La TVMP realizza portastampi con centri di lavoro a controllo numerico, garantendo precisione nelle forature, con tolleranze che permettono l'intercambiabilità delle piastre.

All'interno del catalogo viene riportata la tabella delle tolleranze.

Il catalogo è suddiviso in 4 paragrafi :
1. piastre normalizzate e rettificate (Y, K, M)
2. portastampi montati tipo X e XE
3. portastampi montati tipo H e HE
4. accessori

Nel catalogo vengono indicati il tipo di acciaio di tutti gli accessori illustrati e la durezza ottenuta tramite trattamento di tempra, nitrurazione o cementazione.

Nei portastampi circolari le piastre sono rettificate sui piani , mentre esternamente il loro grado di finitura è pari a 3,2 Ra.

Materiali utilizzati per la costruzione delle piastre standard

- 1.1730 acciaio al carbonio
Carico unitario max. di rottura a trazione: R*=57÷77 kg/mm^2

C	Si	Mn	S	P
0,45	0,3	0,7	Max.0,035	Max 0.035

- 1.2738 acciaio legato al Cr,Ni e Mo, bonificato
Carico unitario max. di rottura a trazione: R*=100÷110 kg/mm^2

C	Si	Mn	Cr	Ni	Mo	S
0,37	0,3	1,4	2	1	0,2	<0,008

L'acciaio con codice 2738 (IMPAX) possiede ottima lucidabilità, fotoincidibilità, ridotto contenuto di zolfo ed è controllato agli ultrasuoni.

- 1.2316 acciaio inossidabile, legato al Cr, bonificato
Carico unitario max. di rottura a trazione: R*=110÷120 kg/mm^2

C	Si	Mn	S	Cr
0,33	0,35	1,35	0,12	16,7

L'acciaio con codice 2316 (RAMAX) è particolarmente indicato quando si vogliono ridurre i costi di manutenzione perché grazie alla sua inossidabilità previene/combatte l'ossidazione dei canali di raffreddamento, mantenendo inalterata anche l'efficacia termica.

A richiesta realizziamo portastampi con acciai speciali.

Per ragioni di ordine commerciale la descrizione del materiale che appare sui documenti di spedizione sarà siglata

- C45 anziché 1730
- P20 anziché 2738

Nell'eventualità che non fosse possibile reperire materiale a misura, il portastampo potrà avere misure inferiori rispetto allo standard riportato sul catalogo, senza tuttavia compromettere la precisione delle forature e l'intercambiabilità delle piastre.

Per un ordine chiaro e semplice vi preghiamo di riportare la sigla del prodotto, le dimensioni ed il tipo di materiale richiesto.

TVMP produces mould holders with CNC machining centers that guarantee the precision of the drillings' center lines and of the diameters, with tolerances that allow for the interchangeability of the plates. The table of the tolerances can be found in the catalogue.

The catalogue has 4 parts as follows:
1. Standardized, grinded plates (Y-K-M)
2. Assembled mould holders (X-XE)
3. Assembled mould holders (K-KE)
4. Accessories

For each accessory, the catalogue indicates the specific type of steel used and the hardness achieved from hardening, nitriding or cementation.
In the circular mould holders the plates are grinded on the level, while sideways their level of roughness is equal to Ra 3,2.

The material used for the manufacturing of standard plates are:

- 1.1730 carbon steel
Max. ultimate tensile strengh per unit : R*=57÷77 kg/mm^2

C	Si	Mn	S	P
0,45	0,3	0,7	Max.0,035	Max 0.035

- 1.2738 hardened and tempered, chrome-nickel-molybdenum steel
Max. ultimate tensile strengh per unit : R*=100÷110 kg/mm^2

C	Si	Mn	Cr	Ni	Mo	S
0,37	0,3	1,4	2	1	0,2	<0,008

The steel ,code 2738 (Impax)), has excellent shining and photoengraving qualities, low sulphur content and it is checked using ultrasounds.

- 1.2316 – stainless, hardened and tempered, chrome- steel
Max. ultimate tensile strengh per unit : R*= 110÷120 kg/mm^2

C	Si	Mn	S	Cr
0,33	0,35	1,35	0,12	16,7

The steel, code 2316 (Ramax)), is especially suitable to the reductions of maintenance costs because thanks to its stainlessness it prevents from/combats the oxidation in cooling pipes also keeping unchanged the thermal effectiveness.

Upon request, TVMP can produce mould holders using special steels.

Due to commercial reasons, the codes appearing on the shipping documents will be:

- C45 rather than 1.1730
- P20 rather than 1.2738

In case the material is not readly available in the right size, the dimensions of the mould holder could be lower than the standard ones reported in the catalogue.However, this does not compromise the precision of the drillings and the interchangeability of the plates.

For a simple and exact order we kindly ask you to indicate the name of the product, its size and the type of steel selected.

TVMP réalise des porte-moules avec des centres d'usinage à commande numérique qui garantissent la précision des diamètres et des entre-axes de perçage. TVMP applique des tolérances qui permettent l'interchangeabilité des plaques (le tableau des tolérances figure dans le catalogue).

Le catalogue comprend 4 parties:

1. Plaques normalisées - rectifiées (références Y, K et M)
2. Porte-moules assemblés (types X et XE)
3. Porte-moules assemblés (types K et KE)
4. Accessoires/équipements

Les nuances d'acier utilisées pour tous les éléments ainsi que la dureté obtenue après traitement (trempe, nitruration ou cémentation) sont indiquées dans le catalogue. Dans les porte-moules circulaires, les faces des plaques sont rectifiées, les chants ont un Ra de 3,2.

Aciers utilisés pour la réalisation des plaques standards:

- 1.1730 : acier au carbone ayant une résistance à la traction
R = 57÷77 kg/mm^2

C	Si	Mn	S	P
0,45	0,3	0,7	Max.0,035	Max 0.035

- 1.2738 : acier allié prétraité ayant une résistance à la traction
R = 100÷110 kg/mm^2

C	Si	Mn	Cr	Ni	Mo	S
0,37	0,3	1,4	2	1	0,2	<0,008

L'acier 1.2738 (Impax) présente une remarquable aptitude au polissage et au grenage chimique. Il contient un taux de soufre réduit et contrôlé par ultrasons.

- 1.2316 : acier inoxydable prétraité allié ayant une résistance à la traction
R = 110÷120 kg/mm^2

C	Si	Mn	S	Cr
0,33	0,35	1,35	0,12	16,7

L'acier avec le code 2316 (Ramax)) est particulièrement indiqué pour la réduction de frais d'entretiens parce que grâce à sa propriété inoxydable il prévient / combat l'oxydation dans les canaux de refroidissement et il maintien inaltéré aussi l'efficacité thermique.

Nous réalisons des porte-moules avec d'autres nuances d'aciers spéciaux sur demande.

Nos appellations commerciales qui figurent sur nos documents sont les suivantes:

- C 45 pour la nuance 1.1730
- P 20 pour la nuance 1.2738

Pour des raisons de disponibilité des aciers, les dimensions réelles des porte-moules peuvent être légèrement inférieures aux dimensions standards indiquées dans le catalogue, mais la précision des perçage et l'interchangeabilité des plaques restent garanties. Pour faciliter vos commandes, nous vous prions d'indiquer la référence du produit, les dimensions ainsi que la nuance d'acier que vous souhaitez.

TVMP produce portamoldes con centros de trabajo a control numérico, asegurando la precisión en la distancia entre ejes de los taladrados y en los diámetros, con tolerancias que permiten la intercambiabilidad de las placas. En el catálogo está presentada la table de las tolerancias.

El catálogo se divide en 4 partes:
1. Placas normalizadas rectificadas (Y-K-M)
2. Portamoldes montados de tipo X y XE
3. Portamoldes montados de tipo K y KE
4. Accesorios

En el catálogo se indican el tipo de acero de todos los accesorios ilustrados y la dureza obtenida por endurecimiento, nitruración y cementación.
En el portamolde circulares las placas están rectificadas sobre planos, mientras su grado de rugosidad lateral es de 3,2 Ra.

Materiales utilizados para la construcción de las placas estándar:

- 1.1730 Acero al carbono
Carga unitaria max. de ruptura a la tracción: R*57÷77 kg/mm^2

C	Si	Mn	S	P
0,45	0,3	0,7	Max.0,035	Max 0.035

- 1.2738 Acero aleado (Cr-Ni-Mo), templado y recocido
Carga unitaria max. de ruptura a la tracción: R*=100÷110 kg/mm^2

C	Si	Mn	Cr	Ni	Mo	S
0,37	0,3	1,4	2	1	0,2	<0,008

El acero con código 2738 (Impax) puede ser pulido y fotograbado óptimamente, contiene poco azufre y es controlado a ultrasonidos.

- 1.2316 – Acero inoxidable,aleado (Cr), templado y recocido
Carga unitaria max. de ruptura a la tracción : R*=110÷120 kg/mm^2

C	Si	Mn	S	Cr
0,33	0,35	1,35	0,12	16,7

El acero que tiene el código 1730 (Ramax)) está especialmente indicado cuándo se necesitan reducir los costes de manutención ya que gracias a su inoxidabilidad ayuda a prevenir y a combatir la oxidación que se forma en los canales de refrigeración y al mismo tiempo mantiene inalterada incluso la eficacia térmica.
Bajo pedido realizamos portamoldes con aceros especiales.

Por razones comerciales la descripción del material que se encuentra sobre los documentos de expedición tendrá la sigla:

-C 45 en vez de 1.1730
-P 20 en vez de 1.2738

Si no fuera posible encontrar el material de medidas adecuadas, el portamolde podrá tener medidas inferiores que las estándares mencionadas en el catálogo, sin embargo sin perjudicar ni la precisión de los taladrados ni la intercambiabilidad de las placas. Para efectuar una orden clara y simple, Les rogamos que indiquen la sigla del producto, las medidas y el tipo de material requerido.

TVMP stellt Formhalter mit NC-Bearbeitungszentren her, welche die Genauigkeit der Bohrachsenabstände und der Durchmesser und Plattenwechselbarkeit erlaubende Toleranzen garantieren. Im Katalog werden Sie die Toleranztabelle finden.

Der Katalog ist in vier Abschnitten gegliedert:
1. Normalisierte, geschleifte Platten (Y-K-M)
2. Montierte X und XE Formhalter
3. Montierte K und KE Formhalter
4. Zubehör

Im Katalog werden der Stahltyp des ganzen dargestellten Zubehörs und die durch Härtung, Nietrierhärtung und Zementierung erhaltene Härte angegeben.
Im runden Formhalter werden die Platten auf Ebenen geschleift, während ihr seitlicher Rauheitsgrad 3,2 Ra beträgt.

