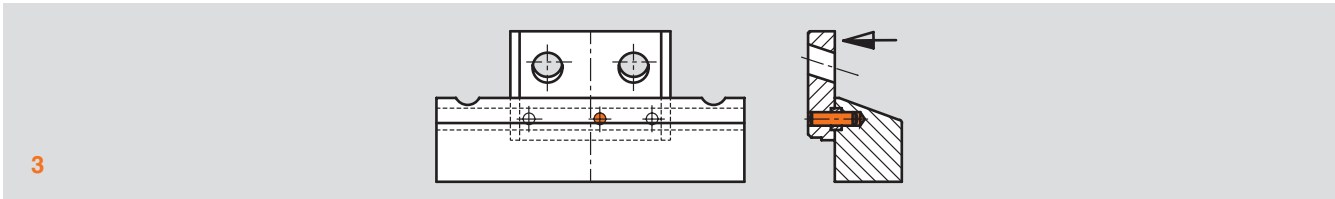
The parallel key between split and split guide ensures an exact alignment in traveling direction.

Positionnement des tiroirs

Fig. 3

Afin d'éviter une inversion des tiroirs, des goupilles d'assemblage excentrées, positionnent en même temps les tiroirs dans le sens longitudinal.

La vis à bille ressort entre le tiroir et le guidage garantit un positionnement exact.

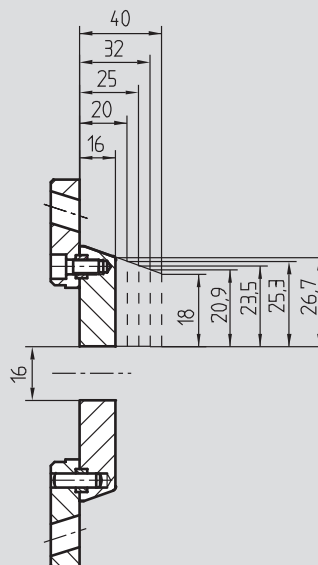
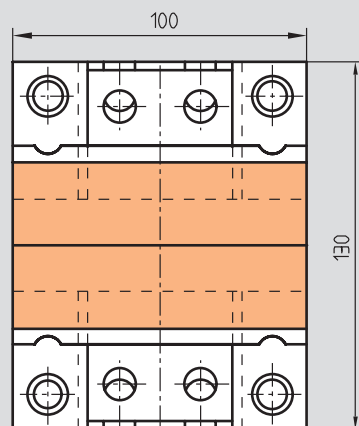


Eine problemlose Nachstellung ist durch Überschleifen der Backenführung in Pfeilrichtung sichergestellt.

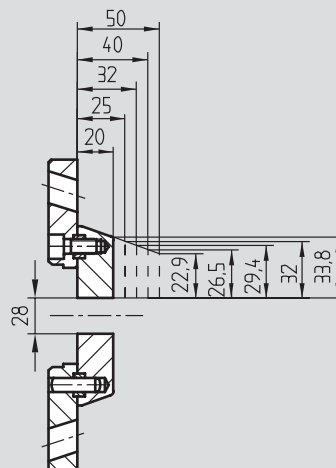
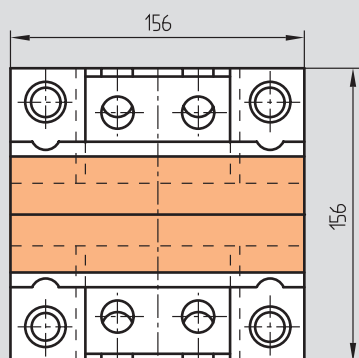
For easy readjusting of guiding system only the split guide has to be reground on surface pointed to by arrow.

Pour un réajustage facile du système de guidage, seuls les guides des tiroirs seront rectifiés en surface (dans le sens de la flèche).

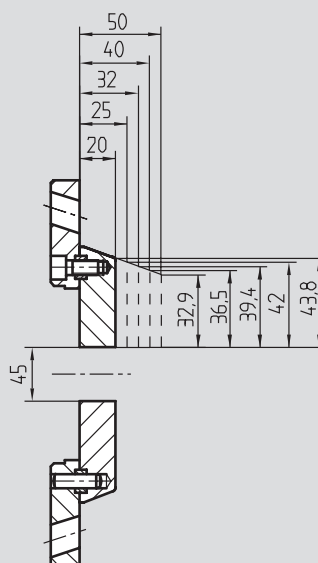
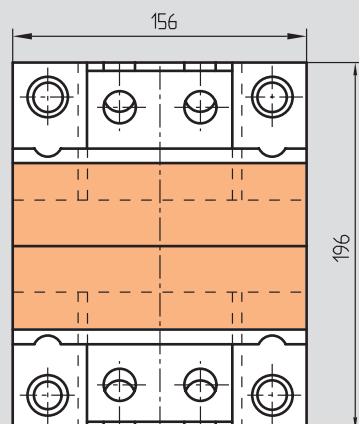
100 x 130



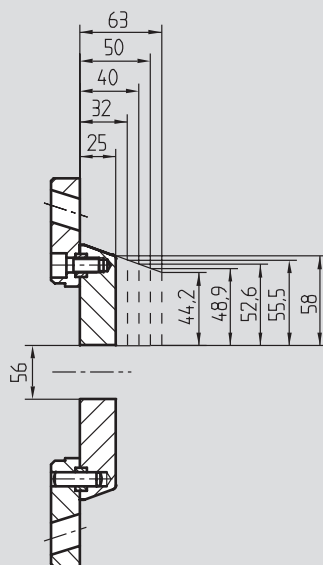
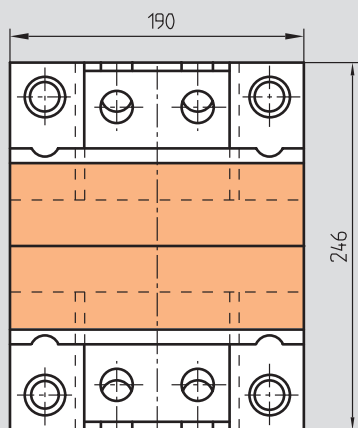
156 x 156



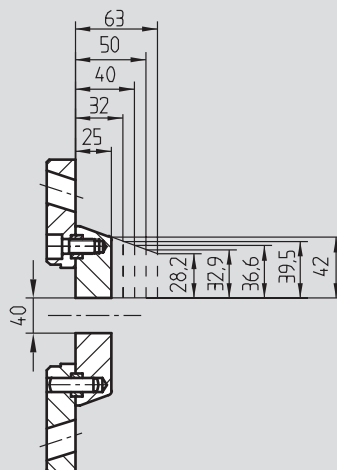
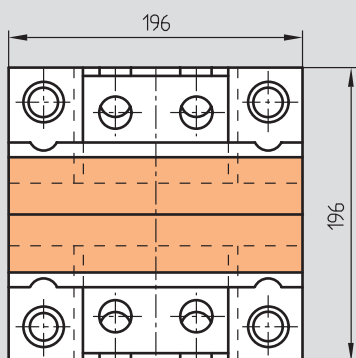
156 x 196



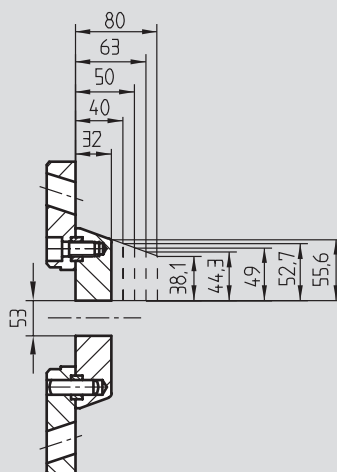
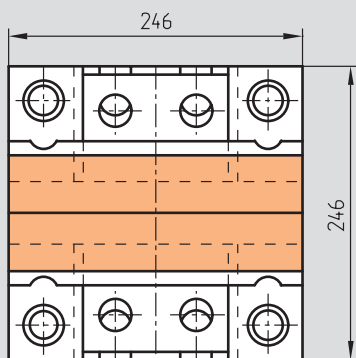
190 x 246



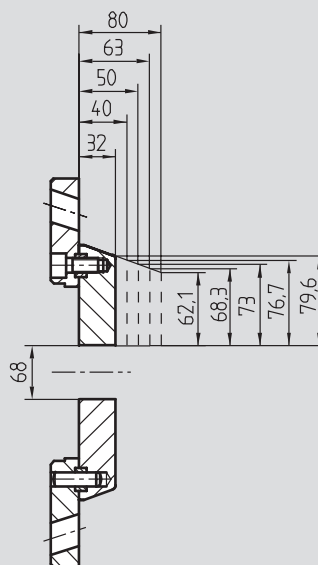
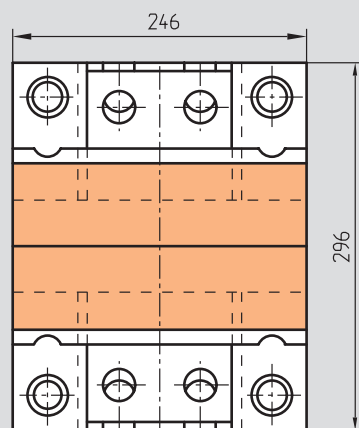
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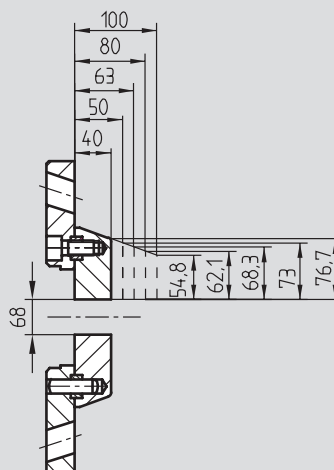
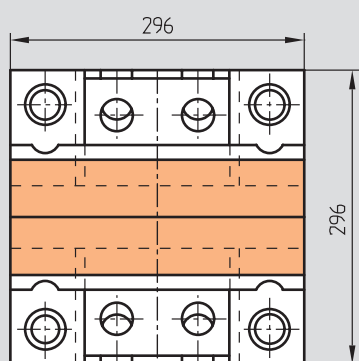
246 x 246

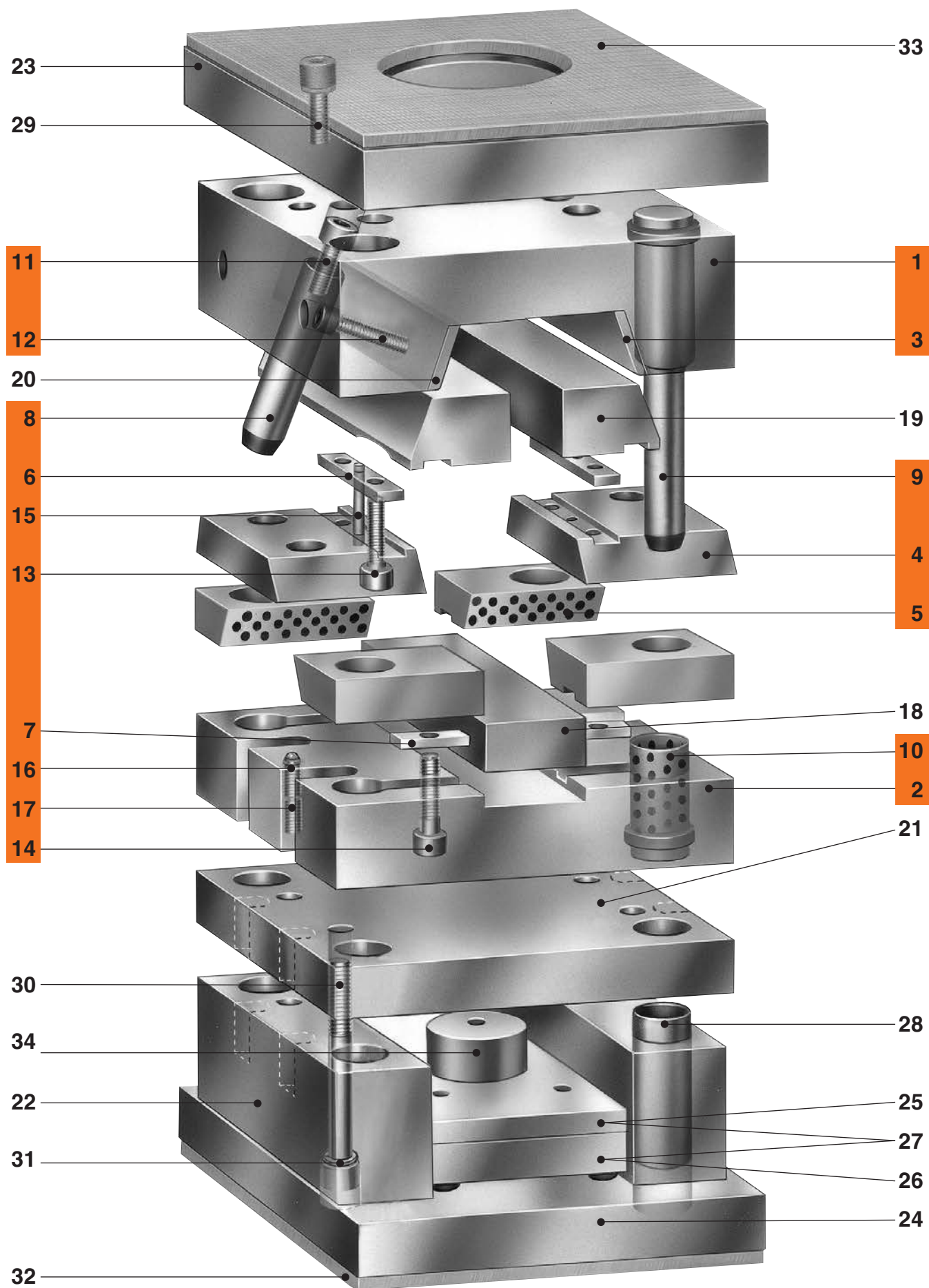


246 x 296



296 x 296





K2500/... Auswerferversion
K2500/... Ejector type
K2500/... Version à éjecteur

Pos.	Benennung	Designation	Désignation	Stück Quant. Pièce	Nr./Norm No./Standard N°/Norme	Material / Härte Material / Hardness Matériau / Dureté
1	Backenschließplatte	Chase bolster	Plaque de fermeture des tiroirs	1		1.2312
2	Backengrundplatte	Splits retainer plate	Plaque de base des tiroirs	1		1.2312
3	Druckplatte	Wear plate	Plaque de pression	2		1.2842/53+2HRC
4	Backenführung	Split guide	Guide des tiroirs	2		1.2767/52±2HRC
5	Backenführungsleiste	Guide strip	Barre conductrice des tiroirs	4		2.0492
6	Passfeder, lang	Parallel key, long	Ressort d'ajustage, long	2		1.2312
7	Passfeder, kurz	Parallel key, short	Ressort d'ajustage, court	4		1.2312
8	Schrägsäule	Angle pin	Doigt incliné	4	Z 010/...	1.0401
9	Führungssäule	Guide pillar	Colonne de guidage	3 + 1	Z 04/...	DIN 16761-A
10	Führungsbuchse	Guide bushing	Bague de guidage	3 + 1	Z 1000W/...	DIN 16716-C
11	Zylinderschraube	SHC-screw	Vis à tête cylindrique	4	Z 31/... DIN EN ISO 4762	
12	Zylinderschraube	SHC-screw	Vis à tête cylindrique	4	Z 31/... DIN EN ISO 4762	
13	Zylinderschraube	SHC-screw	Vis à tête cylindrique	4	Z 31/... DIN EN ISO 4762	
14	Zylinderschraube	SHC-screw	Vis à tête cylindrique	8	Z 31/... DIN EN ISO 4762	
15	Zylinderstift	Dowel pin	Goupille cylindrique	2	Z 26/.../DIN EN 28735	
16	Federndes Druckstück	Ball catch	Vis à bille sans tête	2	Z 371/...	1.4305
17	Gewindestift	Set screw	Tige sans tête	2	Z 35/.../DIN 913	

Sonstige Bauteile

Extra Bestellung erforderlich

Other components

Extra order required

Autres éléments

Commande spéciale nécessaire



Pos.	Benennung	Designation	Désignation	Stück Quant. Pièce	Nr./Norm No./Standard N°/Norme	Material / Härte Material / Hardness Matériau / Dureté
18	Kernhalteinsatz	Core retainer insert	Support de noyau	1	K 2531/...	1.2767
19	Backe	Split	Tiroir	2	K 2528/...	1.2767/ 1.2343 ESU
20	Druckplatte (Ersatzteil)	Wear plate (spare part)	Pl. de pression (pièce de rech.)		K 2526/...	1.2842/53+2HRC
21	Zwischenplatte	Backing plate	Plaque intermédiaire	1	K 30/...	1.1730, 1.2312
22	Leiste	Riser	Tasseau	2	K 40/... ²⁾ ; K 45/... ³⁾	1.1730
23	Aufspannplatte	Clamping plate	Plaque de fixation	¹⁾	K 10/...; K 12/...	1.1730
24	Aufspannplatte	Clamping plate	Plaque de fixation	¹⁾	K 11/...; K 13/...	1.1730
25	Auswerferhalteplatte	Ejector retainer plate	Plaque d'éjecteur	¹⁾	K 60/... ²⁾ ; K 65/... ³⁾	1.1730
26	Auswerfergrundplatte	Ejector base plate	Contre plaque d'ejection	¹⁾	K 70/... ²⁾ ; K 75/... ³⁾	1.2312
27	Auswerferpaket	Ejector assembly	Batterie d'ejection	1	K 60-70/... ²⁾ ; K 65-75/... ³⁾	1.1730
28	Zentrierhülse	Centering sleeve	Douille de centrage	4	Z 20/...	DIN 16759
29	Zylinderschraube	SHC-screw	Vis à tête cylindrique	4	Z 31/... DIN EN ISO 4762	10.9
30	Zylinderschraube	SHC-screw	Vis à tête cylindrique	4	Z 31/... DIN EN ISO 4762	10.9
31	Sperrkantring	Locking edge washer	Rondelle à bords d'arrêt	8	Z 691/...	DIN 17221
32	Wärmeisolerplatte	Thermal insulating sheet	Plaque isolante	¹⁾	Z 121/...; Z 1211/...; Z 1212/...	
33	Wärmeisolerplatte	Thermal insulating sheet	Plaque isolante	¹⁾	Z 121/...; Z 1211/...; Z 1212/...	
34	Stützsäule	Support pillar	Plot de soutien	¹⁾	Z 57/...; Z 571/... DIN ISO 10073-B	

1) Typ und Abmessung ist vom Konstrukteur festzulegen

2) Für quadratische Größen = K 40/...; K 60/...; K 70/...; K 60/70/...

3) Für rechteckige Größen = K 45/...; K 65/...; K 75/...; K 65/75/...

1) Type and dimension is to be fixed by the designer

2) For square sizes = K 40/...; K 60/...; K 70/...; K 60/70/...

3) For rectangular sizes = K 45/...; K 65/...; K 75/...; K 65/75/...

1) Le type et les cotes doivent être définis par le constructeur.

2) Pour moules carrés = K 40/...; K 60/...; K 70/...; K 60/70/...

3) Pour moules rectangulaires = K 45/...; K 65/...; K 75/...; K 65/75/...



= Verpackungseinheit / Packing unit / Unité d'emballage

Beachten :

Die Zwischenplatte, Pos. 21 oder Leiste Pos. 22 muss je nach konstruktiver Ausführung mit Freisparungen für die Schrägsäulen Pos. 8 versehen werden.

Caution:

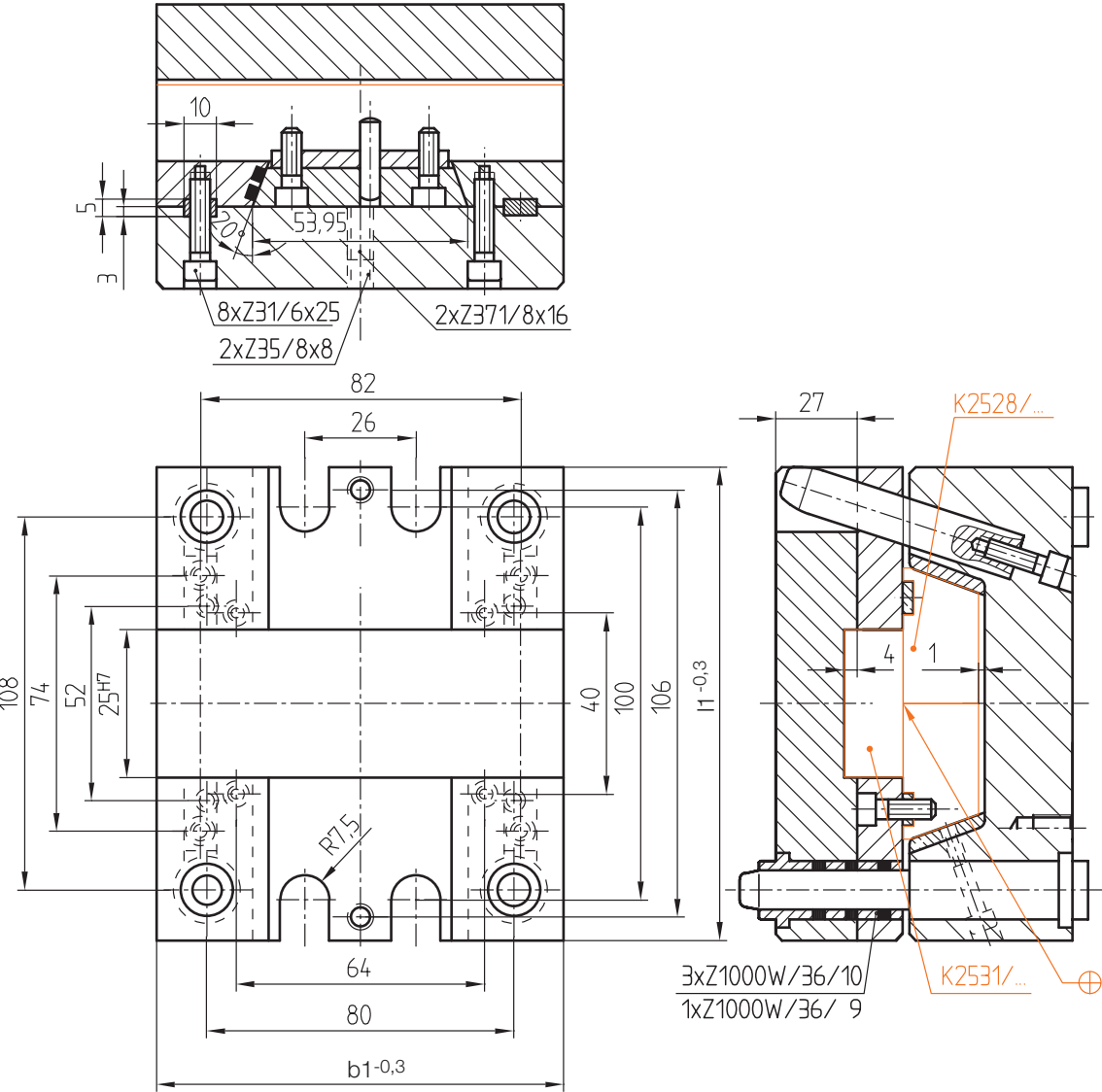
According to the design the backing plate, item 21, or riser, item 22, must be provided with clearance recesses for angle pins, item 8.

Remarque:

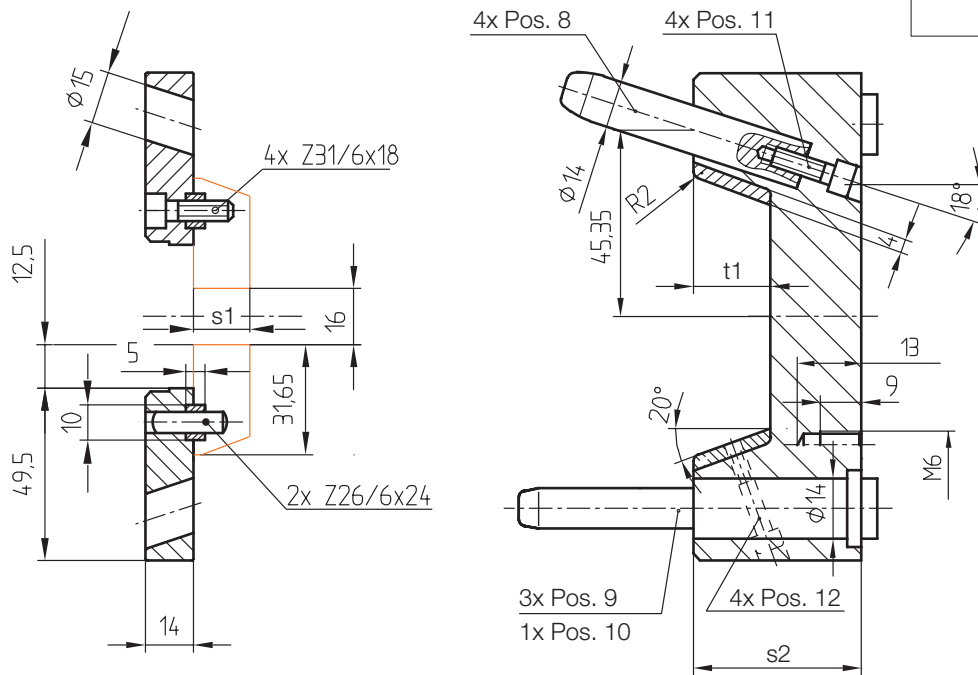
La plaque intermédiaire, pos. 21, ou le tasseau, pos. 22, doivent présenter, selon le modèle construit, des orifices libres pour le doigt incliné, pos. 8.

K2500/100x130

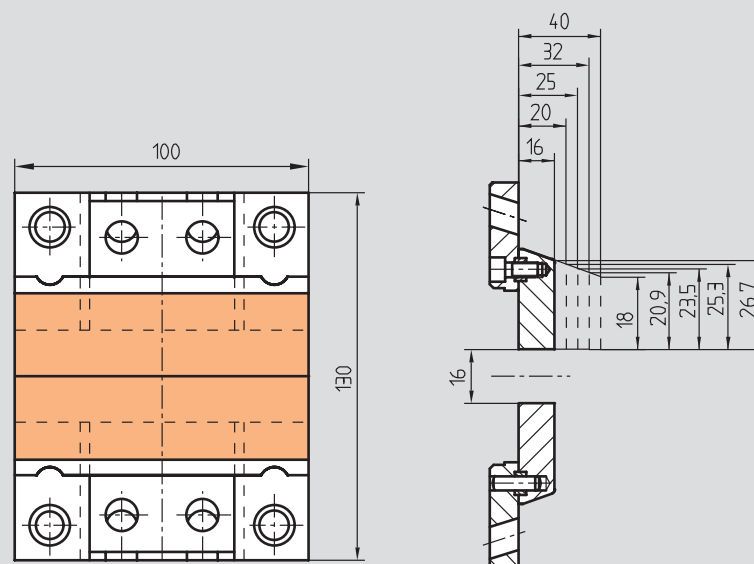
Backenwerkzeug
Split mould kit
Moule à tiroir



Pos. 12 Z31/...	Pos. 11 Z31/...	Pos. 10 Z04/...	Pos. 9 Z04/...	Pos. 8 Z010/...	t1	s2	b1	l1	s1	Nr. / No.
5x30	6x20	46x9x45	46x10x45	14x67	14	46	100	130	16	K 2500/100x130x16
5x25					18				20	20
	6x25	56x9x60	56x10x60	14x75	23	56			25	25
5x30					30				32	32
	6x35	66x9x45	66x10x45	14x75	38	66			40	40

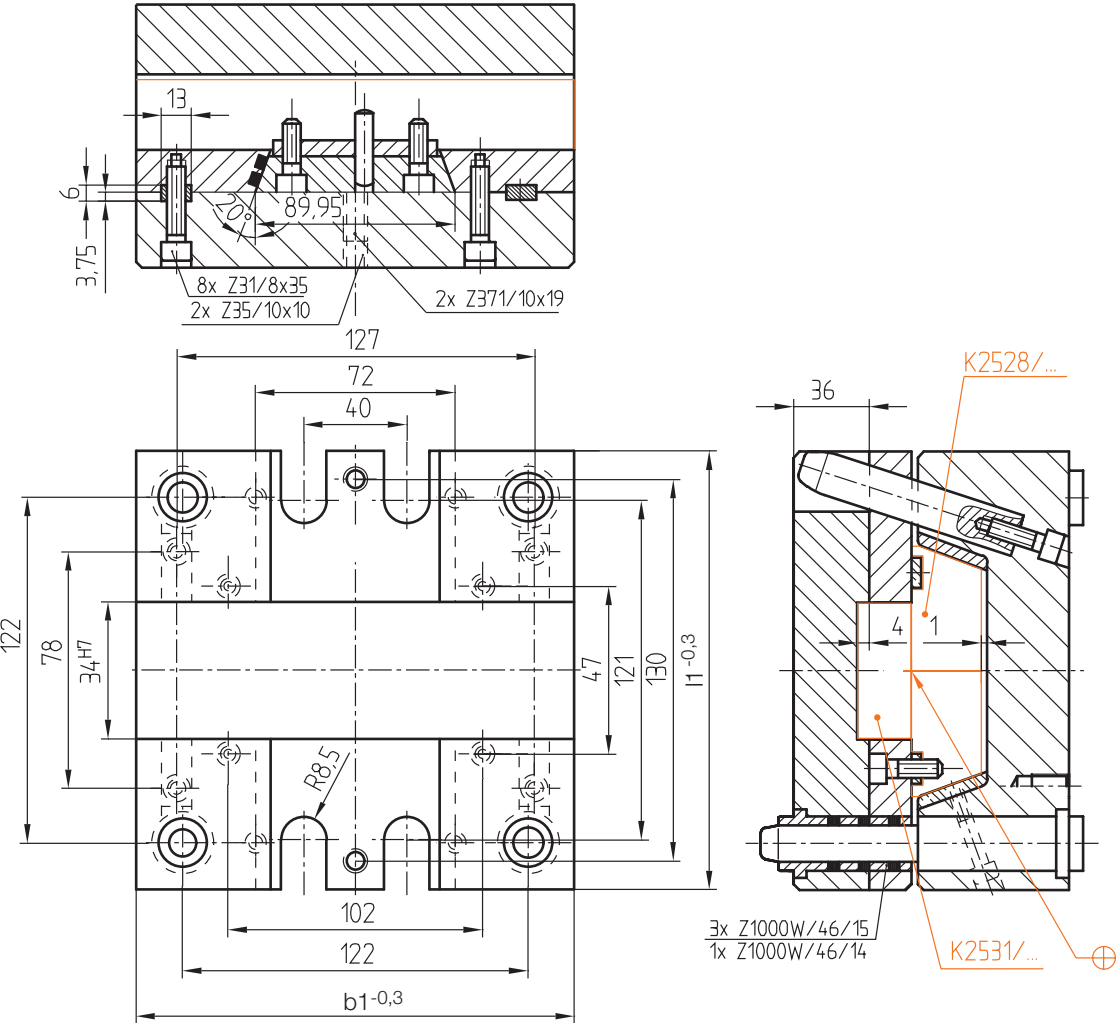


Max. Arbeitsfläche
Max. working area
Surfaces max. de travail

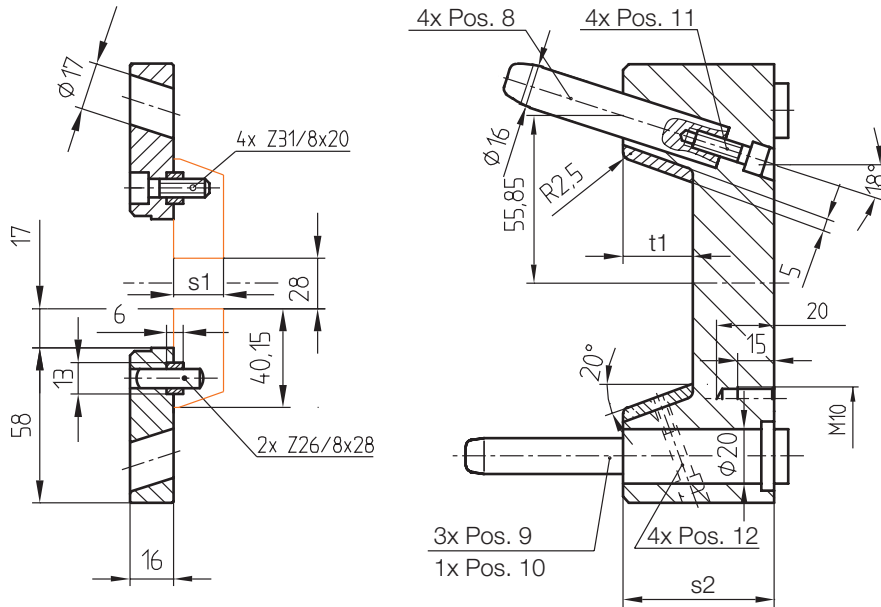
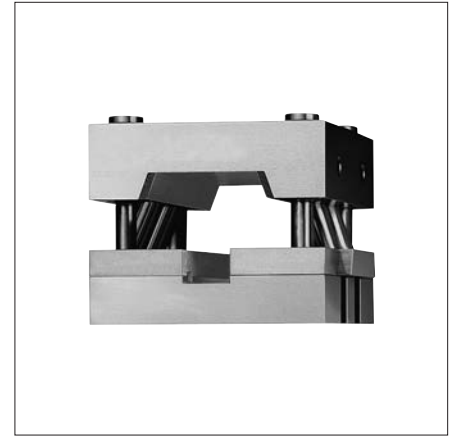


K2500/156x156

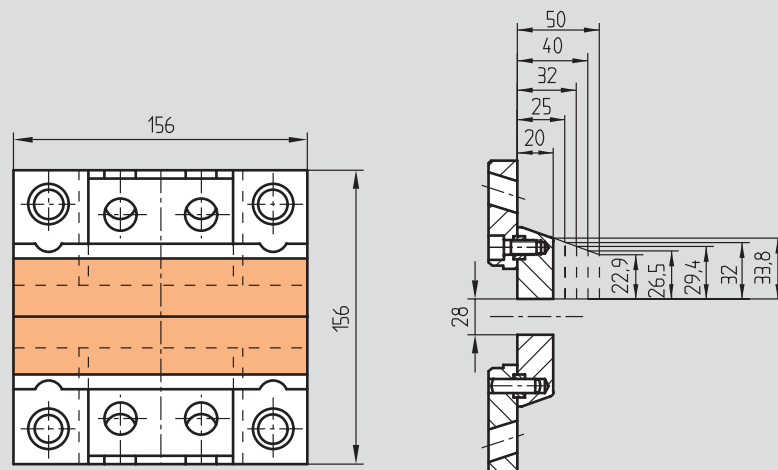
Backenwerkzeug
Split mould kit
Moule à tiroir



Pos. 12 Z31/...	Pos. 11 Z31/...	Pos. 10 Z04/...	Pos. 9 Z04/...	Pos. 8 Z010/...	t1	s2	b1	l1	s1	Nr. / No.
6x30	8x18	46x14x65	46x15x65	16x 90	18	46	156	156	20	K 2500 / 156x156x 20
	8x30	56x14x75	56x15x75	16x100	23	56			25	25
		66x14x65	66x15x65		30	66			32	32
6x35	8x40	76x14x55	76x15x55		38	76			40	40
	8x50	86x14x55	86x15x55		48	86			50	50

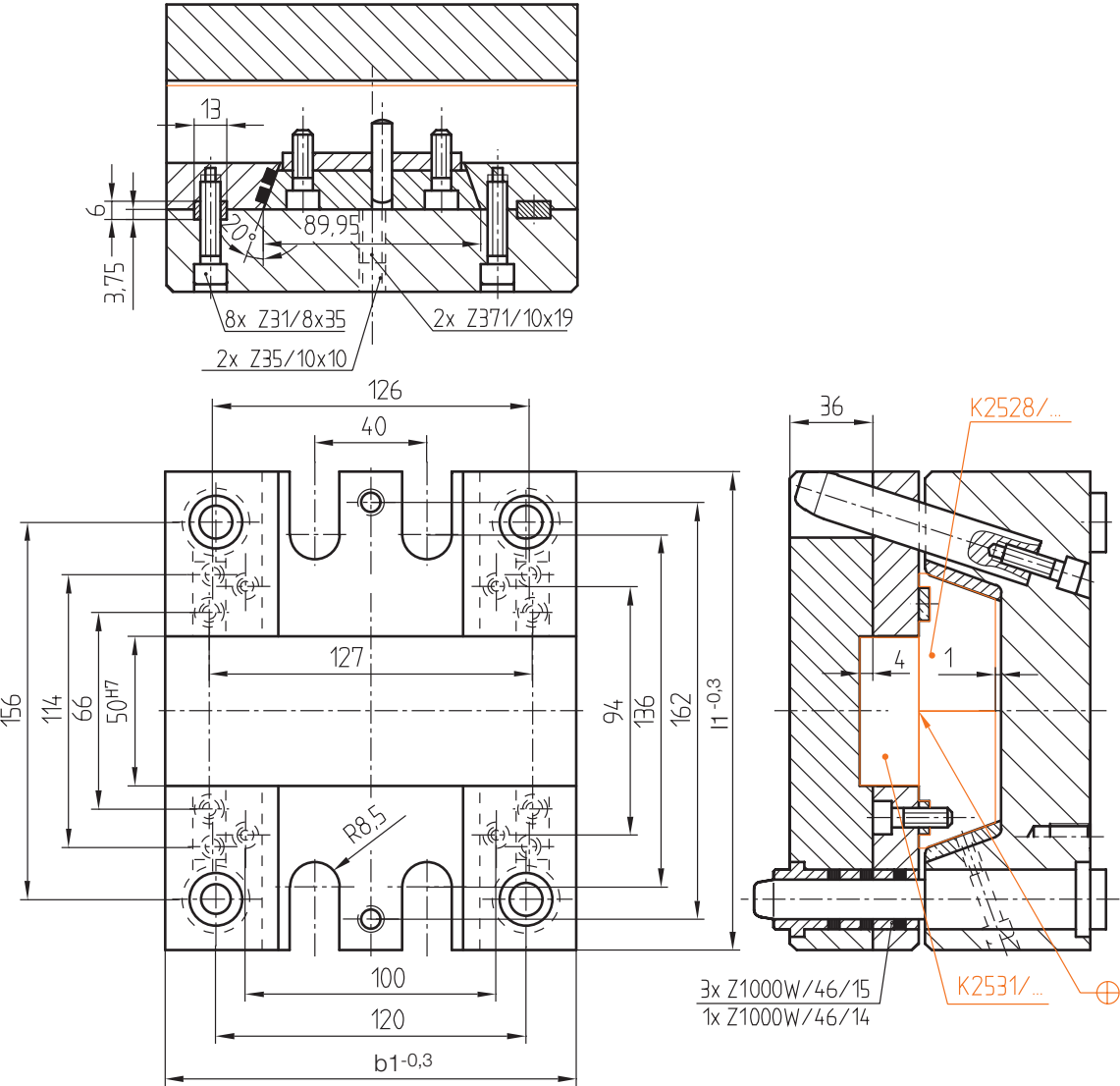


Max. Arbeitsfläche
Max. working area
Surfaces max. de travail

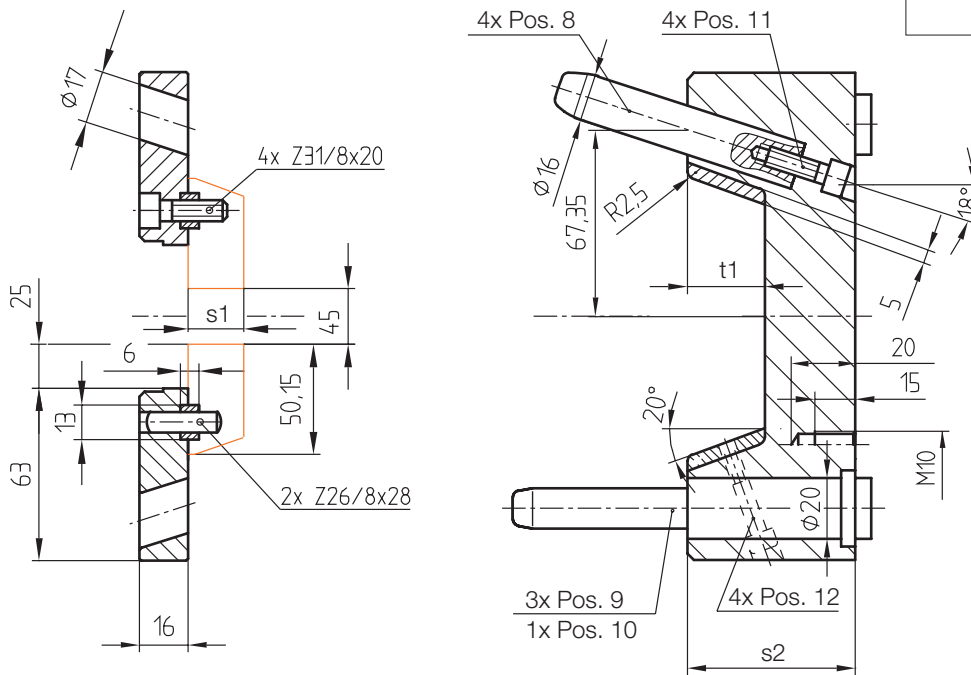
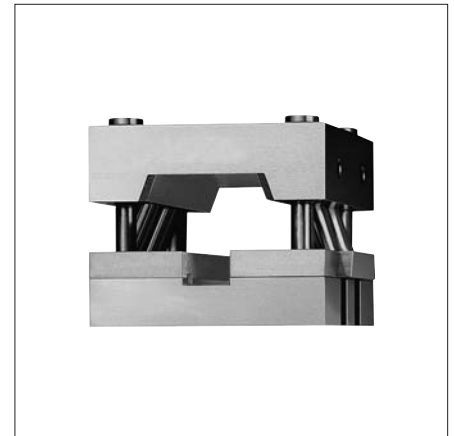


K2500/156x196

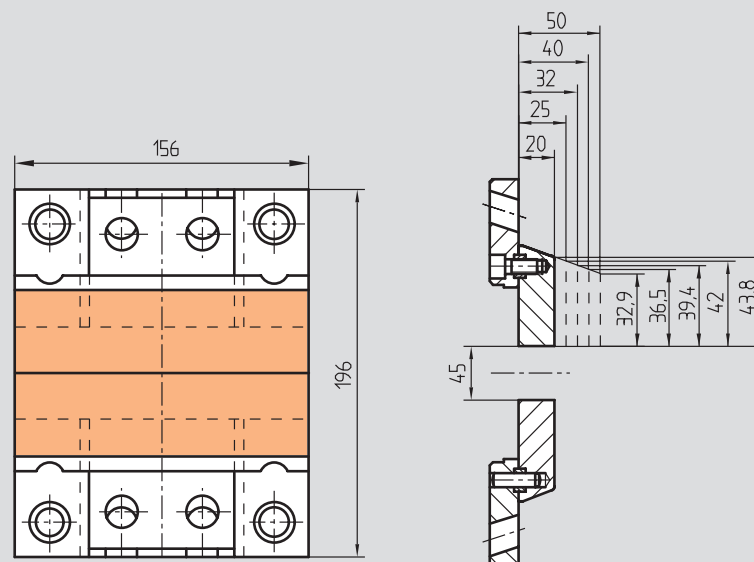
Backenwerkzeug
Split mould kit
Moule à tiroir



Pos. 12	Pos. 11	Pos. 10	Pos. 9	Pos. 8	t1	s2	b1	l1	s1	Nr. / No.
Z31/...	Z31/...	Z04/...	Z04/...	Z010/...	18	56	156	196	20	K 2500 / 156 x 196 x 20
6 x 40	8 x 25	56 x 14 x 95	56 x 15 x 95	16 x 118	23				25	25
		66 x 14 x 95	66 x 15 x 95	16 x 132	30	66			32	32
	8 x 35	76 x 14 x 95	76 x 15 x 95		38	76			40	40
6 x 45	8 x 45	86 x 14 x 95	86 x 15 x 95		48	86			50	50

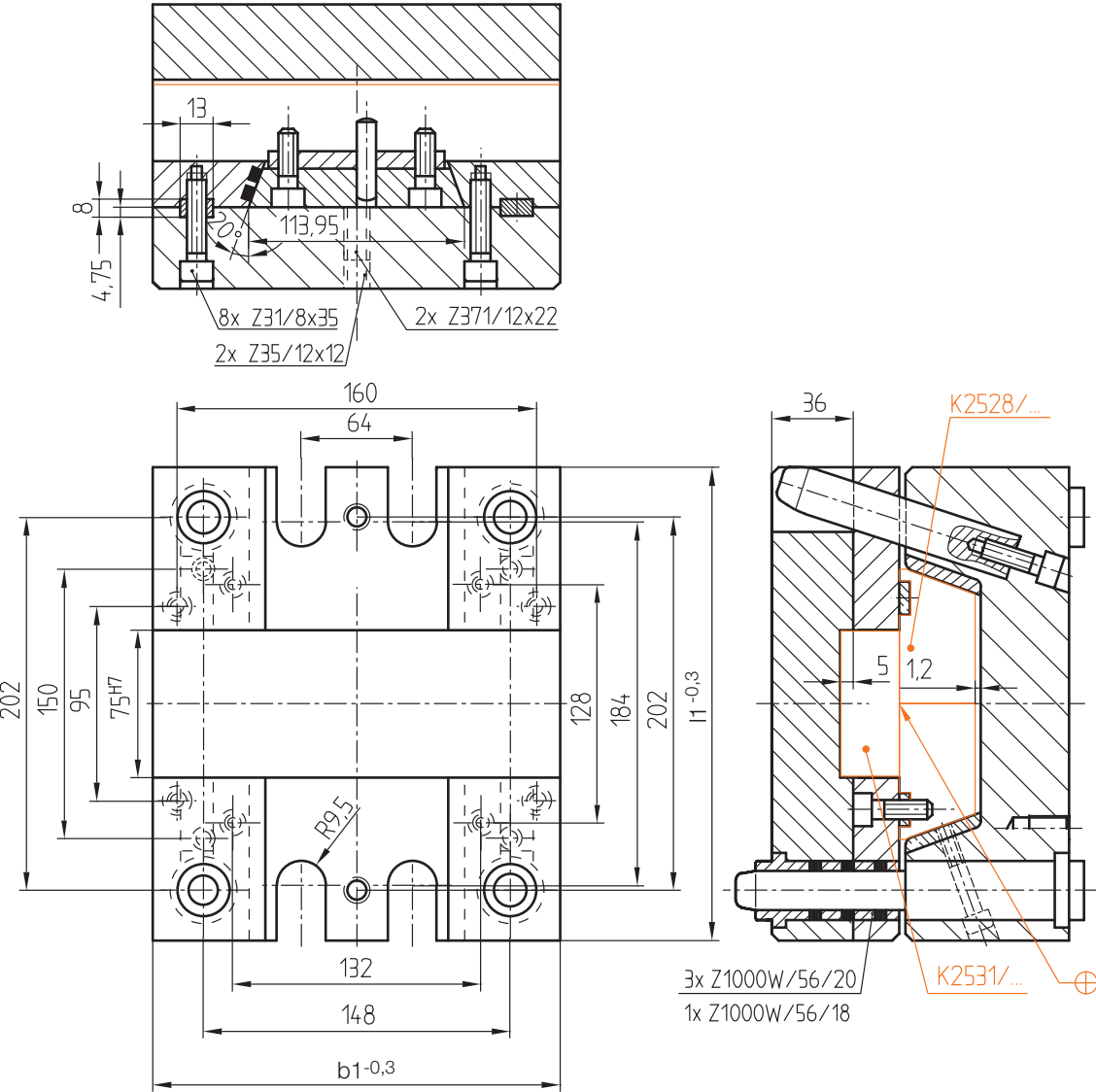


Max. Arbeitsfläche
Max. working area
Surfaces max. de travail

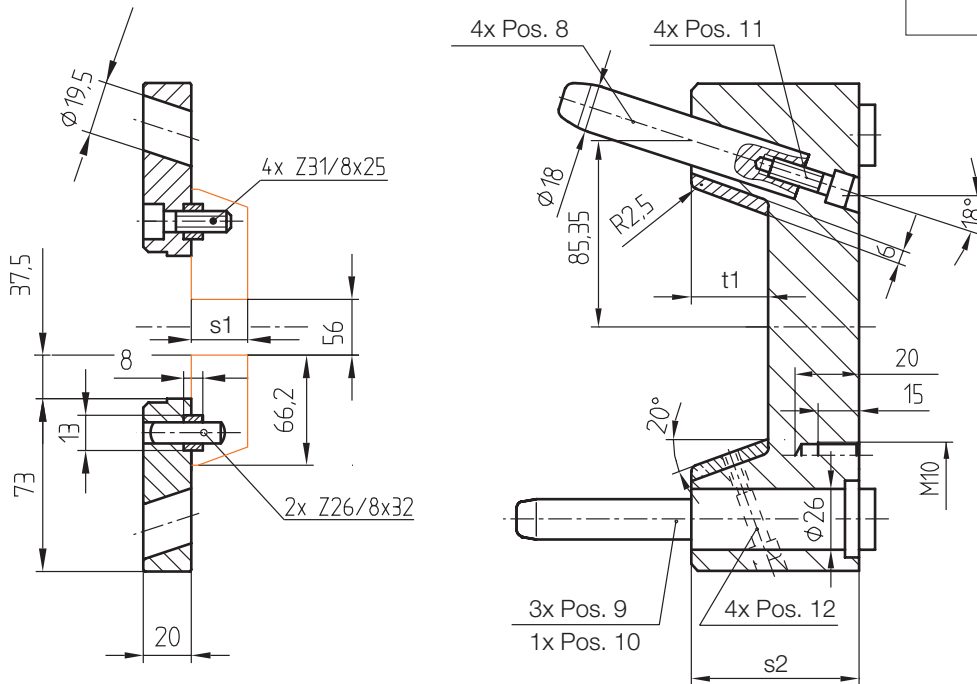
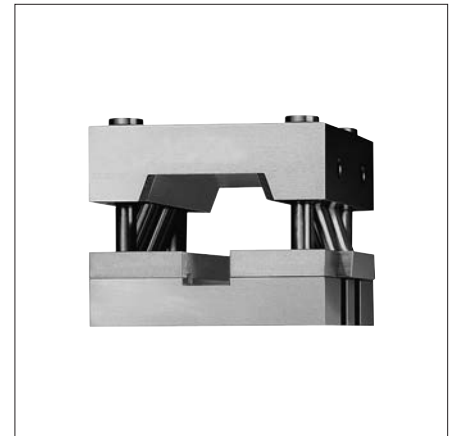


