



The Founder of The Production of Standard Templates in Iran

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Hico Standard Components

Basic Elements for Mould

Moulding starts with **HICO**

Every success begins with the basic idea . **HICO**'s idea is to present you the best possible support . we design the standard base so , today , **HICO** is pioneer in moulding industry

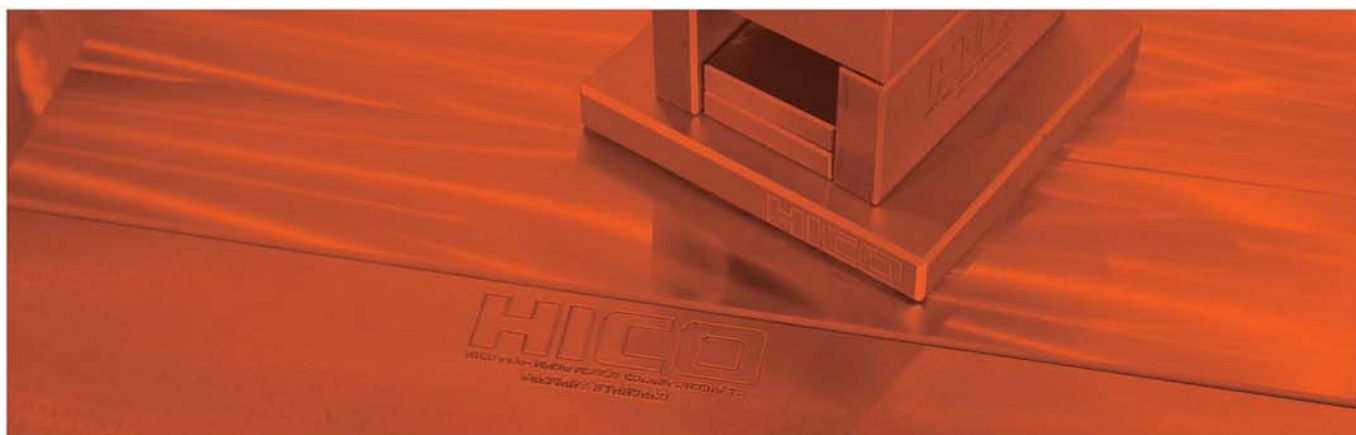
قالب سازی با **هایکو** شروع می شود.

هر موفقیت با ایده اولیه آغاز می شود. ایده **هایکو** این است که به شما بهترین حمایت ممکن را در قالب بهترین قالب ارائه دهد. با توجه به این امر ما پایه استاندارد را طراحی کردیم که امروزه **هایکو** پیشگام در صنعت قالب سازی شناخته شده است.



HICO company , vanguard in constructing die sets in iran , began its research since 1989 , and in 1991 its production line was launched in the field of building prefabricated plastic injection base mould , Die cast mould , pet – pe mould rubber , bakelite and forjng mould . With over 30 years of engineering experience the company succeeded in employing clever strategies to fix prices at the same time as increasing the quality of its product

شرکت **هایکو** پیشرو در ساخت قطعات پیش ساخته استاندارد قالب در ایران از سال ۶۸ به صورت تحقیقاتی فعالیت خود را آغاز نموده و در سال ۷۰ خط تولید آن در زمینه ساخت بلوک های پیش ساخته تزریق پلاستیک ، دایکاست ، بادی (PET-PE) ، لاستیک باکالیت و فورج راه اندازی شد. این شرکت با گذشت ۳۰ سال تولید آمیخته با تحقیقات مهندسی، موفق به بکارگیری راهکارهای هوشمندانه ای جهت تثبیت قیمت ها همزمان با بالابردن کیفیت محصولات خودگشته است.



Throughout these years, **HICO** has exclusively devoted its full potential to improving the quality of its production blocks for the moulding industry , and today it has reached the highest level of quality in the European standard and has the largest volume of production and sales in this sector

در تمامی این سال ها شرکت **هایکو** به صورت انحصاری تمامی پتانسیل خود را صرف بهبود کیفیت بلوک های تولیدی خود نموده تا امروز به بالاترین سطح کیفی در حد استاندارد اروپا رسیده و بیشترین حجم تولید و فروش در این بخش را به خود اختصاص داده است



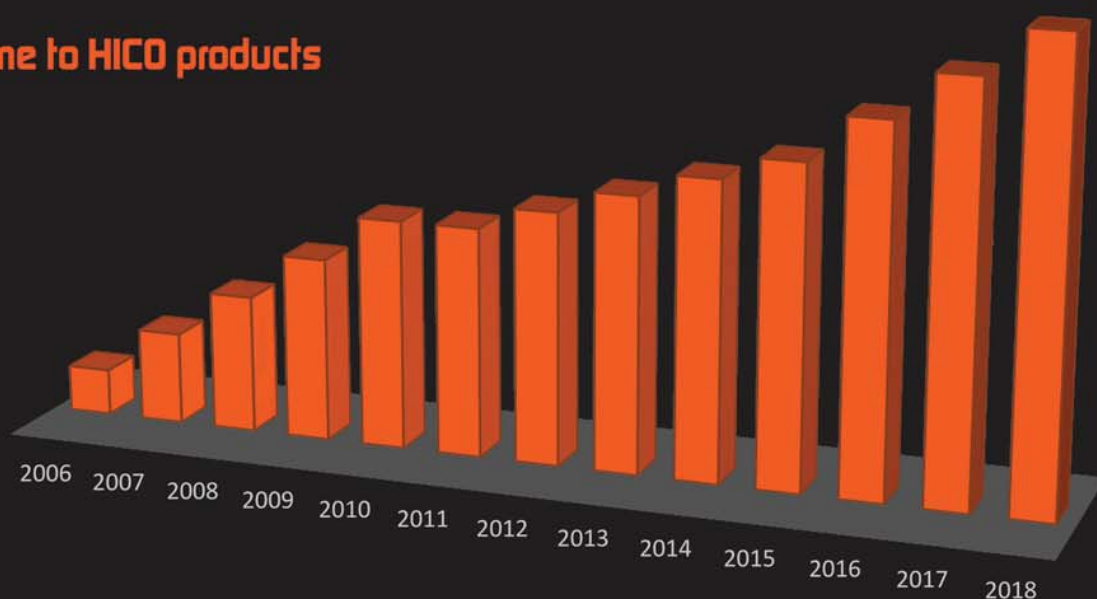
parts of the blocks are all standard and completely interchangeable if the customer desires , can change the material and size of the plates according to their requierment

بخش های تشکیل دهنده بلوک ها همگی استاندارد و کاملاً قابل تعویض می باشند و در صورت تمایل ، خریداران محترم می توانند جنس و اندازه صفحات بلوک مورد درخواست خود را بر اساس نیازشان تغییر دهند.

With a quick look on **HICO** statistics and information , can find out the economic justification of its standard produced components in the moulding industry . **HICO** , we could reach to special production methods for reducing the production costs relying on continuos research over the years . also , considering to replacement ability of standard parts which produced in this company , the designers and mould makers could reduce their expenses

با نگاهی گذرا به آمار و اطلاعات در شرکت **هایکو** می توان به توجیه اقتصادی اجزای استاندارد تولیدی این شرکت در صنعت قالب سازی پی برد . ما در **هایکو** توانسته ایم با تکیه بر تحقیقات مستمر در طول سالیان متمادی به روشهایی در تولید دست یابیم تا هزینه تولید را کاهش دهیم ، همچنین با توجه به قابلیت جایگزینی اجزای استاندارد تولیدی این شرکت با یکدیگر ، شما قالب ساز گرامی می توانید هزینه های خود را بیش از بیش کاهش دهید.

Welcome to HICO products



growing welcome of the country's moulding community from **HICO** products over the years , is the clear reason for rightfulness of this claim

استقبال روز افزون جامعه قالب سازی کشور از محصولات **هایکو** در طول سالیان متمادی ، خود دلیل مبرایی بر حقانیت این ادعاست.



Interchangeable plates for assembling main moulds according to the **HICO** experiments

The engineers have this right to use standard parts series **K** in their designs, because it would be possible to change all of the parts if they want

صفحات قابل تعویض برای موتتاژ های مادر قالب
طبق آزمایشات انجام شده در سیستم هایکو

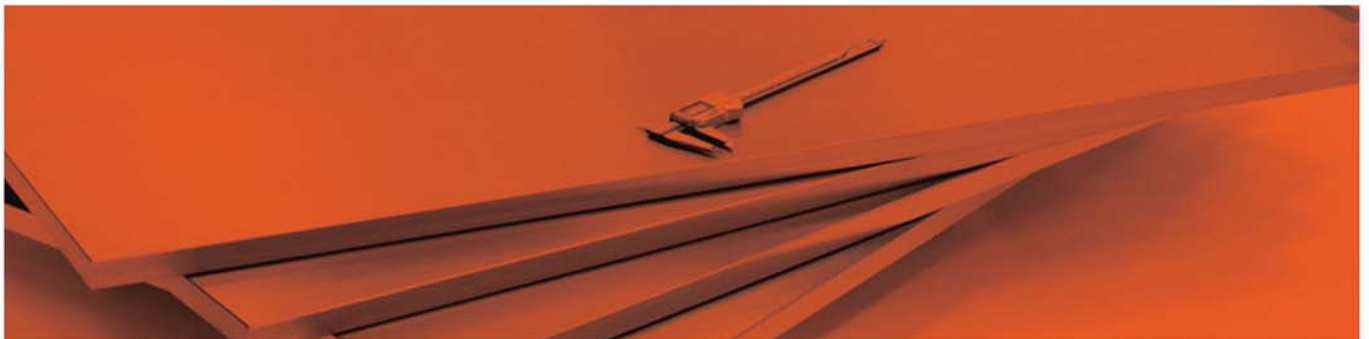
مهندسين قطعه ساز حق انتخاب دارند تا از قطعات
استاندارد سری **K** در طرحشان استفاده کنند، زیرا قابلیت
تعویض برای کلیه قطعات کاملاً امکان پذیر می باشد.

Sized Plates

In case of need to roughening , stone working and slotting the plates, **HICO** is able to do that according to the size and type of material customer make order separately

صفحات سایز شده

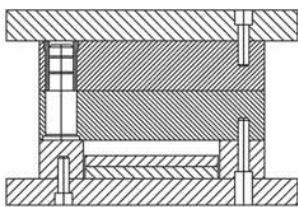
در صورت نیاز به صفحات ماشینکاری شده سنگ خورده و سوراخکاری شده طبق سایز و متریکال در خواستی در شرکت هایکو امکان پذیر می باشد که صفحات خود را به صورت مجزا سفارش دهید .



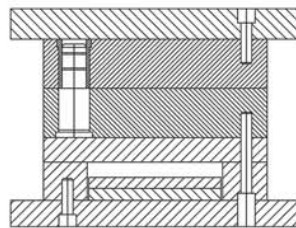


Mould Guidance System

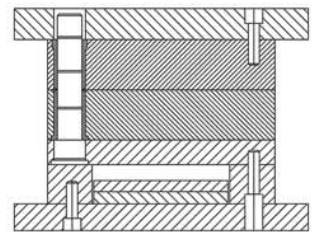
سیستم راهنما بندی قالب



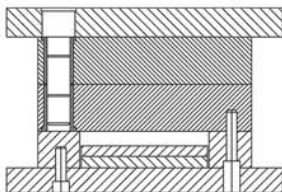
Normal
معمولی



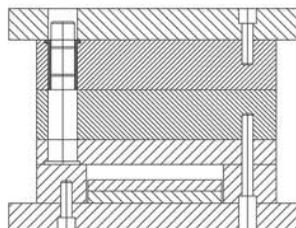
Normal with Resistance
معمولی با مقاومت



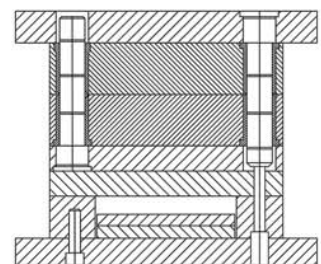
Floor ejector
کف پران



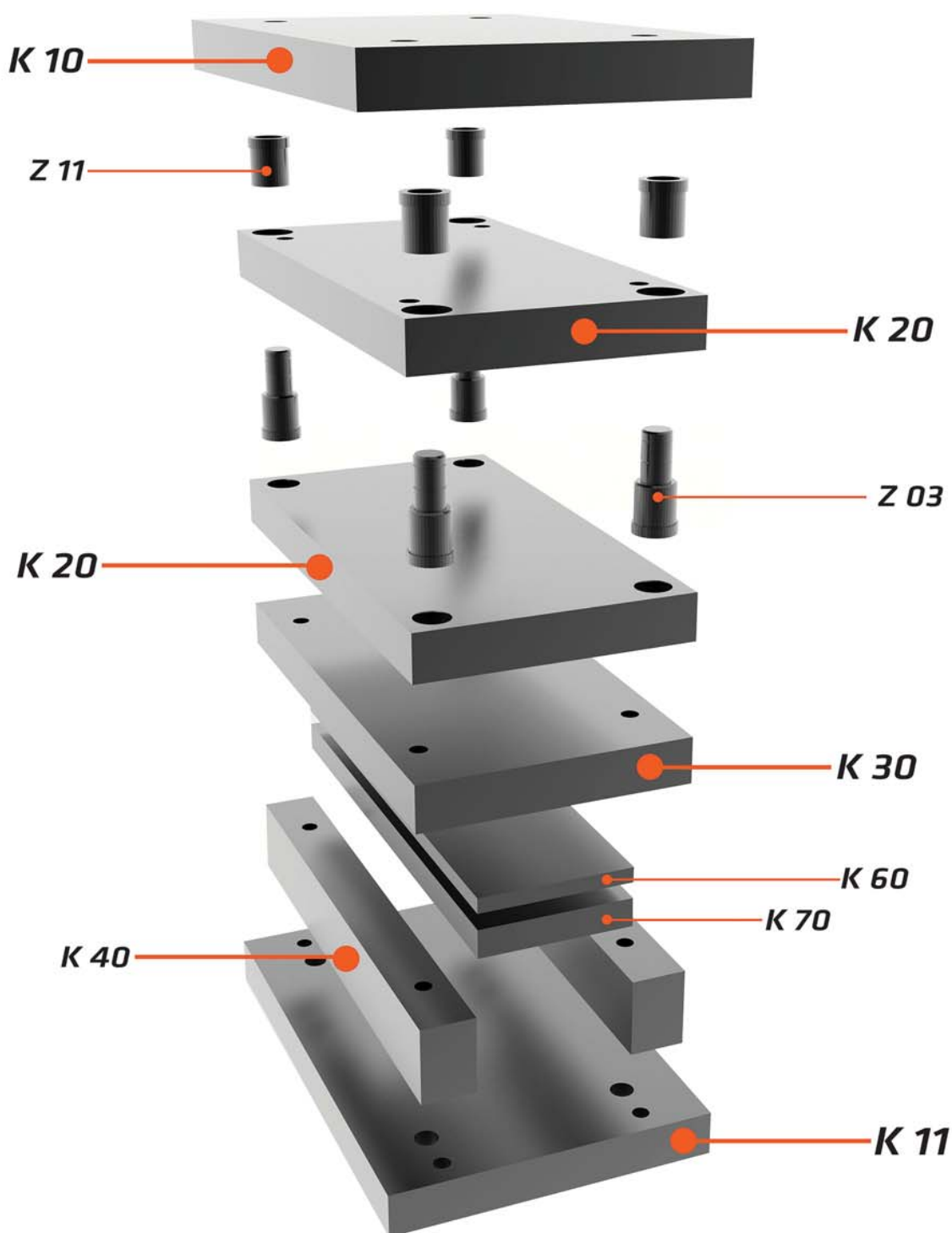
Needle Runner
راهگاه سوزنی



European
اروپایی



Mixed
مخلوط



K 20 / 246 246 / 56 / 2312

product series / گروه محصول

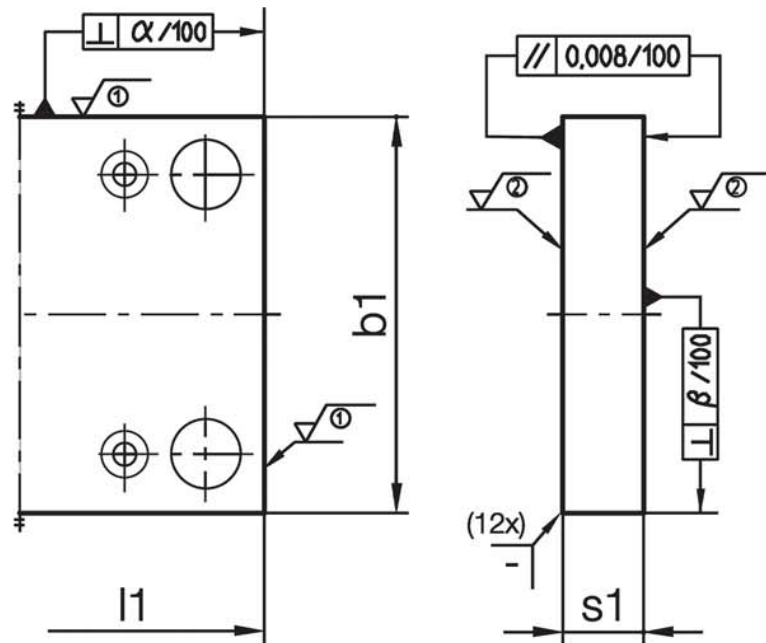
Plate Number / شماره پلیت

Plate Dimension / ابعاد پلیت

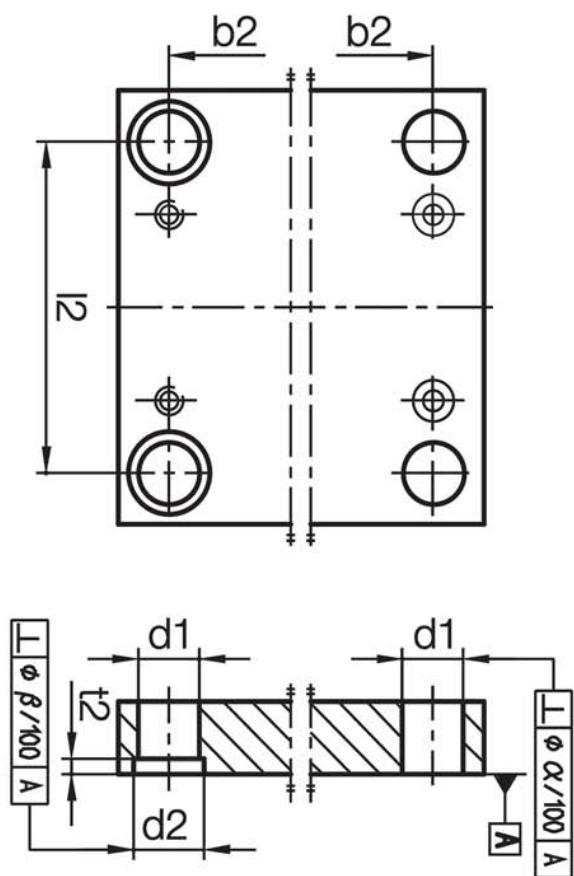
Plate Thickness / ضخامت پلیت

Steel type / شماره دین فولاد

b1 \ l1	095	130	156	196	246	296	346	396	446	496	546	596	656	696	796	896	996
095	Ø 14																
100		Ø 14															
156					Ø 22												
190					Ø 26												
196				Ø 26													
218					Ø 26												
246																	
296																	
346																	
396																	
446																	
496																	
546																	
596																	
646																	
696																	
746																	
796																	



b1	≧ 95 ... ≦ 996	+0,15
l1		
α/100	≧ 95 ... ≦ 996	0,02
β/100	≧ 95 ... ≦ 996	0,03
√①	≧ 95 ... ≦ 996	Rz 25
√②	≧ 95 ... ≦ 996	Rz 10
s1	≧ 6 ... ≦ 996	+0,1/+0,25
s1		+0,02
K40/..., K41/..., K45/...	all sizes	



	ISO nominal dimension range	ISO tolerance
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 all sizes	0,02
	K40/..., K41/..., K45/... all sizes	0,03
β/100	all sizes	0,02

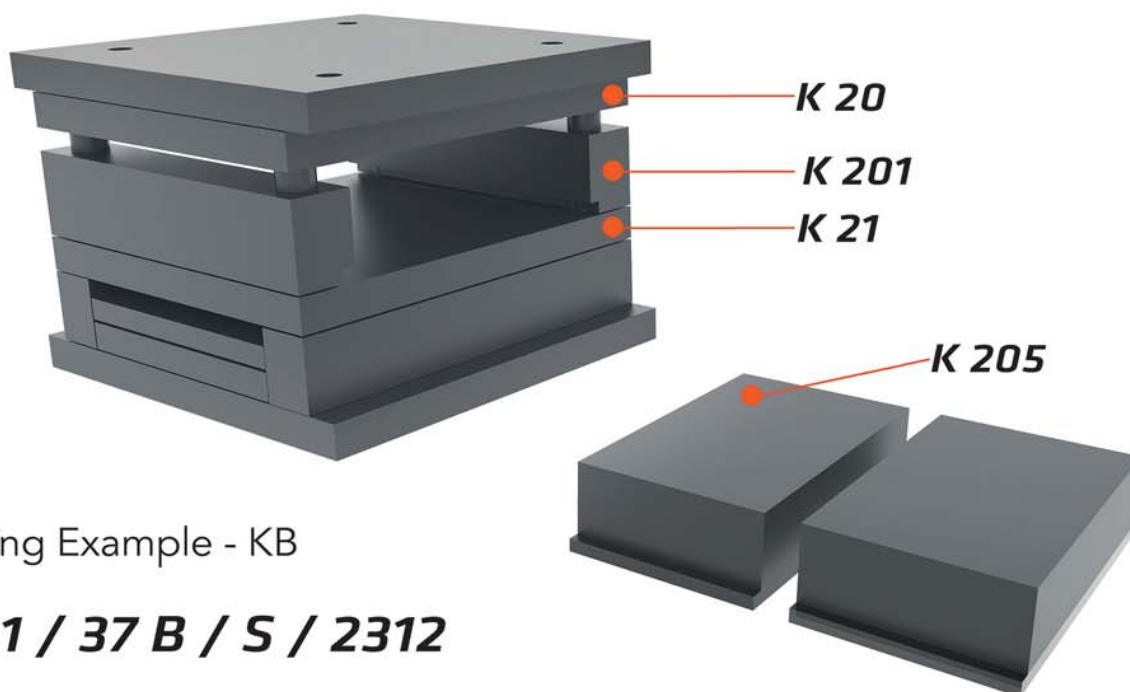


Standard Parts of Die - KB

KB standar parts which comply with **HICO** K series standard parts , can help to the engineers and Die Designers to use them for making sliding dies

قطعات استاندارد قالب – KB

قطعات استاندارد KB که از قطعات استاندارد هایکو سری K تبعیت می نماید ، به مهندسين و طراحان قالب کمک می کند تا در ساخت قالبهای کشویی از آنها استفاده کنند.



Ordering Example - KB

K 201 / 37 B / S / 2312

KB – نمونه شماره سفارش

انجام ریل کشویی به

عهده متقاضی می باشد

customers should rail
for the sliding dies

KB	K 201 / 37B / S / 7225 / 2312 / 2344		
	27		■
	37		■
	46		■
	56		■
	66		■
	76		■
	86		■
	96		■

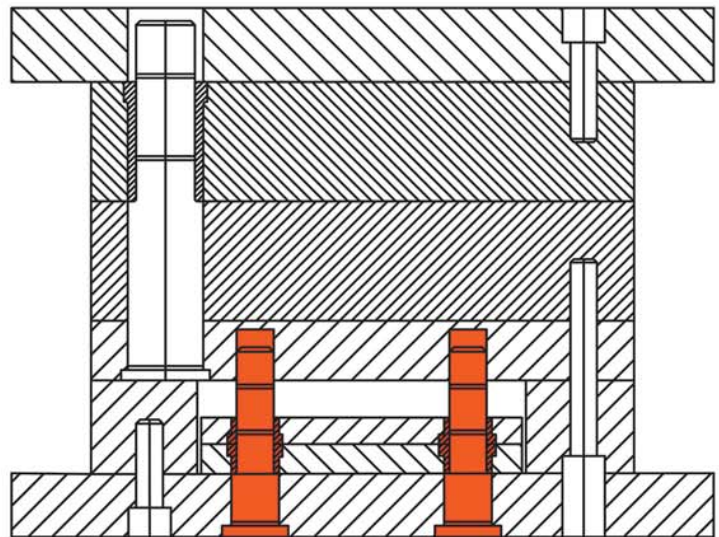


Installation ejector plate guide

in injection dies with precious and small parts specially with thin and delicate hob , in order to stable the hobs and exact forwarding in the way , it can be used the ejector plate guide system

نصب راهنمای صفحه پُران

در قالب های تزریق با قطعات ریز و حساس مخصوصا سنبه ی نازک و ظریف جهت تثبیت سنبه ها و هدایت دقیق در مسیر آن ها از سیستم راهنمای صفحه پُران استفاده می شود.



installation Locating ring & sprue bushing

Performing the installation of locating ring and sprue Bush on plastic sheets of **K10** and **K20** plates, is designed to facilitate and expedite the moulding at the request of respectable customers at the Hico Company

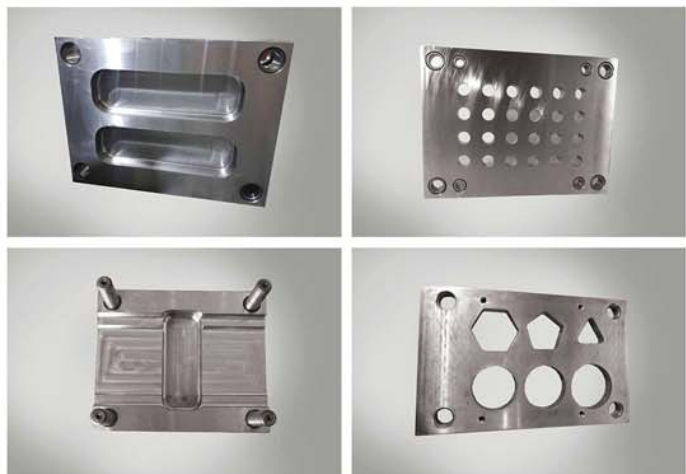
نصب رینگ سترکننده و بوش اسپرو

انجام عملیات نصب رینگ سترکننده و بوش اسپرو در صفحات **K10** و **K20** بلوک تزریق پلاستیک ، به منظور تسهیل و تسریع در قالبسازی ، بنا به درخواست مشتریان محترم در شرکت هایکو امکان پذیر می باشد.



Roughening

we honorly informed that we can do roughening process 3mm smaller with sending iges or step formats , in order to release the steel tension before slotting guide and stone working



ماشین کاری

شرکت هایکو با افتخار اعلام می دارد جهت آزاد سازی تنش فولاد قبل از مراحل سوراخ راهنما و سنگ کاری با ارسال فایل iges یا Step عملیات خشن تراشی با مقدار ۳ میلی متر کوچک تر انجام پذیر می باشد.



Dear customers, **HICO** customers can benefit from more services by adding to the demand for hook as well as creating a hole the jack on the K11 plate

مشتریان محترم هایکو میتوانند با اضافه کردن درخواست اجرای قلاویز جای قلاب و همچنین ایجاد سوراخ جک بر روی صفحه K11 از خدمات بیشتری بهره مند شوند.



Rubber mould

Rubber moulds are another type of moulds which are less costly and simpler than plastic and die casting moulds. The working method of these moulds is in contrast to plastic and casting moulds. In other moulds the melt is poured in to the mould and after cooling the piece , it will get out. In the rubber moulds, they are heated first , after reaching to the desired temperature (about 120 C) the rubber is placed below it parallel . After being moulded , the output of the mould is opened and the rubber piece is get out from the mould

قالب لاستیک

قالب های لاستیک نوع دیگری از قالب ها می باشد. قالب هایی کم هزینه تر و ساده تر نسبت به قالب های پلاستیک و دایکاست که روش کار این قالب ها برعکس قالب های پلاستیک و ریخته گری می باشد. قالب های دیگر مواد مذاب در داخل قالب ریخته شده و پس از سرد شدن قطعه خارج می شود. در قالب های لاستیک روش کار به این صورت می باشد که ابتدا خود قالب گرم می شود و پس از اینکه قالب به حرارت مورد نظر رسید (حدود ۱۲۰ درجه) لاستیک به صورت موازی در زیر آن قرار میگیرد و پس از اینکه به شکل قالب درآمد قالب باز شده و قطعه لاستیکی فرم گرفته شده خارج می شود.

Die casting mould

Die casting mould is a permanent metal mould on the under pressure casting machine which is used for production of pressure casting parts. Directing the molten metal inside to the mould cavity is carried out by the channels which is called the injection - runner - necking entry. Each die casting mould consists of 2 pieces in order to easily drawn out from the mould cavity after freezing. Die casting mould parts which are in contact with metal casting melt. made with hot working steel or special fireproof and resistant to temperature variations alloys

قالب دایکاست

قالب دایکاست عبارت است از یک قالب دائمی فلزی بر روی یک ماشین تحت فشار که برای تولید قطعات ریختگی تحت فشار بکار می رود. هدایت کردن فلز مذاب به درون حفره ی قالب توسط کانالهایی انجام می گیرد که به آن سیستم مدخل تزریق - راهگاه - گلوپی گفته می شود. هر قالب دایکاست از دو قسمت تشکیل شده است تا بتوان قطعه را بعد از انجماد از حفره قالب بیرون آورد. اجزاء قالب دایکاست که با فلز ریختگی مذاب در تماس هستند از فولاد گرم کار و یا آلیاژهای مخصوص نسوز و مقاوم در برابر تغییر دما ساخته می شود.

PET - PE mould

PET moulds are the moulds for making bottles, that way, warmed up the preform of the PET firstly, then put it on the mould and blowing it to take the shape of the mould perfectly uniform with the same thickness. These moulds working method is in contrast to plastic and casting moulds. In other moulds, the melt is poured in to the mould and after cooling, the piece getting out from it. Blow moulding is an advanced technology for moulding. It is the best way for producing empty parts such as: plastic bottles. It means where the thickness of the container wall is the same everywhere, the external shape is very important. About 10% of plastic parts produced with this way. The pressure blow molding is the simplest type of the mould which its wall will cool with cooling water. When the mould sets, the material will be injected from the upper part inside the plastic tube. This is similar to blowing off the balloon. When the hot plastic material is blowing and reach to the moulds walls, it will be frozen and keep its plastic container mode.

قالب های بادی (PET - PE)

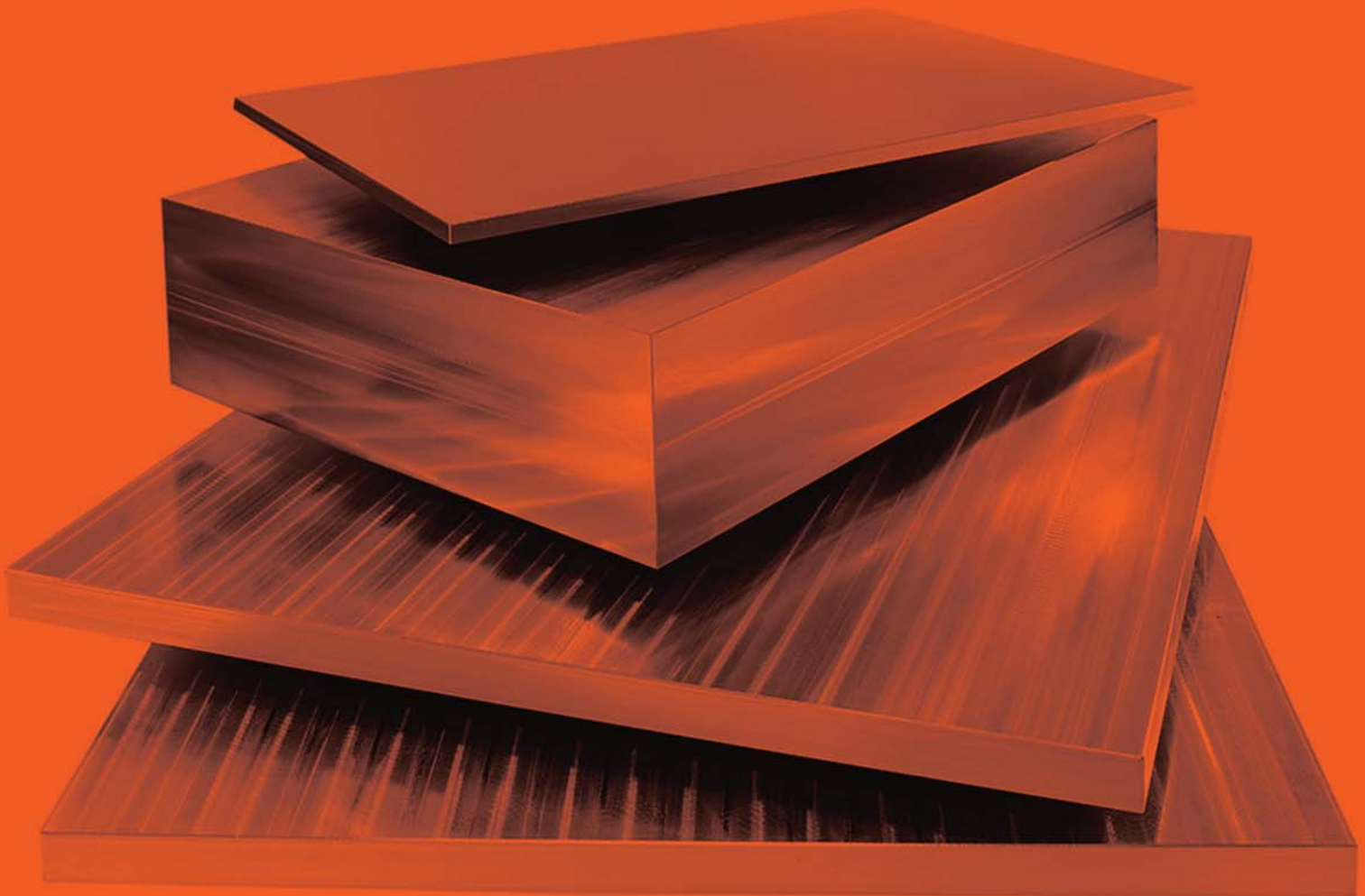
قالب های PET قالب هایی هستند که برای تولید بطری ساخته می شوند. به این صورت که پریفورمی را که از جنس پت می باشد ابتدا گرم کرده و سپس آن را داخل قالب گذاشته و اصطلاحاً باد میکند تا به صورت کاملاً یکنواخت و با ضخامت یکسان شکل قالب را به خود بگیرد. روش کار این قالب ها، بر عکس قالب های پلاستیک و ریخته گری می باشد. در قالب های دیگر مواد مذاب در داخل قالب ریخته شده و پس از سرد شدن قطعه از قالب خارج می شود. قالب گیری دمشی (یا بادی) یک فن آوری پیشرفته قالب گیری است. قالب گیری دمشی، مناسب ترین روش برای ساخت قطعات تو خالی، مانند بطری های پلاستیک محسوب می شود.

یعنی جایی که ضخامت دیواره ی ظرف در همه جا یکسان است شکل خارجی اهمیت زیادی دارد. حدود ۱۰ درصد از قطعات پلاستیکی به این روش تولید می شوند. قالب گیری دمشی فشاری ساده ترین نوع قالب است که دیواره ی آن با آب خنک می شود، وقتی که قالب بسته می شود، همه از قسمت بالایی یا گردنه ی محفظه به درون لوله ی پلاستیکی تزریق می شود. این مرحله درست مثل باد کردن بادکنک است. وقتی که ماده پلاستیکی داغ، باد کرده و به دیواره قالب می رسد، منجمد می شود و ظرف پلاستیکی تولید شده شکل خود را حفظ میکند.





Material Grades



1.2312 Tool Steel

Designation:

DIN: 40 CrMnMoS 86

AFNOR: 40 CMD 8.S

UNI: -

AISI: P20 + S

Chemical composition:

C 0.40

Si 0.40

Mn 1.50

Cr 1.90

Mo 0.20

S 0.06

Strength:

≈ 1080 N/mm²

Thermal conductivity at 100 °C:

35 W/m K

Character:

alloyed and pre-toughened tool steel, with excellent machinability in the hardened condition because of the Sulphur additive; high dimensional stability

Application:

plates for mold bases and die sets with increased requirements on strength; high-tensile machine parts

Treatment by :

not recommended : Etching , EDM

Polishing:

technical polishing possible ; for higher surface requirements we recommend 1.2311 or 1.2738

Nitriding:

increases the steel's wear resistance

Heat treatment:

already pre-toughened; usually no heat treatment required

Nitriding:

Before nitriding, stress-relief annealing at 580 °C is recommended (HICO standard).

Hardening:

840 to 860 °C

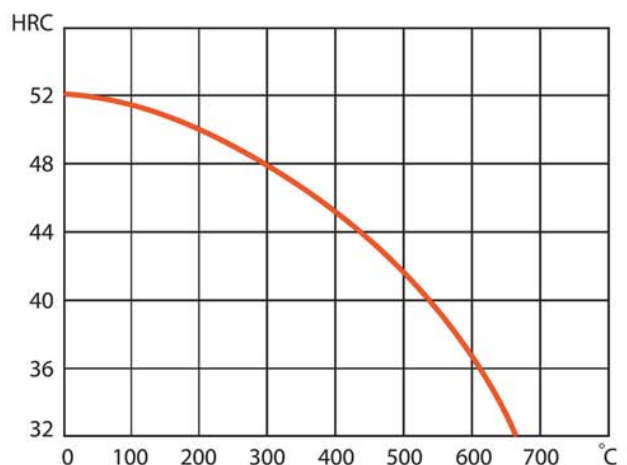
Cooling:

down to 180 °C/220 °C in oil / hot bath

obtainable hardness: 52 HRC

Tempering:

slow heating to tempering temperature immediately after hardening; then maintain the temperature in the furnace for at least 1 hour per 25 mm part thickness



1.7225 Steel for quenching and tempering

Designation:

DIN:	42 CrMo 4
AFNOR:	42 CD 4
UNI:	42 CrMo 4
AISI:	4140

Chemical composition:

C	0.42
Si	0.25
Mn	0.75
Cr	1.10
Mo	0.22
S	<0.035

Strength:

≈ 720 N/mm²

Tensile strength:

heat treated max. 720 N/mm²

Thermal conductivity at 20 °C:

42.6 W/m K

Character:

alloyed steel, suitable for quenching and tempering, steel with high resistance and high toughness;
universally usable in engineering

Application:

machine construction, base plates, axes, gear shafts, gear wheels

Treatment by :

is possible: Nitriding, EDM, coating

unusual: Welding

Heat treatment:

Normalising: 840 to 880 °C afterwards cooling in air; some components need tempering afterwards

Soft annealing: 680 to 720 °C for about 2 to 5 hours; slow controlled cooling of 10 to 20 °C per hour to about 600 °C; further cooling in air. Maximum 217 HB

Quenching: max. 1.600 N/mm²

Hardening:

820 - 880 °C

quenching in oil or water

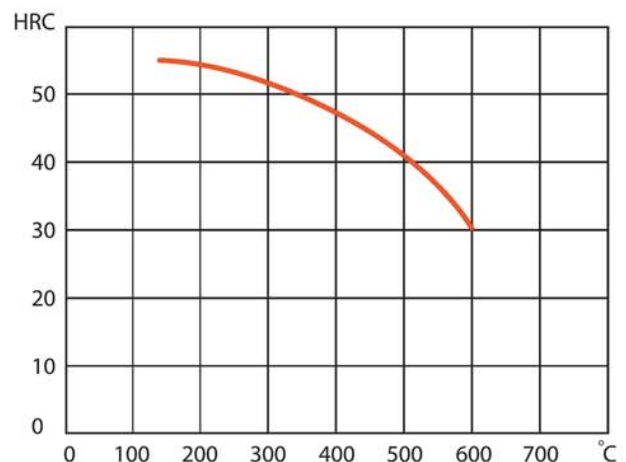
oil hardening for thin and complex,

water hardening for large and simple components

obtainable hardness: 53-61 HRC

Tempering:

slow heating to tempering temperature (to avoid forming of cracks) immediately after hardening; at least 60 minutes cooling in air



1.2344 ESU Hot-work steel

Designation:

DIN:	X 40 CrMoV 5-1
AFNOR:	Z 40 CDV 5
UNI:	X 40 CrMoV 5-1 KU
AISI:	H13 / H13 ESR

Chemical composition:

C	0.40
Si	1.00
V	1.00
Cr	5.30
Mo	1.40

Strength:

≈ 780 N/mm²

Thermal conductivity at 100 °C:

26 W/m K

Character:

high-alloy hot-work steel, high heat resistance, high wear resistance, good toughness, thermal conductivity and hot cracks resistance, limited use for water cooling; for very high requirements available in grade *ESR (Electro-Slag Remelted)

Application:

standard material for hot-work tools, extrusion molds, dies, tools for plastic processing

Treatment by :

Polishing, etching, EDM, nitriding » is possible
Hard chroming » in special cases

Heat treatment:

Soft annealing: 750 to 800 °C for about 4 to 5 hours; slow controlled cooling of 10 to 20 °C per hour to about 600 °C; further cooling in air, max. 230 HB

Hardening: 1020 to 1060 °C - 15 to 30 minutes keeping curing temperature quenching in water/oil obtainable hardness: 54 HRC

Tempering: slow heating to tempering temperature immediately after hardening; minimum time in furnace: 1 hour per 20 mm part thickness

Tempering:

susceptible to corrosion; during machining, continuous corrosion protection has to be ensured (especially during wire EDM)

1.2344 ESRH is very suitable for mirror polishing

1.1730 Tool Steel

Designation:

DIN: C 45 U

AFNOR: XC 48

UNI: -

AISI: 1045

Chemical composition:

C 0.45

Si 0.30

Mn 0.70

Strength:

≈ 640 N/mm²

Thermal conductivity at 20 °C:

50 W/m K

Character:

unalloyed tool steel with excellent machinability, good core toughness for minor applications; chilled cast steel, suitable for flame and inductive hardening

Application:

unhardened parts for mold, die and jig construction; plates and frames for mold bases and die sets

Treatment by

unusual:

Polishing, etching, EDM, nitriding, hard chroming

Heat treatment:

Soft annealing: 680 to 710 °C for about 2 to 5 hours slow controlled cooling of 10 to 20 °C per hour to about 600 °C; further cooling in air , max. 190 HB

Hardening:

800 to 830 °C

Quenching in oil/hot bath/air

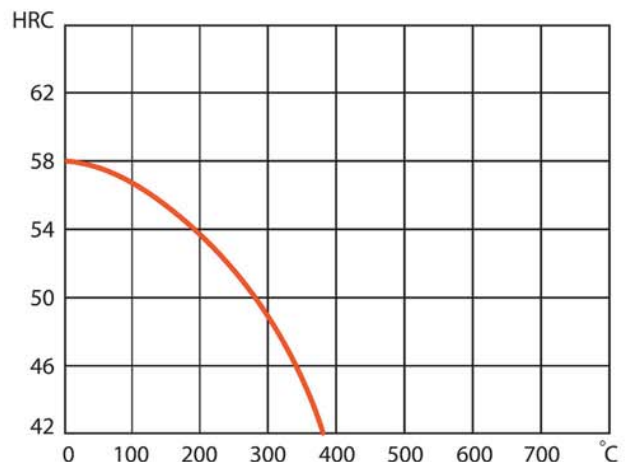
Obtainable hardness: 58 HRC

hardening depth 3–5 mm

max. 15 mm through hardening thickness

Tempering:

slow heating to tempering temperature immediately after hardening; then maintain the temperature in the furnace for at least 1 hour per 25 mm part thickness



General Product Description

Toolox 33 is delivered in as quenched and tempered condition having high impact toughness and very low residual stresses to achieve good dimensional stability after machining. Toolox 33 is suitable in moulding applications, in rubber moulding and also for engineering components. With use of proper surface engineering methods can the service life of tools/components be prolonged.