Materialien zur Herstellung der Standardplatten:

- 1.1730 Kohlenstahl
Einheitliche max. Bruchlast unter Spannung : R*= 57÷77 kg/mm^2

C	Si	Mn	S	P
0,45	0,3	0,7	Max.0,035	Max 0.035

- 1.2738 Vergüteter, legierter Stahl
Einheitliche max. Bruchlast unter Spannung : R*=100÷110 kg/mm^2

C	Si	Mn	Cr	Ni	Mo	S
0,37	0,3	1,4	2	1	0,2	<0,008

Der Stahl mit Code 2738 (Impax) kann sehr gut poliert und fotograviert werden, enthält wenigen Schwefel und ist Ultraschall-kontrolliert

- 1.2316 – Rostfreier , vergüteter, legierter Stahl
Einheitliche max. Bruchlast unter Spannung : R*=110÷120 kg/mm^2

C	Si	Mn	S	Cr
0,33	0,35	1,35	0,12	16,7

Der Stahl mit dem Code 2316 (Ramax) ist besonders für die Wartungskostensenkung geeignet. Dank seiner rostfreien Eigenschaft kommt er / bekämpft er die Oxidation in den Kühlungskanälen zuvor und hält er auch Wärmeswirkung unverändert.

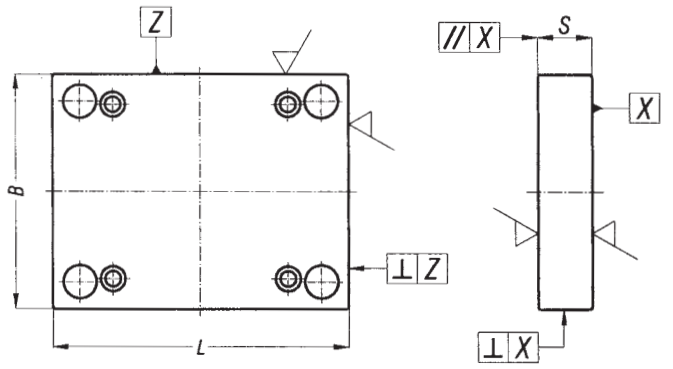
Auf Wunsch stellen wir Formhalter mit Sonderstahltypen her.

Aus Handelsgründen ist die Materialbeschreibung auf den Lieferpapieren durch folgende Coden gekennzeichnet :

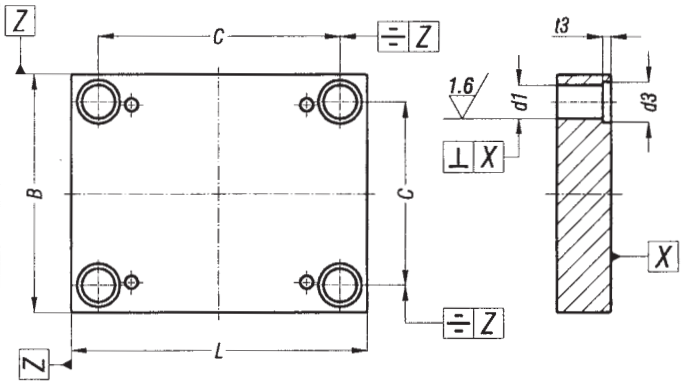
-C 45 statt 1.1730
-P 20 statt 1.2738

Falls es unmöglich ist, das Material mit den notwendigen Abmessungen zu finden, können die Formhalterabmessungen unter dem Katalogstandard sein, ohne daß die Bohrgenauigkeit und die Plattenwechselbarkeit beeinflußt würde. Zweck einem klaren und einfachem Auftrag, bitten wir Sie darum, den Produktcode, die Abmessungen und den erforderten Materialtyp anzugeben.

Tolleranze

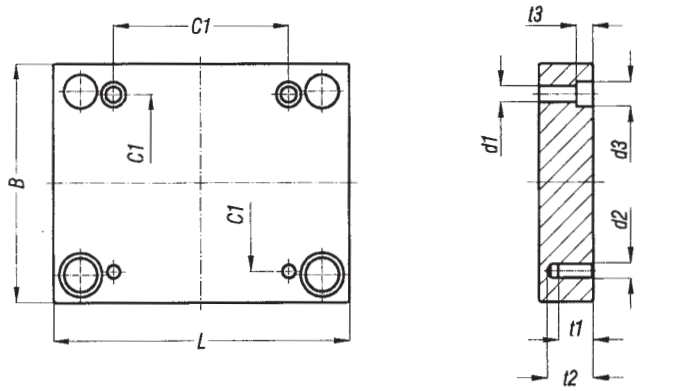


B/L	Y - K....	Y4-M-Y5 Y5/1-K4-M			Y-K....	Y-K....
	+0,10 0	±0,015	// Y	/100	0,006	0,006
S	Materiale	Y - K	⊥ Y	/100	0,04	0,01
	1730	+0,10 0	⊥ Z	/100	0,04	0,01
	2738		⌭		1,0	1,0



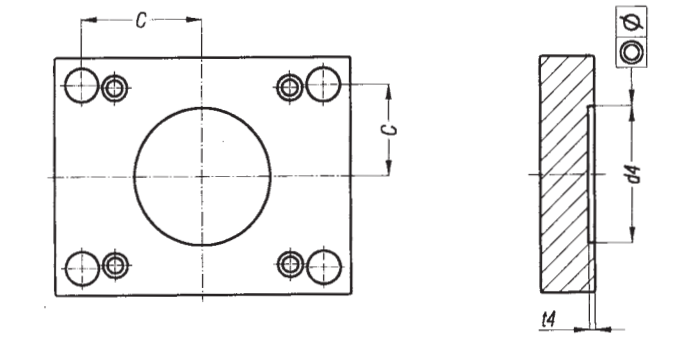
C	B-L	Y - K....	d3		+0,5 0
	≦ 296	±0,006	t3		+0,2 0
	≦ 496	±0,010		B/L	Y-K... Y-K....
	≦ 796	±0,014			
			⊥ Y	/100	0,006

d1	B-L	Y - K....				
	≦ 296	+0,022 0	÷ Z		≦ 296	0,10 0,010
	≦ 496	+0,025 0			≦ 496	0,015
	≦ 796	+0,025 0			≦ 796	0,020



d2	M8	M10	M12	M14	M16	M20
t1(min)	16	23	27	30	33	37
t2(max)	25	29	33	36	40	45
t3	±0,2	±0,2			±0,2	
d1	+0,2 0	+0,2 0			+0,2 0	
d3	+0,2 0	+0,2 0			+0,2 0	

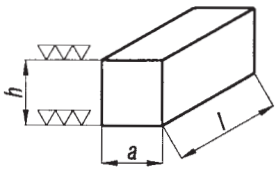
C1	B-L	Y - K....
	≦ 296	±0,1
	≦ 496	±0,1
	≦ 796	±0,1



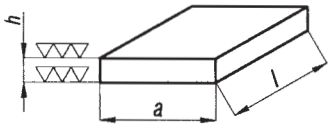
d4	+0,035 0
t4	+0,1 0

◎ Ø	C	
	≦ 200	0,05
	≦ 400	0,05

TUMA



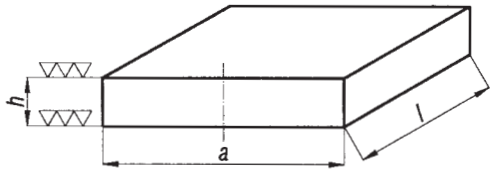
Mat. 1730		h				
a	l	57	77	97	117	
28	156	●	●	●		
	196	●	●	●		
	246	●	●	●	●	
	296	●	●	●	●	
	346	●	●	●	●	
	396	●	●	●	●	
30	156	●	●	●		
	196	●	●	●		
	246	●	●	●		
33	296	●	●	●	●	
	346	●	●	●	●	
	396	●	●	●	●	
	446	●	●	●	●	
	496	●	●	●	●	
38	196	●	●	●		
	246	●	●	●		
	296	●	●	●		
	346	●	●	●		
43	246	●	●	●	●	
	296	●	●	●	●	
	346	●	●	●	●	
	396	●	●	●	●	
48	296	●	●	●	●	
	346	●	●	●	●	
	396	●	●	●	●	
	446	●	●	●	●	
	496	●	●	●	●	
	546	●	●	●	●	
	596	●	●	●	●	
57	496		●	●	●	
	596		●	●	●	
	696		●	●	●	
	796		●	●	●	
69	496		●	●	●	
	596		●	●	●	
	696		●	●	●	
	796		●	●	●	



Mat. 1730		h				
a	l	12	18	22		
92/96	156	●	●			
	196	●	●			
	246	●	●			
116	196	●	●			
	246	●	●			
	296	●	●			
	346	●	●			
156	246	●	●			
	296	●	●			
	346	●	●			
	396	●	●			
196	296	●	●			
	346	●	●			
	396	●	●			
	446	●	●			
246	346		●			
	396		●			
	446		●			
	496		●			
276	396		●			
	446		●			
	496		●			
	546		●			
296	396		●			
	446		●			
	496		●			
	546		●			
326	446		●			
	496		●			
	546		●			
	596		●			
346	446		●			
	496		●	●		
	546		●			
	596		●	●		
	696			●		
446	596			●		
	696			●		
	796			●		