K2500/190x246

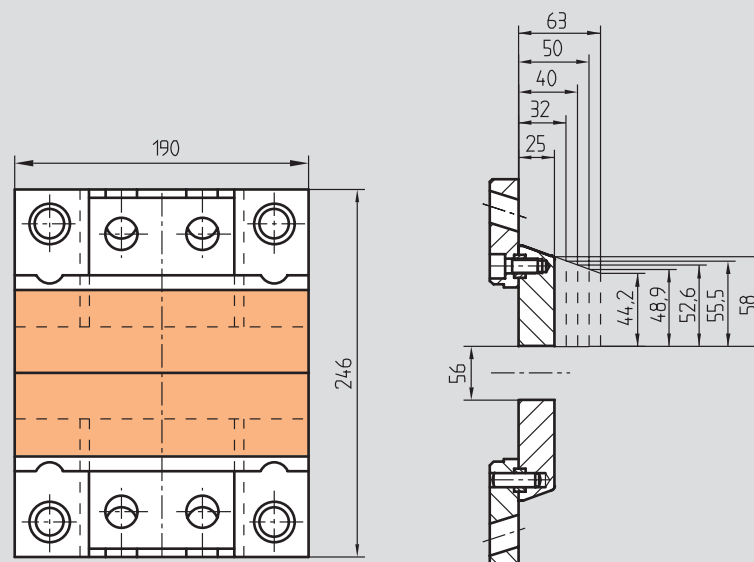
Backenwerkzeug
Split mould kit
Moule à tiroir



Pos. 12	Pos. 11	Pos. 10	Pos. 9	Pos. 8	t1	s2	b1	l1	s1	Nr. / No.
Z31/...	Z31/...	Z04/...	Z04/...	Z010/...						
6x50	10x25	66x18x145	66x20x145	18x150	23	66	190	246	25	K 2500 / 190 x 246 x 25
					30				32	32
					38				40	40
6x55	10x25	86x18x125	86x20x125	18x170	48	86			50	50
					61				63	63

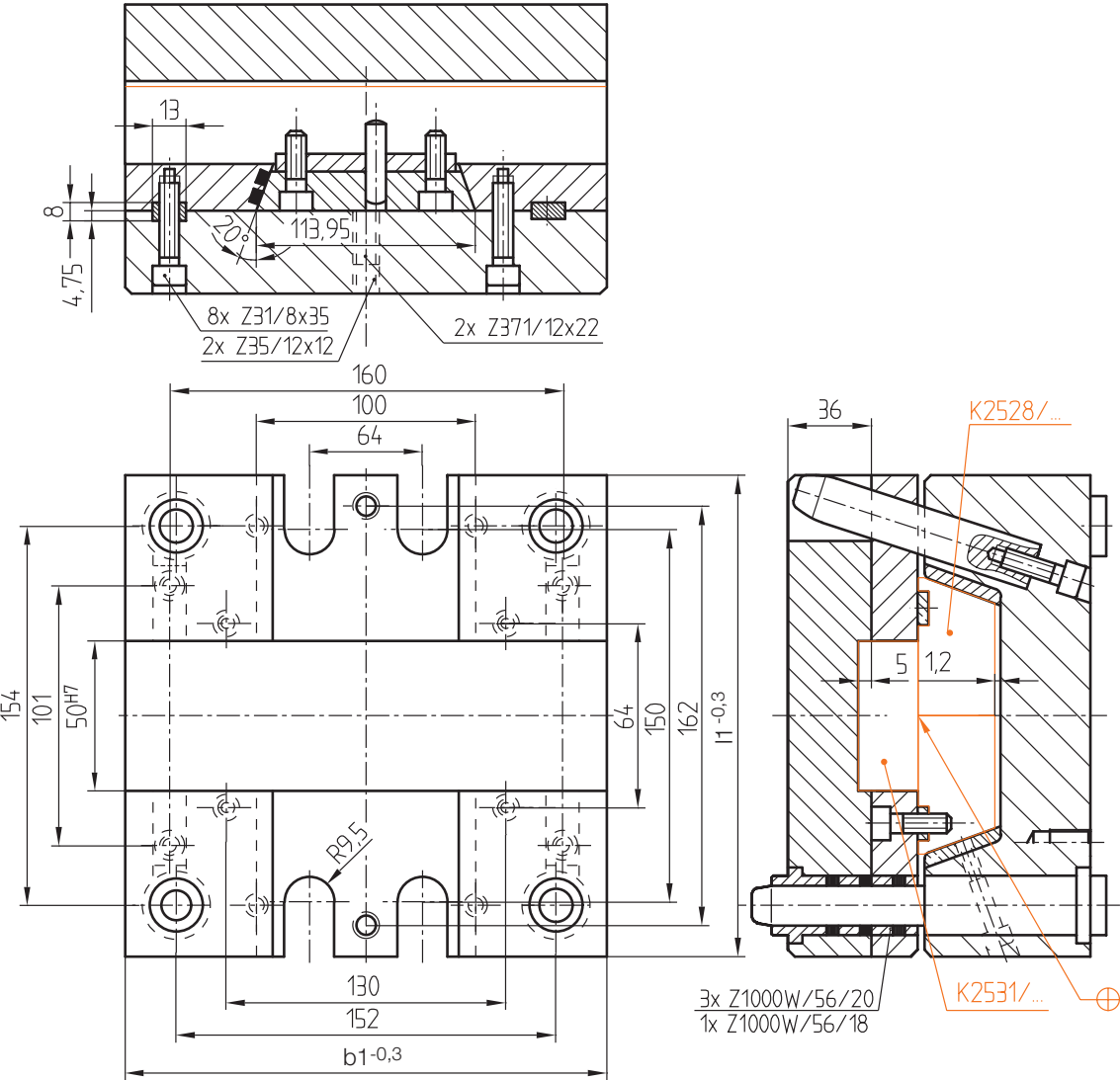


Max. Arbeitsfläche
Max. working area
Surfaces max. de travail

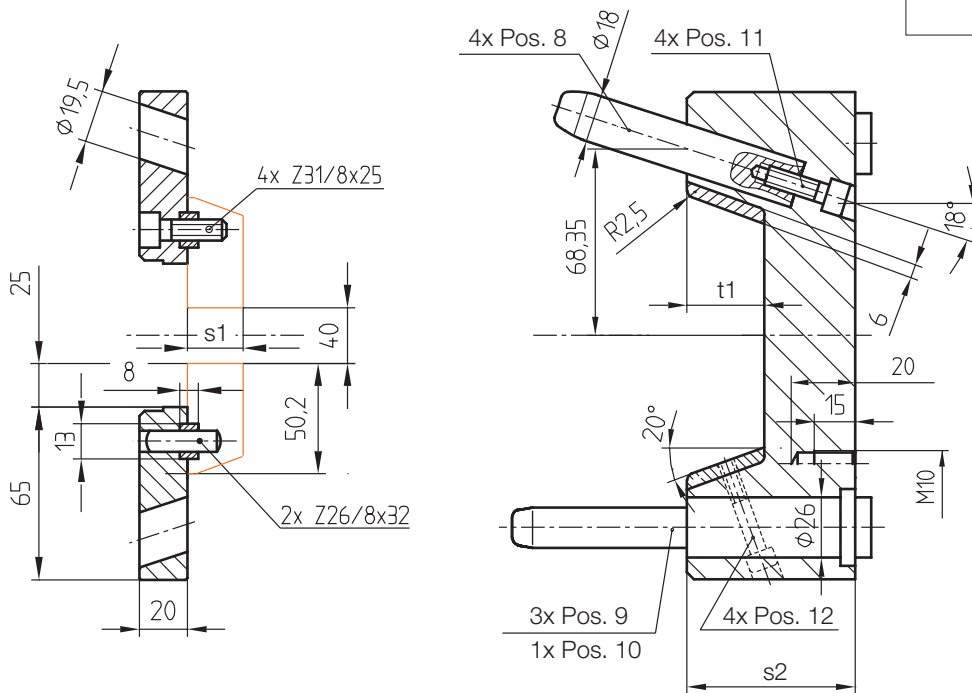
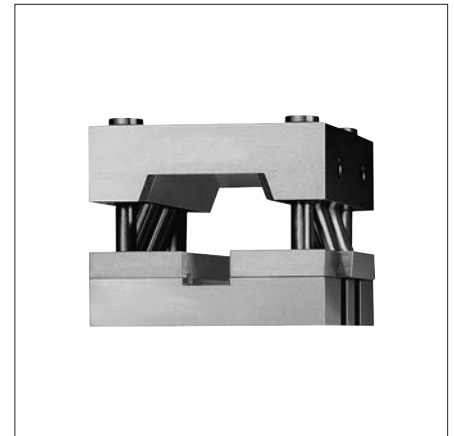


K2500/196x196

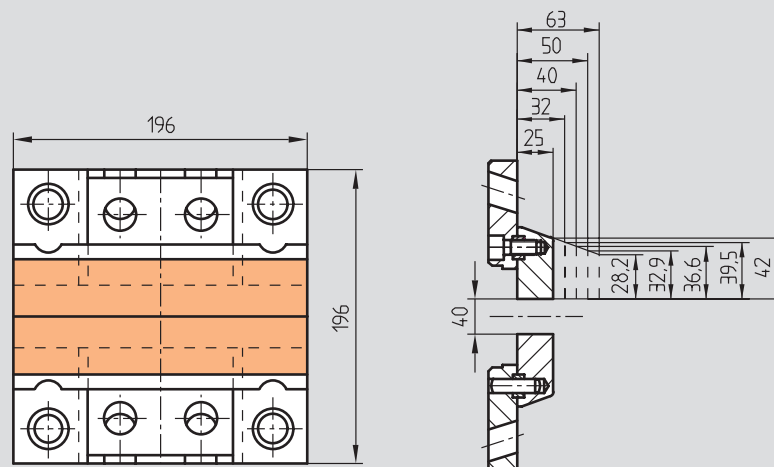
Backenwerkzeug
Split mould kit
Moule à tiroir



Pos. 12	Pos. 11	Pos. 10	Pos. 9	Pos. 8	t1	s2	b1	l1	s1	Nr. / No.
Z31/...	Z31/...	Z04/...	Z04/...	Z010/...						
6x40	10x25	66x18x 95	66x20x 95	18x125	23	66	196	196	25	K 2500/196x196x25
					30				32	32
	10x35	76x18x 95	76x20x 95		38	76			40	40
6x50	10x30	86x18x 95	86x20x 95	18x140	48	86			50	50
6x45	10x60	116x18x115	116x20x115		61	116			63	63

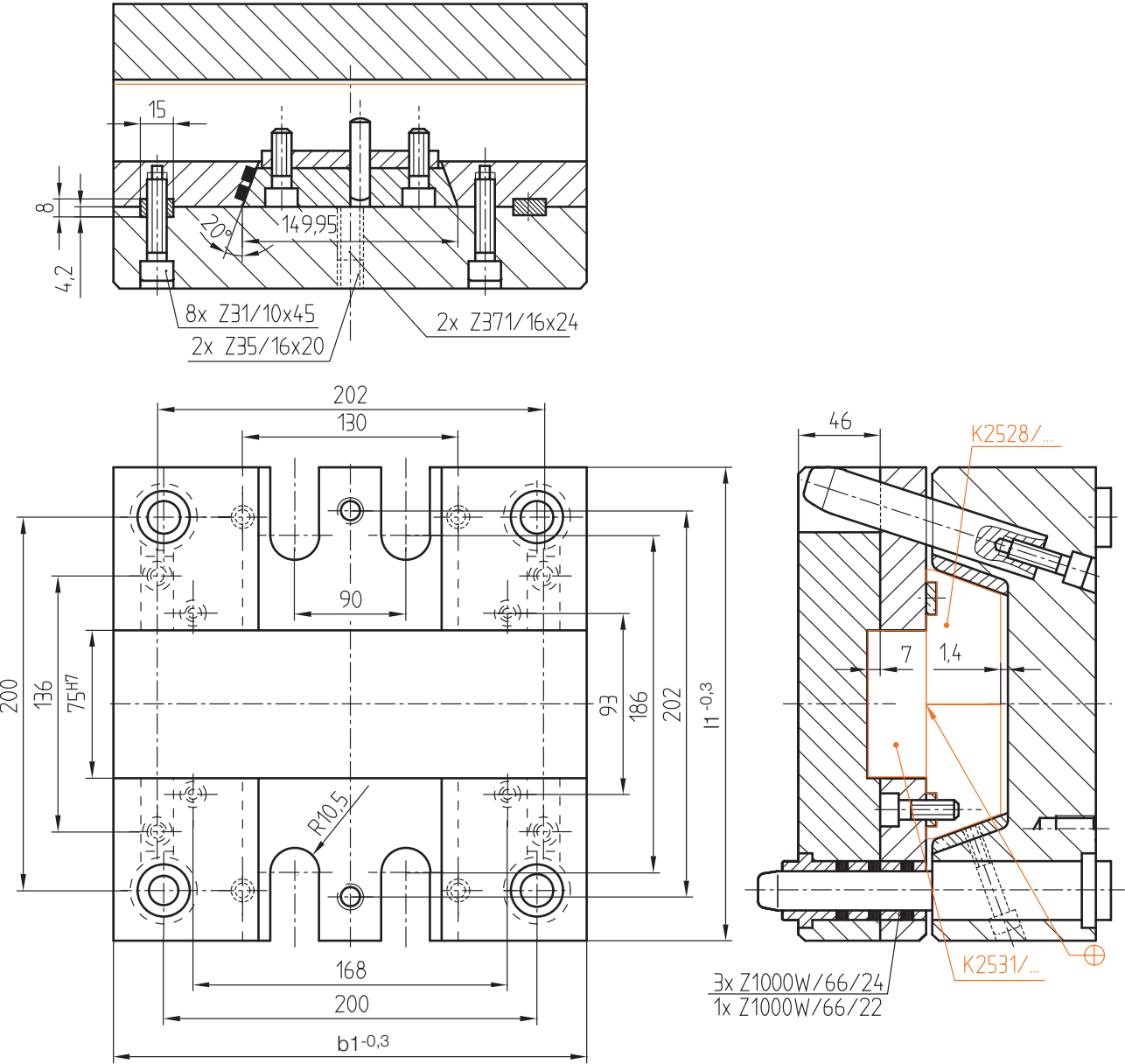


Max. Arbeitsfläche
Max. working area
Surfaces max. de travail

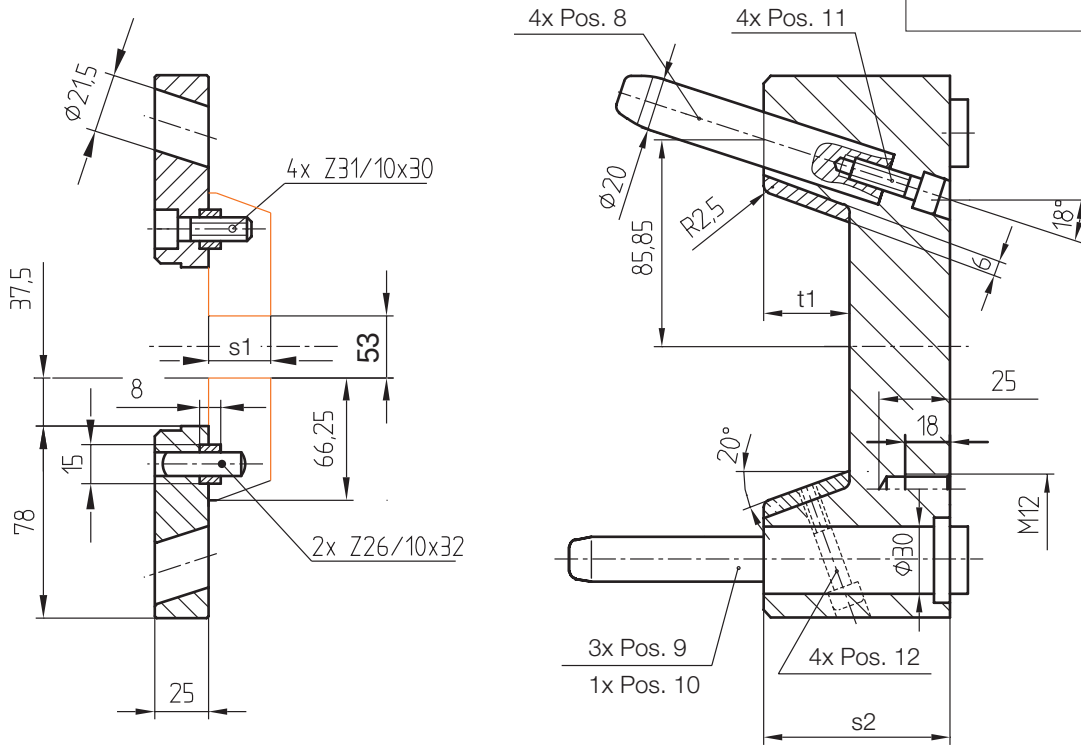
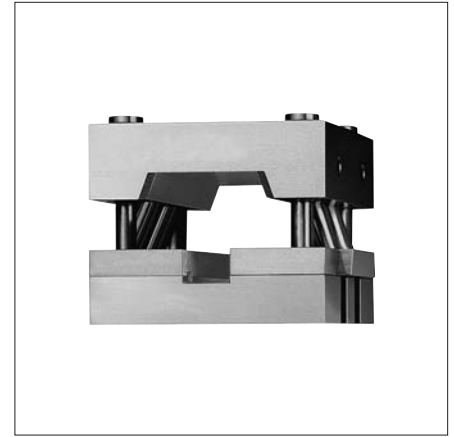


K2500/246x246

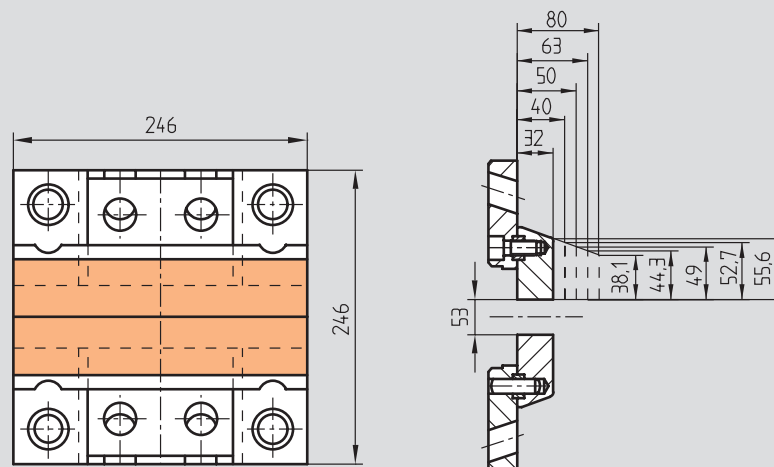
Backenwerkzeug
Split mould kit
Moule à tiroir



Pos. 12 Z31/...	Pos. 11 Z31/...	Pos. 10 Z04/...	Pos. 9 Z04/...	Pos. 8 Z010/...	t1	s2	b1	l1	s1	Nr. / No.
6x50	10x20	66x22x155	66x24x155	20x150	30	66	246	246	32	K 2500/246x246x32
		76x22x115	76x24x115		38	76			40	40
6x55	10x20			20x160	48	76			50	50
6x60	10x60	116x22x115	116x24x115		61	116			63	63
6x60	10x80	136x22x135	136x24x135		78	136			80	80

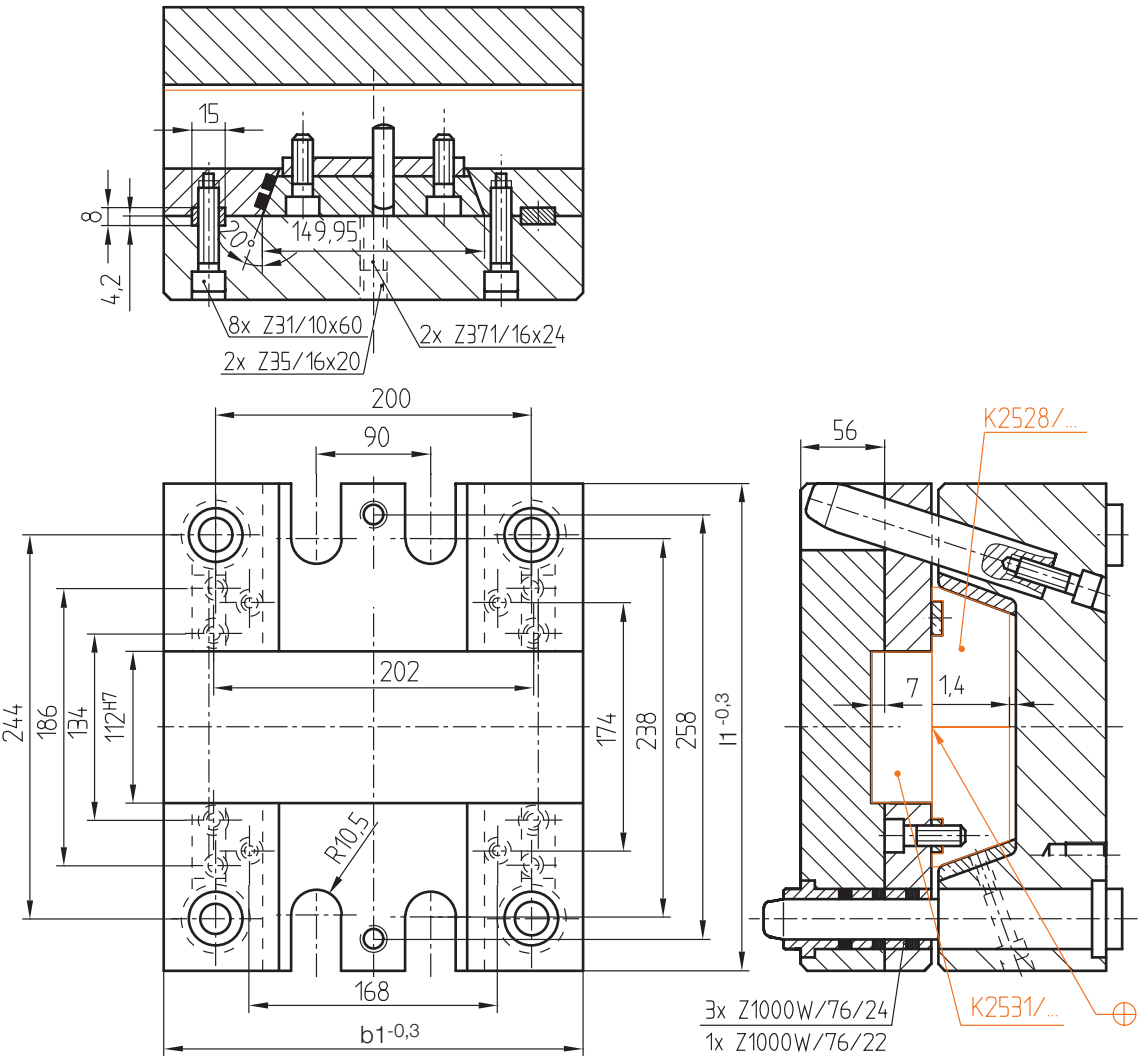


Max. Arbeitsfläche
Max. working area
Surfaces max. de travail

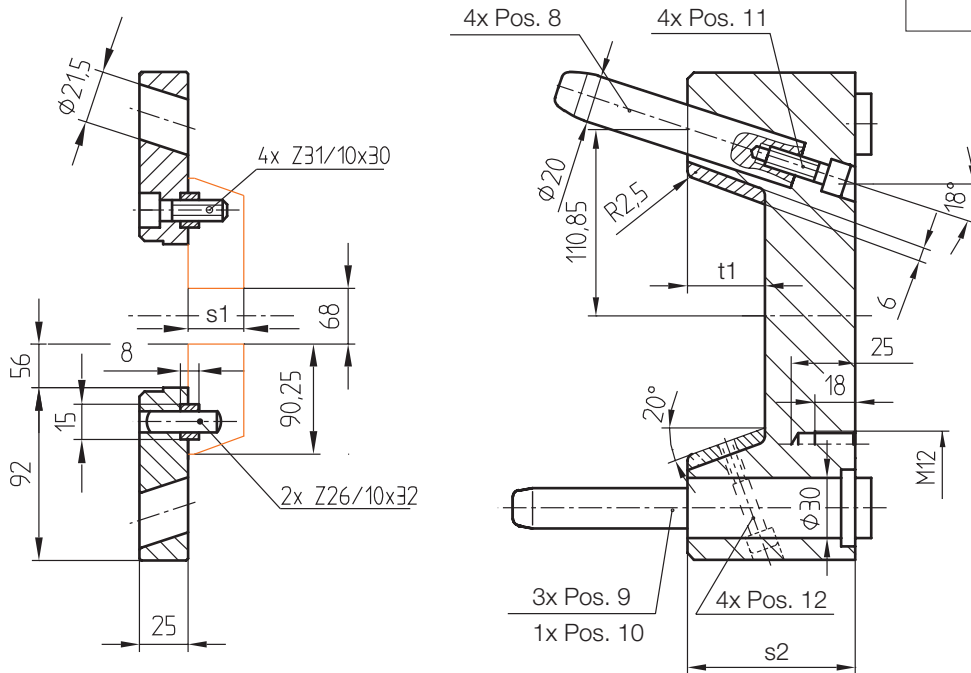
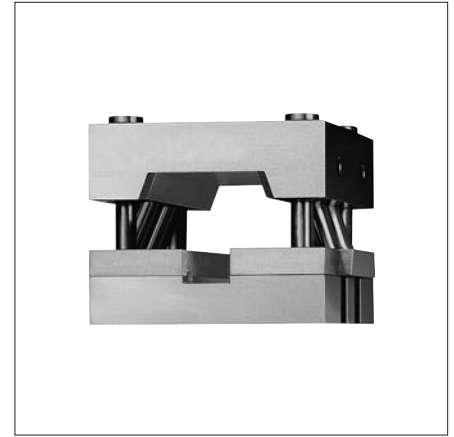


K2500/246x296

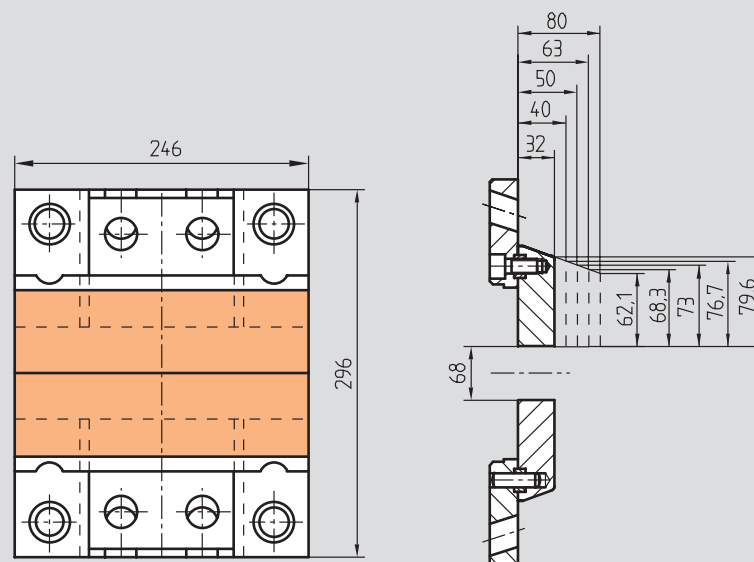
Backenwerkzeug
Split mould kit
Moule à tiroir



Pos. 12	Pos. 11	Pos. 10	Pos. 9	Pos. 8	t1	s2	b1	l1	s1	Nr. / No.
Z31/...	Z31/...	Z04/...	Z04/...	Z010/...						
6x55	10x25	66x22x155	66x24x155	20x170	30	66	246	296	32	K 2500/246x296x32
	10x35	76x22x145	76x24x145		38	76			40	40
6x60	10x45	86x22x135	86x24x135		48	86			50	50
6x55	10x55	116x22x155	116x24x155	20x190	61	116			63	63
6x65	10x75	136x22x135	136x24x135		78	136			80	80

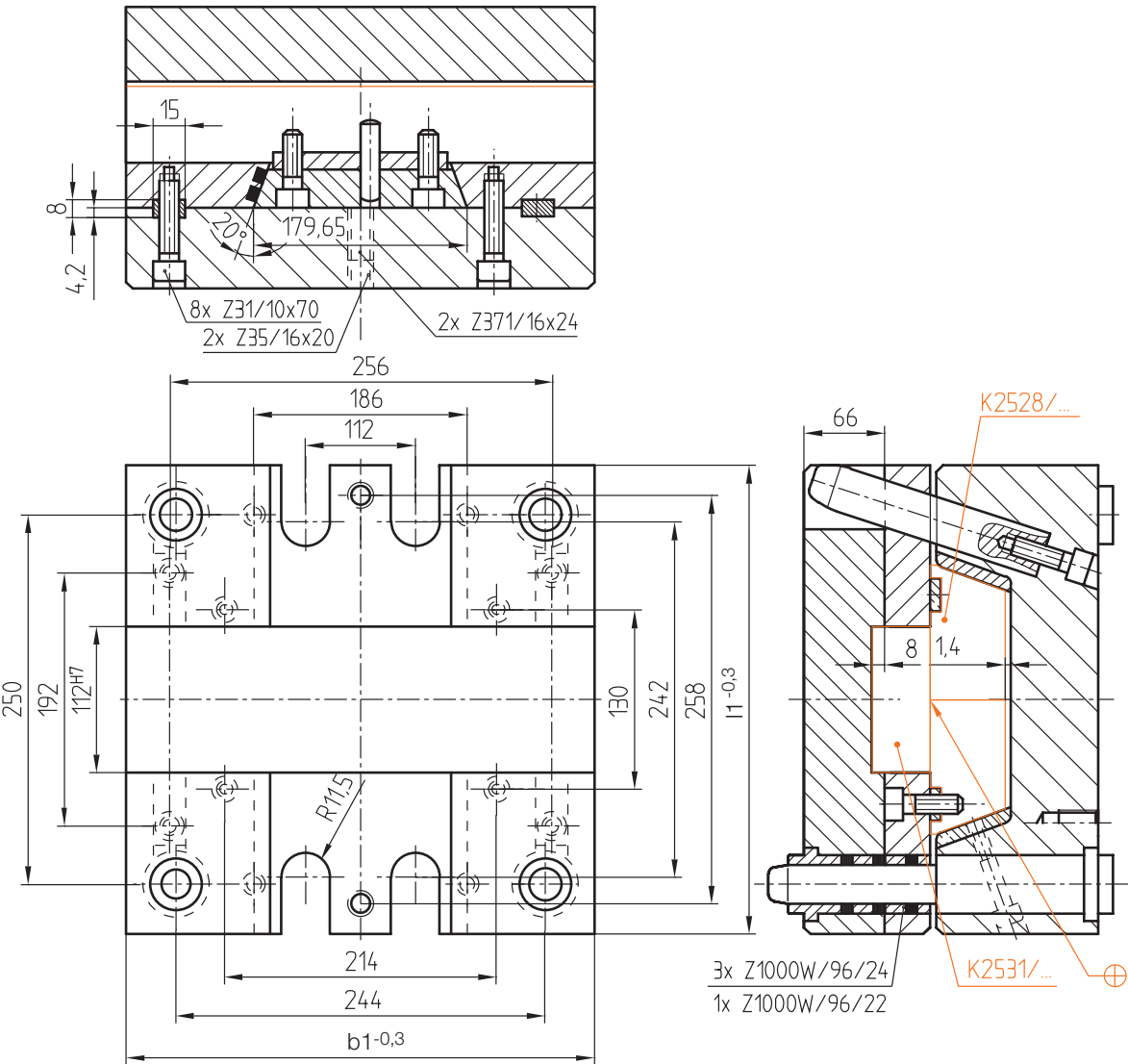


Max. Arbeitsfläche
Max. working area
Surfaces max. de travail

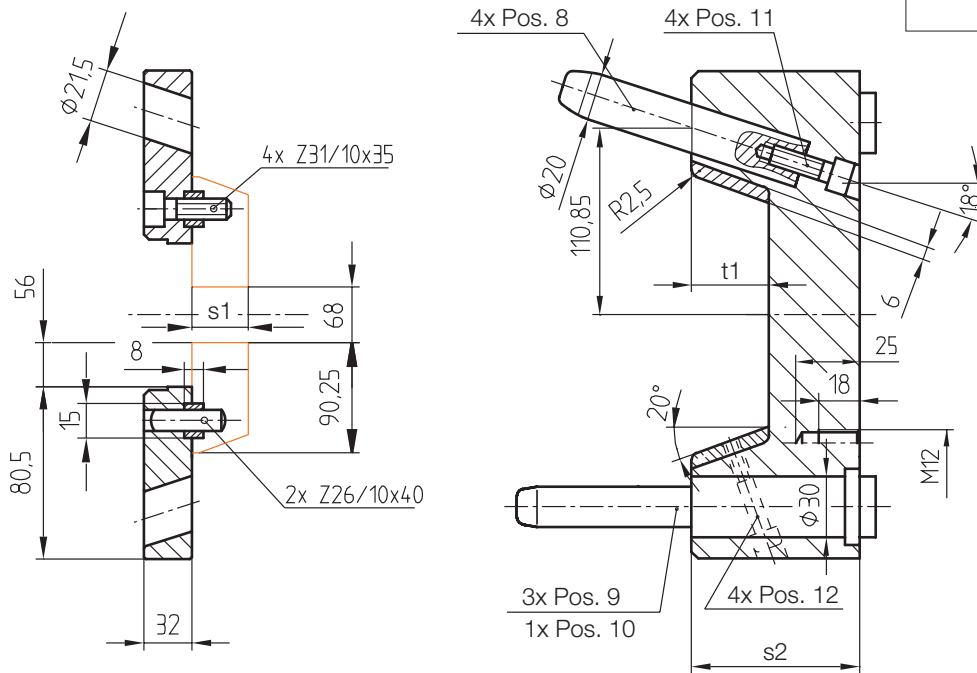
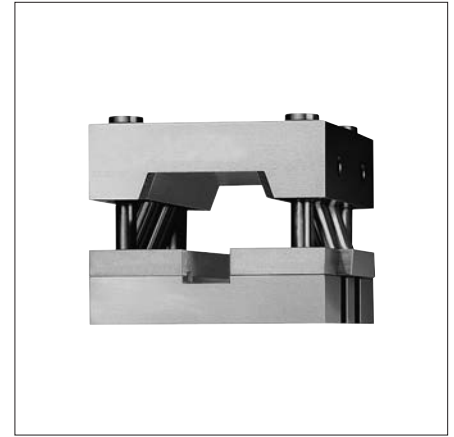


K2500/296x296

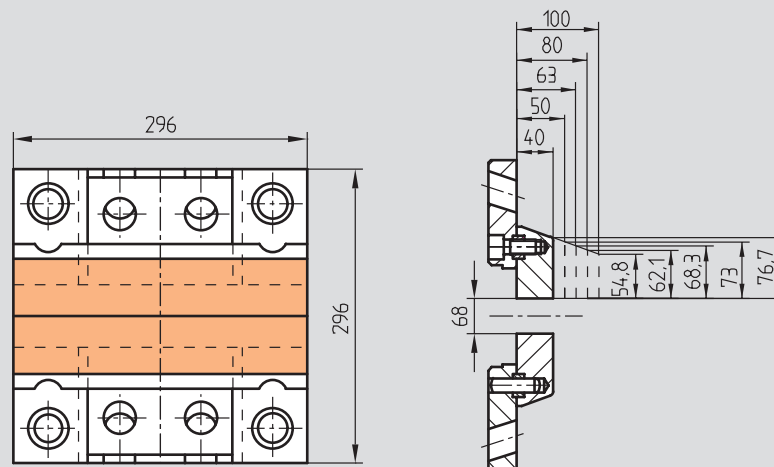
Backenwerkzeug
Split mould kit
Moule à tiroir



Pos. 12	Pos. 11	Pos. 10	Pos. 9	Pos. 8	t1	s2	b1	l1	s1	Nr. / No.
Z31/...	Z31/...	Z04/...	Z04/...	Z010/...						
6x55	10x35	76x22x145	76x24x145	20x170	38	76	296	296	40	K 2500/296x296x 40
6x60					48				50	50
6x55	10x55	116x22x115	116x24x115	20x190	61	116			63	63
6x60	10x75	136x22x135	136x24x135		78	136			80	80
6x65	10x80	156x22x155	156x24x155	20x210	98	156			100	100



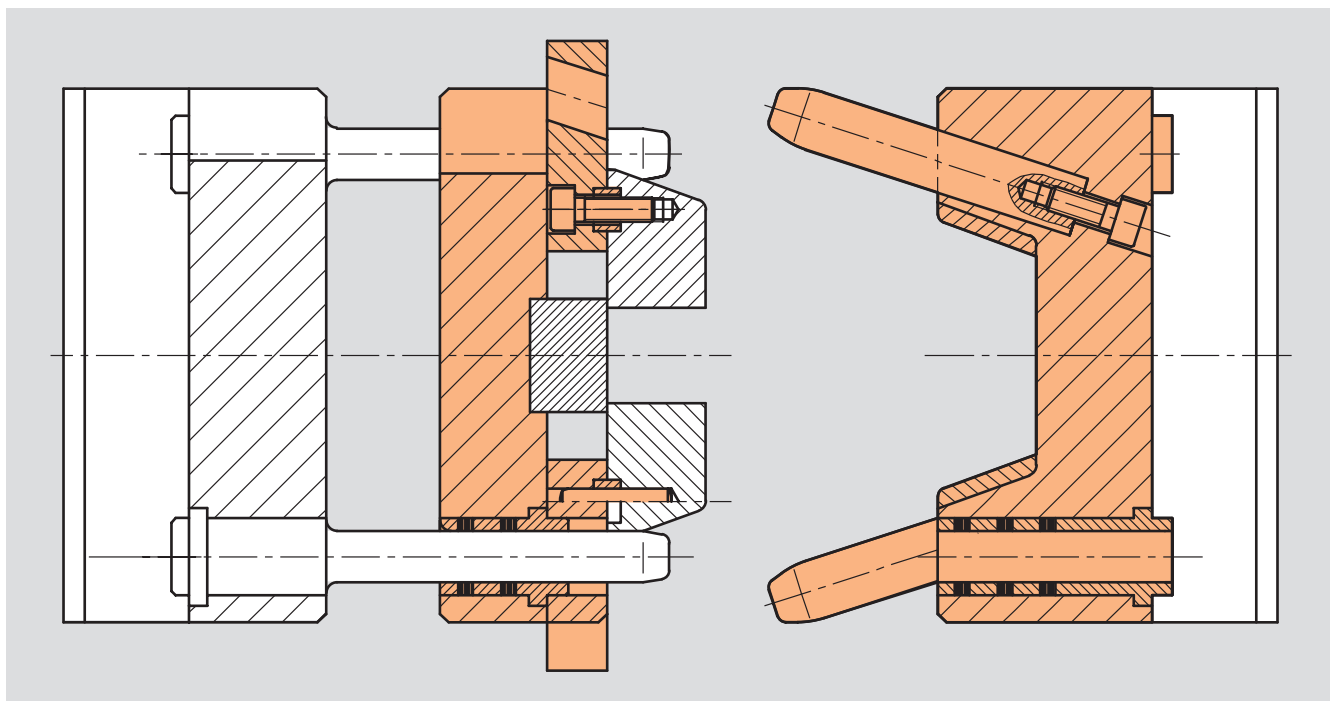
Max. Arbeitsfläche
Max. working area
Surfaces max. de travail



K2501/...
Backenwerkzeug
(Abstreiferversion)

K2501/...
Split mould kit
(Stripper type)

K2501/...
Moule à tiroirs
(version à démouleur)



*Die Abmessungen von K 2501/...
sind kompatibel zum HASCO
K-Programm.*

*The dimensions of K 2501/... are
compatible with the HASCO
K programme.*

*Les cotes du modèles K 2501 /...
sont compatibles avec la gamme K
de HASCO.*

Besondere Merkmale

- Abhängig von der Spritzteilgeometrie kann zwischen der Auswerferversion K 2500/... und der Abstreiferversion K 2501/... gewählt werden.
- K 2500/... und K 2501/... sind jeweils in 8 Größen mit je 5 Backenhöhen verfügbar.
- Backen (K 2528/...) und Kernhalte-einsatz (K 2531/...) gehören nicht zum Lieferumfang.
- Bauteile und Backenbetätigung liegen innerhalb der Werkzeug-abmessungen.
- Nachschleifbare Backenführung.
- Austauschbare Druckplatten.
- Backen (K 2528/...) voll nutzbar für Kontur und Kühlung.
- Backenlänge entspricht Werkzeug-breite.
- Passfeder-Nut in K 2528/... (Mat. 1.2767) mit Aufmaß zum Nach-schleifen nach dem Härten.
- Härteverzug der Backen ohne Einfluss auf die Führung.
- Länge des Kernhalte-einsatzes (K 2531/...) entspricht Werkzeug-breite.
- Schwalbenschwanz-Führung leicht nachstellbar.
- Kein Verkanten der Führung durch günstiges Längen-/Breitenverhältnis.
- Sicherung der Backen durch inte-grierte Kugelrasten.
- Freier Fall der Spritzteile.
- Selbstschmierende Backenführungs-leisten und Führungsbuchsen.

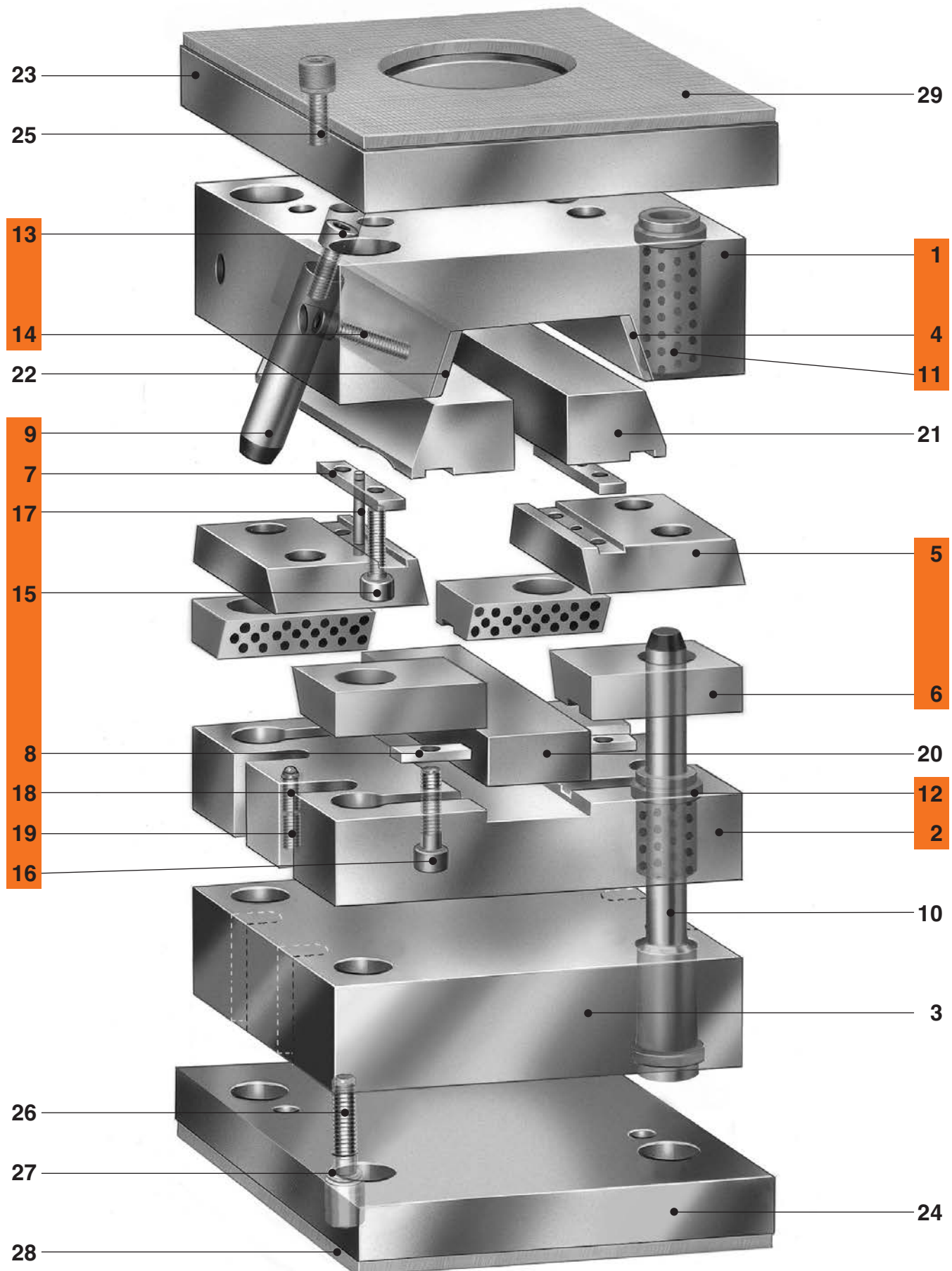
Features

- To suit moulding geometry, the designer has the choice between Ejector type K 2500/... and the Stripper type K 2201/...
- K 2500/... as well as K 2501/... are available in 8 sizes with 5 split heights each.
- Splits (K 2528/...) and core retainer insert (K 2531/...) are not supplied.
- Construction elements and angle pins actuation are positioned within the mould.
- Regrindable split guides.
- Interchangeable wear plates.
- Splits (K 2528/...) can be fully utilized for cavity contour and cooling.
- Split length is equal to mould width.
- Parallel slot in K 2528/... (Mat. 1.2767) with dimensions re-ground according to hardness.
- Distortion on hardening of splits does not affect the guiding system.
- Length of core retainer insert (K 2531/...) is equal to mould width.
- Easy readjustment of dovetailed guide strips.
- No tilting of split guide due to favourable length/width ratio.
- Splits are secured by integrated spring plungers.
- Undisturbed drop of mouldings.
- Guide strips and guide bushings are offered in selflubricating design.

Caractéristiques techniques

- Il est possible de choisir, en fonction de la géométrie des pièces à injecter, entre la version à éjecteur K 2500/... et la version à démouleur K 2501/...
- K 2500/... et K 2501/... sont disponibles chacun en 8 tailles disposant de 5 hauteurs différentes de tiroirs.
- Les plaques (K 2528/...) et le support de noyau (K 2531/...) ne sont pas compris dans la livraison.
- Les éléments de construction et d'actionnement des tiroirs sont positionnés à l'intérieur des cotes du moule.
- Le guidage de plaques peut être à nouveau poli.
- Les plaques de pression sont interchangeables.
- Tiroirs (K 2528/...) entièrement utilisables pour l'empreinte et le refroidissement.
- La longueur de tiroirs correspond à la largeur du moule.
- Gorge pour ressort d'ajustage dans K 2528/... (Mat. : 1.2767) avec surcote pour ponçage ultérieur d'ajustage après le trempage.
- Les éventuelles déformations des tiroirs (trempe), n'influent pas le système de guidage.
- La longueur du support de noyau (K 2531/...) correspond à la largeur du moule.
- Guidage en queue d'aronde facile-ment ajustable.
- Blocage impossible du guidage en raison d'un rapport longueur/largeur étudié.
- Blocage des tiroirs assuré par vis à billes intégrées.
- Dégagement libre des pièces injectées.
- Barres conductrices des tiroirs et bagues de guidage exemptes d'entretien.