Dimensions

Toolox 33 is available as plates in thicknesses between 5 - 130 mm and as bars in diameters 21 - 141 mm. Other dimensions can be available on request.

Mechanical Properties

Hardness HBW (Min - Max):
275 - 325

Impact Toughness, Plate

Test temperature:
20 °C
Impact energy, Charpy-V, transverse direction:
35

Impact Toughness, Bar

Test temperature:
20 °C
Diameter (mm)
≤141
Impact energy
35

Ultrasonic Inspection

Ultrasonic inspection is carried out according to :

EN 10 308 (Bars), EN 10 160 (Plates) with extra demands according to specification SSAB V6.

Tolerances

More details are given in SSAB's brochure 41-General product information Strenx, Hardox, Armox and Toolox-UK and also available on www.toolox.com.

Plate Thickness

Tolerances according to SSAB's thickness guarantee AccuRollTech - AccuRollTech meets the requirements of EN 10 029 Class C but offers more narrow tolerances.

Plate Length and Width

Tolerances according to EN 10 029.

Plate Flatness

Flatness tolerances are according to SSAB's flatness tolerances, which are more restrictive than EN 10 029 Class N (steel type L).

Plate Surface Properties

Surface properties of Toolox 33 are according to EN 10 163-2 Class B, Subclass 3.

Bar Diameter and Length

Tolerances according to EN 10 060.

Bar Straightness

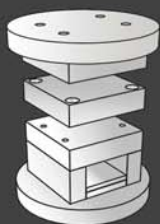
Straightness according to EN 10 060.



K

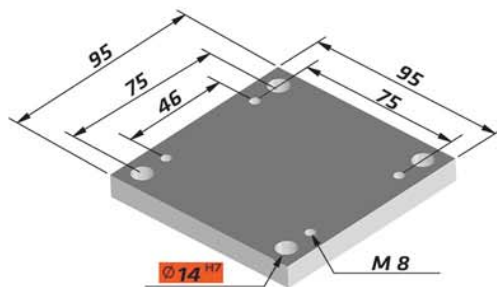
Standards Parts



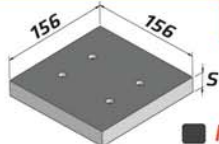
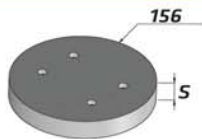


095 X 095

Standards Parts K



K10

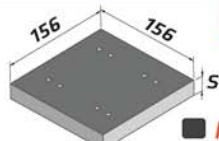
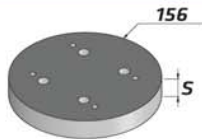


■ K10 C

K 10 / 095 X 095 / S / ST37 / 7225 / 2312 / 2344

22 ■ ●

K11

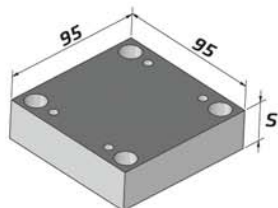


■ K10 C

K 11 / 095 X 095 / S / ST37 / 7225 / 2312 / 2344

22 ■ ●

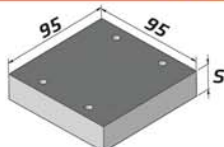
K20



22	■	■
27	■	■
37	■	■
46	■	■
56	■	■

K 20 / 095 X 095 / S / ST37 / 7225 / 2312 / 2344

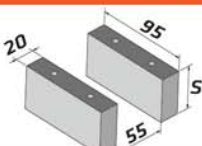
K30



17	■
22	■

K 30 / 095 X 095 / S / ST37 / 7225 / 2312 / 2344

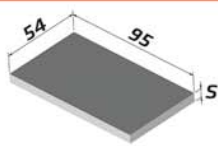
K40



46	■
56	■
76	

K 40 / 095 X 095 / S / ST37 / 7225 / 2312 / 2344

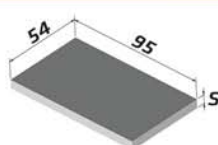
K60



6	■
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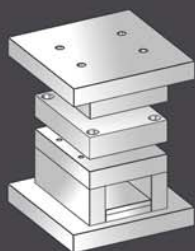
K 60 / 095 X 095 / S / ST37 / 7225 / 2312 / 2344

K70



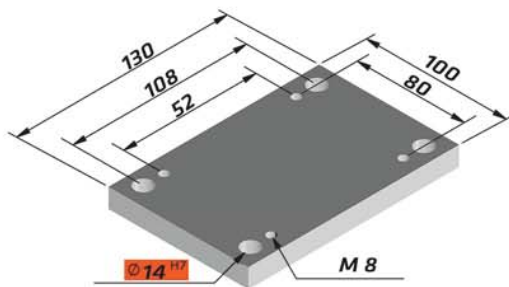
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K 70 / 095 X 095 / S / ST37 / 7225 / 2312 / 2344

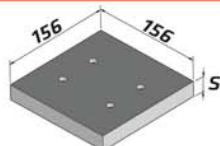


100 X 130

Standards Parts K



K10



K 10 / 100 X 130 / S / ST37 / 7225 / 2312 / 2344

22



K11

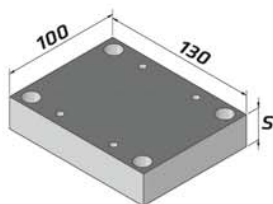
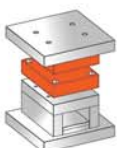


K 11 / 100 X 130 / S / ST37 / 7225 / 2312 / 2344

22



K20



K 20 / 100 X 130 / S / ST37 / 7225 / 2312 / 2344

22



37



46



56

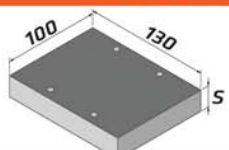
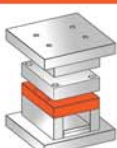


66

76

86

K30



K 30 / 100 X 130 / S / ST37 / 7225 / 2312 / 2344

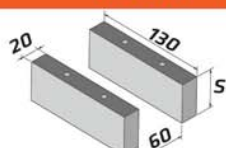
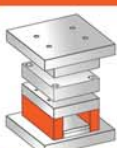
17



22



K40



K 40 / 100 X 130 / S / ST37 / 7225 / 2312 / 2344

46



56



76

K60

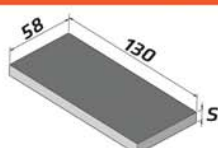
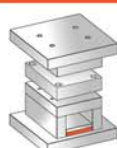


K 60 / 100 X 130 / S / ST37 / 7225 / 2312 / 2344

6



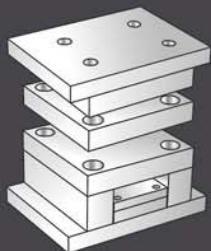
K70



K 70 / 100 X 130 / S / ST37 / 7225 / 2312 / 2344

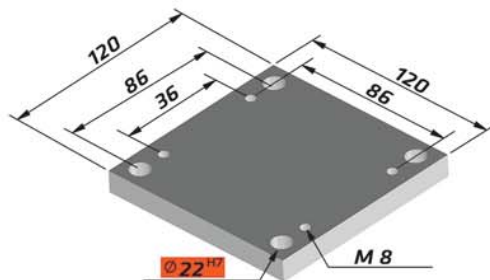
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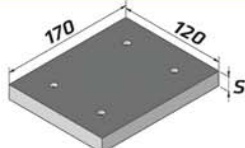


120 X 120

Standards Parts K



K10

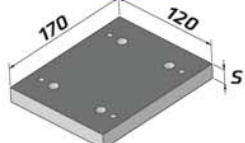


K 10 / 120 X 120 / S / ST37 / 7225 / 2312 / 2344

22



K11

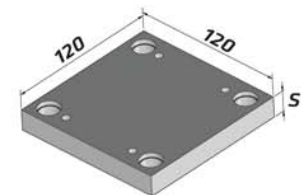
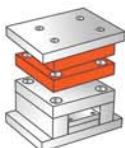


K 11 / 120 X 120 / S / ST37 / 7225 / 2312 / 2344

22



K20



K 20 / 120 X 120 / S / ST37 / 7225 / 2312 / 2344

27



37



46



56



66

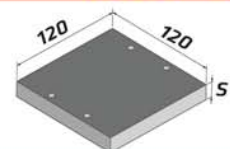
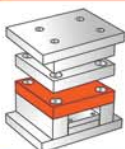


76



86

K30

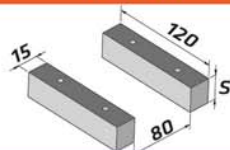


K 30 / 120 X 120 / S / ST37 / 7225 / 2312 / 2344

27



K40



K 40 / 120 X 120 / S / ST37 / 7225 / 2312 / 2344

46

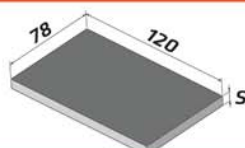
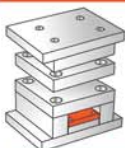


56



76

K60

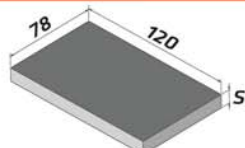
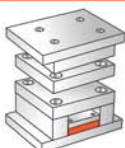


K 60 / 120 X 120 / S / ST37 / 7225 / 2312 / 2344

12



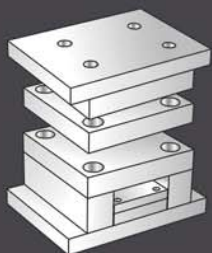
K70



K 70 / 120 X 120 / S / ST37 / 7225 / 2312 / 2344

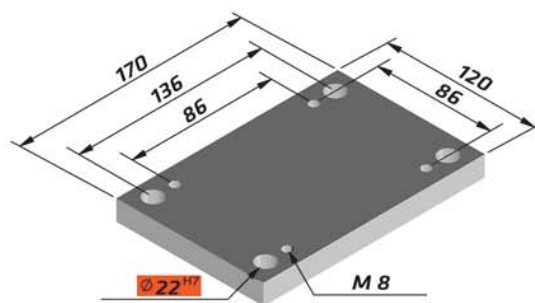
17





120 X 170

Standards Parts K



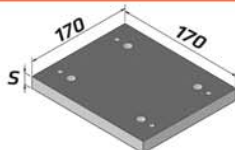
K10



K 10 / 120 X 170 / S / ST37 / 7225 / 2312 / 2344

22 ■

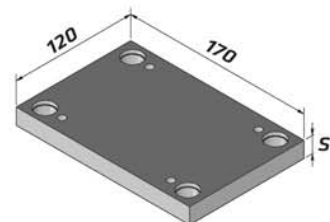
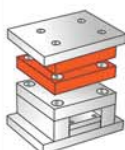
K11



K 11 / 120 X 170 / S / ST37 / 7225 / 2312 / 2344

22 ■

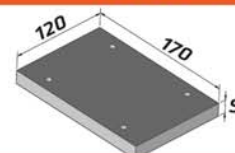
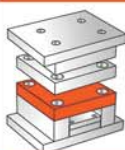
K20



K 20 / 120 X 170 / S / ST37 / 7225 / 2312 / 2344

27	■	■
37	■	■
46	■	■
56	■	■
66	■	■
76		
86		

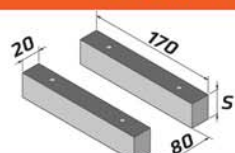
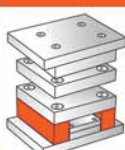
K30



K 30 / 120 X 170 / S / ST37 / 7225 / 2312 / 2344

27 ■

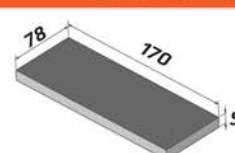
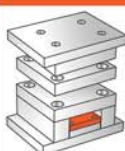
K40



K 40 / 120 X 170 / S / ST37 / 7225 / 2312 / 2344

46	■
56	■
76	

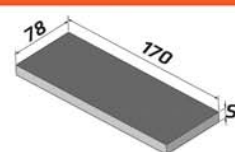
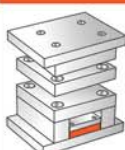
K60



K 60 / 120 X 170 / S / ST37 / 7225 / 2312 / 2344

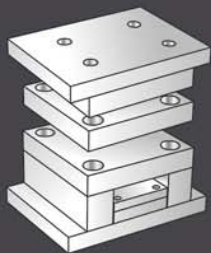
12 ■

K70



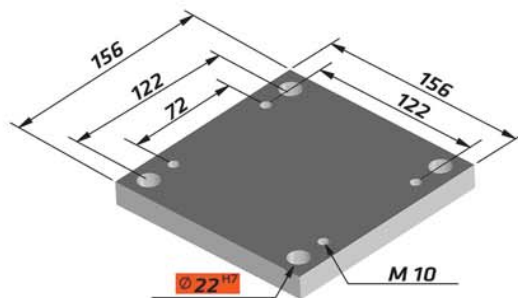
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17 ■

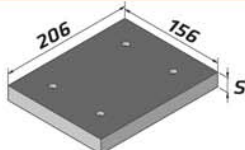


156 X 156

Standards Parts K



K10



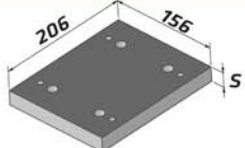
K 10 / 156 X 156 / S / ST37 / 7225 / 2312 / 2344

22



27

K11



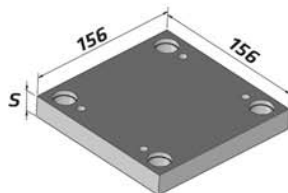
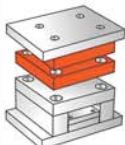
K 11 / 156 X 156 / S / ST37 / 7225 / 2312 / 2344

22



27

K20



K 20 / 156 X 156 / S / ST37 / 7225 / 2312 / 2344

27



37



46



56



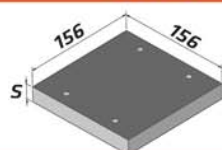
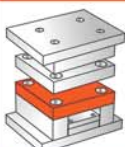
66



76

86

K30



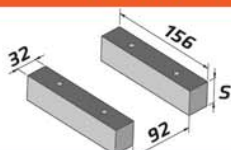
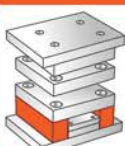
K 30 / 156 X 156 / S / ST37 / 7225 / 2312 / 2344

27



37

K40



K 40 / 156 X 156 / S / ST37 / 7225 / 2312 / 2344

46



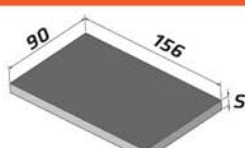
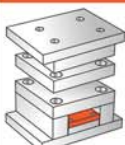
56



76

96

K60

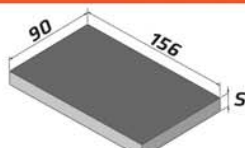
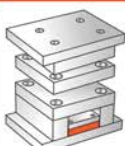


K 60 / 156 X 156 / S / ST37 / 7225 / 2312 / 2344

12



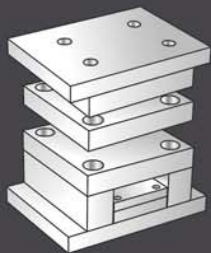
K70



K 70 / 156 X 156 / S / ST37 / 7225 / 2312 / 2344

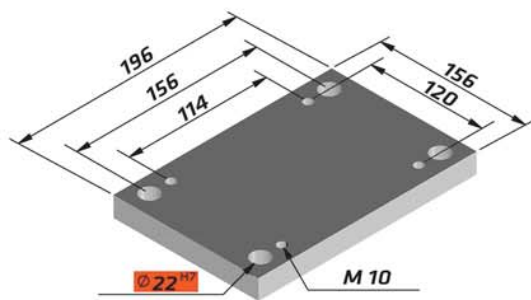
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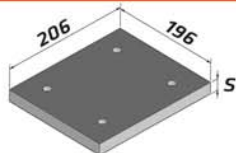


156 X 196

Standards Parts K



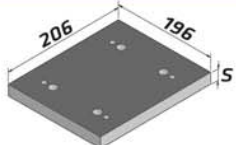
K10



K 10 / 156 X 196 / S / ST37 / 7225 / 2312 / 2344

22	■
27	

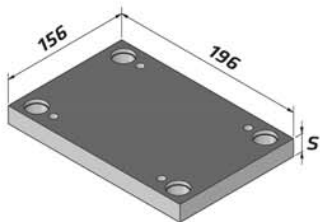
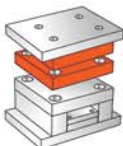
K11



K 11 / 156 X 196 / S / ST37 / 7225 / 2312 / 2344

22	■
27	

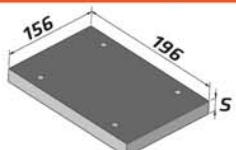
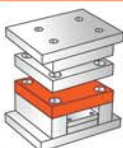
K20



K 20 / 156 X 196 / S / ST37 / 7225 / 2312 / 2344

27	■	■
37	■	■
46	■	■
56	■	■
66	■	■
76		
86		

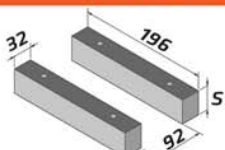
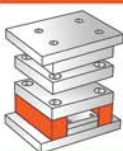
K30



K 30 / 156 X 196 / S / ST37 / 7225 / 2312 / 2344

27	■
37	

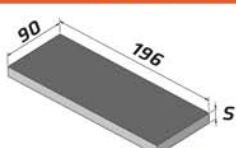
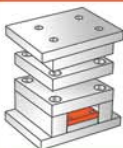
K40



K 40 / 156 X 196 / S / ST37 / 7225 / 2312 / 2344

46	■
56	■
76	
96	

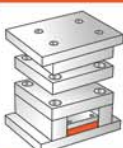
K60



K 60 / 156 X 196 / S / ST37 / 7225 / 2312 / 2344

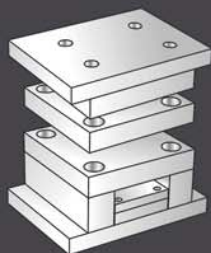
12	■
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K70



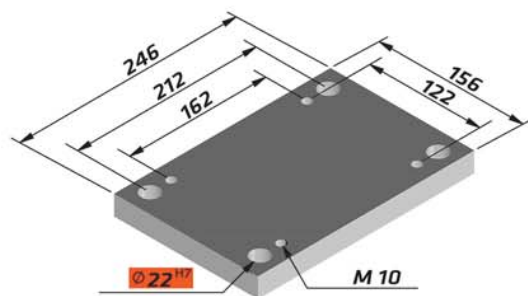
K 70 / 156 X 196 / S / ST37 / 7225 / 2312 / 2344

17	■
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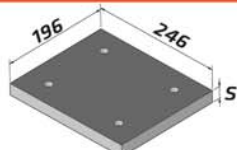


156 X 246

Standards Parts K



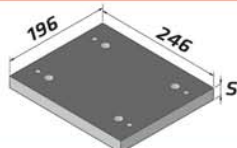
K10



K 10 / 156 X 246 / S / ST37 / 7225 / 2312 / 2344

22	■
27	

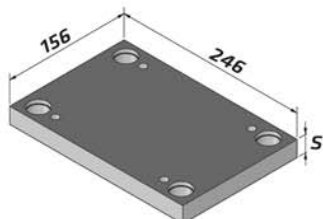
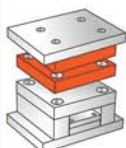
K11



K 11 / 156 X 246 / S / ST37 / 7225 / 2312 / 2344

22	■
27	

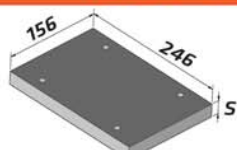
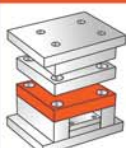
K20



K 20 / 156 X 246 / S / ST37 / 7225 / 2312 / 2344

27	■	■
37	■	■
46	■	■
56	■	■
66	■	■
76		
86		

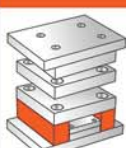
K30



K 30 / 156 X 246 / S / ST37 / 7225 / 2312 / 2344

27	■
37	

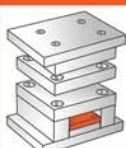
K40



K 40 / 156 X 246 / S / ST37 / 7225 / 2312 / 2344

46	■
56	■
76	
96	

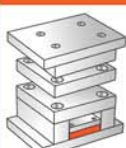
K60



K 60 / 156 X 246 / S / ST37 / 7225 / 2312 / 2344

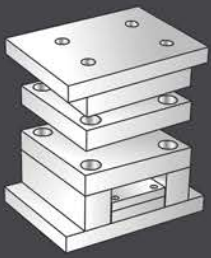
12	■
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K70



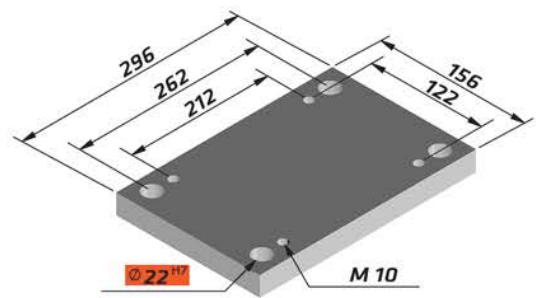
K 70 / 156 X 246 / S / ST37 / 7225 / 2312 / 2344

17	■
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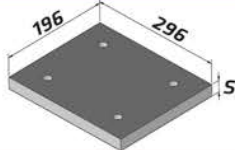
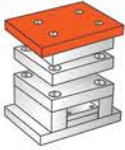


156 X 296

Standards Parts K



K10

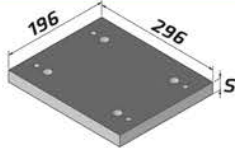
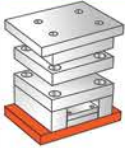


K 10 / 156 X 296 / S / ST37 / 7225 / 2312 / 2344

27



K11

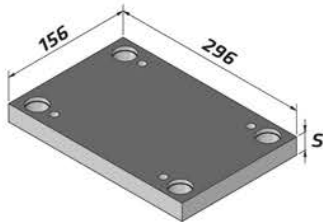
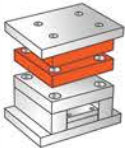


K 11 / 156 X 296 / S / ST37 / 7225 / 2312 / 2344

27



K20



K 20 / 156 X 296 / S / ST37 / 7225 / 2312 / 2344

27



37



46



56



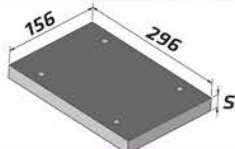
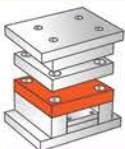
66



76

86

K30



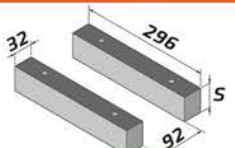
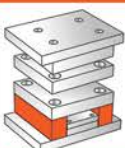
K 30 / 156 X 296 / S / ST37 / 7225 / 2312 / 2344

27



37

K40



K 40 / 156 X 296 / S / ST37 / 7225 / 2312 / 2344

46



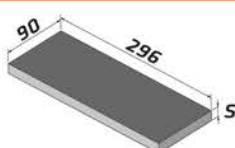
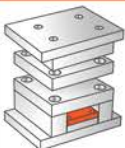
56



76

96

K60

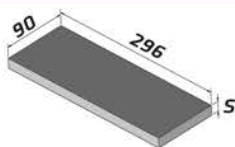
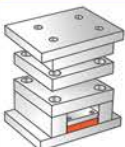


K 60 / 156 X 296 / S / ST37 / 7225 / 2312 / 2344

12



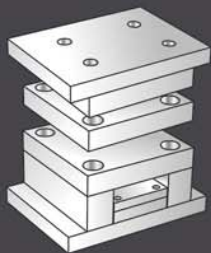
K70



K 70 / 156 X 296 / S / ST37 / 7225 / 2312 / 2344

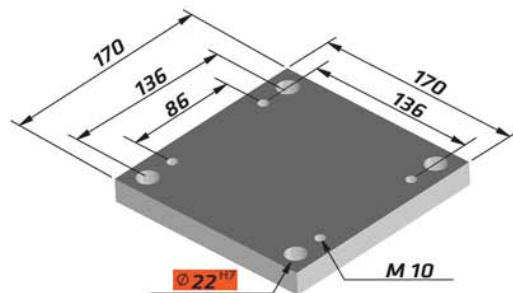
17



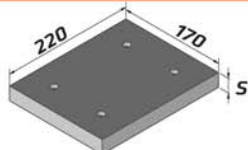
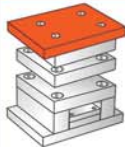


170 X 170

Standards Parts K



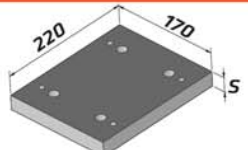
K10



K 10 / 170 X 170 / S / ST37 / 7225 / 2312 / 2344

22	■
27	

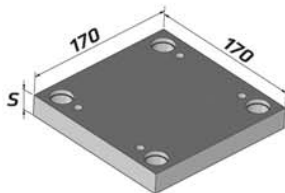
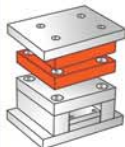
K11



K 11 / 170 X 170 / S / ST37 / 7225 / 2312 / 2344

22	■
27	

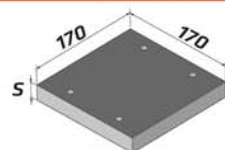
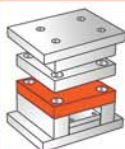
K20



K 20 / 170 X 170 / S / ST37 / 7225 / 2312 / 2344

27	■	■
37	■	■
46	■	■
56	■	■
66	■	■
76		
86		

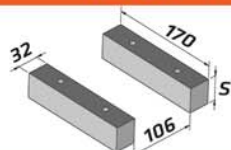
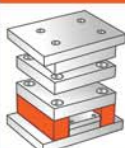
K30



K 30 / 170 X 170 / S / ST37 / 7225 / 2312 / 2344

27	■
37	

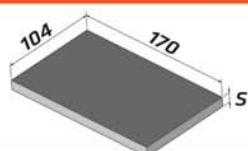
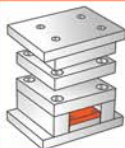
K40



K 40 / 170 X 170 / S / ST37 / 7225 / 2312 / 2344

46	■
56	■
76	
96	

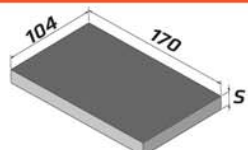
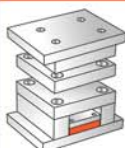
K60



K 60 / 170 X 170 / S / ST37 / 7225 / 2312 / 2344

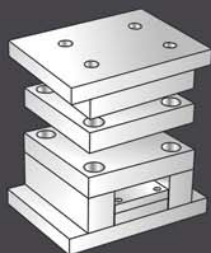
12	■
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K70



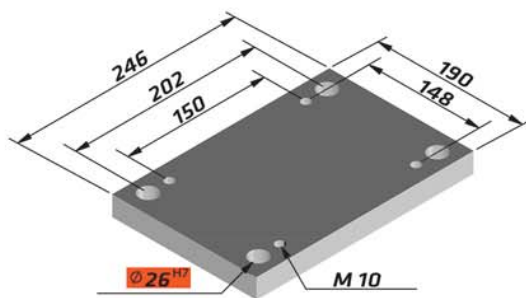
K 70 / 170 X 170 / S / ST37 / 7225 / 2312 / 2344

17	■
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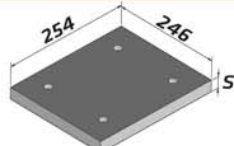


190 X 246

Standards Parts K



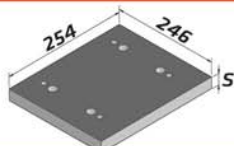
K10



K 10 / 190 X 246 / S / ST37 / 7225 / 2312 / 2344

22	■
27	

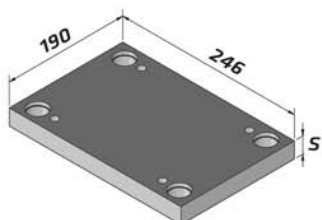
K11



K 11 / 190 X 246 / S / ST37 / 7225 / 2312 / 2344

22	■
27	

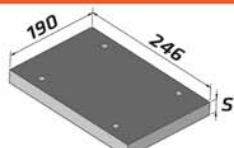
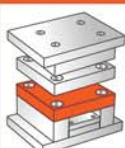
K20



K 20 / 190 X 246 / S / ST37 / 7225 / 2312 / 2344

27	■	■
37	■	■
46	■	■
56	■	■
66	■	■
76		
86		

K30



K 30 / 190 X 246 / S / ST37 / 7225 / 2312 / 2344

27	■
37	

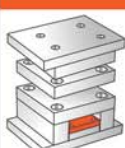
K40



K 40 / 190 X 246 / S / ST37 / 7225 / 2312 / 2344

46	■
56	■
76	
96	

K60



K 60 / 190 X 246 / S / ST37 / 7225 / 2312 / 2344

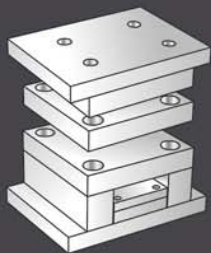
12	■
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K70



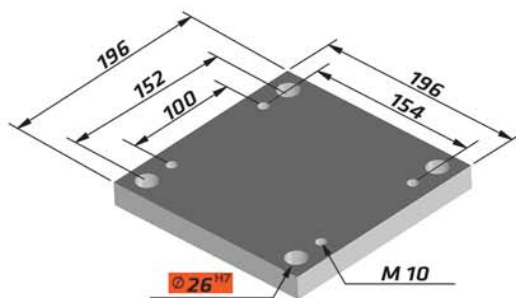
K 70 / 190 X 246 / S / ST37 / 7225 / 2312 / 2344

17	■
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196 X 196

Standards Parts K



K10



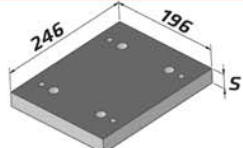
K 10 / 196 X 196 / S / ST37 / 7225 / 2312 / 2344

22



27

K11



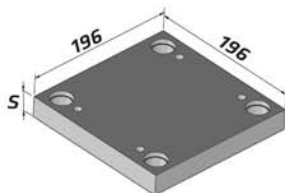
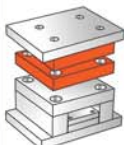
K 11 / 196 X 196 / S / ST37 / 7225 / 2312 / 2344

22



27

K20



K 20 / 196 X 196 / S / ST37 / 7225 / 2312 / 2344

27



37



46



56



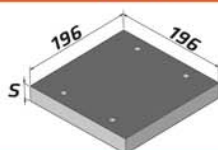
66



76

86

K30



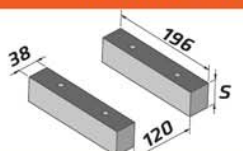
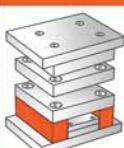
K 30 / 196 X 196 / S / ST37 / 7225 / 2312 / 2344

27



37

K40



K 40 / 196 X 196 / S / ST37 / 7225 / 2312 / 2344

46



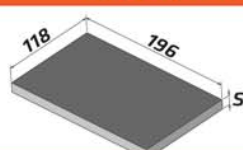
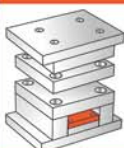
56



76

96

K60

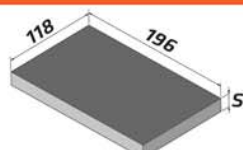


K 60 / 196 X 196 / S / ST37 / 7225 / 2312 / 2344

12



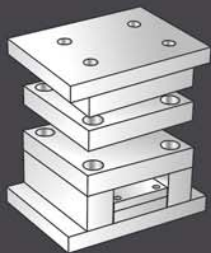
K70



K 70 / 196 X 196 / S / ST37 / 7225 / 2312 / 2344

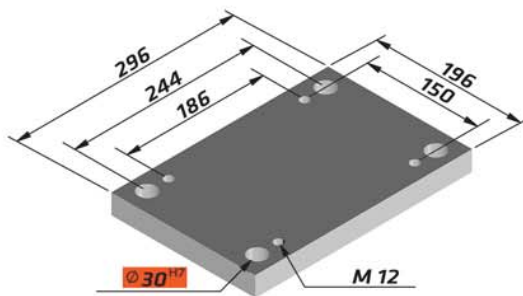
17



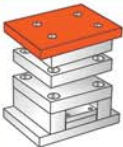


196 X 296

Standards Parts K



K10



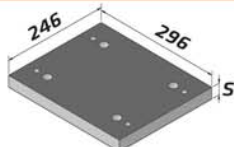
K 10 / 196 X 296 / S / ST37 / 7225 / 2312 / 2344

27



37

K11



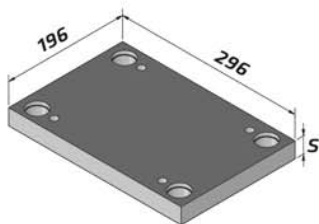
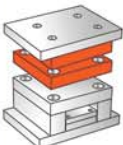
K 11 / 196 X 296 / S / ST37 / 7225 / 2312 / 2344

27



37

K20



K 20 / 196 X 296 / S / ST37 / 7225 / 2312 / 2344

27



37



46



56



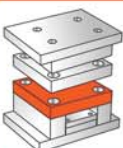
66



76

86

K30



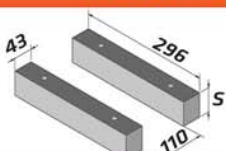
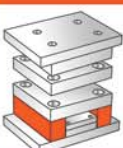
K 30 / 196 X 296 / S / ST37 / 7225 / 2312 / 2344

27



37

K40



K 40 / 196 X 296 / S / ST37 / 7225 / 2312 / 2344

46



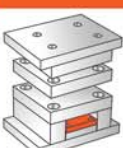
56



76

96

K60



K 60 / 196 X 296 / S / ST37 / 7225 / 2312 / 2344

12



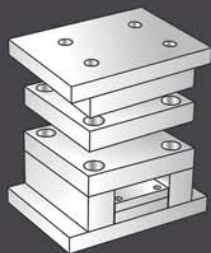
K70



K 70 / 196 X 296 / S / ST37 / 7225 / 2312 / 2344

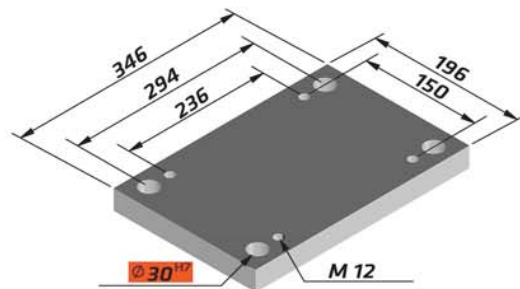
17



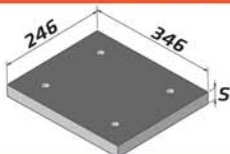


196 X 346

Standards Parts K



K10

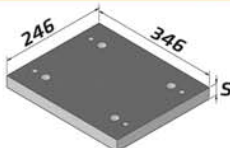


K 10 / 196 X 346 / S / ST37 / 7225 / 2312 / 2344

27

37

K11

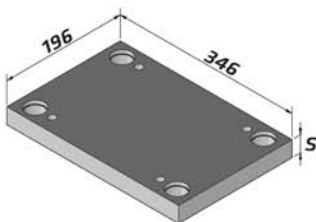


K 11 / 196 X 346 / S / ST37 / 7225 / 2312 / 2344

27

37

K20



K 20 / 196 X 346 / S / ST37 / 7225 / 2312 / 2344

27

37

46

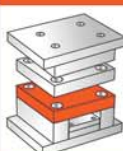
56

66

76

86

K30

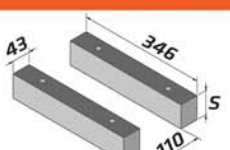


K 30 / 196 X 346 / S / ST37 / 7225 / 2312 / 2344

27

37

K40



K 40 / 196 X 346 / S / ST37 / 7225 / 2312 / 2344

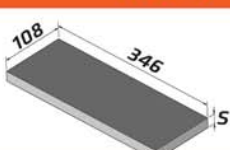
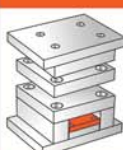
46

56

76

96

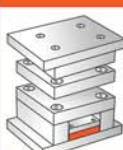
K60



K 60 / 196 X 346 / S / ST37 / 7225 / 2312 / 2344

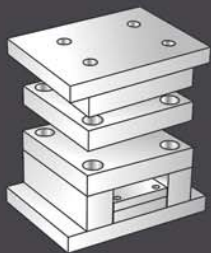
12

K70



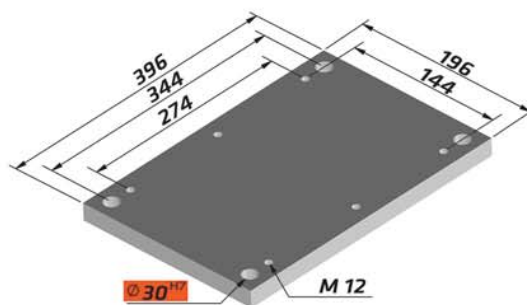
K 70 / 196 X 346 / S / ST37 / 7225 / 2312 / 2344

17

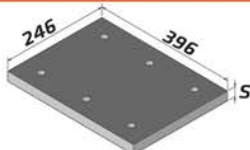


196 X 396

Standards Parts K



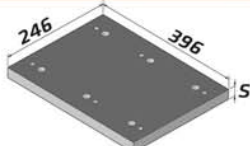
K10



K 10 / 196 X 396 / S / ST37 / 7225 / 2312 / 2344

27	■
37	

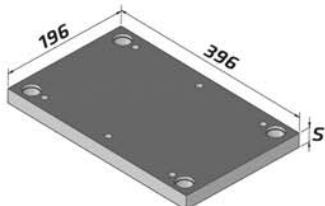
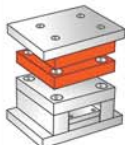
K11



K 11 / 196 X 396 / S / ST37 / 7225 / 2312 / 2344

27	■
37	

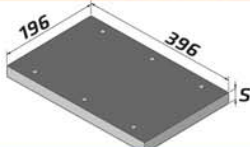
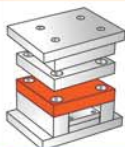
K20



K 20 / 196 X 396 / S / ST37 / 7225 / 2312 / 2344

27	■	■
37	■	■
46	■	■
56	■	■
66	■	■
76		
86		

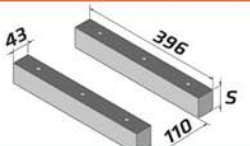
K30



K 30 / 196 X 396 / S / ST37 / 7225 / 2312 / 2344

27	■
37	

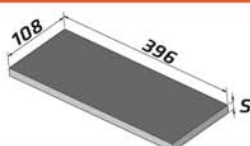
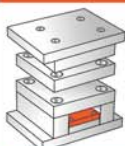
K40



K 40 / 196 X 396 / S / ST37 / 7225 / 2312 / 2344

56	■
76	■
96	

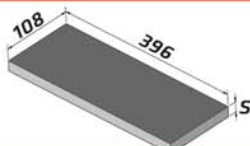
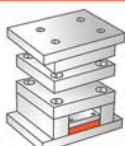
K60



K 60 / 196 X 396 / S / ST37 / 7225 / 2312 / 2344

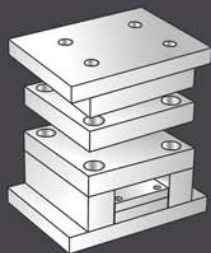
17	■
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K70



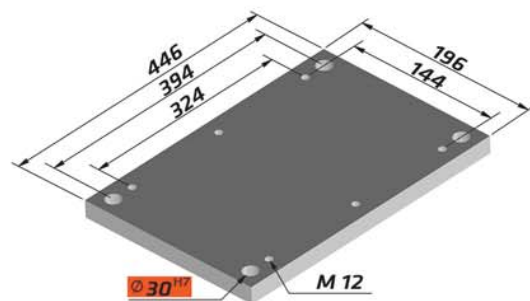
K 70 / 196 X 396 / S / ST37 / 7225 / 2312 / 2344

22	■
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196 X 446

Standards Parts K



K 10 / 196 X 446 / S / ST37 / 7225 / 2312 / 2344	
K10	27
	37

K 11 / 196 X 446 / S / ST37 / 7225 / 2312 / 2344	
K11	27
	37

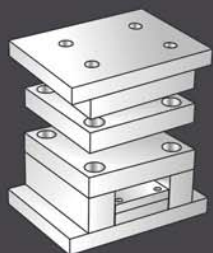
K 20 / 196 X 446 / S / ST37 / 7225 / 2312 / 2344	
K20	27
	37
	46
	56
	66
	76
	86