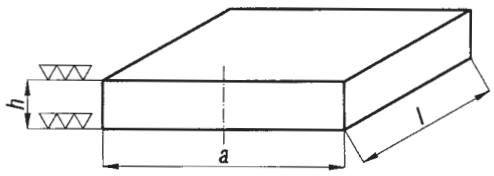
A3/02

TUMI



Mat. 1730		h										
a	l	22	26	36	46	56	66	76	96	116	146	170
156	156	●	●	●	●	●	●	●				
	196	●	●	●	●	●	●	●				
	246	●	●	●	●	●	●	●				
196	196	●	●	●	●	●	●	●	●			
	246	●	●	●	●	●	●	●	●			
	296	●	●	●	●	●	●	●	●			
	346	●	●	●	●	●	●	●	●			
246	246	●	●	●	●	●	●	●	●			
	296	●	●	●	●	●	●	●	●			
	346	●	●	●	●	●	●	●	●			
	396	●	●	●	●	●	●	●	●			
296	296		●	●	●	●	●	●	●	●		
	346		●	●	●	●	●	●	●	●		
	396		●	●	●	●	●	●	●	●		
	446		●	●	●	●	●	●	●	●		
346	346		●	●	●	●	●	●	●	●		
	396		●	●	●	●	●	●	●	●		
	446		●	●	●	●	●	●	●	●		
	496		●	●	●	●	●	●	●	●		
396	396		●	●	●	●	●	●	●	●	●	
	446		●	●	●	●	●	●	●	●	●	
	496		●	●	●	●	●	●	●	●	●	
	546		●	●	●	●	●	●	●	●	●	
446	446		●	●	●	●	●	●	●	●	●	
	496		●	●	●	●	●	●	●	●	●	
	546		●	●	●	●	●	●	●	●	●	
	596		●	●	●	●	●	●	●	●	●	
490	496			●	●	●	●	●	●	●	●	●
	546			●								
	596			●	●	●	●	●	●	●	●	●
	696			●	●	●	●	●	●	●	●	●
540	496			●								
	596			●								
	696			●								
590	596			●	●	●	●	●	●	●	●	●
	696			●	●	●	●	●	●	●	●	●
	796			●	●	●	●	●	●	●	●	●
640	596			●								
	696			●								
	796			●								

TUMI

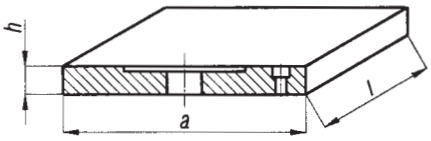


Mat. 2738		h									
a	l	26	36	46	56	66	76	96	116	146	170
156	156	●	●	●	●	●	●				
	196	●	●	●	●	●	●				
	246	●	●	●	●	●	●				
196	196	●	●	●	●	●	●	●			
	246	●	●	●	●	●	●	●			
	296	●	●	●	●	●	●	●			
	346	●	●	●	●	●	●	●			
246	246	●	●	●	●	●	●	●			
	296	●	●	●	●	●	●	●			
	346	●	●	●	●	●	●	●			
	396	●	●	●	●	●	●	●			
296	296		●	●	●	●	●	●	●		
	346		●	●	●	●	●	●	●		
	396		●	●	●	●	●	●	●		
	446		●	●	●	●	●	●	●		
346	346			●	●	●	●	●	●		
	396			●	●	●	●	●	●		
	446			●	●	●	●	●	●		
	496			●	●	●	●	●	●		
396	396			●	●	●	●	●	●	●	
	446			●	●	●	●	●	●	●	
	496			●	●	●	●	●	●	●	
	546			●	●	●	●	●	●	●	
446	446			●	●	●	●	●	●	●	
	496			●	●	●	●	●	●	●	
	546			●	●	●	●	●	●	●	
	596			●	●	●	●	●	●	●	
490	496			●	●	●	●	●	●	●	●
	596			●	●	●	●	●	●	●	●
	696			●	●	●	●	●	●	●	●
590	596			●	●	●	●	●	●	●	●
	696			●	●	●	●	●	●	●	●
	796			●	●	●	●	●	●	●	●

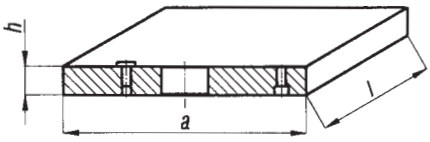
A4/02

TUMI

Y1



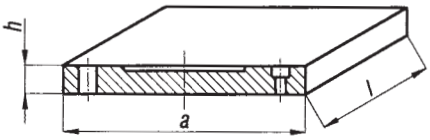
Y2



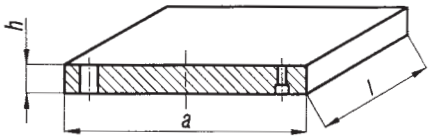
Mat. 1730				h							
				Y1				Y2			
Serie X		a	l	22	26	36		22	26	36	
156	156	196	156	●				●			
	196		196	●				●			
	246		246	●				●			
196	196	246	196	●				●			
	246		246	●				●			
	296		296	●				●			
	346		346	●				●			
246	246	296	246		●				●		
	296		296		●				●		
	346		346		●				●		
	396		396		●				●		
296	296	346	296		●				●		
	346		346		●				●		
	396		396		●				●		
	446		446		●				●		
346	346	396	346		●				●		
	396		396		●				●		
	446		446		●				●		
	496		496		●				●		
396	396	446	396		●				●		
	446		446		●				●		
	496		496		●				●		
	546		546		●				●		
446	446	496	446			●				●	
	496	490	496			●				●	
	546		546			●				●	
	596		596			●				●	
490	496	540	496			●				●	
	596		596			●				●	
	696		696			●				●	
590	596	640	596			●				●	
	696		696			●				●	
	796		796			●				●	

TUMI

K1



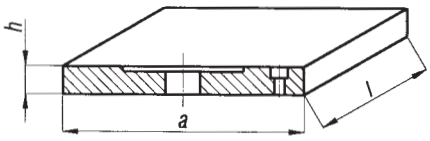
K2



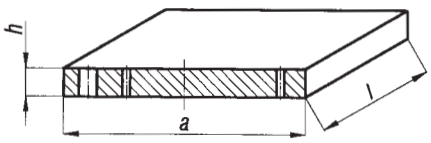
Mat. 1730				h							
				K1				K2			
Serie K		a	l	22	26	36		22	26	36	
156	156	196	156	●				●			
	196		196	●				●			
	246		246	●				●			
196	196	246	196	●				●			
	246		246	●				●			
	296		296	●				●			
	346		346	●				●			
246	246	296	246		●				●		
	296		296		●				●		
	346		346		●				●		
	396		396		●				●		
296	296	346	296		●				●		
	346		346		●				●		
	396		396		●				●		
	446		446		●				●		
346	346	396	346		●				●		
	396		396		●				●		
	446		446		●				●		
	496		496		●				●		
396	396	446	396		●				●		
	446		446		●				●		
	496		496		●				●		
	546		546		●				●		
446	446	496	446			●				●	
	496	490	496			●				●	
	546		546			●				●	
	596		596			●				●	
490	496	540	496			●				●	
	596		596			●				●	
	696		696			●				●	
590	596	640	596			●				●	
	696		696			●				●	
	796		796			●				●	

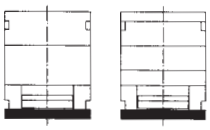
ТУМБА

Y3

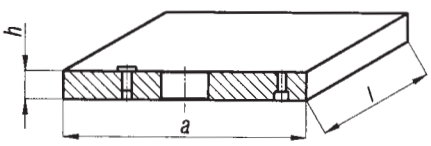


Y6



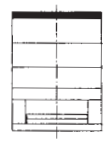


Y7

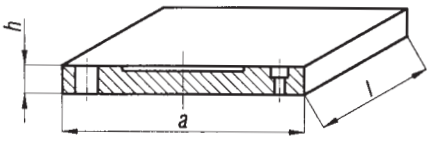


Mat. 1730		Y3			Y6				Y7		
		h			h				h		
a	l	22	26	36	26	36	46	56	22	26	36
156	156	●			●				●		
	196	●			●				●		
	246	●			●				●		
196	196	●			●				●		
	246	●			●				●		
	296	●			●				●		
	346	●			●				●		
246	246	●				●			●		
	296	●				●			●		
	346	●				●			●		
	396	●				●			●		
296	296		●			●				●	
	346		●			●				●	
	396		●			●				●	
	446		●			●				●	
346	346		●				●			●	
	396		●				●			●	
	446		●				●			●	
	496		●				●			●	
396	396		●				●			●	
	446		●				●			●	
	496		●				●			●	
	546		●				●			●	
446	446		●				●			●	
	496		●				●			●	
	546		●				●			●	
	596		●				●			●	
490	496			●				●			●
	596			●				●			●
	696			●				●			●
590	596			●				●			●
	696			●				●			●
	796			●				●			●

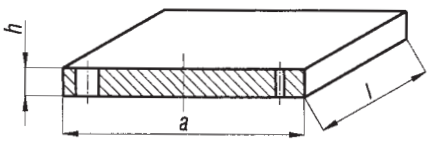
TUMI

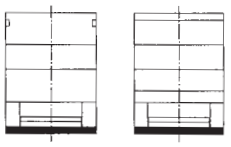


K3

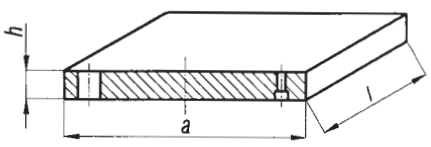


K6



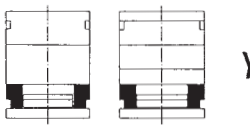


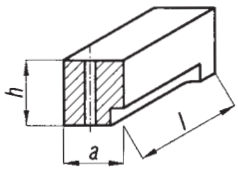
K7

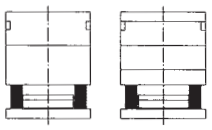


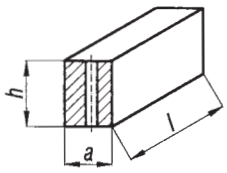
Mat. 1730		K3			K6				K7		
		h			h				h		
a	l	22	26	36	26	36	46	56	22	26	36
156	156	●			●				●		
	196	●			●				●		
	246	●			●				●		
196	196	●			●				●		
	246	●			●				●		
	296	●			●				●		
	346	●			●				●		
246	246	●				●			●		
	296	●				●			●		
	346	●				●			●		
	396	●				●			●		
296	296		●			●				●	
	346		●			●				●	
	396		●			●				●	
	446		●			●				●	
346	346		●				●			●	
	396		●				●			●	
	446		●				●			●	
	496		●				●			●	
396	396		●				●			●	
	446		●				●			●	
	496		●				●			●	
	546		●				●			●	
446	446		●				●			●	
	496		●				●			●	
	546		●				●			●	
	596		●				●			●	
490	496			●				●			●
	596			●				●			●
	696			●				●			●
590	596			●				●			●
	696			●				●			●
	796			●				●			●