K2501/... Abstreiferversion**K2501/... Stripper type****K2501/... Version à démouleur**

Pos.	Benennung	Designation	Désignation	Stück Quant. Pièce	Nr. / Norm No. / Standard N° / Norme	Material / Härte Material / Hardness Matériau / Dureté
1	Backenschließplatte	Chase bolster	Plaque de fermeture des tiroirs	1		1.2312
2	Backengrundplatte	Splits retainer plate	Plaque de base des tiroirs	1		1.2312
4	Druckplatte	Wear plate	Plaque de pression	2		1.2842/53 + 2 HRC
5	Backenführung	Split guide	Guide des tiroirs	2		1.2767/52 ± 2 HRC
6	Backenführungsleiste	Guide strip	Barre conductrice des tiroirs	4		2.0492
7	Passfeder, lang	Parallel key, long	Ressort d'ajustage, long	2		1.2312
8	Passfeder, kurz	Parallel key, short	Ressort d'ajustage, court	4		1.2312
9	Schrägsäule	Angle pin	Doigt incliné	4	Z 010/...	1.0401
11	Führungsbuchse	Guide bushing	Bague de guidage	3 + 1	Z 1000W/...	DIN 16761-C
12	Führungsbuchse	Guide bushing	Bague de guidage	3 + 1	Z 1000W/...	DIN 16761-C
13	Zylinderschraube	SHC-screw	Vis à tête cylindrique	4	Z 31/... DIN EN ISO 4762	10.9
14	Zylinderschraube	SHC-screw	Vis à tête cylindrique	4	Z 31/... DIN EN ISO 4762	10.9
15	Zylinderschraube	SHC-screw	Vis à tête cylindrique	4	Z 31/... DIN EN ISO 4762	10.9
16	Zylinderschraube	SHC-screw	Vis à tête cylindrique	8	Z 31/... DIN EN ISO 4762	10.9
17	Zylinderstift	Dowel pin	Goupille cylindrique	2	Z 26/... DIN EN 28735	
18	Federndes Druckstück	Spring plunger	Vis à bille sans tête	2	Z 371/...	1.4305
19	Gewindestift	Set screw	Vis sans tête	2	Z 35/... DIN 913	

Sonstige Bauteile

Extra Bestellung erforderlich

Other components

Extra order required

Autres éléments

Commande spéciale nécessaire

Pos.	Benennung	Designation	Désignation	Stück Quant. Pièce	Nr. / Norm No. / Standard N° / Norme	Material / Härte Material / Hardness Matériau / Dureté
3	Kernhalteplatte	Core retainer plate	Plaque de noyau	1	K 20/...	1.1730
10	Führungssäule	Guide Pillar	Colonne de guidage		Z 04/...	DIN 16761-A
20	Kernhalteinsatz	Core retainer insert	Support de noyau	1	K 2531/...	1.2767
21	Backe	Split	Tiroir	2 	K 2528/...	1.2767 / 1.2343 ESU
22	Druckplatte (Ersatzteil)	Wear plate (spare part)	Pl. de pression (pièce de rech.)		K 2526/...	1.2842/53 + 2 HRC
23	Aufspannplatte	Clamping plate	Plaque de fixation	1)	K 10/...; K 12/...	1.1730
24	Aufspannplatte	Clamping plate	Plaque de fixation	1)	K 11/...; K 13/...	1.1730
25	Zylinderschraube	SHC-screw	Vis à tête cylindrique	4	Z 31/... DIN EN ISO 4762	10.9
26	Zylinderschraube	SHC-screw	Vis à tête cylindrique	4	Z 31/... DIN EN ISO 4762	10.9
27	Sperrkantring	Locking edge washer	Rondelle à bords d'arrêt	8	Z 691/...	DIN 17221
28	Wärmeisolierplatte	Thermal insulating sheet	Plaque isolante	1)	Z 121/...; Z 1211/...; Z 1211/...	
29	Wärmeisolierplatte	Thermal insulating sheet	Plaque isolante	1)	Z 121/...; Z 1211/...	

 = Verpackungseinheit / Packing unit / Unité d'emballage

1) Typ und Abmessung ist vom Konstrukteur festzulegen

1) Type and dimension is to be fixed by the designer

1) Le type et les cotes doivent être définis par le constructeur.

 Beachten:

Die Kernhalteplatte, Pos. 3, muss je nach konstruktiver Ausführung mit Freisparungen für die Schrägsäulen Pos. 9 versehen werden.

 Caution:

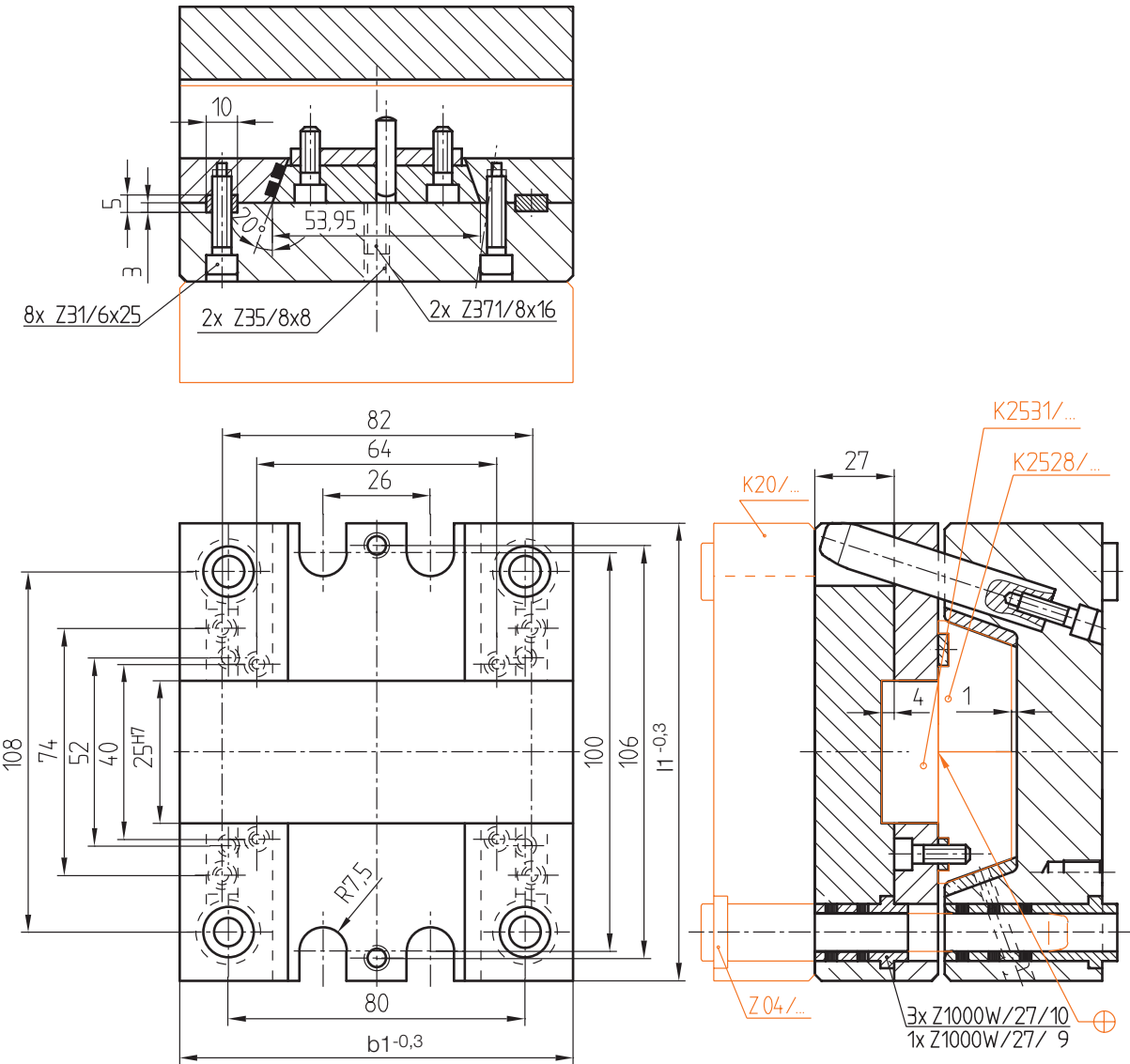
According to the design the backing plate, item 3 must be provided with clearance recesses for angle pins, item 9.

 Remarque:

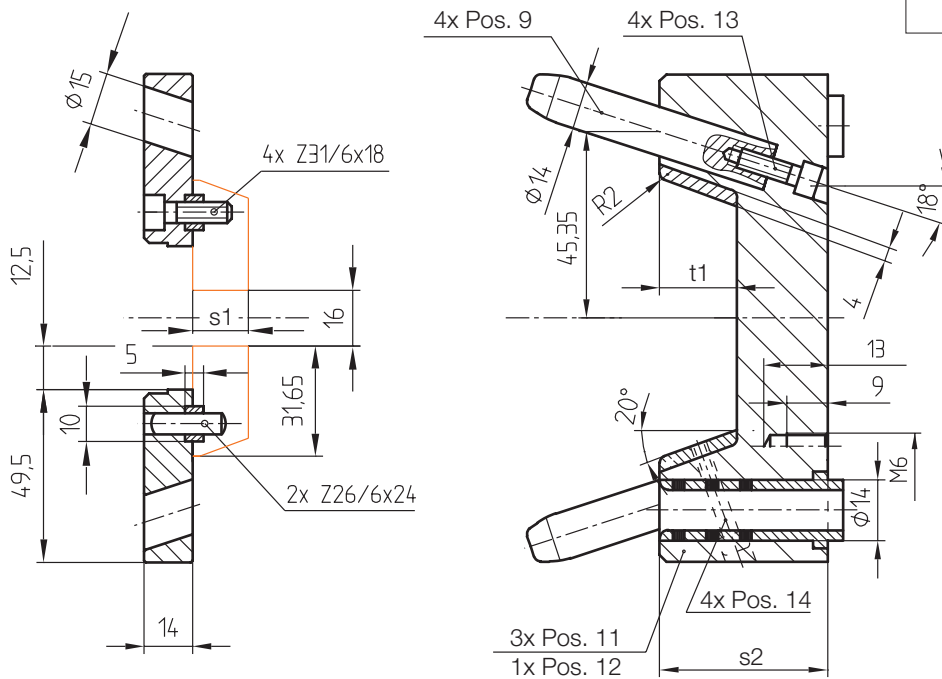
La plaque de noyau, pos. 3, doit présenter, selon le modèle construit, des orifices libres pour les doigts inclinés, pos. 9.

K2501/100x130

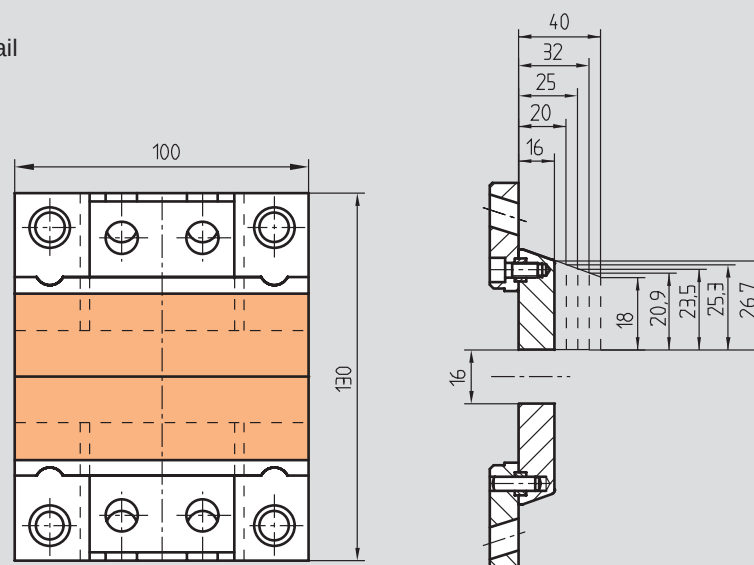
Backenwerkzeug
Split mould kit
Moule à tiroir



Pos. 14 Z31/...	Pos. 13 Z31/...	Pos. 12 Z1000W/...	Pos. 11 Z1000W/...	Pos. 9 Z010/...	t1	s2	b1	l1	s1	Nr. / No.
5x30	6x20	46 x 9	46 x 10	14 x 67	14	46	100	130	16	K 2501 / 100 x 130 x 16
5x25					18				20	20
5x30	6x25	56 x 9	56 x 10	14 x 75	23	56			25	25
					30				32	32
					38	66			40	40

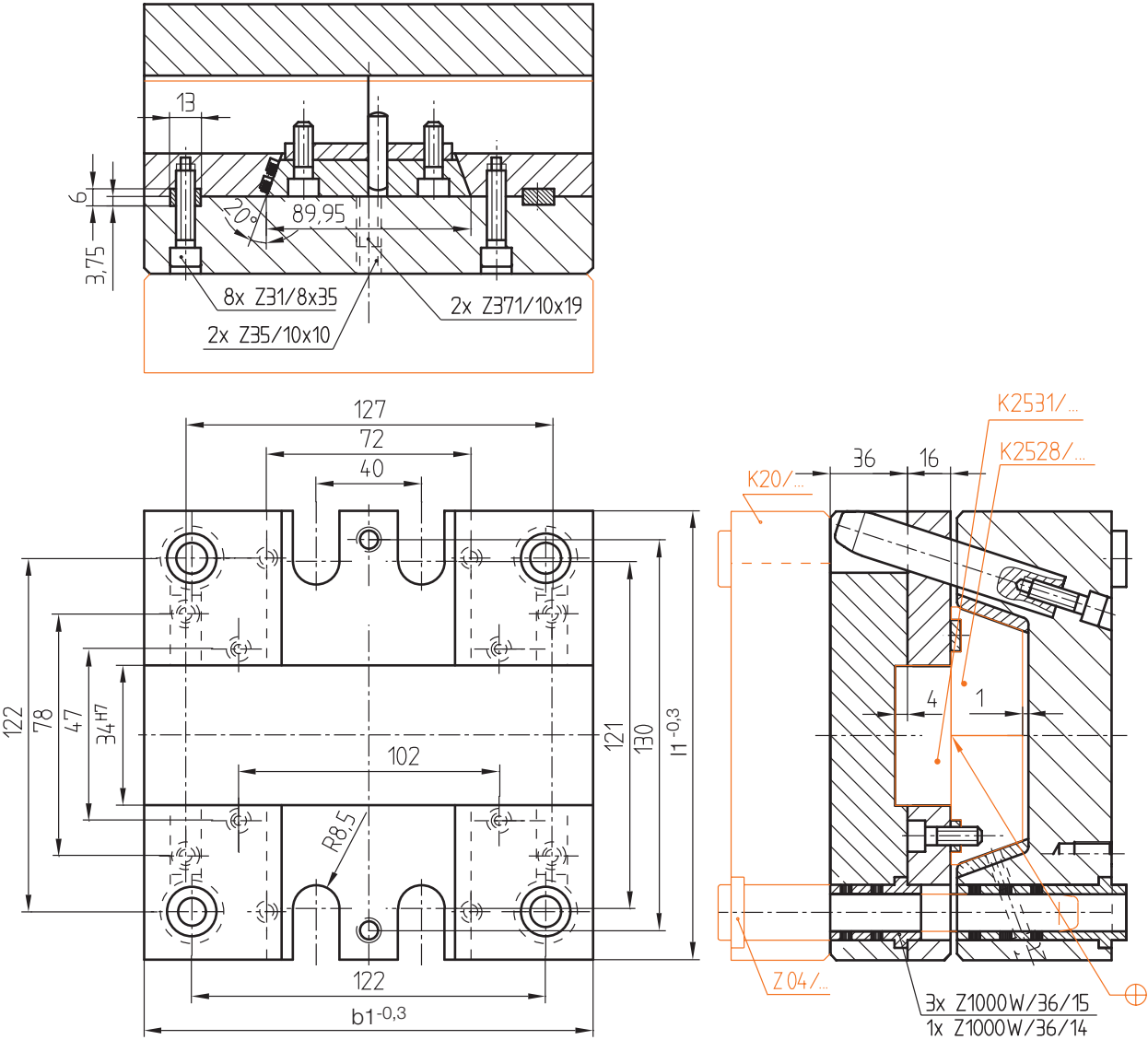


Max. Arbeitsfläche
Max. working area
Surfaces max. de travail

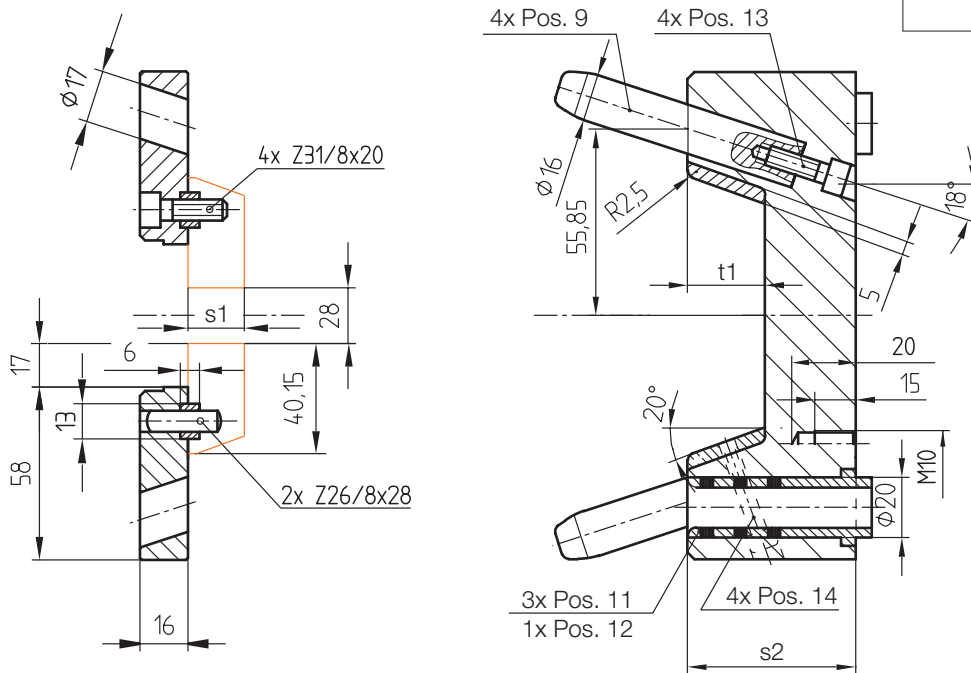
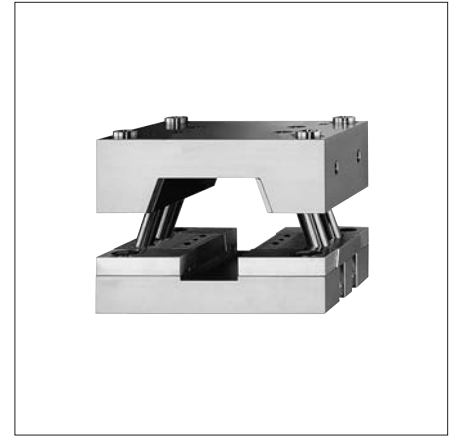


K2501/156x156

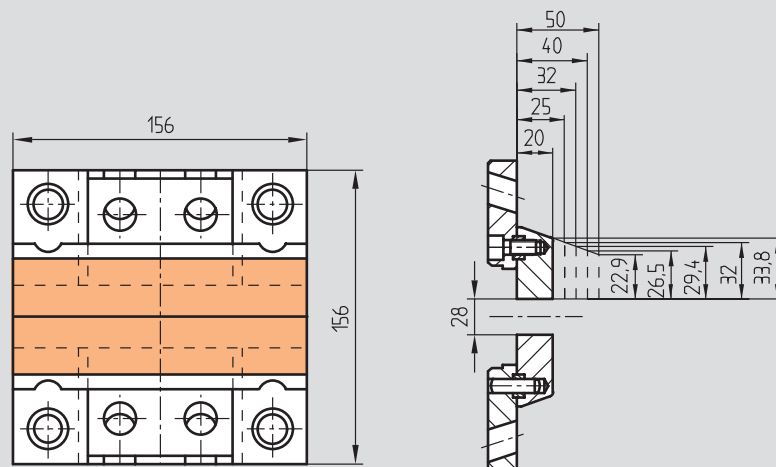
Backenwerkzeug
Split mould kit
Moule à tiroir



Pos. 14 Z31/...	Pos. 13 Z31/...	Pos. 12 Z1000W/...	Pos. 11 Z1000W/...	Pos. 9 Z010/...	t1	s2	b1	l1	s1	Nr. / No.
6x30	8x18	46x14	46x15	16x 90	18	46	156	156	20	K 2501 / 156x156x20
	8x30	56x14	56x15	16x100	23	56			25	25
		66x14	66x15		30	66			32	32
6x35	8x40	76x14	76x15		38	76			40	40
	8x50	86x14	86x15		48	86			50	50

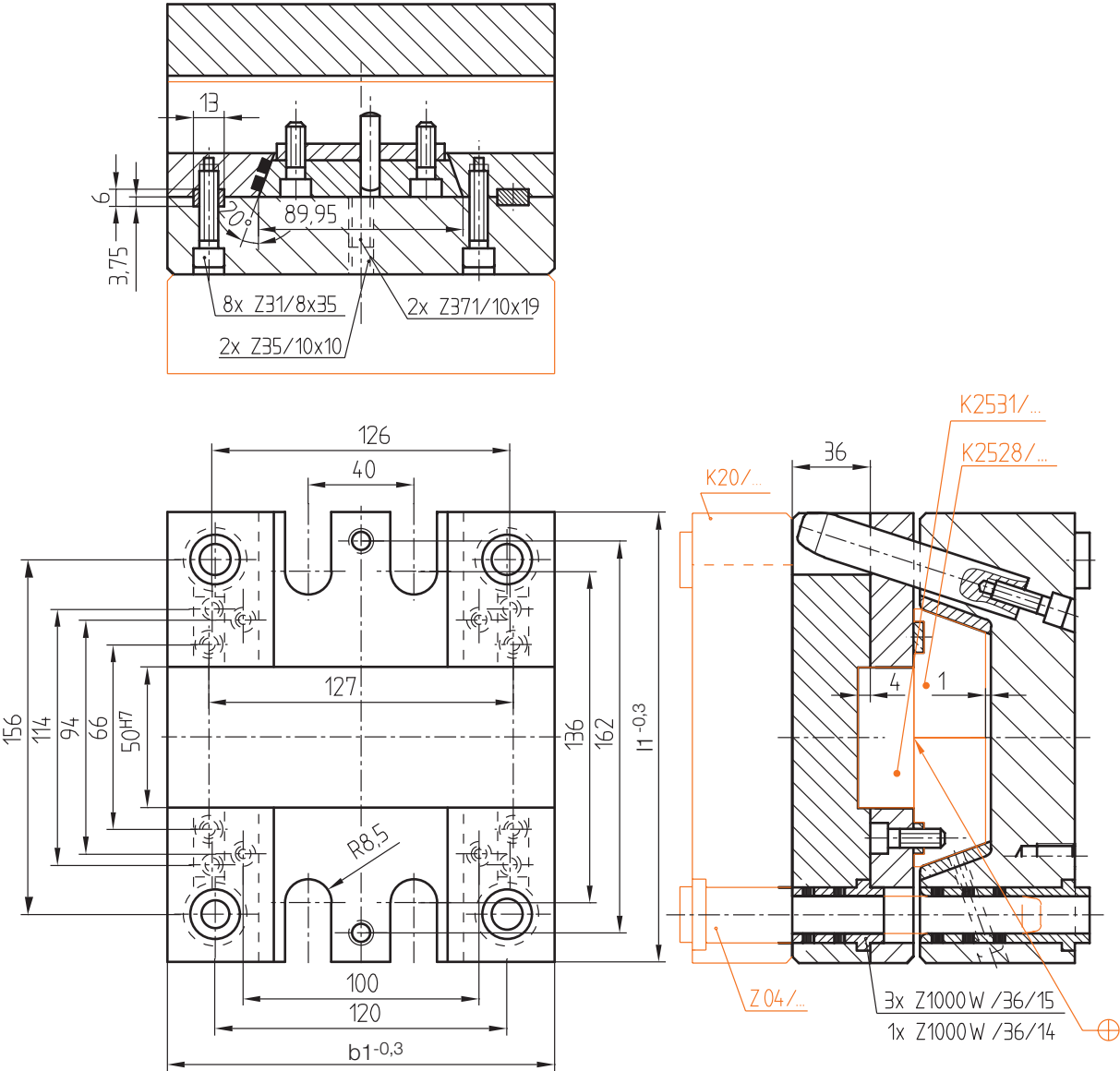


Max. Arbeitsfläche
Max. working area
Surfaces max. de travail

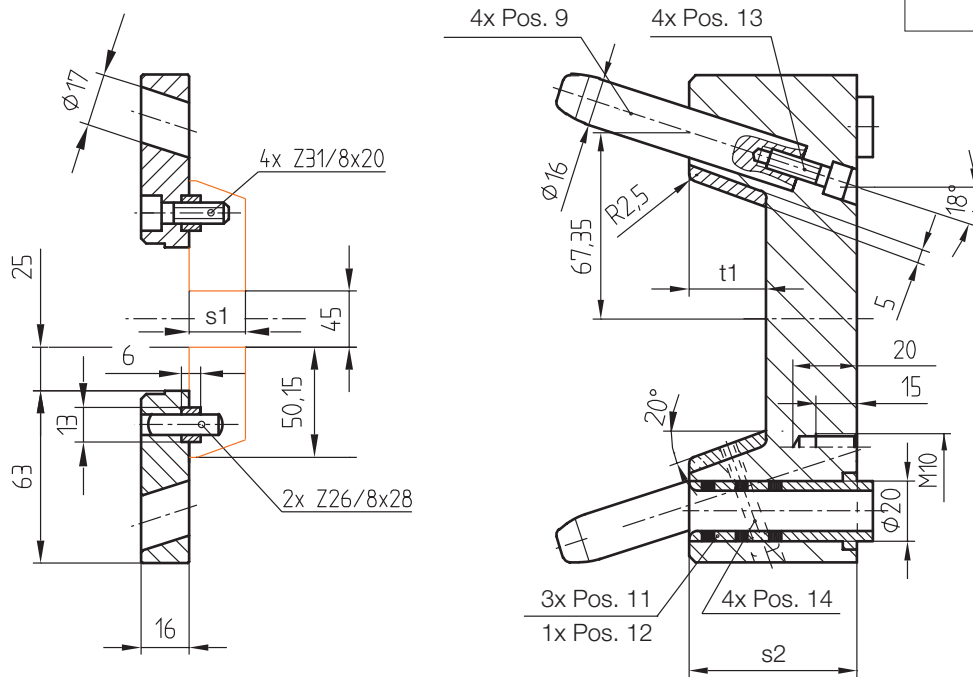


K2501/156x196

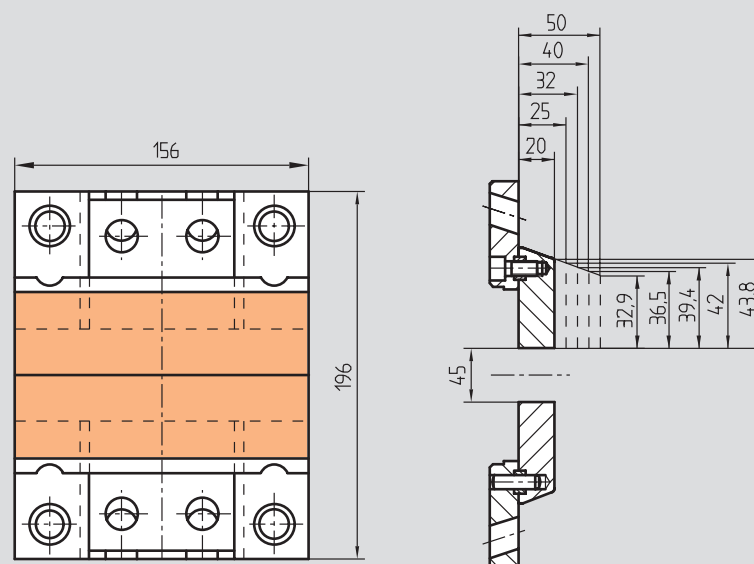
Backenwerkzeug
Split mould kit
Moule à tiroir



Pos. 14	Pos. 13	Pos. 12	Pos. 11	Pos. 9	t1	s2	b1	l1	s1	Nr. / No.
Z31/...	Z31/...	Z1000W/...	Z1000W/...	Z010/...	18	56	156	196	20	K 2501 / 156 x 196 x 20
6 x 40	8 x 25	56 x 14	56 x 15	16 x 118	23				25	25
		66 x 14	66 x 15	16 x 132	30	66			32	32
	8 x 35	76 x 14	76 x 15		38	76			40	40
6 x 45	8 x 45	86 x 14	86 x 15		48	86			50	50

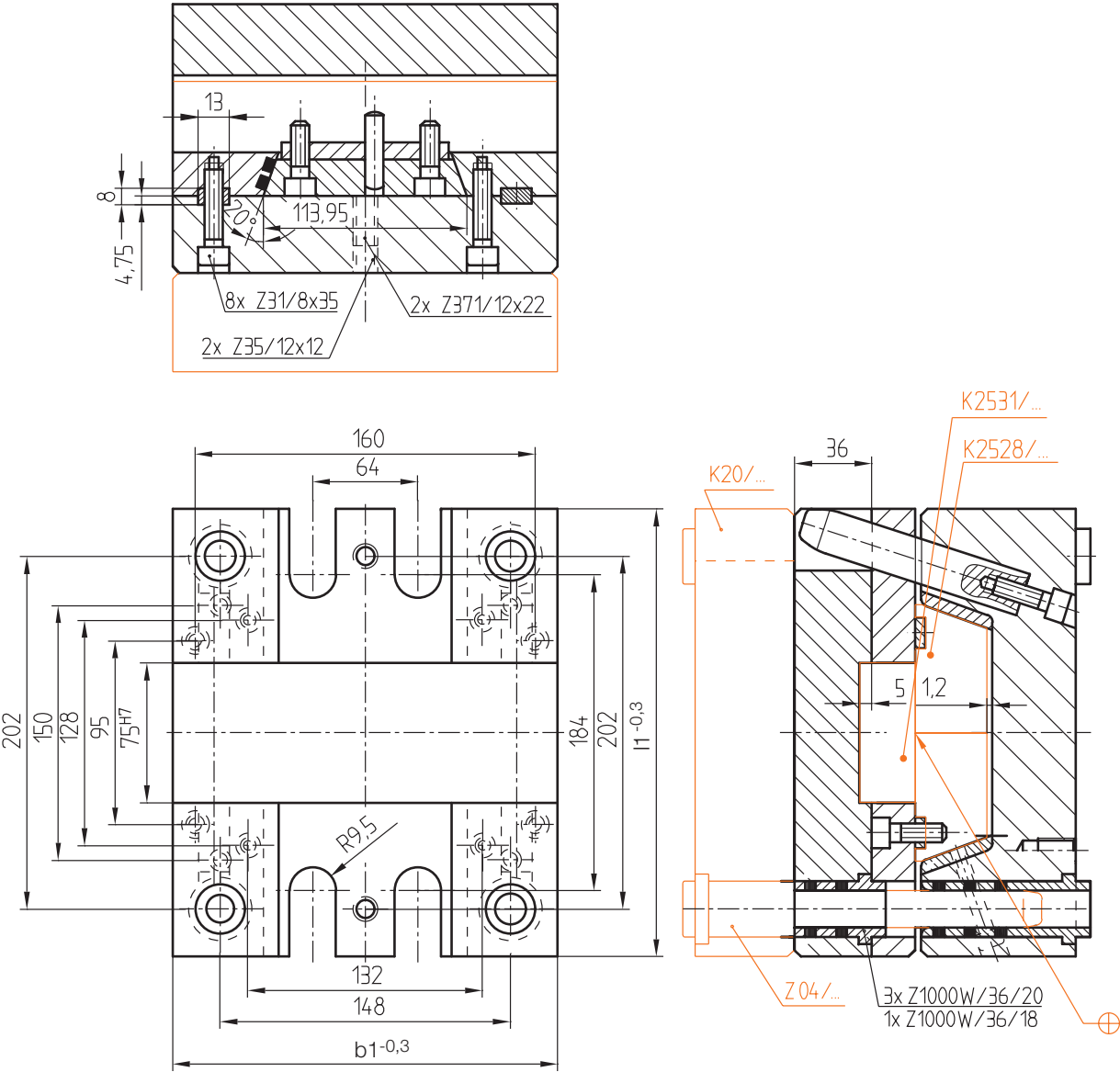


Max. Arbeitsfläche
Max. working area
Surfaces max. de travail

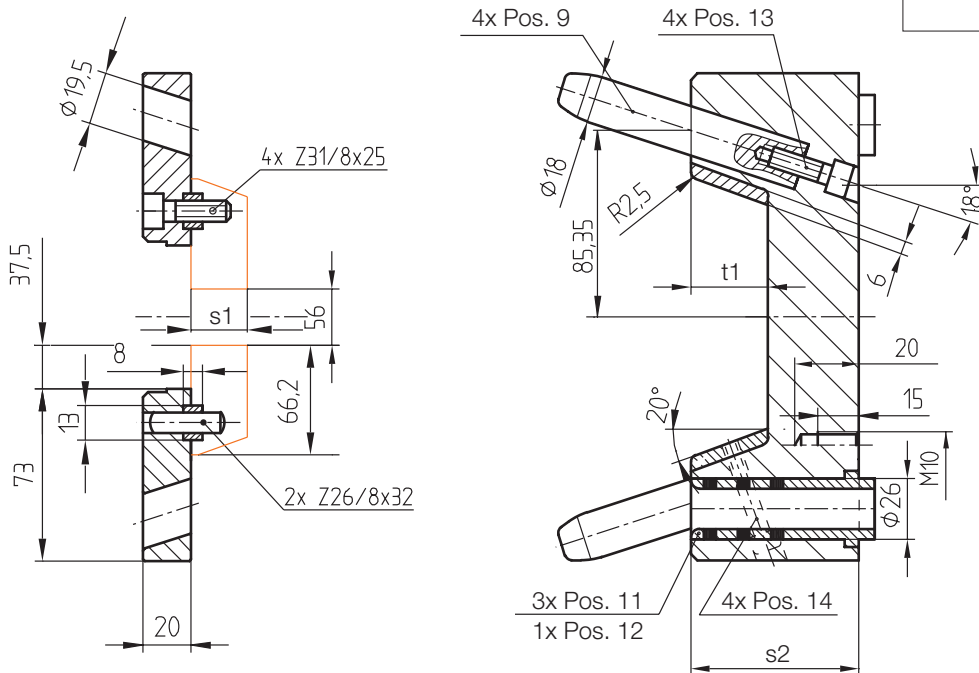


K2501/190x246

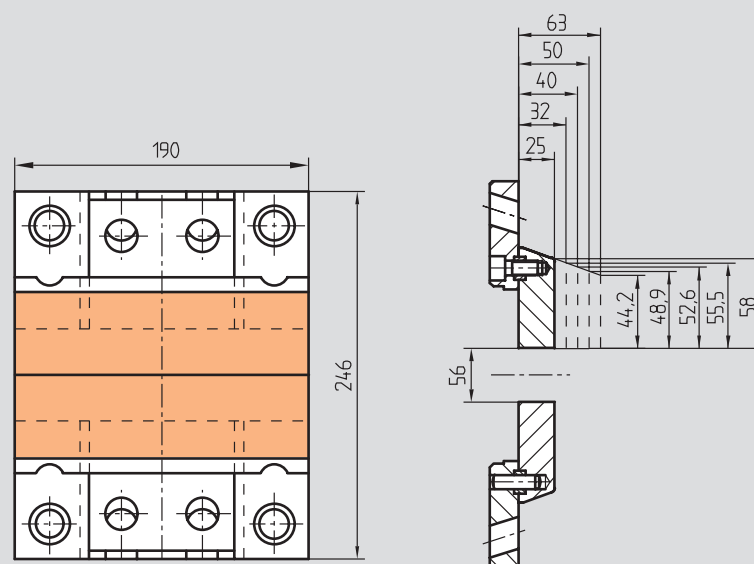
Backenwerkzeug
Split mould kit
Moule à tiroir



Pos. 14	Pos. 13	Pos. 12	Pos. 11	Pos. 9	t1	s2	b1	l1	s1	Nr. / No.
Z31/...	Z31/...	Z1000W/...	Z1000W/...	Z010/...						
6x50	10x25	66x18x145	66x20x145	18x150	23	66	190	246	25	K 2501 / 190x246x25
					30				32	32
	10x35	76x18x135	76x20x135		38	76			40	40
6x55	10x25	86x18x125	86x20x125	18x170	48	86			50	50
	10x35	96x18x95	96x20x95		61	96			63	63

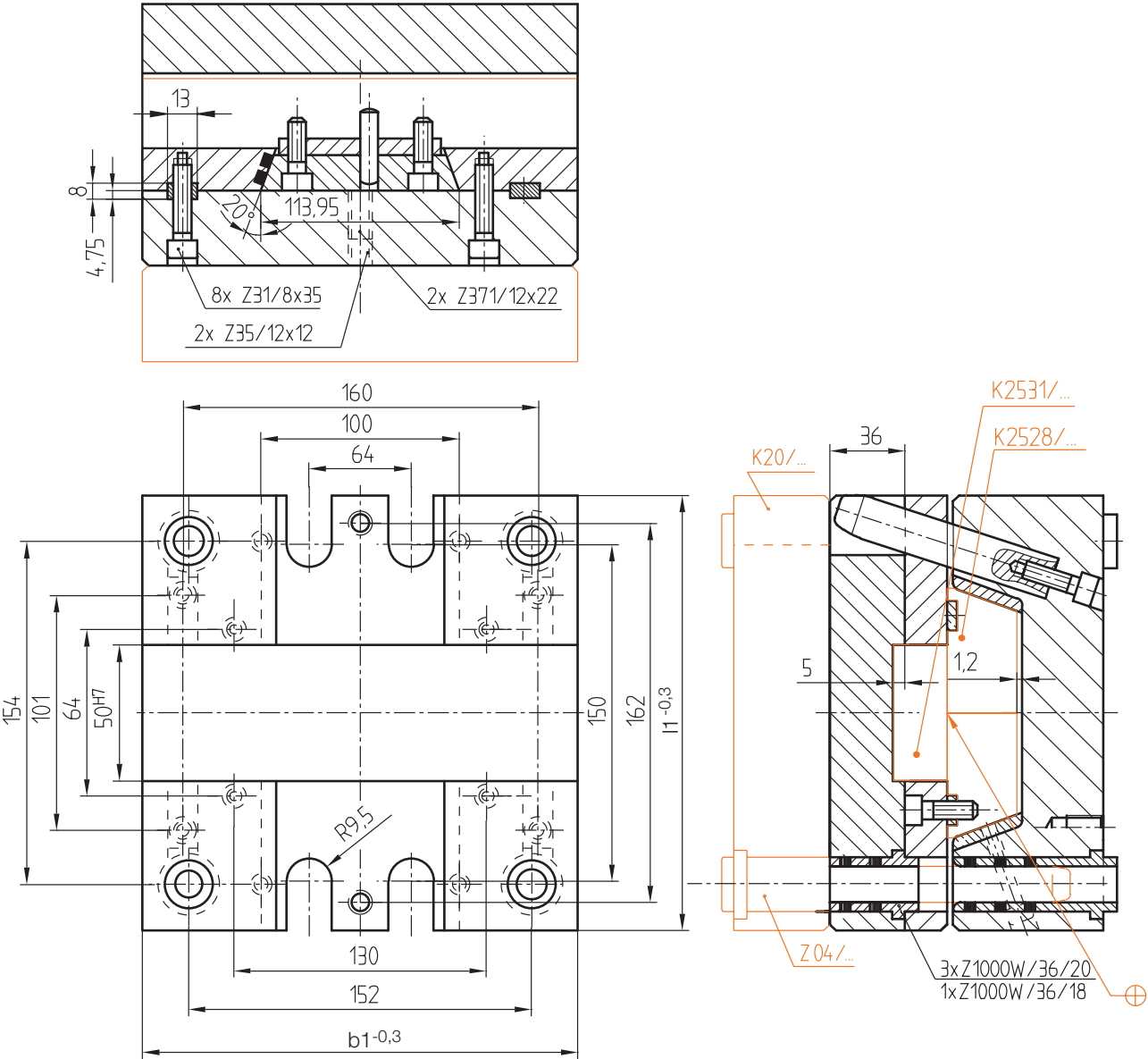


Max. Arbeitsfläche
Max. working area
Surfaces max. de travail

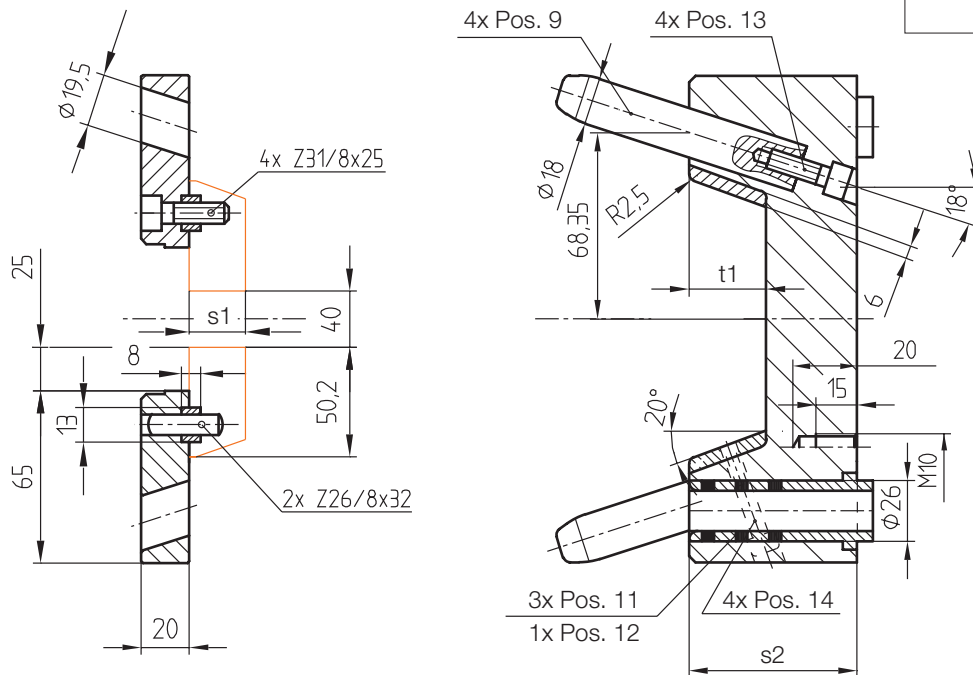


K2501/196x196

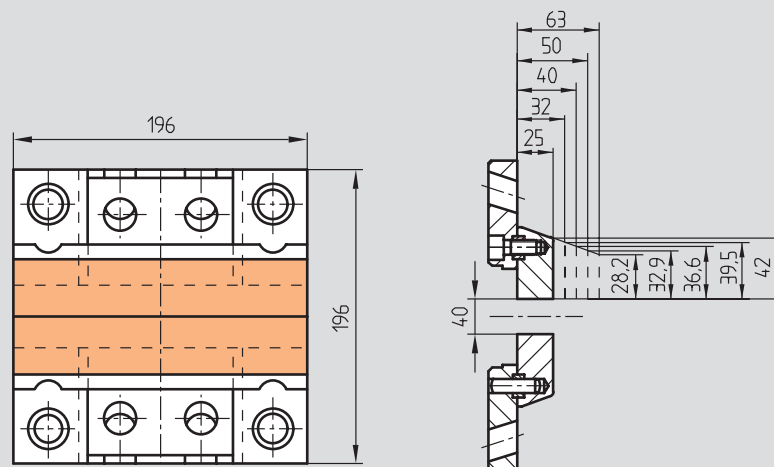
Backenwerkzeug
Split mould kit
Moule à tiroir



Pos. 14	Pos. 13	Pos. 12	Pos. 11	Pos. 9	t1	s2	b1	l1	s1	Nr. / No.
Z31/...	Z31/...	Z1000W/...	Z1000W/...	Z010/...	23	66	196	196	25	K 2501 / 196 x 196 x 25
6 x 40	10 x 25	66 x 18	66 x 20	18 x 125	30				32	32
	10 x 35	76 x 18	76 x 20		38	76			40	40
6 x 50	10 x 30	86 x 18	86 x 20	18 x 140	48	86			50	50
6 x 45	10 x 60	116 x 18	116 x 20		61	116			63	63

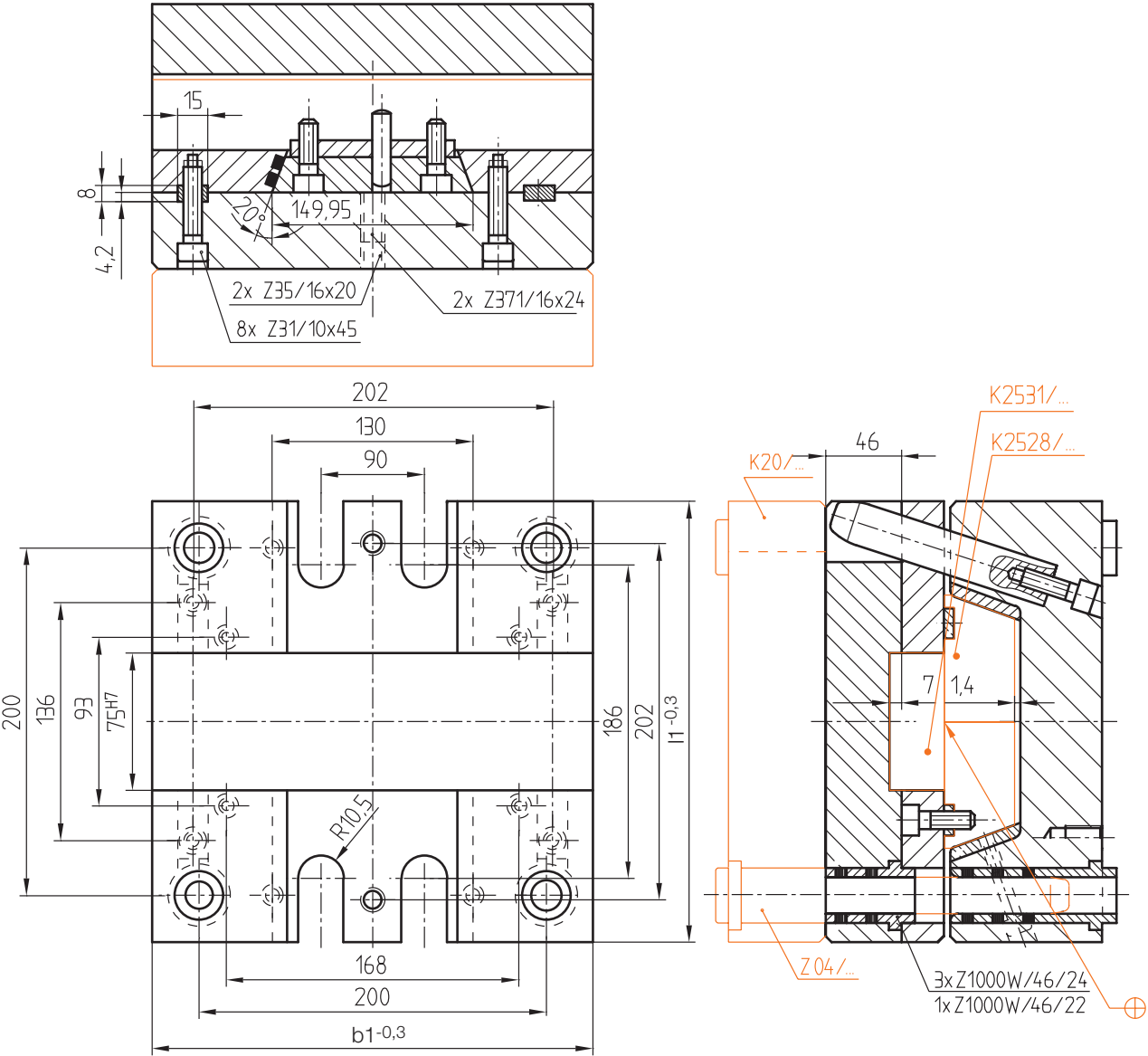


Max. Arbeitsfläche
Max. working area
Surfaces max. de travail

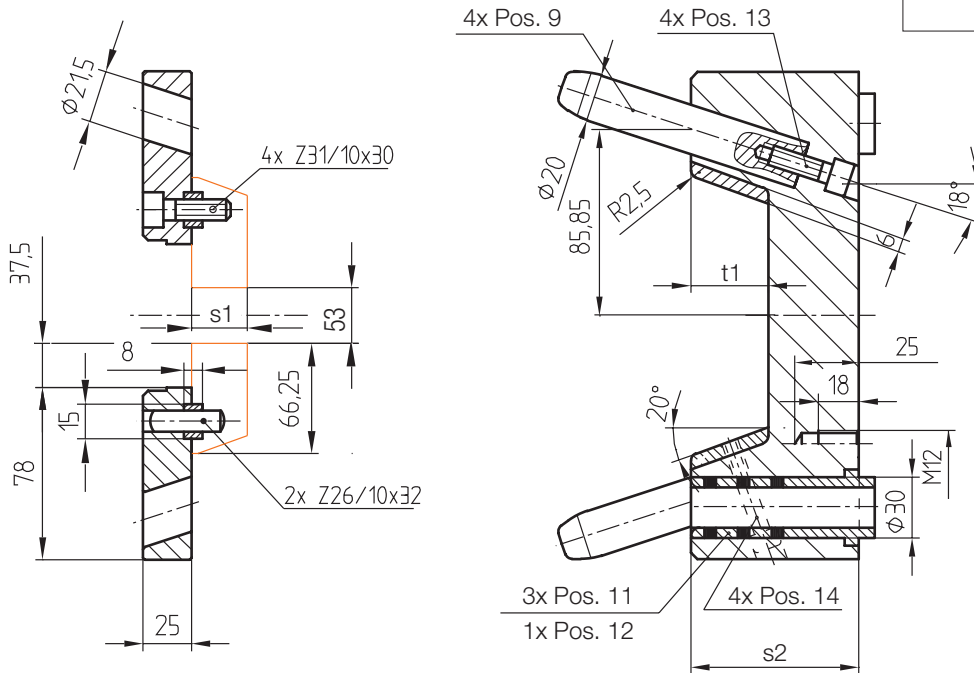
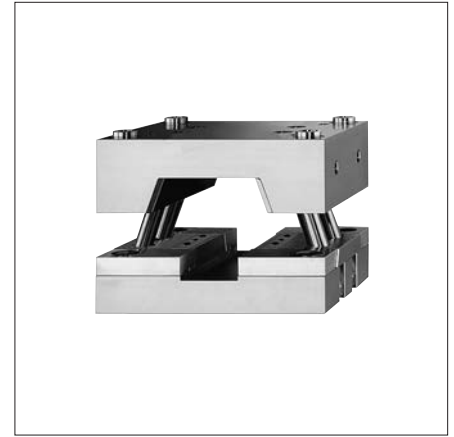