K 30 / 196 X 446 / S / ST37 / 7225 / 2312 / 2344	
K30	27
	37

K 40 / 196 X 446 / S / ST37 / 7225 / 2312 / 2344	
K40	56
	76
	96

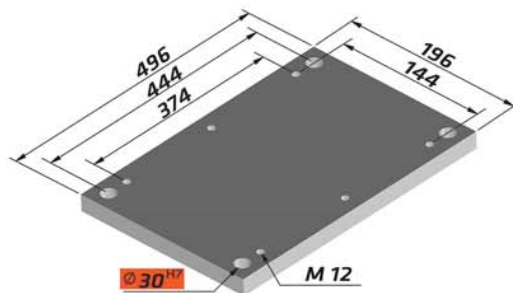
K 60 / 196 X 446 / S / ST37 / 7225 / 2312 / 2344	
K60	17

K 70 / 196 X 446 / S / ST37 / 7225 / 2312 / 2344	
K70	22

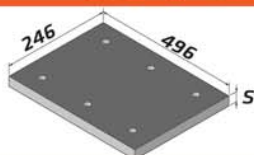


196 X 496

Standards Parts K



K10

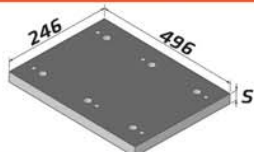


K 10 / 196 X 496 / S / ST37 / 7225 / 2312 / 2344

27

37

K11

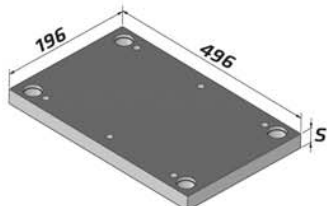
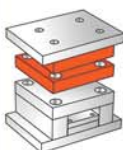


K 11 / 196 X 496 / S / ST37 / 7225 / 2312 / 2344

27

37

K20



K 20 / 196 X 496 / S / ST37 / 7225 / 2312 / 2344

27

37

46

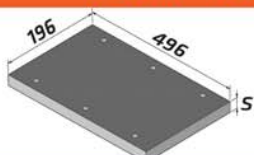
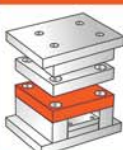
56

66

76

86

K30

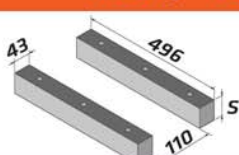
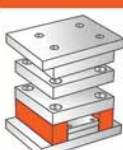


K 30 / 196 X 496 / S / ST37 / 7225 / 2312 / 2344

27

37

K40



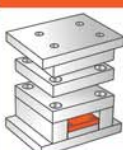
K 40 / 196 X 496 / S / ST37 / 7225 / 2312 / 2344

56

76

96

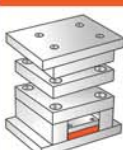
K60



K 60 / 196 X 496 / S / ST37 / 7225 / 2312 / 2344

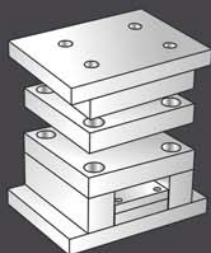
17

K70



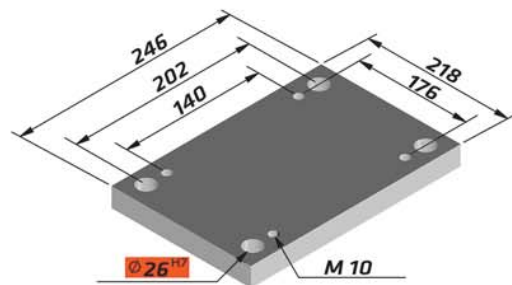
K 70 / 196 X 496 / S / ST37 / 7225 / 2312 / 2344

22

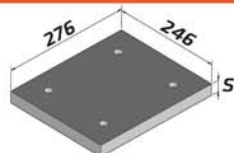


218 X 246

Standards Parts K



K10

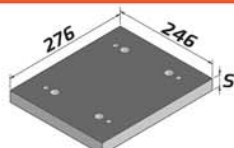


K 10 / 218 X 246 / S / ST37 / 7225 / 2312 / 2344

22

27

K11

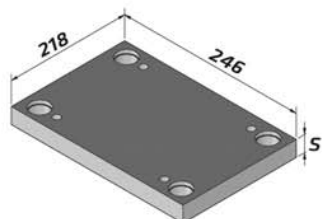
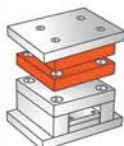


K 11 / 218 X 246 / S / ST37 / 7225 / 2312 / 2344

22

27

K20



K 20 / 218 X 246 / S / ST37 / 7225 / 2312 / 2344

27

37

46

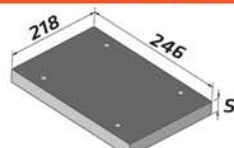
56

66

76

86

K30



K 30 / 218 X 246 / S / ST37 / 7225 / 2312 / 2344

27

37

K40



K 40 / 218 X 246 / S / ST37 / 7225 / 2312 / 2344

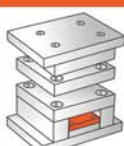
46

56

76

96

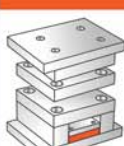
K60



K 60 / 218 X 246 / S / ST37 / 7225 / 2312 / 2344

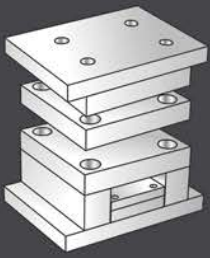
12

K70



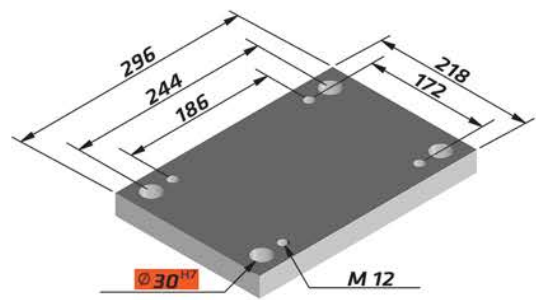
K 70 / 218 X 246 / S / ST37 / 7225 / 2312 / 2344

17

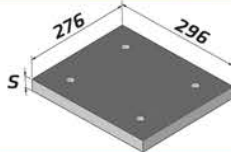


218 X 296

Standards Parts K



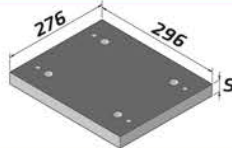
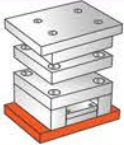
K10



K 10 / 218 X 296 / S / ST37 / 7225 / 2312 / 2344

27	☐
37	☐

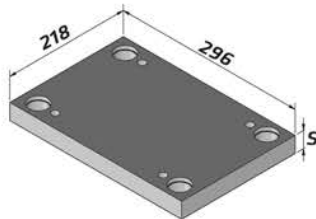
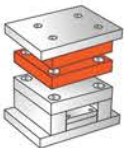
K11



K 11 / 218 X 296 / S / ST37 / 7225 / 2312 / 2344

27	☐
37	☐

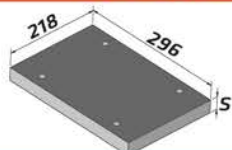
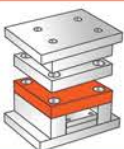
K20



K 20 / 218 X 296 / S / ST37 / 7225 / 2312 / 2344

27	☐	☐
37	☐	☐
46	☐	☐
56	☐	☐
66	☐	☐
76	☐	☐
86	☐	☐

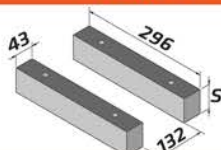
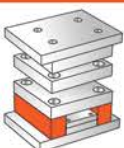
K30



K 30 / 218 X 296 / S / ST37 / 7225 / 2312 / 2344

27	☐
37	☐

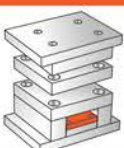
K40



K 40 / 218 X 296 / S / ST37 / 7225 / 2312 / 2344

46	☐
56	☐
76	☐
96	☐

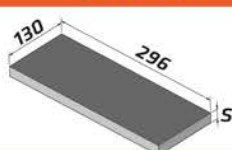
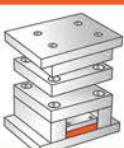
K60



K 60 / 218 X 296 / S / ST37 / 7225 / 2312 / 2344

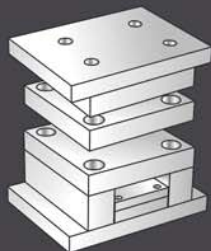
12	☐
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K70



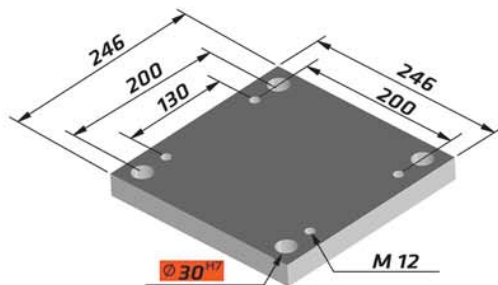
K 70 / 218 X 296 / S / ST37 / 7225 / 2312 / 2344

17	☐
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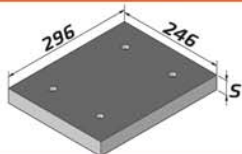


246 X 246

Standards Parts K



K10

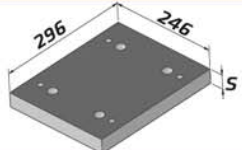


K 10 / 246 X 246 / S / ST37 / 7225 / 2312 / 2344

27

37

K11

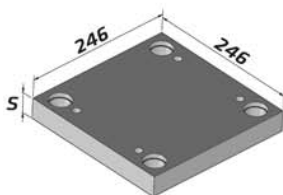
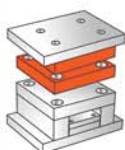


K 11 / 246 X 246 / S / ST37 / 7225 / 2312 / 2344

27

37

K20



K 20 / 246 X 246 / S / ST37 / 7225 / 2312 / 2344

27

37

46

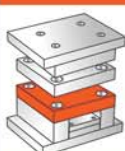
56

66

76

86

K30

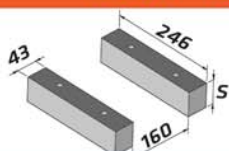


K 30 / 246 X 246 / S / ST37 / 7225 / 2312 / 2344

27

37

K40



K 40 / 246 X 246 / S / ST37 / 7225 / 2312 / 2344

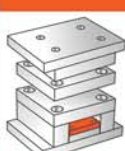
46

56

76

96

K60



K 60 / 246 X 246 / S / ST37 / 7225 / 2312 / 2344

12

K70



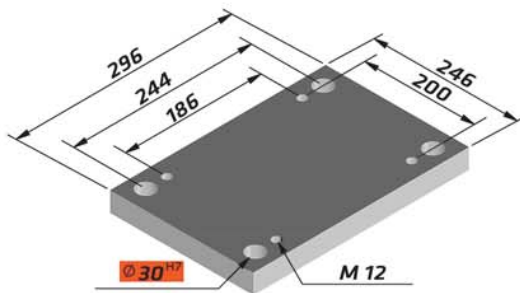
K 70 / 246 X 246 / S / ST37 / 7225 / 2312 / 2344

17



246 X 296

Standards Parts K



K 10 / 246 X 296 / S / ST37 / 7225 / 2312 / 2344	
K10	27
	37

K 11 / 246 X 296 / S / ST37 / 7225 / 2312 / 2344	
K11	27
	37

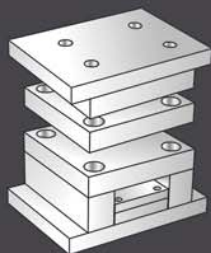
K 20 / 246 X 296 / S / ST37 / 7225 / 2312 / 2344	
K20	27
	37
	46
	56
	66
	76
	86

K 30 / 246 X 296 / S / ST37 / 7225 / 2312 / 2344	
K30	27
	37

K 40 / 246 X 296 / S / ST37 / 7225 / 2312 / 2344	
K40	46
	56
	76
	96

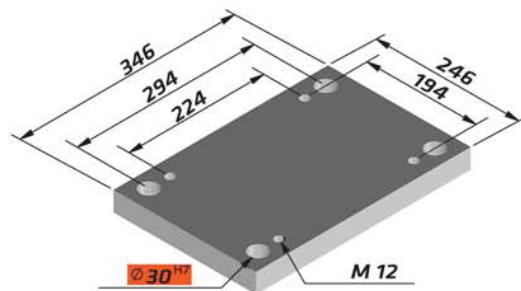
K 60 / 246 X 296 / S / ST37 / 7225 / 2312 / 2344	
K60	12

K 70 / 246 X 296 / S / ST37 / 7225 / 2312 / 2344	
K70	17

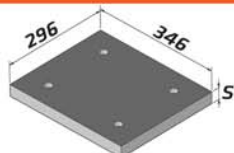


246 X 346

Standards Parts K



K10



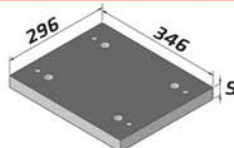
K 10 / 246 X 346 / S / ST37 / 7225 / 2312 / 2344

27



37

K11



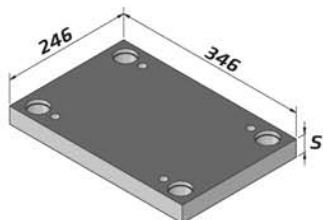
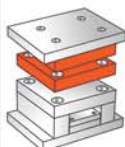
K 11 / 246 X 346 / S / ST37 / 7225 / 2312 / 2344

27



37

K20



K 20 / 246 X 346 / S / ST37 / 7225 / 2312 / 2344

27



37



46



56



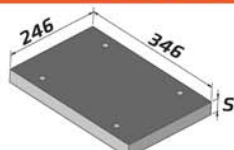
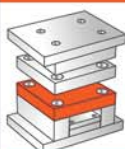
66



76

86

K30



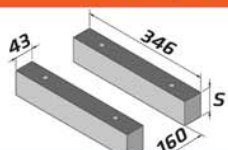
K 30 / 246 X 346 / S / ST37 / 7225 / 2312 / 2344

27



37

K40



K 40 / 246 X 346 / S / ST37 / 7225 / 2312 / 2344

56

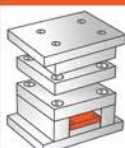


76



96

K60

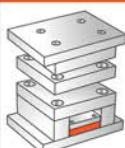


K 60 / 246 X 346 / S / ST37 / 7225 / 2312 / 2344

17



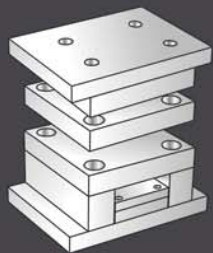
K70



K 70 / 246 X 346 / S / ST37 / 7225 / 2312 / 2344

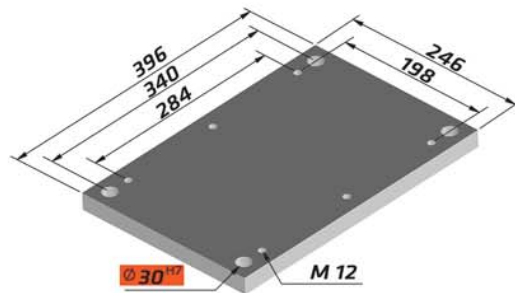
22





246 X 396

Standards Parts K



		K 10 / 246 X 396 / S / ST37 / 7225 / 2312 / 2344					
K10			27	■			
			37				

		K 11 / 246 X 396 / S / ST37 / 7225 / 2312 / 2344					
K11			27	■			
			37				

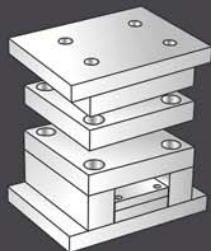
		K 20 / 246 X 396 / S / ST37 / 7225 / 2312 / 2344					
K20			27		■		■
			37		■		■
			46		■		■
			56		■		■
			66		■		■
			76				
			86				

		K 30 / 246 X 396 / S / ST37 / 7225 / 2312 / 2344					
K30			27	■			
			37				

		K 40 / 246 X 396 / S / ST37 / 7225 / 2312 / 2344					
K40			56	■			
			76	■			
			96				

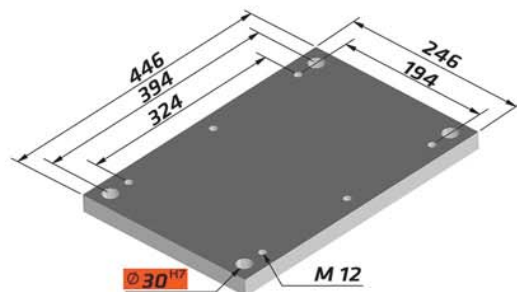
		K 60 / 246 X 396 / S / ST37 / 7225 / 2312 / 2344					
K60			17	■			

		K 70 / 246 X 396 / S / ST37 / 7225 / 2312 / 2344					
K70			22	■			

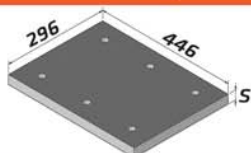


246 X 446

Standards Parts K



K10

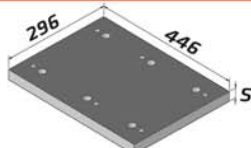


K 10 / 246 X 446 / S / ST37 / 7225 / 2312 / 2344

27

37

K11

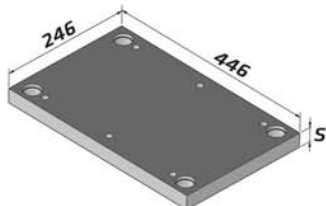
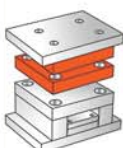


K 11 / 246 X 446 / S / ST37 / 7225 / 2312 / 2344

27

37

K20



K 20 / 246 X 446 / S / ST37 / 7225 / 2312 / 2344

27

37

46

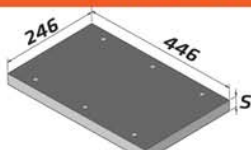
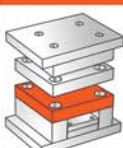
56

66

76

86

K30

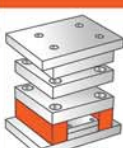


K 30 / 246 X 446 / S / ST37 / 7225 / 2312 / 2344

27

37

K40



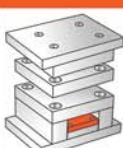
K 40 / 246 X 446 / S / ST37 / 7225 / 2312 / 2344

56

76

96

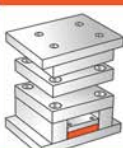
K60



K 60 / 246 X 446 / S / ST37 / 7225 / 2312 / 2344

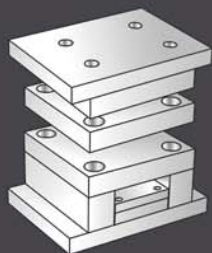
17

K70



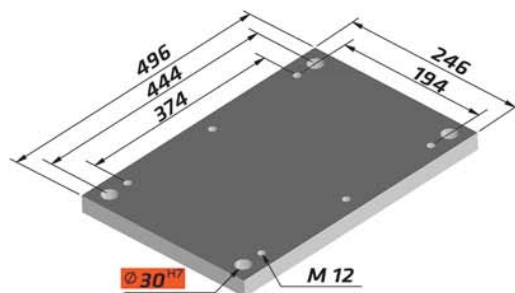
K 70 / 246 X 446 / S / ST37 / 7225 / 2312 / 2344

22



246 X 496

Standards Parts K



K 10 / 246 X 496 / S / ST37 / 7225 / 2312 / 2344	
K10	27
	37

K 11 / 246 X 496 / S / ST37 / 7225 / 2312 / 2344	
K11	27
	37

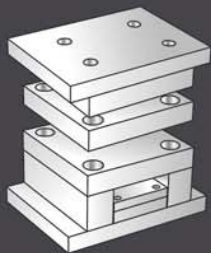
K 20 / 246 X 496 / S / ST37 / 7225 / 2312 / 2344	
K20	27
	37
	46
	56
	66
	76
	86

K 30 / 246 X 496 / S / ST37 / 7225 / 2312 / 2344	
K30	27
	37

K 40 / 246 X 496 / S / ST37 / 7225 / 2312 / 2344	
K40	56
	76
	96

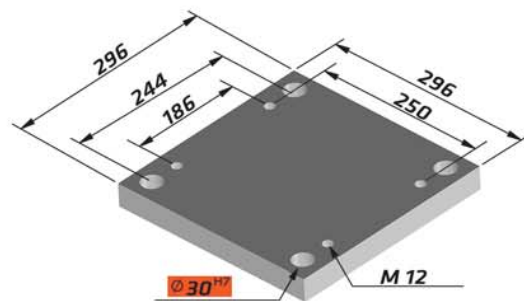
K 60 / 246 X 496 / S / ST37 / 7225 / 2312 / 2344	
K60	17

K 70 / 246 X 496 / S / ST37 / 7225 / 2312 / 2344	
K70	22



296 X 296

Standards Parts K



K10

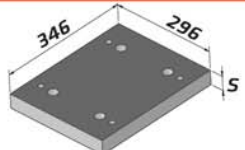


K 10 / 296 X 296 / S / ST37 / 7225 / 2312 / 2344

27

37

K11

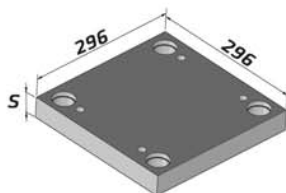
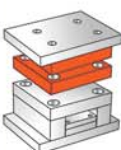


K 11 / 296 X 296 / S / ST37 / 7225 / 2312 / 2344

27

37

K20



K 20 / 296 X 296 / S / ST37 / 7225 / 2312 / 2344

27

37

46

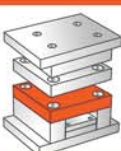
56

66

76

86

K30

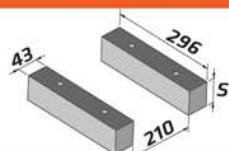


K 30 / 296 X 296 / S / ST37 / 7225 / 2312 / 2344

27

37

K40



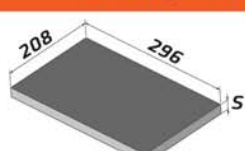
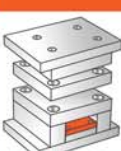
K 40 / 296 X 296 / S / ST37 / 7225 / 2312 / 2344

56

76

96

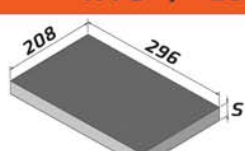
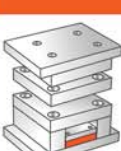
K60



K 60 / 296 X 296 / S / ST37 / 7225 / 2312 / 2344

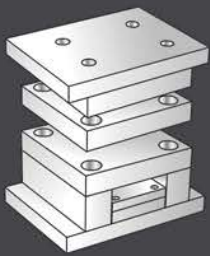
17

K70



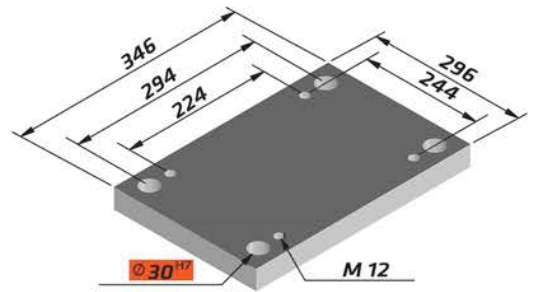
K 70 / 296 X 296 / S / ST37 / 7225 / 2312 / 2344

22

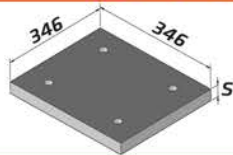
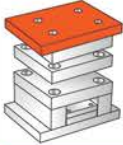


296 X 346

Standards Parts K



K10



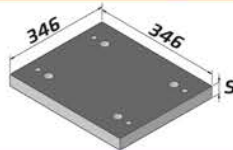
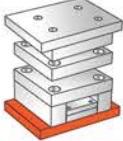
K 10 / 296 X 346 / S / ST37 / 7225 / 2312 / 2344

27



37

K11



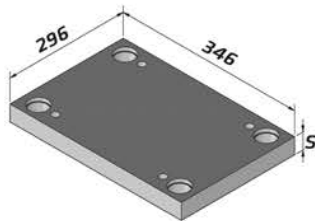
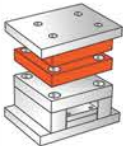
K 11 / 296 X 346 / S / ST37 / 7225 / 2312 / 2344

27



37

K20



K 20 / 296 X 346 / S / ST37 / 7225 / 2312 / 2344

27



37



46



56



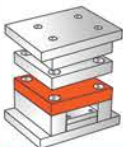
66



76

86

K30



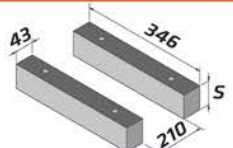
K 30 / 296 X 346 / S / ST37 / 7225 / 2312 / 2344

27



37

K40



K 40 / 296 X 346 / S / ST37 / 7225 / 2312 / 2344

56

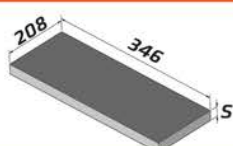
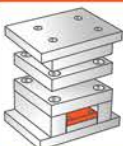


76



96

K60

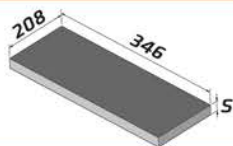
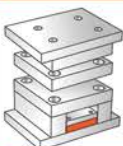


K 60 / 296 X 346 / S / ST37 / 7225 / 2312 / 2344

17



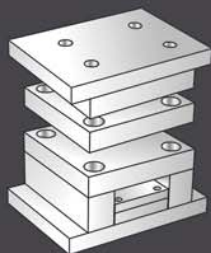
K70



K 70 / 296 X 346 / S / ST37 / 7225 / 2312 / 2344

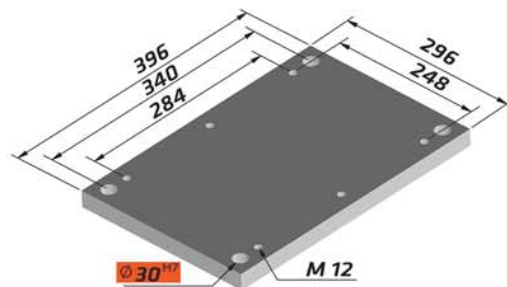
22



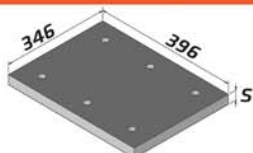


296 X 396

Standards Parts K



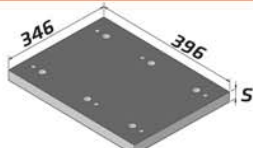
K10



K 10 / 296 X 396 / S / ST37 / 7225 / 2312 / 2344

27	■
37	

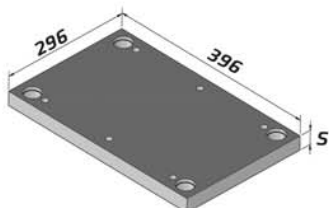
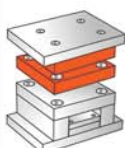
K11



K 11 / 296 X 396 / S / ST37 / 7225 / 2312 / 2344

27	■
37	

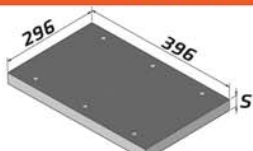
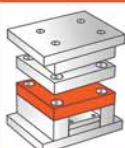
K20



K 20 / 296 X 396 / S / ST37 / 7225 / 2312 / 2344

27	■	■
37	■	■
46	■	■
56	■	■
66	■	■
76		
86		

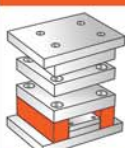
K30



K 30 / 296 X 396 / S / ST37 / 7225 / 2312 / 2344

27	■
37	

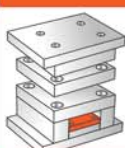
K40



K 40 / 296 X 396 / S / ST37 / 7225 / 2312 / 2344

56	■
76	■
96	

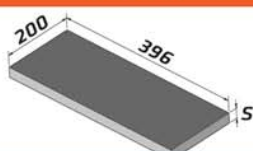
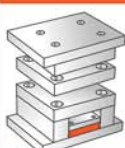
K60



K 60 / 296 X 396 / S / ST37 / 7225 / 2312 / 2344

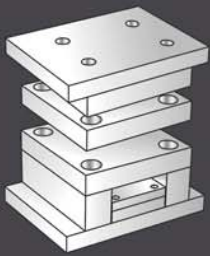
17	■
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K70



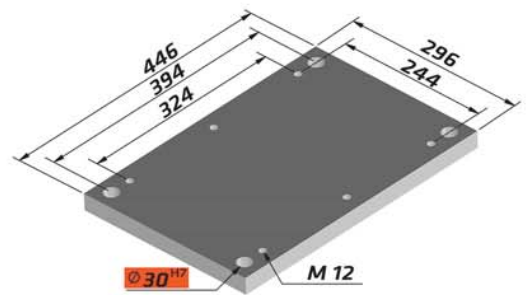
K 70 / 296 X 396 / S / ST37 / 7225 / 2312 / 2344

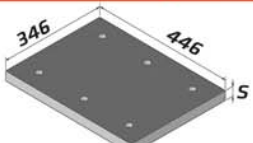
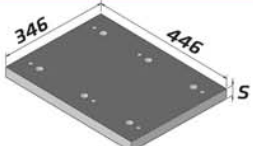
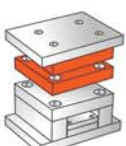
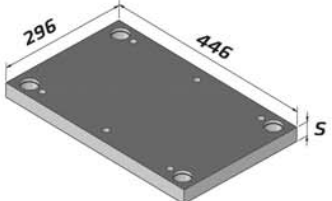
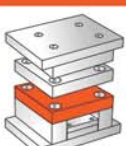
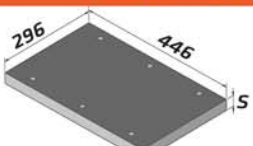
22	■
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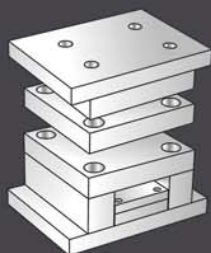


296 X 446

Standards Parts K

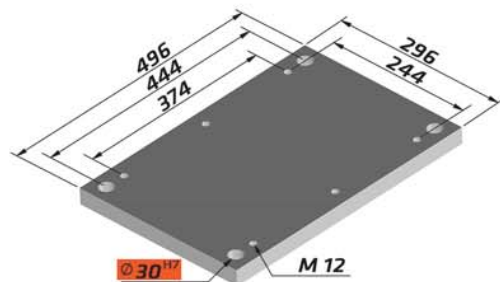


		K 10 / 296 X 446 / S / ST37 / 7225 / 2312 / 2344					
K10			27	■			
			37				
		K 11 / 296 X 446 / S / ST37 / 7225 / 2312 / 2344					
K11			27	■			
			37				
		K 20 / 296 X 446 / S / ST37 / 7225 / 2312 / 2344					
K20			27		■	■	
			37		■	■	
			46		■	■	
			56		■	■	
			66		■	■	
			76				
			86				
		K 30 / 296 X 446 / S / ST37 / 7225 / 2312 / 2344					
K30			27	■			
			37				
		K 40 / 296 X 446 / S / ST37 / 7225 / 2312 / 2344					
K40			56	■			
			76	■			
			96				
		K 60 / 296 X 446 / S / ST37 / 7225 / 2312 / 2344					
K60			17	■			
		K 70 / 296 X 446 / S / ST37 / 7225 / 2312 / 2344					
K70			22	■			

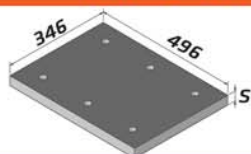


296 X 496

Standards Parts K



K10

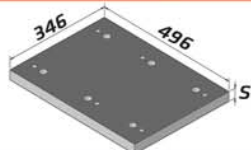


K 10 / 296 X 496 / S / ST37 / 7225 / 2312 / 2344

27

37

K11

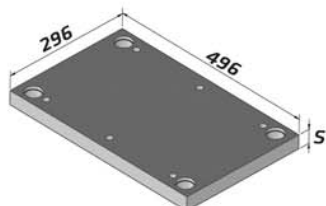
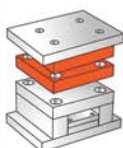


K 11 / 296 X 496 / S / ST37 / 7225 / 2312 / 2344

27

37

K20



K 20 / 296 X 496 / S / ST37 / 7225 / 2312 / 2344

27

37

46

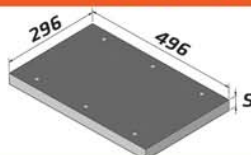
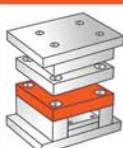
56

66

76

86

K30

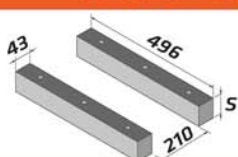
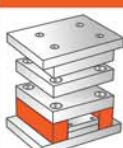


K 30 / 296 X 496 / S / ST37 / 7225 / 2312 / 2344

27

37

K40



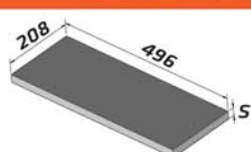
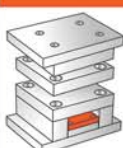
K 40 / 296 X 496 / S / ST37 / 7225 / 2312 / 2344

56

76

96

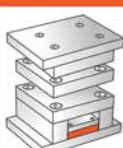
K60



K 60 / 296 X 496 / S / ST37 / 7225 / 2312 / 2344

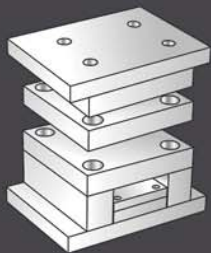
17

K70



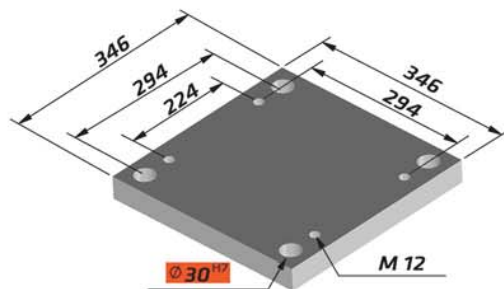
K 70 / 296 X 496 / S / ST37 / 7225 / 2312 / 2344

22

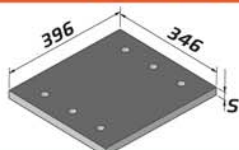


346 X 346

Standards Parts K



K10

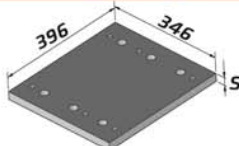


27



37

K11

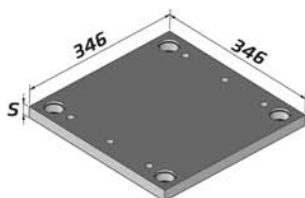
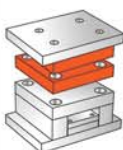


27



37

K20



27



37



46



56



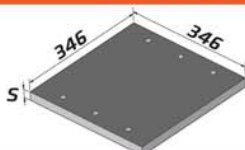
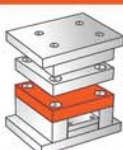
66



76

86

K30

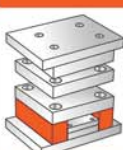


27



37

K40



56

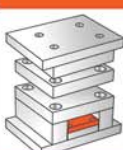


76



96

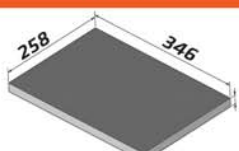
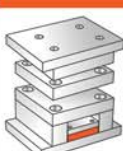
K60



17

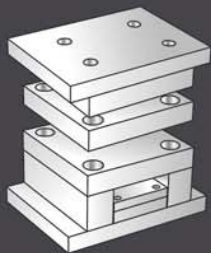


K70



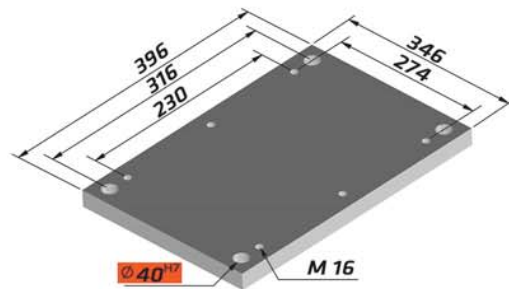
22



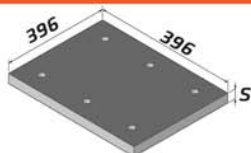


346 X 396

Standards Parts K



K10

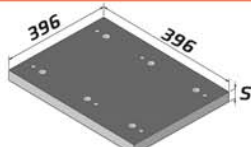


K 10 / 346 X 396 / S / ST37 / 7225 / 2312 / 2344

27

37

K11

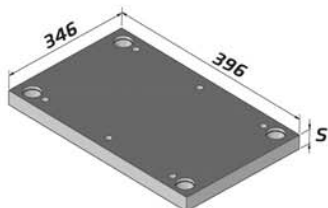
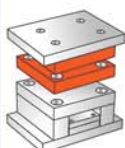


K 11 / 346 X 396 / S / ST37 / 7225 / 2312 / 2344

27

37

K20



K 20 / 346 X 396 / S / ST37 / 7225 / 2312 / 2344

27

37

46

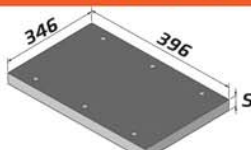
56

66

76

86

K30

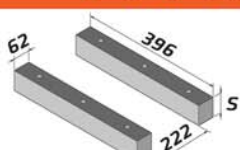
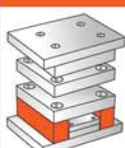


K 30 / 346 X 396 / S / ST37 / 7225 / 2312 / 2344

27

37

K40



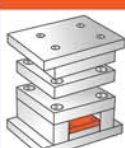
K 40 / 346 X 396 / S / ST37 / 7225 / 2312 / 2344

56

76

96

K60



K 60 / 346 X 396 / S / ST37 / 7225 / 2312 / 2344

17

K70



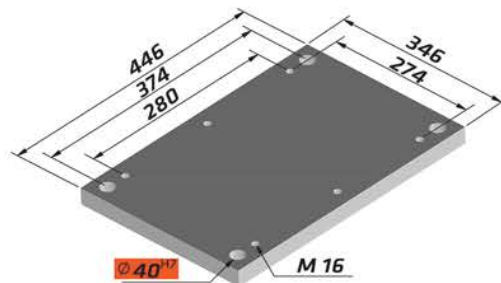
K 70 / 346 X 396 / S / ST37 / 7225 / 2312 / 2344

22



346 X 446

Standards Parts K



K10 / 346 X 446 / S / ST37 / 7225 / 2312 / 2344	
K10	27
	37

K11 / 346 X 446 / S / ST37 / 7225 / 2312 / 2344	
K11	27
	37

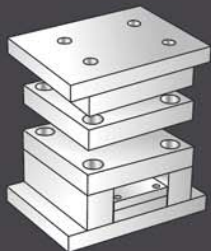
K20 / 346 X 446 / S / ST37 / 7225 / 2312 / 2344	
K20	27
	37
	46
	56
	66
	76
	86

K30 / 346 X 446 / S / ST37 / 7225 / 2312 / 2344	
K30	27
	37

K40 / 346 X 446 / S / ST37 / 7225 / 2312 / 2344	
K40	56
	76
	96

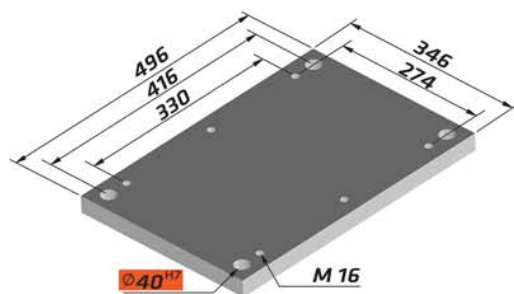
K60 / 346 X 446 / S / ST37 / 7225 / 2312 / 2344	
K60	17

K70 / 346 X 446 / S / ST37 / 7225 / 2312 / 2344	
K70	22



346 X 496

Standards Parts K



K10

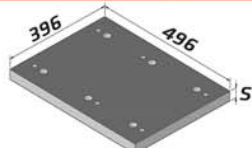
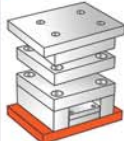


K 10 / 346 X 496 / S / ST37 / 7225 / 2312 / 2344

27

37

K11

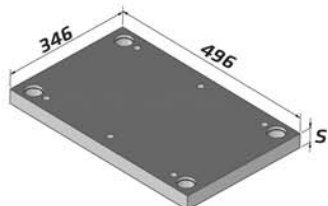


K 11 / 346 X 496 / S / ST37 / 7225 / 2312 / 2344

27

37

K20



K 20 / 346 X 496 / S / ST37 / 7225 / 2312 / 2344

27

37

46

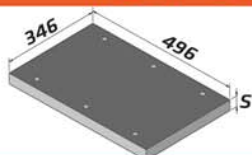
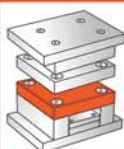
56

66

76

86

K30



K 30 / 346 X 496 / S / ST37 / 7225 / 2312 / 2344

27

37

K40



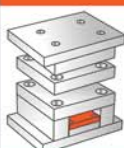
K 40 / 346 X 496 / S / ST37 / 7225 / 2312 / 2344

56

76

96

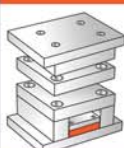
K60



K 60 / 346 X 496 / S / ST37 / 7225 / 2312 / 2344

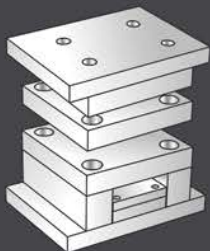
17

K70



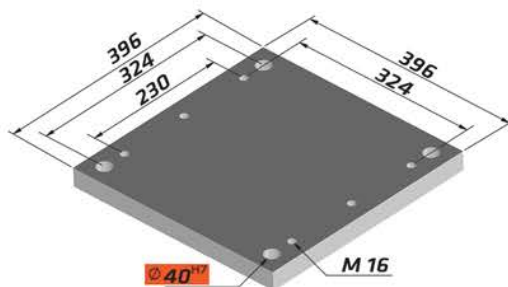
K 70 / 346 X 496 / S / ST37 / 7225 / 2312 / 2344