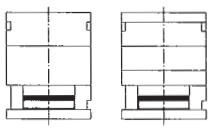
TYMB

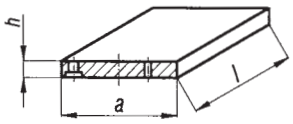

Y8

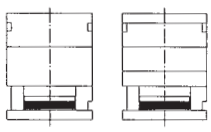


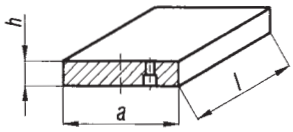

Y9




Y12

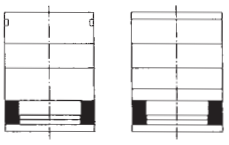



Y11

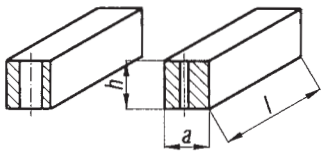


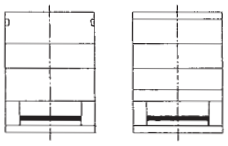
Mat. 1730		Y8						Y9						Y12-Y11		Y12			Y11	
		a	l	h				a	l	h				a	l	h			h	
SERIE				57	77	97	117			57	77	97	117			12	18	22	18	22
156	156	28	156	●	●	●								96	156	●			●	
	196		196	●	●	●									196	●			●	
	246		246	●	●	●									246	●			●	
196	196	38	196	●	●	●		28	196	●	●	●		116	196	●			●	
	246		246	●	●	●			246	●	●	●			246	●			●	
	296		296	●	●	●			296	●	●	●			296	●			●	
	346		346	●	●	●			346	●	●	●			346	●			●	
246	246	43	246	●	●	●	●	28	246	●	●	●	●	156	246	●			●	
	296		296	●	●	●	●		296	●	●	●	●		296	●			●	
	346		346	●	●	●	●		346	●	●	●	●		346	●			●	
	396		396	●	●	●	●		396	●	●	●	●		396	●			●	
296	296	48	296	●	●	●	●	33	296	●	●	●	●	196	296	●			●	
	346		346	●	●	●	●		346	●	●	●	●		346	●			●	
	396		396	●	●	●	●		396	●	●	●	●		396	●			●	
	446		446	●	●	●	●		446	●	●	●	●		446	●			●	
346	346	48	346	●	●	●	●	33	346	●	●	●	●	246	346		●		●	
	396		396	●	●	●	●		396	●	●	●	●		396		●		●	
	446		446	●	●	●	●		446	●	●	●	●		446		●		●	
	496		496	●	●	●	●		496	●	●	●	●		496		●		●	
396	396	48	396	●	●	●	●							296	396		●		●	
	446		446	●	●	●	●								446		●		●	
	496		496	●	●	●	●								496		●		●	
	546		546	●	●	●	●								546		●		●	
446	446	48	446	●	●	●	●							346	446		●		●	
	496		496	●	●	●	●								496		●		●	
	546		546	●	●	●	●								546		●		●	
	596		596	●	●	●	●								596		●		●	
490	496	69	496		●	●	●	57	496		●	●	●	346	496			●		●
	596		596		●	●	●		596		●	●	●		596			●		●
	696		696		●	●	●		696		●	●	●		696			●		●
590	596	69	596		●	●	●	57	596		●	●	●	446	596			●		●
	696		696		●	●	●		696		●	●	●		696			●		●
	796		796		●	●	●		796		●	●	●		796			●		●

TUMI

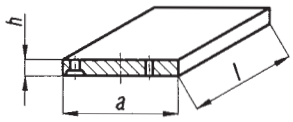


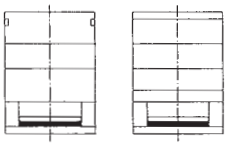
K8



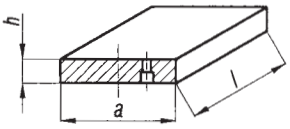


K12





K11

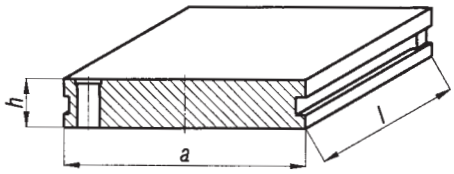


Mat. 1730		K8						K12-K11		K12			K11	
		a	l	h				a	l	h			h	
SERIE				57	77	97	117			12	18	22	18	22
156	156	30	156	●	●	●		92	156	●			●	
	196		196	●	●	●			196	●			●	
	246		246	●	●	●			246	●			●	
196	196	38	196	●	●	●		116	196	●			●	
	246		246	●	●	●			246	●			●	
	296		296	●	●	●			296	●			●	
	346		346	●	●	●			346	●			●	
246	246	43	246	●	●	●	●	156	246	●			●	
	296		296	●	●	●	●		296	●			●	
	346		346	●	●	●	●		346	●			●	
	396		396	●	●	●	●		396	●			●	
296	296	48	296	●	●	●	●	196	296	●			●	
	346		346	●	●	●	●		346	●			●	
	396		396	●	●	●	●		396	●			●	
	446		446	●	●	●	●		446	●			●	
346	346	48	346	●	●	●	●	246	346		●		●	
	396		396	●	●	●	●		396		●		●	
	446		446	●	●	●	●		446		●		●	
	496		496	●	●	●	●		496		●		●	
396	396	57	396	●	●	●	●	276	396		●		●	
	446		446	●	●	●	●		446		●		●	
	496		496	●	●	●	●		496		●		●	
	546		546	●	●	●	●		546		●		●	
446	446	57	446	●	●	●	●	326	446		●		●	
	496		496	●	●	●	●		496		●		●	
	546		546	●	●	●	●		546		●		●	
	596		596	●	●	●	●		596		●		●	
490	496	69	496		●	●	●	346	496			●		●
	596		596		●	●	●		596			●		●
	696		696		●	●	●		696			●		●
590	596	69	596		●	●	●	446	596			●		●
	696		696		●	●	●		696			●		●
	796		796		●	●	●		796			●		●

A7/02

TUMI

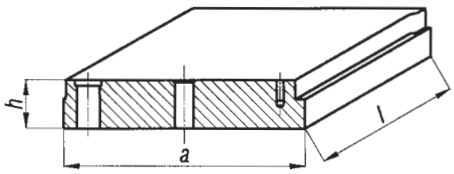
Y5



Mat. 1730 2738		Y5									
		h									
a	l	26	36	46	56	66	76	96	116	146	170
156	156			●	●	●	●				
	196			●	●	●	●				
	246			●	●	●	●				
196	196			●	●	●	●	●			
	246			●	●	●	●	●			
	296			●	●	●	●	●			
	346			●	●	●	●	●			
246	246			●	●	●	●	●			
	296			●	●	●	●	●			
	346			●	●	●	●	●			
	396			●	●	●	●	●			
296	296			●	●	●	●	●	●		
	346			●	●	●	●	●	●		
	396			●	●	●	●	●	●		
	446			●	●	●	●	●	●		
346	346				●	●	●	●	●		
	396				●	●	●	●	●		
	446				●	●	●	●	●		
	496				●	●	●	●	●		
396	396				●	●	●	●	●	●	
	446				●	●	●	●	●	●	
	496				●	●	●	●	●	●	
	546				●	●	●	●	●	●	
446	446					●	●	●	●	●	
	496					●	●	●	●	●	
	546					●	●	●	●	●	
	596					●	●	●	●	●	
490	496					●	●	●	●	●	●
	596					●	●	●	●	●	●
	696					●	●	●	●	●	●
590	596					●	●	●	●	●	●
	696					●	●	●	●	●	●
	796					●	●	●	●	●	●

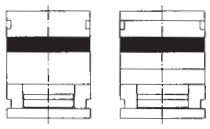
TUMB

Y4

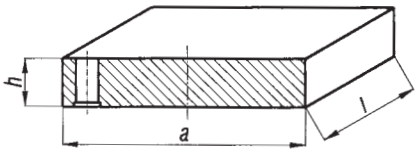


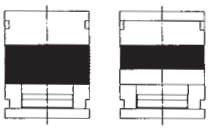
Mat. 1730 2738		Y4									
		h									
a	l	26	36	46	56	66	76	96	116	146	170
156	156	●	●	●	●						
	196	●	●	●	●						
	246	●	●	●	●						
196	196	●	●	●	●	●	●				
	246	●	●	●	●	●	●				
	296	●	●	●	●	●	●				
	346	●	●	●	●	●	●				
246	246	●	●	●	●	●	●				
	296	●	●	●	●	●	●				
	346	●	●	●	●	●	●				
	396	●	●	●	●	●	●				
296	296		●	●	●	●	●	●			
	346		●	●	●	●	●	●			
	396		●	●	●	●	●	●			
	446		●	●	●	●	●	●			
346	346			●	●	●	●	●			
	396			●	●	●	●	●			
	446			●	●	●	●	●			
	496			●	●	●	●	●			
396	396			●	●	●	●	●			
	446			●	●	●	●	●			
	496			●	●	●	●	●			
	546			●	●	●	●	●			
446	446			●	●	●	●	●			
	496			●	●	●	●	●			
	546			●	●	●	●	●			
	596			●	●	●	●	●			
490	496			●	●	●	●	●	●		
	596			●	●	●	●	●	●		
	696			●	●	●	●	●	●		
590	596			●	●	●	●	●	●		
	696			●	●	●	●	●	●		
	796			●	●	●	●	●	●		

TUMI

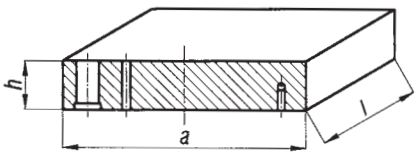


M



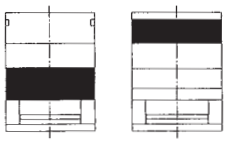


Y5/1

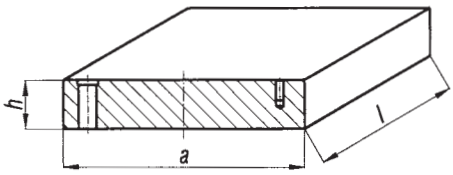


Mat. 1730 2738		M - Y5/1									
		h									
a	l	26	36	46	56	66	76	96	116	146	170
156	156	●	●	●	●	●	●				
	196	●	●	●	●	●	●				
	246	●	●	●	●	●	●				
196	196	●	●	●	●	●	●	●			
	246	●	●	●	●	●	●	●			
	296	●	●	●	●	●	●	●			
	346	●	●	●	●	●	●	●			
246	246	●	●	●	●	●	●	●			
	296	●	●	●	●	●	●	●			
	346	●	●	●	●	●	●	●			
	396	●	●	●	●	●	●	●			
296	296		●	●	●	●	●	●	●		
	346		●	●	●	●	●	●	●		
	396		●	●	●	●	●	●	●		
	446		●	●	●	●	●	●	●		
346	346			●	●	●	●	●	●		
	396			●	●	●	●	●	●		
	446			●	●	●	●	●	●		
	496			●	●	●	●	●	●		
396	396			●	●	●	●	●	●	●	
	446			●	●	●	●	●	●	●	
	496			●	●	●	●	●	●	●	
	546			●	●	●	●	●	●	●	
446	446			●	●	●	●	●	●	●	
	496			●	●	●	●	●	●	●	
	546			●	●	●	●	●	●	●	
	596			●	●	●	●	●	●	●	
490	496			●	●	●	●	●	●	●	●
	596			●	●	●	●	●	●	●	●
	696			●	●	●	●	●	●	●	●
590	596			●	●	●	●	●	●	●	●
	696			●	●	●	●	●	●	●	●
	796			●	●	●	●	●	●	●	●