K2501/246x246

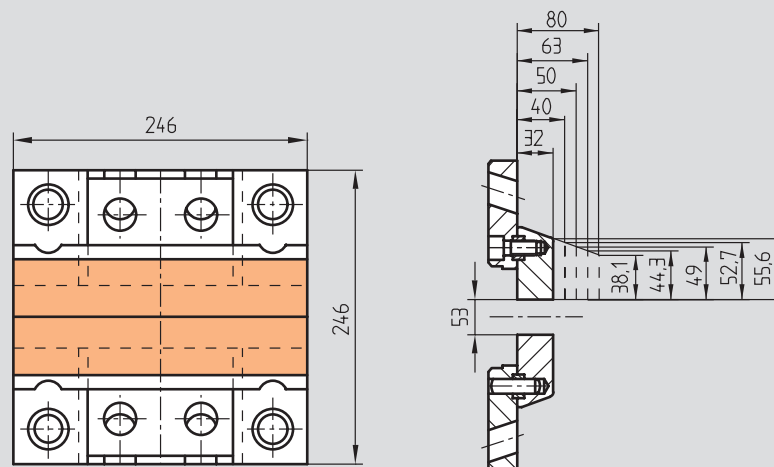
Backenwerkzeug
Split mould kit
Moule à tiroir



Pos. 14 Z31/...	Pos. 13 Z31/...	Pos. 12 Z1000W/...	Pos. 11 Z1000W/...	Pos. 9 Z010/...	t1	s2	b1	l1	s1	Nr. / No.	
6x50	10x20	66x22	66x24	20x150	30	66	246	246	32	K 2501 / 246x246x32	
	10x30	76x22	76x24	20x160	38	76			40	40	
6x55	10x20	116x22	116x24		48	76			50	50	
6x60	10x60				61	116			63	63	
	10x80	136x22	136x24		78	136			80	80	

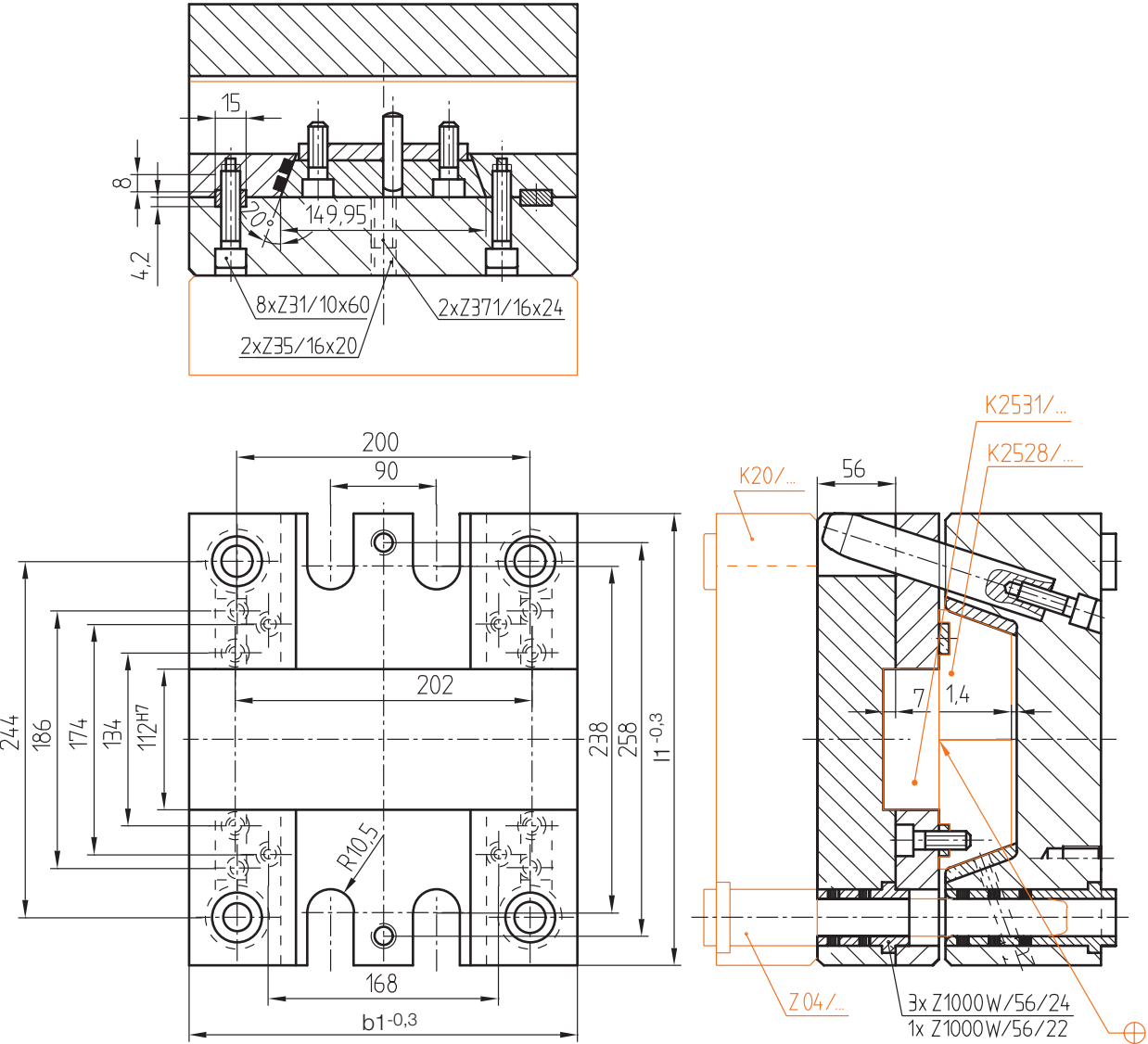


Max. Arbeitsfläche
Max. working area
Surfaces max. de travail



K2501/246x296

Backenwerkzeug
Split mould kit
Moule à tiroir

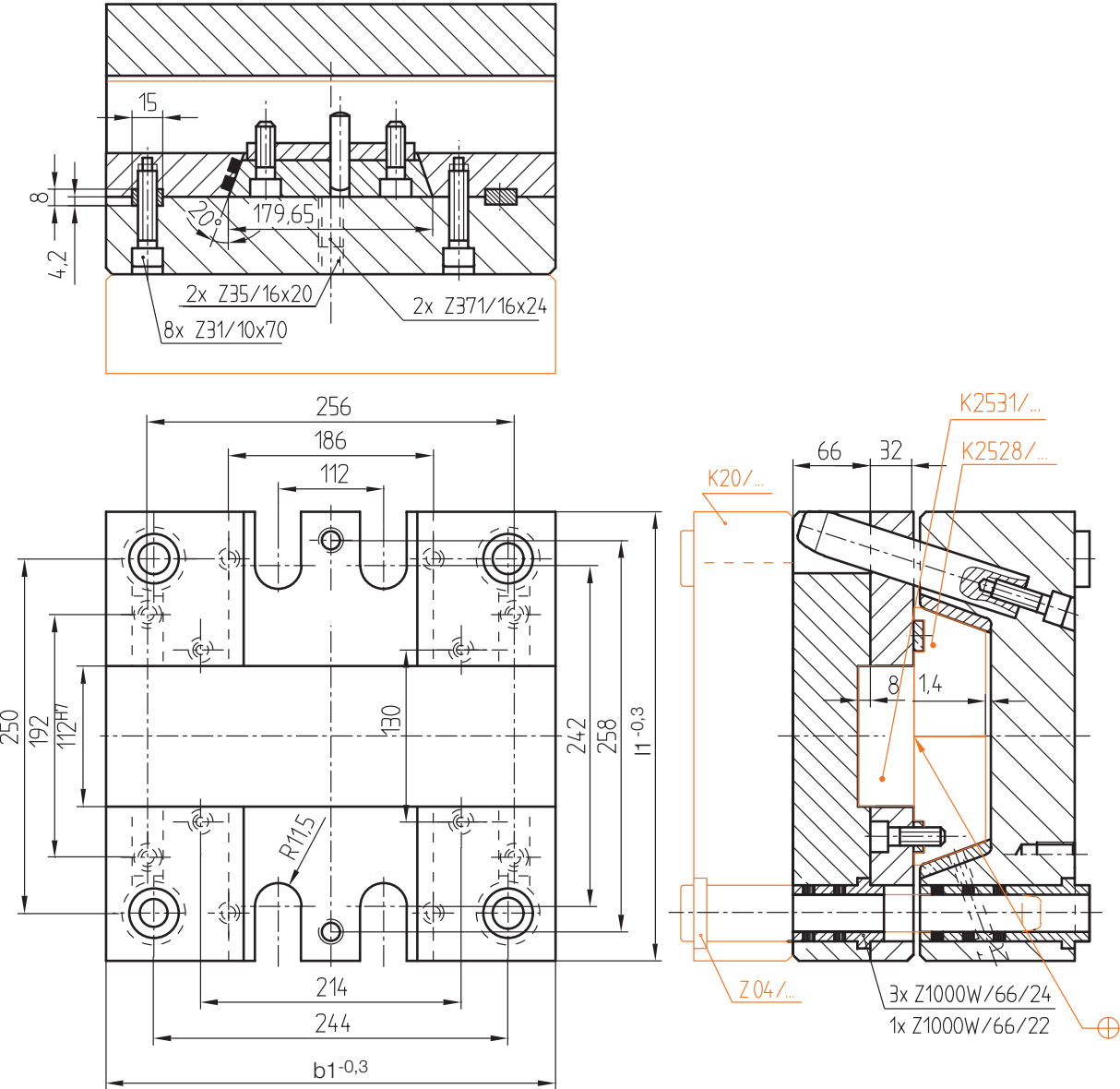


Pos. 14 Z31/...	Pos. 13 Z31/...	Pos. 12 Z1000W/...	Pos. 11 Z1000W/...	Pos. 9 Z010/...	t1	s2	b1	l1	s1	Nr. / No.
6x55	10x25	66x22	66x24	20x170	30	66	246	296	32	K 2501 / 246x296x32
	10x35	76x22	76x24		38	76			40	40
6x60	10x45	86x22	86x24		48	86			50	50
6x55	10x55	116x22	116x24	20x190	61	116			63	63
6x65	10x75	136x22	136x24		78	136			80	80



K2501/296x296

Backenwerkzeug
Split mould kit
Moule à tiroir



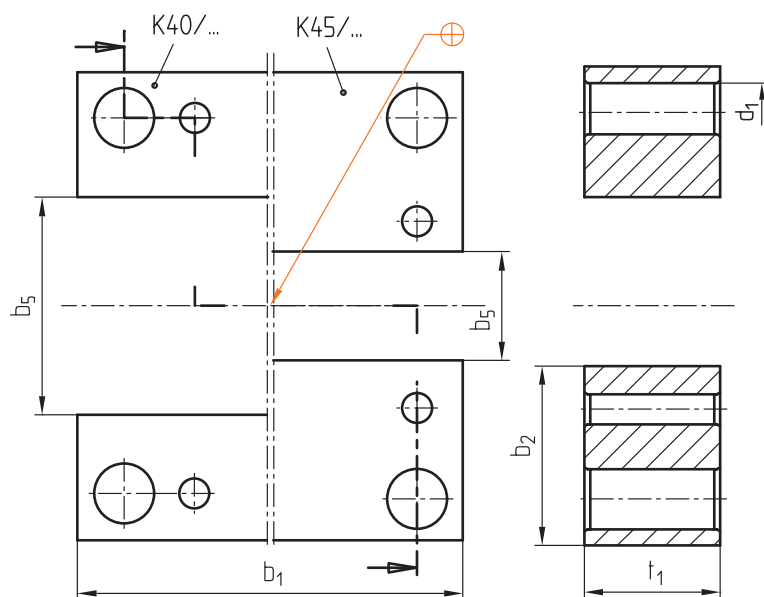
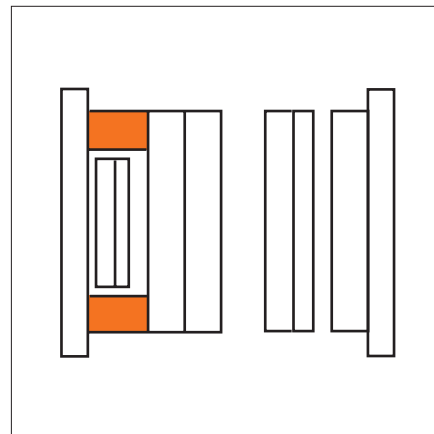
Pos. 14	Pos. 13	Pos. 12	Pos. 11	Pos. 9	t1	s2	b1	l1	s1	Nr. / No.
Z31/...	Z31/...	Z1000W/...	Z1000W/...	Z010/...						
6x55	10x35	76x22	76x24	20x170	38	76	296	296	40	K 2501 / 296 x 296 x 40
6x60					48				50	50
6x55	10x55	116x22	116x24	20x190	61	116			63	63
6x60	10x75	136x22	136x24		78	136			80	80
6x65	10x80	156x22	156x24	20x210	98	156			100	100



K40/...; K45/...

Leiste
Riser
Tasseaux

Mat.: 1.1730/640 N/mm²



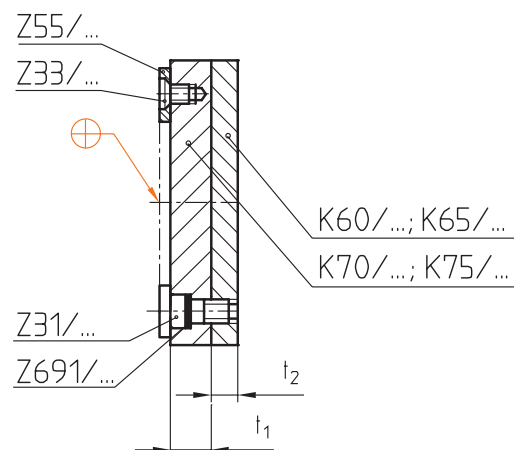
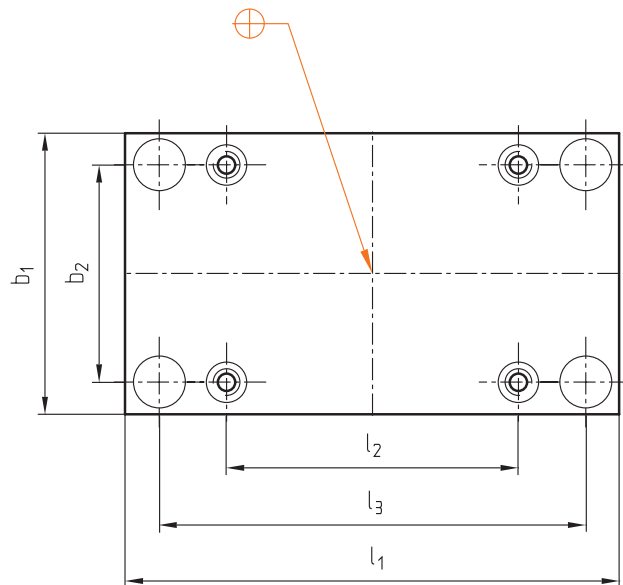
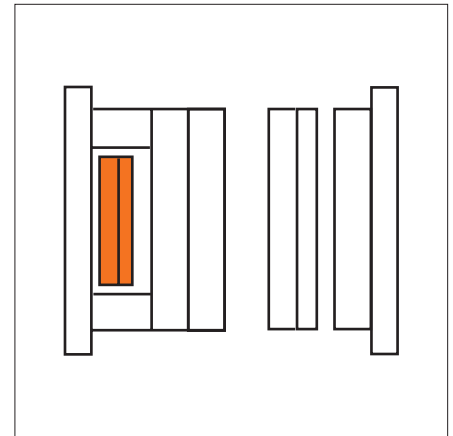
b5	b2	d1	b1	K 2500 / . . .	t1	Nr. / No.
92	32	20	156	156 x 156	46	K 40/156 x 156 x 46/1.1730
					56	56
					76	76
120	38	26	196	196 x 196	46	K 40/196 x 196 x 46/1.1730
					56	56
					76	76
160	43	30	246	246 x 246	56	K 40/246 x 246 x 56/1.1730
					76	76
					96	96
210	43	30	296	296 x 296	56	K 40/296 x 296 x 56/1.1730
					76	76
					96	96

b5	b2	d1	b1	K 2500 / . . .	t1	Nr. / No.
44	43	14	100	100 x 130	27	K 45/100 x 130 x 27/1.1730
					36	36
					46	46
92	52	20	156	156 x 196	46	K 45/156 x 196 x 46/1.1730
					56	56
					76	76
130	58	26	190	190 x 246	46	K 45/190 x 246 x 46/1.1730
					56	56
					76	76
160	68	30	246	246 x 296	56	K 45/246 x 296 x 56/1.1730
					76	76
					96	96

K60-70/...; K65-75/...

Auswerferpaket
Ejector assembly
Batterie d'éjection

Mat.: 1.1730/640 N/mm²



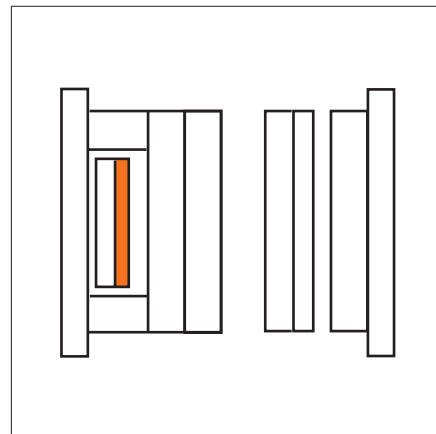
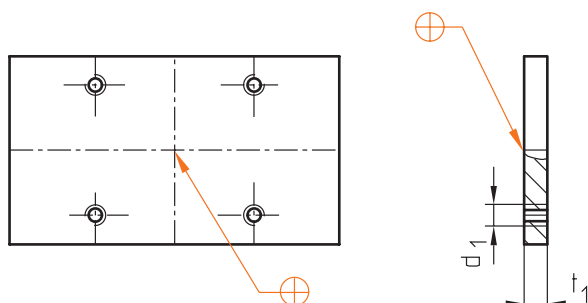
b2	b1	l3	l2	l1	t1	t2	K 2500 / . . .	Nr. / No.
68	90	136	100	156	17	9	156 x 156	K 60-70/156x156/1.1730
96	118	166	132	196		12	196 x 196	196x196/1.1730
130	158	214	180	246			246 x 246	246x246/1.1730
180	208	266	230	296			296 x 296	296x296/1.1730

b2	b1	l3	l2	l1	t1	t2	K 2500 / . . .	Nr. / No.
22	42	75	45	100	9	6	100 x 130	K 65-75/100x130/1.1730
70	90	136	101	156	17	9	156 x 196	156x196/1.1730
106	128	168	133	190		12	190 x 246	190x246/1.1730
130	158	217	181	246			246 x 296	246x296/1.1730

K60/...; K65/...

Auswerferhalteplatte
Ejector retainer plate
Plaque d'éjecteur

Mat.: 1.1730/640 N/mm²



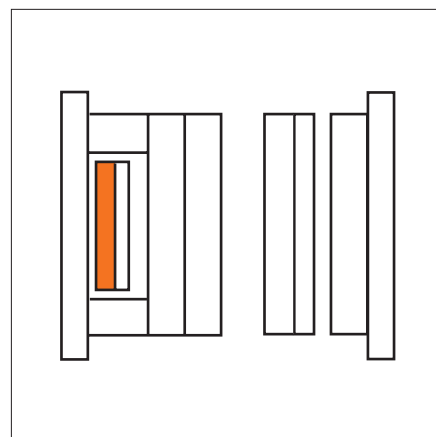
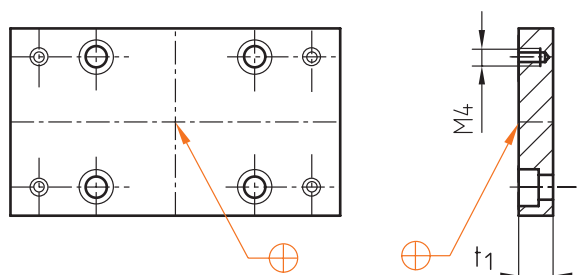
d1	K 2500 / . . .	t1	Nr. / No.
M8	156 x 156	9	K 60/156x156x 9/1.1730
	196 x 196	12	196x196x12/1.1730
	246 x 246		246x246x12/1.1730
	296 x 296		296x296x12/1.1730

d1	K 2500 / . . .	t1	Nr. / No.
M5	100 x 130	6	K 65/100x130x 6/1.1730
M8	156 x 196	9	156x196x 9/1.1730
	190 x 246	12	190x246x12/1.1730
	246 x 296		246x296x12/1.1730

K70/...; K75/...

Auswerfergrundplatte
Ejector base plate
Contre-plaque d'éjecteur

Mat.: 1.2312/1080 N/mm²



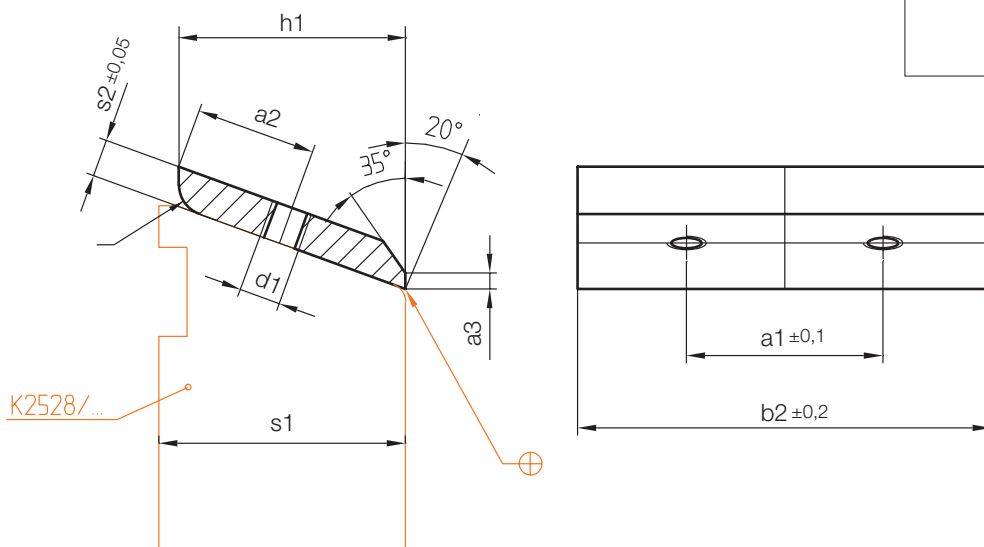
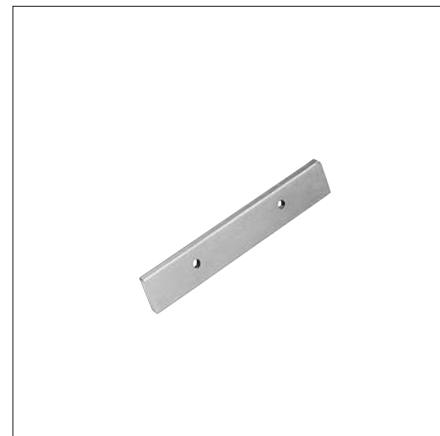
K 2500 / . . .	t1	Nr. / No.
156 x 156	17	K 70/156x156x 17/1.2312
196 x 196		196x196x 17/1.2312
246 x 246		246x246x 17/1.2312
296 x 296		296x296x 17/1.2312

K 2500 / . . .	t1	Nr. / No.
100 x 130	9	K 75/100x130x 9/1.2312
156 x 196	17	156x196x 17/1.2312
190 x 246		190x246x 17/1.2312
246 x 296		246x296x 17/1.2312

K2526/...

Druckplatte, mit Aufmaß
Wear plate, with machining allowance
Plaque de pression, avec surcote

Mat.: 1.2842/53+2HRC

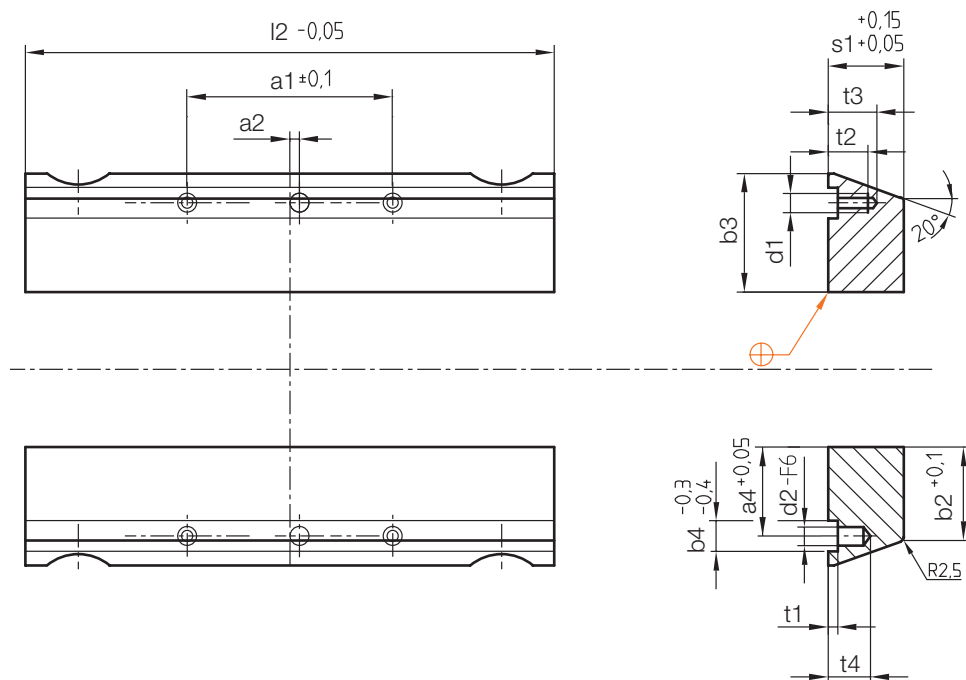
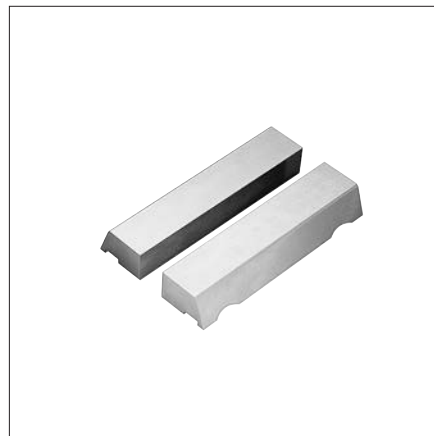


r1	h1	s2	a3	a2	a1	b2	d1	K 2500/...; K 2501/...		s1	Mat.	Nr. / No.	
2	14	4,2	2,3	8	52	98,5	M5	100	130	16	1.2842	K 2526/100 x 130 x	16/1.2842
	18			20						20			
	23			25						25			
	30			32						32			
	38			40						40			
	2,5			18						5,2		3	10
23	25	25											
30	32	32											
38	40	40											
48	50	50											
23	6,2	3,5	13	100	188,5	190	246	25	K 2526/190 x 246 x		25/1.2842		
30			32					32					
38			40					40					
48			50					50					
61			63					63					
23			13					194,5	196	196	25	K 2526/196 x 196 x	25/1.2842
30			32								32		
38			40								40		
48			50								50		
61			63								63		
30			17					244,5	246	246 (296)	32	K 2526/246 x 246 x	32/1.2842
38			40								40		
48			50								50		
61			63								63		
78	80	80											
38	21	160	294,5	296	296	40	K 2526/296 x 296 x	40/1.2842					
48	50					50							
61	63					63							
78	80					80							
98	100					100							

K2528/...

Backe
Split
Tiroir

Mat.: 1.2767

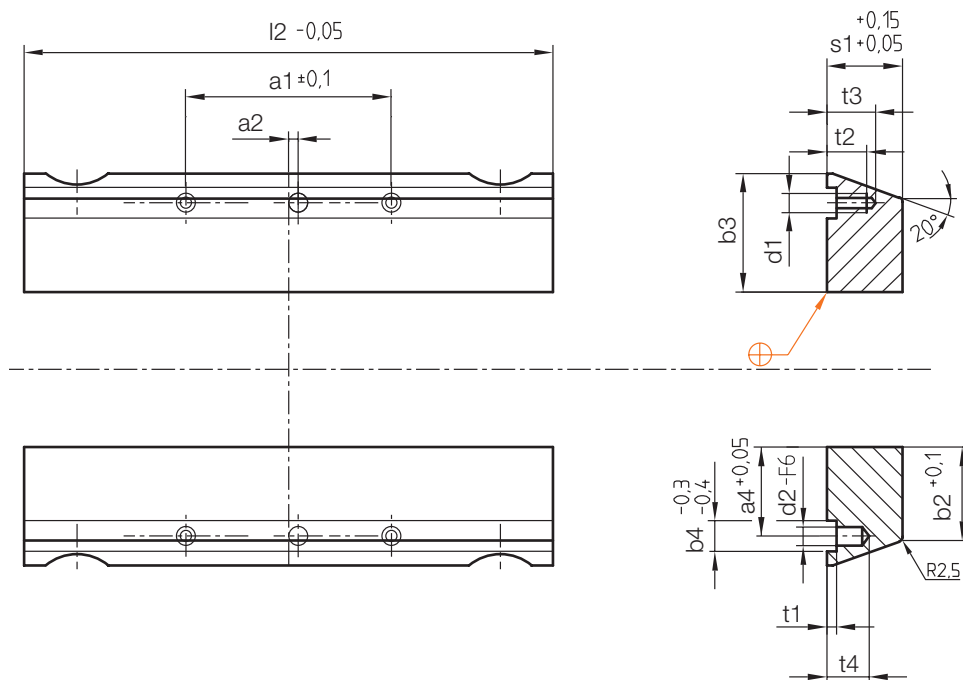
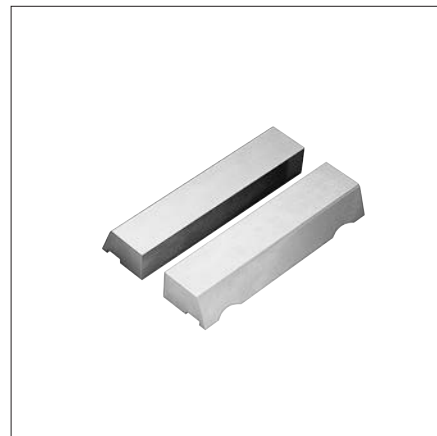


														K 2500 /...; K 2501 /...			Mat.	Nr. / No.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																				
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K2528/...

Backe
Split
Tiroir

Mat.: 1.2767

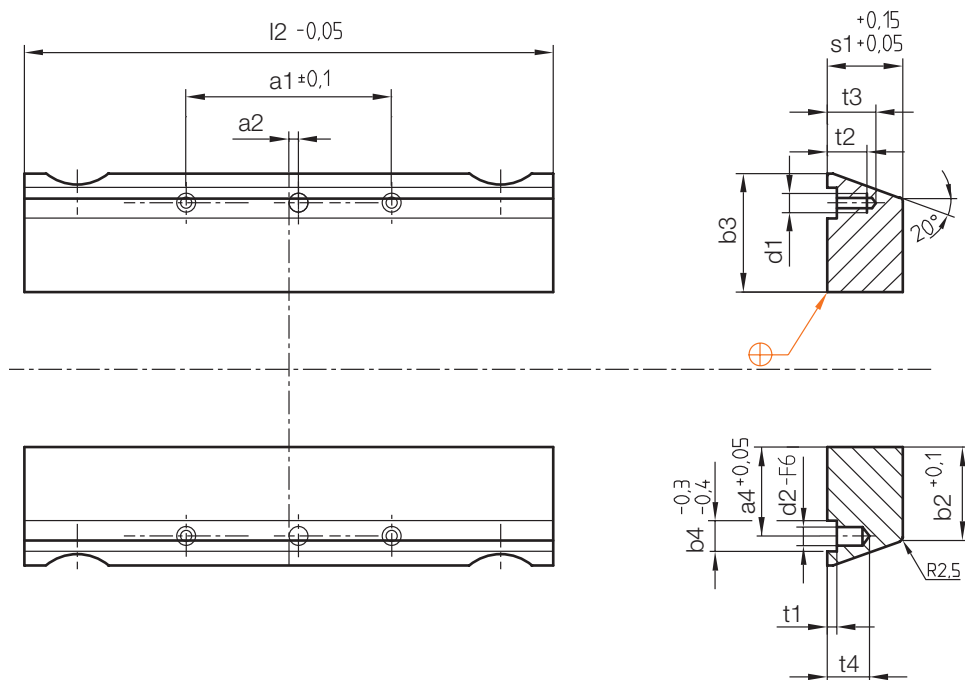
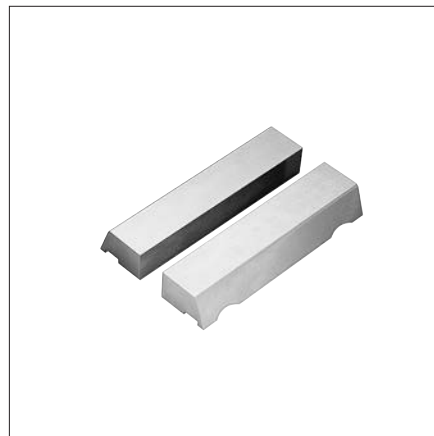


														K 2500/...; K 2501/...			Mat.	Nr. / No.	
t4	t3	t2	t1	a4	a2	a1	b4	b3	b2	l2	d2	d1	b1	l1	s1				
18	23	17	4,2	37,7	4	80	13	50,2	42	195,7	8	M8	196	196	25	1.2767	K 2528/196 x 196 x	25 / 1.2767	
									39,5						32			32	
									36,6						40			40	
									32,9						50			50	
									28,2						63			63	
20	25	19		52,25	5	106	15	66,25	55,6	245,7	10	M10	246	246	32		K 2528/246 x 246 x	32 / 1.2767	
									52,7						40			40	
									49						50			50	
									44,3						63			63	
									38,1						80			80	
				73,25				90,25	79,6				246	296	32		K 2528/246 x 296 x	32 / 1.2767	
									76,7						40			40	
									73						50			50	
									68,3						63			63	
									62,1						80			80	
						125			76,7	295,7			296	296	40		K 2528/296 x 296 x	40 / 1.2767	
									73						50			50	
									68,3						63			63	
									62,1						80			80	
									54,8						100			100	

K2528/...

Backe
Split
Tiroir

Mat.: 1.2343 ESU

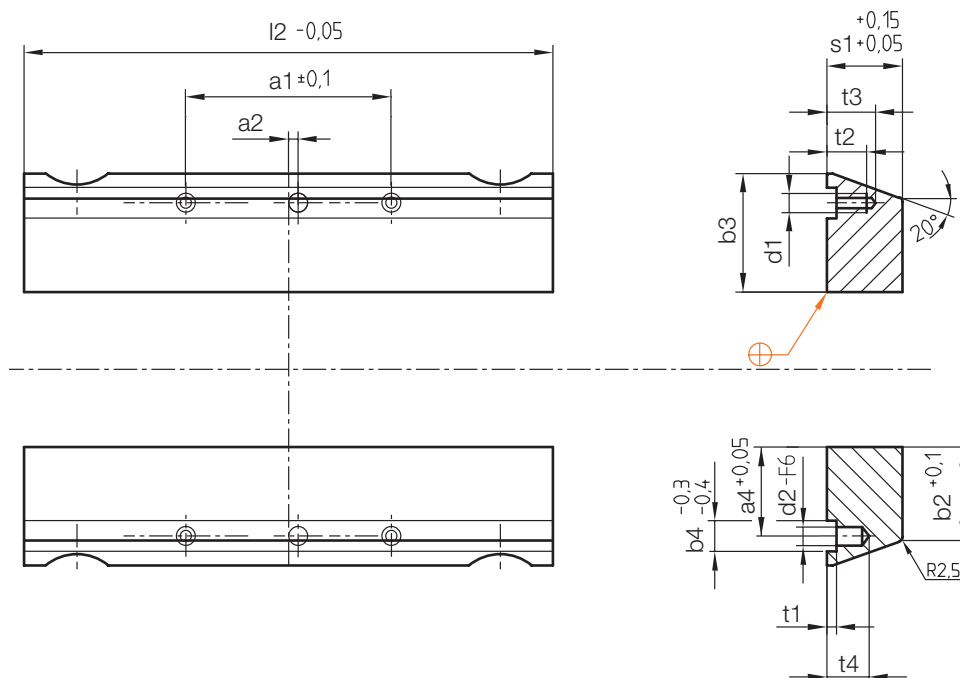
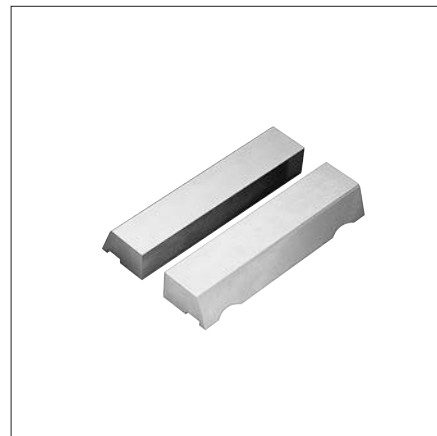


t4	t3	t2	t1	a4	a2	a1	b4	b3	b2	l2	d2	d1	K 2500/...	K 2501/...	s1	Mat.	Nr. / No.
14	14,5	12	3,2	22,4	3	28	10	31,65	26,7	99,7	6	M6	100	130	16	1.2343 ESU	K 2528/100x130x 16/1.2343 ESU
	18	14							25,3						20		20
									23,5						25		25
									20,9						32		32
									18						40		40
18	18,5	14	4,1	28,65	4	55	13	40,15	33,8	155,7	8	M8	156	156	20		K 2528/156x156x 20/1.2343 ESU
	23	17							32						25		25
									29,4						32		32
									26,5						40		40
									22,9						50		50
	18,5	14		37,65				50,15	43,8				156	196	20		K 2528/156x196x 20/1.2343 ESU
	23	17							42						25		25
									39,4						32		32
									36,5						40		40
									32,9						50		50
			4,2	52,2		80		66,2	58	189,7			190	246	25		K 2528/190x246x 25/1.2343 ESU
									55,5						32		32
									52,6						40		40
									48,9						50		50
									44,2						63		63

K2528/...

Backe
Split
Tiroir

Mat.: 1.2343 ESU

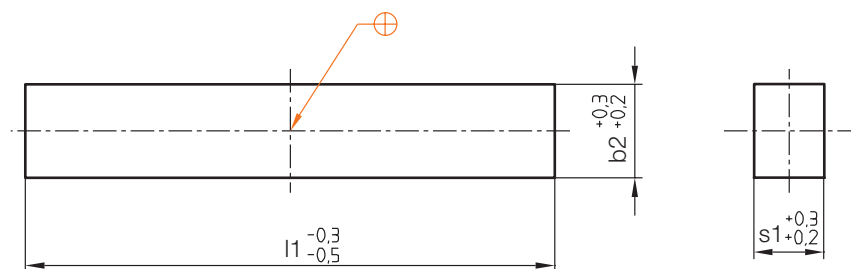
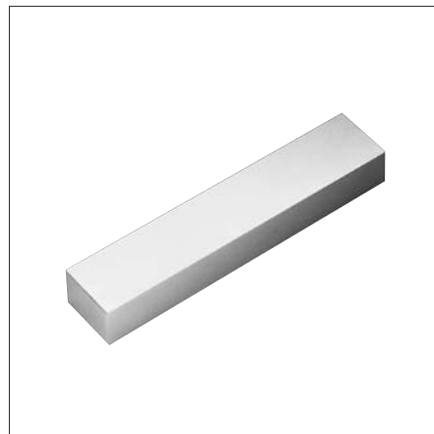


														K 2500/... K 2501/...					Nr. / No.	
t4	t3	t2	t1	a4	a2	a1	b4	b3	b2	l2	d2	d1	b1	l1	s1	Mat.				
18	23	17	4,2	37,7	4	80	13	50,2	42	195,7	8	M8	196	196	25	1.2343 ESU	K 2528/196 x 196 x 25 / 1.2343 ESU			
									39,5						32		32			
									36,6						40		40			
									32,9						50		50			
									28,2						63		63			
20	25	19		52,25	5	106	15	66,25	55,6	245,7	10	M10	246	246	32		K 2528/246 x 246 x 32 / 1.2343 ESU			
									52,7						40		40			
									49						50		50			
									44,3						63		63			
									38,1						80		80			
				73,25				90,25	79,6				246	296	32		K 2528/246 x 296 x 32 / 1.2343 ESU			
									76,7						40		40			
									73						50		50			
									68,3						63		63			
									62,1						80		80			
						125			76,7	295,7			296	296	40		K 2528/296 x 296 x 40 / 1.2343 ESU			
									73						50		50			
									68,3						63		63			
									62,1						80		80			
									54,8						100		100			

K2531/...

Kernhalteinsatz
Core retainer insert
Support de noyau

Mat.: 1.2767/880 N/mm²

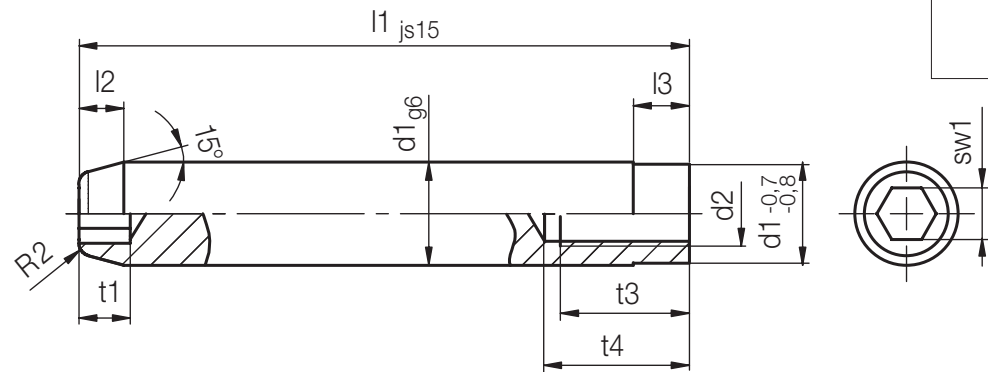
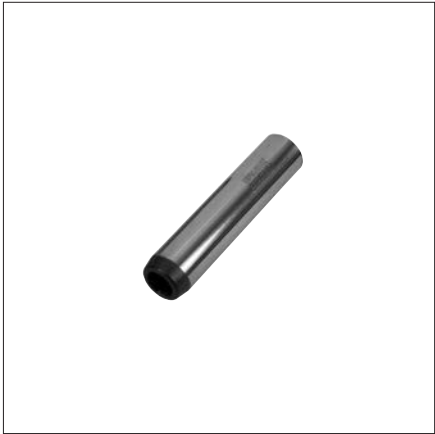


K 2500/...; K 2501/...		s1	Mat.	Nr. / No.
b2	b1			
25	100	130	1.2767	K 2531 / 100 x 130 x 18 / 1.2767
34	156	156		156 x 156 x 20
50	156	196		156 x 196 x 20
75	190	246		190 x 246 x 25
50	196	196		196 x 196 x 25
75	246	246		246 x 246 x 32
112	246	296		246 x 296 x 32
	296	296		296 x 296 x 40

Z010/...

Schrägsäule
Angle Pin
Doigt incliné

Mat.: ≈ 1.0401



sw1	t1	l5	l4	l3	l2	d2	d1	l1	Nr. / No.	sw1	t1	l5	l4	l3	l2	d2	d1	l1	Nr. / No.	
5	5	5	4	15	10	M 6	10	60	Z010/10x 60	8	8	7	7	22	15	M10	20	60	Z010/20x 60	
								80	80									70	70	
								100	100									80	80	
								12	60									Z010/12x 60	90	90
									80									80	100	100
									100									100	120	120
							120		120								140	140		
							14	50	Z010/14x 50								150	150		
								60	60								160	160		
								67	67								170	170		
								70	70								180	180		
								75	75								190	190		
								80	80								210	210		
								90	90								22	70	Z010/22x 70	
100	100	80	80																	
6	6	5,5	7	18	12	M 8	15	50	Z010/15x 50	10	10	25	18	M12	24	70	Z010/24x 70			
								60	60							80	80			
								70	70							90	90			
								80	80							100	100			
								90	90							120	120			
								16	80							Z010/16x 80	140	140		
							90		90						160	160				
							100		100						200	200				
							118		118						220	220				
							120		120						M16	30	80	Z010/30x 80		
							132		132								90	90		
							140		140								100	100		
							140		140								120	120		
							160	160	140								140			
8	8	6	22	15	M10	18	60	Z010/18x 60	14	14	25	18	M16	30			80	Z010/30x 80		
							70	70							90	90				
							80	80							100	100				
							90	90							120	120				
							100	100							140	140				
							32	125						125	80	Z010/32x 80				
								140						140	90	90				
								150						150	100	100				
								170						170	120	120				
															140	140				



*Ermöglicher für Kompetenz
Enabler for competence*



***Ich lebe
Formenbau –
zu 100%.***

- Persönliche Betreuung bei Bestellung und Abwicklung
- Ansprechpartner mit Formenbau- und Spritzgusskompetenz
- Antwortzeiten 90% innerhalb von 2 Stunden

***My life is
focused
100% on
mouldmaking.***

- Reliable processes - from order to delivery
- Personal support when you need mouldmaking and injection moulding competence
- 90% of answering response times less than 2 hours

HASCO

Ermöglichen mit System.

KR / PR

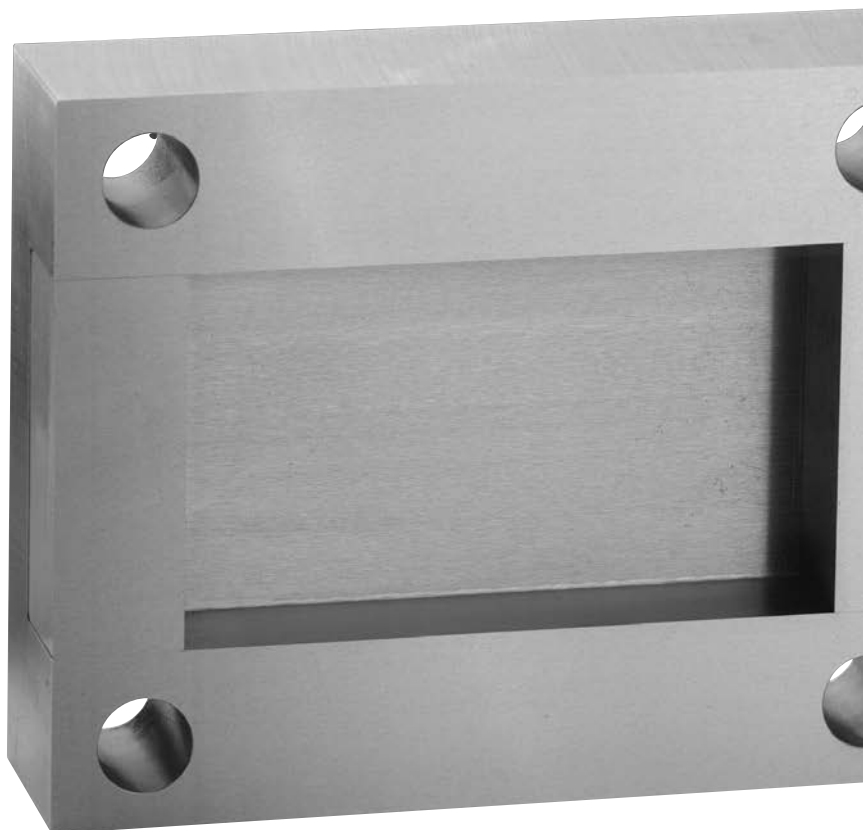
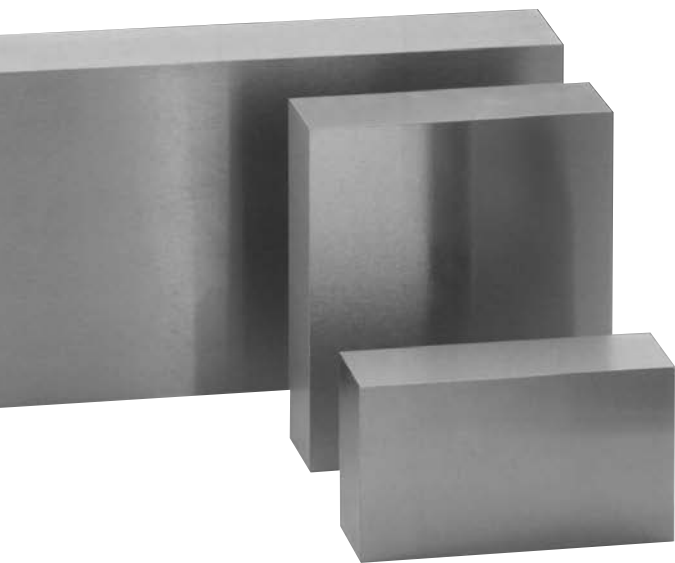
Einsatz-Baukastensystem
Insert-Modular System
Système modulaire d'insert

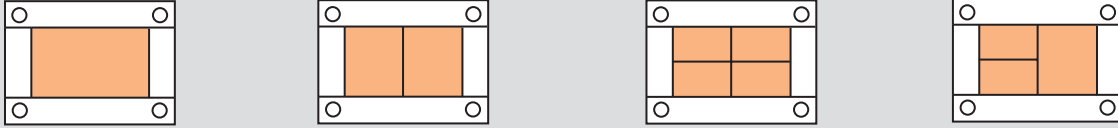
KR 25/... Rahmenformplatte finden Sie im Register Platten.

KR 25/... bolster plate, please refer to the plates-section.

Vous trouverez plaque porte-empreinte avec logement

KR 25/... à le répertoire des plaques.