22

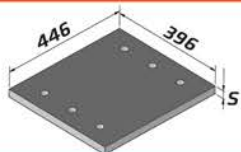


396 X 396

Standards Parts K



K10

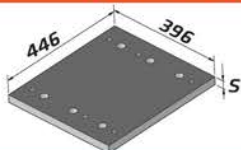


K 10 / 396 X 396 / S / ST37 / 7225 / 2312 / 2344

27 ■

37

K11

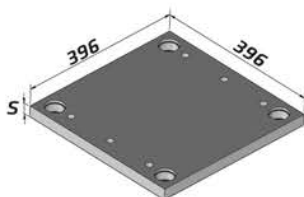
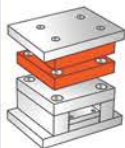


K 11 / 396 X 396 / S / ST37 / 7225 / 2312 / 2344

27 ■

37

K20



K 20 / 396 X 396 / S / ST37 / 7225 / 2312 / 2344

27

■

■

37

■

■

46

■

■

56

■

■

66

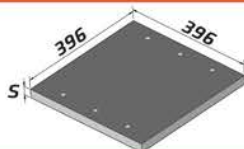
■

■

76

86

K30

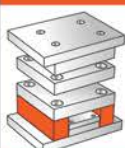


K 30 / 396 X 396 / S / ST37 / 7225 / 2312 / 2344

27 ■

37

K40



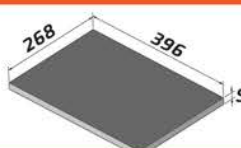
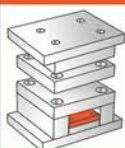
K 40 / 396 X 396 / S / ST37 / 7225 / 2312 / 2344

56 ■

76 ■

96

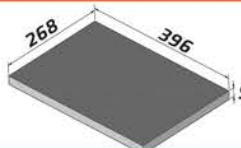
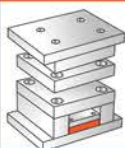
K60



K 60 / 396 X 396 / S / ST37 / 7225 / 2312 / 2344

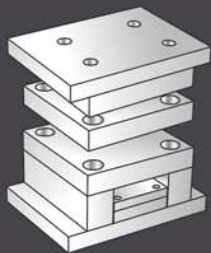
17 ■

K70



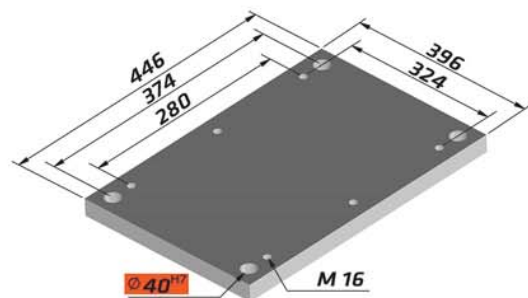
K 70 / 396 X 396 / S / ST37 / 7225 / 2312 / 2344

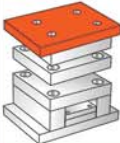
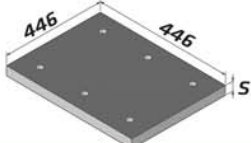
22 ■

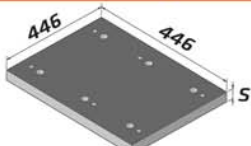


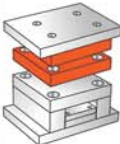
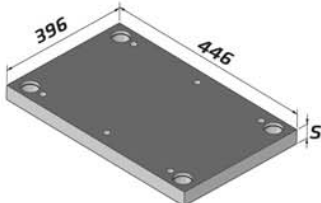
396 X 446

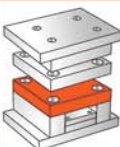
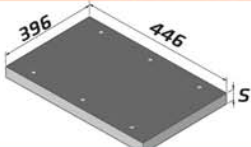
Standards Parts K

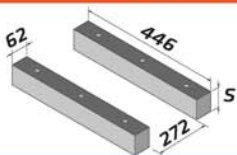


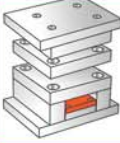
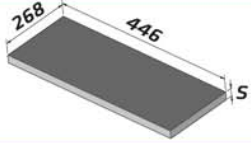
		K 10 / 396 X 446 / S / ST37 / 7225 / 2312 / 2344					
K10			27	■			
			37				

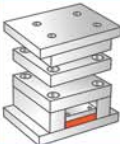
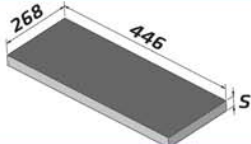
		K 11 / 396 X 446 / S / ST37 / 7225 / 2312 / 2344					
K11			27	■			
			37				

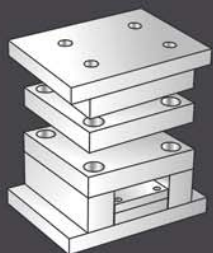
		K 20 / 396 X 446 / S / ST37 / 7225 / 2312 / 2344					
K20			27		■	■	
			37		■	■	
			46		■	■	
			56		■	■	
			66		■	■	
			76				
86							

		K 30 / 396 X 446 / S / ST37 / 7225 / 2312 / 2344					
K30			27	■			
			37				

		K 40 / 396 X 446 / S / ST37 / 7225 / 2312 / 2344					
K40			56	■			
			76	■			
			96				

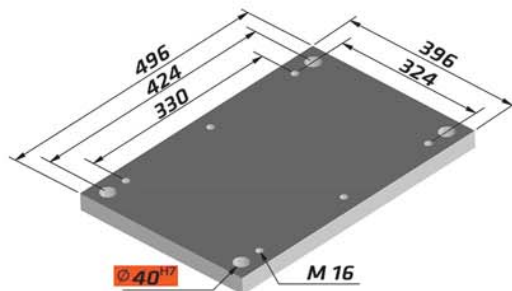
		K 60 / 396 X 446 / S / ST37 / 7225 / 2312 / 2344					
K60			17	■			

		K 70 / 396 X 446 / S / ST37 / 7225 / 2312 / 2344					
K70			22	■			



396 X 496

Standards Parts K



K 10 / 396 X 496 / S / ST37 / 7225 / 2312 / 2344	
K10	27
	37

K 11 / 396 X 496 / S / ST37 / 7225 / 2312 / 2344	
K11	27
	37

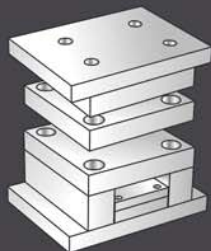
K 20 / 396 X 496 / S / ST37 / 7225 / 2312 / 2344	
K20	27
	37
	46
	56
	66
	76
	86

K 30 / 396 X 496 / S / ST37 / 7225 / 2312 / 2344	
K30	27
	37

K 40 / 396 X 496 / S / ST37 / 7225 / 2312 / 2344	
K40	66
	76
	96

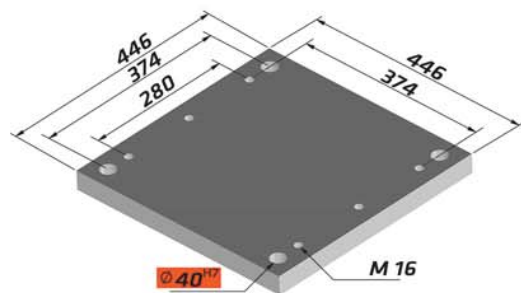
K 60 / 396 X 496 / S / ST37 / 7225 / 2312 / 2344	
K60	22

K 70 / 396 X 496 / S / ST37 / 7225 / 2312 / 2344	
K70	27

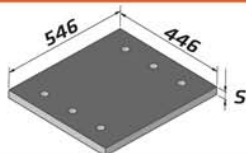


446 X 446

Standards Parts K



K10



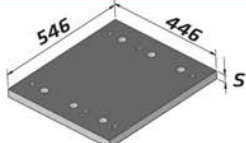
K 10 / 446 X 446 / S / ST37 / 7225 / 2312 / 2344

27



37

K11



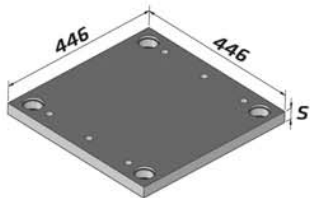
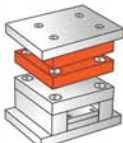
K 11 / 446 X 446 / S / ST37 / 7225 / 2312 / 2344

27



37

K20



K 20 / 446 X 446 / S / ST37 / 7225 / 2312 / 2344

27



37



46



56



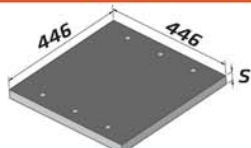
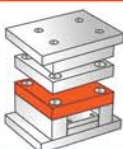
66



76

86

K30



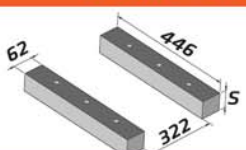
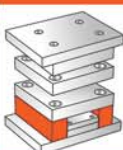
K 30 / 446 X 446 / S / ST37 / 7225 / 2312 / 2344

27



37

K40



K 40 / 446 X 446 / S / ST37 / 7225 / 2312 / 2344

66

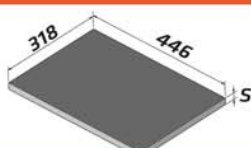
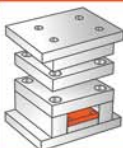


76



96

K60

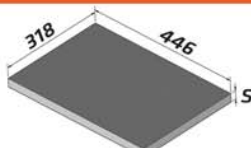
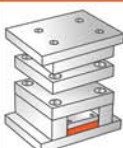


K 60 / 446 X 446 / S / ST37 / 7225 / 2312 / 2344

22



K70



K 70 / 446 X 446 / S / ST37 / 7225 / 2312 / 2344

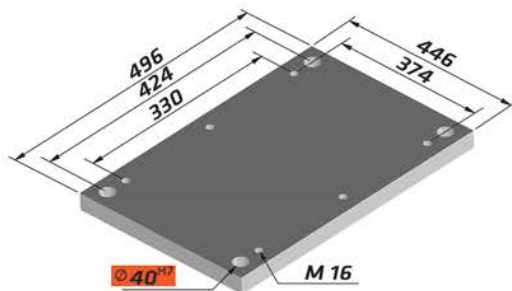
27



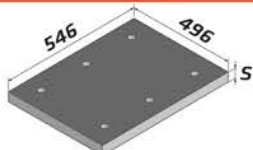


446 X 496

Standards Parts K



K10

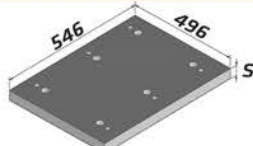


K 10 / 446 X 496 / S / ST37 / 7225 / 2312 / 2344

27 ■

37

K11

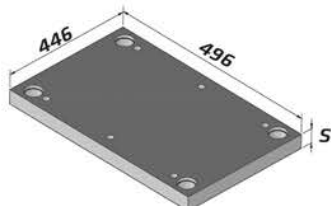
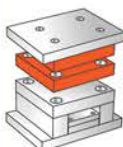


K 11 / 446 X 496 / S / ST37 / 7225 / 2312 / 2344

27 ■

37

K20



K 20 / 446 X 496 / S / ST37 / 7225 / 2312 / 2344

27

■

■

37

■

■

46

■

■

56

■

■

66

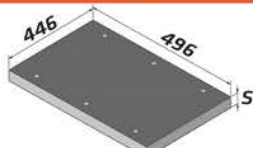
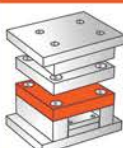
■

■

76

86

K30

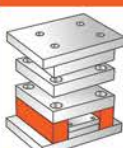


K 30 / 446 X 496 / S / ST37 / 7225 / 2312 / 2344

27 ■

37

K40



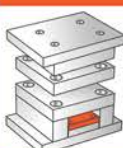
K 40 / 446 X 496 / S / ST37 / 7225 / 2312 / 2344

66 ■

76 ■

96

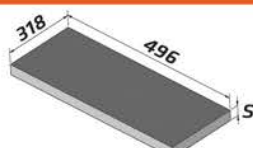
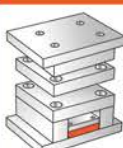
K60



K 60 / 446 X 496 / S / ST37 / 7225 / 2312 / 2344

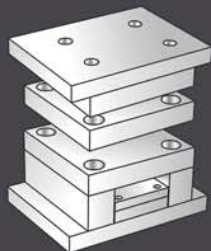
22 ■

K70



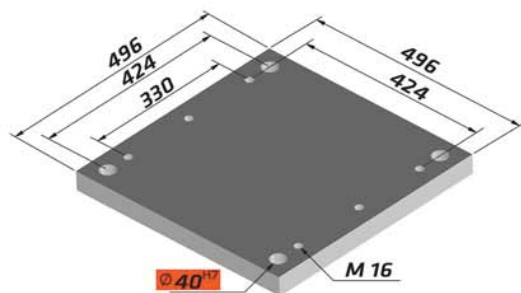
K 70 / 446 X 496 / S / ST37 / 7225 / 2312 / 2344

27 ■

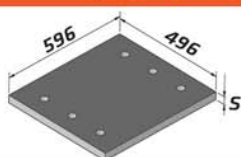


496 X 496

Standards Parts K



K10

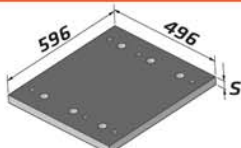


K 10 / 496 X 496 / S / ST37 / 7225 / 2312 / 2344

27

37

K11

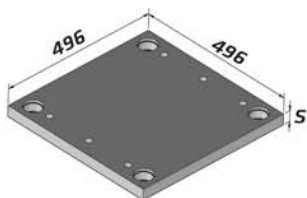
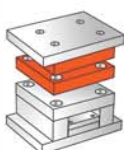


K 11 / 496 X 496 / S / ST37 / 7225 / 2312 / 2344

27

37

K20



K 20 / 496 X 496 / S / ST37 / 7225 / 2312 / 2344

27

37

46

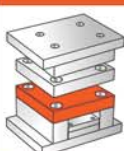
56

66

76

86

K30

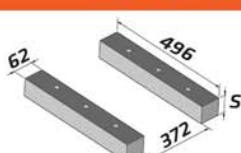
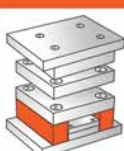


K 30 / 496 X 496 / S / ST37 / 7225 / 2312 / 2344

27

37

K40



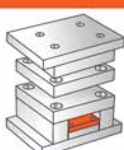
K 40 / 496 X 496 / S / ST37 / 7225 / 2312 / 2344

66

76

96

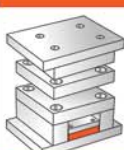
K60



K 60 / 496 X 496 / S / ST37 / 7225 / 2312 / 2344

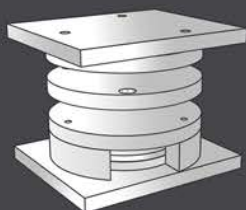
22

K70



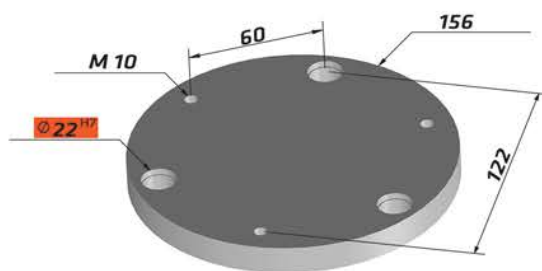
K 70 / 496 X 496 / S / ST37 / 7225 / 2312 / 2344

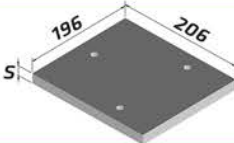
27

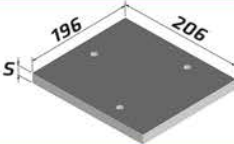


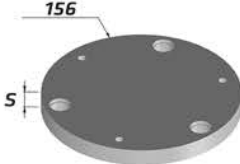
156 - 3

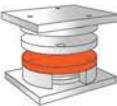
Standards Parts K



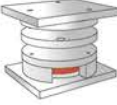
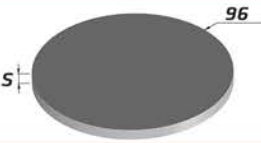
		K 10 / 156 - 3 / S / ST37 / 7225 / 2312 / 2344						
K10			22	■				
			27					

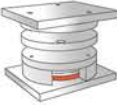
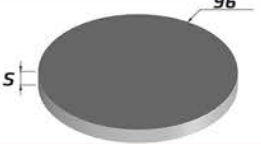
		K 11 / 156 - 3 / S / ST37 / 7225 / 2312 / 2344						
K11			22	■				
			27					

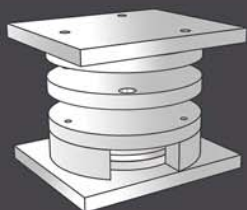
		K 20 / 156 - 3 / S / ST37 / 7225 / 2312 / 2344						
K20			27		■		■	
			37		■		■	
			46		■		■	
			56		■		■	
			66		■		■	
			76					

		K 30 / 156 - 3 / S / ST37 / 7225 / 2312 / 2344						
K30			27	■				

		K 40 / 156 - 3 / S / ST37 / 7225 / 2312 / 2344						
K40			46	■				
			56	■				

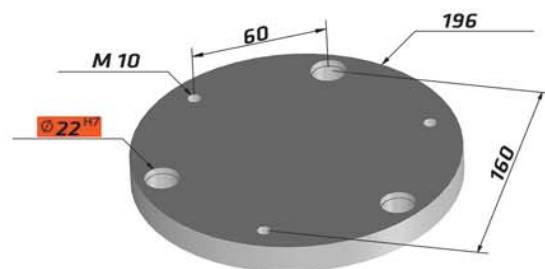
		K 60 / 156 - 3 / S / ST37 / 7225 / 2312 / 2344						
K60			12	■				

		K 70 / 156 - 3 / S / ST37 / 7225 / 2312 / 2344						
K70			17	■				

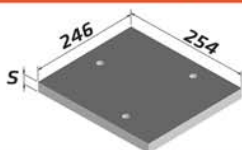


196 - 3

Standards Parts



K10



27



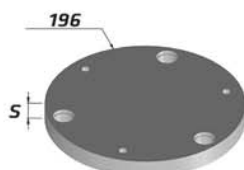
K11



27



K20



27



37



46



56



66



76

K30



27



K40



46



56



K60



12

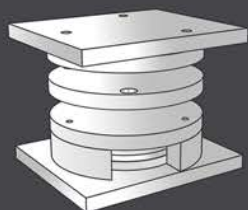


K70



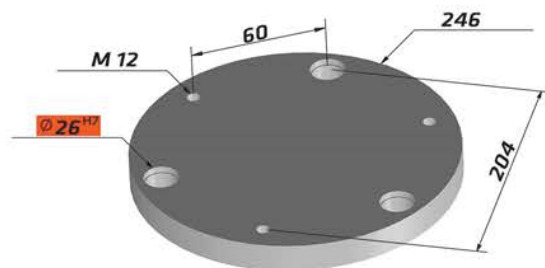
17



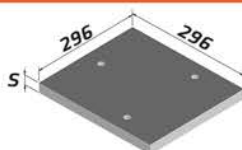


246 - 3

Standards Parts K



K10

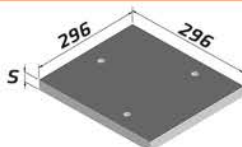


K 10 / 246 - 3 / S / ST37 / 7225 / 2312 / 2344

27



K11

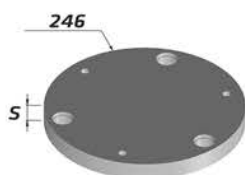
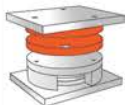


K 11 / 246 - 3 / S / ST37 / 7225 / 2312 / 2344

27



K20



K 20 / 246 - 3 / S / ST37 / 7225 / 2312 / 2344

27



37



46



56

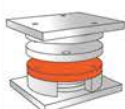


66



76

K30



K 30 / 246 - 3 / S / ST37 / 7225 / 2312 / 2344

27



K40



K 40 / 246 - 3 / S / ST37 / 7225 / 2312 / 2344

46



56



K60

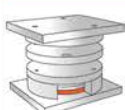


K 60 / 246 - 3 / S / ST37 / 7225 / 2312 / 2344

12



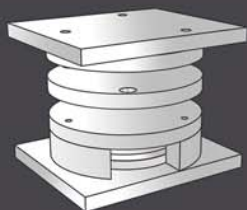
K70



K 70 / 246 - 3 / S / ST37 / 7225 / 2312 / 2344

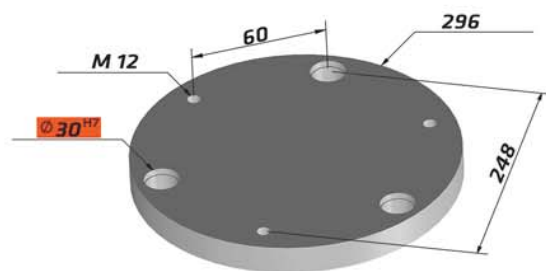
17



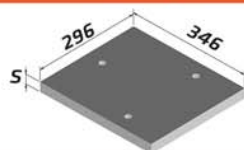


296 - 3

Standards Parts K



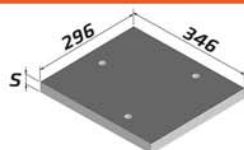
K10



27



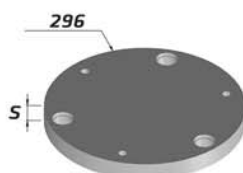
K11



27



K20



27



37



46



56



66



76

K30



27



K40



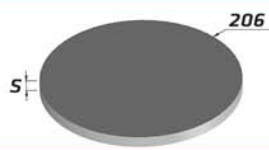
56



66



K60



12



K70



17





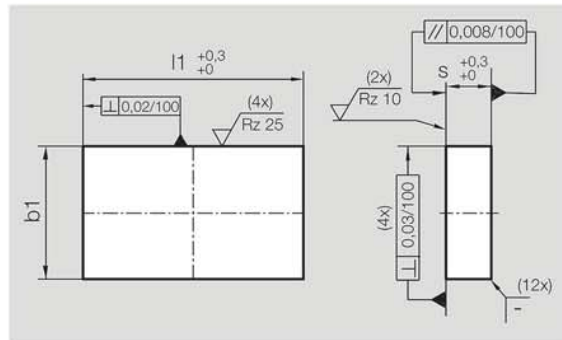
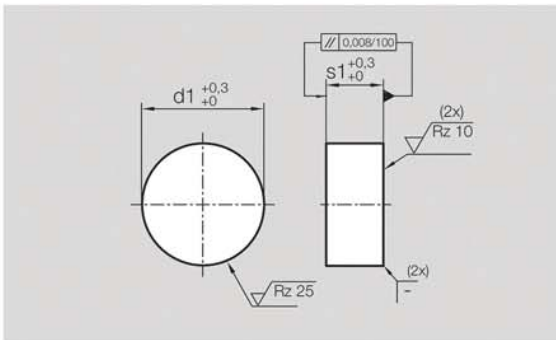
P

Standards Parts



P/...

Precision flat steel / صفحات سنگ خورده و سایز شده



P / 095 x 095 x 22 / 1.2312

Group / کد محصول

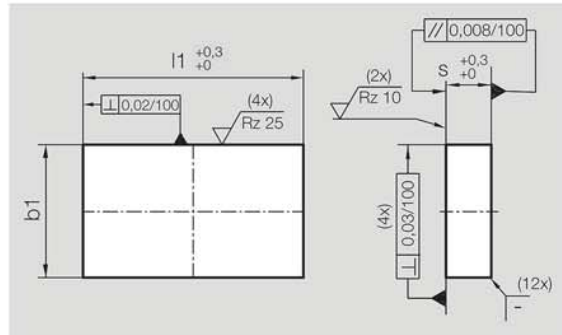
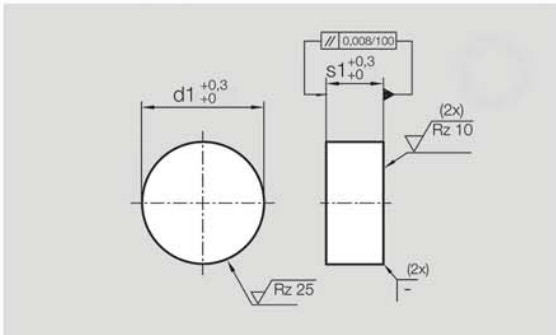
Ext. Dim / ابعاد خارجی

Thickness / ضخامت

Material / متریال

P1/...

Machined plates / صفحات ماشین کاری شده



P1 / 095 x 095 x 22 / 1.2312

Group / کد محصول

Ext. Dim / ابعاد خارجی

Thickness / ضخامت

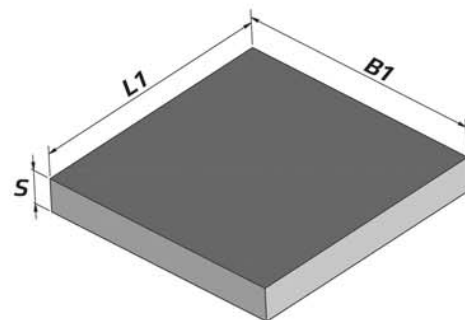
Material / متریال

در صورت نیاز عملیات سوراخ کاری بر روی صفحات قابل اجرا می باشد.



P / P1

Standards Parts



P / P1	B1	L1	S	ST37	7225	2312	2344	Toolox 33	Nr. / No.
	95	95	22	■					... / 095 x 095 x 22 / Mat
			27	■					27
			37	■					37
			46	■					46
			56	■					56

P / P1	B1	L1	S	ST37	7225	2312	2344	Toolox 33	Nr. / No.
	120	120	22	■					... / 120 x 120 x 22 / Mat
			27	■					27
			37	■					37
			46	■					46
			56	■					56

P / P1	B1	L1	S	ST37	7225	2312	2344	Toolox 33	Nr. / No.
	156	156	22	■					... / 156 x 156 x 22 / Mat
			27	■					27
			37	■					37
			46	■					46
			56	■					56

P / P1	B1	L1	S	ST37	7225	2312	2344	Toolox 33	Nr. / No.
	170	170	22	■					... / 170 x 170 x 22 / Mat
			27	■					27
			37	■					37
			46	■					46
			56	■					56

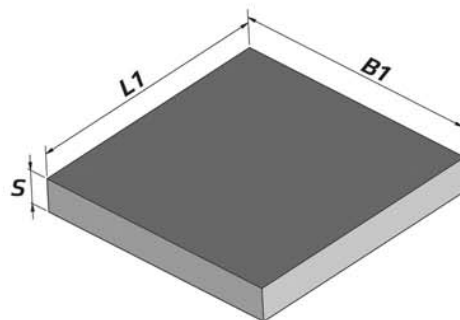
P / P1	B1	L1	S	ST37	7225	2312	2344	Toolox 33	Nr. / No.
	196	196	22	■					... / 196 x 196 x 22 / Mat
			27	■					27
			37	■					37
			46	■					46
			56	■					56

P / P1	B1	L1	S	ST37	7225	2312	2344	Toolox 33	Nr. / No.
	246	246	22	■					... / 246 x 246 x 22 / Mat
			27	■					27
			37	■					37
			46	■					46
			56	■					56



P / P1

Standards Parts

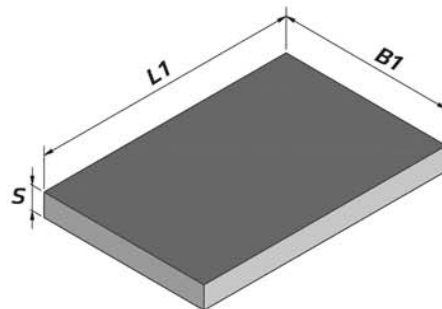


P / P1	B1	L1	S	ST37	7225	2312	2344	Toolox 33	Nr. / No.
	296	296	22	■					... / 296 x 296 x 22 / Mat
			27	■					27
			37	■					37
			46	■					46
			56	■					56
P / P1	B1	L1	S	ST37	7225	2312	2344	Toolox 33	Nr. / No.
	346	346	22	■					... / 346 x 346 x 22 / Mat
			27	■					27
			37	■					37
			46	■					46
			56	■					56
P / P1	B1	L1	S	ST37	7225	2312	2344	Toolox 33	Nr. / No.
	396	396	22	■					... / 396 x 396 x 22 / Mat
			27	■					27
			37	■					37
			46	■					46
			56	■					56
P / P1	B1	L1	S	ST37	7225	2312	2344	Toolox 33	Nr. / No.
	446	446	22	■					... / 446 x 446 x 22 / Mat
			27	■					27
			37	■					37
			46	■					46
			56	■					56
P / P1	B1	L1	S	ST37	7225	2312	2344	Toolox 33	Nr. / No.
	496	496	22	■					... / 496 x 496 x 22 / Mat
			27	■					27
			37	■					37
			46	■					46
			56	■					56



P / P1

Standards Parts



P / P1	B1	L1	S	ST37	7225	2312	2344	Toolox 33	Nr. / No.
	20	95	22	■					... / 20 x 95 x 22 / Mat
			27	■					27
			37	■					37
			46	■					46
			56	■					56

P / P1	B1	L1	S	ST37	7225	2312	2344	Toolox 33	Nr. / No.
	54	95	22	■					... / 54 x 95 x 22 / Mat
			27	■					27
			37	■					37
			46	■					46
			56	■					56

P / P1	B1	L1	S	ST37	7225	2312	2344	Toolox 33	Nr. / No.
	15	120	22	■					... / 15 x 120 x 22 / Mat
			27	■					27
			37	■					37
			46	■					46
			56	■					56

P / P1	B1	L1	S	ST37	7225	2312	2344	Toolox 33	Nr. / No.
	78	120	22	■					... / 78 x 120 x 22 / Mat
			27	■					27
			37	■					37
			46	■					46
			56	■					56

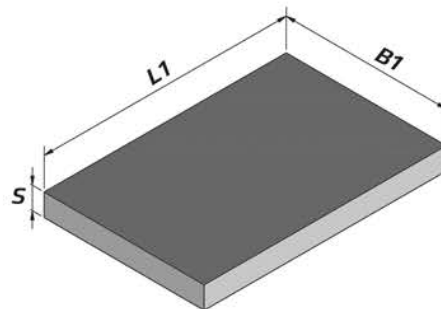
P / P1	B1	L1	S	ST37	7225	2312	2344	Toolox 33	Nr. / No.
	20	130	22	■					... / 20 x 130 x 22 / Mat
			27	■					27
			37	■					37
			46	■					46
			56	■					56

P / P1	B1	L1	S	ST37	7225	2312	2344	Toolox 33	Nr. / No.
	58	130	22	■					... / 58 x 130 x 22 / Mat
			27	■					27
			37	■					37
			46	■					46
			56	■					56



P / P1

Standards Parts



P / P1	B1	L1	S	ST37	7225	2312	2344	Toolox 33	Nr. / No.
	100	130	22	■					... / 100 x 130 x 22 / Mat
			27	■					27
			37	■					37
			46	■					46
			56	■					56

P / P1	B1	L1	S	ST37	7225	2312	2344	Toolox 33	Nr. / No.
	32	156	22	■					... / 32 x 156 x 22 / Mat
			27	■					27
			37	■					37
			46	■					46
			56	■					56

P / P1	B1	L1	S	ST37	7225	2312	2344	Toolox 33	Nr. / No.
	90	156	22	■					... / 90 x 156 x 22 / Mat
			27	■					27
			37	■					37
			46	■					46
			56	■					56

P / P1	B1	L1	S	ST37	7225	2312	2344	Toolox 33	Nr. / No.
	206	156	22	■					... / 206 x 156 x 22 / Mat
			27	■					27
			37	■					37
			46	■					46
			56	■					56

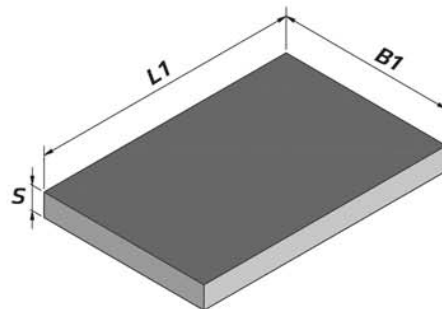
P / P1	B1	L1	S	ST37	7225	2312	2344	Toolox 33	Nr. / No.
	32	170	22	■					... / 32 x 170 x 22 / Mat
			27	■					27
			37	■					37
			46	■					46
			56	■					56

P / P1	B1	L1	S	ST37	7225	2312	2344	Toolox 33	Nr. / No.
	78	170	22	■					... / 78 x 170 x 22 / Mat
			27	■					27
			37	■					37
			46	■					46
			56	■					56



P / P1

Standards Parts



P / P1	B1	L1	S	ST37	7225	2312	2344	Toolox 33	Nr. / No.
	104	170	22	■					... / 104 x 170 x 22 / Mat
			27	■					27
			37	■					37
			46	■					46
			56	■					56

P / P1	B1	L1	S	ST37	7225	2312	2344	Toolox 33	Nr. / No.
	120	170	22	■					... / 120 x 170 x 22 / Mat
			27	■					27
			37	■					37
			46	■					46
			56	■					56

P / P1	B1	L1	S	ST37	7225	2312	2344	Toolox 33	Nr. / No.
	200	170	22	■					... / 200 x 170 x 22 / Mat
			27	■					27
			37	■					37
			46	■					46
			56	■					56

P / P1	B1	L1	S	ST37	7225	2312	2344	Toolox 33	Nr. / No.
	32	196	22	■					... / 32 x 196 x 22 / Mat
			27	■					27
			37	■					37
			46	■					46
			56	■					56

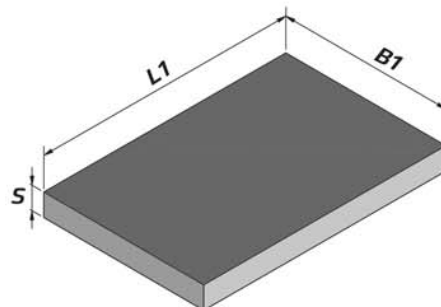
P / P1	B1	L1	S	ST37	7225	2312	2344	Toolox 33	Nr. / No.
	38	196	22	■					... / 38 x 196 x 22 / Mat
			27	■					27
			37	■					37
			46	■					46
			56	■					56

P / P1	B1	L1	S	ST37	7225	2312	2344	Toolox 33	Nr. / No.
	90	196	22	■					... / 90 x 196 x 22 / Mat
			27	■					27
			37	■					37
			46	■					46
			56	■					56



P / P1

Standards Parts



P / P1	B1	L1	S	ST37	7225	2312	2344	Toolox 33	Nr. / No.
	118	196	22	■					... / 118 x 196 x 22 / Mat
			27	■					27
			37	■					37
			46	■					46
			56	■					56

P / P1	B1	L1	S	ST37	7225	2312	2344	Toolox 33	Nr. / No.
	156	196	22	■					... / 156 x 196 x 22 / Mat
			27	■					27
			37	■					37
			46	■					46
			56	■					56

P / P1	B1	L1	S	ST37	7225	2312	2344	Toolox 33	Nr. / No.
	196	206	22	■					... / 196 x 206 x 22 / Mat
			27	■					27
			37	■					37
			46	■					46
			56	■					56

P / P1	B1	L1	S	ST37	7225	2312	2344	Toolox 33	Nr. / No.
	170	220	22	■					... / 170 x 220 x 22 / Mat
			27	■					27
			37	■					37
			46	■					46
			56	■					56

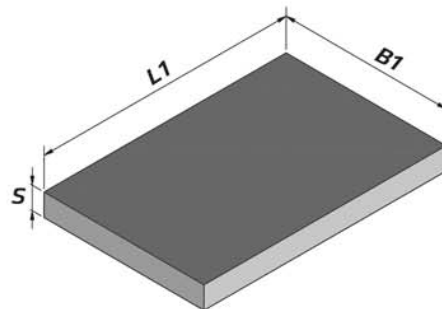
P / P1	B1	L1	S	ST37	7225	2312	2344	Toolox 33	Nr. / No.
	32	246	22	■					... / 32 x 246 x 22 / Mat
			27	■					27
			37	■					37
			46	■					46
			56	■					56

P / P1	B1	L1	S	ST37	7225	2312	2344	Toolox 33	Nr. / No.
	38	246	22	■					... / 38 x 246 x 22 / Mat
			27	■					27
			37	■					37
			46	■					46
			56	■					56



P / P1

Standards Parts



P / P1	B1	L1	S	ST37	7225	2312	2344	Toolox 33	Nr. / No.
	43	246	22	■					... / 43 x 246 x 22 / Mat
			27	■					27
			37	■					37
			46	■					46
			56	■					56

P / P1	B1	L1	S	ST37	7225	2312	2344	Toolox 33	Nr. / No.
	90	246	22	■					... / 90 x 246 x 22 / Mat
			27	■					27
			37	■					37
			46	■					46
			56	■					56

P / P1	B1	L1	S	ST37	7225	2312	2344	Toolox 33	Nr. / No.
	112	246	22	■					... / 112 x 246 x 22 / Mat
			27	■					27
			37	■					37
			46	■					46
			56	■					56

P / P1	B1	L1	S	ST37	7225	2312	2344	Toolox 33	Nr. / No.
	140	246	22	■					... / 140 x 246 x 22 / Mat
			27	■					27
			37	■					37
			46	■					46
			56	■					56

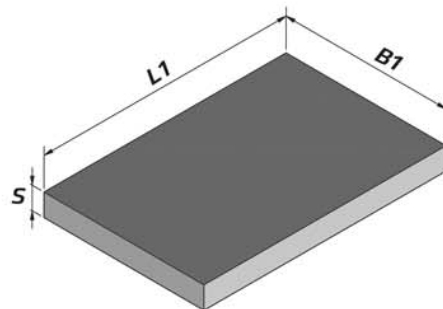
P / P1	B1	L1	S	ST37	7225	2312	2344	Toolox 33	Nr. / No.
	156	246	22	■					... / 156 x 246 x 22 / Mat
			27	■					27
			37	■					37
			46	■					46
			56	■					56

P / P1	B1	L1	S	ST37	7225	2312	2344	Toolox 33	Nr. / No.
	158	246	22	■					... / 158 x 246 x 22 / Mat
			27	■					27
			37	■					37
			46	■					46
			56	■					56



P / P1

Standards Parts

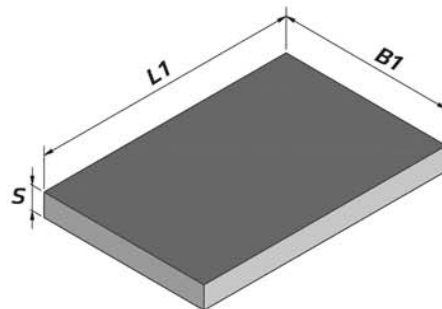


P / P1	B1	L1	S	ST37	7225	2312	2344	Toolox 33	Nr. / No.
	190	246	22	■					... / 190 x 246 x 22 / Mat
			27	■					27
			37	■					37
			46	■					46
			56	■					56
P / P1	B1	L1	S	ST37	7225	2312	2344	Toolox 33	Nr. / No.
	196	246	22	■					... / 196 x 246 x 22 / Mat
			27	■					27
			37	■					37
			46	■					46
			56	■					56
P / P1	B1	L1	S	ST37	7225	2312	2344	Toolox 33	Nr. / No.
	218	246	22	■					... / 218 x 246 x 22 / Mat
			27	■					27
			37	■					37
			46	■					46
			56	■					56
P / P1	B1	L1	S	ST37	7225	2312	2344	Toolox 33	Nr. / No.
	246	254	22	■					... / 246 x 254 x 22 / Mat
			27	■					27
			37	■					37
			46	■					46
			56	■					56
P / P1	B1	L1	S	ST37	7225	2312	2344	Toolox 33	Nr. / No.
	246	276	22	■					... / 246 x 276 x 22 / Mat
			27	■					27
			37	■					37
			46	■					46
			56	■					56
P / P1	B1	L1	S	ST37	7225	2312	2344	Toolox 33	Nr. / No.
	32	296	22	■					... / 32 x 296 x 22 / Mat
			27	■					27
			37	■					37
			46	■					46
			56	■					56



P / P1

Standards Parts



P / P1	B1	L1	S	ST37	7225	2312	2344	Toolox 33	Nr. / No.
	43	296	22	■					... / 43 x 296 x 22 / Mat
			27	■					27
			37	■					37
			46	■					46
			56	■					56

P / P1	B1	L1	S	ST37	7225	2312	2344	Toolox 33	Nr. / No.
	90	296	22	■					... / 90 x 296 x 22 / Mat
			27	■					27
			37	■					37
			46	■					46
			56	■					56

P / P1	B1	L1	S	ST37	7225	2312	2344	Toolox 33	Nr. / No.
	108	296	22	■					... / 108 x 296 x 22 / Mat
			27	■					27
			37	■					37
			46	■					46
			56	■					56

P / P1	B1	L1	S	ST37	7225	2312	2344	Toolox 33	Nr. / No.
	130	296	22	■					... / 130 x 296 x 22 / Mat
			27	■					27
			37	■					37
			46	■					46
			56	■					56

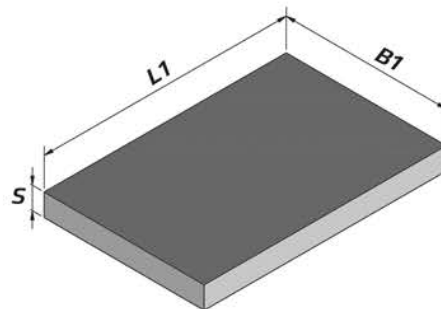
P / P1	B1	L1	S	ST37	7225	2312	2344	Toolox 33	Nr. / No.
	156	296	22	■					... / 156 x 296 x 22 / Mat
			27	■					27
			37	■					37
			46	■					46
			56	■					56

P / P1	B1	L1	S	ST37	7225	2312	2344	Toolox 33	Nr. / No.
	158	296	22	■					... / 158 x 296 x 22 / Mat
			27	■					27
			37	■					37
			46	■					46
			56	■					56



P / P1

Standards Parts



P / P1	B1	L1	S	ST37	7225	2312	2344	Toolox 33	Nr. / No.
	196	296	22	■					... / 196 x 296 x 22 / Mat
			27	■					27
			37	■					37
			46	■					46
			56	■					56

P / P1	B1	L1	S	ST37	7225	2312	2344	Toolox 33	Nr. / No.
	208	296	22	■					... / 208 x 296 x 22 / Mat
			27	■					27
			37	■					37
			46	■					46
			56	■					56