TUMI

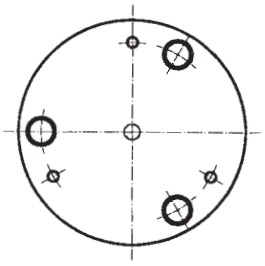


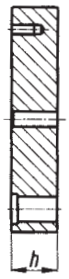
K4



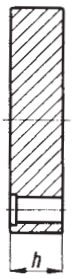
Mat. 1730 2738		K4									
		h									
a	l	26	36	46	56	66	76	96	116	146	170
156	156	●	●	●	●						
	196	●	●	●	●						
	246	●	●	●	●						
196	196	●	●	●	●	●	●				
	246	●	●	●	●	●	●				
	296	●	●	●	●	●	●				
	346	●	●	●	●	●	●				
246	246	●	●	●	●	●	●				
	296	●	●	●	●	●	●				
	346	●	●	●	●	●	●				
	396	●	●	●	●	●	●				
296	296		●	●	●	●	●	●			
	346		●	●	●	●	●	●			
	396		●	●	●	●	●	●			
	446		●	●	●	●	●	●			
346	346			●	●	●	●	●			
	396			●	●	●	●	●			
	446			●	●	●	●	●			
	496			●	●	●	●	●			
396	396			●	●	●	●	●			
	446			●	●	●	●	●			
	496			●	●	●	●	●			
	546			●	●	●	●	●			
446	446			●	●	●	●	●			
	496			●	●	●	●	●			
	546			●	●	●	●	●			
	596			●	●	●	●	●			
490	496			●	●	●	●	●	●		
	596			●	●	●	●	●	●		
	696			●	●	●	●	●	●		
590	596			●	●	●	●	●	●		
	696			●	●	●	●	●	●		
	796			●	●	●	●	●	●		

TUMA

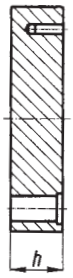




YR4

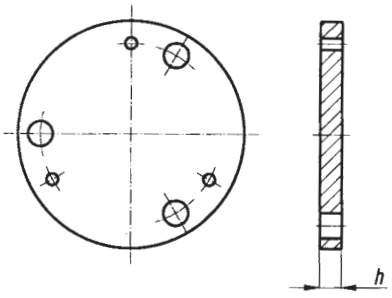


RM



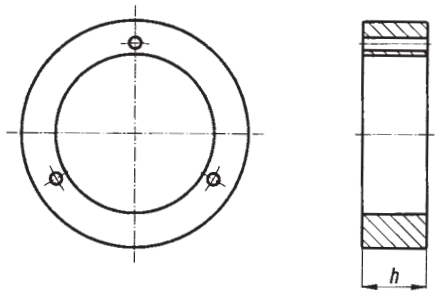
YR5/1

Mat. 1730 2738	h					
	26	36	46	56	66	76
Ø200	●	●	●	●	●	●
Ø240	●	●	●	●	●	●
Ø296	●	●	●	●	●	●