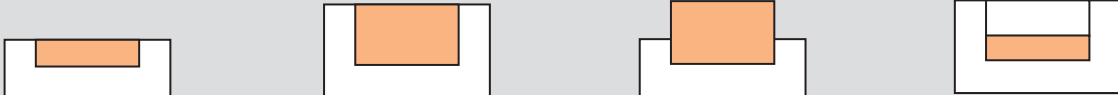


Durch die systematische maßliche Abstufung der Einsätze sind diese beliebig kombinierbar. Die Arbeitsfläche läßt sich entsprechend der fertigungstechnischen Gegebenheiten unterteilen.

Because of their systematically graded sizing, the inserts can be combined as desired. The working surface can be subdivided in accordance with manufacturing conditions.

L'échelle dimensionnelle systématique des inserts permet de les combiner à volonté. La surface de travail peut être subdivisée en fonction des besoins de la fabrication.

Die Einsatzdicken entsprechen den

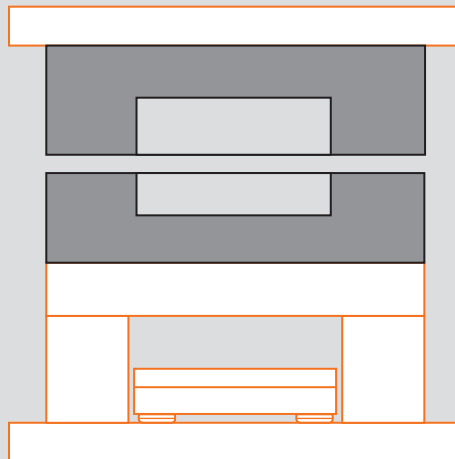


Aufnahmen der Formplatten. Sie sind ebenfalls beliebig kombinierbar, wenn z. B. Konturbereiche in die Gegenseite ragen müssen.

The thicknesses of the inserts correspond to the pockets of the cavity plates. They can also be combined as desired, e.g. if cavity contours have to project into the opposite side.

Les épaisseurs des inserts correspondent aux parties appropriées des plaques porte-empreintes. Elles peuvent également être combinées à volonté lorsque les contours doivent par ex. pénétrer dans la partie opposée.

Die zusätzlich zur Komplettierung

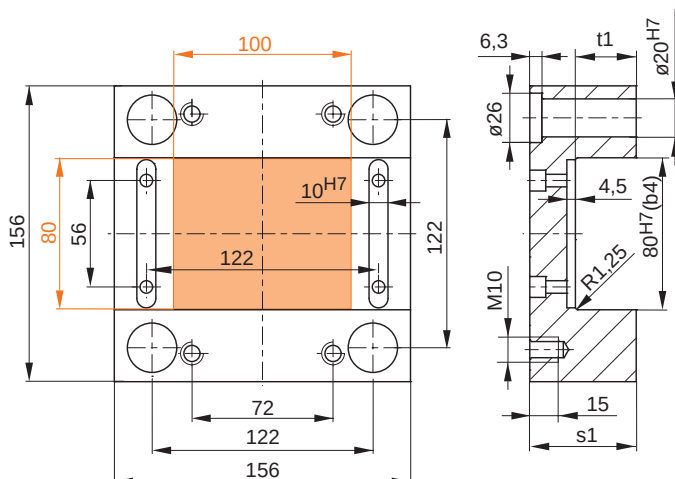


der Werkzeuge erforderlichen Bauteile sowie technische Information und Anwendungsbeispiele sind im HASCO-Gesamtkatalog aufgeführt.

The HASCO catalogue contains the additional components required to complete the mould, technical information and examples of application.

Les éléments supplémentaires nécessaires pour compléter les moules ainsi que des informations techniques et les domaines d'application sont donnés dans le catalogue général HASCO.

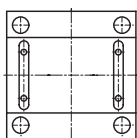
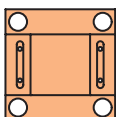
156 x 156



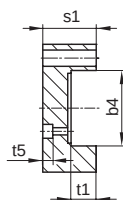
Bestellbeispiel:
Ordering example:
Exemple de commande:

KR 20 / 156 x 156 x 36 x 80 x 20 / 1.2312
PR / 40 x 50 x 20 / 1.2767

KR20

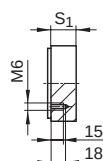
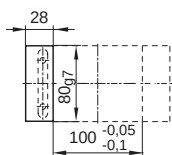
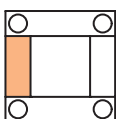


s1 = 36: t5 = 6,8
s1 ≥ 46: t5 = 8,4



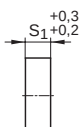
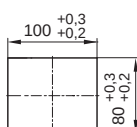
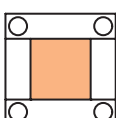
KR20 / 156x156	x	s1	x	b4	x	t1	/	1.2312
		36		80		20		■
		46				25		■
		56				32		■

KR201



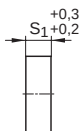
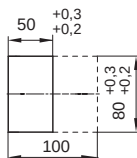
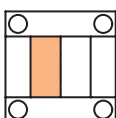
KR201 / 80x28	x	s1	/	1.2312
		20		■
		25		■
		32		■

PR



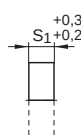
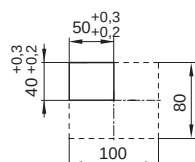
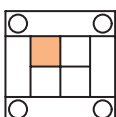
PR / 80x100	x	s1	/	1.2767	3.4365
		20		■	■
		25		■	■
		32		■	■
		40		■	■

PR



PR / 50x80	x	s1	/	1.2767	3.4365
		20		■	■
		25		■	■
		32		■	■
		40		■	■

PR

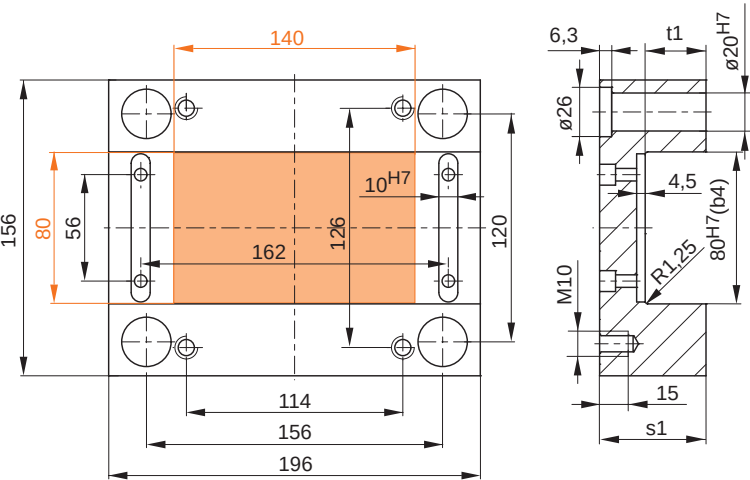


PR / 40x50	x	s1	/	1.2767	3.4365
		20		■	■
		25		■	■
		32		■	■
		40		■	■

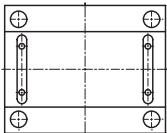
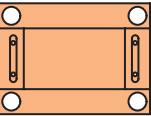
156 x 196

Bestellbeispiel:
Ordering example:
Exemple de commande:

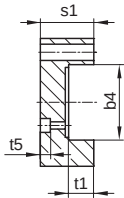
KR 20 / 156 x 196 x 36 x 80 x 20 / 1.2312
PR / 40 x 70 x 20 / 1.2767



KR20

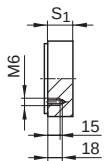
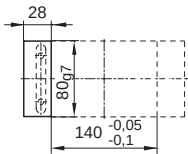
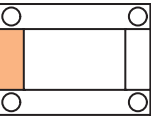


s1 = 36: t5 = 6,8
s1 ≥ 46: t5 = 8,4



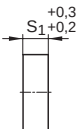
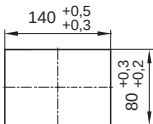
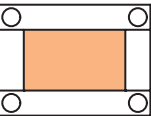
KR20 / 156x196	x	s1	x	b4	x	t1	/ 1.2312
		36		80		20	■
		46				25	■
		56				32	■

KR201



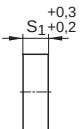
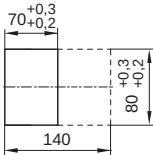
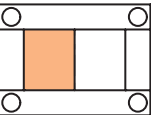
KR201 / 80x28	x	s1	/ 1.2312
		20	■
		25	■
		32	■

PR



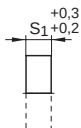
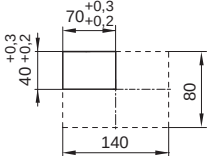
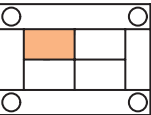
PR / 80x140	x	s1	/ 1.2767	3.4365
		20	■	■
		25	■	■
		32	■	■
		40	■	■

PR



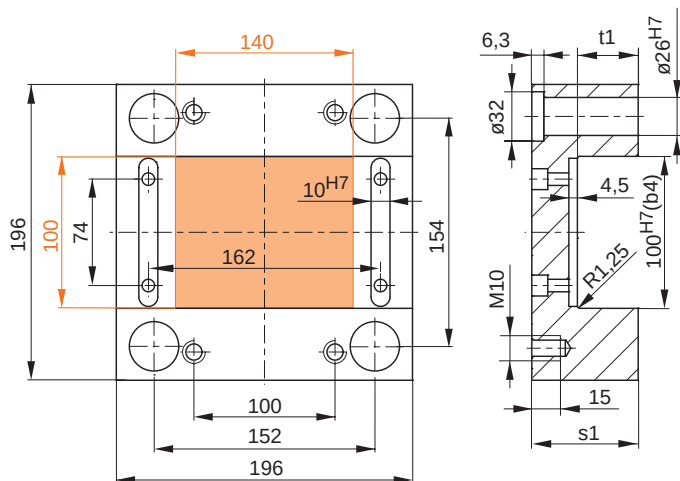
PR / 70x80	x	s1	/ 1.2767	3.4365
		20	■	■
		25	■	■
		32	■	■
		40	■	■

PR



PR / 40x70	x	s1	/ 1.2767	3.4365
		20	■	■
		25	■	■
		32	■	■
		40	■	■

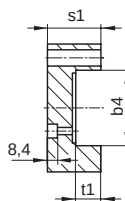
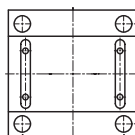
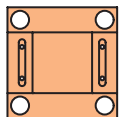
196 x 196



Bestellbeispiel:
Ordering example:
Exemple de commande:

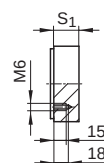
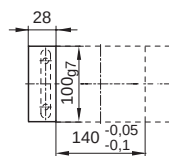
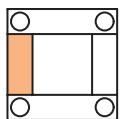
KR 20 / 196 x 196 x 46 x 100 x 25 / 1.2312
PR / 50 x 70 x 25 / 1.2767

KR20



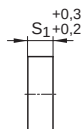
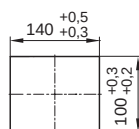
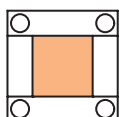
KR20 / 196x196	x	s1	x	b4	x	t1	/	1.2312
		46		100		25		■
		56				32		■
		66				40		■

KR201



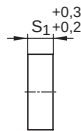
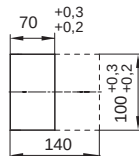
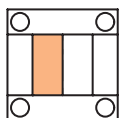
KR201 / 100x28	x	s1	/	1.2312
		25		■
		32		■
		40		■

PR



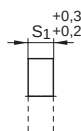
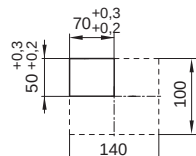
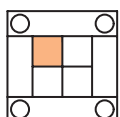
PR / 100x140	x	s1	/	1.2767	3.4365
		25		■	■
		32		■	■
		40		■	■
		50		■	■

PR



PR / 70x100	x	s1	/	1.2767	3.4365
		25		■	■
		32		■	■
		40		■	■
		50		■	■

PR

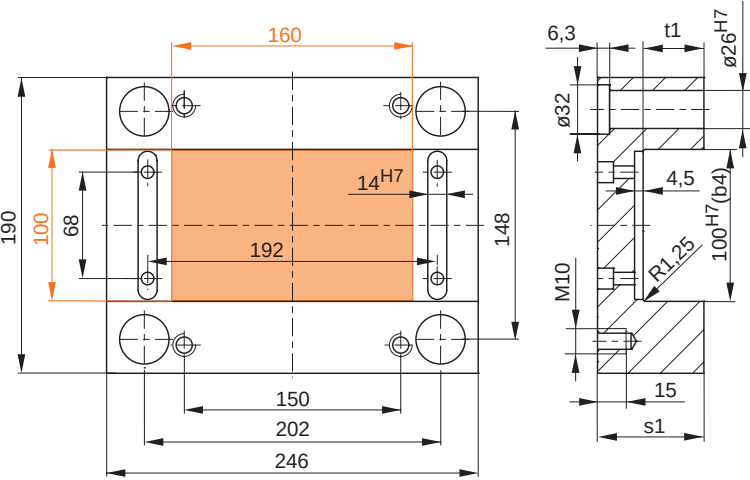


PR / 50x70	x	s1	/	1.2767	3.4365
		25		■	■
		32		■	■
		40		■	■
		50		■	■

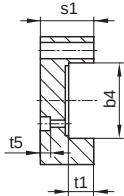
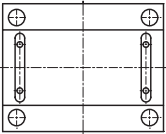
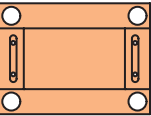
190 x 246

Bestellbeispiel:
Ordering example:
Exemple de commande:

KR 20 / 190 x 246 x 46 x 100 x 25 / 1.2312
PR / 50 x 80 x 25 / 1.2767



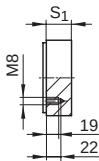
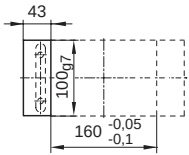
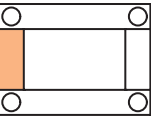
KR20



s1 = 46: t5 = 9
s1 ≥ 56: t5 = 11

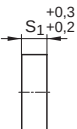
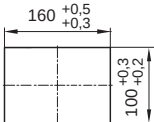
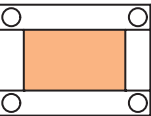
KR20 / 190x246	x	s1	x	b4	x	s1	/ 1.2312
		46		100		25	■
		56				32	■
		66				40	■

KR201



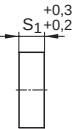
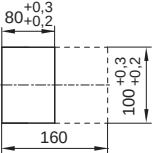
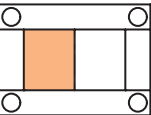
KR201 / 100x43	x	s1	/ 1.2312
		25	■
		32	■
		40	■

PR



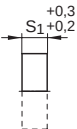
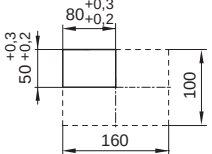
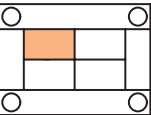
PR / 100x160	x	s1	/ 1.2767	3.4365
		25	■	■
		32	■	■
		40	■	■
		50	■	■

PR



PR / 80x100	x	s1	/ 1.2767	3.4365
		25	■	■
		32	■	■
		40	■	■
		50	■	■

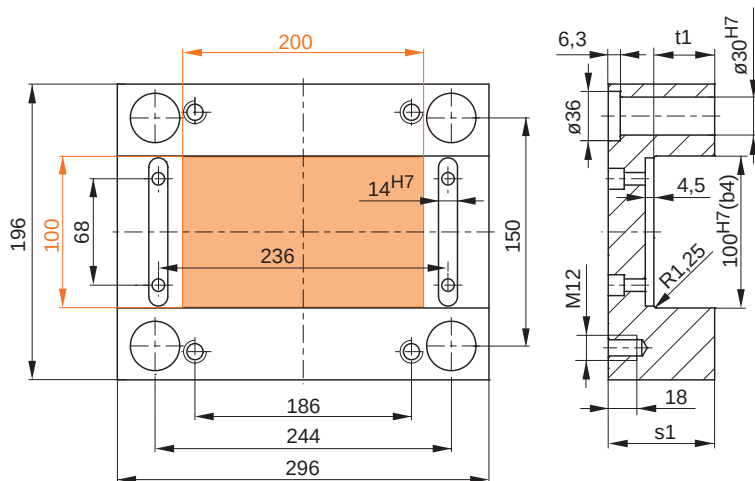
PR



PR / 50x80	x	s1	/ 1.2767	3.4365
		25	■	■
		32	■	■
		40	■	■
		50	■	■

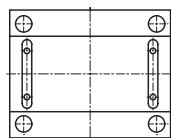
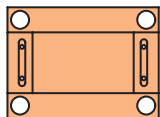
196 x 296

Bestellbeispiel:
Ordering example:
Exemple de commande:

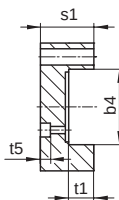


KR 20 / 196 x 296 x 46 x 100 x 25 / 1.2312
PR / 50 x 100 x 25 / 1.2767

KR20

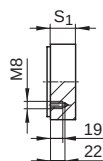
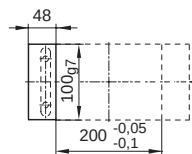
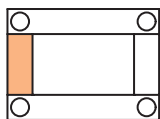


s1 = 46: t5 = 9
s1 ≥ 56: t5 = 11



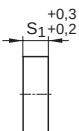
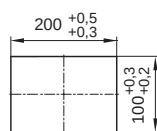
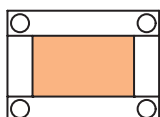
KR 20 / 196x296	x	s1	x	b4	x	t1	/	1.2312
		46		100		25		■
		56				32		■
		66				40		■

KR201



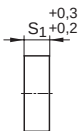
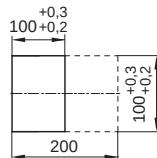
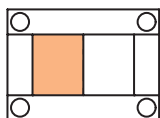
KR 201 / 100x48	x	s1	/	1.2312
		25		■
		32		■
		40		■

PR



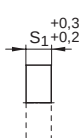
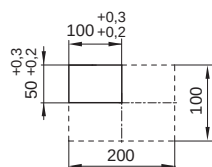
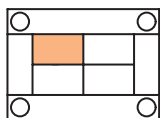
PR / 100x200	x	s1	/	1.2767	3.4365
		25		■	■
		32		■	■
		40		■	■
		50		■	■

PR



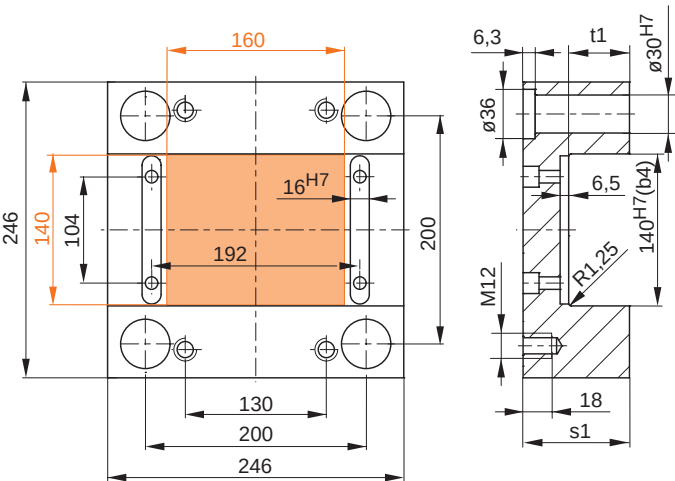
PR / 100x100	x	s1	/	1.2767	3.4365
		25		■	■
		32		■	■
		40		■	■
		50		■	■

PR



PR / 50x100	x	s1	/	1.2767	3.4365
		25		■	■
		32		■	■
		40		■	■
		50		■	■

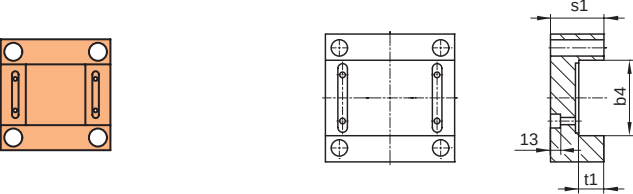
246 x 246



Bestellbeispiel :
Ordering example :
Exemple de commande :

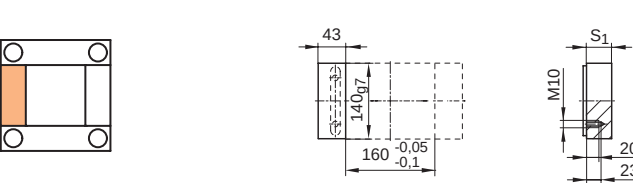
KR 20 / 246 x 246 x 56 x 140 x 25 / 1.2312
PR / 70 x 80 x 25 / 1.2767

KR20



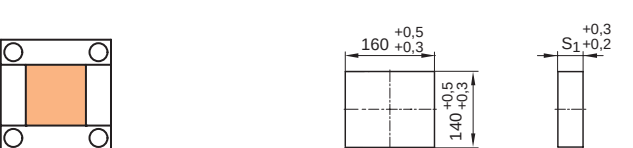
KR 20 / 246x246	x	s1	x	b4	x	t1	/ 1.2312
		56		140		25	■
		66				32	■
		76				40	■

KR201



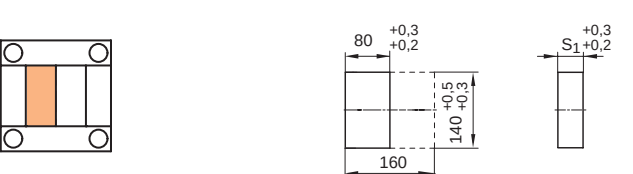
KR 201 / 140x43	x	s1	/ 1.2312
		25	■
		32	■
		40	■

PR



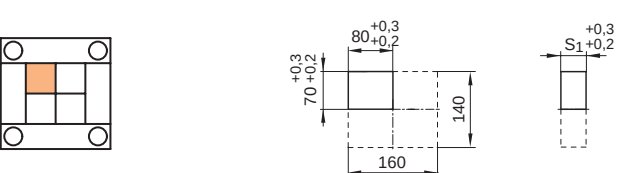
PR / 140x160	x	s1	/ 1.2767	3.4365
		25	■	■
		32	■	■
		40	■	■
		50	■	■

PR



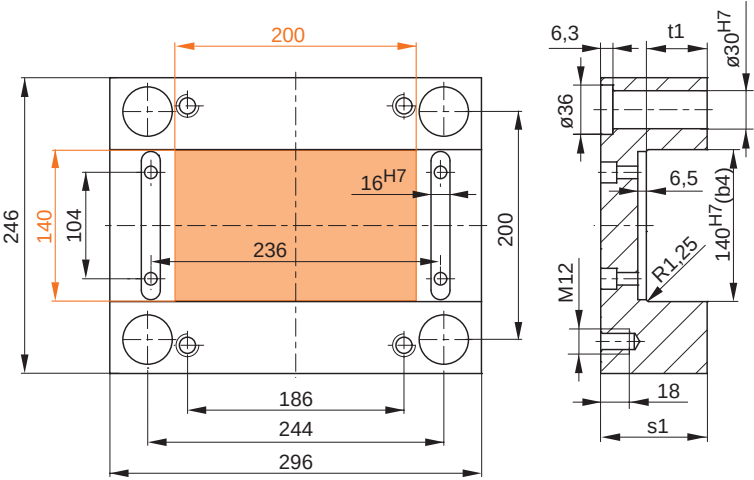
PR / 80x140	x	s1	/ 1.2767	3.4365
		25	■	■
		32	■	■
		40	■	■
		50	■	■

PR



PR / 70x80	x	s1	/ 1.2767	3.4365
		25	■	■
		32	■	■
		40	■	■
		50	■	■

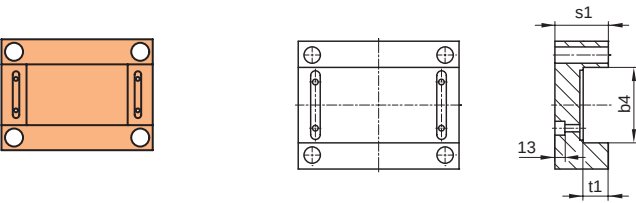
246 x 296



Bestellbeispiel:
Ordering example:
Exemple de commande:

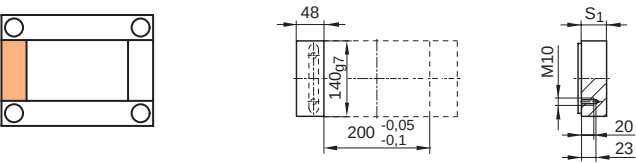
KR 20 / 246 x 296 x 56 x 140 x 25 / 1.2312
PR / 70 x 100 x 25 / 1.2767

KR20



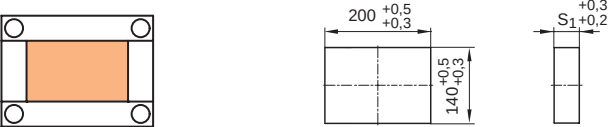
KR20 / 246x296	x	s1	x	b4	x	t1	/	1.2312
		56		140		25		■
		66				32		■
		76				40		■

KR201



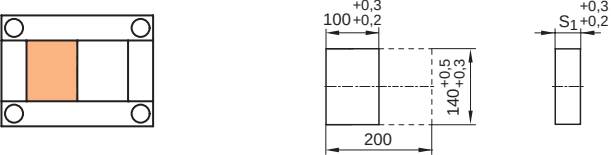
KR201 / 140x48	x	s1	/	1.2085	1.2312
		25		■	■
		32		■	■
		40		■	■

PR



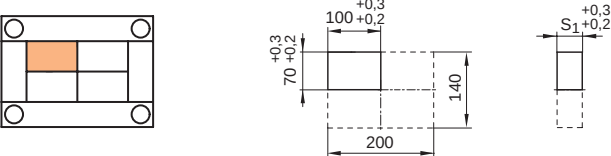
PR / 140x200	x	s1	/	1.2767	3.4365
		25		■	■
		32		■	■
		40		■	■
		50		■	■

PR



PR / 100x140	x	s1	/	1.2767	3.4365
		25		■	■
		32		■	■
		40		■	■
		50		■	■

PR

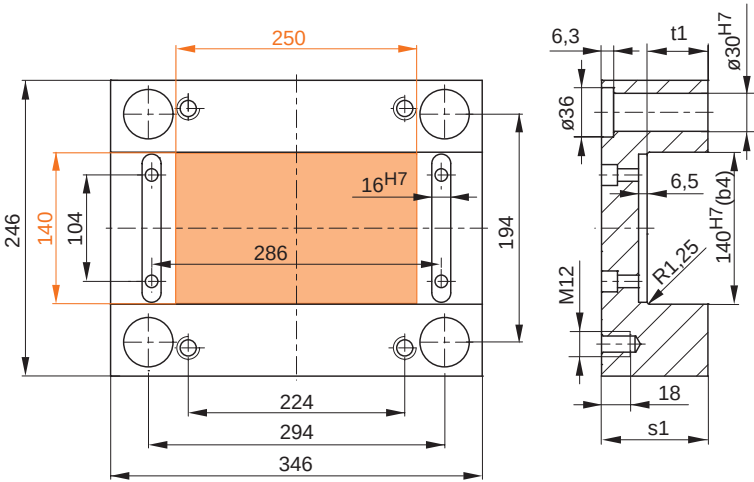


PR / 70x100	x	s1	/	1.2767	3.4365
		25		■	■
		32		■	■
		40		■	■
		50		■	■

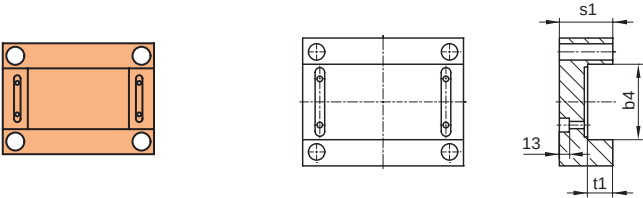
246 x 346

Bestellbeispiel:
Ordering example:
Exemple de commande:

KR 20 / 246 x 346 x 56 x 140 x 25 / 1.2312
PR / 70 x 125 x 25 / 1.2767

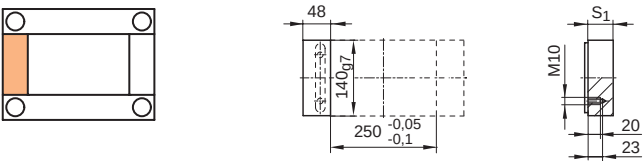


KR20



KR20 / 246x346	x	s1	x	b4	x	t1	/ 1.2312
		56		140		25	■
		66				32	■
		76				40	■

KR201



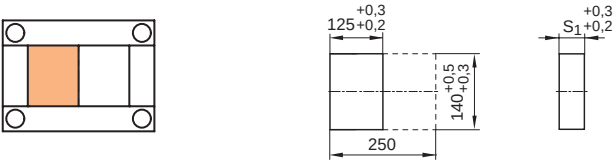
KR201 / 140x48	x	s1	/ 1.2312
		25	■
		32	■
		40	■

PR



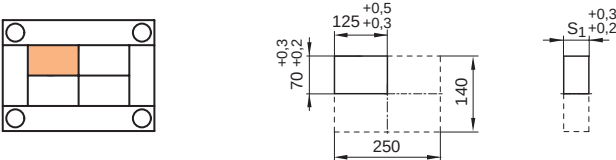
PR / 140x250	x	s1	/ 1.2767	3.4365
		25	■	■
		32	■	■
		40	■	■
		50	■	■

PR



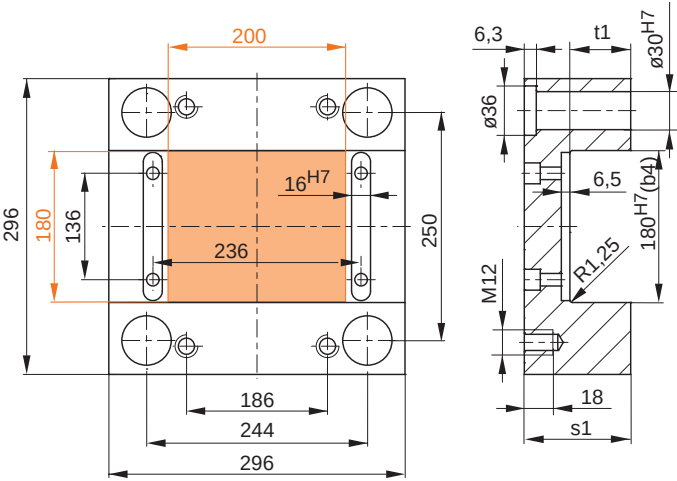
PR / 125x140	x	s1	/ 1.2767	3.4365
		25	■	■
		32	■	■
		40	■	■
		50	■	■

PR



PR / 70x125	x	s1	/ 1.2767	3.4365
		25	■	■
		32	■	■
		40	■	■
		50	■	■

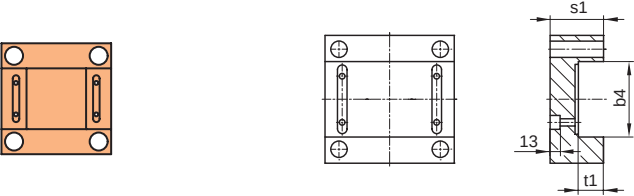
296 x 296



Bestellbeispiel:
Ordering example:
Exemple de commande:

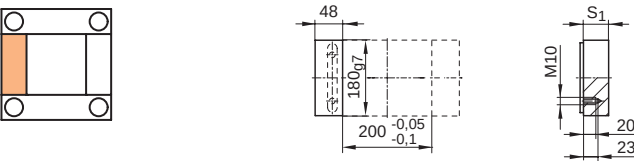
KR 20 / 296 x 296 x 66 x 180 x 32 / 1.2312
PR / 90 x 100 x 32 / 1.2767

KR20



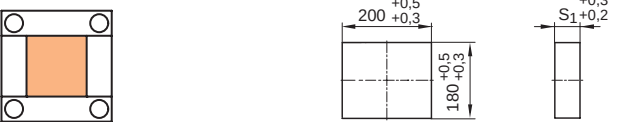
KR20 / 296x296	x	s1	x	b4	x	t1	/	1.2312
		66		180		32		■
		76				40		■
		86				50		■

KR201



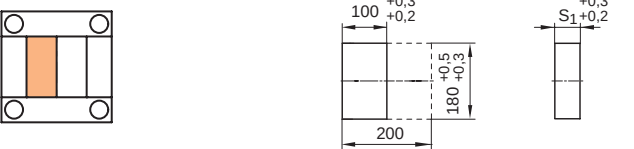
KR201 / 180x48	x	s1	/	1.2312
		32		■
		40		■
		50		■

PR



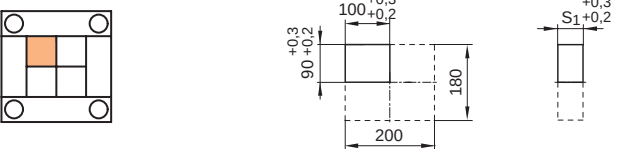
PR / 180x200	x	s1	/	1.2767	3.4365
		32		■	■
		40		■	■
		50		■	■
		63		■	■

PR



PR / 100x180	x	s1	/	1.2767	3.4365
		32		■	■
		40		■	■
		50		■	■
		63		■	■

PR

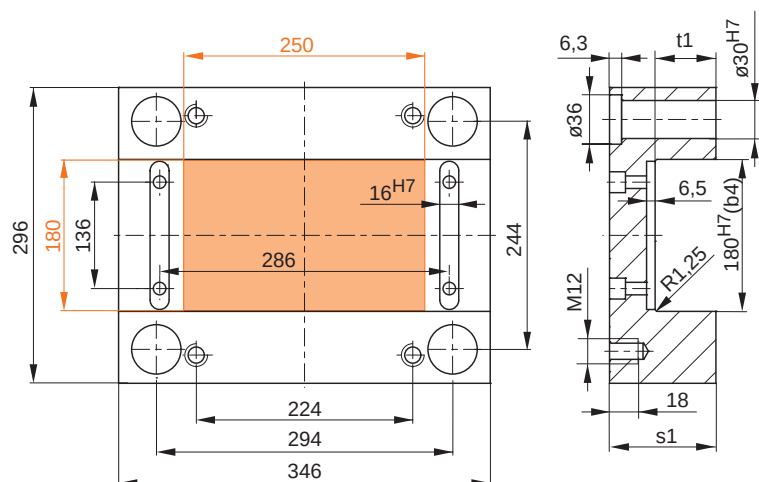


PR / 90x100	x	s1	/	1.2767	3.4365
		32		■	■
		40		■	■
		50		■	■
		63		■	■

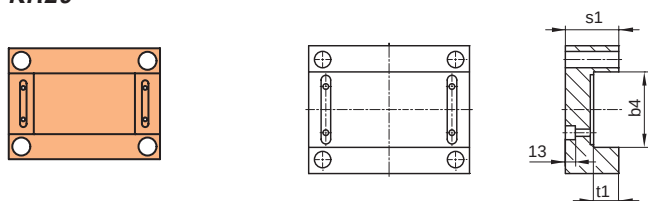
296 x 346

Bestellbeispiel:
Ordering example:
Exemple de commande:

KR 20 / 296 x 346 x 66 x 180 x 32 / 1.2312
PR / 90 x 125 x 32 / 1.2767

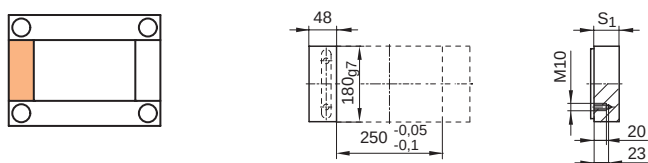


KR20



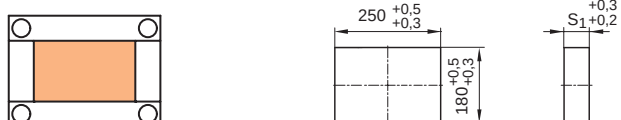
KR20 / 296x346	x	s1	x	b4	x	t1	/ 1.2312
		66		180		32	■
		76				40	■
		86				50	■

KR201



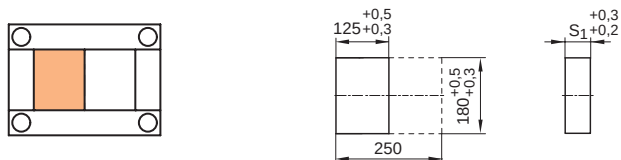
KR201 / 180x48	x	s1	/ 1.2312
		32	■
		40	■
		50	■

PR



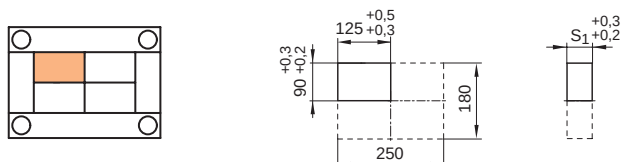
PR / 180x250	x	s1	/ 1.2767	3.4365
		32	■	■
		40	■	■
		50	■	■
		63	■	■

PR



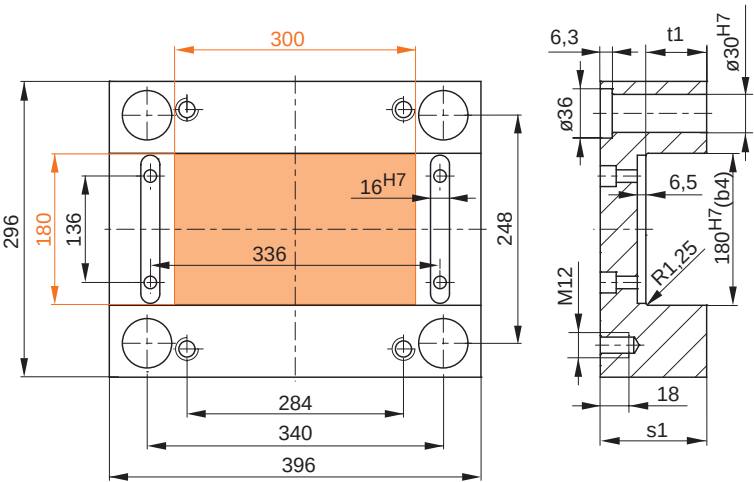
PR / 125x180	x	s1	/ 1.2767	3.4365
		32	■	■
		40	■	■
		50	■	■
		63	■	■

PR



PR / 90x125	x	s1	/ 1.2767	3.4365
		32	■	■
		40	■	■
		50	■	■
		63	■	■

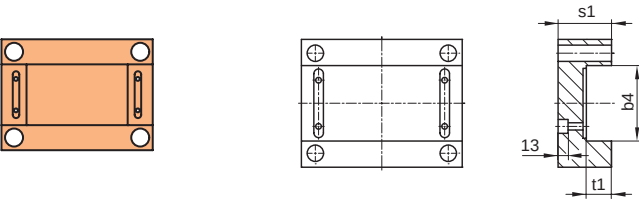
296 x 396



Bestellbeispiel:
Ordering example:
Exemple de commande:

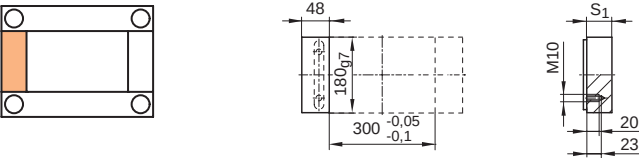
KR 20 / 296 x 396 x 66 x 180 x 32 / 1.2312
PR / 90 x 150 x 32 / 1.2767

KR20



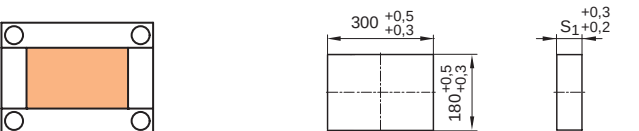
KR20 / 296x396	x	s1	x	b4	x	t1	/	1.2312
		66		180		32		■
		76				40		■
		86				50		■

KR201



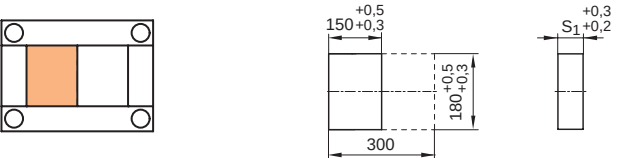
KR201 / 180x48	x	s1	/	1.2312
		32		■
		40		■
		50		■

PR



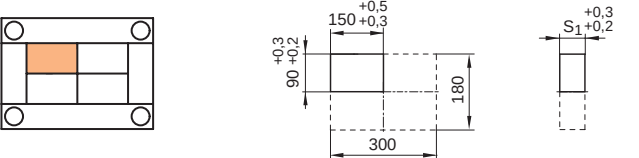
PR / 180x300	x	s1	/	1.2767	3.4365
		32		■	■
		40		■	■
		50		■	■
		63		■	■

PR



PR / 150x180	x	s1	/	1.2767	3.4365
		32		■	■
		40		■	■
		50		■	■
		63		■	■

PR



PR / 90x150	x	s1	/	1.2767	3.4365
		32		■	■
		40		■	■
		50		■	■
		63		■	■



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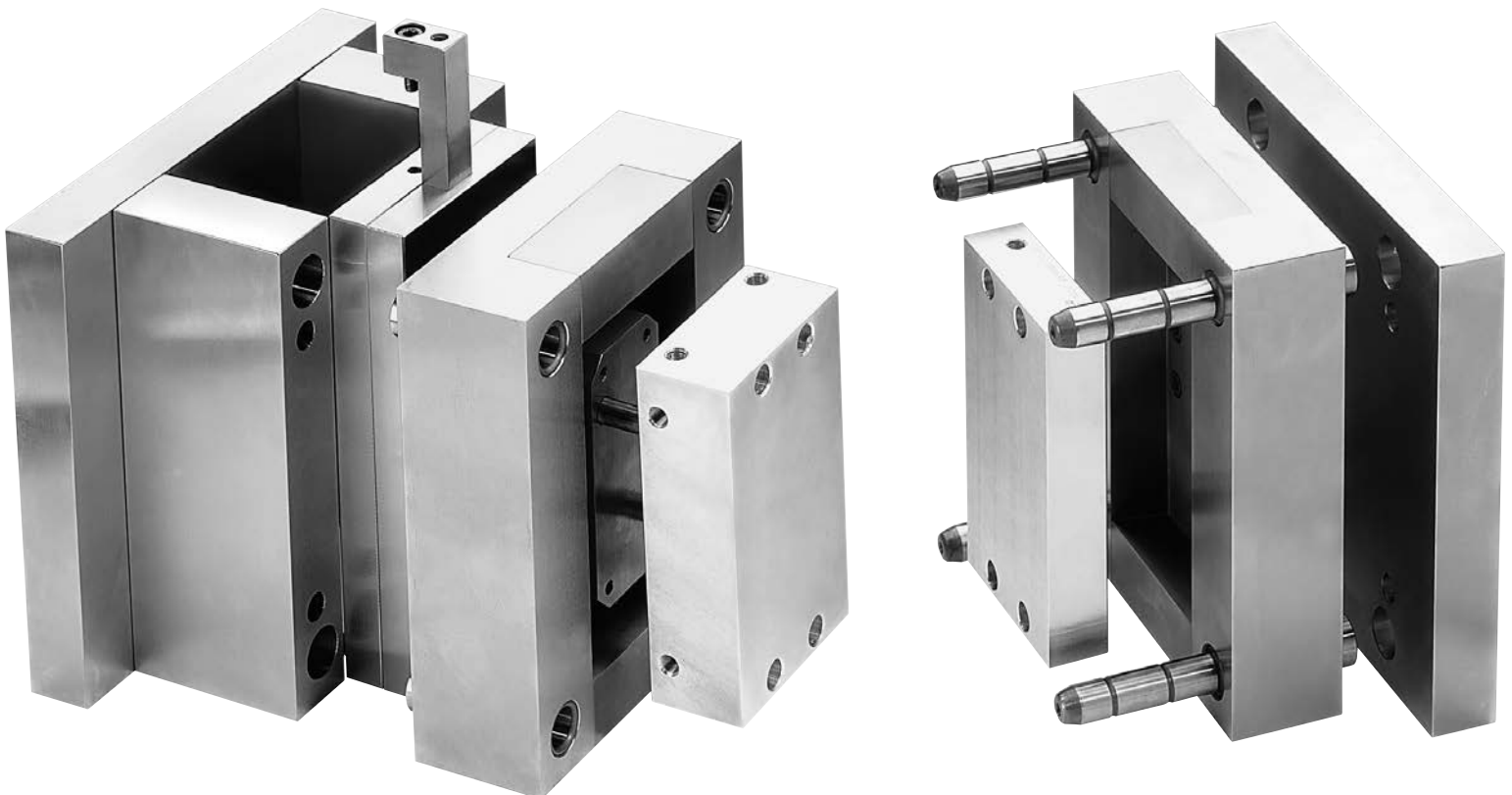
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- Easy search and selection
- Logical and fast access to CAD data

HASCO

Ermöglichen mit System.

K 3500 / . . .

Wechselwerkzeug-System
Quick-change Mould System
Système de moule à
changement rapide





Das HASCO-Wechselwerkzeug-System K3500/... ist speziell für die kostengünstige Produktion praxisnaher Muster, Prototypen und Kleinserien entwickelt worden.

Es besteht aus dem Wechselwerkzeug K3500/... und den dazu passenden Formeinsätzen K3501/... und K3520/... . Gemäß dem HASCO Baukastenprinzip sind die Einsätze austauschbar.

The HASCO K3500/... quick-change Mould System has been especially developed for the economic production of samples, prototypes and small series.

It consists of the mould changing unit K3500/... and the matching mould inserts K3501/... and K3520/... . The inserts are exchangeable according to the HASCO modular system.

Le système de moule à changement rapide HASCO K3500/... a été développé spécialement pour une production à bas prix et basée sur la pratique d'échantillons, de prototypes et de petites séries.

Il se compose du moule de changement K3500/... et des inserts porte-empreintes K3501/... et K3520/... correspondantes. Grâce au principe modulaire HASCO, ces inserts sont interchangeables.

Besondere Merkmale

- Die Einsätze sind von der Trennebene aus verschraubt und in der Spritzgießmaschine auswechselbar.
- Minimale Stillstandzeiten durch schnelles Wechseln der Formeinsätze.
- Formplatten sind in den Materialien 1.2312 und 1.2085 erhältlich.
- 3 Werkzeuggrößen, kompatibel zum K-Programm
 - 156 x 196
 - 246 x 296
 - 296 x 396
- Die Einsätze mit integrierter Temperierung sind in den Materialien 1.2767 und 3.4365 erhältlich.
- Verbindung zwischen Formeinsatz K3501 und Wechselwerkzeug K3500 mittels Verriegelung.

Special Features

- The inserts are bolted through from the parting plane and can be exchanged in the injection moulding machine.
- Minimum downtimes due to fast changing of the mould inserts.
- Mould plates can be obtained in materials 1.2312 and 1.2085.
- 3 mould sizes, compatible with the K-range
 - 156 x 196
 - 246 x 296
 - 296 x 396
- The inserts with integrated cooling lines can be obtained in materials 1.2767 and 3.4365.
- Connection between mould insert K3501 and mould-changing unit K3500 is by means of a locking bar.

Caractéristiques particulières

- Les inserts sont vissés du niveau de séparation et interchangeables dans la presse d'injection.
- Durées d'immobilisation minimales grâce au changement rapide des inserts porte-empreintes.
- Plaques porte-empreintes sont disponibles dans les qualités 1.2312 et 1.2085.
- 3 grandeurs de moules, compatibles avec le programme K
 - 156 x 196
 - 246 x 296
 - 296 x 396
- Les inserts avec refroidissement intégrés sont disponibles dans les qualités 1.2767 et 3.4365.
- Liaison par verrouillage entre l'insert porte-empreinte K3501 et le moule de changement K3500.

Technische Informationen

Die Einsätze sind separat austauschbar und wie folgt zu bestellen:

K3501/...

Formeinsatz mit Wechselauswerfer
bewegliche Seite

K3520/...

Formeinsatz
feste Seite

Technical Information

The inserts can be exchanged separately and ordered as follows:

K3501/...

Mould insert with changing ejector unit
moving side

K3520/...

Mould insert
fixed side

Informations techniques

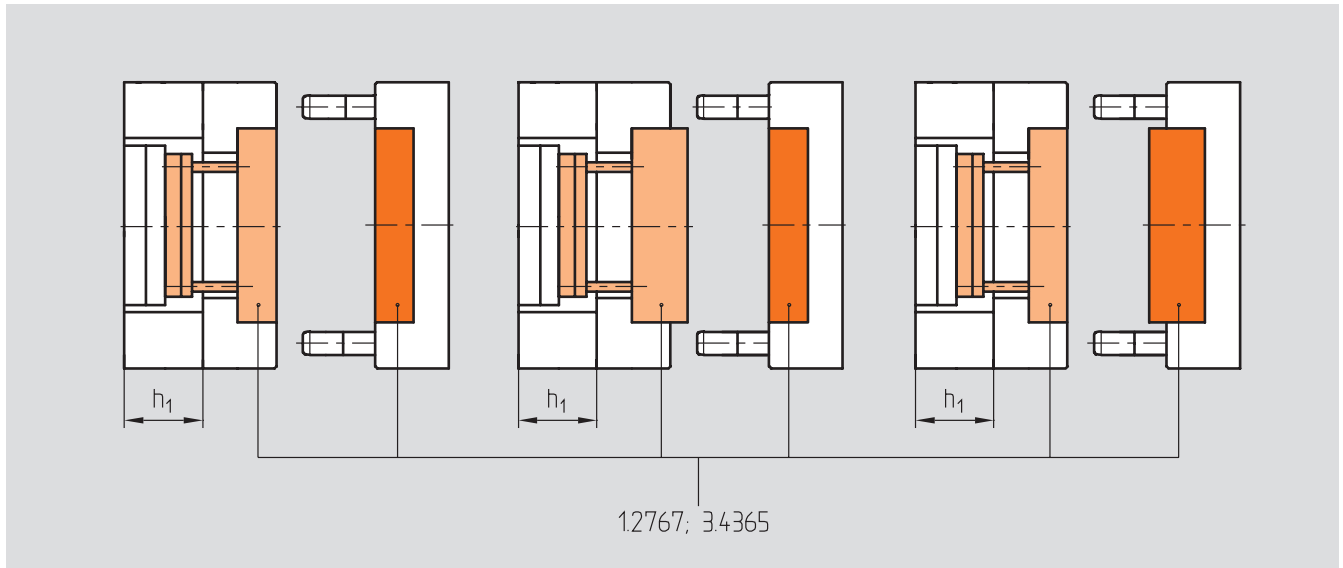
Les inserts sont interchangeables individuellement et peuvent être commandés sous les références suivantes:

K3501/...