P / P1	B1	L1	S	ST37	7225	2312	2344	Toolox 33	Nr. / No.
	218	296	22	■					... / 218 x 296 x 22 / Mat
			27	■					27
			37	■					37
			46	■					46
			56	■					56

P / P1	B1	L1	S	ST37	7225	2312	2344	Toolox 33	Nr. / No.
	246	296	22	■					... / 246 x 296 x 22 / Mat
			27	■					27
			37	■					37
			46	■					46
			56	■					56

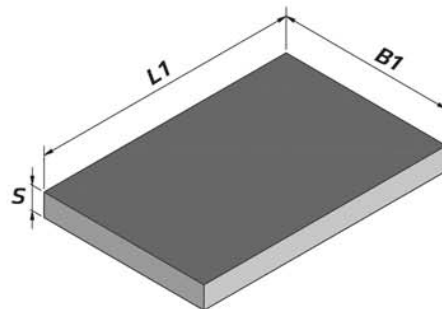
P / P1	B1	L1	S	ST37	7225	2312	2344	Toolox 33	Nr. / No.
	276	296	22	■					... / 276 x 296 x 22 / Mat
			27	■					27
			37	■					37
			46	■					46
			56	■					56

P / P1	B1	L1	S	ST37	7225	2312	2344	Toolox 33	Nr. / No.
	43	346	22	■					... / 43 x 346 x 22 / Mat
			27	■					27
			37	■					37
			46	■					46
			56	■					56



P / P1

Standards Parts



P / P1	B1	L1	S	ST37	7225	2312	2344	Toolox 33	Nr. / No.
	108	346	22	■					... / 108 x 346 x 22 / Mat
			27	■					27
			37	■					37
			46	■					46
			56	■					56

P / P1	B1	L1	S	ST37	7225	2312	2344	Toolox 33	Nr. / No.
	158	346	22	■					... / 158 x 346 x 22 / Mat
			27	■					27
			37	■					37
			46	■					46
			56	■					56

P / P1	B1	L1	S	ST37	7225	2312	2344	Toolox 33	Nr. / No.
	196	346	22	■					... / 196 x 346 x 22 / Mat
			27	■					27
			37	■					37
			46	■					46
			56	■					56

P / P1	B1	L1	S	ST37	7225	2312	2344	Toolox 33	Nr. / No.
	208	346	22	■					... / 208 x 346 x 22 / Mat
			27	■					27
			37	■					37
			46	■					46
			56	■					56

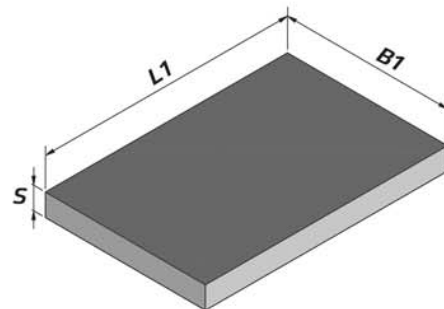
P / P1	B1	L1	S	ST37	7225	2312	2344	Toolox 33	Nr. / No.
	246	346	22	■					... / 246 x 346 x 22 / Mat
			27	■					27
			37	■					37
			46	■					46
			56	■					56

P / P1	B1	L1	S	ST37	7225	2312	2344	Toolox 33	Nr. / No.
	258	346	22	■					... / 258 x 346 x 22 / Mat
			27	■					27
			37	■					37
			46	■					46
			56	■					56



P / P1

Standards Parts



P / P1	B1	L1	S	ST37	7225	2312	2344	Toolox 33	Nr. / No.
	296	346	22	■					... / 296 x 346 x 22 / Mat
			27	■					27
			37	■					37
			46	■					46
			56	■					56

P / P1	B1	L1	S	ST37	7225	2312	2344	Toolox 33	Nr. / No.
	43	396	22	■					... / 43 x 396 x 22 / Mat
			27	■					27
			37	■					37
			46	■					46
			56	■					56

P / P1	B1	L1	S	ST37	7225	2312	2344	Toolox 33	Nr. / No.
	47	396	22	■					... / 47 x 396 x 22 / Mat
			27	■					27
			37	■					37
			46	■					46
			56	■					56

P / P1	B1	L1	S	ST37	7225	2312	2344	Toolox 33	Nr. / No.
	62	396	22	■					... / 62 x 396 x 22 / Mat
			27	■					27
			37	■					37
			46	■					46
			56	■					56

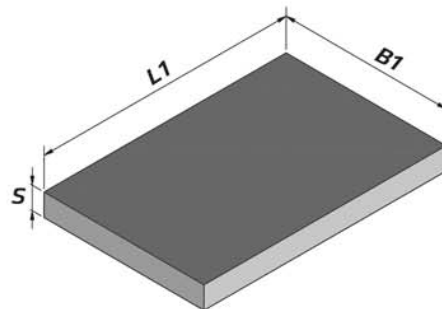
P / P1	B1	L1	S	ST37	7225	2312	2344	Toolox 33	Nr. / No.
	108	396	22	■					... / 108 x 396 x 22 / Mat
			27	■					27
			37	■					37
			46	■					46
			56	■					56

P / P1	B1	L1	S	ST37	7225	2312	2344	Toolox 33	Nr. / No.
	150	396	22	■					... / 150 x 396 x 22 / Mat
			27	■					27
			37	■					37
			46	■					46
			56	■					56



P / P1

Standards Parts

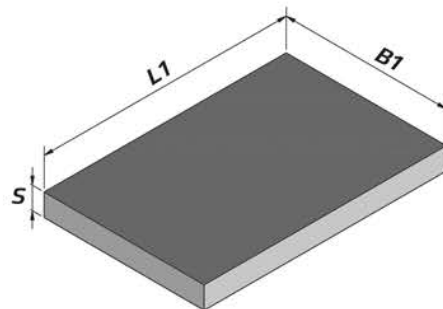


P / P1	B1	L1	S	ST37	7225	2312	2344	Toolox 33	Nr. / No.
	196	396	22	■					... / 196 x 396 x 22 / Mat
			27	■					27
			37	■					37
			46	■					46
			56	■					56
P / P1	B1	L1	S	ST37	7225	2312	2344	Toolox 33	Nr. / No.
	200	396	22	■					... / 200 x 396 x 22 / Mat
			27	■					27
			37	■					37
			46	■					46
			56	■					56
P / P1	B1	L1	S	ST37	7225	2312	2344	Toolox 33	Nr. / No.
	218	396	22	■					... / 218 x 396 x 22 / Mat
			27	■					27
			37	■					37
			46	■					46
			56	■					56
P / P1	B1	L1	S	ST37	7225	2312	2344	Toolox 33	Nr. / No.
	246	396	22	■					... / 246 x 396 x 22 / Mat
			27	■					27
			37	■					37
			46	■					46
			56	■					56
P / P1	B1	L1	S	ST37	7225	2312	2344	Toolox 33	Nr. / No.
	258	396	22	■					... / 258 x 396 x 22 / Mat
			27	■					27
			37	■					37
			46	■					46
			56	■					56
P / P1	B1	L1	S	ST37	7225	2312	2344	Toolox 33	Nr. / No.
	268	396	22	■					... / 268 x 396 x 22 / Mat
			27	■					27
			37	■					37
			46	■					46
			56	■					56



P / P1

Standards Parts



P / P1	B1	L1	S	ST37	7225	2312	2344	Toolox 33	Nr. / No.
	296	396	22	■					... / 296 x 396 x 22 / Mat
			27	■					27
			37	■					37
			46	■					46
			56	■					56

P / P1	B1	L1	S	ST37	7225	2312	2344	Toolox 33	Nr. / No.
	43	446	22	■					... / 43 x 446 x 22 / Mat
			27	■					27
			37	■					37
			46	■					46
			56	■					56

P / P1	B1	L1	S	ST37	7225	2312	2344	Toolox 33	Nr. / No.
	62	446	22	■					... / 62 x 446 x 22 / Mat
			27	■					27
			37	■					37
			46	■					46
			56	■					56

P / P1	B1	L1	S	ST37	7225	2312	2344	Toolox 33	Nr. / No.
	108	446	22	■					... / 108 x 446 x 22 / Mat
			27	■					27
			37	■					37
			46	■					46
			56	■					56

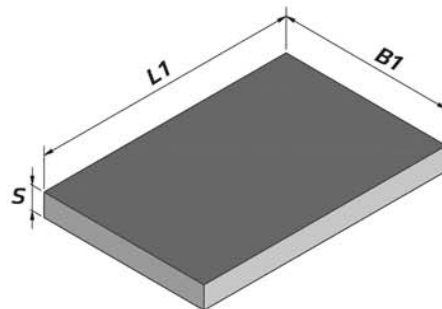
P / P1	B1	L1	S	ST37	7225	2312	2344	Toolox 33	Nr. / No.
	158	446	22	■					... / 158 x 446 x 22 / Mat
			27	■					27
			37	■					37
			46	■					46
			56	■					56

P / P1	B1	L1	S	ST37	7225	2312	2344	Toolox 33	Nr. / No.
	196	446	22	■					... / 196 x 446 x 22 / Mat
			27	■					27
			37	■					37
			46	■					46
			56	■					56



P / P1

Standards Parts



P / P1	B1	L1	S	ST37	7225	2312	2344	Toolox 33	Nr. / No.
	200	446	22	■					... / 200 x 446 x 22 / Mat
			27	■					27
			37	■					37
			46	■					46
			56	■					56

P / P1	B1	L1	S	ST37	7225	2312	2344	Toolox 33	Nr. / No.
	208	446	22	■					... / 208 x 446 x 22 / Mat
			27	■					27
			37	■					37
			46	■					46
			56	■					56

P / P1	B1	L1	S	ST37	7225	2312	2344	Toolox 33	Nr. / No.
	218	446	22	■					... / 218 x 446 x 22 / Mat
			27	■					27
			37	■					37
			46	■					46
			56	■					56

P / P1	B1	L1	S	ST37	7225	2312	2344	Toolox 33	Nr. / No.
	246	446	22	■					... / 246 x 446 x 22 / Mat
			27	■					27
			37	■					37
			46	■					46
			56	■					56

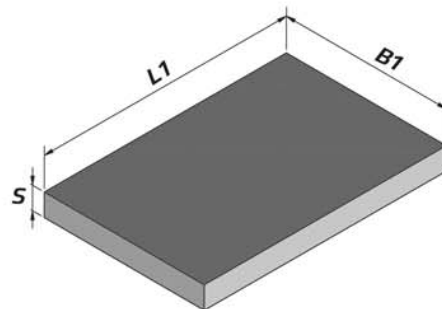
P / P1	B1	L1	S	ST37	7225	2312	2344	Toolox 33	Nr. / No.
	268	446	22	■					... / 268 x 446 x 22 / Mat
			27	■					27
			37	■					37
			46	■					46
			56	■					56

P / P1	B1	L1	S	ST37	7225	2312	2344	Toolox 33	Nr. / No.
	296	446	22	■					... / 296 x 446 x 22 / Mat
			27	■					27
			37	■					37
			46	■					46
			56	■					56



P / P1

Standards Parts



P / P1	B1	L1	S	ST37	7225	2312	2344	Toolox 33	Nr. / No.
	318	446	22	■					... / 318 x 446 x 22 / Mat
			27	■					27
			37	■					37
			46	■					46
			56	■					56

P / P1	B1	L1	S	ST37	7225	2312	2344	Toolox 33	Nr. / No.
	396	446	22	■					... / 396 x 446 x 22 / Mat
			27	■					27
			37	■					37
			46	■					46
			56	■					56

P / P1	B1	L1	S	ST37	7225	2312	2344	Toolox 33	Nr. / No.
	43	496	22	■					... / 43 x 496 x 22 / Mat
			27	■					27
			37	■					37
			46	■					46
			56	■					56

P / P1	B1	L1	S	ST37	7225	2312	2344	Toolox 33	Nr. / No.
	62	496	22	■					... / 62 x 496 x 22 / Mat
			27	■					27
			37	■					37
			46	■					46
			56	■					56

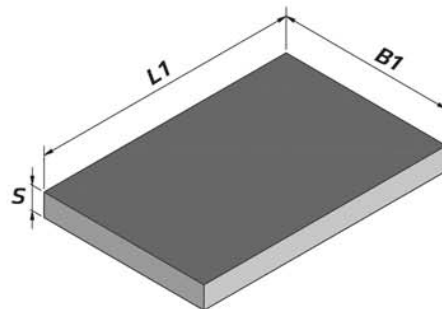
P / P1	B1	L1	S	ST37	7225	2312	2344	Toolox 33	Nr. / No.
	108	496	22	■					... / 108 x 496 x 22 / Mat
			27	■					27
			37	■					37
			46	■					46
			56	■					56

P / P1	B1	L1	S	ST37	7225	2312	2344	Toolox 33	Nr. / No.
	158	496	22	■					... / 158 x 496 x 22 / Mat
			27	■					27
			37	■					37
			46	■					46
			56	■					56



P / P1

Standards Parts



P / P1	B1	L1	S	ST37	7225	2312	2344	Toolox 33	Nr. / No.
	196	496	22	■					... / 196 x 496 x 22 / Mat
			27	■					27
			37	■					37
			46	■					46
			56	■					56

P / P1	B1	L1	S	ST37	7225	2312	2344	Toolox 33	Nr. / No.
	208	496	22	■					... / 208 x 496 x 22 / Mat
			27	■					27
			37	■					37
			46	■					46
			56	■					56

P / P1	B1	L1	S	ST37	7225	2312	2344	Toolox 33	Nr. / No.
	218	496	22	■					... / 218 x 496 x 22 / Mat
			27	■					27
			37	■					37
			46	■					46
			56	■					56

P / P1	B1	L1	S	ST37	7225	2312	2344	Toolox 33	Nr. / No.
	246	496	22	■					... / 246 x 496 x 22 / Mat
			27	■					27
			37	■					37
			46	■					46
			56	■					56

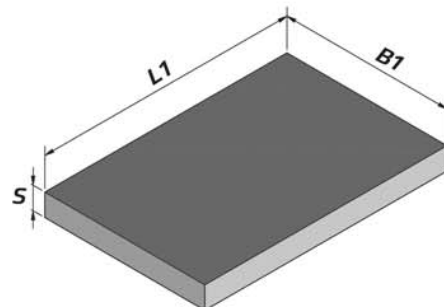
P / P1	B1	L1	S	ST37	7225	2312	2344	Toolox 33	Nr. / No.
	268	496	22	■					... / 268 x 496 x 22 / Mat
			27	■					27
			37	■					37
			46	■					46
			56	■					56

P / P1	B1	L1	S	ST37	7225	2312	2344	Toolox 33	Nr. / No.
	296	496	22	■					... / 296 x 496 x 22 / Mat
			27	■					27
			37	■					37
			46	■					46
			56	■					56



P / P1

Standards Parts



P / P1	B1	L1	S	ST37	7225	2312	2344	Toolox 33	Nr. / No.
	318	496	22	■					... / 318 x 496 x 22 / Mat
			27	■					27
			37	■					37
			46	■					46
			56	■					56

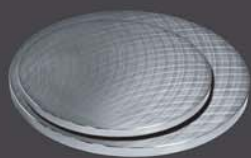
P / P1	B1	L1	S	ST37	7225	2312	2344	Toolox 33	Nr. / No.
	346	496	22	■					... / 346 x 496 x 22 / Mat
			27	■					27
			37	■					37
			46	■					46
			56	■					56

P / P1	B1	L1	S	ST37	7225	2312	2344	Toolox 33	Nr. / No.
	368	496	22	■					... / 368 x 496 x 22 / Mat
			27	■					27
			37	■					37
			46	■					46
			56	■					56

P / P1	B1	L1	S	ST37	7225	2312	2344	Toolox 33	Nr. / No.
	396	496	22	■					... / 396 x 496 x 22 / Mat
			27	■					27
			37	■					37
			46	■					46
			56	■					56

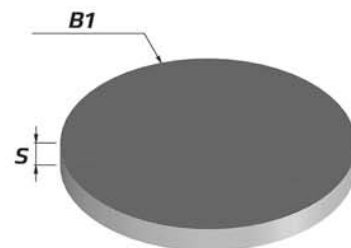
P / P1	B1	L1	S	ST37	7225	2312	2344	Toolox 33	Nr. / No.
	446	496	22	■					... / 446 x 496 x 22 / Mat
			27	■					27
			37	■					37
			46	■					46
			56	■					56

P / P1	B1	L1	S	ST37	7225	2312	2344	Toolox 33	Nr. / No.
	496	596	22	■					... / 496 x 596 x 22 / Mat
			27	■					27
			37	■					37
			46	■					46
			56	■					56



P / P1

Standards Parts

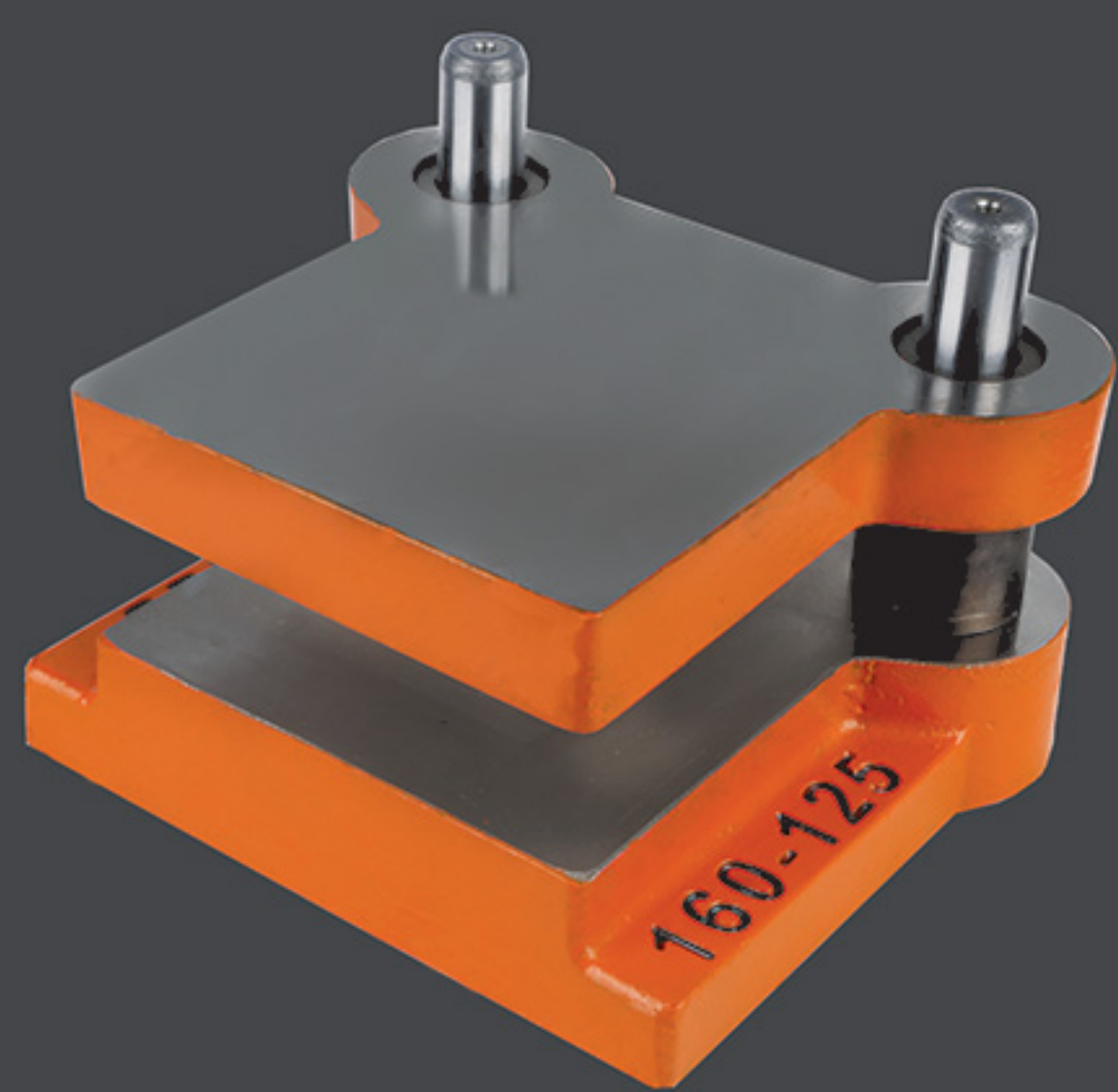


P / P1	B1	S	ST37	7225	2312	2344	Toolox 33	Nr. / No.
	96	22	■					... / 96 x 22 / Mat
		27	■					27
		37	■					37
		46	■					46
		56	■					56
P / P1	B1	S	ST37	7225	2312	2344	Toolox 33	Nr. / No.
	130	22	■					... / 130 x 22 / Mat
		27	■					27
		37	■					37
		46	■					46
		56	■					56
P / P1	B1	S	ST37	7225	2312	2344	Toolox 33	Nr. / No.
	156	22	■					... / 156 x 22 / Mat
		27	■					27
		37	■					37
		46	■					46
		56	■					56
P / P1	B1	S	ST37	7225	2312	2344	Toolox 33	Nr. / No.
	196	22	■					... / 196 x 22 / Mat
		27	■					27
		37	■					37
		46	■					46
		56	■					56
P / P1	B1	S	ST37	7225	2312	2344	Toolox 33	Nr. / No.
	246	22	■					... / 246 x 22 / Mat
		27	■					27
		37	■					37
		46	■					46
		56	■					56
P / P1	B1	S	ST37	7225	2312	2344	Toolox 33	Nr. / No.
	296	22	■					... / 296 x 22 / Mat
		27	■					27
		37	■					37
		46	■					46
		56	■					56



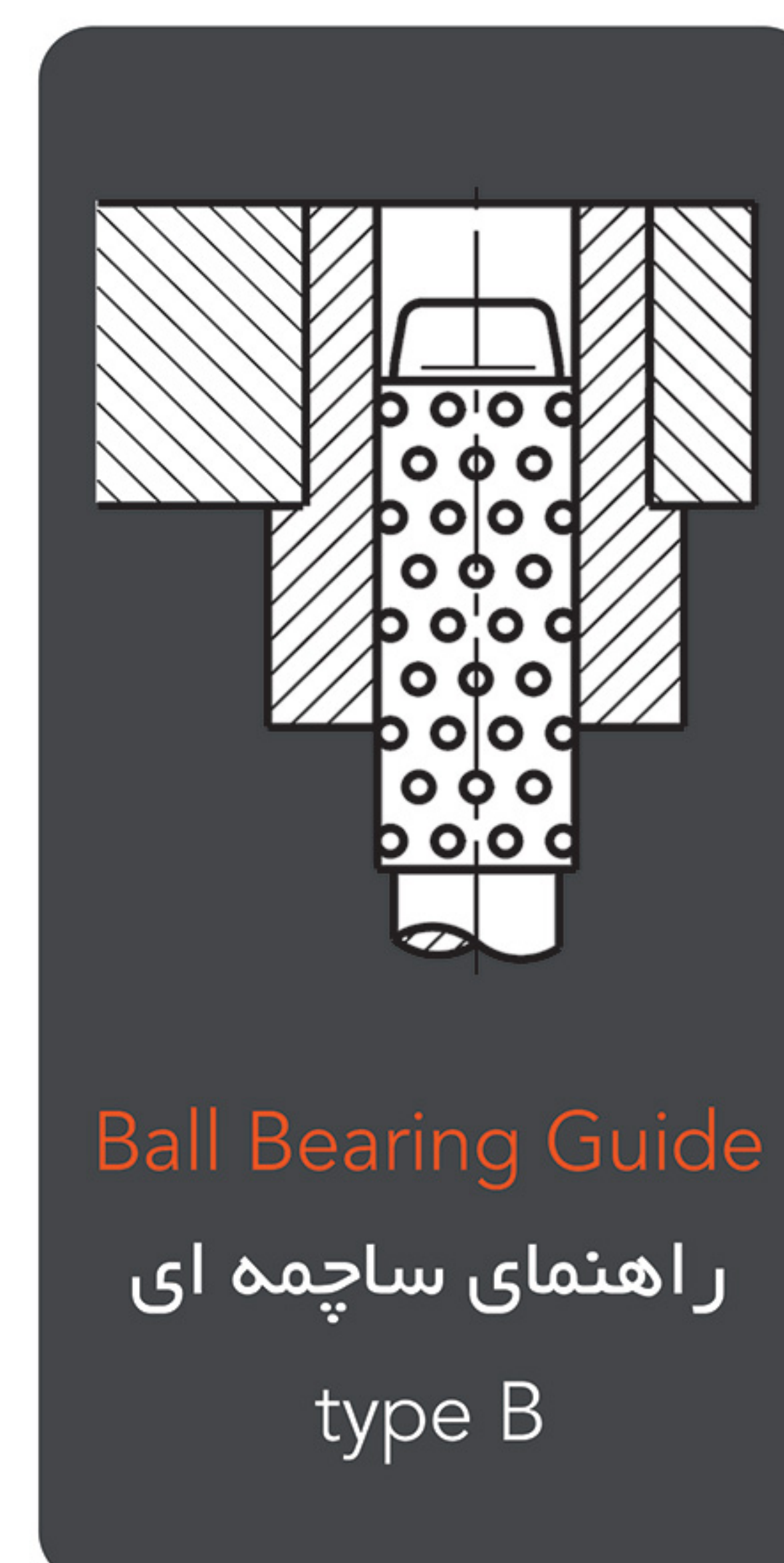
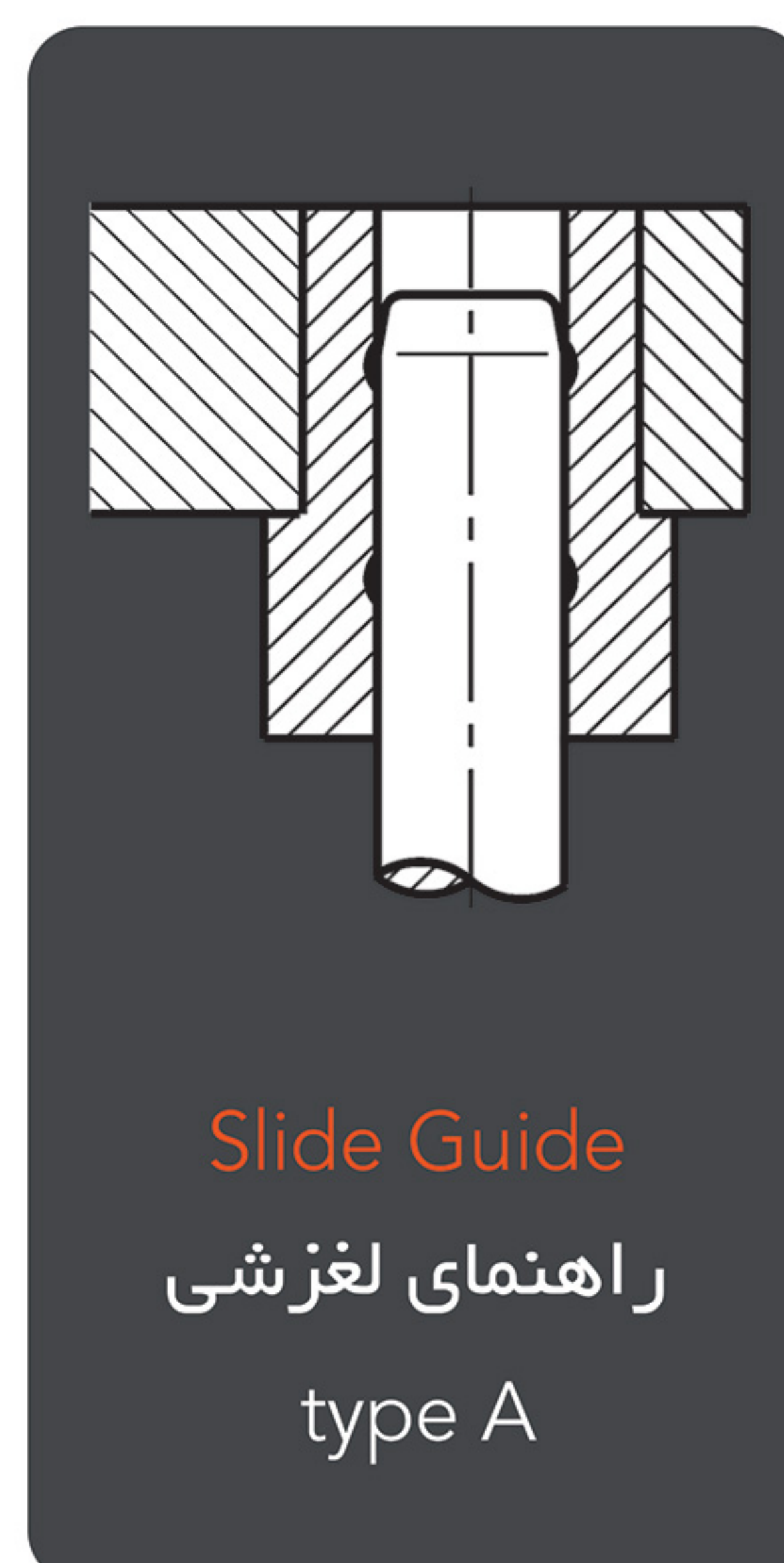
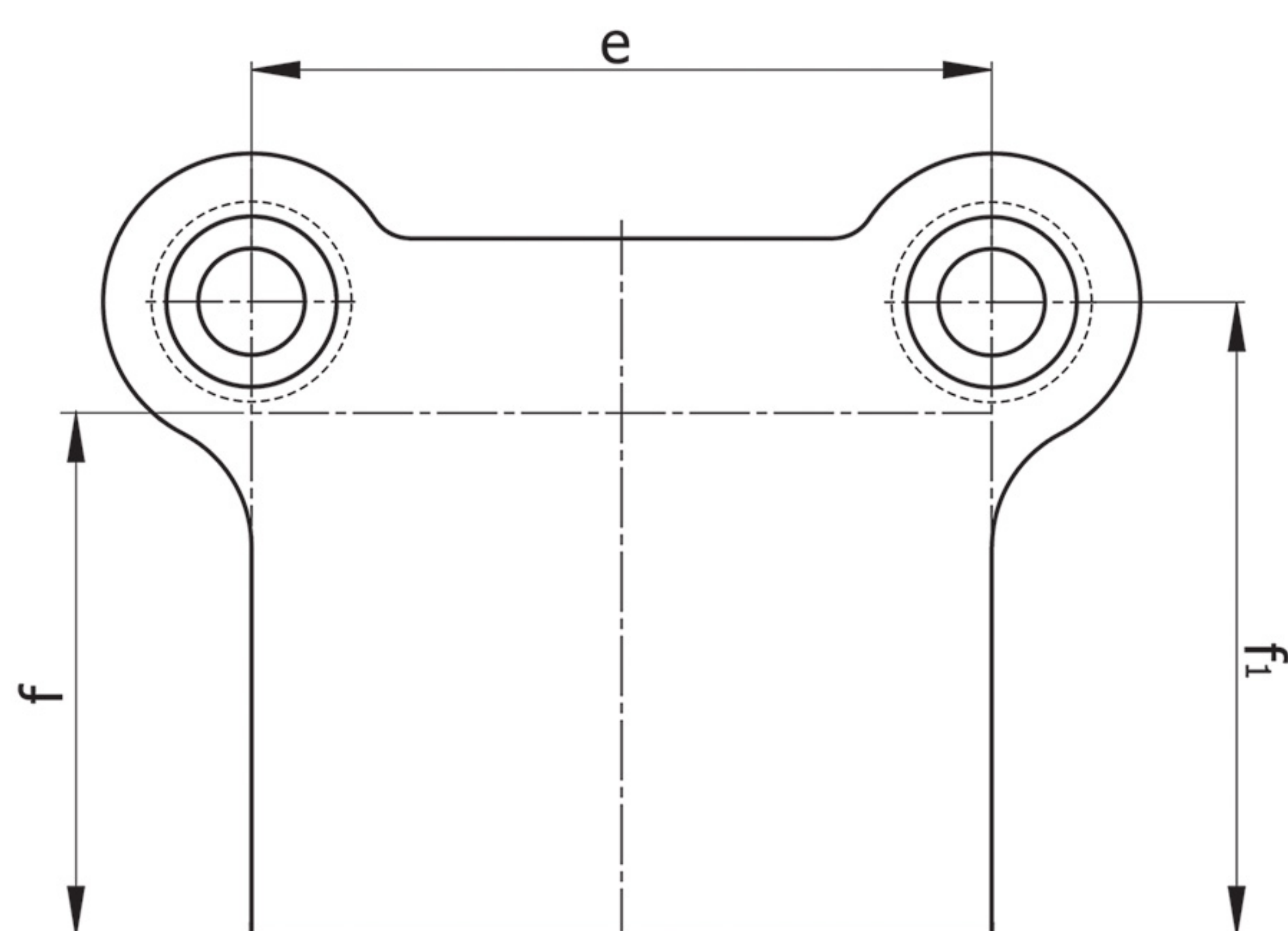
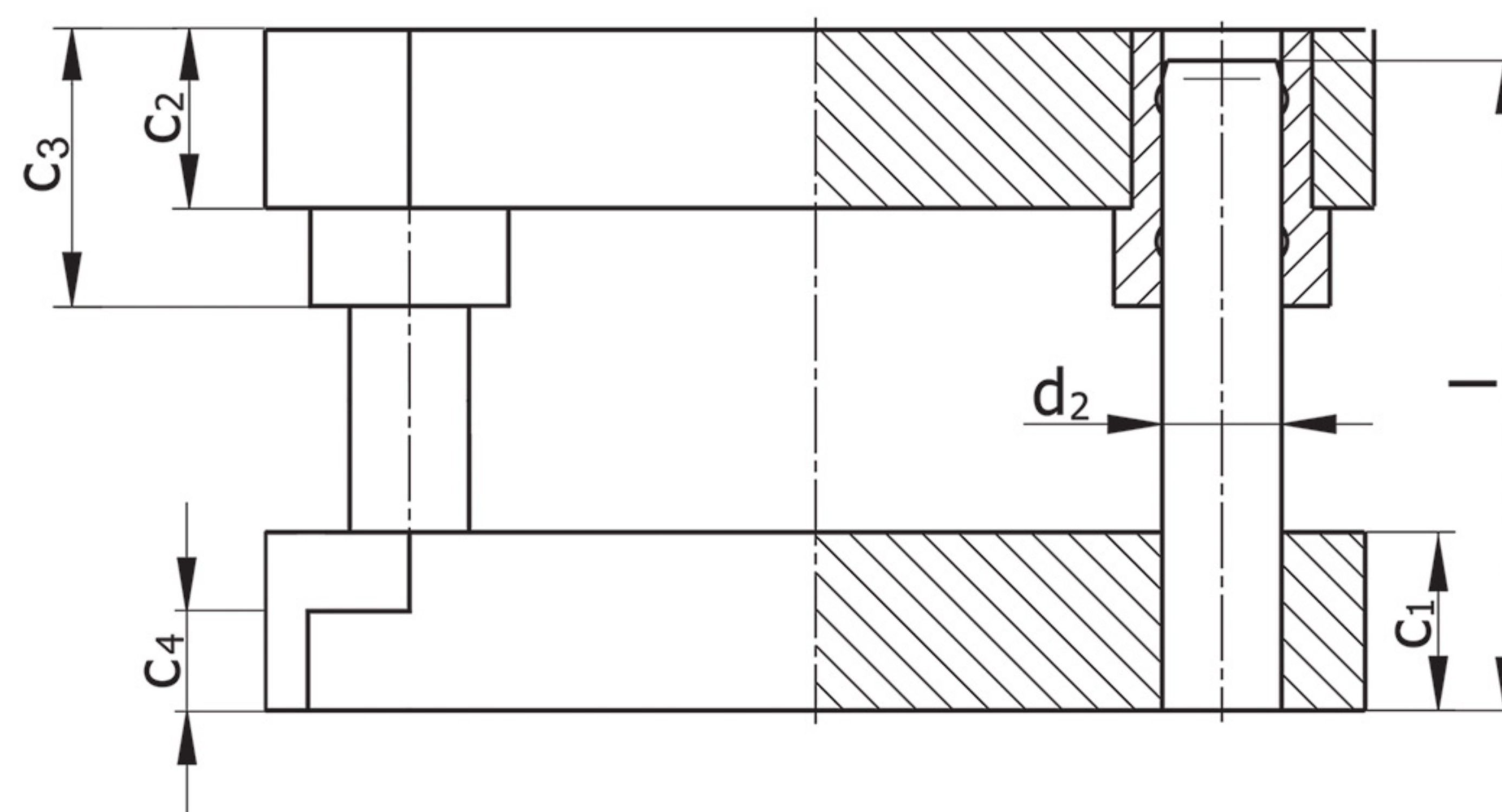
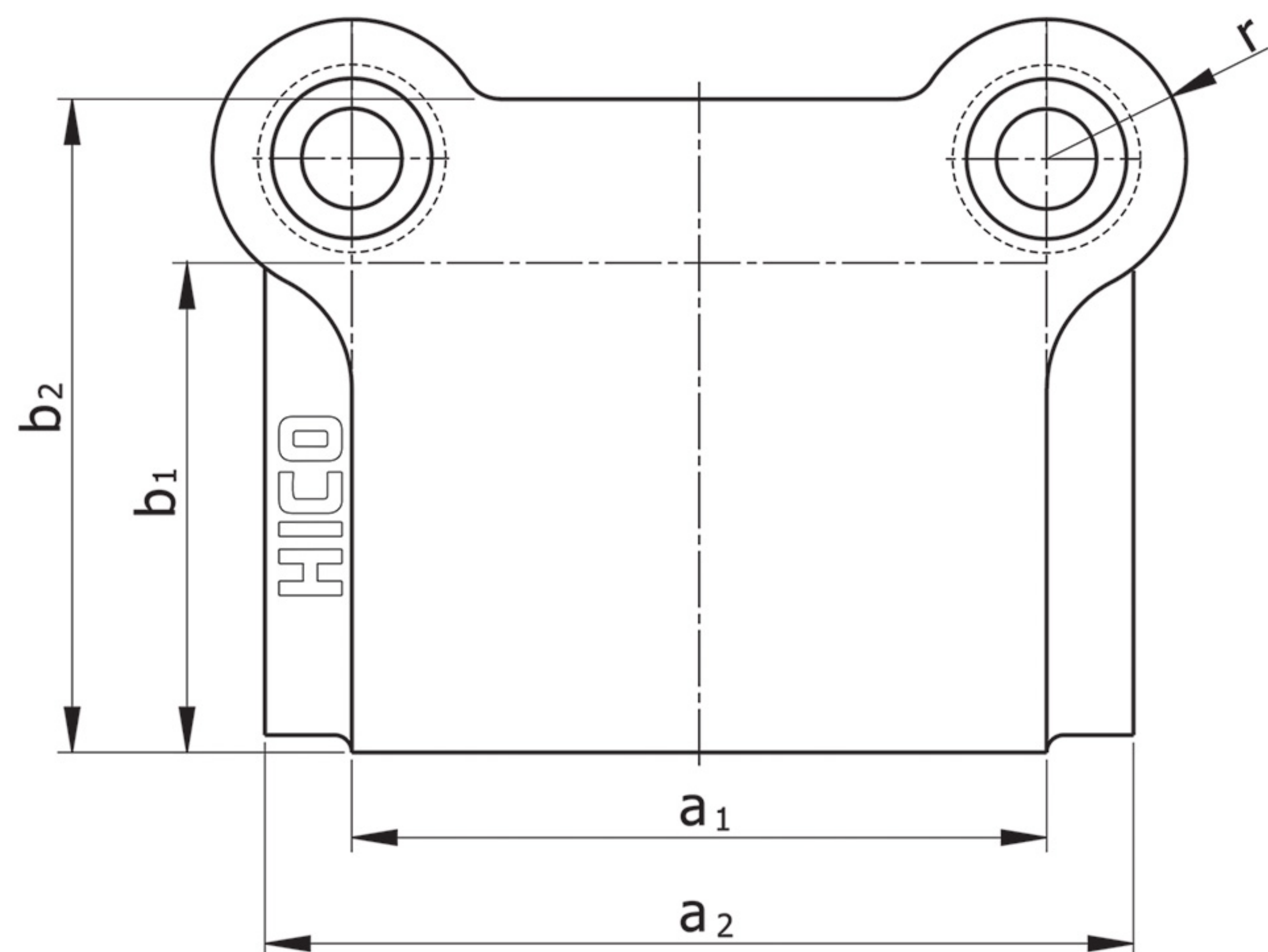
Standards Parts





DL

Die Sets Rear Pillars



Sample order **DL** :

DL / 100 - 180 / A

کد محصول | Group No

ابعاد خارجی | Ext . Dim

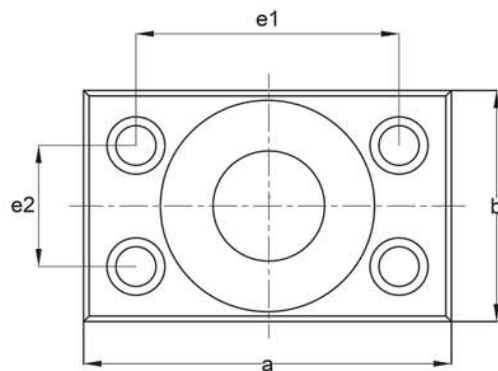
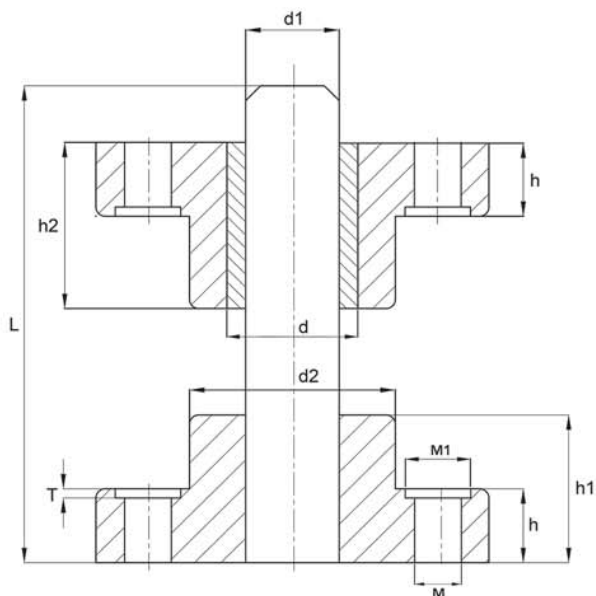
نوع راهنما بندی | Guide system