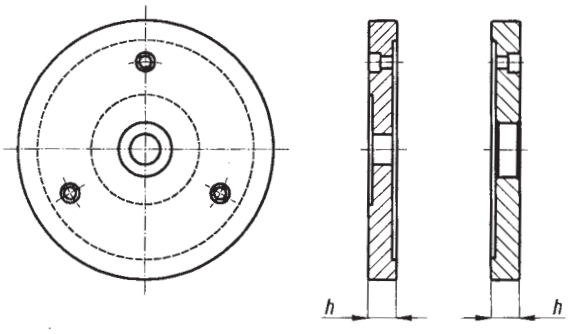
YR6

Mat. 1730	h
	26
Ø200	●
Ø240	●
Ø296	●



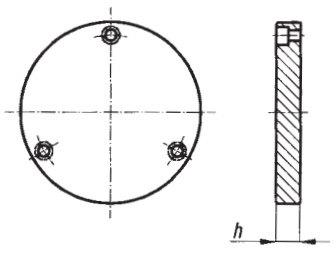
YR8

Mat. 1730	h		
	57	77	97
Ø200	●	●	●
Ø240	●	●	●
Ø296	●	●	●



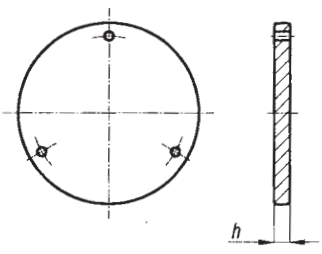
YR1 YR2

Mat. 1730	h
	26
Ø236	●
Ø276	●
Ø336	●



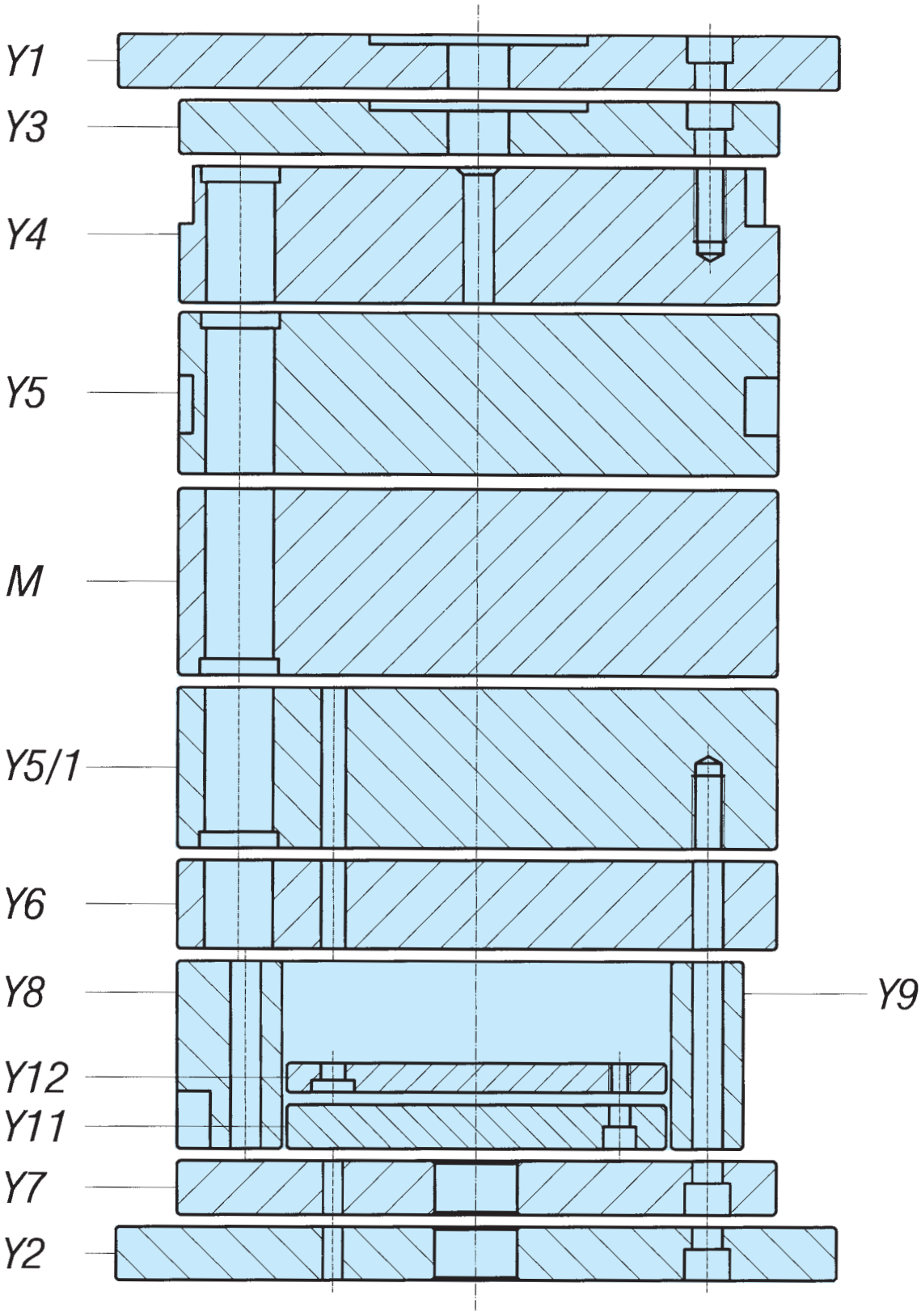
YR11

Mat. 1730	h
	18
Ø136	●
Ø186	●
Ø236	●

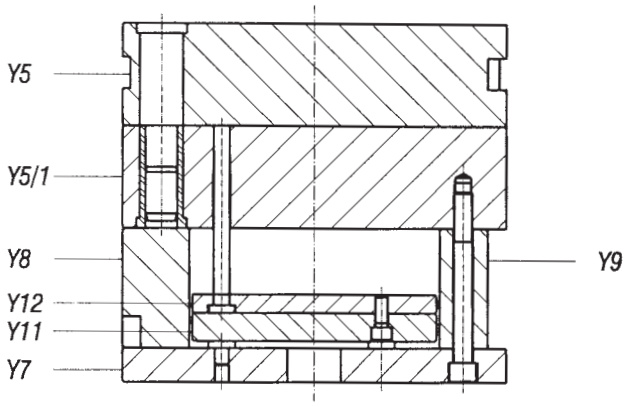


YR12

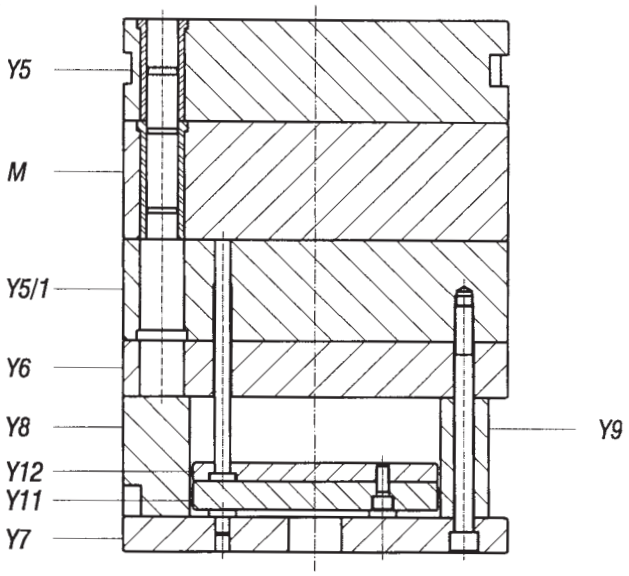
Mat. 1730	h
	12
Ø136	●
Ø186	●
Ø236	●


Y1
Y3
Y4
Y5
M
Y5/1
Y6
Y8
Y9
Y12
Y11
Y7
Y2

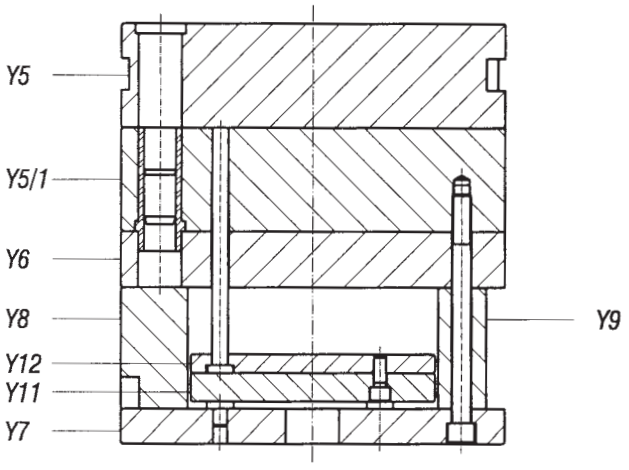
Serie XE



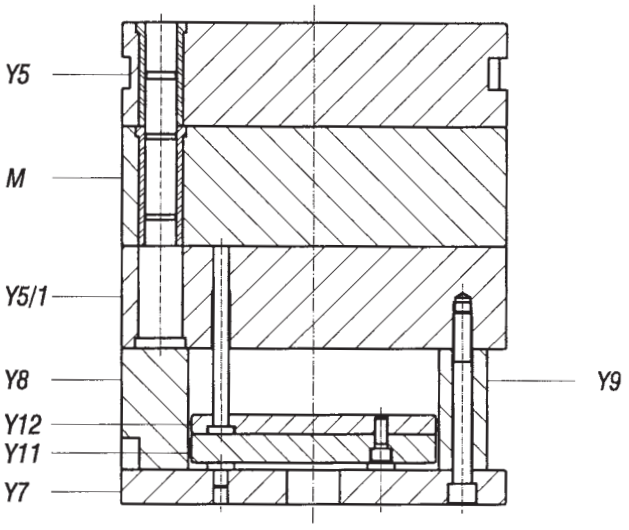
XE



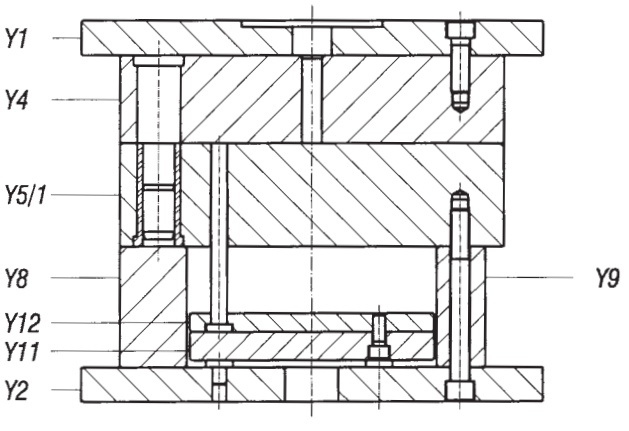
XE+Y6+M



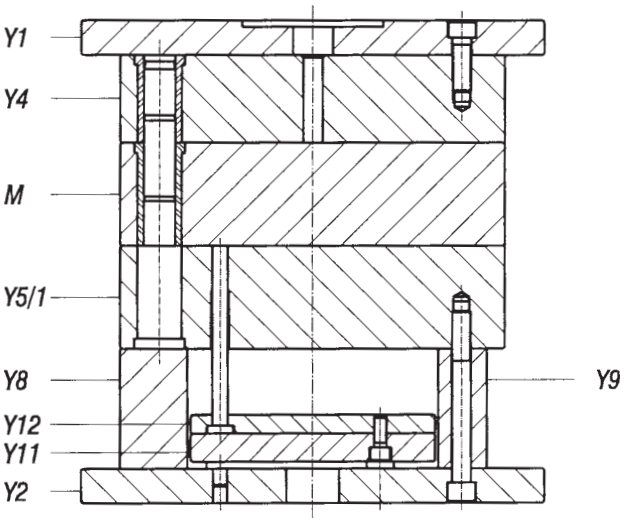
XE+Y6



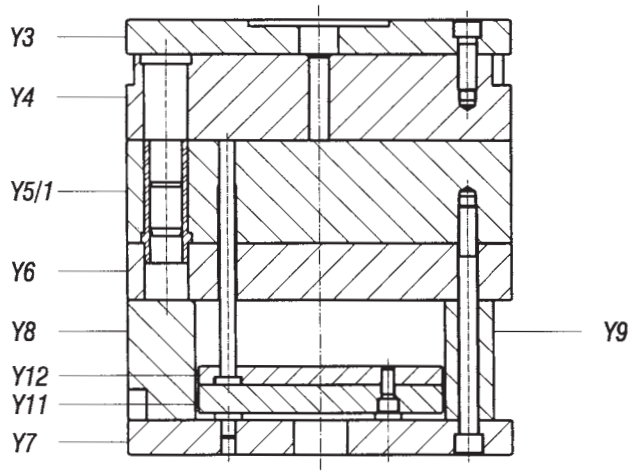
XE+M



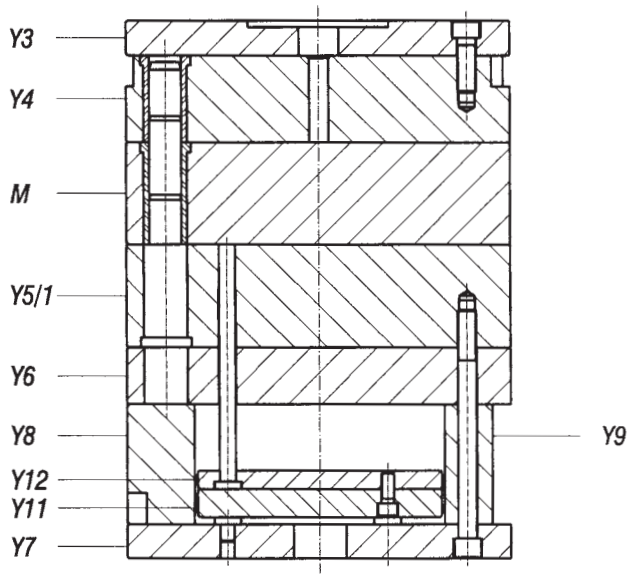
XE DEB.