Insert porte-empreintes avec éjection
de moule côté mobile

K3520/...

Insert porte-empreintes
côté fixe



Die Einsätze sind bündig oder überstehend zu der Rahmenformplatte. Sie sind untereinander kombinierbar. Die Einsätze werden mit Aufmaß geliefert.

Folgende Leisten K40/... werden für das Wechselwerkzeug K3500/... benötigt:

K 40 /156 x 196 x 76 /...
K 40 /246 x 296 x 76 /...
K 40 /296 x 396 x 96 /...

Die Leistenhöhe h_1 muss unbedingt eingehalten werden.

The inserts are flush with or they project beyond the bolster plate. They can be combined with one another. The inserts are delivered with machining allowance.

The following risers K40/... are required for the K3500/... mould-changing unit:

K 40 /156 x 196 x 76 /...
K 40 /246 x 296 x 76 /...
K 40 /296 x 396 x 96 /...

It is absolutely necessary to maintain the riser height h_1 .

Les inserts sont placés à fleur ou en saillie par rapport à la plaque porte-empreintes du châssis. Ils peuvent être combinés et sont livrés avec surépaisseur.

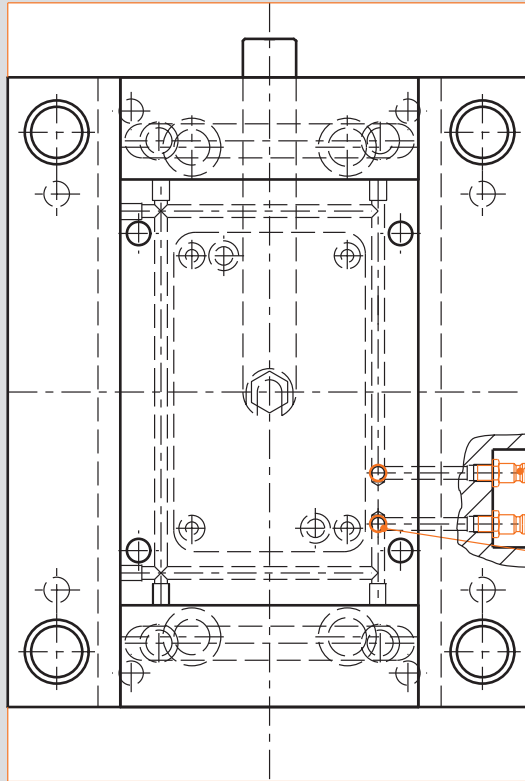
Les tasseaux K40/... suivantes sont requises pour le moule de changement K3500/...:

K 40 /156 x 196 x 76 /...
K 40 /246 x 296 x 76 /...
K 40 /296 x 396 x 96 /...

L'épaisseur de tasseaux h_1 doit être impérativement respectée.

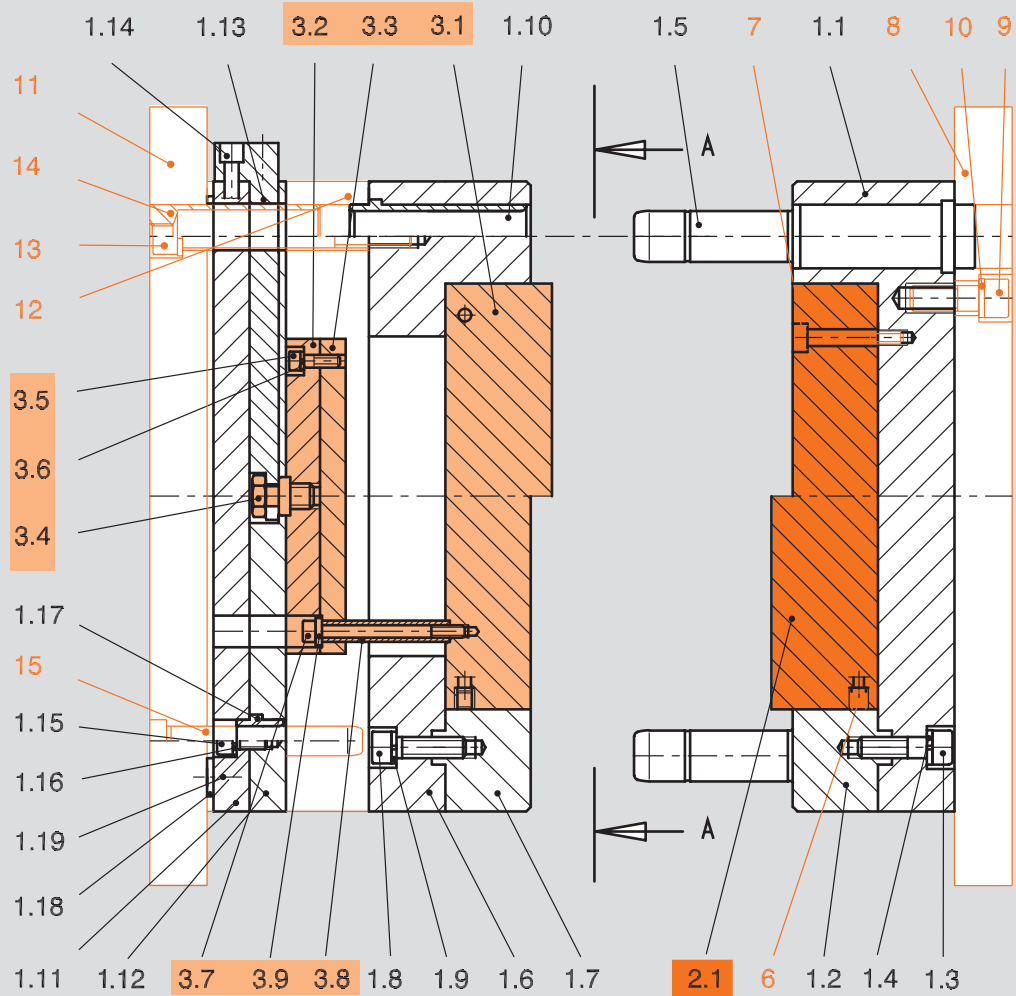


A - A



4

5



Pos.	Benennung	Designation	Désignation	St./Pc.	Nr./No.
1.1	Rahmenformplatte	Bolster plate	Plaque porte-empreinte avec logement	1	
1.2	Endstück	End piece	Verrou de fermeture	2	KR 201/...
1.3	Zylinderschraube	Hexagon socket head cap screw	Vis à tête cylindrique à 6 pans creux	4	Z 31/...
1.4	Sperrkantring	Locking edge washer	Rondelle à bords d'arrêt	4	Z 691/...
1.5	Führungssäule	Guide pillar	Colonne de guidage	4	Z 00/...
1.6	Rahmenformplatte	Bolster plate	Plaque porte-empreinte avec logement	1	
1.7	Endstück	End piece	Verrou de fermeture	2	KR 201/...
1.8	Zylinderschraube	Hexagon socket head cap screw	Vis à tête cylindrique à 6 pans creux	4	Z 31/...
1.9	Sperrkantring	Locking edge washer	Rondelle à bords d'arrêt	4	Z 691/...
1.10	Führungsbuchse	Guide bush	Bague de guidage	4	Z 10/...
1.11	Auswerfergrundplatte	Ejector base plate	Contre plaque d'éjection	1	
1.12	Auswerferhalteplatte	Ejector retainer plate	Plaque d'éjection	1	
1.13	Verriegelung	Locking bar	Verrou	1	
1.14	Zylinderschraube	Hexagon socket head cap screw	Vis à tête cylindrique à 6 pans creux	1	Z 31/...
1.15	Zylinderschraube	Hexagon socket head cap screw	Vis à tête cylindrique à 6 pans creux	4	Z 31/...
1.16	Sperrkantring	Locking edge washer	Rondelle à bords d'arrêt	4	Z 691/...
1.17	Führungsbuchse	Guide bush	Bague de guidage	2/4	Z 13 W /17/...
1.18	Auflagescheibe	Seating washer	Rondelle de butée	4	Z 55/18 x 3
1.19	Senkschraube	Countersunk screw	Vis à tête fraisée	4	Z 33/4x8

Formeinsatz
(feste Seite) K3520/...
Mould insert
(fixed side) K3520/...
Insert porte-empreintes
(côté fixe) K3520/...

Pos.	Benennung	Designation	Désignation	St./Pc.	Nr./No.
2.1	Formeinsatz	Cavity insert	Plaque dévêtisseuse	1	K 3520/...

Formeinsatz
(bewegliche Seite) K3501/...
Mould insert
(moving side) K3501/...
Insert porte-empreintes
(côté mobile) K3501/...

Pos.	Benennung	Designation	Désignation	St./Pc.	Nr./No.
3.1	Formeinsatz	Cavity insert	Plaque dévêtisseuse	1	
3.2	Auswerfergrundplatte für K3501	Ejector base plate for K3501	Contre plaque d'éjection pour K3501	1	
3.3	Auswerferhalteplatte für K3501	Ejector retainer plate for K3501	Plaque d'éjection pour K3501	1	
3.4	Verriegelungsschraube	Locking screw	Vis de verrouillage	1	
3.5	Zylinderschraube	Hexagon socket head cap screw	Vis à tête cylindrique à 6 pans creux	4	Z 31/...
3.6	Sperrkantring	Locking edge washer	Rondelle à bords d'arrêt	4	Z 691/...
3.7	Zylinderschraube	SHC screw	Vis à tête cylindrique	2	Z 31/...
3.8	Führungshülse	Guide sleeve	Douille de guidage	2	Z 022/10/...
3.9	Scheibe	Disc	Rondelle	2	Z 561/14 x 3

Sonstige K + Z Teile,
extra Bestellung erforderlich !
Miscellaneous K + Z parts,
extra ordering required !
Autres pièces K + Z,
commande séparée obligatoire !

Pos.	Benennung	Designation	Désignation	St./Pc.	Nr./No.
4	Anschlussnippel	Nipple	Raccord de préférence	4	Z 81/9/10 x 1
5	Viton O-Ring	Viton O-ring	Joint torique Viton	4	Z 98/7,5/1,5
6	Verschlussschraube	Hexagon socket pipe plug	Bouchon fileté à 6 pans creux	12	Z 94/8 x 0,75
7	Zylinderschraube	Hexagon socket head cap screw	Vis à tête cylindrique à 6 pans creux	8	Z 31/...*
8	Aufspannplatte	Clamping plate	Plaque de fixation	1	K 10/...*
9	Zylinderschraube	Hexagon socket head cap screw	Vis à tête cylindrique à 6 pans creux	4	Z 31/...*
10	Sperrkantring	Locking edge washer	Rondelle à bords d'arrêt	8	Z 691/...*
11	Aufspannplatte	Clamping plate	Plaque de fixation	1	K 10/...*
12	Leiste	Riser	Tasseaux	2	K 40/...
13	Zylinderschraube	SHC screw	Vis à tête cylindrique	4	Z 31/...*
14	Zentrierhülse	Centering sleeve	Douille de centrage	4	Z 20/...*
15	Führungssäule	Guide pillar	Colonne de guidage	4	Z 01/14 x ...*

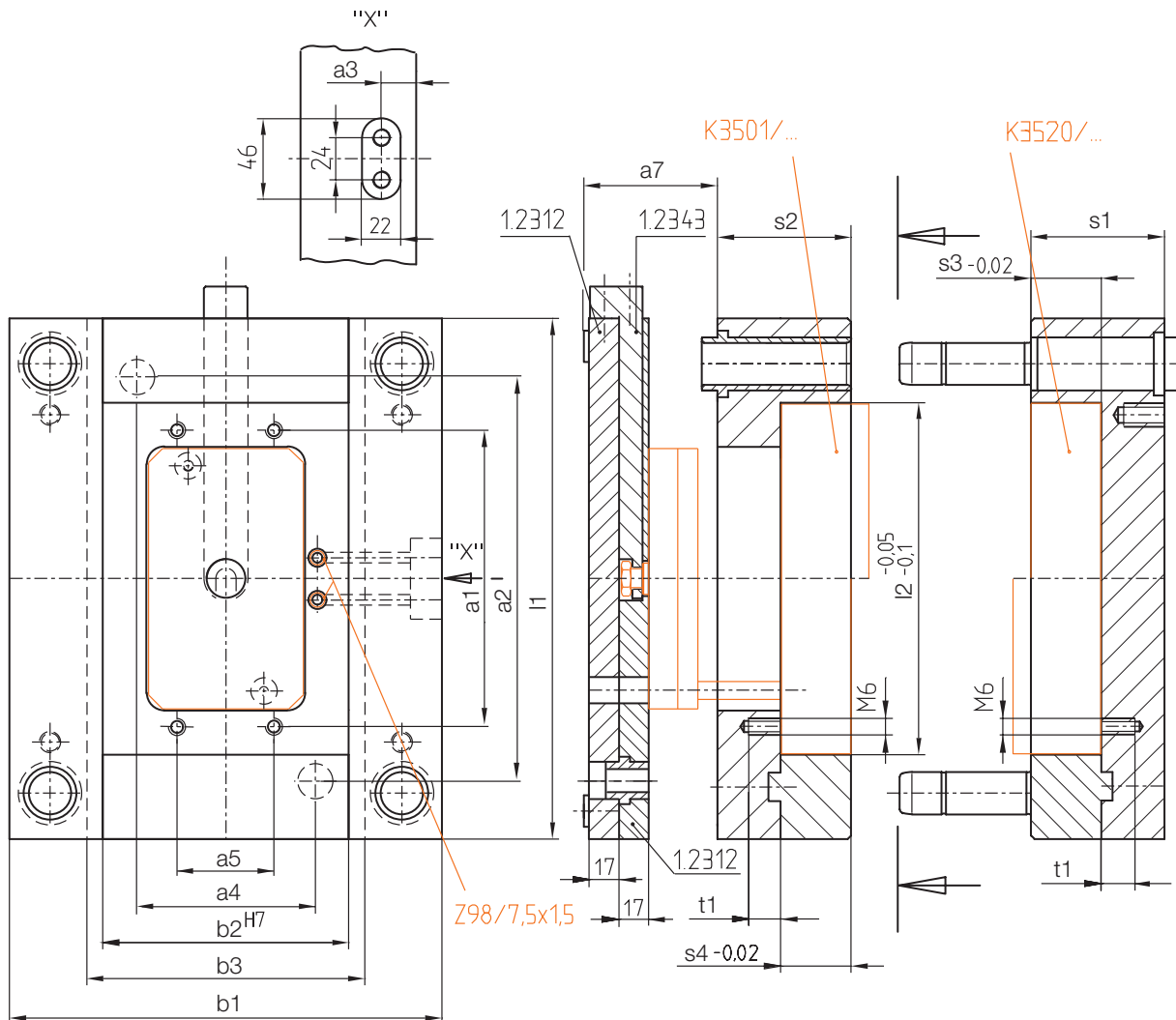
* Typ und Abmessung ist vom Konstrukteur festzulegen.

* Type and dimension is to be determined by the designer.

* Le type et les dimensions doivent être déterminés par le concepteur.

K3500/...

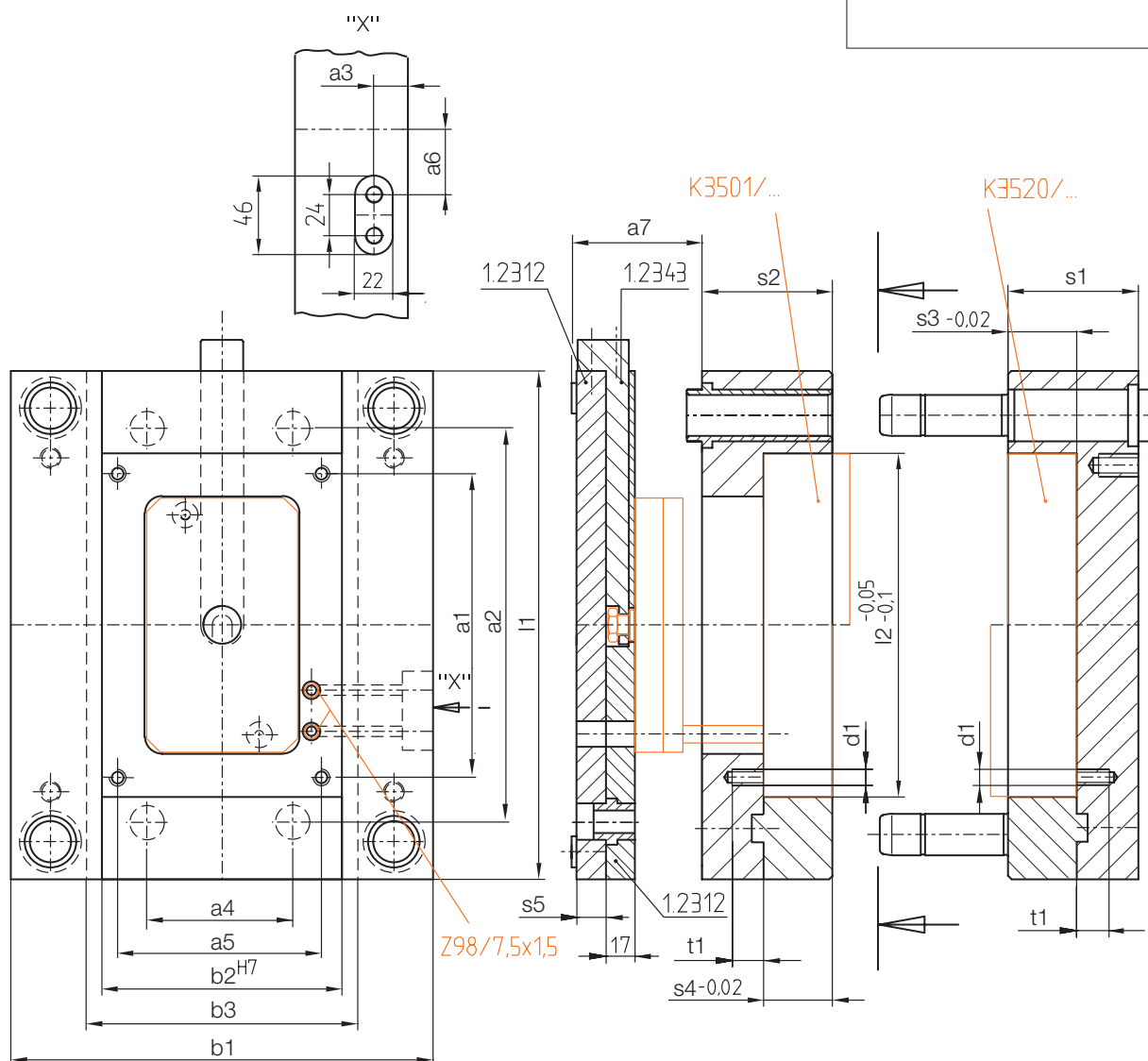
Wechselwerkzeug
Mould-changing system
Moule de changement



t1	s4	s3	a7	a5	a4	a3	a2	a1	b3	b2	l2	b1	l1	s1	s2	Mat.	Nr. / No.
14	25	25	76	31	61	14	124	101	90	80	140	156	196	46	46	1.2312	K 3500/156 x 196 x 46 x 46/1.2312
																1.2085	1.2085
	32														56	1.2312	46 x 56/1.2312
																1.2085	1.2085
	25	32												56	46	1.2312	56 x 46/1.2312
																1.2085	1.2085
	32														56	1.2312	56 x 56/1.2312
																1.2085	1.2085

K3500/...

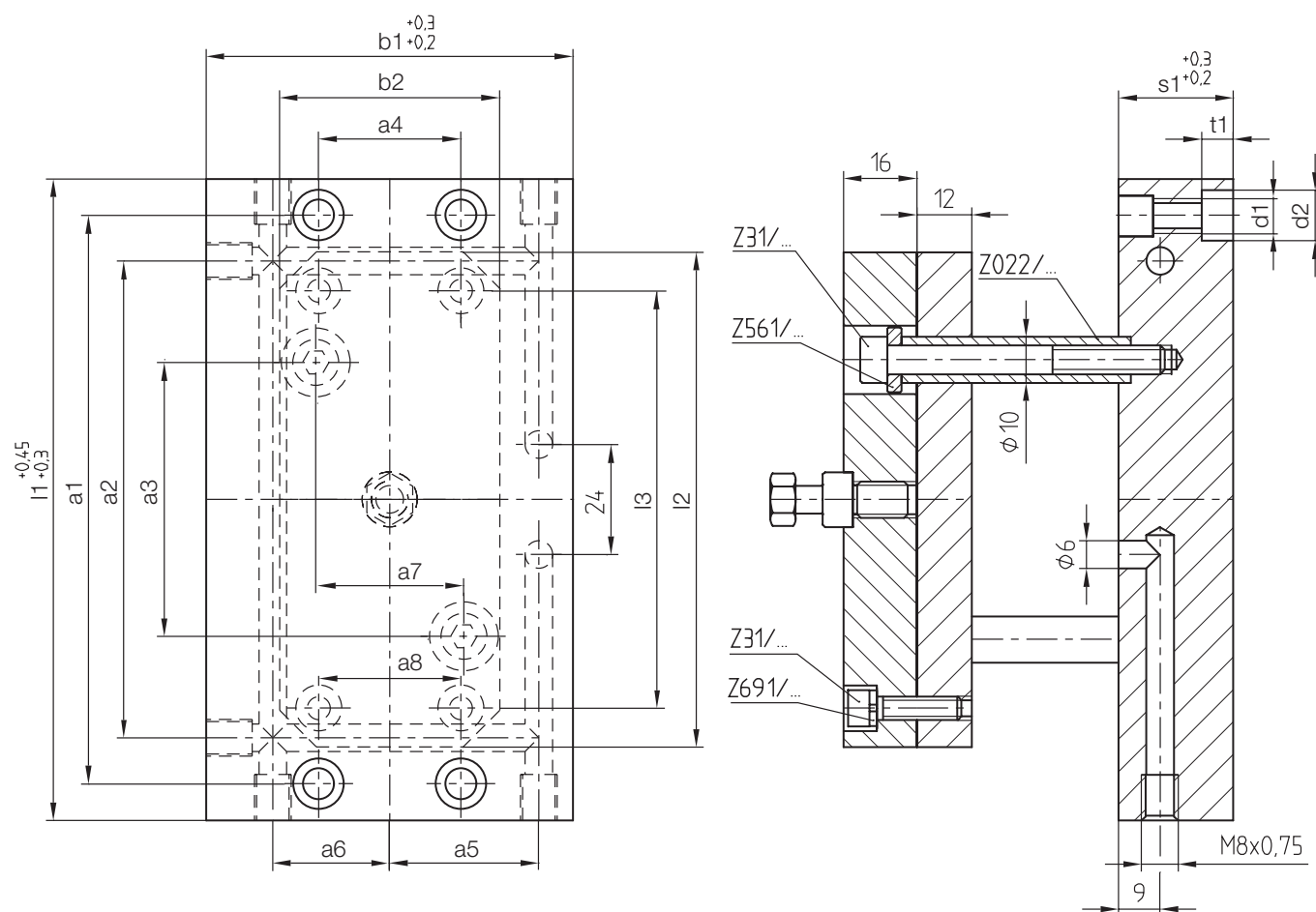
Wechselwerkzeug
Mould-changing system
Moule de changement



t1	s5	s4	s3	a7	a6	a5	a4	a3	a2	a1	b3	b2	l2	d1	b1	l1	s1	s2	Mat.	Nr. / No.	
14	17	32	32	76	38	123	73	20	230	149	158	140	200	M6	246	296	66	66	1.2312	K 3500 / 246x296x66x66 / 1.2312	
																			1.2085	1.2085	
		40																76	1.2312	66x76 / 1.2312	
																			1.2085	1.2085	
		32	40															76	66	1.2312	76x66 / 1.2312
																			1.2085	1.2085	
		40																76	1.2312	76x76 / 1.2312	
																			1.2085	1.2085	
16	22	50	50	96	63	159	116	25	330	244	200	180	300	M8	296	396	86	86	1.2312	K 3500 / 296x396x86x86 / 1.2312	
																			1.2085	1.2085	

K3501/...

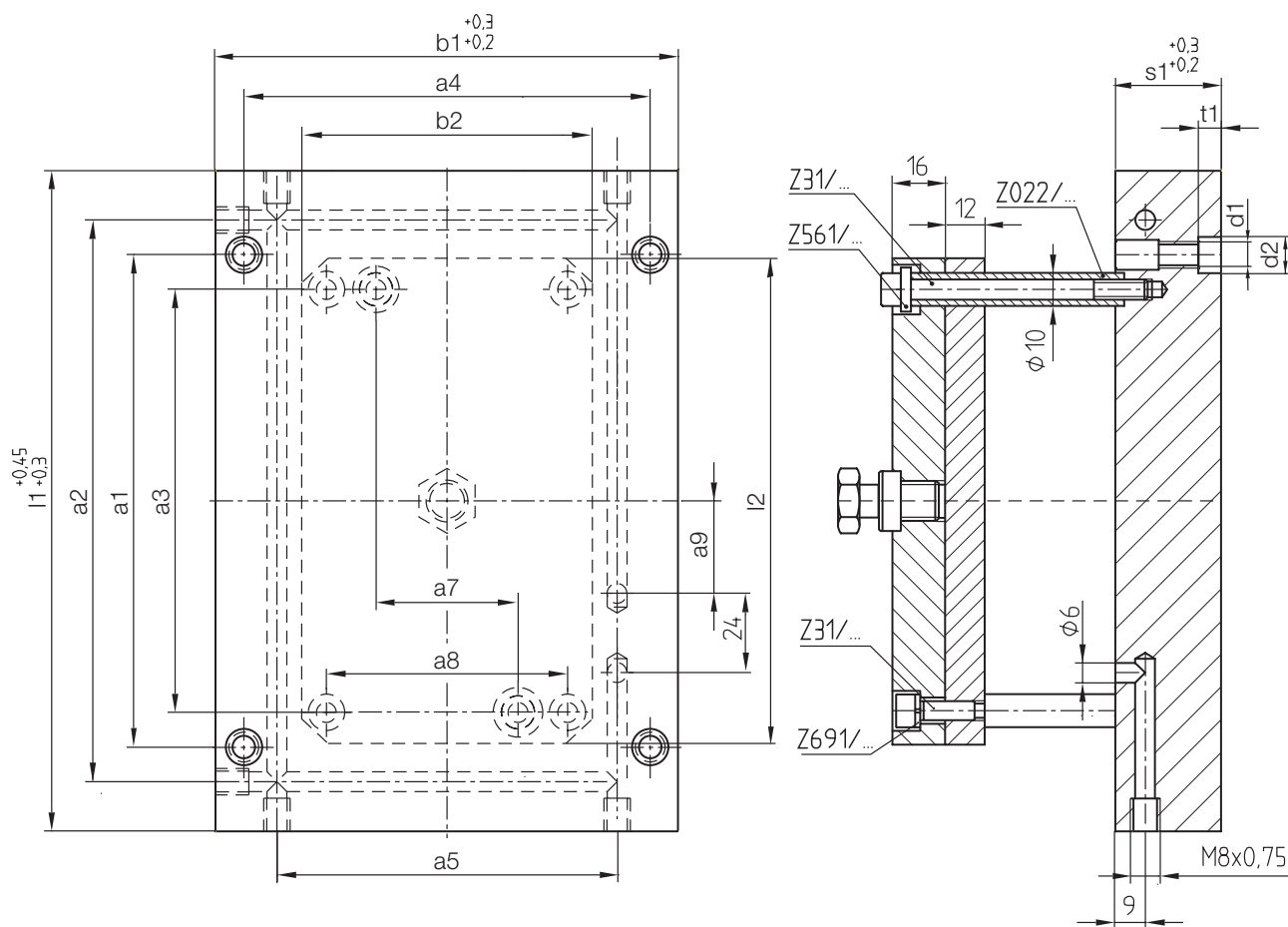
Formeinsatz mit Wechselauswerfer
Mould insert with changing ejector
Insert porte-empreintes avec éjection de moule



t1	a8	a7	a6	a5	a4	a3	a2	a1	b2	l3	l2	d2	d1	b1	l1	s1	Mat.	Nr. / No.
6,9	31	31,5	25,5	32,5	31	61	104	124	48	91	108	11	M8	80	140	25	1.2767	K 3501 / 80x140x25 / 1.2767
																	3.4365	3.4365
13,9																32	1.2767	32 / 1.2767
																	3.4365	3.4365
21,9																40	1.2767	40 / 1.2767
																	3.4365	3.4365

K3501/...

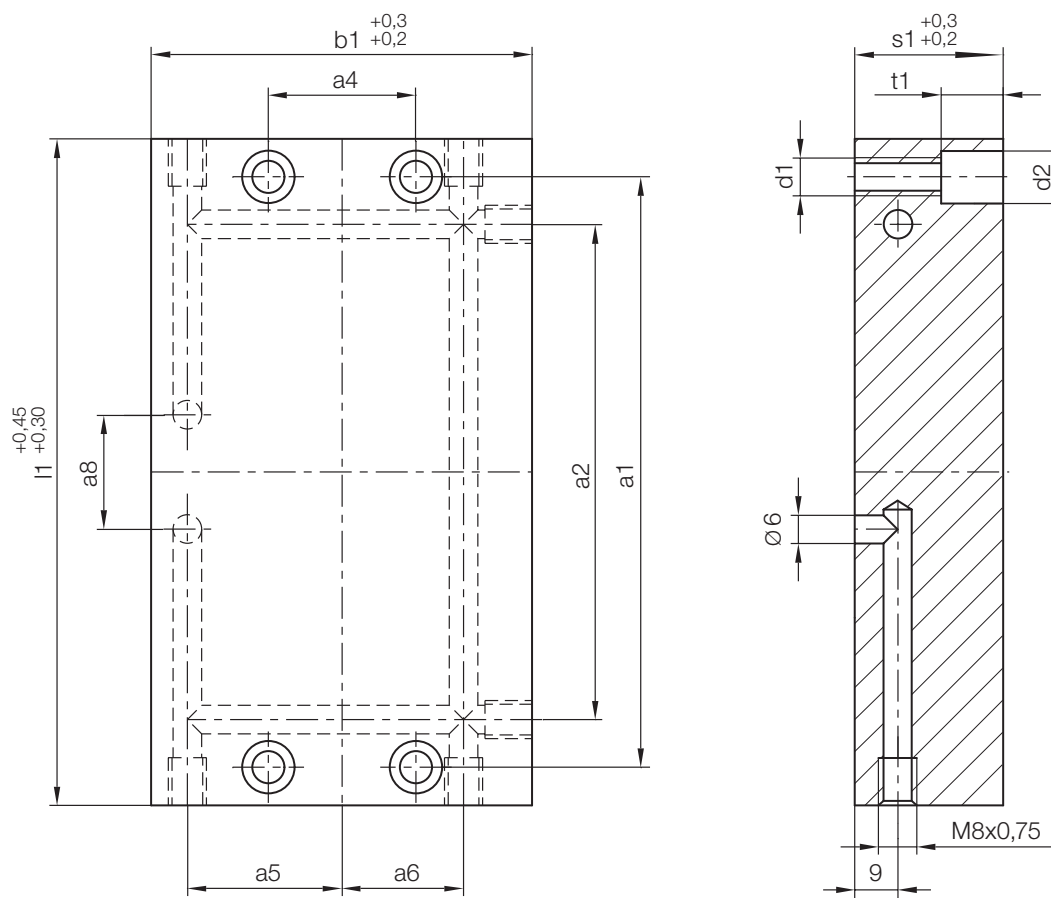
Formeinsatz mit Wechselauswerfer
Mould insert with changing ejector
Insert porte-empreintes avec éjection de moule



t1	a9	a8	a7	a5	a4	a3	a2	a1	b2	l2	d2	d1	b1	l1	s1	Mat.	Nr. / No.
6,9	38	73	43	103	123	128	170	149	88	148	11	M8	140	200	32	1.2767	K 3501 / 140 x 200 x 32 / 1.2767
																3.4365	32 / 3.4365
14,9															40	1.2767	40 / 1.2767
																3.4365	40 / 3.4365
24,9															50	1.2767	50 / 1.2767
																3.4365	50 / 3.4365
9	63	94	64	135	159	216	268	244	118	238	15	M10	180	300	50	1.2767	K 3501 / 180 x 300 x 50 / 1.2767
																3.4365	50 / 3.4365
22															63	1.2767	63 / 1.2767
																3.4365	63 / 3.4365

K3520/...

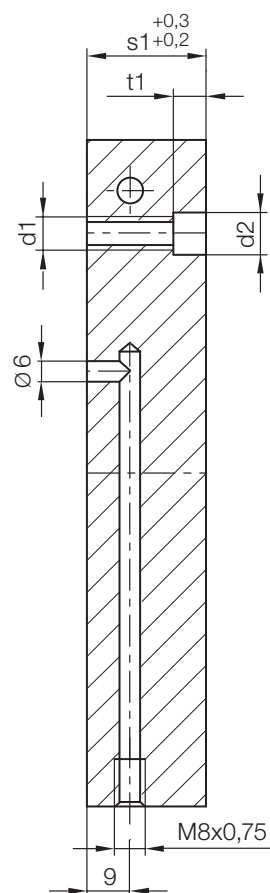
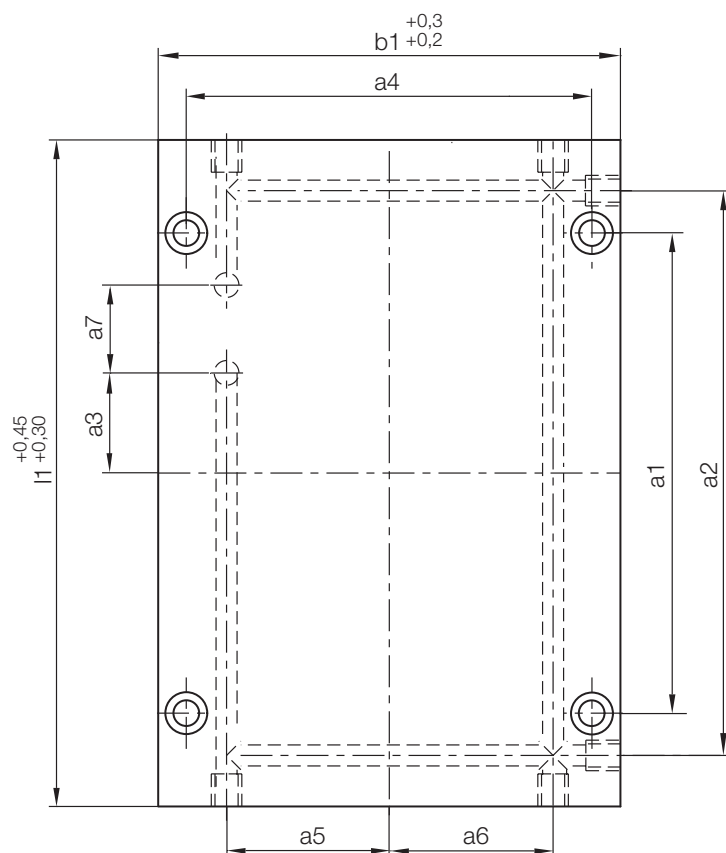
Formeinsatz
Mould insert
Insert porte-empreintes



t1	a8	a7	a6	a5	a4	a3	a2	a1	d2	d1	b1	l1	s1	Mat.	Nr. / No.
6,9	24	-	25,5	32,5	31	-	104	124	11	M8	80	140	25	1.2767	K 3520/80x140x25/1.2767
														3.4365	3.4365
13,9													32	1.2767	32/1.2767
														3.4365	3.4365
21,9													40	1.2767	40/1.2767
														3.4365	3.4365

K3520/...

Formeinsatz
Mould insert
Insert porte-empreintes



t1	a8	a7	a6	a5	a4	a3	a2	a1	d2	d1	b1	l1	s1	Mat.	Nr. / No.
6,9	-	24	51,5	51,5	123	38	170	149	11	M8	140	200	32	1.2767	K 3520/140x200x32/1.2767
														3.4365	3.4365
14,9													40	1.2767	40/1.2767
														3.4365	3.4365
24,9													50	1.2767	50/1.2767
														3.4365	3.4365
9	-	24	67,5	67,5	159	63	268	244	15	M10	180	300	50	1.2767	K 3520/180x300x50/1.2767
														3.4365	3.4365
22													63	1.2767	63/1.2767
														3.4365	3.4365



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- 99% Verfügbarkeit ab Lager
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deadlines.***

- Delivery time of 24 hours
- 99% availability ex stock
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- Free delivery within the EU
- Logistics competence, worldwide

HASCO

Ermöglichen mit System.

K3600/...

*Kleinserienwerkzeug
Small series mould
Moule pour petites séries*



Werkzeuggrößen Mould sizes Grandeurs de moules

156 x 156
190 x 246
246 x 296
296 x 396



Das HASCO Kleinserienwerkzeug K3600/... ist speziell für die kostengünstige Produktion praxisnaher Kleinserien entwickelt worden.

Es handelt sich hier um ein speziell auf das HASCO Clever Mold System A8500/... abgestimmtes Wechsel-Werkzeug, welches effizientes und schnelles Werkzeugwechseln auf allen gängigen Spritzgießmaschinen zulässt.

Das Clever Mold System in Verbindung mit dem Kleinserienwerkzeug K3600/... reduziert sowohl die Rüstzeiten, als auch die Werkzeugkosten.

Besondere Merkmale

- Einfaches Wechseln der kompletten Baugruppe auf der Spritzgießmaschine möglich
- Keine Reduzierung der nutzbaren Plattenfläche durch Einsetzen vordefinierter Auswerferpakete (im Vergleich zu allen herkömmlichen Systemen)
- Minimale Maschinenstillstandzeiten durch schnelles Wechseln des Werkzeugs
- Formplatten sind in den Materialien 1.2767 und Toolox 33 erhältlich
- Reduzierung von Werkzeugkosten
- Praxiserprobt
- 4 Werkzeuggrößen, kompatibel zum K-Programm

The HASCO small series mould K3600/... has been specially developed for the cost-effective production of practical small production runs.

This is an interchangeable mould specially adapted to the HASCO Clever Mold System A8500/..., which enables the mould to be changed quickly and efficiently on all current injection moulding systems.

The Clever Mold System in conjunction with the small series tool K3600/... reduces both the set-up times and the costs of the tool.

Special Features

- Simple changing of the complete module assembly is possible on the injection moulding system
- No reduction of the usable plate surface by using predefined ejector assemblies (compared with all conventional systems)
- Minimum machine downtimes due to fast changing of the mould
- Mould plates can be obtained in materials 1.2767 and Toolox 33
- Reduced tool costs
- Field-tested
- 4 mould sizes, compatible with the K-range

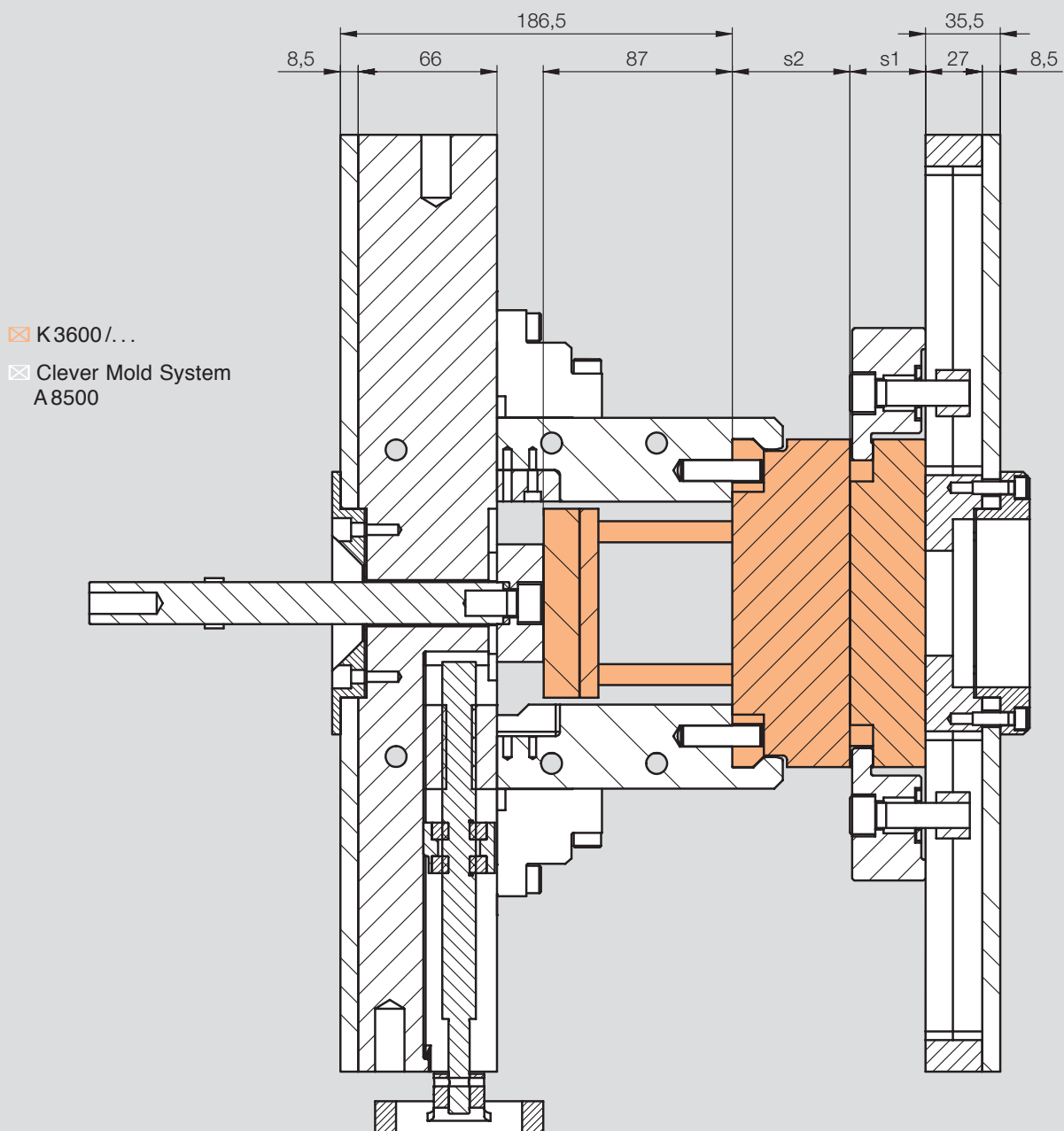
Le moule pour petites séries HASCO K3600/... a été spécialement développé pour la production à moindre coût de petites séries proches de la pratique.

Il s'agit d'un moule interchangeable spécialement adapté au HASCO Clever Mold System A8500/... et permettant un changement de moule efficace et rapide sur toutes les presses de moulage par injection courantes.

Le Clever Mold System, en combinaison avec le moule pour petites séries K3600/..., réduit les temps d'installation et les frais d'outillage.

Caractéristiques particulières

- Possibilité de changer facilement le module complet sur la presse de moulage par injection
- Aucune réduction de la surface utile de plaque grâce à l'utilisation de batteries d'éjection prédéfinies (par rapport à tous les systèmes classiques)
- Durées d'immobilisation minimales grâce au changement rapide des moules
- Plaques porte-empreintes sont disponibles dans les qualités 1.2767 et Toolox 33
- Frais d'outillage réduit
- Éprouvé dans la pratique
- 4 grandeurs de moules, compatibles avec le programme K



Einbaumaße

K3600/... Einbau

Im geöffnetem Zustand wird mit Hilfe des Handrades das komplette HASCO Kleinserienwerkzeug K3600/... über die Spannbacke des Clever Mold Systems in der Auswerferseite montiert.

Das Auswerferpaket wird über zwei Spannpratzen auf der Spannleiste befestigt.

Anschließend fährt die Maschine zusammen damit die Formplatte (FS) befestigt werden kann.

Mounting dimensions

K3600/... Assembly

When open, the complete HASCO quick interchangeable mould system K3600/... is installed on the ejector side with the clamping jaw of the Clever Mold System using the hand wheel.

The ejector assembly is fastened to the clamping bar via two clamping shoes.

Then the machine starts so that the fixed mould plate can be fastened.

Dimensions de montage

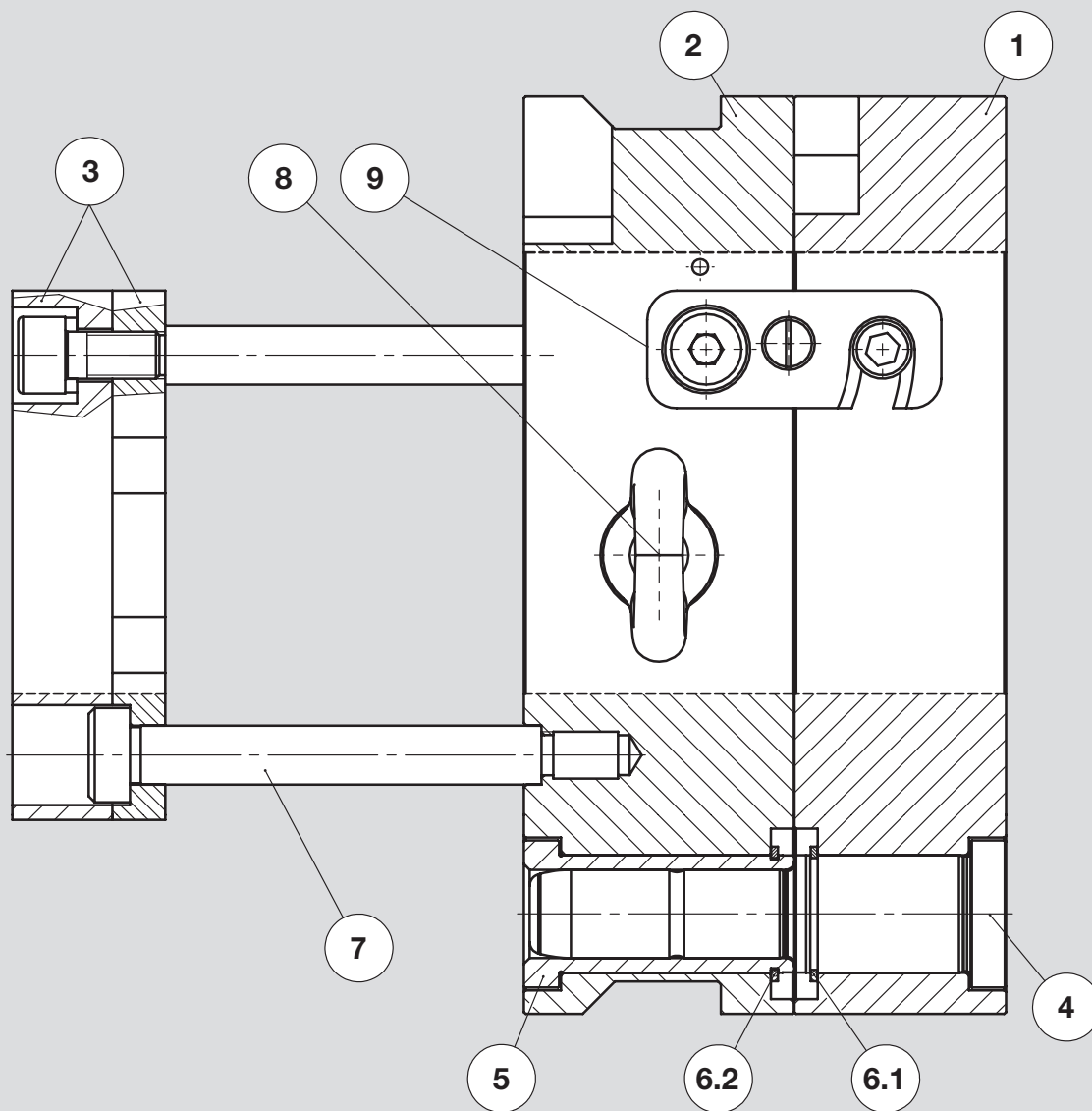
K3600/... Montage

En état ouvert, le système complet de moules à changement rapide K3600/... est monté du côté de l'éjecteur par le biais de la mâchoire de serrage du Système Clever Mold à l'aide du volant à main.

La batterie d'éjection est fixée sur la barre de serrage par le biais de deux griffes de serrage.

Ensuite, la presse est resserrée afin que la plaque porte-empreinte fixe puisse être attachée.