DL	Size (a1 x b1)		a2	b2	c1 _{±3}	c2 _{±3}	c3	c4	d2	e	f	f1	L	r
	100	80	145	130	50	36	57	25	20	100	87	113	150	30
	125	100	170	150	50	36	73	25	25	125	115	140	160	37
	150	100	204	150	50	36	73	25	25	150	115	143	160	37
	160	125	215	180	50	36	73	25	25	160	140	165	180	37
	200	125	255	180	50	36	73	25	30	200	140	165	180	37
	200	160	255	255	50	45	73	25	30	200	185	205	180	48
	250	125	305	180	50	36	73	25	30	250	140	165	180	37
	250	160	305	255	50	45	84	25	30	250	185	205	180	48
	250	200	305	270	55	46	84	25	40	250	230	260	220	56
	315	250	370	320	60	47	84	25	40	315	275	305	220	56



FL

Flange guide system



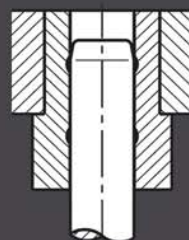
Sample order **FL** :

FL / 20 - 180 / A

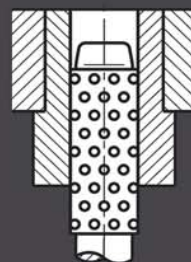
کد محصول | Group No

ابعاد خارجی | Ext . Dim

نوع راهنما بندی | Guide system



Slide Guide
راهنمای لغزشی
type A



Ball Bearing Guide
راهنمای ساچمه ای
type B

	d1	L	h2	d2	h1	h	a	b	T	e1	e2	d	M	M1
FL	20	120	46	50	40	22	90	50	3	64	24	30	8	13.5
		150												
		180												
	25	120	46	50	40	22	90	50	3	68	28	35	8	13.5
		150												
		180												
	30	200	56	65	50	25	115	65	3	83	34	40	10	17.5
		120												
		150												
		180												
		220												
		250												
	40	300	70	85	60	30	130	90	3	95	45	50	12	19.5
		180												
		200												
		220												
	50	300	90	96	65	35	160	100	4	118	55	65	12	19.5
		200												
		220												
		250												
		300												



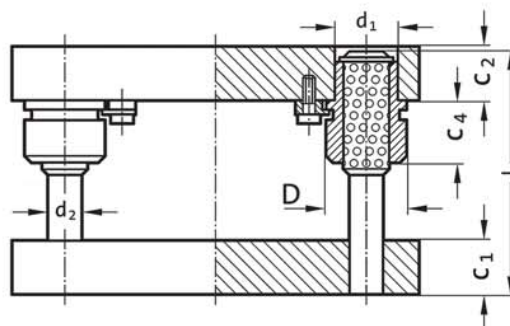
HL

Die Sets Without stripper

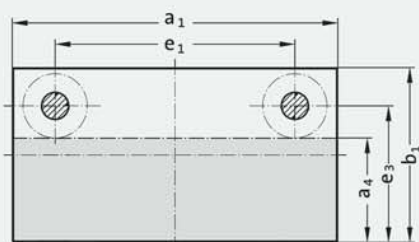
ALL-STEEL DIE SET

Without Stripper

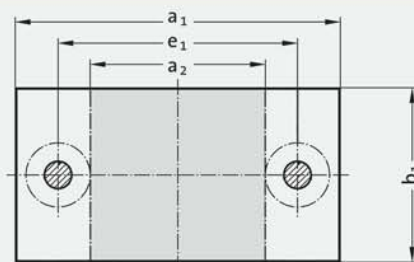
Plates Material : St37 , 1.1730 , 1.7225



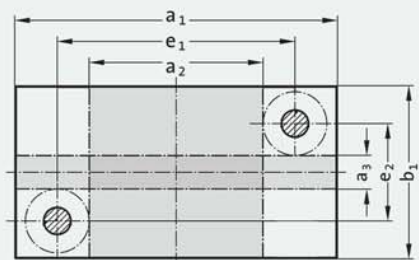
HL/1



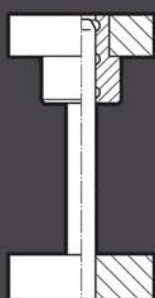
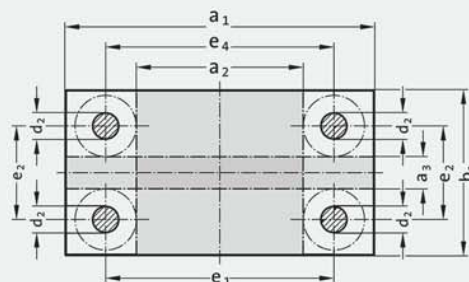
HL/2



HL/3



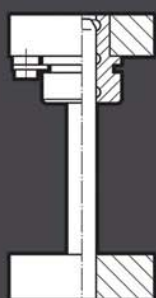
HL/4



Slide Guide

راهنمای لغزشی

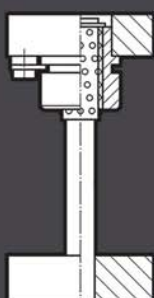
type A



Demountable Bushes

بوش روپند دار
قابل دموئنژ

type B



Ball Bearing Guide

راهنمای ساچمه ای

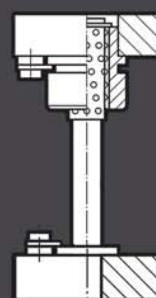
type C



Demountable
Bushes and pillars

بوش و میل راهنمای
روپند دار (قابل دموئنژ)

type D



Demountable
Ball Bearing Guide

بوش و میل راهنمای
ساچمه ای روپند دار

type E



HL

Die Sets Without stripper

	a1 x b1	a2 x b1	a1 x a3	a1 x a4	C1 ±2	C2 ±2	c4	d1	d2	D	l	e1	e2	e3
HL	200 x 100	86 x 100	-	200 x 53	34	34	38	38	25	45	160	132	-	66
	200 x 200	86 x 200	200 x 65	200 x 143	34	34	38	38	25	45	160	132	132	166
	250 x 160	136 x 160	250 x 24	250 x 103	34	34	38	38	25	45	160	182	91	126
	250 x 200	136 x 200	250 x 64	250 x 143	34	34	38	38	25	45	160	182	136	166
	250 x 250	120 x 250	250 x 100	250 x 185	38	38	44	45	30	54	180	174	174	212
	315 x 200	185 x 200	315 x 50	315 x 135	38	38	44	45	30	54	180	239	124	162
	315 x 250	185 x 250	315 x 125	315 x 185	38	38	44	45	30	54	180	239	174	212
	315 x 315	185 x 315	315 x 165	315 x 250	38	38	44	45	30	54	180	239	239	277
	400 x 200	270 x 200	400 x 50	400 x 135	38	38	44	45	30	54	180	324	124	162
	400 x 250	270 x 250	400 x 100	400 x 185	38	38	44	45	30	54	180	324	174	212
	400 x 315	270 x 315	400 x 165	400 x 250	38	38	44	45	30	54	180	324	239	277
	400 x 400	270 x 400	400 x 250	400 x 335	38	38	44	45	30	54	180	324	324	362
	500 x 200	370 x 200	500 x 50	500 x 135	38	38	44	45	30	54	180	424	124	162
	500 x 250	346 x 250	500 x 74	500 x 173	43	43	49	58	40	65	200	412	162	206
	500 x 315	346 x 315	500 x 139	500 x 238	43	43	49	58	40	65	200	412	227	271
	500 x 400	346 x 400	500 x 224	500 x 323	43	43	49	58	40	65	200	412	312	356
	500 x 500	298 x 500	500 x 303	500 x 409	48	48	54	70	50	80	220	398	398	449
	630 x 200	476 x 200	630 x 24	630 x 123	43	43	49	58	40	65	200	542	112	156
	630 x 250	476 x 250	630 x 74	630 x 173	43	43	49	58	40	65	200	542	162	206
	630 x 315	476 x 315	630 x 139	630 x 258	43	43	49	58	40	65	200	542	227	271
	630 x 400	448x 400	630 x 201	630 x 309	48	48	54	70	50	80	220	528	298	349
	630 x 500	448 x 500	630 x 301	630 x 409	48	48	54	70	50	80	220	528	398	449
	710 x 315	528 x 315	710 x 116	710 x 224	48	48	54	70	50	80	220	608	213	264
	710 x 400	528 x 400	710 x 201	710 x 309	48	48	54	70	50	80	220	608	298	349
710 x 500	528 x 500	710 x 301	710 x 409	48	48	54	70	50	80	220	608	398	449	
800 x 315	618 x 315	800 x 116	800 x 224	48	48	54	70	50	80	220	698	213	264	
800 x 400	618 x 400	800 x 201	800 x 309	48	48	54	70	50	80	220	698	298	349	
800 x 500	618 x 500	800 x 301	800 x 409	48	48	54	70	50	80	220	698	398	449	
800 x 630	618 x 630	800 x 431	800 x 539	48	48	54	70	50	80	220	698	528	579	

Ordering code **HL** :

HL1 / 315 - 250 / C

کد محصول | Group No

ابعاد خارجی | Ext. Dim

نوع راهنما بندی | Guide system



SL

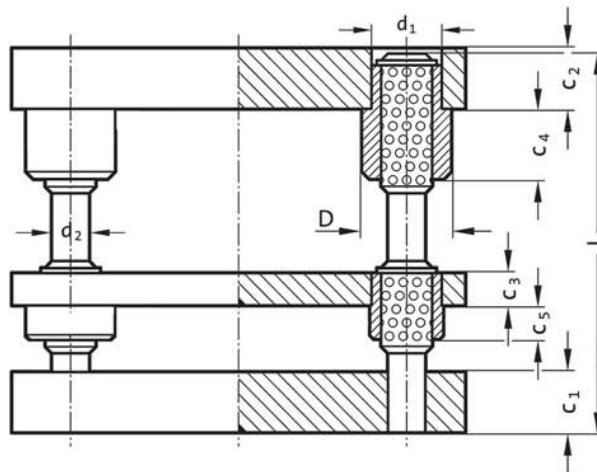
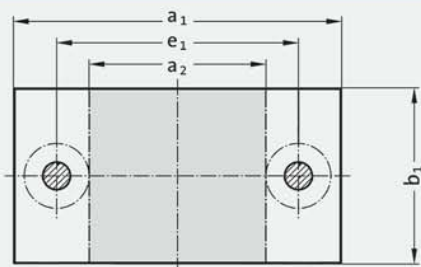
Die Sets Without stripper

ALL-STEEL DIE SET

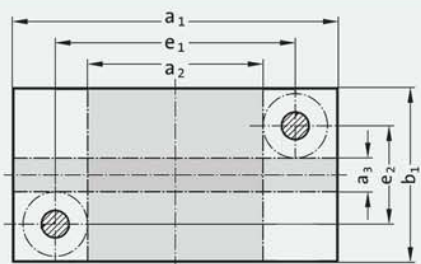
Without Stripper

Plates Material : St37 , 1.1730 , 1.7225

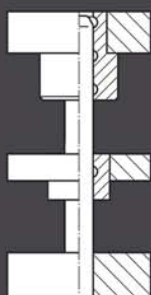
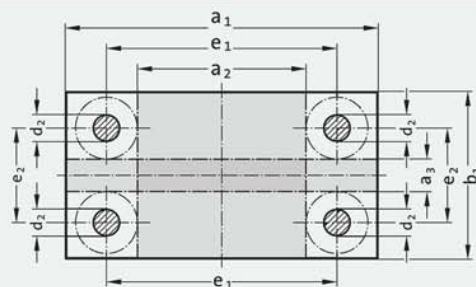
SL/2



SL/3



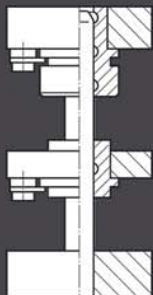
SL/4



Slide Guide

راهنمای لغزشی

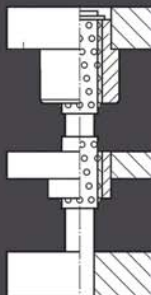
type A



Demountable Bushes

بوش روپند دار
قابل دمونتاژ

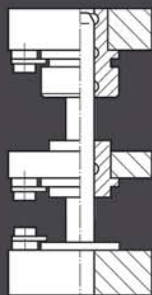
type B



Ball Bearing Guide

راهنمای ساچمه ای

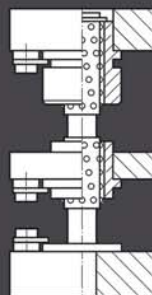
type C



Demountable
Bushes and pillars

بوش و میل راهنمای
روپند دار (قابل دمونتاژ)

type D



Demountable
Ball Bearing Guide

بوش و میل راهنمای
ساچمه ای روپند دار

type E



SL

Die Sets Without stripper

	a1 x b1	a2 x b1	a1 x a3	C1 _{±2}	C2 _{±2}	C3 _{±2}	C4	C5	d1	d2	D	l	e1	e2
	200 x 100	86 x 100	-	34	34	28	38	22	38	25	45	210	132	-
	200 x 200	86 x 200	200 x 65	34	34	28	38	22	38	25	45	210	132	132
	250 x 160	136 x 160	250 x 24	34	34	28	38	22	38	25	45	210	182	91
	250 x 200	136 x 200	250 x 64	34	34	28	38	22	38	25	45	210	182	131
	250 x 250	120 x 250	250 x 100	38	38	33	44	22	45	30	54	235	174	174
	315 x 200	185 x 200	315 x 50	38	38	33	44	22	45	30	54	235	239	124
	315 x 250	185 x 250	315 x 125	38	38	33	44	22	45	30	54	235	239	174
	315 x 315	185 x 315	315 x 165	38	38	33	44	22	45	30	54	235	239	239
	400 x 200	270 x 200	400 x 50	38	38	33	44	22	45	30	54	235	324	124
	400 x 250	270 x 250	400 x 100	38	38	33	44	22	45	30	54	235	324	174
	400 x 315	270 x 315	400 x 165	38	38	33	44	22	45	30	54	235	324	239
	400 x 400	270 x 400	400 x 250	38	38	33	44	22	45	30	54	235	324	324
75	500 x 200	370 x 200	500 x 50	38	38	33	44	22	45	30	54	235	424	124
	500 x 250	346 x 250	500 x 74	43	43	33	49	22	58	40	65	235	412	162
	500 x 315	346 x 315	500 x 139	43	43	33	49	22	58	40	65	235	412	227
	500 x 400	346 x 400	500 x 224	43	43	33	49	22	58	40	65	235	412	312
	500 x 500	298 x 500	500 x 301	48	48	38	54	22	70	50	80	280	398	398
	630 x 200	476 x 200	630 x 24	43	43	33	49	22	58	40	65	235	542	112
	630 x 250	476 x 250	630 x 74	43	43	33	49	22	58	40	65	235	542	162
	630 x 315	476 x 315	630 x 139	43	43	33	49	22	58	40	65	235	542	227
	630 x 400	448 x 400	630 x 201	48	48	38	54	22	70	50	80	280	528	298
	630 x 500	448 x 500	630 x 301	48	48	38	54	22	70	50	80	280	528	398
	710 x 315	528 x 315	710 x 116	48	48	38	54	22	70	50	80	280	608	213
	710 x 400	528 x 400	710 x 201	48	48	38	54	22	70	50	80	280	608	298
	710 x 500	528 x 500	710 x 301	48	48	38	54	22	70	50	80	280	608	398
	800 x 315	618 x 315	800 x 116	48	48	38	54	22	70	50	80	280	698	213
	800 x 400	618 x 400	800 x 201	48	48	38	54	22	70	50	80	280	698	298
	800 x 500	618 x 500	800 x 301	48	48	38	54	22	70	50	80	280	698	398
	800 x 630	618 x 630	800 x 431	48	48	38	54	22	70	50	80	280	698	528

Ordering code **SL** :

SL2 / 315 - 250 / A

کد محصول | Group No

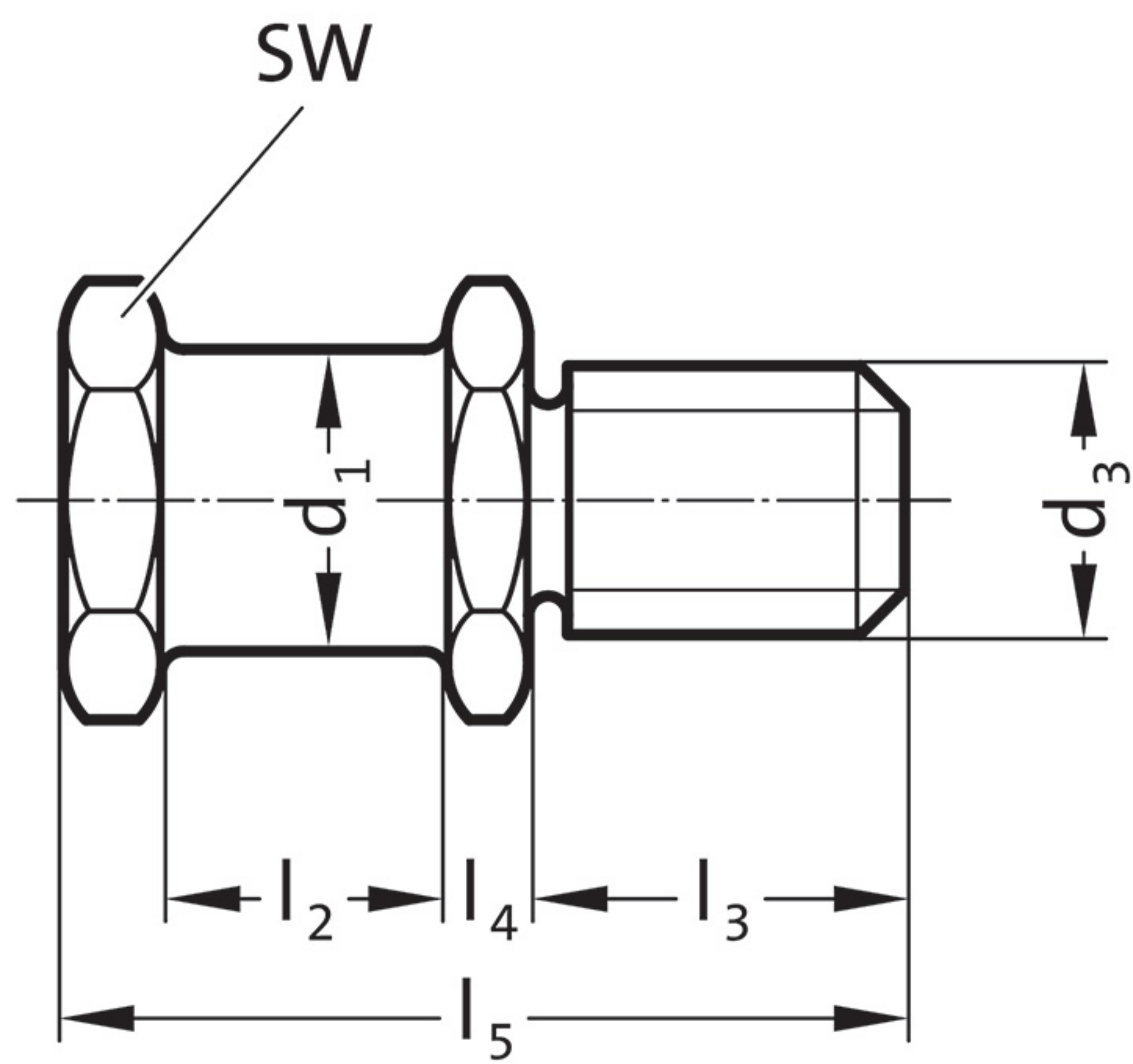
ابعاد خارجی | Ext . Dim

نوع راهنما بندی | Guide system

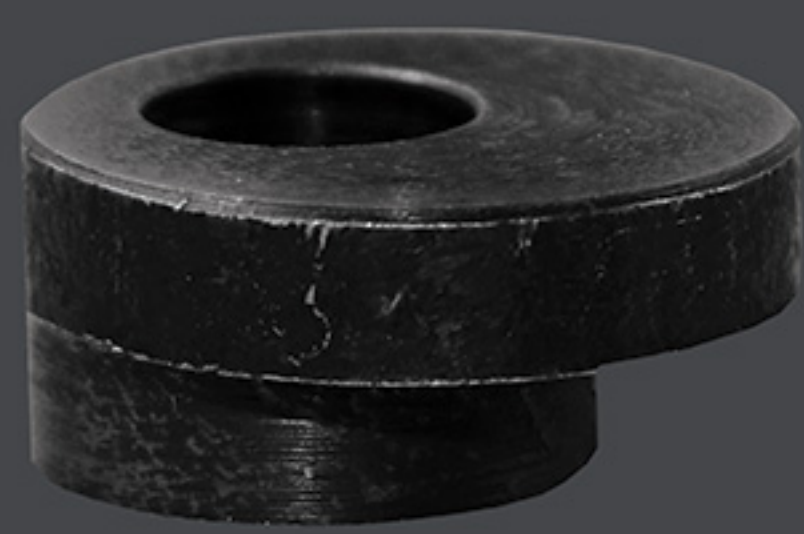


EL

Die Lifting

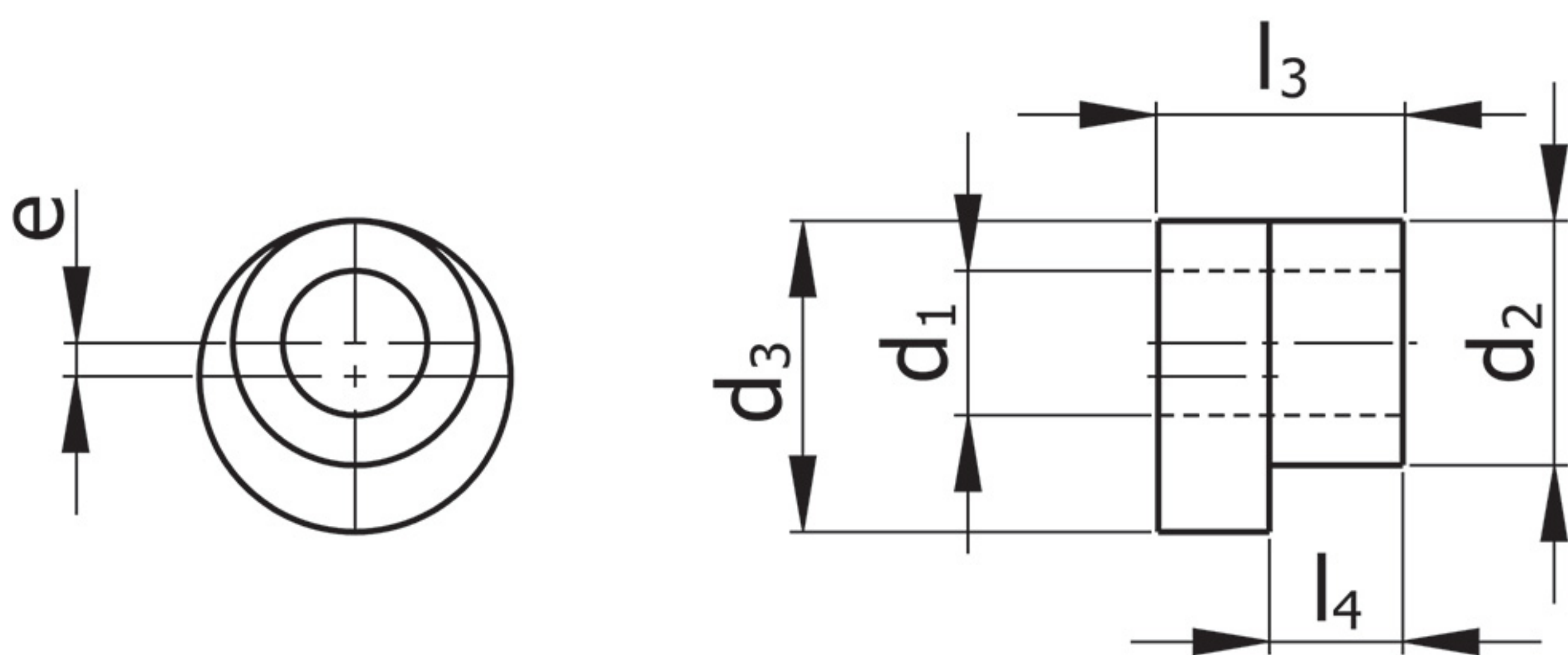


EL	d1	d3	l2	l3	l4	l5	SW	Traglast [kg]
	16	M16	20	28	5	58	24	320
	20	M20	22	34	6	68	30	500



CL

Bush Clamp



CL	d1	d2	d3	l3	l4	e
	6.5	11	14	11	6	1.5
	11	18	24	14	6	3



Z

Standards Parts

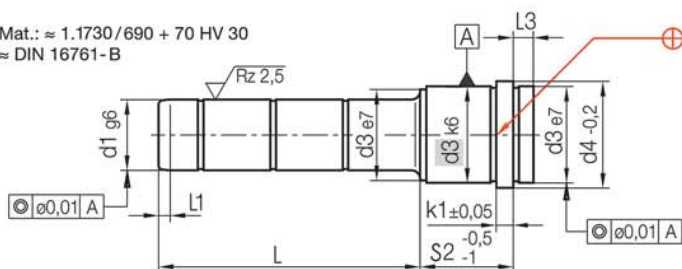




ZOO

Standards Parts Z

Mat.: $\approx 1.1730/690 + 70 \text{ HV } 30$
 $\approx \text{DIN } 16761\text{-B}$



L1	K	L3	d3	d4	s2	d1	L	Nr./No.
7	6	9	22	24	27	16	25	Z00 / 27 / 16 x 25
							35	35
							45	45
							55	55
							65	65
							75	75
							85	85
							95	95
							105	105
							115	115
							125	125

L1	K	L3	d3	d4	s2	d1	L	Nr./No.
7	6	9	22	24	76	16	25	Z00 / 76 / 16 x 25
							35	35
							45	45
							55	55
							65	65
							75	75
							85	85
							95	95
							105	105
							115	115
							125	125

L1	K	L3	d3	d4	s2	d1	L	Nr./No.
7	6	9	22	24	37	16	25	Z00 / 37 / 16 x 25
							35	35
							45	45
							55	55
							65	65
							75	75
							85	85
							95	95
							105	105
							115	115
							125	125

L1	K	L3	d3	d4	s2	d1	L	Nr./No.
7	6	9	22	24	86	16	25	Z00 / 86 / 16 x 25
							35	35
							45	45
							55	55
							65	65
							75	75
							85	85
							95	95
							105	105
							115	115
							125	125

L1	K	L3	d3	d4	s2	d1	L	Nr./No.
7	6	9	22	24	46	16	25	Z00 / 46 / 16 x 25
							35	35
							45	45
							55	55
							65	65
							75	75
							85	85
							95	95
							105	105
							115	115
							125	125

L1	K	L3	d3	d4	s2	d1	L	Nr./No.
7	6	9	22	24	96	16	25	Z00 / 96 / 16 x 25
							35	35
							45	45
							55	55
							65	65
							75	75
							85	85
							95	95
							105	105
							115	115
							125	125

L1	K	L3	d3	d4	s2	d1	L	Nr./No.
7	6	9	22	24	56	16	25	Z00 / 56 / 16 x 25
							35	35
							45	45
							55	55
							65	65
							75	75
							85	85
							95	95
							105	105
							115	115
							125	125

L1	K	L3	d3	d4	s2	d1	L	Nr./No.
7	6	9	26	28	27	20	25	Z00 / 27 / 20 x 25
							35	35
							45	45
							55	55
							65	65
							75	75
							85	85
							95	95
							105	105
							115	115
							125	125

L1	K	L3	d3	d4	s2	d1	L	Nr./No.
7	6	9	22	24	66	16	25	Z00 / 66 / 16 x 25
							35	35
							45	45
							55	55
							65	65
							75	75
							85	85
							95	95
							105	105
							115	115
							125	125

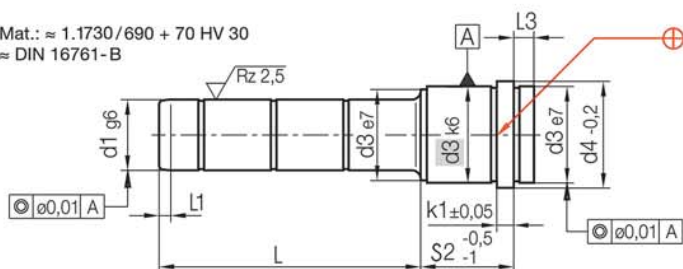
L1	K	L3	d3	d4	s2	d1	L	Nr./No.
7	6	9	26	28	37	20	25	Z00 / 37 / 20 x 25
							35	35
							45	45
							55	55
							65	65
							75	75
							85	85
							95	95
							105	105
							115	115
							125	125



Z00

Standards Parts Z

Mat.: $\approx 1.1730/690 + 70 \text{ HV } 30$
 $\approx \text{DIN } 16761\text{-B}$



L1	K	L3	d3	d4	s2	d1	L	Nr./No.
7	6	9	26	28	46	20	25	Z00 / 46 / 20 x 25
							35	35
							45	45
							55	55
							65	65
							75	75
							85	85
							95	95
							105	105
							115	115
							125	125

L1	K	L3	d3	d4	s2	d1	L	Nr./No.
7	6	9	26	28	96	20	25	Z00 / 96 / 20 x 25
							35	35
							45	45
							55	55
							65	65
							75	75
							85	85
							95	95
							105	105
							115	115
							125	125

L1	K	L3	d3	d4	s2	d1	L	Nr./No.
7	6	9	26	28	56	20	25	Z00 / 56 / 20 x 25
							35	35
							45	45
							55	55
							65	65
							75	75
							85	85
							95	95
							105	105
							115	115
							125	125

L1	K	L3	d3	d4	s2	d1	L	Nr./No.
7	6	9	30	32	27	24	25	Z00 / 27 / 24 x 25
							35	35
							45	45
							55	55
							65	65
							75	75
							85	85
							95	95
							105	105
							115	115
							125	125

L1	K	L3	d3	d4	s2	d1	L	Nr./No.
7	6	9	26	28	66	20	25	Z00 / 66 / 20 x 25
							35	35
							45	45
							55	55
							65	65
							75	75
							85	85
							95	95
							105	105
							115	115
							125	125

L1	K	L3	d3	d4	s2	d1	L	Nr./No.
7	6	9	30	32	37	24	25	Z00 / 37 / 24 x 25
							35	35
							45	45
							55	55
							65	65
							75	75
							85	85
							95	95
							105	105
							115	115
							125	125

L1	K	L3	d3	d4	s2	d1	L	Nr./No.
7	6	9	26	28	76	20	25	Z00 / 76 / 20 x 25
							35	35
							45	45
							55	55
							65	65
							75	75
							85	85
							95	95
							105	105
							115	115
							125	125

L1	K	L3	d3	d4	s2	d1	L	Nr./No.
7	6	9	30	32	46	24	25	Z00 / 46 / 24 x 25
							35	35
							45	45
							55	55
							65	65
							75	75
							85	85
							95	95
							105	105
							115	115
							125	125

L1	K	L3	d3	d4	s2	d1	L	Nr./No.
7	6	9	26	28	86	20	25	Z00 / 86 / 20 x 25
							35	35
							45	45
							55	55
							65	65
							75	75
							85	85
							95	95
							105	105
							115	115
							125	125

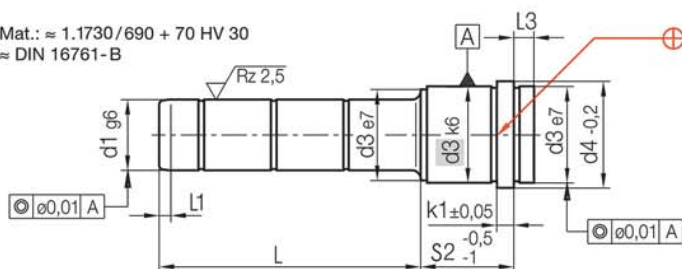
L1	K	L3	d3	d4	s2	d1	L	Nr./No.
7	6	9	30	32	56	24	25	Z00 / 56 / 24 x 25
							35	35
							45	45
							55	55
							65	65
							75	75
							85	85
							95	95
							105	105
							115	115
							125	125



ZOO

Standards Parts Z

Mat.: $\approx 1.1730/690 + 70 \text{ HV } 30$
 $\approx \text{DIN } 16761\text{-B}$



L1	K	L3	d3	d4	s2	d1	L	Nr./No.
7	6	9	30	32	66	24	25	Z00 / 66 / 24 x 25
							35	35
							45	45
							55	55
							65	65
							75	75
							85	85
							95	95
							105	105
							115	115
							125	125

L1	K	L3	d3	d4	s2	d1	L	Nr./No.
7	6	9	40	45	37	30	45	Z00 / 37 / 30 x 45
							55	55
							65	65
							75	75
							85	85
							95	95
							105	105
							115	115
							125	125
							135	135
							145	145
							155	155
							165	165
							175	175
							185	185
							195	195

L1	K	L3	d3	d4	s2	d1	L	Nr./No.
7	6	9	30	32	76	24	25	Z00 / 76 / 24 x 25
							35	35
							45	45
							55	55
							65	65
							75	75
							85	85
							95	95
							105	105
							115	115
							125	125

L1	K	L3	d3	d4	s2	d1	L	Nr./No.
7	6	9	40	45	46	30	45	Z00 / 46 / 30 x 45
							55	55
							65	65
							75	75
							85	85
							95	95
							105	105
							115	115
							125	125
							135	135
							145	145
							155	155
							165	165
							175	175
							185	185
							195	195

L1	K	L3	d3	d4	s2	d1	L	Nr./No.
7	6	9	30	32	86	24	25	Z00 / 86 / 24 x 25
							35	35
							45	45
							55	55
							65	65
							75	75
							85	85
							95	95
							105	105
							115	115
							125	125

L1	K	L3	d3	d4	s2	d1	L	Nr./No.
7	6	9	40	45	56	30	45	Z00 / 56 / 30 x 45
							55	55
							65	65
							75	75
							85	85
							95	95
							105	105
							115	115
							125	125
							135	135
							145	145
							155	155
							165	165
							175	175
							185	185
							195	195

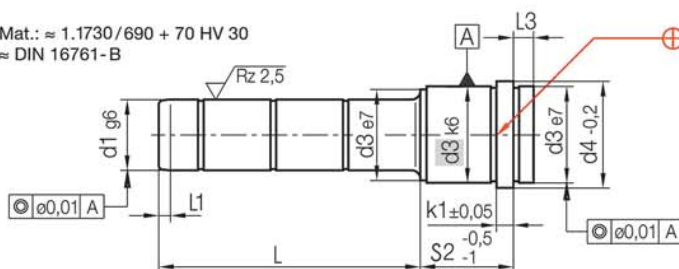
L1	K	L3	d3	d4	s2	d1	L	Nr./No.
7	6	9	30	32	96	24	25	Z00 / 96 / 24 x 25
							35	35
							45	45
							55	55
							65	65
							75	75
							85	85
							95	95
							105	105
							115	115
							125	125



Z00

Standards Parts Z

Mat.: $\approx 1.1730/690 + 70 \text{ HV } 30$
 $\approx \text{DIN } 16761\text{-B}$



L1	K	L3	d3	d4	s2	d1	L	Nr./No.
7	6	9	40	45	66	30	45	Z00 / 66 / 30 x 45
							55	55
							65	65
							75	75
							85	85
							95	95
							105	105
							115	115
							125	125
							135	135
							145	145
							155	155
							165	165
							175	175
							185	185
							195	195

L1	K	L3	d3	d4	s2	d1	L	Nr./No.
7	6	9	40	45	96	30	45	Z00 / 96 / 30 x 45
							55	55
							65	65
							75	75
							85	85
							95	95
							105	105
							115	115
							125	125
							135	135
							145	145
							155	155
							165	165
							175	175
							185	185
							195	195

L1	K	L3	d3	d4	s2	d1	L	Nr./No.
7	6	9	40	45	76	30	45	Z00 / 76 / 30 x 45
							55	55
							65	65
							75	75
							85	85
							95	95
							105	105
							115	115
							125	125
							135	135
							145	145
							155	155
							165	165
							175	175
							185	185
							195	195

L1	K	L3	d3	d4	s2	d1	L	Nr./No.
10	10	12	50	58	46	40	45	Z00 / 46 / 40 x 45
							55	55
							65	65
							75	75
							85	85
							95	95
							105	105
							115	115
							125	125
							135	135
							145	145
							155	155
							165	165
							175	175
							185	185
							195	195
							205	205
							215	215
							225	225
							235	235
							245	245
							255	255

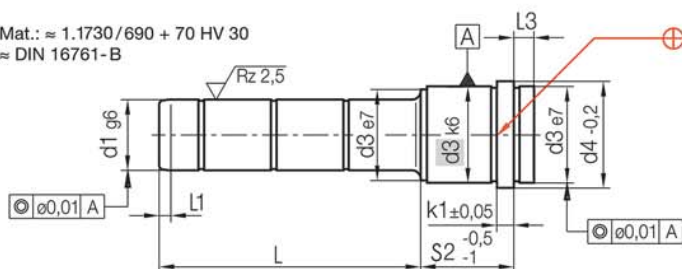
L1	K	L3	d3	d4	s2	d1	L	Nr./No.
7	6	9	40	45	86	30	45	Z00 / 86 / 30 x 45
							55	55
							65	65
							75	75
							85	85
							95	95
							105	105
							115	115
							125	125
							135	135
							145	145
							155	155
							165	165
							175	175
							185	185
							195	195



ZOO

Standards Parts Z

Mat.: $\approx 1.1730/690 + 70 \text{ HV } 30$
 $\approx \text{DIN } 16761\text{-B}$



L1	K	L3	d3	d4	s2	d1	L	Nr./No.
10	10	12	50	58	56	40	45	Z00 / 56 / 40 x 45
							55	55
							65	65
							75	75
							85	85
							95	95
							105	105
							115	115
							125	125
							135	135
							145	145
							155	155
							165	165
							175	175
							185	185
							195	195
							205	205
							215	215
							225	225
							235	235
							245	245
							255	255

L1	K	L3	d3	d4	s2	d1	L	Nr./No.
10	10	12	50	58	76	40	45	Z00 / 76 / 40 x 45
							55	55
							65	65
							75	75
							85	85
							95	95
							105	105
							115	115
							125	125
							135	135
							145	145
							155	155
							165	165
							175	175
							185	185
							195	195
							205	205
							215	215
							225	225
							235	235
							245	245
							255	255

L1	K	L3	d3	d4	s2	d1	L	Nr./No.
10	10	12	50	58	66	40	45	Z00 / 66 / 40 x 45
							55	55
							65	65
							75	75
							85	85
							95	95
							105	105
							115	115
							125	125
							135	135
							145	145
							155	155
							165	165
							175	175
							185	185
							195	195
							205	205
							215	215
							225	225
							235	235
							245	245
							255	255

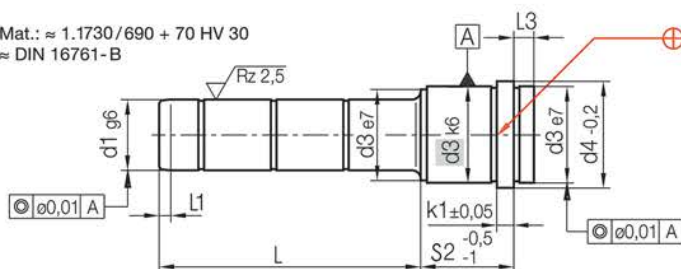
L1	K	L3	d3	d4	s2	d1	L	Nr./No.
10	10	12	50	58	86	40	45	Z00 / 86 / 40 x 45
							55	55
							65	65
							75	75
							85	85
							95	95
							105	105
							115	115
							125	125
							135	135
							145	145
							155	155
							165	165
							175	175
							185	185
							195	195
							205	205
							215	215
							225	225
							235	235
							245	245
							255	255



ZOO

Standards Parts Z

Mat.: $\approx 1.1730/690 + 70 \text{ HV } 30$
 $\approx \text{DIN } 16761\text{-B}$



L1	K	L3	d3	d4	s2	d1	L	Nr./No.
10	10	12	50	58	96	40	45	Z00 / 96 / 40 x 45
							55	55
							65	65
							75	75
							85	85
							95	95
							105	105
							115	115
							125	125
							135	135
							145	145
							155	155
							165	165
							175	175
							185	185
							195	195
							205	205
							215	215
							225	225
							235	235
							245	245
							255	255

L1	K	L3	d3	d4	s2	d1	L	Nr./No.
10	10	12	70	78	136	50	95	Z00 / 136 / 50 x 95
							115	115
							135	135
							155	155
							175	175
							195	195
							215	215
							235	235
							255	255
							275	275
							295	295

L1	K	L3	d3	d4	s2	d1	L	Nr./No.
10	10	12	70	78	156	50	95	Z00 / 156 / 50 x 95
							115	115
							135	135
							155	155
							175	175
							195	195
							215	215
							235	235
							255	255
							275	275
							295	295

L1	K	L3	d3	d4	s2	d1	L	Nr./No.
10	10	12	70	78	76	50	95	Z00 / 76 / 50 x 95
							115	115
							135	135
							155	155
							175	175
							195	195
							215	215
							235	235
							255	255
							275	275
							295	295

L1	K	L3	d3	d4	s2	d1	L	Nr./No.
10	10	12	70	78	176	50	95	Z00 / 176 / 50 x 95
							115	115
							135	135
							155	155
							175	175
							195	195
							215	215
							235	235
							255	255
							275	275
							295	295

L1	K	L3	d3	d4	s2	d1	L	Nr./No.
10	10	12	70	78	96	50	95	Z00 / 96 / 50 x 95
							115	115
							135	135
							155	155
							175	175
							195	195
							215	215
							235	235
							255	255
							275	275
							295	295

L1	K	L3	d3	d4	s2	d1	L	Nr./No.
10	10	12	70	78	196	50	95	Z00 / 196 / 50 x 95
							115	115
							135	135
							155	155
							175	175
							195	195
							215	215
							235	235
							255	255
							275	275
							295	295

L1	K	L3	d3	d4	s2	d1	L	Nr./No.
10	10	12	70	78	116	50	95	Z00 / 116 / 50 x 95
							115	115
							135	135
							155	155
							175	175
							195	195
							215	215
							235	235
							255	255
							275	275
							295	295