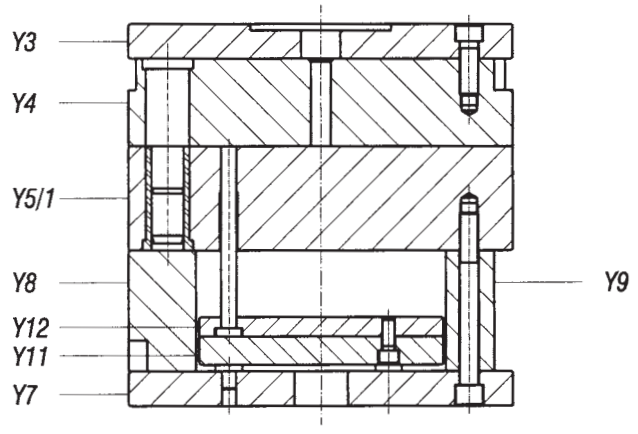
XE DEB.+M



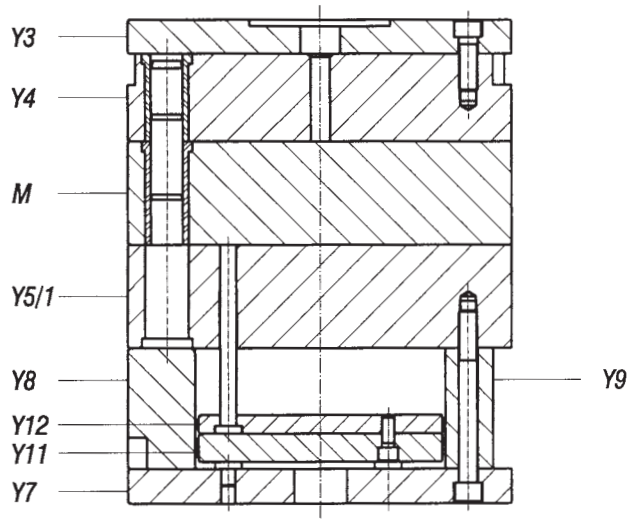
X



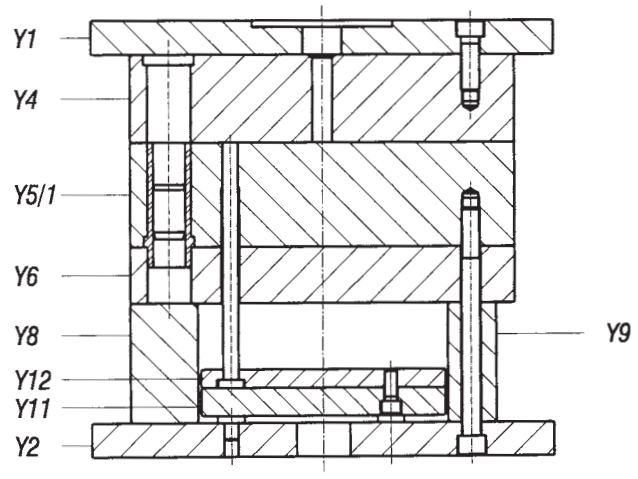
X+M



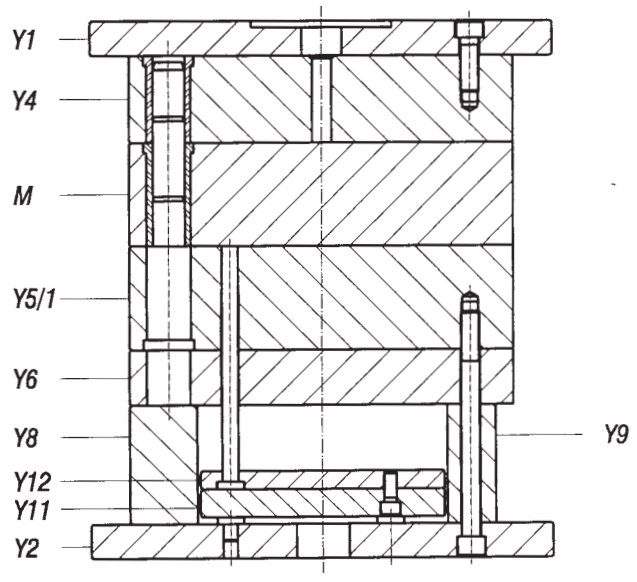
X-Y6



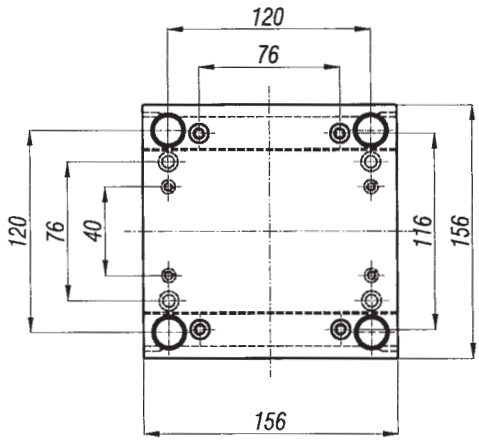
X-Y6+M



X DEB.



X DEB.+M



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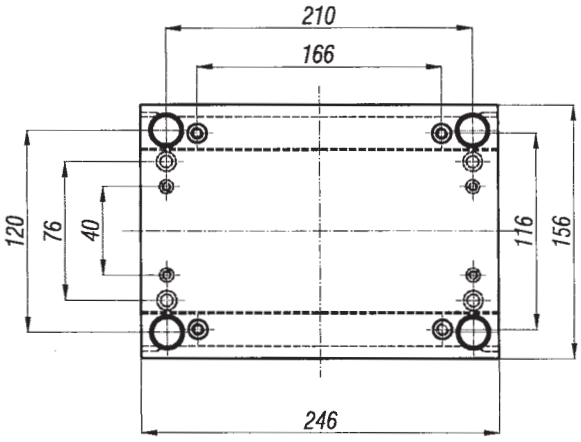
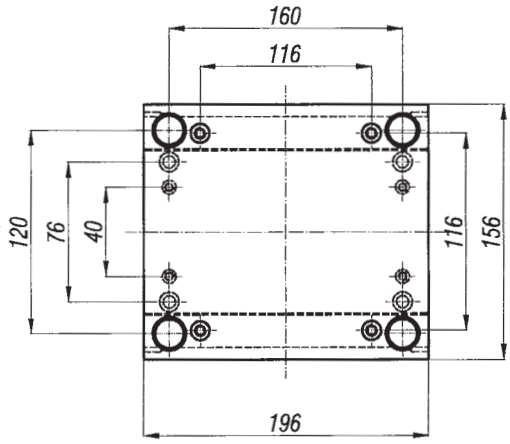
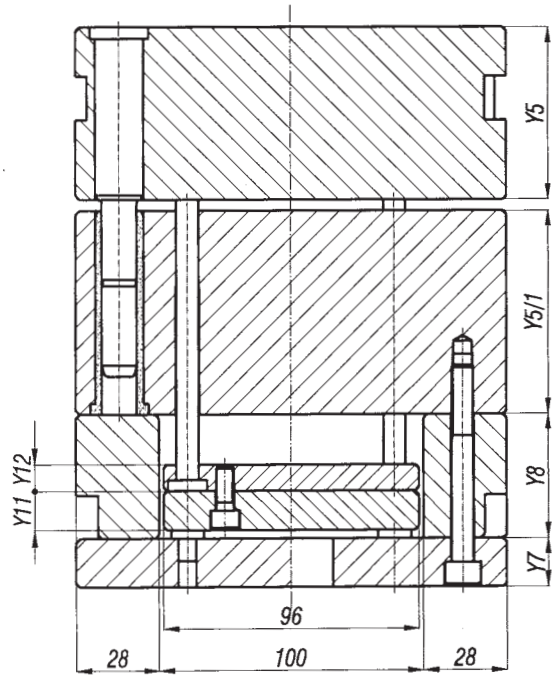