Stückliste

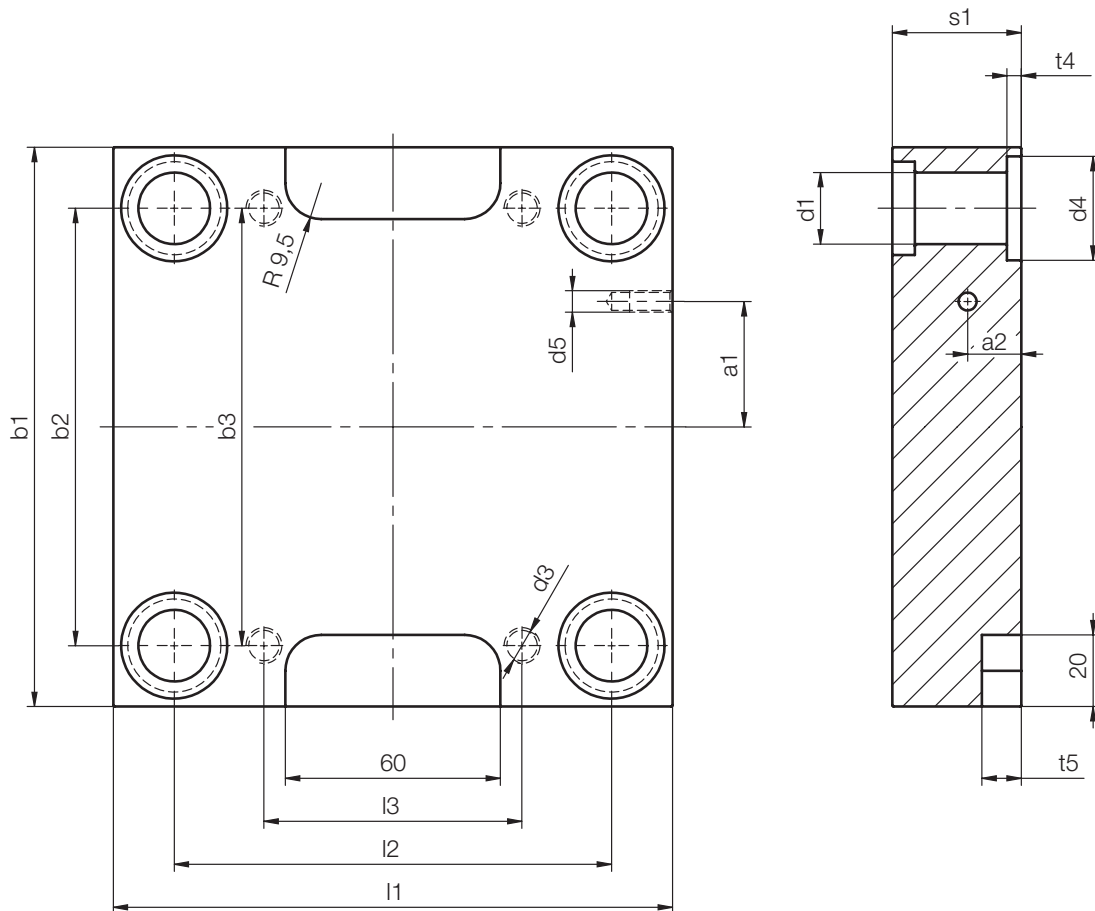
Parts list

Liste de pièces

Pos.	Benennung	Designation	Désignation	St./PC.	Nr./No.
1	Formplatte (FS)	Fixed mould plate	Plaque porte-empreinte fixe	1	K3620/...:
2	Formplatte (BS)	Moving mould plate	Plaque porte-empreinte mobile	1	K3621/...
3	Auswerferpaket	Ejector assembly	Batterie d'éjection	1	K3660-3670/...
4	Führungssäule	Guide pillar	Colonne de guidage	4	Z032/...
5	Führungsbuchse	Guide bush	Bague de guidage	4	Z11/...
6.1	Sicherungsring	External circlip	Circlip	4	Z67/...
6.2	Sicherungsring	External circlip	Circlip	4	Z67/...
7	Schulterschraube	Shoulder screw	Vis à tête cylindrique épaulée	4	Z38/10x70
8	Ringschraube	Lifting eye bolt	Anneau de levage	1	Z710/...
9	Werkzeugsicherung	Tool safety device	Sécutité d'outillage	1	Z73/...

K3620/...

Formplatte (FS)
Fixed mould plate
Plaque porte-empreinte fixe

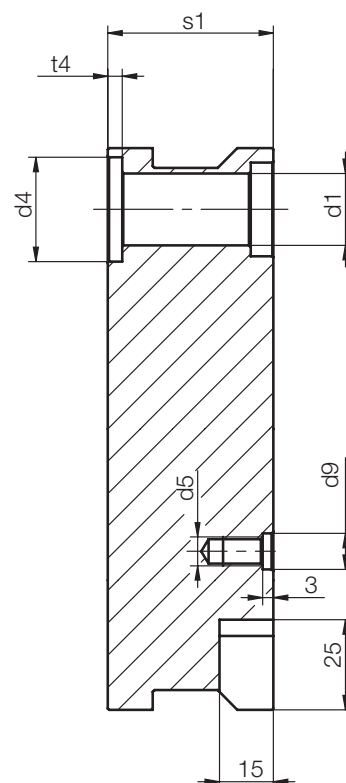
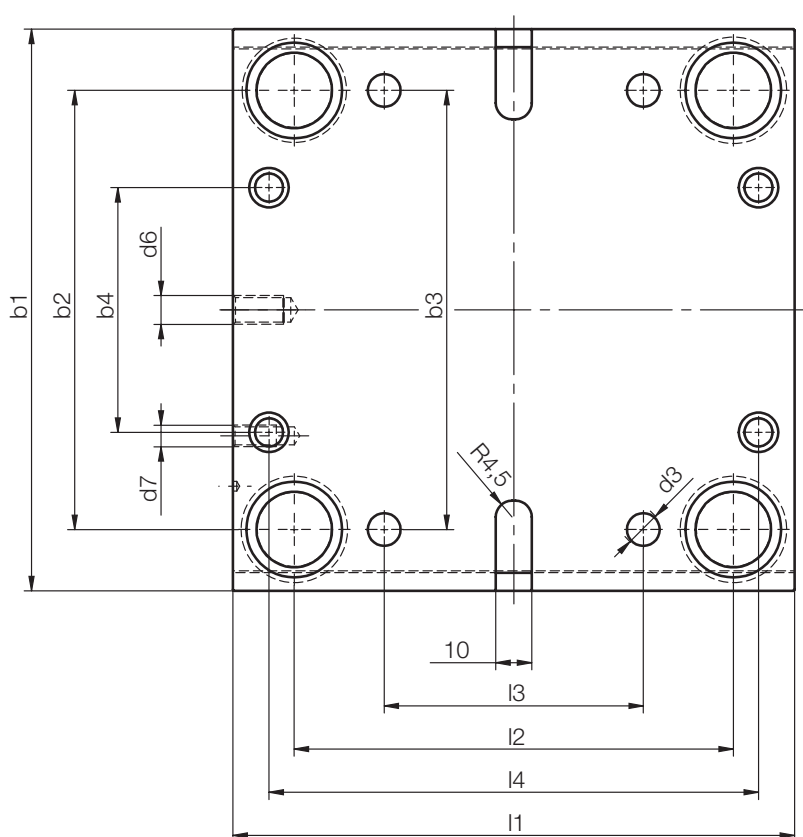


															Mat.		Nr. / No.
t5	t4	a2	a1	b3	b2	l3	l2	d5	d4	d3	d1	b1	l1	s1	1.2767	Toolx33	
11	4	15	35	122	122	72	122	M6	29	M10	20	156	156	36	■	■	K 3620/ 156 x 156 x 36 / Mat.
21														46	■	■	46
31														56	■	■	56
11				148	148	150	202		36		26	190	246	36	■	■	K 3620/ 190 x 246 x 36 / Mat.
21														46	■	■	46
31														56	■	■	56
21	5			200	200	186	244		41	M12	30	246	296	46	■	■	K 3620/ 246 x 296 x 46 / Mat.
31														56	■	■	56
41														66	■	■	66
21				248	248	284	340					296	396	46	■	■	K 3620/ 296 x 396 x 46 / Mat.
31														56	■	■	56
41														66	■	■	66



K3621/...

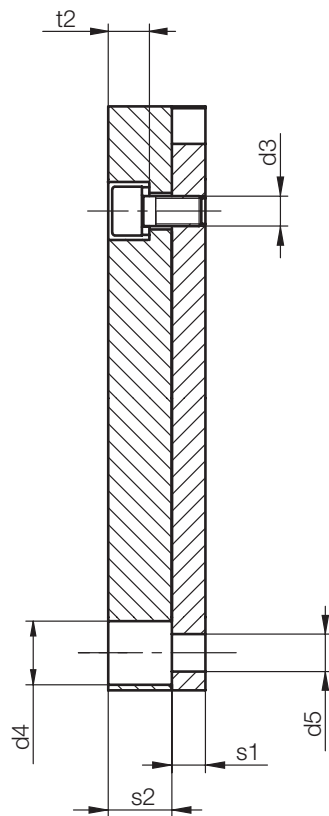
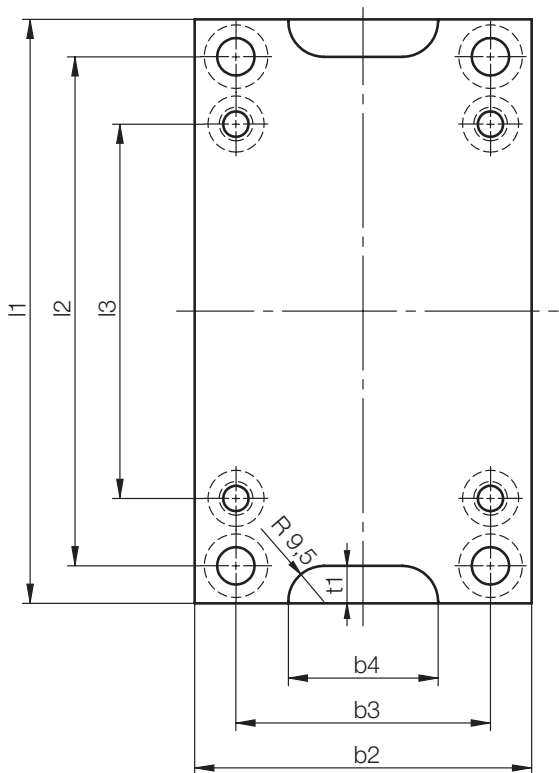
Formplatte (BS)
Moving mould plate
Plaque porte-empreinte mobile



																	Mat. 1.2767 Toolox33	
t4	b4	b3	b2	l4	l3	l2	d9	d7	d6	d5	d4	d3	d1	b1	l1	s1		Nr. / No.
4	68	122	122	136	72	122	10	M6	M8	M8	29	M10	20	156	156	46		K 3621/ 156 x 156 x 46 / Mat.
																	56	56
	90	148	148	216	150	202			M10	36	26	190	246	46		66	K 3621/ 190 x 246 x 46 / Mat.	
															66	66		
5	130	200	200	264	186	244		M12	41	M12	30	246	296	56		76	K 3621/ 246 x 296 x 56 / Mat.	
																76	76	
	176	248	248	364	284	340			296	396	66		86	K 3621/ 296 x 396 x 66 / Mat.				
													86	86				

K3660 - 3670/...

Auswerferpaket
Ejector assembly
Batterie d'éjection



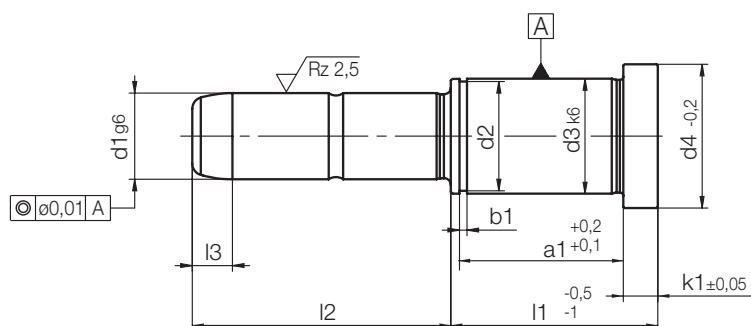
d5	d4	d3	l3	l2	b3	b2	s1	s2	b4	t2	t1	b1	l1	Mat.		Nr. / No.
														1.1730	1.2312	
10	17	M 8	100	136	68	90	9	17	40	11	10	156	156	■	■	K 3660-3670 / 156 x 156 / Mat.
			182	216	90	112	12					190	246	■	■	190 x 246
			230	264	130	158						246	296	■	■	246 x 296
			330	364	176	200	17	22				296	396	■	■	296 x 396



Z032/...

Führungssäule, ohne Zentrieransatz
Guide pillar, shouldered
Colonne de guidage, sans plot de centrage

Mat.: ≈ 1.0401/690 + 70 HV 30
≈ DIN 16761-B

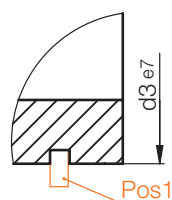
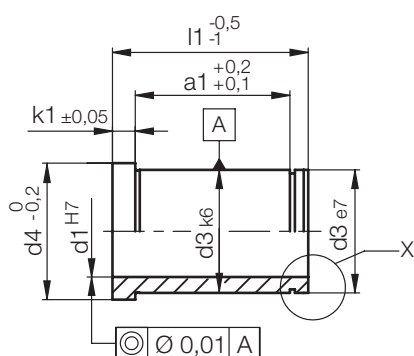


k1	a1	b1	l3	d4	d3	d2	l1	d1	l2	Nr. / No.
6	27,3	1,3	7	25	20	19	36	15	45	Z 032/36 x 15 x 45
							55		36 x 15 x 55	
	37,3						46		45	46 x 15 x 45
	47,3						56		35	56 x 15 x 35
							55		56 x 15 x 55	
	27,3			31	26	24,9	36	20	45	Z 032/36 x 20 x 45
							65		36 x 20 x 65	
	37,3	46					45		46 x 20 x 45	
		65					46 x 20 x 65			
	47,3	56					35		56 x 20 x 35	
		55		56 x 20 x 55						
	36,6	1,6		35	30	28,6	46	22	50	Z 032/46 x 22 x 50
									70	46 x 22 x 70
	46,6						56		55	56 x 22 x 55
							75		56 x 22 x 75	
	56,6		66				55		66 x 22 x 55	
			75				66 x 22 x 75			
	36,6						46	24	65	Z 032/46 x 24 x 65
									85	46 x 24 x 85
	46,6		56						55	56 x 24 x 55
									75	56 x 24 x 75
	56,6		66						55	66 x 24 x 55
							75	66 x 24 x 75		

Z11/...

Führungsbuchse, ohne Zentrieransatz
Guide bush, headed
Bague de guidage, sans plot de centrage

Mat.: $\approx$ 1.0401/690 + 70 HV 30
 $\approx$ DIN 16716-E



Umfangreiches Z 11/... Programm siehe
Z-Katalog, Bereich 1.

Refer to the Z-catalogue, section 1 for a comprehensive
range of Z 11/...

Pour une gamme complète Z 11/..., voir
le catalogue Z, secteur 1.

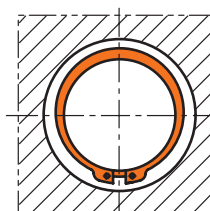
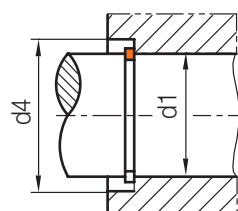
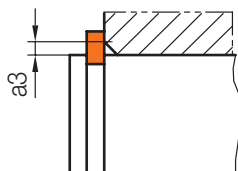
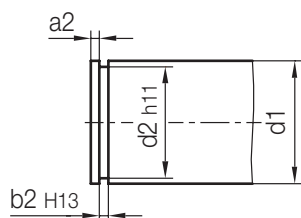
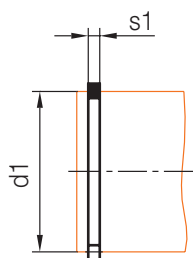
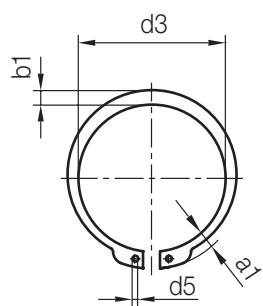
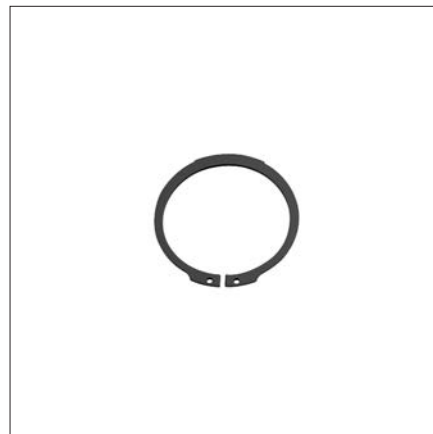
k1	a1	l2	d4	d3	l1	d1	Nr. / No.
6	36	46	25	20	46	15	Z11/ 46 x 15
	46	56			56		56
	36	46	31	26	46	20	Z11/ 46 x 20
	46	56			66		66

k1	a1	l2	d4	d3	l1	d1	Nr. / No.
6	45	56	35	30	56	22	Z11/ 46 x 15
	65	76			76		56
	55	66			66	24	Z11/ 46 x 20
	75	86			86		66

Z67/...

Sicherungsring, für Wellen
External circlip
Circlip pour arbre

DIN 471



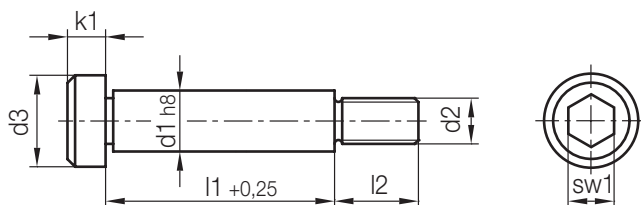
Umfangreiches Z67/... Programm siehe Z-Katalog, Bereich 2.
Refer to the Z-catalogue, section 2 for a comprehensive range of Z67/...
Pour une gamme complète Z67/..., voir le catalogue Z, secteur 2.

	≤ a3	≤ a2	a1	b2	b1	d5	d4	d3	d2	d1	s1	Nr. / No.
20	1,5	1,5	4	1,3	2,6	2	29	18,5	19	20	1,2	Z 67/ 20 x 1,2
10			4,5		3,1		36	24,2	24,9	26		26
	1,5	2,1	5	1,6	3,5		41	27,9	28,6	30	1,5	Z 67/ 30 x 1,5

Z38/...

SchulterSchraube
Shoulder screw
Vis à tête cylindrique épaulée

Mat.: 12.9/40±2 HRC
≈ ISO 7379



Umfangreiches Z38/... Programm siehe
Z-Katalog, Bereich 2.

Refer to the Z-catalogue, section 2 for a comprehensive
range of Z38/...

Pour une gamme complète Z38/..., voir
le catalogue Z, secteur 2.

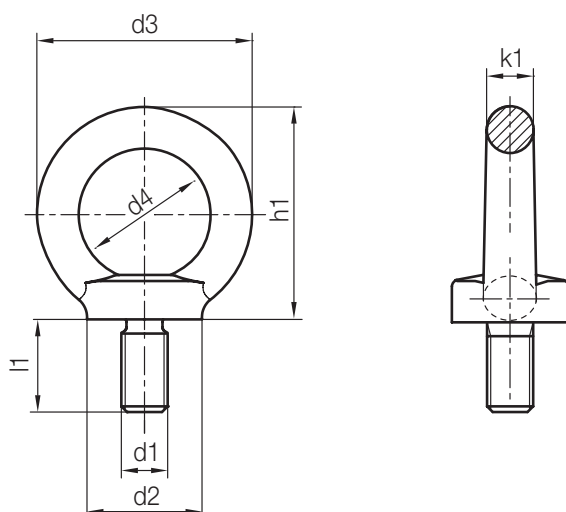
	sw1	k1	l2	d3	d2	d1	l1	Nr. / No.
4	5	7	13	16	M8	10	70	Z38/10x70

Z710/...

Ringschraube
Lifting eye bolt
Anneau de levage

Mat : C15E
DIN 580
Max. °C: 200

CE



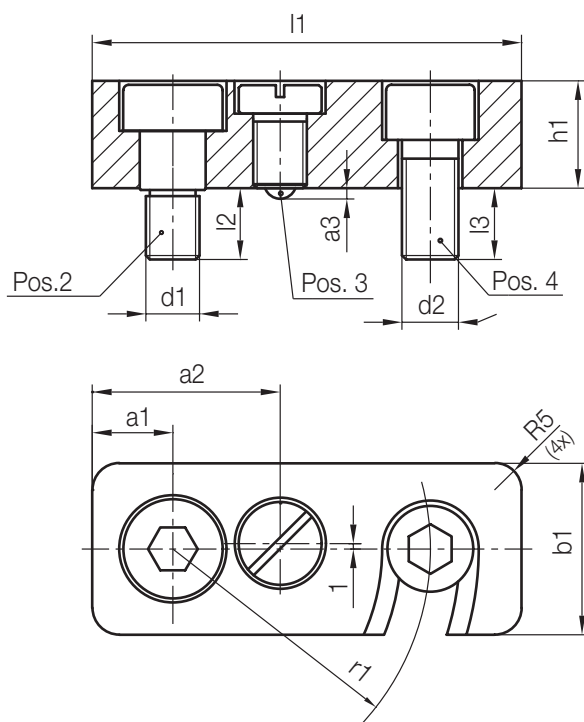
Umfangreiches Z710/... Programm siehe Z-Katalog, Bereich 2.
Refer to the Z-catalogue, section 2 for a comprehensive range of Z710/...
Pour une gamme complète Z710/..., voir le catalogue Z, secteur 2.

									
max. F1 [kg]	max. F2 [kg]	k1	h1	l1	d4	d3	d2	d1	Nr. / No.
140	100	8	36	13	20	36	20	M 8	Z710/ 8
230	170	10	45	17	25	45	25	M 10	10
340	240	12	53	20,5	30	54	30	M 12	12

Z73/...

Werkzeugsicherung
Tool safety device
Sécurité d'outillage

Mat.: 1.2312 / 1080 N/mm²
orange - pulverbeschichtet
powder coated
revêtement à la poudre



Umfangreiches Z73/... Programm siehe Z-Katalog, Bereich 2.
Refer to the Z-catalogue, section 2 for a comprehensive range of Z73/...
Pour une gamme complète Z73/..., voir le catalogue Z, secteur 2.

Pos. 4	Pos. 3	Pos. 2	r1	a3	a2	a1	l3	l2	d2	d1	h1	b1	l1	Nr. / No.
Z31/ 6x14	Z36/ 5x12	Z381/ 6x 6	30	0,9	24	10	8	9	M 6	M 6	12	20	50	Z73/12x20x50



Ermöglicher für Innovation
Enabler for innovation



***Ich entwickle
für Ihre
Formen
von Morgen.***

- HASCO-Produktentwicklung im Haus
- Vom Prototypen zum Neuprodukt
- Hohe Innovationsfrequenz
- Innovationspartnerschaften mit Kunden
- Produktivitätssteigerung für den Formenbau

***I develop
for your
moulds of
tomorrow.***

- In-house development
- Prototype to product
- High innovation frequency
- Close partnerships with customers
- Our goal is to boost your productivity

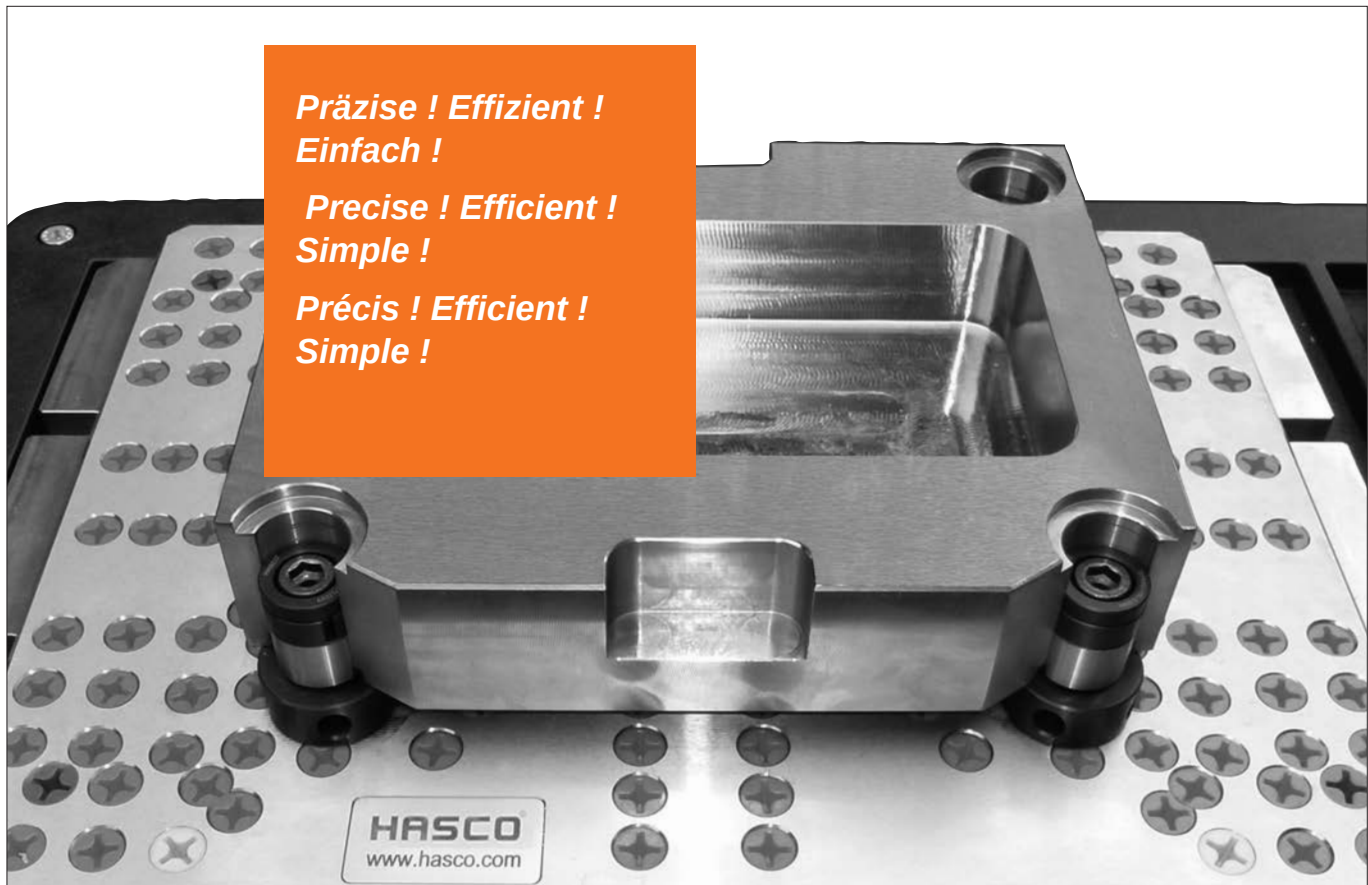
HASCO

Ermöglichen mit System.

A 8001/ . . .

Spannvorrichtung
Clamping fixture
Table de bridage





Die HASCO-Spannvorrichtung A 8001/... wurde zum präzisen Aufspannen und Ausrichten von HASCO K- und Auswerferplatten entwickelt.

Besondere Merkmale

- Wirtschaftliches Spannen von HASCO Systemplatten (K- und Auswerferplatten sowie Platten des Kleinserienwerkzeuges K 3600/...)
- Horizontale und vertikale Bearbeitung aller gängigen Werkzeugabmessungen problemlos möglich
- Hochpräzise Positionierung der Zentrieraufnahmen durch engste Toleranzen gewährleistet Wiederholgenauigkeiten von 10 µm
- Spreizspannen in den Systemen ermöglicht eine optimale 5-Seiten-Bearbeitung

The HASCO clamping device A 8001/... was developed for precision clamping and alignment of HASCO K-and ejector plates.

Special Features

- Cost-efficient clamping of HASCO system plates (K-plates, ejector plates as well as plates of the Small series mould K 3600/...)
- Problem-free horizontal and vertical machining of all common mould dimensions
- High-precision positioning of the location elements through very tight tolerances, ensuring a repeat accuracy of 10 µm
- Expanding collet clamping in the system holes permit optimum 5-side processing

La table de bridage A 8001/... de HASCO a été développée pour la fixation et l'orientation précises de plaques K et plaques d'éjection de HASCO.

Caractéristiques particulières

- Fixation rapide des plaques HASCO (K/..., batterie d'éjection ainsi que plaques de moule petite série type K 3600/...)
- Usinage horizontal et vertical avec tous types d'outils sans problème
- Positionnement ultra-précis par des tolérances de fabrication très serrées et répétabilité de 10 µm
- Fixation interne dans les alésages permettant des usinages de façon optimale sur les 5 faces



- Mit den drei Standardgrößen der A8001/... Grundplatten können alle Werkzeugabmessungen von 156 x 156 bis 596 x 796 bearbeitet werden
- Einfaches Handling durch separate Zubehör-Steckmodule sortiert nach Systemdurchmessern
- Minimale Rüstzeiten durch den Einsatz farbiger Stopfen zur Kennzeichnung der Stichmaß-Position für die Systemplatten
- Korrosionsbeständige A8001/... Grundplatten aus Edelstahl und DLC beschichtete Funktionselemente garantieren Verschleißminimierung und Langlebigkeit
- Sonderausführungen der Grundplatten nach Kundenwunsch realisierbar

- With the three standard sizes of the A8001/... base plates, all tool dimensions of 156 x 156 to 596 x 796 can be processed.
- Easy handling through separate accessory plug-in modules classified by system diameter
- Minimal set-up times through the use of coloured plugs to mark the hole positions for the system plates
- Corrosion-resistant A8001/... base plates in stainless steel and DLC-coated functional elements guarantee minimal wear and a long life
- Special customised base plate versions available

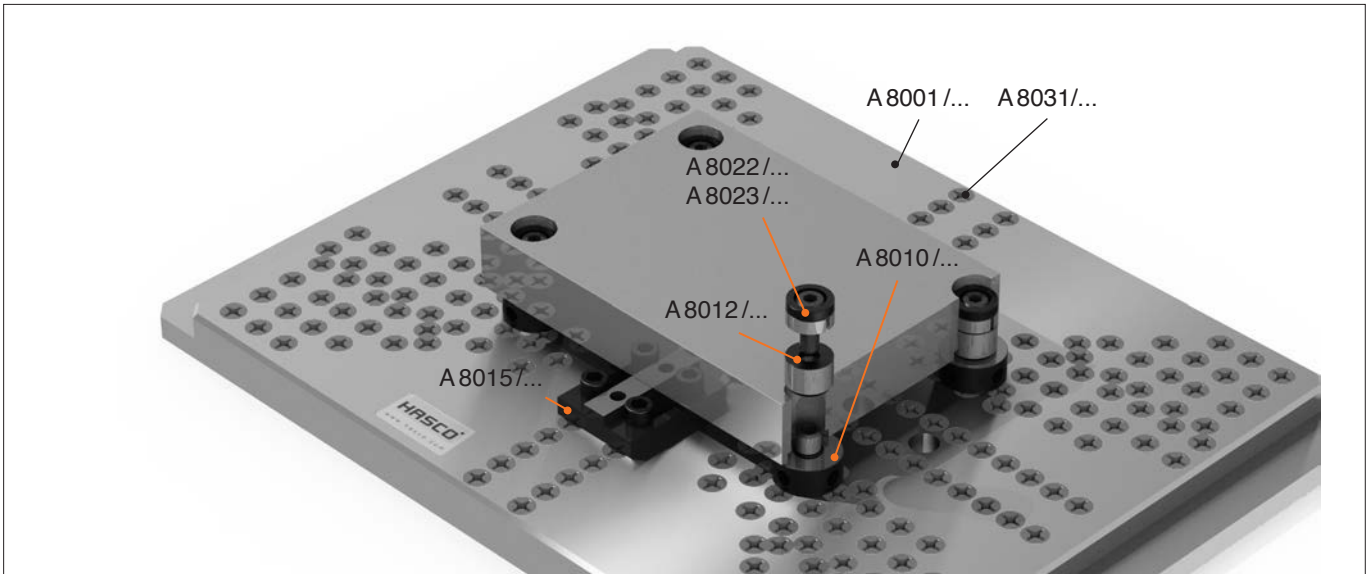
- Avec les trois tailles standard de plaques de base A8001/..., il est possible d'usiner toutes les tailles de moule de 156 x 156 jusqu'à 596 x 796
- Manipulation aisée grâce à un support d'accessoires séparé avec tri selon les diamètres de colonnage
- Temps de changement minimum grâce aux bouchons colorés permettant un repérage rapide et visuel des positions de colonnage
- Plaques de base A8001/... anti-corrosion en acier haute qualité 1.2099 et revêtement DLC sur les éléments de centrage garanti un minimum d'usure et une durée de vie inégalée
- Possibilité de réaliser des plaques de base sur-mesure selon le souhait du client



Spannen mit
Spreizelementen

Clamping with
expansion elements

Bridage de plaques avec
des éléments de serrage



Spannen von K-Platten mit Spreizelementen (A 8022 /... , A 8023 /...) in den Systembohrungen

Die Zentrieraufnahmen A8010/... werden auf die Grundplatte A8001/... mit der Montagehilfe A8037/... geschraubt.

Die Zentrieraufnahmen müssen das gleiche Stichmaß aufweisen wie die Systembohrungen der zu spannenden K-Platte (schnelle Umsetzung durch Stichmaßschablonen).

Anschließend wird die K-Platte auf die Zentrieraufnahmen gelegt und mit den Zentrierhülsen A8012/... positioniert.

Die K-Platte wird mit den Spreizelementen A8022/... oder A8023/..., abhängig des Systemdurchmessers, wiederholgenau gespannt.

Verwendung des Stützkörpers A 8015/...

Zum Abstützen, speziell von größeren und dünnen Platten, empfiehlt sich der Einsatz des Stützkörpers A8015/...

Verwendung der Ausziehstange A 8035 /... und Ausziehverlängerung A 8036 /...

Das Entfernen der Zentrierhülse A8012/... aus der Systembohrung, erfolgt mit der Ausziehstange A8035/...

Für tiefere Systembohrungen empfiehlt sich der Einsatz der Ausziehverlängerung A8036/..., welche auf die Ausziehstange aufgeschraubt wird.

Clamping of K-plates with expansion elements (A 8022 /... , A 8023 /...) in the guide holes

The location elements A8010/... are screwed to the base plate A8001/..., with the assembly tool A8037/...

The location elements must have the same gauge as the system bores of the K-plate to be clamped (rapid implementation through hole spacing templates).

Then the K-plate is placed on the location elements and positioned using the centring sleeves A8012/...

The K-plate is clamped repeat accurately with the expansion elements A8022/... or A8023/..., depending on the system diameter.

Use of support element A 8015/...

For support, especially of larger and thin plates, it is recommended to use the support element A8015/...

Use of the pulling bar A 8035 /... and extension A 8036 /...

The centring sleeve A8012/... is removed from the system bore with the pulling bar A8035/...

For deeper system bores it is recommended to use the extension, A8036/... which is screwed to the pulling bar.

Bridage de plaques K avec éléments de serrage (A 8022 /... , A 8023 /...) noyés dans les alésage

Les centreurs A8010/... seront vissés sur la plaque de base A8001/... avec l'outil de montage A8037/...

Les centreurs doivent présenter les mêmes cotes que les alésages de système des plaques K à visser (mise en oeuvre rapide avec jauges d'entre-axe).

Ensuite, la plaque K sera posée sur les centreurs et positionnée avec les douilles de centrage A8012/...

La plaque K sera fixée répétitivement avec les éléments de serrage A8022/... ou A8023/..., selon le diamètre du système.

Utilisation du support A 8015/...

Pour soutenir, spécialement les plaques des plus importantes et fins, il est recommandé d'utiliser l'élément de support A8015/...

Utilisation de l'extracteur A 8035 /... et de la rallonge d'extracteur A 8036 /...

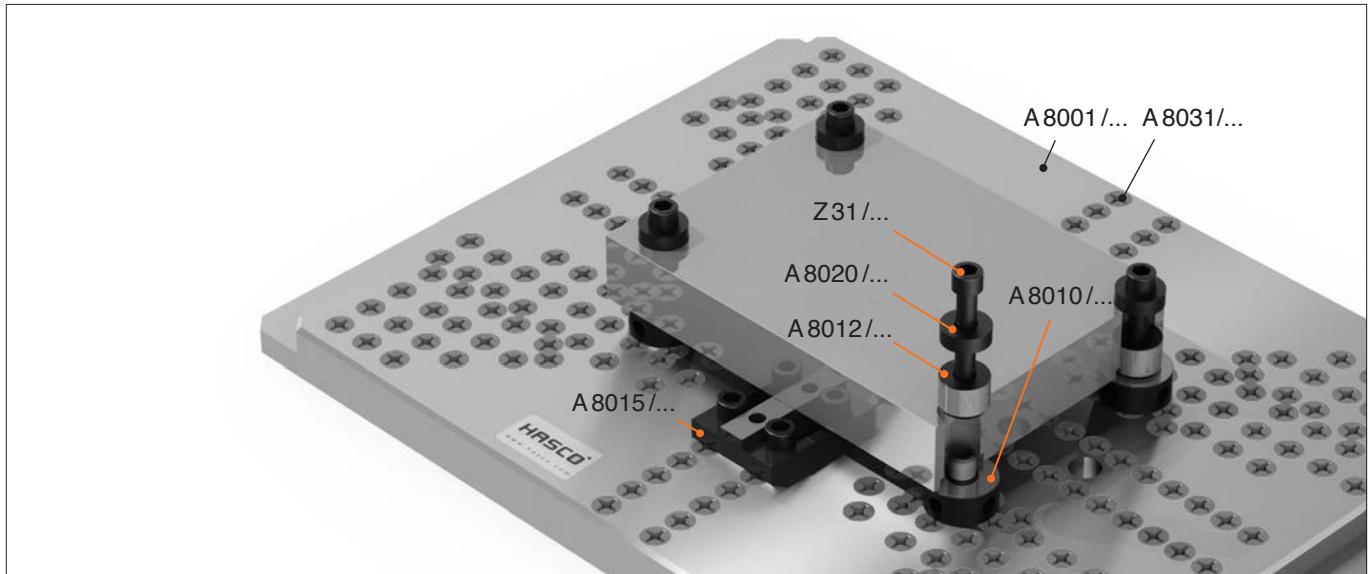
L'extracteur A8035/... sert à enlever la douille de centrage A8012/... de l'alésage de système.

Pour des alésages de système plus profonds, il est recommandé de recourir à la rallonge d'extracteur A8036/... qui sera vissée sur l'extracteur.

Spannen mit Spannscheibe

Clamping with locking washer

Fixation de plaques avec rondelle de serrage



Spannen von K-Platten mit Spannscheibe A 8020 / . . .

Die Zentrieraufnahmen A8010/... werden auf die Grundplatte A8001/... mit der Montagehilfe A8037/... geschraubt.

Die Zentrieraufnahmen müssen das gleiche Stichmaß aufweisen, wie die Systembohrungen der zu spannenden K-Platte.

Anschließend wird die K-Platte auf die Zentrieraufnahmen gelegt und mit den Zentrierhülsen A8012/... positioniert.

Gespannt wird die K-Platte, indem die Spannscheibe A8020/... mit den Zentrieraufnahmen, über Kreuz, mit Z31/... verschraubt werden.

Die Ausdrehung der Spannscheibe A8020/... muss in Richtung der Platte zeigen.

Vorzugsweise für große Plattenstärken und/oder zum Vorschruppen.

Verwendung der Montagehilfe A 8037/ . . .

Die Montagehilfe dient zum Ein- und Ausschrauben der Zentrieraufnahme A8010/... und Distanzsäule A8011/... und zum Demontieren der Verschlussstopfen A8031/...

Clamping of K-plates with locking washer A 8020 / . . .

The location elements A8010/... are screwed to the base plate A8001/... with the assembly tool A8037/...

The location elements must have the same gauge as the system bores of the K-plate to be clamped.

Then the K-plate is placed on the location elements and positioned with the centring sleeves A8012/...

The K-plate is clamped by screwing the locking washer A8020/... to the centring holders, diagonally, with Z31/...

The recess of the locking washer must face the plate.

For preferential use with thick plates and/or for roughing.

Use of the assembly tool A 8037/ . . .

The assembly tool is used for screwing the location element A8010/... and distance element A8011/... in and out and for dismantling the sealing plugs A8031/...

Fixation de plaques K avec rondelle de serrage A 8020 / . . .

Les centreurs A8010/... seront vissés sur la plaque de base A8001/... avec l'outil de montage A8037/...

Les centreurs doivent présenter les mêmes cotes que les alésages de système des plaques K à visser.

Ensuite, la plaque K sera posée sur les centreurs et positionnée avec les douilles de centrage A8012/...

La plaque K sera fixée en vissant, de manière croisée, les rondelles de serrage A8020/... avec centreurs, avec Z31/...

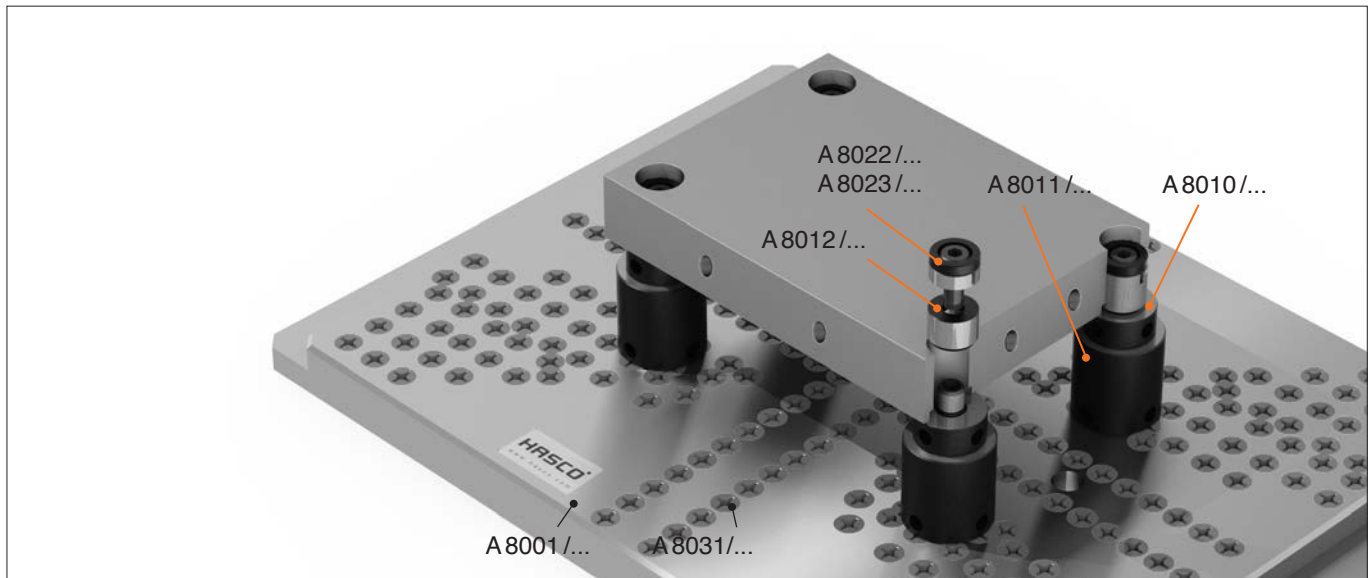
Le dévissage des rondelles de serrage doit être orienté contre la plaque.

De préférence pour les grandes épaisseurs et/ou ébauche.

Utilisation de l'outil de montage A 8037/ . . .

L'outil de montage sert au vissage et au dévissage du logement de centrage A8010/... et de l'entretoise A8011/... et pour le démontage des bouchons A8031/...





Spannen von K-Platten auch für seitliche Bearbeitungen

Auch für die seitliche Bearbeitungen empfiehlt sich der Einsatz von Distanzsäulen A8011/... Diese werden auf die Grundplatte A8001/... mit der Montagehilfe A8037/... geschraubt.

Die Distanzsäulen müssen das gleiche Stichmaß aufweisen wie die Systembohrungen der zu spannenden K-Platte.

Danach werden die Zentrieraufnahmen A8010/... auf die Distanzsäulen geschraubt.

Auf die Zentrieraufnahmen wird nun die K-Platte gelegt und mittels Zentrierhülsen A8012/... positioniert.

Die K-Platte kann nun mit den Spannscheiben A8020/... oder den Spreizelementen A8022/... oder A8023/..., abhängig des Systemdurchmessers, gespannt werden.

Verwendung der Verschlussstopfen A 8031/...

Die Verschlussstopfen A8031/... werden in die Bohrungen der Grundplatte A8001/... geschraubt und verhindern das Verschmutzen während der Bearbeitung.

Zur Markierung für schnelles Positionieren empfehlen sich die farbigen Verschlussstopfen A8031/... Typ 2-6 (als Kit A8051/...).

Clamping of K-plates also for lateral processing

Also for lateral processing it is recommended to use distance columns A8011/... These are screwed one above the other to the base plate A8001/... with the assembly tool A8037/...

The distance columns must have the same gauge as the system bores of the K-plate to be clamped.

Then the location elements A8010/... are screwed to the distance columns.

The K-plate is then placed on the location elements and positioned using centring sleeves A8012/...

The K-plate can then be clamped with the locking washers A8020/... or the expansion elements A8022/... or A8023/... depending on the system diameter.

Use of the sealing plugs A 8031/...

The sealing plugs A8031/... are screwed into the holes in the base plate A8001/... and prevent soiling during processing.

We recommend use of the coloured sealing plugs A8031/... type 2-6 (as kit A8051/...) to mark holes for rapid positioning.

Fixation de plaques K aussi pour usinage latéral

Aussi pour l'usinage latéral, il est recommandé d'utiliser les entretoises A8011/... Celles-ci étant vissées l'une sur l'autre sur la plaque de base A8001/... avec l'outil de montage A8037/...

Les entretoises doivent présenter les mêmes cotes que les alésages de système des plaques K à visser.

Ensuite, les centreurs A8010/... seront vissés sur les entretoises.

La plaque K sera posée alors posée sur les centreurs et positionnée avec les douilles de centrage A8012/...

La plaque K pourra alors être fixée avec les rondelles de serrage A8020/... ou les élément de serrage A8022/... ou A8023/..., selon le diamètre du système.

Utilisation des bouchons A 8031/...

Le bouchon A8031/... sera vissé dans les orifices de la plaque de base A8001/... et empêche ainsi la pénétration d'impuretés pendant l'usinage.

Pour la visualisation et un positionnement rapide nous vous recommandons les bouchons colorés A8031/... type 2-6 (en kit A8051/...).

Spannen von HASCO K-Platten

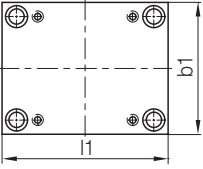
Auflistung von HASCO K-Platten,
die mit der Spannvorrichtung A 8001/...
gespannt werden können.

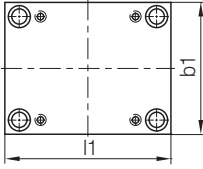
Clamping of HASCO K-plates

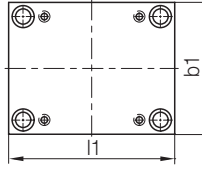
List of HASCO K-plates which can
be clamped with the clamping device
A 8001/...

Fixation de plaques K de HASCO

Liste des plaques K de HASCO qui
peuvent être fixées avec le dispositif
de fixation A 8001/...

				
b x l	d1	A 8001/1 (366 x 546)	A 8001/2 (466 x 646)	A 8001/3 (556 x 846)
156 x 156	ø 20	X	X	X
156 x 196		X	X	X
156 x 246		X	X	X
156 x 296		X	X	X
156 x 346		X	X	X
190 x 246	ø 26	X	X	X
196 x 196	ø 26	X	X	X
196 x 296	ø 30	X	X	X
196 x 346		X	X	X
196 x 396		X	X	X
196 x 446		X	X	X
196 x 496		X	X	X
218 x 246	ø 26	X	X	X
218 x 296	ø 30	X	X	X
246 x 246	ø 30	X	X	X
246 x 296		X	X	X
246 x 346		X	X	X
246 x 396		X	X	X
246 x 446		X	X	X
246 x 496		X	X	X
246 x 546			X	X
246 x 596			X	X

				
b x l	d1	A 8001/1 (366 x 546)	A 8001/2 (466 x 646)	A 8001/3 (556 x 846)
296 x 296	ø 30	X	X	X
296 x 346		X	X	X
296 x 396		X	X	X
296 x 446		X	X	X
296 x 496		X	X	X
296 x 546			X	X
296 x 596			X	X
296 x 646	ø 42			X
296 x 696				X
346 x 346	ø 30	X	X	X
346 x 396	ø 42	X	X	X
346 x 446		X	X	X
346 x 496		X	X	X
346 x 546			X	X
346 x 596			X	X
346 x 646				X
346 x 696				X
346 x 796				X
396 x 396	ø 42	X	X	X
396 x 446		X	X	X
396 x 496		X	X	X
396 x 546			X	X
396 x 596			X	X
396 x 646				X
396 x 696				X
396 x 796				X

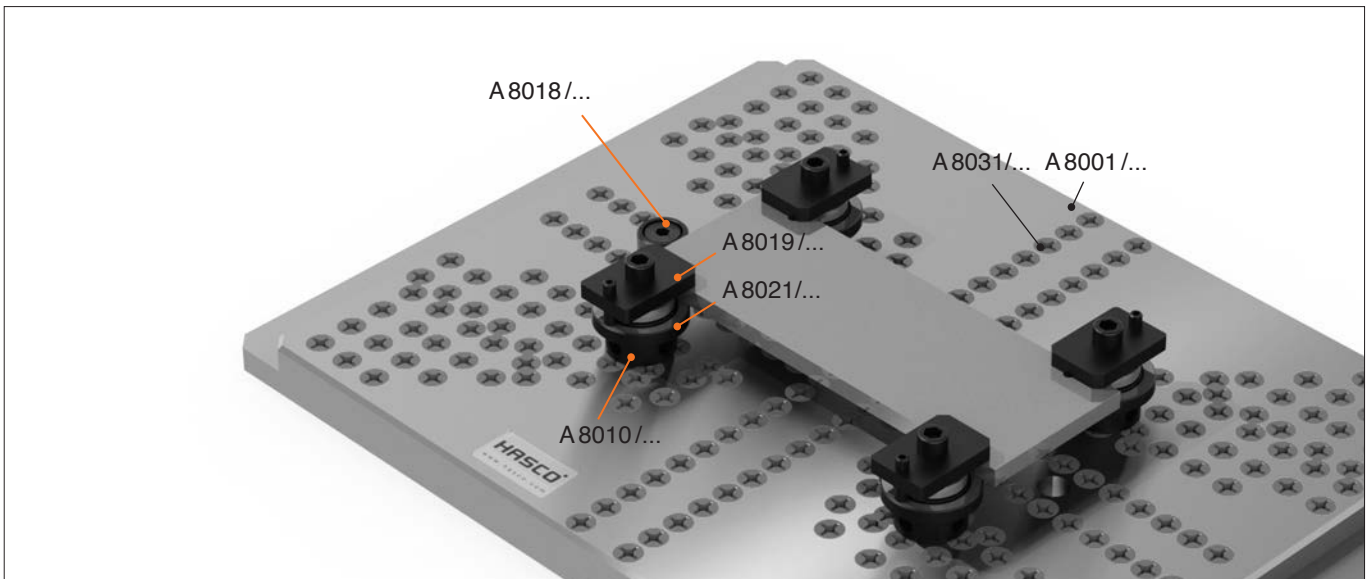
				
b x l	d1	A 8001/1 (366 x 546)	A 8001/2 (466 x 646)	A 8001/3 (556 x 846)
446 x 446	ø 42		X	X
446 x 496			X	X
446 x 546			X	X
446 x 596			X	X
446 x 646				X
446 x 696				X
446 x 796				X
496 x 496	ø 42		X	X
496 x 546			X	X
496 x 596			X	X
496 x 646				X
496 x 696				X
496 x 796	ø 54			X
546 x 546	ø 42			X
546 x 596				X
546 x 646				X
546 x 696				X
546 x 796	ø 54			X
596 x 596	ø 42			X
596 x 646	ø 54			X
596 x 696				X
596 x 796				X

Bei den markierten quadratischen
Plattengrößen ist eine Aufspannung
auch um 90° verdreht möglich.