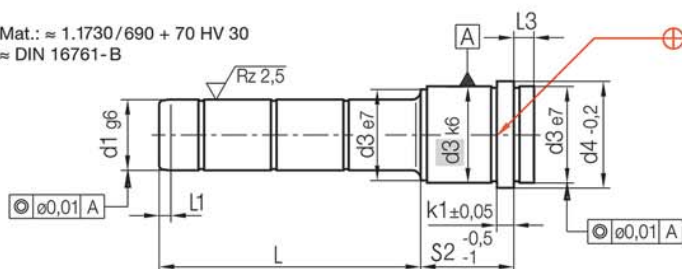
L1	K	L3	d3	d4	s2	d1	L	Nr./No.
10	10	12	70	78	216	50	95	Z00 / 216 / 50 x 95
							115	115
							135	135
							155	155
							175	175
							195	195
							215	215
							235	235
							255	255
							275	275
							295	295



ZOO

Standards Parts Z

Mat.: $\approx 1.1730/690 + 70 \text{ HV } 30$
 $\approx \text{DIN } 16761\text{-B}$



L1	K	L3	d3	d4	s2	d1	L	Nr./No.
10	10	12	70	78	236	50	95	Z00 / 236 / 50 x 95
							115	115
							135	135
							155	155
							175	175
							195	195
							215	215
							235	235
							255	255
							275	275
							295	295

L1	K	L3	d3	d4	s2	d1	L	Nr./No.
10	20	12	80	88	116	60	115	Z00 / 116 / 60 x 115
							135	135
							155	155
							175	175
							195	195
							245	245

L1	K	L3	d3	d4	s2	d1	L	Nr./No.
10	10	12	70	78	256	50	95	Z00 / 256 / 50 x 95
							115	115
							135	135
							155	155
							175	175
							195	195
							215	215
							235	235
							255	255
							275	275
							295	295

L1	K	L3	d3	d4	s2	d1	L	Nr./No.
10	20	12	80	88	136	60	115	Z00 / 136 / 60 x 115
							135	135
							155	155
							175	175
							195	195
							245	245

L1	K	L3	d3	d4	s2	d1	L	Nr./No.
10	10	12	70	78	276	50	95	Z00 / 276 / 50 x 95
							115	115
							135	135
							155	155
							175	175
							195	195
							215	215
							235	235
							255	255
							275	275
							295	295

L1	K	L3	d3	d4	s2	d1	L	Nr./No.
10	20	12	80	88	156	60	115	Z00 / 156 / 60 x 115
							135	135
							155	155
							175	175
							195	195
							245	245

L1	K	L3	d3	d4	s2	d1	L	Nr./No.
10	20	12	80	88	96	60	115	Z00 / 96 / 60 x 115
							135	135
							155	155
							175	175
							195	195
							245	245

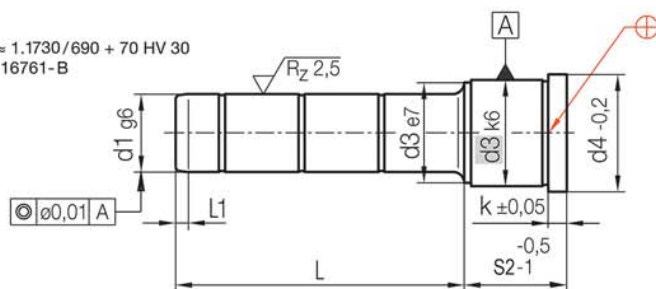
L1	K	L3	d3	d4	s2	d1	L	Nr./No.
10	20	12	80	88	246	60	115	Z00 / 246 / 60 x 115
							135	135
							155	155
							175	175
							195	195
							245	245



Z03

Standards Parts Z

Mat.: $\approx 1.1730/690 + 70 \text{ HV } 30$
 $\approx \text{DIN } 16761\text{-B}$



L1	K	d3	d4	s2	d1	L	Nr./No.
7	6	22	24	27	16	25	Z03 / 27 / 16 x 25
						35	35
						45	45
						55	55
						65	65
						75	75
						85	85
						95	95
						105	105
						115	115
						125	125

L1	K	d3	d4	s2	d1	L	Nr./No.
7	6	22	24	76	16	25	Z03 / 76 / 16 x 25
						35	35
						45	45
						55	55
						65	65
						75	75
						85	85
						95	95
						105	105
						115	115
						125	125

L1	K	d3	d4	s2	d1	L	Nr./No.
7	6	22	24	37	16	25	Z03 / 37 / 16 x 25
						35	35
						45	45
						55	55
						65	65
						75	75
						85	85
						95	95
						105	105
						115	115
						125	125

L1	K	d3	d4	s2	d1	L	Nr./No.
7	6	22	24	86	16	25	Z03 / 86 / 16 x 25
						35	35
						45	45
						55	55
						65	65
						75	75
						85	85
						95	95
						105	105
						115	115
						125	125

L1	K	d3	d4	s2	d1	L	Nr./No.
7	6	22	24	46	16	25	Z03 / 46 / 16 x 25
						35	35
						45	45
						55	55
						65	65
						75	75
						85	85
						95	95
						105	105
						115	115
						125	125

L1	K	d3	d4	s2	d1	L	Nr./No.
7	6	22	24	96	16	25	Z03 / 96 / 16 x 25
						35	35
						45	45
						55	55
						65	65
						75	75
						85	85
						95	95
						105	105
						115	115
						125	125

L1	K	d3	d4	s2	d1	L	Nr./No.
7	6	22	24	56	16	25	Z03 / 56 / 16 x 25
						35	35
						45	45
						55	55
						65	65
						75	75
						85	85
						95	95
						105	105
						115	115
						125	125

L1	K	d3	d4	s2	d1	L	Nr./No.
7	6	26	28	27	20	25	Z03 / 27 / 20 x 25
						35	35
						45	45
						55	55
						65	65
						75	75
						85	85
						95	95
						105	105
						115	115
						125	125

L1	K	d3	d4	s2	d1	L	Nr./No.
7	6	22	24	66	16	25	Z03 / 66 / 16 x 25
						35	35
						45	45
						55	55
						65	65
						75	75
						85	85
						95	95
						105	105
						115	115
						125	125

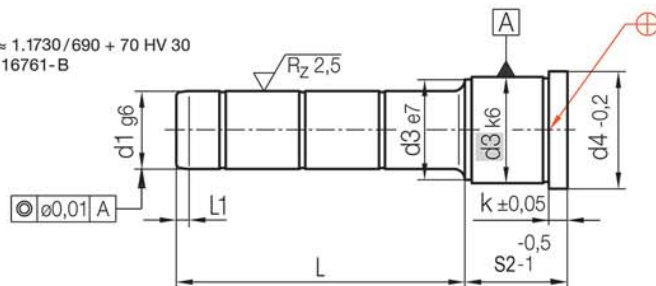
L1	K	d3	d4	s2	d1	L	Nr./No.
7	6	26	28	37	20	25	Z03 / 37 / 20 x 25
						35	35
						45	45
						55	55
						65	65
						75	75
						85	85
						95	95
						105	105
						115	115
						125	125



Z03

Standards Parts Z

Mat.: $\approx 1.1730 / 690 + 70 \text{ HV } 30$
 $\approx \text{DIN } 16761\text{-B}$



L1	K	d3	d4	s2	d1	L	Nr./No.
7	6	26	28	46	20	25	Z03 / 46 / 20 x 25
						35	35
						45	45
						55	55
						65	65
						75	75
						85	85
						95	95
						105	105
						115	115
						125	125

L1	K	d3	d4	s2	d1	L	Nr./No.
7	6	26	28	96	20	25	Z03 / 96 / 20 x 25
						35	35
						45	45
						55	55
						65	65
						75	75
						85	85
						95	95
						105	105
						115	115
						125	125

L1	K	d3	d4	s2	d1	L	Nr./No.
7	6	26	28	56	20	25	Z03 / 56 / 20 x 25
						35	35
						45	45
						55	55
						65	65
						75	75
						85	85
						95	95
						105	105
						115	115
						125	125

L1	K	d3	d4	s2	d1	L	Nr./No.
7	6	30	32	27	24	25	Z03 / 27 / 24 x 25
						35	35
						45	45
						55	55
						65	65
						75	75
						85	85
						95	95
						105	105
						115	115
						125	125

L1	K	d3	d4	s2	d1	L	Nr./No.
7	6	26	28	66	20	25	Z03 / 66 / 20 x 25
						35	35
						45	45
						55	55
						65	65
						75	75
						85	85
						95	95
						105	105
						115	115
						125	125

L1	K	d3	d4	s2	d1	L	Nr./No.
7	6	30	32	37	24	25	Z03 / 37 / 24 x 25
						35	35
						45	45
						55	55
						65	65
						75	75
						85	85
						95	95
						105	105
						115	115
						125	125

L1	K	d3	d4	s2	d1	L	Nr./No.
7	6	26	28	76	20	25	Z03 / 76 / 20 x 25
						35	35
						45	45
						55	55
						65	65
						75	75
						85	85
						95	95
						105	105
						115	115
						125	125

L1	K	d3	d4	s2	d1	L	Nr./No.
7	6	30	32	46	24	25	Z03 / 46 / 24 x 25
						35	35
						45	45
						55	55
						65	65
						75	75
						85	85
						95	95
						105	105
						115	115
						125	125

L1	K	d3	d4	s2	d1	L	Nr./No.
7	6	26	28	86	20	25	Z03 / 86 / 20 x 25
						35	35
						45	45
						55	55
						65	65
						75	75
						85	85
						95	95
						105	105
						115	115
						125	125

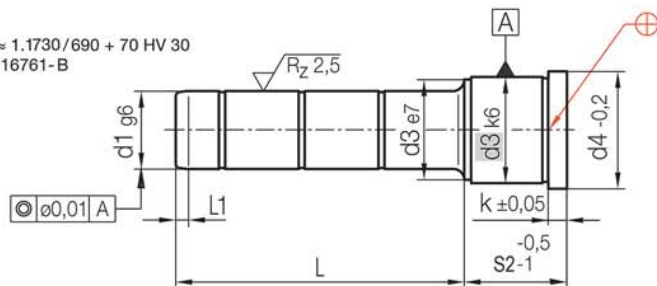
L1	K	d3	d4	s2	d1	L	Nr./No.
7	6	30	32	56	24	25	Z03 / 56 / 24 x 25
						35	35
						45	45
						55	55
						65	65
						75	75
						85	85
						95	95
						105	105
						115	115
						125	125



Z03

Standards Parts Z

Mat.: $\approx 1.1730/690 + 70 \text{ HV } 30$
 $\approx \text{DIN } 16761\text{-B}$



L1	K	d3	d4	s2	d1	L	Nr./No.
7	6	30	32	66	24	25	Z03 / 66 / 24 x 25
						35	35
						45	45
						55	55
						65	65
						75	75
						85	85
						95	95
						105	105
						115	115
						125	125

L1	K	d3	d4	s2	d1	L	Nr./No.
7	6	40	45	37	30	45	Z03 / 37 / 30 x 45
						55	55
						65	65
						75	75
						85	85
						95	95
						105	105
						115	115
						125	125
						135	135
						145	145
						155	155
						165	165
						175	175
						185	185
						195	195

L1	K	d3	d4	s2	d1	L	Nr./No.
7	6	30	32	76	24	25	Z03 / 76 / 24 x 25
						35	35
						45	45
						55	55
						65	65
						75	75
						85	85
						95	95
						105	105
						115	115
						125	125

L1	K	d3	d4	s2	d1	L	Nr./No.
7	6	40	45	46	30	45	Z03 / 46 / 30 x 45
						55	55
						65	65
						75	75
						85	85
						95	95
						105	105
						115	115
						125	125
						135	135
						145	145
						155	155
						165	165
						175	175
						185	185
						195	195

L1	K	d3	d4	s2	d1	L	Nr./No.
7	6	30	32	86	24	25	Z03 / 86 / 24 x 25
						35	35
						45	45
						55	55
						65	65
						75	75
						85	85
						95	95
						105	105
						115	115
						125	125

L1	K	d3	d4	s2	d1	L	Nr./No.
7	6	40	45	56	30	45	Z03 / 56 / 30 x 45
						55	55
						65	65
						75	75
						85	85
						95	95
						105	105
						115	115
						125	125
						135	135
						145	145
						155	155
						165	165
						175	175
						185	185
						195	195

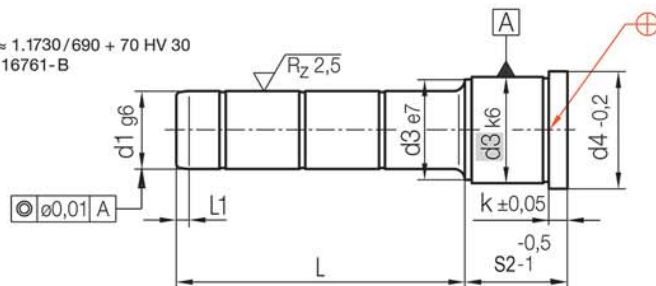
L1	K	d3	d4	s2	d1	L	Nr./No.
7	6	30	32	96	24	25	Z03 / 96 / 24 x 25
						35	35
						45	45
						55	55
						65	65
						75	75
						85	85
						95	95
						105	105
						115	115
						125	125



Z03

Standards Parts Z

Mat.: $\approx 1.1730 / 690 + 70 \text{ HV } 30$
 $\approx \text{DIN } 16761\text{-B}$



L1	K	d3	d4	s2	d1	L	Nr./No.
7	6	40	45	66	30	45	Z03 / 66 / 30 x 45
						55	55
						65	65
						75	75
						85	85
						95	95
						105	105
						115	115
						125	125
						135	135
						145	145
						155	155
						165	165
						175	175
						185	185
						195	195

L1	K	d3	d4	s2	d1	L	Nr./No.
7	6	40	45	96	30	45	Z03 / 96 / 30 x 45
						55	55
						65	65
						75	75
						85	85
						95	95
						105	105
						115	115
						125	125
						135	135
						145	145
						155	155
						165	165
						175	175
						185	185
						195	195

L1	K	d3	d4	s2	d1	L	Nr./No.
7	6	40	45	76	30	45	Z03 / 76 / 30 x 45
						55	55
						65	65
						75	75
						85	85
						95	95
						105	105
						115	115
						125	125
						135	135
						145	145
						155	155
						165	165
						175	175
						185	185
						195	195

L1	K	d3	d4	s2	d1	L	Nr./No.
10	10	50	58	46	40	45	Z03 / 46 / 40 x 45
						55	55
						65	65
						75	75
						85	85
						95	95
						105	105
						115	115
						125	125
						135	135
						145	145
						155	155
						165	165
						175	175
						185	185
						195	195
						205	205
						215	215
						225	225
						235	235
						245	245
						255	255

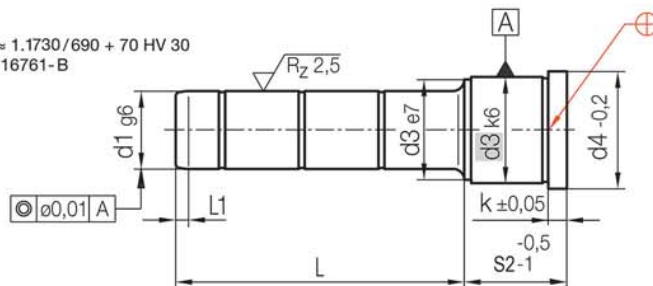
L1	K	d3	d4	s2	d1	L	Nr./No.
7	6	40	45	86	30	45	Z03 / 86 / 30 x 45
						55	55
						65	65
						75	75
						85	85
						95	95
						105	105
						115	115
						125	125
						135	135
						145	145
						155	155
						165	165
						175	175
						185	185
						195	195



Z03

Standards Parts Z

Mat.: $\approx 1.1730/690 + 70 \text{ HV } 30$
 $\approx \text{DIN } 16761\text{-B}$



L1	K	d3	d4	s2	d1	L	Nr./No.
10	10	50	58	56	40	45	Z03 / 56 / 40 x 45
						55	55
						65	65
						75	75
						85	85
						95	95
						105	105
						115	115
						125	125
						135	135
						145	145
						155	155
						165	165
						175	175
						185	185
						195	195
						205	205
						215	215
						225	225
						235	235
						245	245
						255	255

L1	K	d3	d4	s2	d1	L	Nr./No.
10	10	50	58	76	40	45	Z03 / 76 / 40 x 45
						55	55
						65	65
						75	75
						85	85
						95	95
						105	105
						115	115
						125	125
						135	135
						145	145
						155	155
						165	165
						175	175
						185	185
						195	195
						205	205
						215	215
						225	225
						235	235
						245	245
						255	255

L1	K	d3	d4	s2	d1	L	Nr./No.
10	10	50	58	66	40	45	Z03 / 66 / 40 x 45
						55	55
						65	65
						75	75
						85	85
						95	95
						105	105
						115	115
						125	125
						135	135
						145	145
						155	155
						165	165
						175	175
						185	185
						195	195
						205	205
						215	215
						225	225
						235	235
						245	245
						255	255

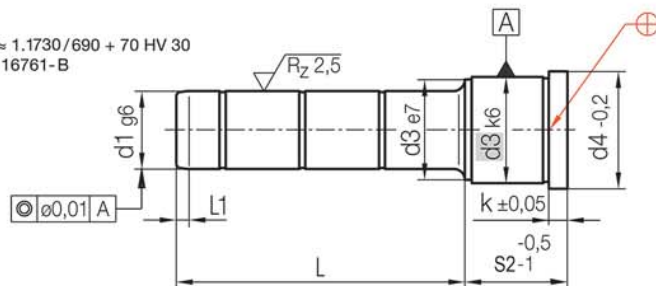
L1	K	d3	d4	s2	d1	L	Nr./No.
10	10	50	58	86	40	45	Z03 / 86 / 40 x 45
						55	55
						65	65
						75	75
						85	85
						95	95
						105	105
						115	115
						125	125
						135	135
						145	145
						155	155
						165	165
						175	175
						185	185
						195	195
						205	205
						215	215
						225	225
						235	235
						245	245
						255	255



Z03

Standards Parts Z

Mat.: $\approx 1.1730 / 690 + 70 \text{ HV } 30$
 $\approx \text{DIN } 16761\text{-B}$



L1	K	d3	d4	s2	d1	L	Nr./No.
10	10	50	58	96	40	45	Z03 / 96 / 40 x 45
						55	55
						65	65
						75	75
						85	85
						95	95
						105	105
						115	115
						125	125
						135	135
						145	145
						155	155
						165	165
						175	175
						185	185
						195	195
						205	205
						215	215
						225	225
						235	235
						245	245
						255	255

L1	K	d3	d4	s2	d1	L	Nr./No.
10	10	70	78	136	50	95	Z03 / 136 / 50 x 95
						115	115
						135	135
						155	155
						175	175
						195	195
						215	215
						235	235
						255	255
						275	275
						295	295

L1	K	d3	d4	s2	d1	L	Nr./No.
10	10	70	78	156	50	95	Z03 / 156 / 50 x 95
						115	115
						135	135
						155	155
						175	175
						195	195
						215	215
						235	235
						255	255
						275	275
						295	295

L1	K	d3	d4	s2	d1	L	Nr./No.
10	10	70	78	76	50	95	Z03 / 76 / 50 x 95
						115	115
						135	135
						155	155
						175	175
						195	195
						215	215
						235	235
						255	255
						275	275
						295	295

L1	K	d3	d4	s2	d1	L	Nr./No.
10	10	70	78	176	50	95	Z03 / 176 / 50 x 95
						115	115
						135	135
						155	155
						175	175
						195	195
						215	215
						235	235
						255	255
						275	275
						295	295

L1	K	d3	d4	s2	d1	L	Nr./No.
10	10	70	78	96	50	95	Z03 / 96 / 50 x 95
						115	115
						135	135
						155	155
						175	175
						195	195
						215	215
						235	235
						255	255
						275	275
						295	295

L1	K	d3	d4	s2	d1	L	Nr./No.
10	10	70	78	196	50	95	Z03 / 196 / 50 x 95
						115	115
						135	135
						155	155
						175	175
						195	195
						215	215
						235	235
						255	255
						275	275
						295	295

L1	K	d3	d4	s2	d1	L	Nr./No.
10	10	70	78	116	50	95	Z03 / 116 / 50 x 95
						115	115
						135	135
						155	155
						175	175
						195	195
						215	215
						235	235
						255	255
						275	275
						295	295

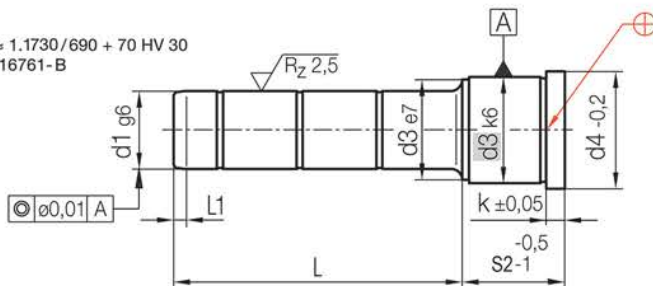
L1	K	d3	d4	s2	d1	L	Nr./No.
10	10	70	78	216	50	95	Z03 / 216 / 50 x 95
						115	115
						135	135
						155	155
						175	175
						195	195
						215	215
						235	235
						255	255
						275	275
						295	295



Z03

Standards Parts Z

Mat.: $\approx 1.1730/690 + 70 \text{ HV } 30$
 $\approx \text{DIN } 16761\text{-B}$



L1	K	d3	d4	s2	d1	L	Nr./No.
10	10	70	78	236	50	95	Z03 / 236 / 50 x 95
						115	115
						135	135
						155	155
						175	175
						195	195
						215	215
						235	235
						255	255
						275	275
						295	295

L1	K	d3	d4	s2	d1	L	Nr./No.
10	10	70	78	256	50	95	Z03 / 256 / 50 x 95
						115	115
						135	135
						155	155
						175	175
						195	195
						215	215
						235	235
						255	255
						275	275
						295	295

L1	K	d3	d4	s2	d1	L	Nr./No.
10	10	70	78	276	50	95	Z03 / 276 / 50 x 95
						115	115
						135	135
						155	155
						175	175
						195	195
						215	215
						235	235
						255	255
						275	275
						295	295

L1	K	d3	d4	s2	d1	L	Nr./No.
10	20	80	88	96	60	115	Z03 / 96 / 60 x 115
						135	135
						155	155
						175	175
						195	195
						245	245

L1	K	d3	d4	s2	d1	L	Nr./No.
10	20	80	88	116	60	115	Z00 / 116 / 60 x 115
						135	135
						155	155
						175	175
						195	195
						245	245

L1	K	d3	d4	s2	d1	L	Nr./No.
10	20	80	88	136	60	115	Z00 / 136 / 60 x 115
						135	135
						155	155
						175	175
						195	195
						245	245

L1	K	d3	d4	s2	d1	L	Nr./No.
10	20	80	88	156	60	115	Z00 / 156 / 60 x 115
						135	135
						155	155
						175	175
						195	195
						245	245

L1	K	d3	d4	s2	d1	L	Nr./No.
10	20	80	88	196	60	115	Z00 / 196 / 60 x 115
						135	135
						155	155
						175	175
						195	195
						245	245

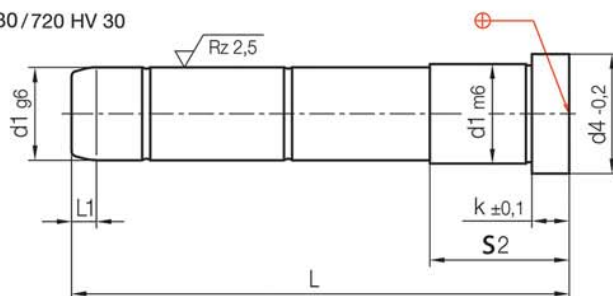
L1	K	d3	d4	s2	d1	L	Nr./No.
10	20	80	88	246	60	115	Z00 / 246 / 60 x 115
						135	135
						155	155
						175	175
						195	195
						245	245



Z011

Standards Parts Z

Mat.: $\approx 1.1730/720$ HV 30



L1	K	d4	s2	d1	L	Nr./No.
4	3	12	17	10	40	Z011 / 10 x 40
					60	60
			22		80	80
			27		100	100

L1	K	d4	s2	d1	L	Nr./No.
7	6	16	17	12	60	Z011 / 12 x 60
					80	80
			27		100	100
			36		120	120
					140	140
					160	160

L1	K	d4	s2	d1	L	Nr./No.
7	8	18	17	14	60	Z011 / 14 x 60
					80	80
			27		100	100
			36		120	120
			46		140	140
					160	160

L1	K	d4	s2	d1	L	Nr./No.
7	8	20	22	16	60	Z011 / 16 x 60
			27		80	80
					100	100
			36		120	120
			46		140	140
					160	160

L1	K	d4	s2	d1	L	Nr./No.
7	8	22	27	18	80	Z011 / 18 x 80
					100	100
			36		120	120
			46		140	140
					160	160
			56		180	180
					200	200
					220	220

L1	K	d4	s2	d1	L	Nr./No.
7	8	24	27	20	80	Z011 / 20 x 80
					100	100
			36		120	120
			46		140	140
					160	160
			56		180	180
					200	200
					220	220

L1	K	d4	s2	d1	L	Nr./No.
7	8	26	36	22	100	Z011 / 22 x 100
			46		120	120
					140	140
			56		160	160
					180	180
			76		200	200
					220	220
					240	240
					280	280

L1	K	d4	s2	d1	L	Nr./No.
7	8	28	36	24	100	Z011 / 24 x 100
			46		120	120
					140	140
			56		160	160
					180	180
			76		200	200
					220	220
					240	240
					280	280

L1	K	d4	s2	d1	L	Nr./No.
7	8	36	56	30	120	Z011 / 30 x 120
					140	140
					160	160
					180	180
					200	200
			76		220	220
					240	240
					280	280
					320	320
					360	360

L1	K	d4	s2	d1	L	Nr./No.
7	8	36	56	32	120	Z011 / 32 x 120
					140	140
					160	160
					180	180
					200	200
			76		220	220
					240	240
					280	280
					320	320
					360	360

L1	K	d4	s2	d1	L	Nr./No.
10	10	48	56	40	200	Z011 / 40 x 200
			76		240	240
			96		300	300
					360	360

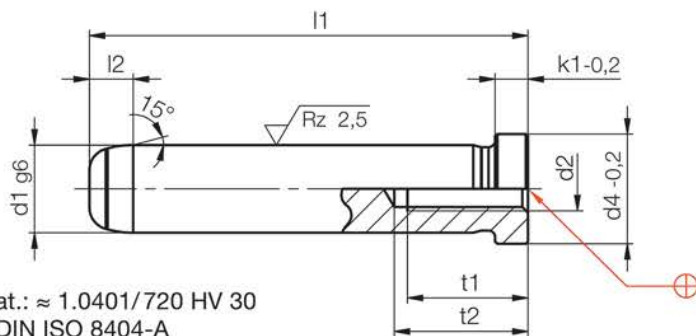
L1	K	d4	s2	d1	L	Nr./No.
10	10	58	96	50	200	Z011 / 50 x 200
					240	240
					300	300
					360	360

L1	K	d4	s2	d1	L	Nr./No.
12	15	68	116	60	200	Z011 / 60 x 200
					240	240
					300	300
					360	360

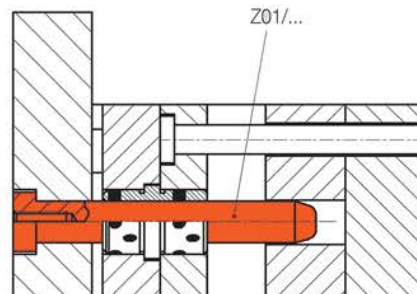
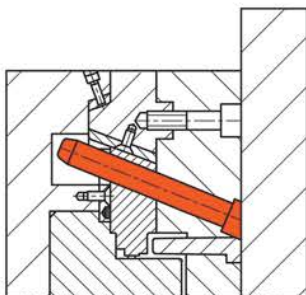
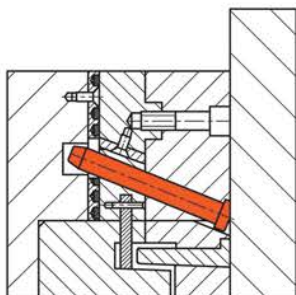


Z01

Standards Parts Z
Angle Pin



Mat.: $\approx$ 1.0401/720 HV 30
 $\approx$ DIN ISO 8404-A



k1	t2	t1	l2	d4	d2	d1	L	Nr./No.
3	12	8	4	10	M4	8	40	Z01 / 8 x 40
							50	50
							60	60
							70	70
							80	80
							90	90
							100	100
							120	120

k1	t2	t1	l2	d4	d2	d1	L	Nr./No.
8	17	12	7	18	M6	14	50	Z01 / 14 x 50
							60	60
							70	70
							80	80
							90	90
							100	100
							120	120
							140	140
							160	160
							180	180
							200	200

k1	t2	t1	l2	d4	d2	d1	L	Nr./No.
3	15	10	4	12	M5	9	40	Z01 / 9 x 40
							50	50
							60	60
							70	70
							80	80
							90	90
							100	100
							120	120

k1	t2	t1	l2	d4	d2	d1	L	Nr./No.
8	22	16	7	18	M8	15	60	Z01 / 15 x 60
							80	80
							100	100
							120	120
							140	140
							160	160
							180	180
							200	200

k1	t2	t1	l2	d4	d2	d1	L	Nr./No.
3	15	10	4	12	M6	10	40	Z01 / 10 x 40
							50	50
							60	60
							70	70
							80	80
							90	90
							100	100
							120	120
							140	140

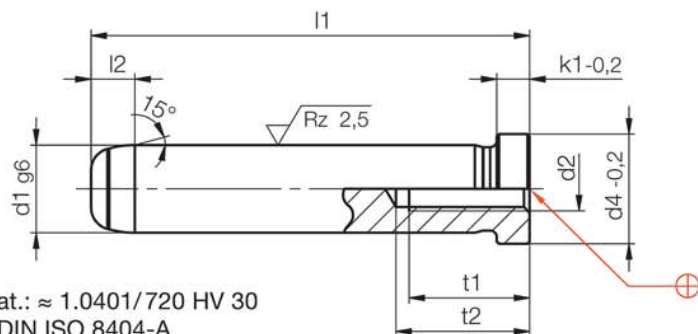
k1	t2	t1	l2	d4	d2	d1	L	Nr./No.
8	22	16	7	20	M8	16	40	Z01 / 16 x 40
							50	50
							60	60
							70	70
							80	80
							90	90
							100	100
							110	110
							120	120
							140	140
							160	160
							180	180
							200	200
							220	220
							240	240

k1	t2	t1	l2	d4	d2	d1	L	Nr./No.
6	17	12	7	16	M6	12	40	Z01 / 12 x 40
							50	50
							60	60
							70	70
							80	80
							90	90
							100	100
							120	120
							140	140
							160	160
							180	180



Z01

Standards Parts Z
Angle Pin



Mat.: $\approx$ 1.0401/720 HV 30
 $\approx$ DIN ISO 8404-A

k1	t2	t1	l2	d4	d2	d1	L	Nr./No.
8	27	20	7	22	M10	18	60	Z01 / 18 x 60
							70	70
							80	80
							90	90
							100	100
							110	110
							120	120
							140	140
							160	160
							180	180
							200	200
							220	220
							240	240
							260	260
							280	280

k1	t2	t1	l2	d4	d2	d1	L	Nr./No.
15	32	24	15	28	M12	24	80	Z01 / 24 x 80
							100	100
							120	120
							140	140
							160	160
							180	180
							200	200
							220	220
							240	240
							260	260
							280	280
							300	300

k1	t2	t1	l2	d4	d2	d1	L	Nr./No.
8	27	20	12	24	M10	20	60	Z01 / 20 x 60
							80	80
							90	90
							100	100
							110	110
							120	120
							140	140
							160	160
							180	180
							200	200
							220	220
							240	240
							260	260
							280	280
							300	300

k1	t2	t1	l2	d4	d2	d1	L	Nr./No.
15	41	32	15	36	M16	30	80	Z01 / 30 x 80
							100	100
							120	120
							140	140
							160	160
							180	180
							200	200
							220	220
							240	240
							260	260
							280	280
							300	300

k1	t2	t1	l2	d4	d2	d1	L	Nr./No.
15	41	32	15	36	M16	32	100	Z01 / 32 x 100
							120	120
							160	160
							180	180
							200	200
							240	240
							300	300

k1	t2	t1	l2	d4	d2	d1	L	Nr./No.
15	27	20	12	26	M10	22	80	Z01 / 22 x 80
							100	100
							120	120
							140	140
							160	160
							180	180
							200	200
							220	220
							240	240
							260	260
							280	280
							300	300

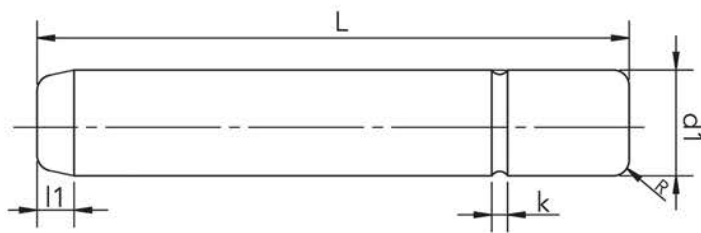
k1	t2	t1	l2	d4	d2	d1	L	Nr./No.
20	41	32	15	48	M16	40	160	Z01 / 40 x 160
							200	200
							240	240
							300	300
							360	360
							400	400

k1	t2	t1	l2	d4	d2	d1	L	Nr./No.
20	41	32	20	58	M16	50	160	Z01 / 50 x 160
							200	200
							240	240
							300	300
							360	360
							400	400



Z025

Standards Parts Z



Mat.: $\approx 1.1730/720$ HV 30

L1	K	R	d1	L	Nr./No.
4	3	3	10	40	Z025 / 10 x 40
				60	60
				80	80
				100	100

L1	K	R	d1	L	Nr./No.
7	3	3	12	60	Z025 / 12 x 60
				80	80
				100	100
				120	120
				140	140
				160	160

L1	K	R	d1	L	Nr./No.
7	3	3	14	60	Z025 / 14 x 60
				80	80
				100	100
				120	120
				140	140
				160	160

L1	K	R	d1	L	Nr./No.
7	3	3	16	60	Z025 / 16 x 60
				80	80
				100	100
				120	120
				140	140
				160	160

L1	K	R	d1	L	Nr./No.
7	3	3	18	80	Z025 / 18 x 80
				100	100
				120	120
				140	140
				160	160
				180	180
				200	200
				220	220

L1	K	R	d1	L	Nr./No.
7	3	3	20	80	Z025 / 20 x 80
				100	100
				120	120
				140	140
				160	160
				180	180
				200	200
				220	220

L1	K	R	d1	L	Nr./No.
7	3	3	22	100	Z025 / 22 x 100
				120	120
				140	140
				160	160
				180	180
				200	200
				220	220
				240	240
				280	280

L1	K	R	d1	L	Nr./No.
7	3	3	24	100	Z025 / 24 x 100
				120	120
				140	140
				160	160
				180	180
				200	200
				220	220
				240	240
				280	280

L1	K	R	d1	L	Nr./No.
7	3	3	25	100	Z025 / 25 x 100
				120	120
				140	140
				160	160
				180	180
				200	200
				220	220
				240	240
				280	280

L1	K	R	d1	L	Nr./No.
7	3	3	30	120	Z025 / 30 x 120
				140	140
				160	160
				180	180
				200	200
				220	220
				240	240
				280	280
				320	320
				360	360

L1	K	R	d1	L	Nr./No.
7	3	3	32	120	Z025 / 32 x 120
				140	140
				160	160
				180	180
				200	200
				220	220
				240	240
				280	280
				320	320
				360	360

L1	K	R	d1	L	Nr./No.
10	3	3	40	200	Z025 / 40 x 200
				240	240
				300	300
				360	360

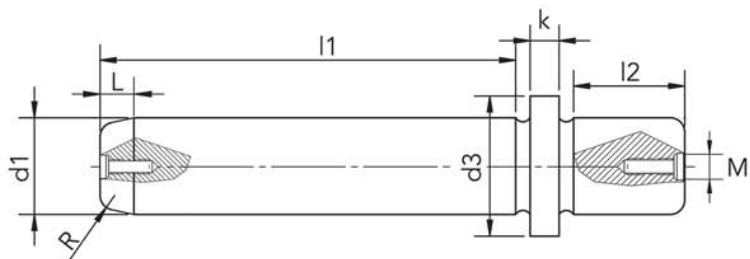
L1	K	R	d1	L	Nr./No.
10	3	3	50	200	Z025 / 50 x 200
				240	240
				300	300
				360	360

L1	K	R	d1	L	Nr./No.
12	3	3	60	200	Z025 / 60 x 200
				240	240
				300	300
				360	360



Z035

Standards Parts Z



Mat.: ≈ 1.1730/720 HV 30

Z035	L	K	R	M	d3	d1	l2	l1	Nr./No.
	7	6	3	6	18	10	30	40	Z035 / 10 x 40
								60	60
								80	80
								100	100

Z035	L	K	R	M	d3	d1	l2	l1	Nr./No.
	7	6	3	6	20	12	30	60	Z035 / 12 x 60
								80	80
								100	100
								120	120
								140	140
								160	160

Z035	L	K	R	M	d3	d1	l2	l1	Nr./No.
	7	6	3	6	22	14	30	60	Z035 / 14 x 60
								80	80
								100	100
								120	120
								140	140
								160	160

Z035	L	K	R	M	d3	d1	l2	l1	Nr./No.
	7	6	3	6	24	16	30	60	Z035 / 16 x 60
								80	80
								100	100
								120	120
								140	140
								160	160

Z035	L	K	R	M	d3	d1	l2	l1	Nr./No.
	7	6	3	6	26	18	30	80	Z035 / 18 x 80
								100	100
								120	120
								140	140
								160	160
								180	180
								200	200
								220	220

Z035	L	K	R	M	d3	d1	l2	l1	Nr./No.
	7	6	3	8	28	20	30	80	Z035 / 20 x 80
								100	100
								120	120
								140	140
								160	160
								180	180
								200	200
								220	220

Z035	L	K	R	M	d3	d1	l2	l1	Nr./No.
	7	6	3	8	30	22	42	100	Z035 / 22 x 100
								120	120
								140	140
								160	160
								180	180
								200	200
								220	220
								240	240
								280	280

560Z	L	K	R	M	d3	d1	l2	l1	Nr./No.
	7	6	3	8	32	24	42	100	Z035 / 24 x 100
								120	120
								140	140
								160	160
								180	180
								200	200
								220	220
								240	240
								280	280

Z035	L	K	R	M	d3	d1	l2	l1	Nr./No.
	7	6	3	8	33	25	42	100	Z035 / 25 x 100
								120	120
								140	140
								160	160
								180	180
								200	200
								220	220
								240	240
								280	280

5E0Z	L	K	R	M	d3	d1	l2	l1	Nr./No.
	7	6	3	8	38	30	42	120	Z035 / 30 x 120
								140	140
								160	160
								180	180
								200	200
								220	220
								240	240
								280	280
								320	320
							360	360	

	L	K	R	M	d3	d1	l2	l1	Nr./No.
Z035	7	6	3	8	40	32	42	120	2035 / 32 x 120
								140	140
								160	160
								180	180
								200	200
								220	220
								240	240
								280	280
								320	320
							360	360	

5E0Z	L	K	R	M	d3	d1	l2	l1	Nr./No.
	7	6	3	10	48	40	42	200	2035 / 40 x 200
								240	240
								300	300
								360	360

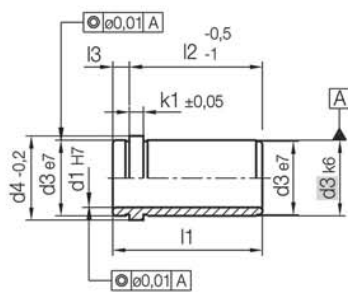
Z035	L	K	R	M	d3	d1	l2	l1	Nr./No.
	7	6	3	10	58	50	42	200	Z035 / 50 x 200
								240	240
								300	300
								360	360

Z035	L	K	R	M	d3	d1	l2	l1	Nr./No.
	7	6	3	10	68	60	42	200	Z035 / 60 x 200
								240	240
								300	300
								360	360

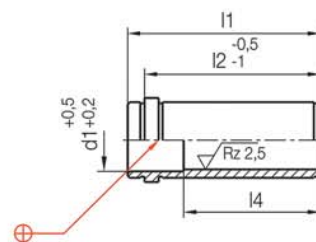


Z10

Standards Parts Z



Typ 1



Typ 2

Mat.: $\approx 1.1730 / 690 + 70 \text{ HV } 30 \approx \text{DIN } 16716 - \text{C}$

Z10	Typ	k1	l4	l3	l1	d4	d3	L2	d1	Nr./No.
	1	6	21	9	21	24	22	12	16	Z10 / 12 x 16
			26		26			17		17
			31		31			22		22
			36		36			27		27
			45		45			36		36
			55		55			46		46
	2	56			65			56		56
					75			66		66
					85			76		76
					95			86		86
					105			96		96
					125			116		116

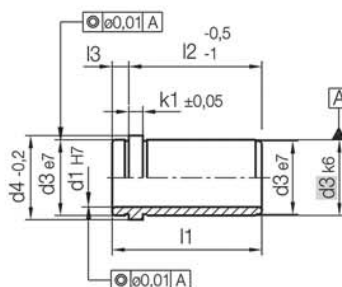
Z10	Typ	k1	l4	l3	l1	d4	d3	L2	d1	Nr./No.
	1	6	26	9	26	32	30	17	24	Z10 / 17 x 24
			31		31			22		22
			36		36			27		27
			45		45			36		36
			55		55			46		46
			65		65			56		56
			75		75			66		66
			85		85			76		76
			95		95			86		86
			105		105			96		96
			96		125			116		116
	2				145			136		136
					165			156		156

Z10	Typ	k1	l4	l3	l1	d4	d3	L2	d1	Nr./No.
	1	6	31	9	31	45	40	22	30	Z10 / 22 x 30
			36		36			27		27
			45		45			36		36
			55		55			46		46
			65		65			56		56
			75		75			66		66
			85		85			76		76
			95		95			86		86
			105		105			96		96
			125		125			116		116
			116		145			136		136
	2		116		165			156		156
			116		185			176		176
			116		205			196		196