The square plate sizes that are marked
can also be rotated through 90° and
clamped.

Les plaques rectangulaires repérées
peuvent également être positionnées
à 90°.





**Spannen von HASCO
Auswerferplatten K 60 und K 70**

Problemloses Spannen von
Auswerferplatten.

Die Zentrieraufnahmen A8010/... sind durch vorherige K-Spannung mit entsprechender Formgröße positioniert. Es werden auf einer Seite zwei Auflageteller A8021/... als Anschlag und Auflage verwendet.

Durch die Positionierung mit einem Anschlagelement A8018/... wird eine 3-Punkt Anlage realisiert. Auf der gegenüberliegenden Seite kommen zwei A8021/... mit kleinerem Durchmesser (mit Markierung) als Auflage zum Einsatz.

Zum Spannen der Auswerferplatte werden vier Spanneisen A8019/... mit Z31/... verwendet.

**Clamping of HASCO
ejector plates K 60 and K 70**

Problem-free clamping of ejector plates.

The locating elements A8010/... are positioned by the previous K clamping with corresponding mould size. Two support plates A8021/... are used as a limit stop and support on one side.

A 3-point system is realised by positioning stop device A8018/...

Two A8021/... with a smaller diameter (with marking) than the support are used on the opposite side.

For tensioning the ejector plate, four clamps A8019/... with Z31/... are used.

**Bridage de plaques batterie
type K 60 , K 70 de HASCO**

Fixation facile de plaques d'éjection.

Les centreurs A8010/... sont positionnées avec la taille de moules adéquate grâce à la fixation K précédent. Deux A8021/... sont utilisées d'un côté comme butée et appui.

Un système à 3 points est réalisé grâce au positionnement de l'A8018/...

Du côté opposé, deux entretoises support A8021/... d'un diamètre inférieur (avec marquage) sont utilisées avec comme appui.

Pour la fixation de la plaque d'éjection, quatre brides de fixation A8019/... sont serrées avec Z31/...

Spannen von HASCO Auswerferplatten K 60 und K 70

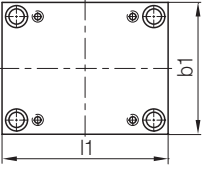
Auflistung von HASCO Auswerferplatten, welche mit der Spannvorrichtung A 8001/... gespannt werden können.

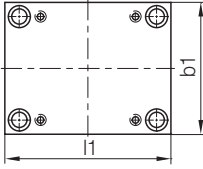
Clamping of HASCO ejector plates K 60 and K 70

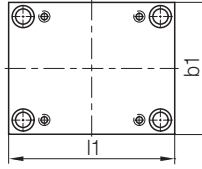
List of HASCO ejector plates which can be clamped with the clamping device A 8001/...

Fixation des plaques d'éjection de HASCO K 60 et K 70

Liste des plaques d'éjection de HASCO qui peuvent être fixées avec le dispositif de fixation A 8001/...

				
b x l	d1	A 8001/1 (366 x 546)	A 8001/2 (466 x 646)	A 8001/3 (556 x 846)
156 x 156	ø 20	X	X	X
156 x 196		X	X	X
156 x 246		X	X	X
156 x 296		X	X	X
156 x 346		X	X	X
190 x 246	ø 26	X	X	X
196 x 196	ø 26	X	X	X
196 x 296	ø 30	X	X	X
196 x 346		X	X	X
196 x 396		X	X	X
196 x 446		X	X	X
196 x 496		X	X	X
218 x 246	ø 26	X	X	X
218 x 296	ø 30	X	X	X
246 x 246	ø 30	X	X	X
246 x 296		X	X	X
246 x 346		X	X	X
246 x 396		X	X	X
246 x 446		X	X	X
246 x 496		X	X	X
246 x 546			X	X
246 x 596			X	X

				
b x l	d1	A 8001/1 (366 x 546)	A 8001/2 (466 x 646)	A 8001/3 (556 x 846)
296 x 296	ø 30	X	X	X
296 x 346		X	X	X
296 x 396		X	X	X
296 x 446		X	X	X
296 x 496		X	X	X
296 x 546			X	X
296 x 596			X	X
296 x 646	ø 42			X
296 x 696				X
346 x 346	ø 30	X	X	X
346 x 396	ø 42	X	X	X
346 x 446		X	X	X
346 x 496		X	X	X
346 x 546			X	X
346 x 596			X	X
346 x 646				X
346 x 696				X
346 x 796				X
396 x 396	ø 42	X	X	X
396 x 446		X	X	X
396 x 496		X	X	X
396 x 546			X	X
396 x 596			X	X
396 x 646				X
396 x 696				X
396 x 796				X

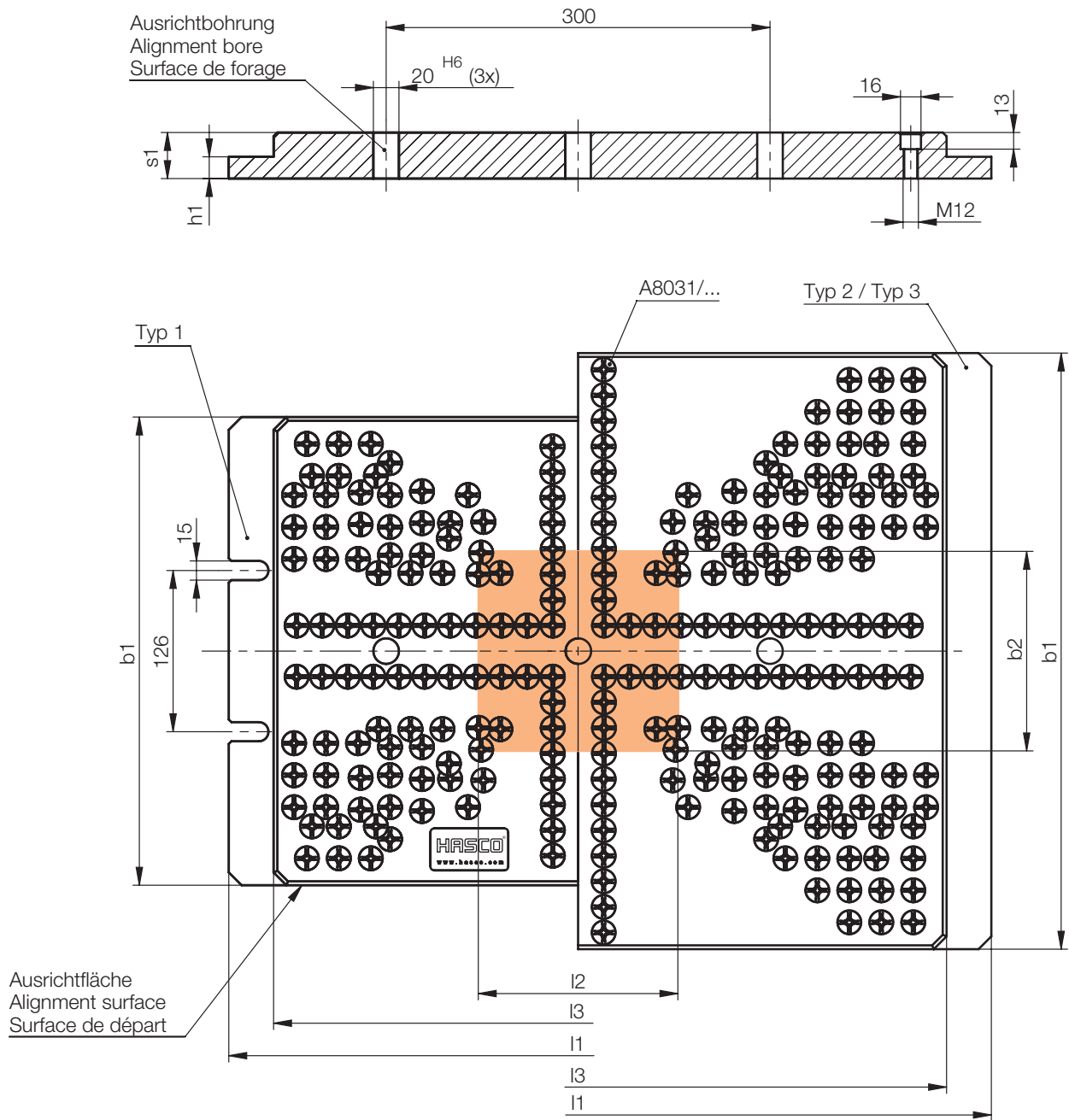
				
b x l	d1	A 8001/1 (366 x 546)	A 8001/2 (466 x 646)	A 8001/3 (556 x 846)
446 x 446	ø 42		X	X
446 x 496			X	X
446 x 546			X	X
446 x 596			X	X
446 x 646				X
446 x 696				X
446 x 796				X
496 x 496	ø 42		X	X
496 x 546			X	X
496 x 596			X	X
496 x 646				X
496 x 696				X
496 x 796	ø 54			X
546 x 546	ø 42			X
546 x 596				X
546 x 646				X
546 x 696				X
546 x 796	ø 54			X
596 x 596	ø 42			X
596 x 646	ø 54			X
596 x 696				X
596 x 796				X



A8001/...

Grundplatte
Base plate
Plaque de base

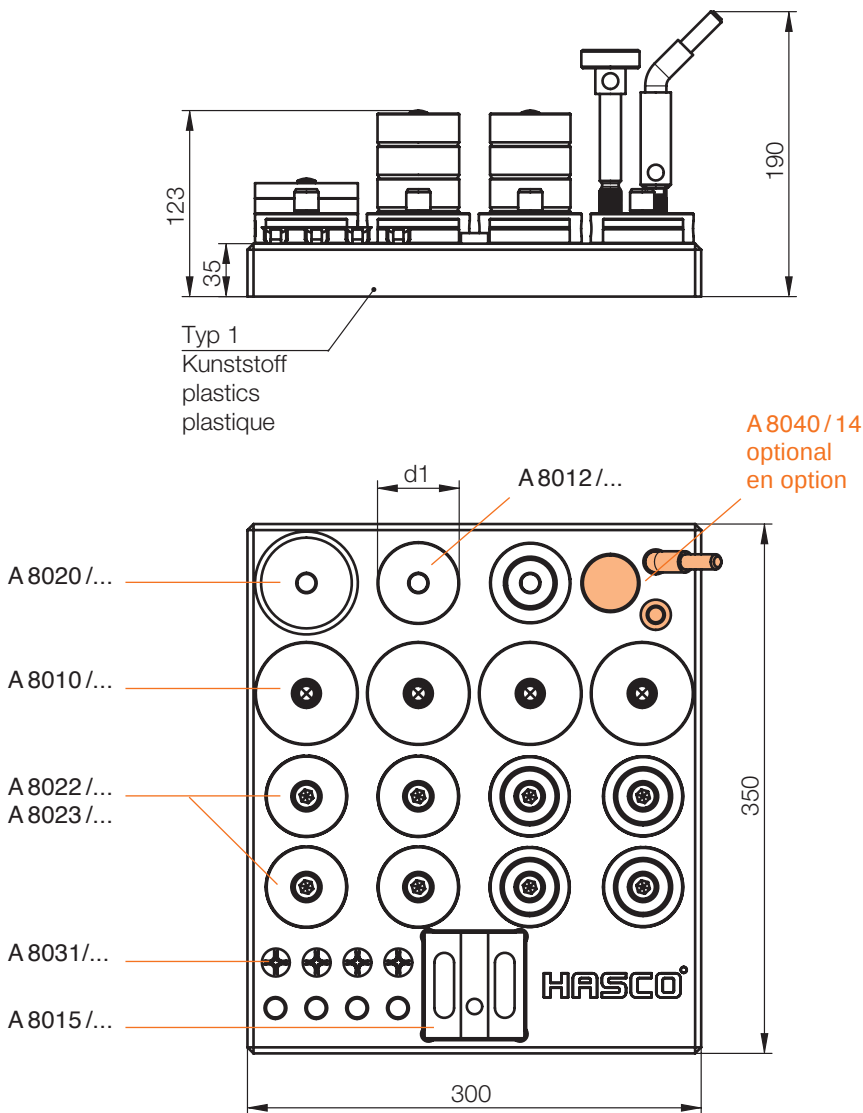
Mat.: 1.2099 HASCO.M / 1060 N/mm²



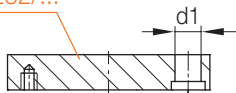
h1	s1	min.	max.	b1	l3	min.	max.	l1	Typ	Nr. / No.
17	36	156	396	366	476	156	496	546	1	A 8001 / 1
			496	466	576		596	646	2	2
23	46		596	556	776		796	846	3	3

A8005/1...

Steckmodul, bestückt
Plug-in module, fitted
Module plug-in, monté



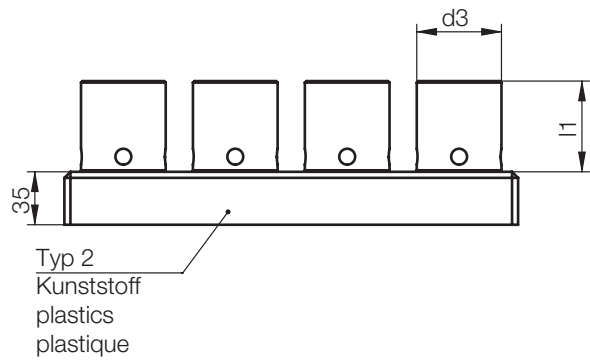
z.B. / e.g. / p. ex.
K 20/...
K 252/...



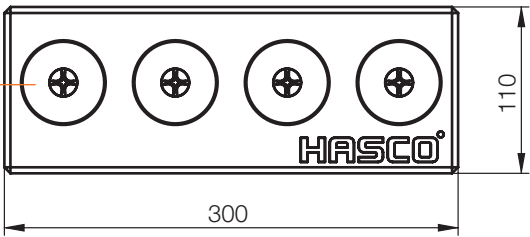
Ø d1	Typ 1 Modul module module	Typ 2 Bestückung assembly équipement	Nr. / No.
20	1	1	A 8005 / 1 x 1
26		2	2
30		3	3
42		4	4
54		5	5

A8005/2...

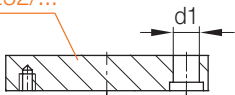
Steckmodul, bestückt
Plug-in module, fitted
Module plug-in, monté



A8011/...



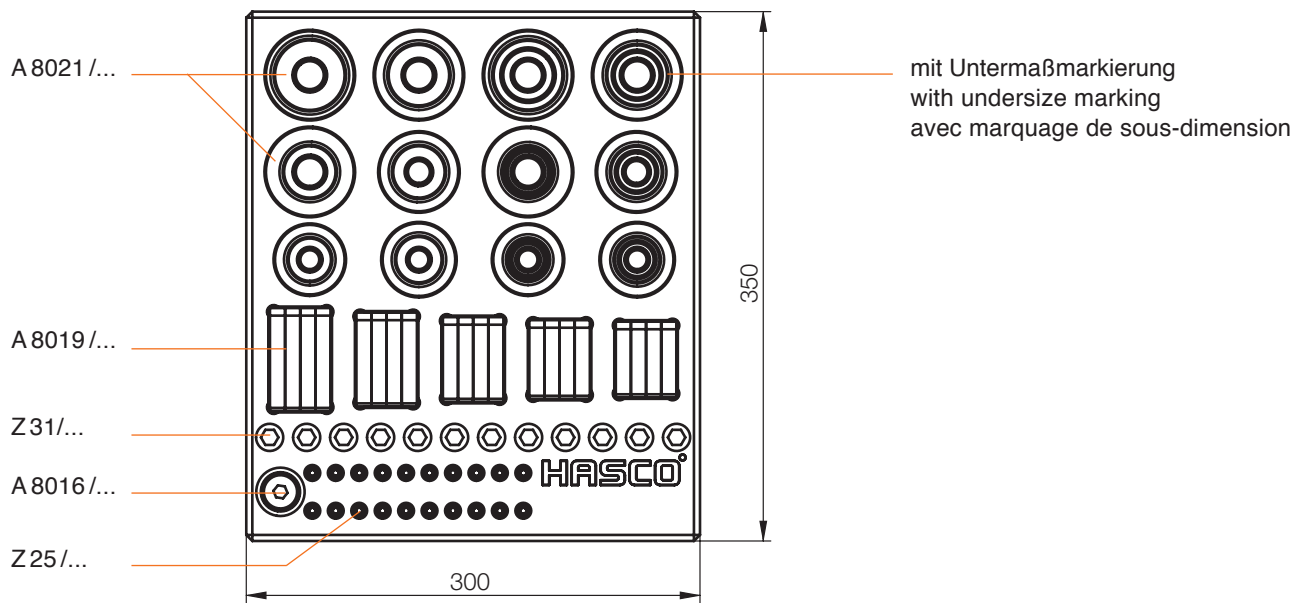
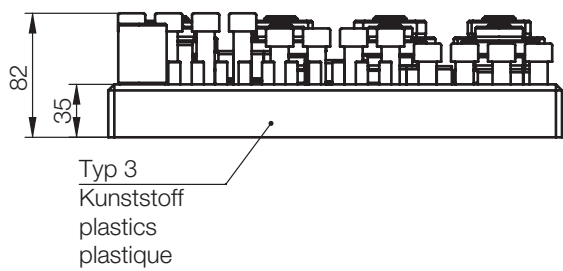
z.B. / e.g. / p. ex.
K 20/...
K 252/...



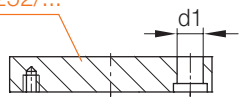
Ø d1	d3	l1	Typ 1 Modul module module	Typ 2 Bestückung assembly équipement	Nr. / No.
20	56	60	2	1	A 8005/2 x 1
26					
30					
42					
20	56	90		2	A 8005/2 x 2
26					
30					
42					
54	68	60		3	A 8005/2 x 3
		90		4	A 8005/2 x 4

A8005/3...

Steckmodul, bestückt
Plug-in module, fitted
Module plug-in, monté



z.B. / e.g. / p. ex.
K 20/...
K 252/...

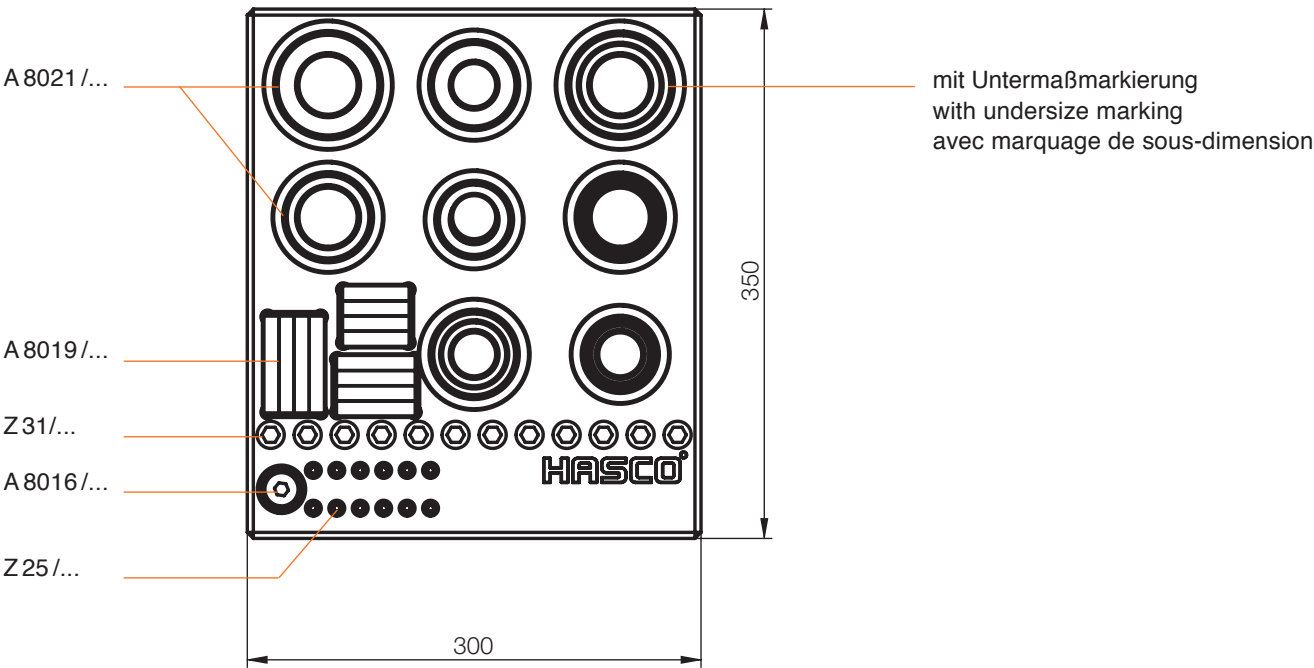
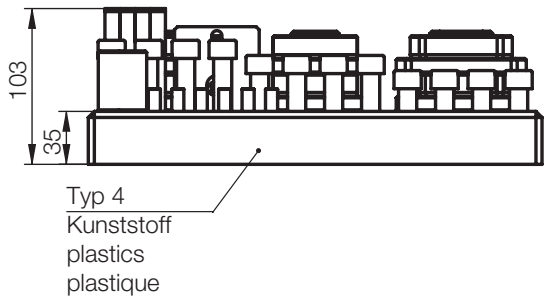


Ø d1	Typ 1 Modul module	Typ 2 Bestückung assembly équipement	Nr. / No.
20	3	1	A 8005 / 3 x 1
26			
30			

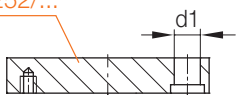


A8005/4...

Steckmodul, bestückt
Plug-in module, fitted
Module plug-in, monté



z.B. / e.g. / p. ex.
K 20/...
K 252/...

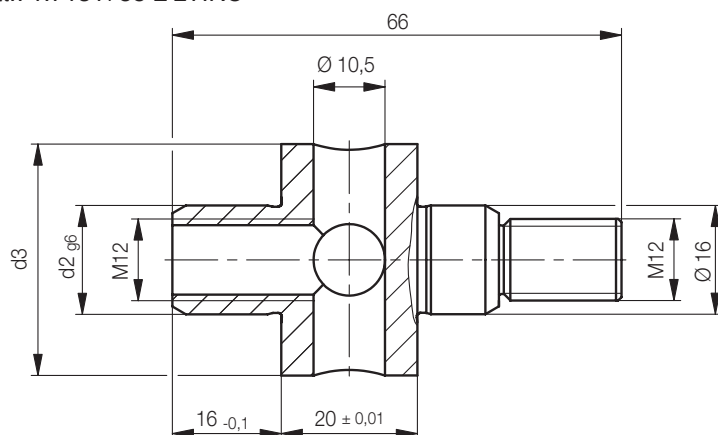


	Typ 1 Modul module module	Typ 2 Bestückung assembly équipement	Nr. / No.
Ø d1			
42	4	1	A 8005 / 4 x 1
54			

A8010/...

Zentrieraufnahme
Locating element
Centreur

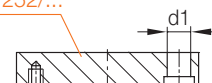
Mat.: 1.7131/58 ± 2 HRC



z.B. / e.g. / p. ex.

K 20/...

K 252/...

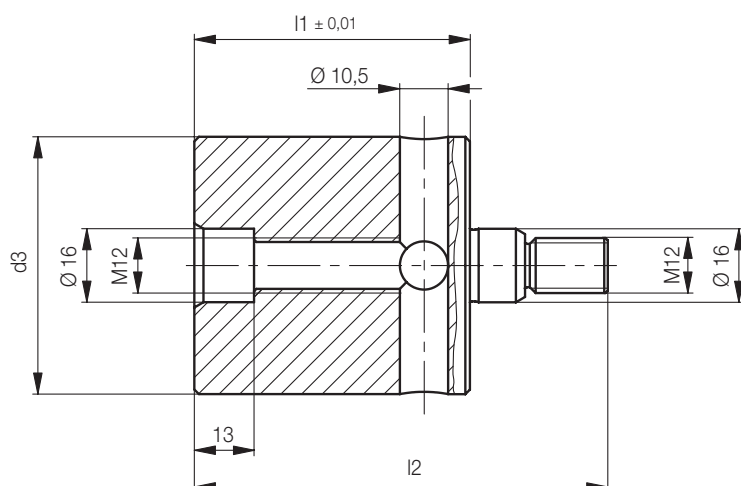


	K 252	K 20		
d2	ø d1	Ø d1	d3	Nr. / No.
16	19,6	20	34	A 8010/20x34
18	25,5	26	40	26x40
22	29,4	30	44	30x44
32	41,3	42	56	42x56
42	53,2	54	68	54x68

A8011/...

Distanzsäule
Distance column
Entretoise

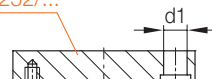
Mat.: 1.7131/58 ± 2 HRC



z.B. / e.g. / p. ex.

K 20/...

K 252/...



	K 252	K 20			
l2	ø d1	Ø d1	d3	l1	Nr. / No.
90	19,6	20	56	60	A 8011/56x60
	25,5	26			
	29,4	30			
	41,3	42			
120	19,6	20	56	90	A 8011/56x90

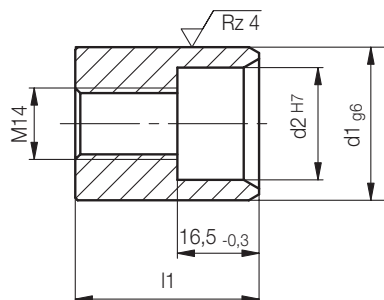
	K 252	K 20			
l2	ø d1	Ø d1	d3	l1	Nr. / No.
120	25,5	26	56	90	A 8011/56x90
	29,4	30			
	41,3	42			
90	53,2	54	68	60	A 8011/68x60
120				90	A 8011/68x90



A8012/...

Zentrierhülse
Centring sleeve
Douille de centrage

Mat.: 1.7131 / 58 ± 2 HRC



mit Untermaßmarkierung / with undersize marking
avec marquage de sous-dimension

Typ	d2	d1	l1	Nr. / No.
1	16	19,6	21,5	A 8012 / 19,6 x 21,5
		20		20
	18	25,5		25,5
		26		26
		29,4		29,4
	22	29,4		29,4



z.B. / e.g. / p. ex.
K 20/...
K 252/...

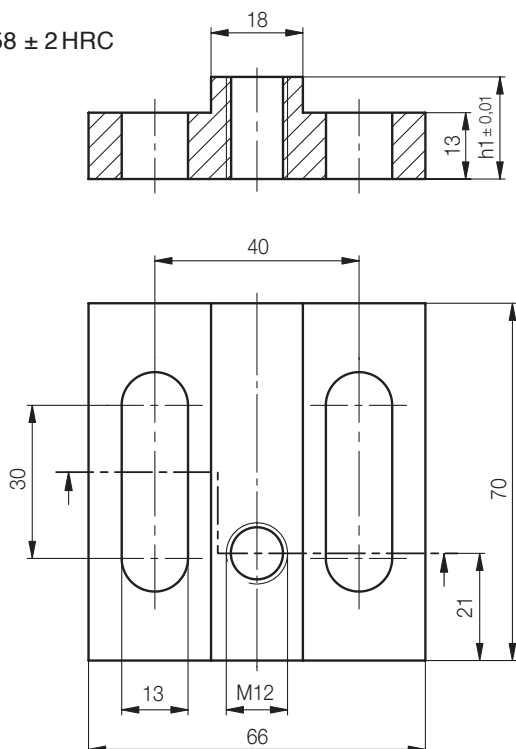


Typ	d2	d1	l1	Nr. / No.
1	22	30	21,5	A 8012 / 30 x 21,5
		41,3		41,3
	32	42		42
		53,2		53,2
	42	54		54
		54		54

A8015/...

Stützkörper
Support element
Élément de support

Mat.: 1.2162 / 58 ± 2 HRC

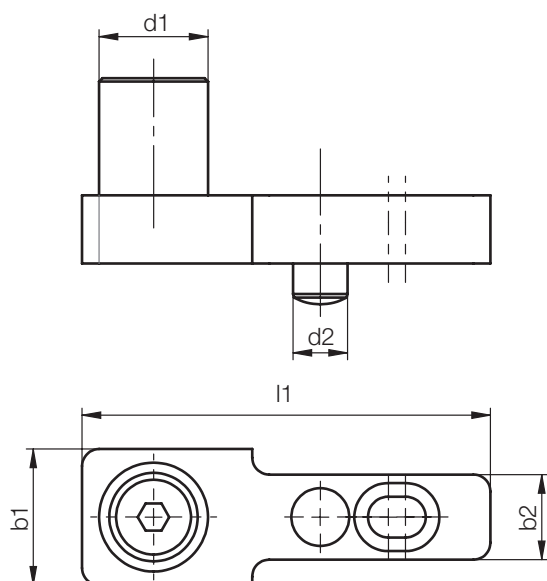


h1	Nr. / No.
20	A 8015 / 20
30	30

A8018/...

Anschlagelement
Stop device
Butée

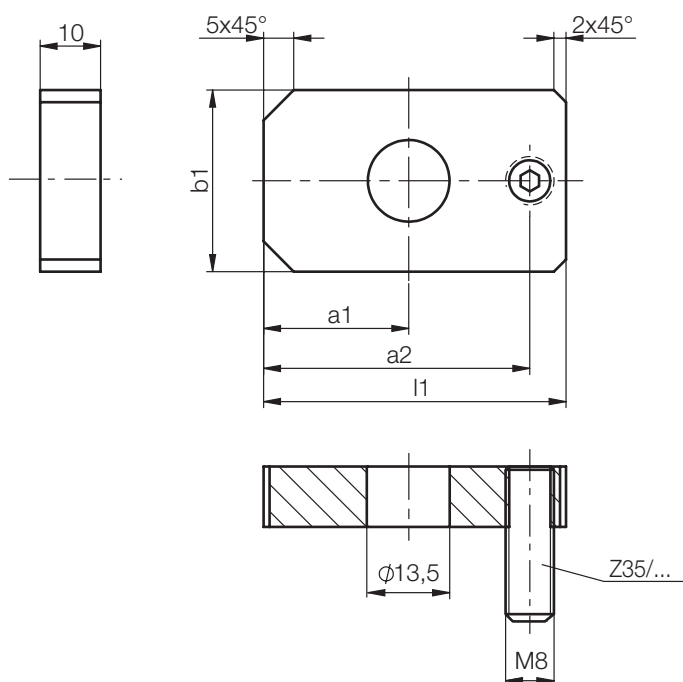
Mat.: 1.7131 / 58 ± 2 HRC



b2	b1	l1	d2	d1	Nr. / No.
25	40	120	16	32	A 8018/32

A8019/...

Spanneisen
Clamp
Bride de fixation



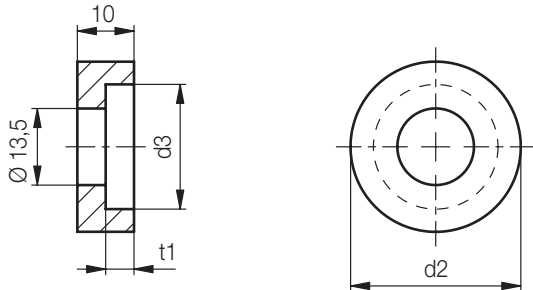
l1	a1	a2	b1	Nr. / No.
50	24	44	30	A 8019/30
52	25	46	32	32
56	27	50	36	36
62	30	56	42	42
68	33	62	48	48
76	37	70	56	56
88	43	82	68	68



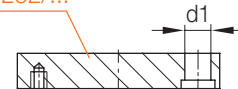
A8020/...

Spannscheibe
Locking washer
Rondelle de serrage

Mat.: 1.2312 / 1080 N/mm²



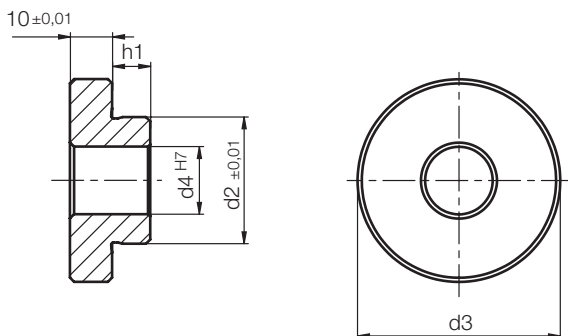
z.B. / e.g. / p. ex.
K 20/...
K 252/...



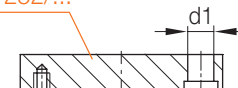
t1	d3	K 252	K 20	d2	Nr. / No.
		Ø d1	Ø d1		
5	22	19,6	20	30	A 8020 / 20 x 30
	30	25,5	26	38	26 x 38
1	36	29,4	30	44	30 x 44
	48	41,3	42	56	42 x 56
	60	53,2	54	68	54 x 68

A8021/...

Auflageteller
Support plate
Entretoise support



z.B. / e.g. / p. ex.
K 20/...
K 252/...



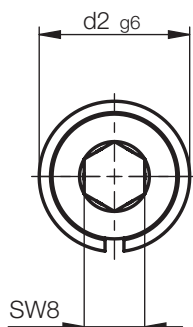
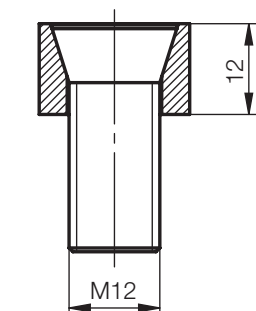
mit Untermaßmarkierung / with undersize marking
avec marquage de sous-dimension

h1	d4	d3	Ø d1	d2	Nr. / No.
9	16	48	20	29,5	A 8021 / 20 x 29,5
				30	30
		50		31,5	31,5
				32	32
11	18	54	26	35,5	A 8021 / 26 x 35,5
				36	36
	22	60	30	35,5	A 8021 / 30 x 35,5
				36	36
				41,5	41,5
				42	42

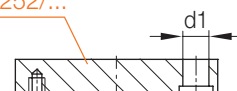
h1	d4	d3	Ø d1	d2	Nr. / No.
11	22	60	30	47,5	A 8021 / 30 x 47,5
				48	48
15	32	66	42	47,5	A 8021 / 42 x 47,5
				48	48
				55,5	55,5
				56	56
	42	74	54	55,5	A 8021 / 54 x 55,5
				56	56
				67,5	67,5
				68	68

A8022/...

Spreizelement, 2-teilig
Expansion element, 2 components
Élément de serrage, 2 pièce



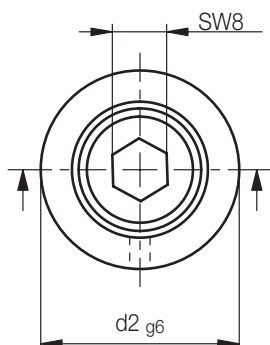
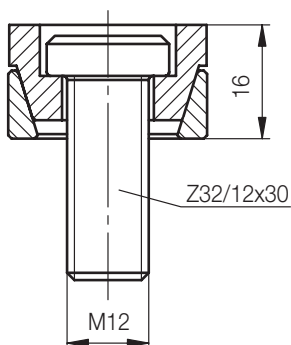
z.B. / e.g. / p. ex.
K 20/...
K 252/...



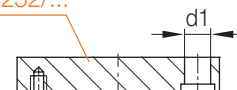
d2	Ø d1	Nr. / No.
19,5	19,6	A 8022 / 19,6
19,9	20	20
25,4	25,5	25,5
25,9	26	26

A8023/...

Spreizelement, 3-teilig
Expansion element, 3 components
Élément de serrage, 3 pièce



z.B. / e.g. / p. ex.
K 20/...
K 252/...



d2	Ø d1	Nr. / No.
29,3	29,4	A 8023 / 29,4
29,9	30	30
41,2	41,3	41,3
41,9	42	42
53,1	53,2	53,2
53,9	54	54

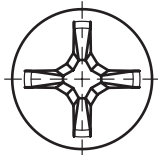
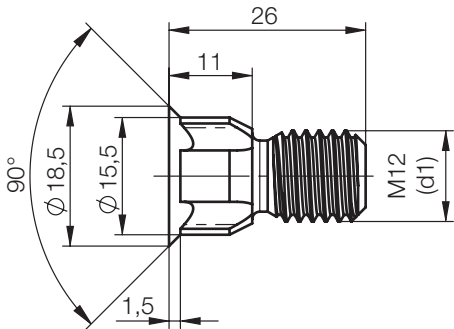
mit Untermaßmarkierung / with undersize marking
avec marquage de sous-dimension



A8031/...

Verschlussstopfen
Sealing plug
Bouchon de fermeture

Mat.: Kunststoff / Plastic / Plastique

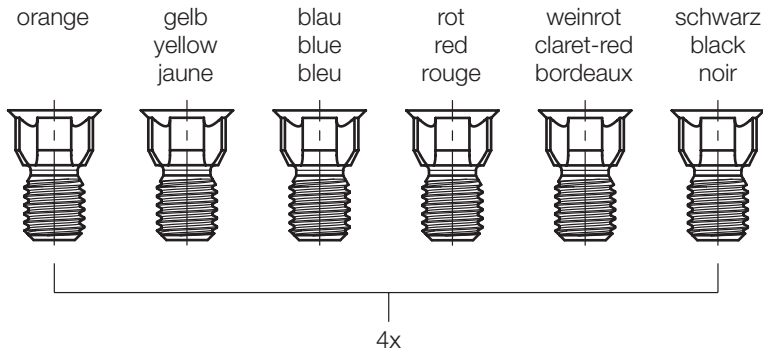


style	d1	Typ	Nr. / No.
orange	12	1	A 8031 / 1
gelb / yellow / jaune		2	2
rot / red / rouge		3	3
blau / blue / bleu		4	4
braun / brown / brun		5	5
schwarz / black / noir		6	6

A8051/...

Verschlussstopfen Kit
Sealing plug-kit
Kit de bouchon de fermeture

Mat.: Kunststoff / Plastic / Plastique

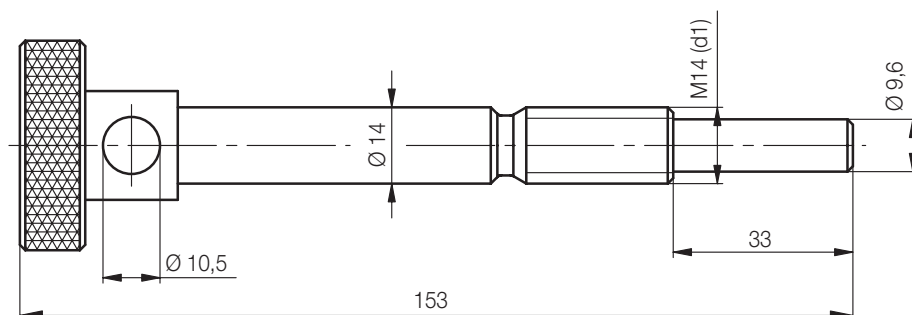


style	Stck./Pc.	Typ	Nr. / No.
orange	4 pro Farbe per colour par couleur	1	A 8051 / 1
gelb / yellow / jaune			
rot / red / rouge			
blau / blue / bleu			
braun / brown / brun			
schwarz / black / noir			

A8035/...

Ausziehstange
Pulling bar
Extrateur

Mat.: 1.2312/1080 N/mm²

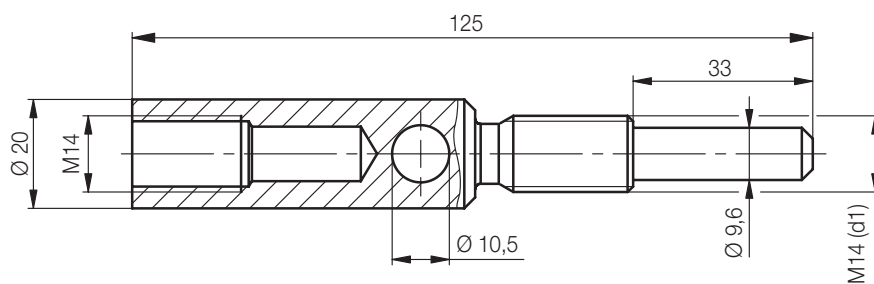


d1	Nr. / No.
M 14	A 8035 / 14

A8036/...

Ausziehverlängerung
Extension
Rallonge

Mat.: 1.2312/1080 N/mm²



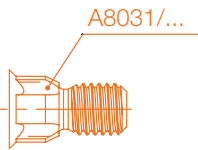
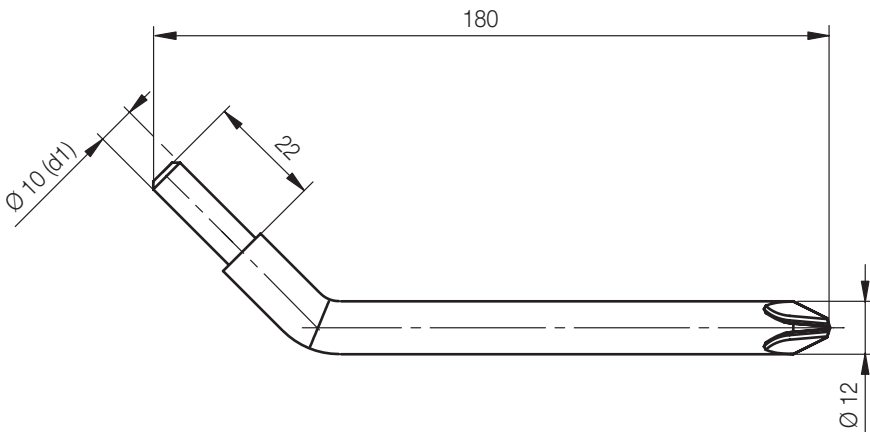
d1	Nr. / No.
M 14	A 8036 / 14



A8037/...

Montagehilfe
Assembly tool
Outil de montage

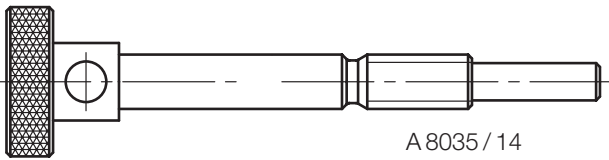
Mat.: 1.0037



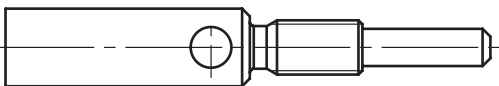
d1	Nr. / No.
10	A 8037 / 10

A8040/...

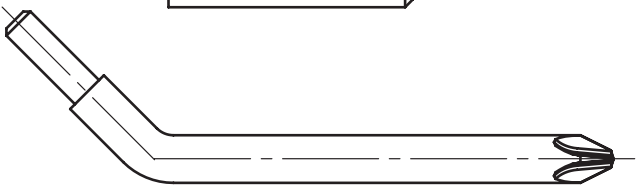
Montage-Schlüsselsatz
Assembly-kit
Outil de montage



A 8035 / 14



A 8036 / 14



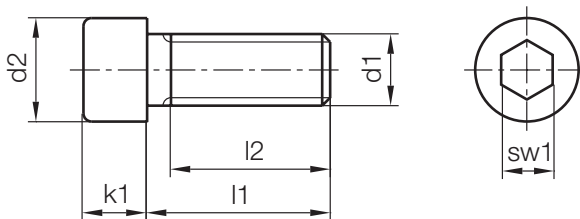
A 8037 / 14

d1	Nr. / No.
14	A 8040 / 14

Z31/...

Zylinderschraube
Hexagon socket head cap screw
Vis à tête cylindrique à 6 pans creux

Mat.: 12.9 / 1000 N/mm²
DIN EN ISO 4762 (DIN 912)



sw1	d2	k1	l2	d1	l1	Nr. / No.
10	18	12	6,8	M 12	12	Z 31/12x 12
			8,8		14	14
			10,8		16	16
			12,8		18	18
			14,8		20	20
			16,8		22	22
			19,8		25	25
			24,8		30	30
			29,8		35	35
			34,8		40	40
			39,8		45	45
			44,8		50	50
			36		55	55
					60	60
					65	65
					70	70
					75	75
					80	80
					90	90
					100	100
			110		110	

sw1	d2	k1	l2	d1	l1	Nr. / No.
10	18	12	36	M 12	120	Z 31/12 x 120
					130	130
					135	135
					140	140
					145	145
					150	150
					160	160
					165	165
					170	170
					180	180
					190	190
					200	200
					220	220
					240	240
					260	260
					270	270
					280	280
					300	300
					320	320
					340	340



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Special solutions
Solutions spéciales

- Individuell angepasst für Null-Punkt-Spannsysteme
- Als runde A 8001/... Grundplatte für Maschinendreh- und Schwenktische
- Als Adapterplatte für z.B. zusätzlichen Maschinenschraubstock, Elektrodenhalter etc.
- Für Mehrfachspannlösungen auf einer individuell ausgelegten A 8001/... Grundplatte
- Kundenwünsche auf Anfrage möglich

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- Individually aligned for zero-point clamping systems
- As a round A 8001/... base plate for rotary and tilting tables
- As an adapter plate for an additional machine vice or electrode holder, for example
- For multiple clamping solutions on an individually configured A 8001/... base plate
- Special customised versions are possible on request

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- Adapté pour les systèmes de bridage avec point zéro
- Plaque de base ronde pour A 8001/... adaptée pour le tournage et les tables basculantes
- Plaque d'adaptation, par exemple pour étau de machine supplémentaire, porte-électrodes, etc
- Pour les solutions multi-bridage avec un design personnalisé de la plaque de base A 8001/...
- Possibilité de réaliser des éléments sur-mesure selon le souhait du client

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Nr. / No. _____

☐ Anfrage / Quotation / Demande

Grundplatten Base plates Plaques de base	Nr. / No.	Mat.-Nr. / No.	Stck. / Pc.
	A 8001 / 1	2049828	
	A 8001 / 2	2049829	
	A 8001 / 3	2049830	
Steckmodule Plug-in modules Modules plug-in für Systemdurchmesser for system diameter pour diamètre de colonnage Ø 20 - 54	Nr. / No.	Mat.-Nr. / No.	Stck. / Pc.
	A 8005 / 1 x 1 (Ø 20)	2049831	
	A 8005 / 1 x 2 (Ø 26)	2049832	
	A 8005 / 1 x 3 (Ø 30)	2049833	
	A 8005 / 1 x 4 (Ø 42)	2049834	
	A 8005 / 1 x 5 (Ø 54)	2049835	
Steckmodule Plug-in modules Modules plug-in für / for / pour A 8011 (Distanzsäule / Distance column / Entretoise)	Nr. / No.	Mat.-Nr. / No.	Stck. / Pc.
	A 8005 / 2 x 1	2049836	
	A 8005 / 2 x 2	2049837	
	A 8005 / 2 x 3	2049838	
	A 8005 / 2 x 4	2049839	
Steckmodule Plug-in modules Modules plug-in für / for / pour K 60 / K 70	Nr. / No.	Mat.-Nr. / No.	Stck. / Pc.
	A 8005 / 3 x 1	2049840	
	A 8005 / 4 x 1	2049841	
Montage-Schlüsselsatz Assembly-kit Outil de montage	Nr. / No.	Mat.-Nr. / No.	Stck. / Pc.
	A 8040 / 14	2050290	
Verschlussstopfen Kit Sealing plug-kit Kit de bouchon de fermeture	Nr. / No.	Mat.-Nr. / No.	Stck. / Pc.
	A 8051 / 1	2050291	
Stützkörper Support element Élément de support	Nr. / No.	Mat.-Nr. / No.	Stck. / Pc.
	A 8015 / 30	2008562	



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