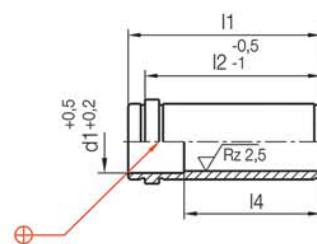


Z10

Standards Parts Z



Typ 1



Typ 2

Mat.: $\approx 1.1730 / 690 + 70 \text{ HV } 30 \approx \text{DIN } 16716\text{-C}$

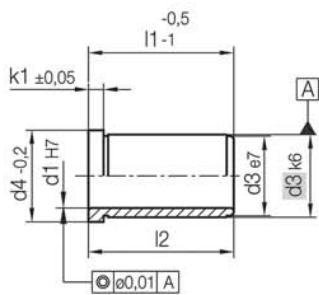
Z10	Typ	k1	l4	l3	l1	d4	d3	L2	d1	Nr./No.
	1	10	48	12	48	58	50	36	40	Z10 / 36 x 40
			58		58			46		46
			68		68			56		56
			78		78			66		66
			88		88			76		76
			98		98			86		86
			108		108			96		96
			128		128			116		116
	2	10	136		148			136		136
					168			156		156
					188			176		176
					208			196		196
					228			216		216
					240			236		236
					258			246		246

Z10	Typ	k1	l4	l3	l1	d4	d3	L2	d1	Nr./No.
	1	10	68	12	68	78	70	56	50	Z10 / 56 x 50
			78		78			66		66
			88		88			76		76
			98		98			86		86
			108		108			96		96
			128		128			116		116
	2	10	136		148			136		136
					168			156		156
					188			176		176
					208			196		196
					228			216		216
					248			236		236

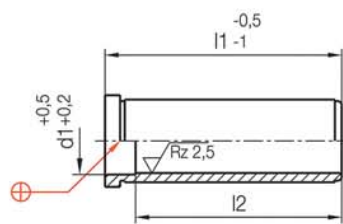


Z11

Standards Parts Z



Typ 1



Typ 2

Mat.: ≈ 1.1730 / 690 + 70 HV 30 ≈ DIN 16716-C

Typ	k1	l2	d4	d3	L1	d1	Nr./No.
1	6	12	24	22	12	16	Z11 / 12 x 16
		17			17		17
		22			22		22
		27			27		27
		36			36		36
		46			46		46
2		56			56		56
					66		66
					76		76
					86		86
					96		96
		60			116		116

Typ	k1	l2	d4	d3	L1	d1	Nr./No.
1	6	17	28	26	17	20	Z11 / 17 x 20
		22			22		22
		27			27		27
		36			36		36
		46			46		46
		56			56		56
2		66			66		66
		76			76		76
					86		86
					96		96
					116		116
					136		136

Typ	k1	l2	d4	d3	L1	d1	Nr./No.
1	6	17	32	30	17	24	Z11 / 17 x 24
		22			22		22
		27			27		27
		36			36		36
		46			46		46
		56			56		56
2		66			66		66
		76			76		76
		86			86		86
		96			96		96
					116		116
					136		136

Typ	k1	l2	d4	d3	L1	d1	Nr./No.
1	7	22	45	40	22	30	Z11 / 22 x 30
		27			27		27
		36			36		36
		46			46		46
		56			56		56
		66			66		66
2		76			76		76
		86			86		86
		96			96		96
		116			116		116
					136		136
					156		156

Typ	k1	l2	d4	d3	L1	d1	Nr./No.
1	10	36	58	50	36	40	Z11 / 36 x 40
		46			46		46
		56			56		56
		66			66		66
		76			76		76
		86			86		86
2		96			96		96
		116			116		116
		136			136		136
					156		156
					176		176
					196		196

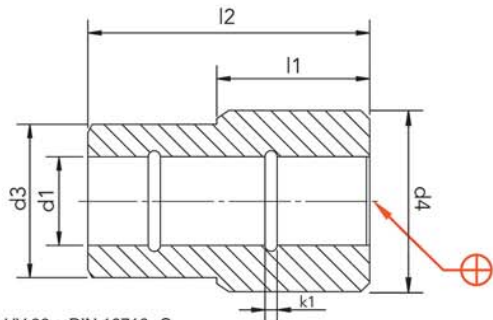
Typ	k1	l2	d4	d3	L1	d1	Nr./No.
1	10	76	78	70	55	50	Z11 / 55 x 50
		76			66		66
		76			76		76
		76			86		86
		96			96		96
		116			116		116
2		136			136		136
					156		156
					176		176
					196		196
					216		216
					236		236

Typ	k1	l2	d4	d3	L1	d1	Nr./No.
1	10	96	88	80	96	60	Z11 / 96 x 60
		116			116		116
		136			136		136
2					156		156
					196		196
					246		246



Z021

Standards Parts Z



Mat.: $\approx 1.1730 / 690 + 70 \text{ HV } 30 \approx \text{DIN } 16716 - \text{C}$

Z021	k1	d4	d3	d1	L1	L2	Nr./No.
	3	36	30	16	30	56	Z021 / 56 x 16
						66	66
						76	76
					40	86	86
					50	96	96
					60	116	116

Z021	k1	d4	d3	d1	L1	L2	Nr./No.
	3	41	35	20	30	56	Z021 / 56 x 20
						66	66
						76	76
					40	86	86
					50	96	96
					60	116	116
					70	136	136

Z021	k1	d4	d3	d1	L1	L2	Nr./No.
	3	46	40	24	30	56	Z021 / 56 x 24
					40	66	66
						76	76
						86	86
					50	96	96
					60	116	116
					70	136	136
					80	156	156

Z021	k1	d4	d3	d1	L1	L2	Nr./No.
	3	46	40	25	30	56	Z021 / 56 x 25
					40	66	66
						76	76
						86	86
					50	96	96
					60	116	116
					70	136	136
					80	156	156

Z021	k1	d4	d3	d1	L1	L2	Nr./No.
	3	51	45	30	30	56	Z021 / 56 x 30
						66	66
					40	76	76
						86	86
					50	96	96
					60	116	116
					70	136	136
					80	156	156
					90	176	176
					100	196	196

Z021	k1	d4	d3	d1	L1	L2	Nr./No.
	3	61	55	40	30	56	Z021 / 56 x 40
						66	66
					40	76	76
						86	86
						96	96
					50	116	116
						136	136
					60	156	156
						176	176
					70	196	196
						216	216
					80	236	236
					90	246	246

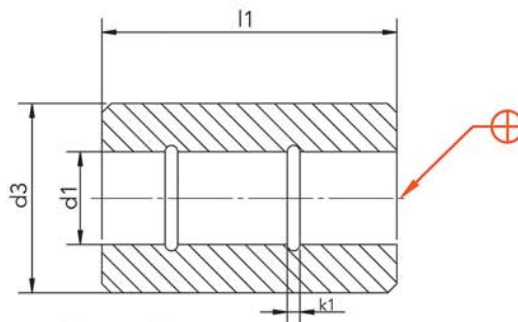
Z021	k1	d4	d3	d1	L1	L2	Nr./No.
	3	71	65	50	30	56	Z021 / 56 x 50
						66	66
						76	76
					40	86	86
						96	96
					50	116	116
						136	136
					60	156	156
						176	176
					70	196	196
						216	216
					80	236	236
					90	246	246

Z021	k1	d4	d3	d1	L1	L2	Nr./No.
	3	81	75	60	40	96	Z021 / 96 x 60
					50	116	116
						136	136
					60	156	156
					70	176	176
					80	196	196
					90	216	216
					100	236	236
					110	246	246



Z022

Standards Parts Z



Mat.: $\approx 1.1730 / 690 + 70 \text{ HV } 30 \approx \text{DIN } 16716 - \text{C}$

k1	d3	d1	L1	Nr./No.
3	26	16	12	Z022 / 12 x 16
			17	17
			22	22
			27	27
			36	36
			46	46
			56	56
			66	66
			76	76
			86	86
			96	96
			116	116

k1	d3	d1	L1	Nr./No.
3	30	20	12	Z022 / 12 x 20
			17	17
			22	22
			27	27
			36	36
			46	46
			56	56
			66	66
			76	76
			86	86
			96	96
			116	116

k1	d3	d1	L1	Nr./No.
3	35	24	17	Z022 / 17 x 24
			22	22
			27	27
			36	36
			46	46
			56	56
			66	66
			76	76
			86	86
			96	96
			116	116
			136	136
			156	156

k1	d3	d1	L1	Nr./No.
3	35	25	17	Z022 / 17 x 25
			22	22
			27	27
			36	36
			46	46
			56	56
			66	66
			76	76
			86	86
			96	96
			116	116
			136	136
			156	156

k1	d3	d1	L1	Nr./No.
3	40	30	22	Z022 / 22 x 30
			27	27
			36	36
			46	46
			56	56
			66	66
			76	76
			86	86
			96	96
			116	116
			136	136
			156	156
			176	176
			196	196

k1	d3	d1	L1	Nr./No.
3	50	40	36	Z022 / 36 x 40
			46	46
			56	56
			66	66
			76	76
			86	86
			96	96
			116	116
			136	136
			156	156
			176	176
			196	196

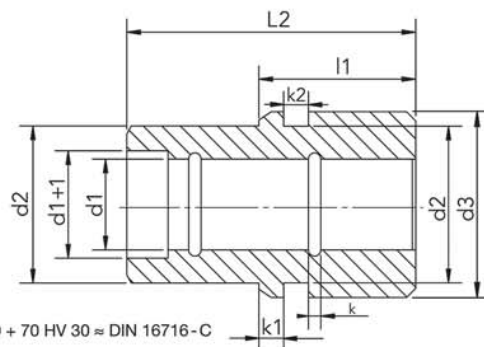
k1	d3	d1	L1	Nr./No.
3	70	50	55	Z022 / 55 x 50
			66	66
			76	76
			86	86
			96	96
			116	116
			136	136
			156	156
			176	176
			196	196
			236	236
			246	246

k1	d3	d1	L1	Nr./No.
3	80	60	96	Z022 / 96 x 60
			116	116
			136	136
			156	156
			176	176
			196	196
			236	236
			246	246



Z032

Standards Parts Z



Mat.: $\approx 1.1730 / 690 + 70 \text{ HV } 30 \approx \text{DIN } 16716\text{-C}$

k	k1	k2	d3	d2	d1	L1	L2	Nr./No.
3	6	6	36	30	16	30	56	Z032 / 56 x 16
							66	66
							76	76
						40	86	86
						50	96	96
						60	116	116

k	k1	k2	d3	d2	d1	L1	L2	Nr./No.
3	6	6	41	35	20	30	56	Z032 / 56 x 20
							66	66
							76	76
						40	86	86
						50	96	96
						60	116	116
						70	136	136

k	k1	k2	d3	d2	d1	L1	L2	Nr./No.
3	6	6	46	40	24	30	56	Z032 / 56 x 24
						40	66	66
							76	76
							86	86
						50	96	96
						60	116	116
						70	136	136
						80	156	156

k	k1	k2	d3	d2	d1	L1	L2	Nr./No.
3	6	6	46	40	25	30	56	Z032 / 56 x 25
						40	66	66
							76	76
							86	86
						50	96	96
						60	116	116
						70	136	136
						80	156	156

k	k1	k2	d3	d2	d1	L1	L2	Nr./No.
3	6	6	51	45	30	30	56	Z032 / 56 x 30
						40	66	66
							76	76
							86	86
						50	96	96
						60	116	116
						70	136	136
						80	156	156
						90	176	176
						100	196	196

k	k1	k2	d3	d2	d1	L1	L2	Nr./No.
3	6	6	61	55	40	30	56	Z032 / 56 x 40
							66	66
						40	76	76
							86	86
							96	96
						50	116	116
							136	136
						60	156	156
							176	176
						70	196	196
							216	216
						80	236	236

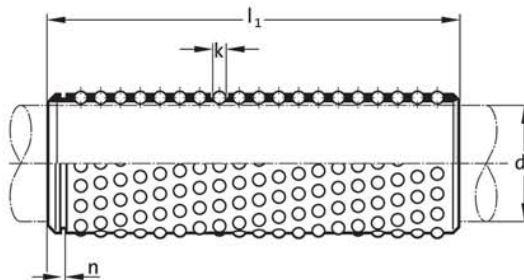
k	k1	k2	d3	d2	d1	L1	L2	Nr./No.
3	6	6	71	65	50	30	56	Z032 / 56 x 50
							66	66
							76	76
						40	86	86
							96	96
						50	116	116
							136	136
						60	156	156
							176	176
						70	196	196
							216	216
						80	236	236
						90	246	246

k	k1	k2	d3	d2	d1	L1	L2	Nr./No.
3	6	6	81	75	60	40	96	Z032 / 96 x 60
						50	116	116
							136	136
						60	156	156
						70	176	176
						80	196	196
						90	216	216
						100	236	236
						110	246	246



Z1201

Standards Parts Z



size	d	l1	k	n	Nr./No.
19 x 45	19	45	3	2.9	Z1201 / 19 x 45
19 x 50		50			50
19 x 56		56			56
19 x 63		63			63
19 x 71		71			71
19 x 80		80			80
19 x 95		95			95

size	d	l1	k	n	Nr./No.
20 x 45	20	45	3	2.9	Z1201 / 20 x 45
20 x 50		50			50
20 x 56		56			56
20 x 63		63			63
20 x 71		71			71
20 x 80		80			80
20 x 95		95			95

size	d	l1	k	n	Nr./No.
24 x 40	24	40	3	3.2	Z1201 / 24 x 40
24 x 45		45			45
24 x 50		50			50
24 x 56		56			56
24 x 63		63			63
24 x 71		71			71
24 x 80		80			80
24 x 95		95			95
24 x 105		105			105
24 x 120		120			120

size	d	l1	k	n	Nr./No.
25 x 40	25	40	3	3.2	Z1201 / 25 x 40
25 x 45		45			45
25 x 50		50			50
25 x 56		56			56
25 x 63		63			63
25 x 71		71			71
25 x 80		80			80
25 x 95		95			95
25 x 105		105			105
25 x 120		120			120

size	d	l1	k	n	Nr./No.
30 x 40	30	40	4	3.95	Z1201 / 30 x 40
30 x 45		45			45
30 x 50		50			50
30 x 56		56			56
30 x 63		63			63
30 x 80		80			80
30 x 95		95			95
30 x 105		105			105
30 x 120		120			120

size	d	l1	k	n	Nr./No.
32 x 40	32	40	4	3.95	Z1201 / 32 x 40
32 x 45		45			45
32 x 50		50			50
32 x 56		56			56
32 x 63		63			63
32 x 80		80			80
32 x 95		95			95
32 x 105		105			105
32 x 120		120			120

size	d	l1	k	n	Nr./No.
38 x 45	38	45	4	3.95	Z1201 / 38 x 45
38 x 50		50			50
38 x 56		56			56
38 x 63		63			63
38 x 71		71			71
38 x 80		80			80
38 x 95		95			95
38 x 105		105			105
38 x 120		120			120
38 x 160		160			160

size	d	l1	k	n	Nr./No.
40 x 45	40	45	4	3.95	Z1201 / 40 x 45
40 x 50		50			50
40 x 56		56			56
40 x 63		63			63
40 x 71		71			71
40 x 80		80			80
40 x 95		95			95
40 x 105		105			105
40 x 120		120			120
40 x 160		160			160

size	d	l1	k	n	Nr./No.
48 x 63	48	63	4	4.25	Z1201 / 48 x 45
48 x 71		71			71
48 x 80		80			80
48 x 95		95			95
48 x 105		105			105
48 x 120		120			120
48 x 140		140			140
48 x 160		160			160

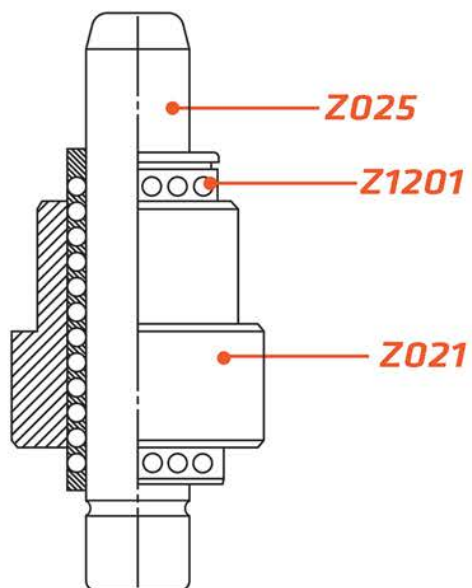
size	d	l1	k	n	Nr./No.
50 x 63	50	63	4	4.25	Z1201 / 50 x 45
50 x 71		71			71
50 x 80		80			80
50 x 95		95			95
50 x 105		105			105
50 x 120		120			120
50 x 140		140			140
50 x 160		160			160

size	d	l1	k	n	Nr./No.
60 x 95	60	95	4	4.25	Z1201 / 60 x 95
60 x 105		105			105
60 x 120		120			120
60 x 140		140			140
60 x 160		160			160
60 x 180		180			180
60 x 200		200			200

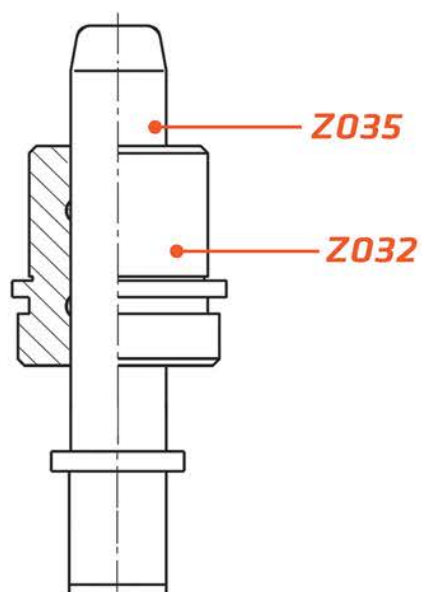
size	d	l1	k	n	Nr./No.
63 x 95	63	95	4	4.25	Z1201 / 63 x 95
63 x 105		105			105
63 x 120		120			120
63 x 140		140			140
63 x 160		160			160
63 x 180		180			180
63 x 200		200			200



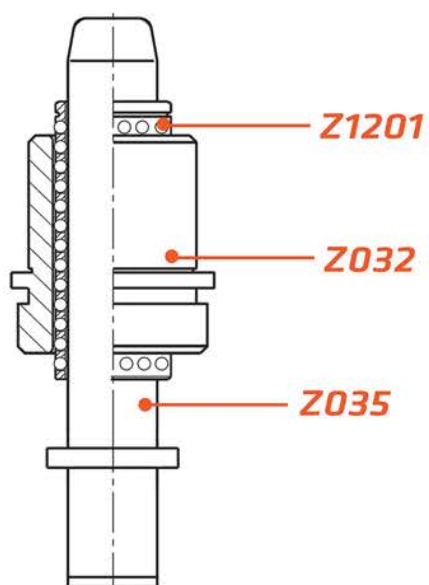
Z01003



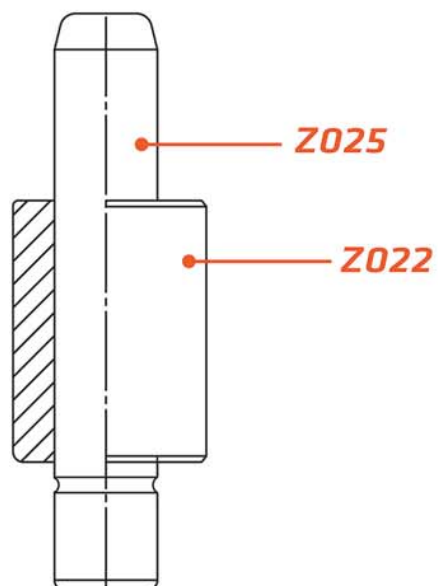
Z0130



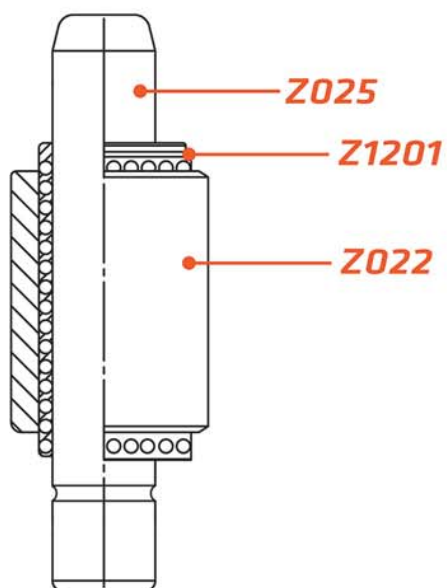
Z01004



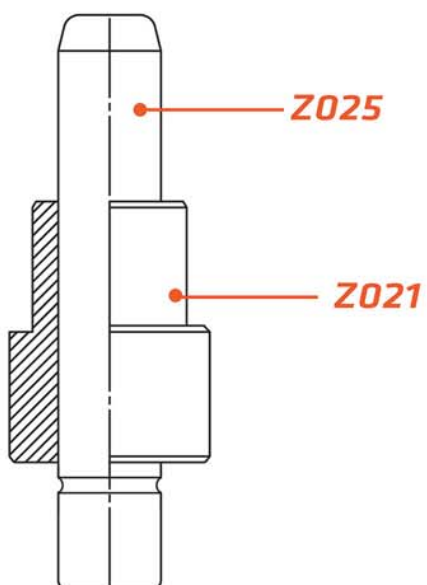
Z0122



Z01002



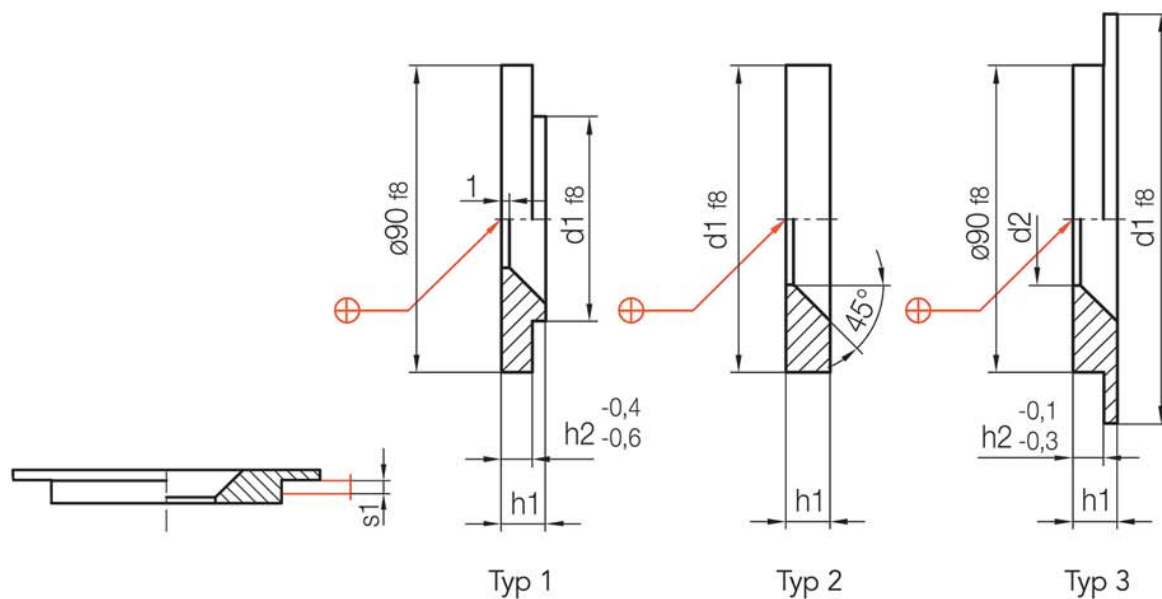
Z0121





Z7510

Locating ring



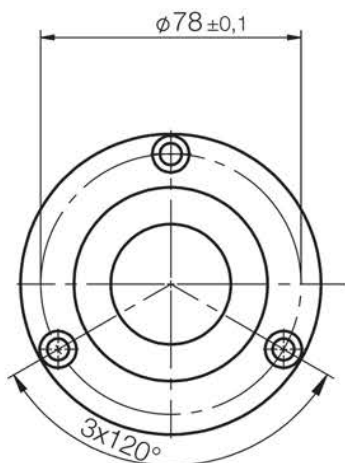
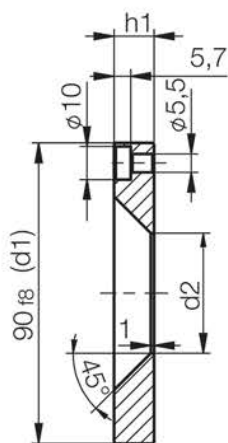
Typ	h2	s1	d2	d1	h1	Nr./No.
Z7510	1	4	-	36	60	8 Z7510 / 60 x 8
		7	3	26		11 60 x 11
		9	5			13 60 x 13
		4	-	36	80	8 Z7510 / 80 x 8
		7	3	26		11 80 x 11
		9	5			13 80 x 13
	2	-	-	36	90	8 Z7510 / 90 x 8
			3			11 90 x 11
			-			12 90 x 12
			5			13 90 x 13
			7			15 90 x 15
			8.5			16.5 90 x 16.5
	3	4	-	36	100	8 Z7510 / 100 x 8
		7	3			11 100 x 11
		4	-			12 100 x 12
		9	5			13 100 x 13
		11	7			15 100 x 15
		12.5	8.5			16.5 100 x 16.5
	3	4	-	36	110	8 Z7510 / 110 x 8
		7	3			11 110 x 11
		4	-			12 110 x 12
		9	5			13 110 x 13
		11	7			15 110 x 15
		12.5	8.5			16.5 110 x 16.5
	3	4	-	36	120	8 Z7510 / 120 x 8
		7	3			11 120 x 11
		4	-			12 120 x 12
		9	5			13 120 x 13
		11	7			15 120 x 15
		12.5	8.5			16.5 120 x 16.5

Typ	h2	s1	d2	d1	h1	Nr./No.
Z7510	3	4	-	36	125	8 Z7510 / 125 x 8
		7	3			11 125 x 11
		4	-			12 125 x 12
		9	5			13 125 x 13
		11	7			15 125 x 15
		12.5	8.5			16.5 125 x 16.5
	3	4	-	36	130	12 Z7510 / 130 x 12
	3	4	-	36	140	Z7510 / 140 x 12
	3	4	-	36	150	Z7510 / 150 x 12
	3	4	-	36	160	8 Z7510 / 160 x 8
		7	3			11 160 x 11
		4	-			12 160 x 12
		9	5			13 160 x 13
		11	7			15 160 x 15
		12.5	8.5			16.5 160 x 16.5
	3	4	-	36	175	8 Z7510 / 175 x 8
		7	3			11 175 x 11
		4	-			12 175 x 12
		9	5			13 175 x 13
		11	7			15 175 x 15
		12.5	8.5			16.5 175 x 16.5
	3	4	-	36	180	12 Z7510 / 180 x 12
	3	4	-	36	200	Z7510 / 200 x 12
	3	4	-	36	250	Z7510 / 250 x 12

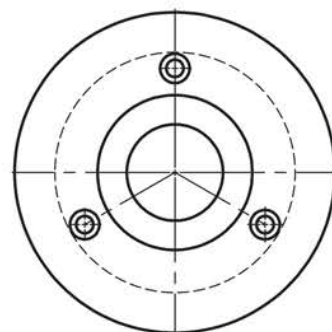
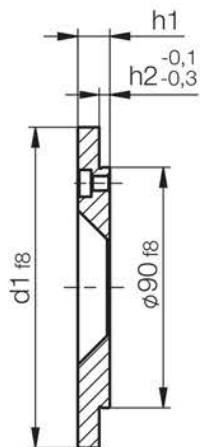


Z7515

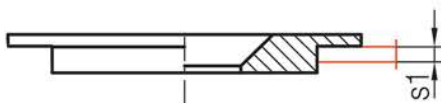
Locating ring



Typ 2



Typ 3



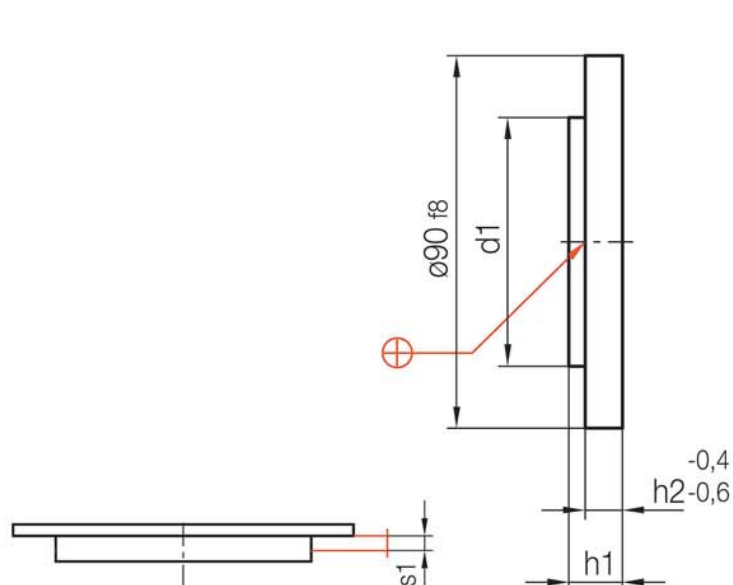
Typ	h2	s1	d2	d1	h1	Nr./No.
Z7515	2	-	3	36	90	Z7515 / 90 x 11
						90 x 12
						90 x 13
						90 x 15
	3	7	3	100	11	Z7515 / 100 x 11
		4	-		12	100 x 12
		9	5		13	100 x 13
		11	7		15	100 x 15
		12.5	8.5	110	16.5	100 x 16.5
		7	3		11	Z7515 / 110 x 11
		4	-		12	110 x 12
		11	7		15	110 x 15
		12.5	8.5		16.5	110 x 16.5
	4	-	3	120	12	Z7515 / 120 x 12
					13	120 x 13
					15	120 x 15
					16.5	120 x 16.5

Typ	h2	s1	d2	d1	h1	Nr./No.
Z7515	3	7	3	36	125	Z7515 / 125 x 11
						125 x 12
						125 x 13
						125 x 15
	4	-	3	36	125	125 x 16.5
						125 x 12
						125 x 13
						125 x 15
		8.5	8.5	36	125	125 x 16.5
						125 x 12
						125 x 13
						125 x 15
	11	7	7	36	125	125 x 16.5
						125 x 12
						125 x 13
						125 x 15
	12.5	8.5	8.5	36	125	125 x 16.5
						125 x 12
						125 x 13
						125 x 15

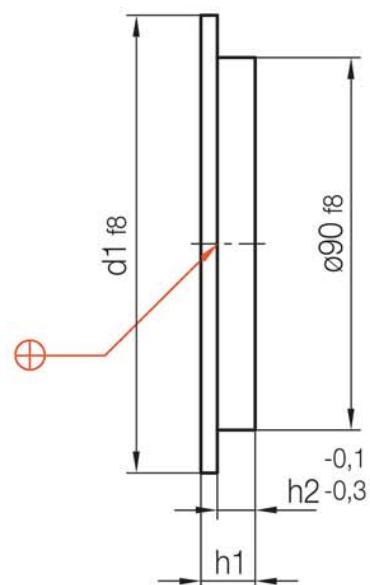


Z7520

Locating ring



Typ 1



Typ 3

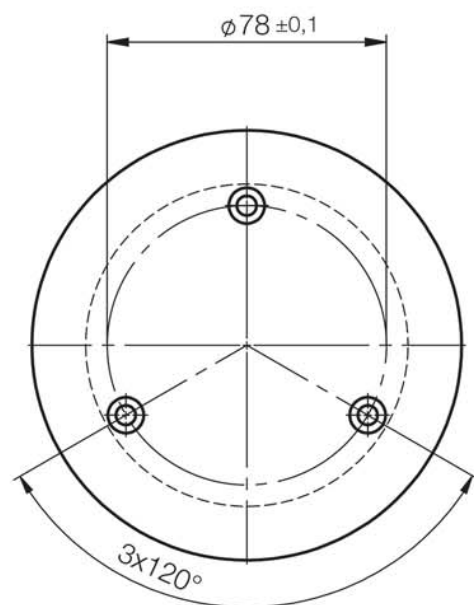
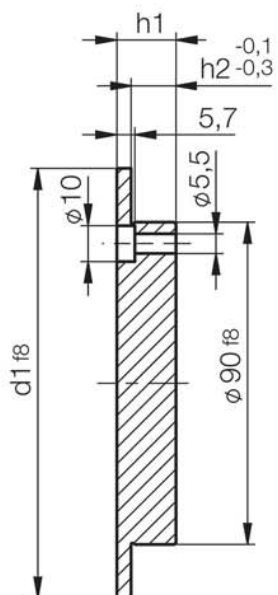
Typ	h2	s1	d1	h1	Nr./No.
1	4	-	60	8	Z7520/ 60 x 8
	7	3		11	60 x 11
	9	5		13	60 x 13
	4	-	80	8	Z7520/ 80 x 8
	7	3		11	80 x 11
	9	5		13	80 x 13
3	4	-	100	8	Z7520/ 100 x 8
	7	3		11	100 x 11
	4	-		12	100 x 12
	9	5		13	100 x 13
	11	7		15	100 x 15
	12.5	8.5		16.5	100 x 16.5
	4	-	110	8	Z7520/ 110 x 8
	7	3		11	110 x 11
	4	-		12	110 x 12
	9	5		13	110 x 13
	11	7		15	110 x 15
	12.5	8.5		16.5	110 x 16.5
	4	-	120	8	Z7520/ 120 x 8
	7	3		11	120 x 11
	4	-		12	120 x 12
	9	5		13	120 x 13
	11	7		15	120 x 15
	12.5	8.5		16.5	120 x 16.5

Typ	h2	s1	d1	h1	Nr./No.
3	4	-	125	8	Z7520/ 125 x 8
	7	3		11	125 x 11
	4	-		12	125 x 12
	9	5		13	125 x 13
	11	7		15	125 x 15
	12.5	8.5		16.5	125 x 16.5
	4	-	140	8	Z7520/ 140 x 8
					Z7520/ 150 x 8
					Z7520/ 160 x 8
	7	3		11	160 x 11
	4	-		12	160 x 12
	9	5		13	160 x 13
	11	7		15	160 x 15
	12.5	8.5		16.5	160 x 16.5
	4	-	175	8	Z7520/ 175 x 8
	7	3		11	175 x 11
	4	-		12	175 x 12
	9	5		13	175 x 13
	11	7		15	175 x 15
	12.5	8.5		16.5	175 x 16.5
	4	-	200	12	Z7520/ 200 x 12
					Z7520/ 250 x 12

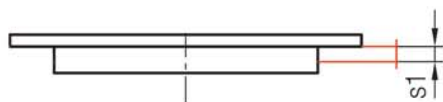


Z7525

Locating ring



Typ 3



Z7525

Typ	h2	s1	d1	h1	Nr./No.
3	4	-	100	8	Z7525/ 100 x 8
				12	100 x 12
	9	5		13	100 x 13
	11	7		15	100 x 15
	12.5	8.5		16.5	100 x 16.5
	4	-	110	8	Z7525/ 110 x 8
	7	3		11	110 x 11
	4	-		12	110 x 12
	9	5		13	110 x 13
	11	7		15	110 x 15
	12.5	8.5		16.5	110 x 16.5
	9	5	120	13	Z7525/ 120 x 13
	11	7		15	120 x 15
	12.5	8.5		16.5	120 x 16.5

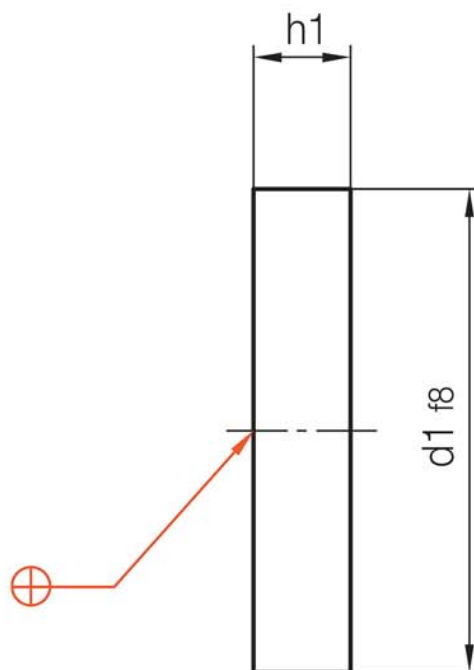
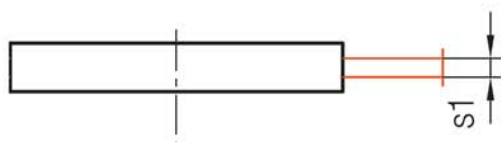
Z7525

Typ	h2	s1	d1	h1	Nr./No.
3	4	-	125	8	Z7525/ 125 x 8
	7	3		11	125 x 11
	4	-		12	125 x 12
	9	5		13	125 x 13
	11	7		15	125 x 15
	12.5	8.5		16.5	125 x 16.5
	4	-	160	8	Z7525/ 160 x 8
	7	3		11	160 x 11
	4	-		12	160 x 12
	9	5		13	160 x 13
	11	7		15	160 x 15
	12.5	8.5		16.5	160 x 16.5
	4	-	175	8	Z7525/ 175 x 8
				12	175 x 12
	12.5	8.5		16.5	175 x 16.5
	4	-	200	12	Z7525/ 200 x 12



Z7530

Locating ring



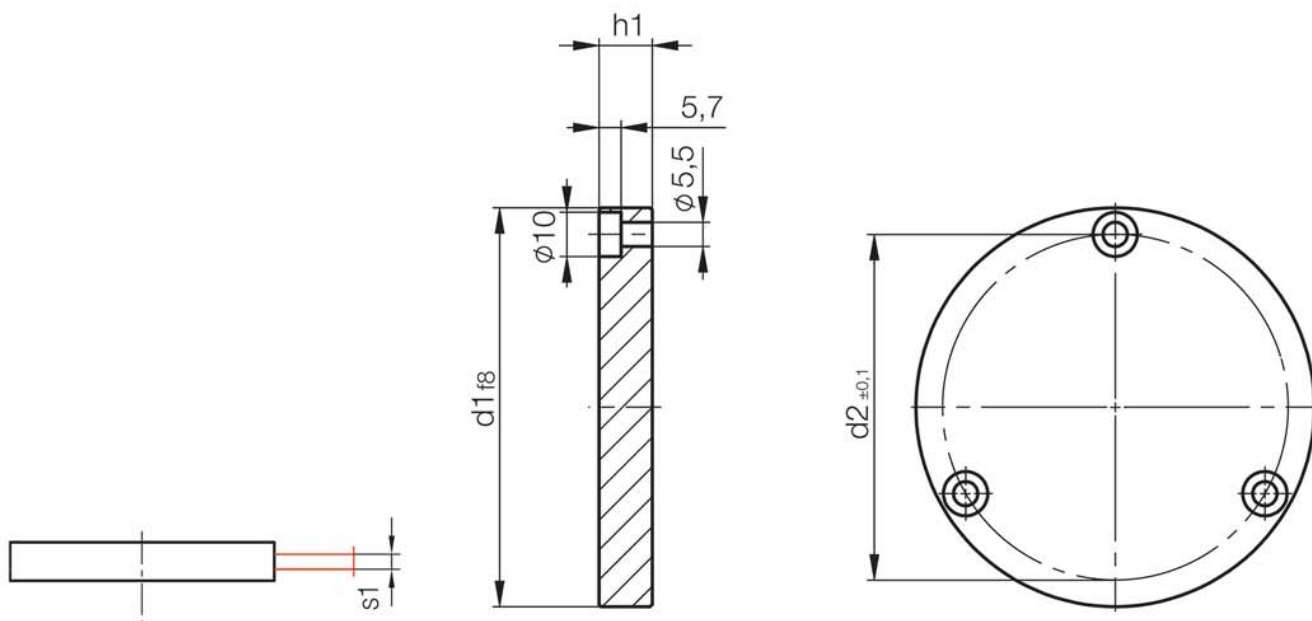
Z7530	s1	d1	h1	Nr./No.
	-	40	6	Z7530/ 40 x 6
	3		9	40 x 9
	-	60	8	Z7530/ 60 x 8
	3		11	60 x 11
	5		13	60 x 13
	-	80	8	Z7530/ 80 x 8
	3		11	80 x 11
	5		13	80 x 13
	-	90	8	Z7530/ 90 x 8
	3		11	90 x 11
	-		12	90 x 12
	5		13	90 x 13
	7		15	90 x 15
	8.5		16.5	90 x 16.5
	-	100	8	Z7530/ 100 x 8
			12	100 x 12

Z7530	s1	d1	h1	Nr./No.
	-	110	8	Z7530/ 110 x 8
			12	110 x 12
		120	8	Z7530/ 120 x 8
			12	120 x 12
		125	8	Z7530/ 125 x 8
			12	125 x 12
		130		Z7530/ 130 x 12
		140		Z7530/ 140 x 12
		150	8	Z7530/ 150 x 8
			12	150 x 12
		160	8	Z7530/ 160 x 8
			12	160 x 12
		175	8	Z7530/ 175 x 8
			12	175 x 12
		200	8	Z7530/ 200 x 8
			12	200 x 12
		250		Z7530/ 250 x 12



Z7535

Locating ring



s1	d2	d1	h1	Nr./No.
-	48	60	8	Z7535/ 60 x 8
3			11	60 x 11
5			13	60 x 13
-	68	80	8	Z7535/ 80 x 8
3			11	80 x 11
5			13	80 x 13
-	78	90	8	Z7535/ 90 x 8
3			11	90 x 11
-			12	90 x 12
5			13	90 x 13
7			15	90 x 15
8.5			16.5	90 x 16.5
-	82	100	8	Z7535/ 100 x 8
			12	100 x 12
		110	8	Z7535/ 110 x 8
			12	110 x 12

s1	d2	d1	h1	Nr./No.
Z7535	104	120	8	Z7535/ 120 x 8
			12	120 x 12
		125	8	Z7535/ 125 x 8
			12	125 x 12
	109	130		Z7535/ 130 x 12
	119	140		140 x 12
	144	160	8	Z7535/ 160 x 8
			12	160 x 12
		175	8	Z7535/ 175 x 8
			12	175 x 12
		200	8	Z7535/ 200 x 8
			12	200 x 12
	194	250		Z7535/ 250 x 12

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