156x246

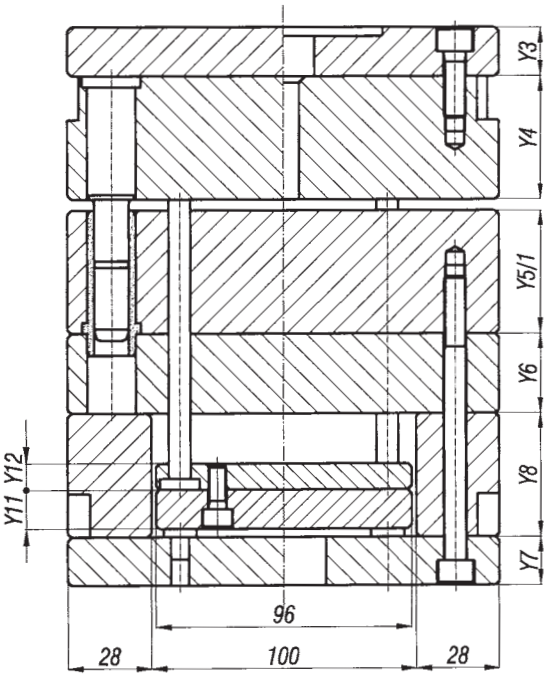


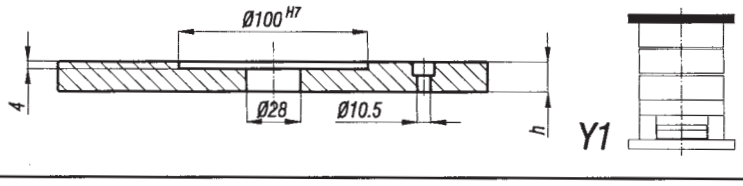
156x196

Serie XE



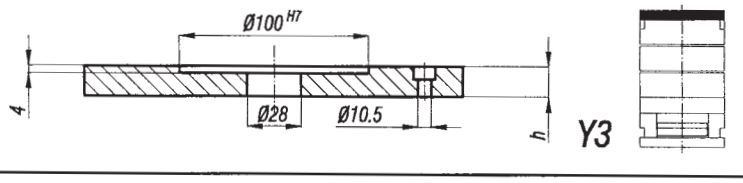
Serie X





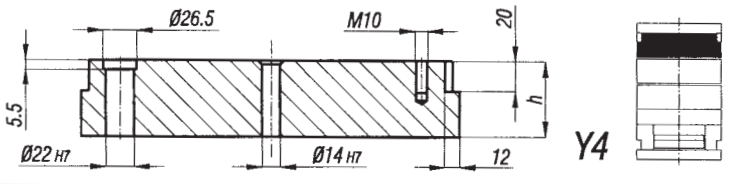
Y1

mat. \ h	22
1730	●
2738	



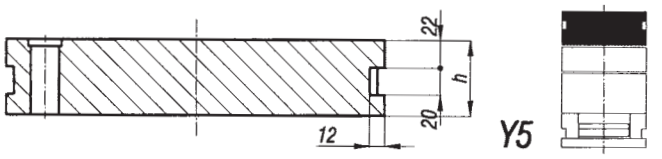
Y3

mat. \ h	22
1730	●
2738	



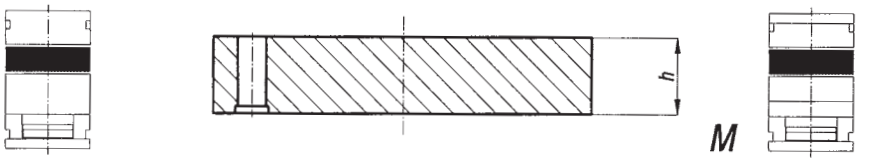
Y4

mat. \ h	26	36	46	56
1730	●	●	●	●
2738	●	●	●	●



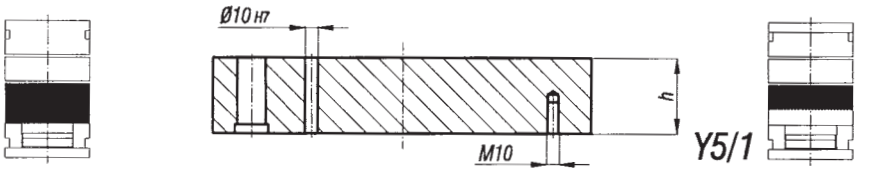
Y5

mat. \ h	46	56	66	76
1730	●	●	●	●
2738	●	●	●	●



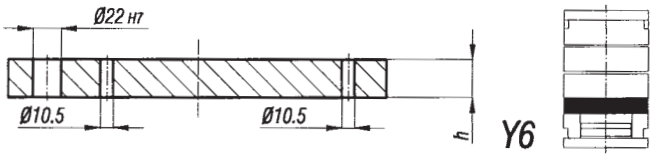
M

mat. \ h	26	36	46	56	66	76
1730	●	●	●	●	●	●
2738	●	●	●	●	●	●



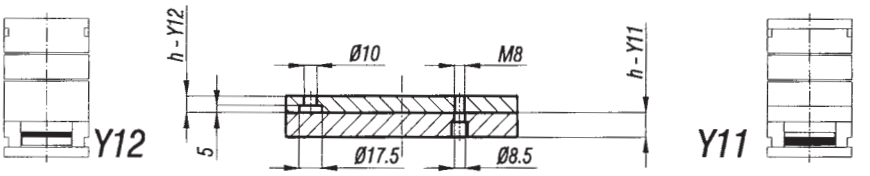
Y5/1

mat. \ h	26	36	46	56	66	76
1730	●	●	●	●	●	●
2738	●	●	●	●	●	●



Y6

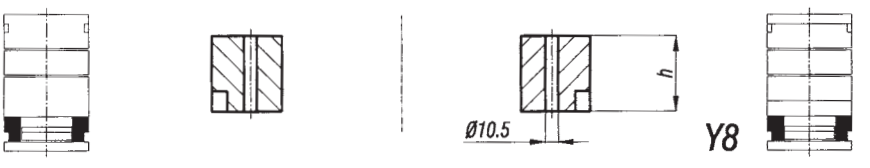
mat. \ h	26
1730	●
2738	



Y12

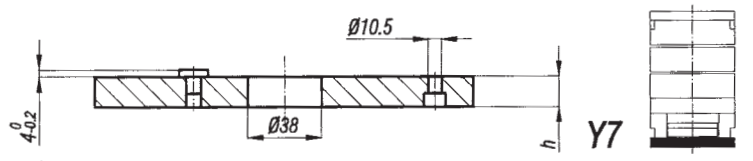
Y11

mat. \ h	Y11 = 18	Y12 = 12
1730	●	●
2738		



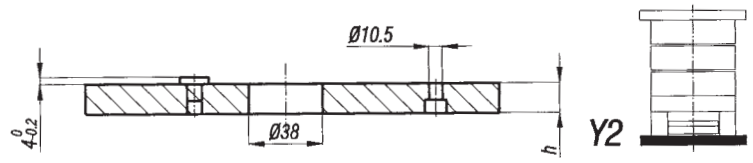
Y8

mat. \ h	57	77	97
1730	●	●	●
2738			



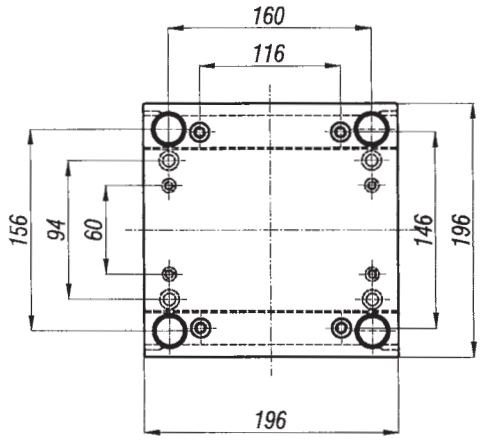
Y7

mat. \ h	22
1730	●
2738	

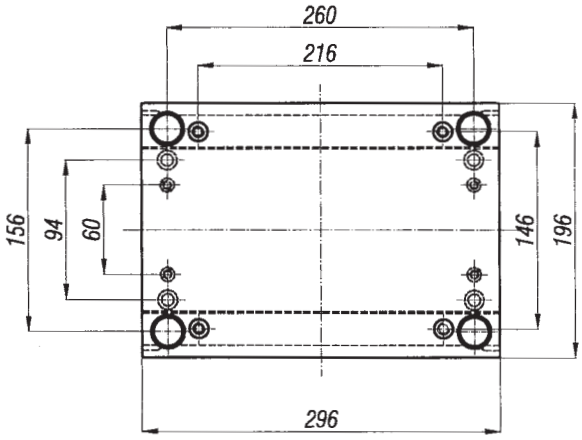


Y2

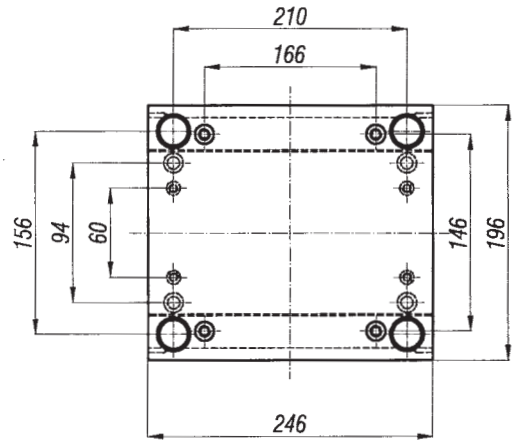
mat. \ h	22
1730	●
2738	



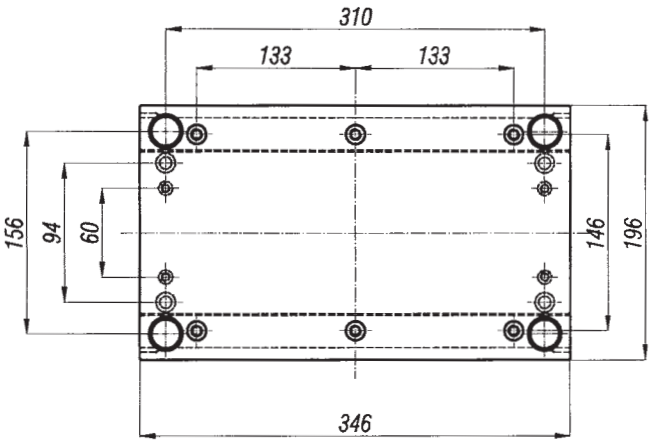
196x196



196x296

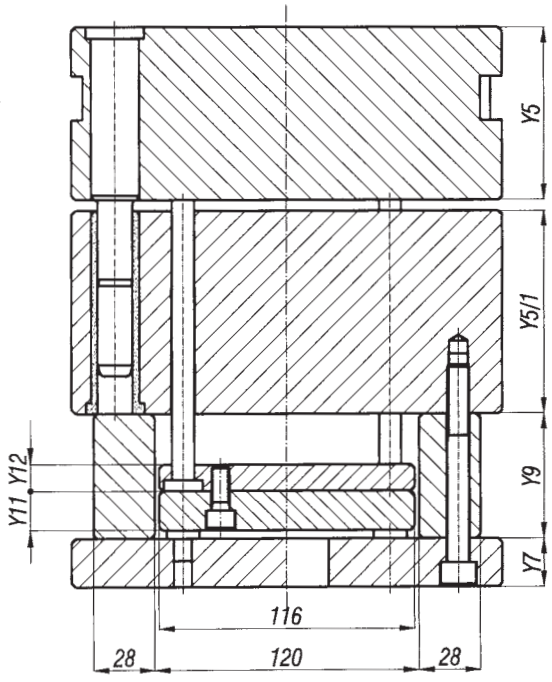


196x246

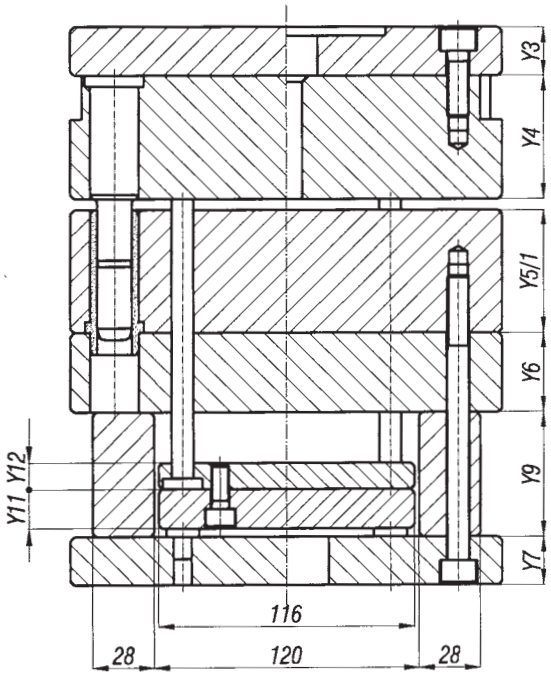


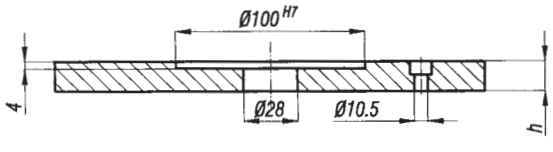
196x346

Serie XE



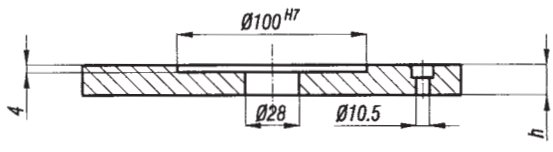
Serie X





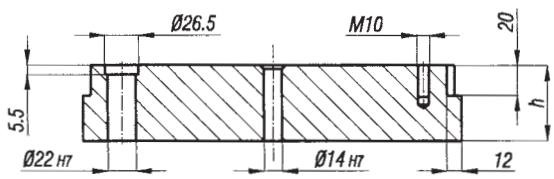
Y1

mat. \ h	22							
1730	●							
2738								



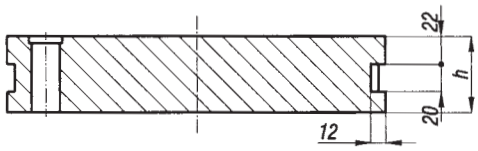
Y3

mat. \ h	22							
1730	●							
2738								



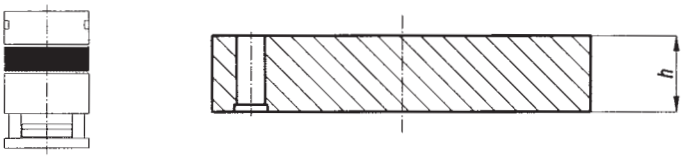
Y4

mat. \ h	26	36	46	56	66	76		
1730	●	●	●	●	●	●		
2738	●	●	●	●	●	●		



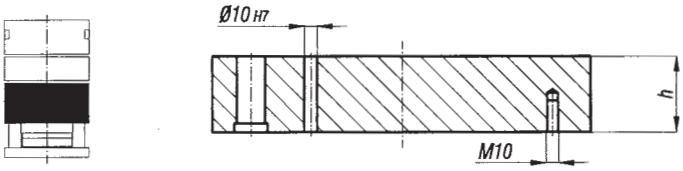
Y5

mat. \ h	46	56	66	76	96			
1730	●	●	●	●	●			
2738	●	●	●	●	●			



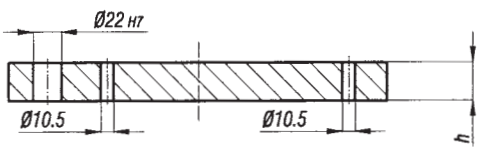
M

mat. \ h	26	36	46	56	66	76	96	
1730	●	●	●	●	●	●	●	
2738	●	●	●	●	●	●	●	



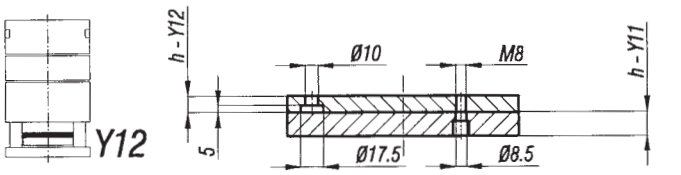
Y5/1

mat. \ h	26	36	46	56	66	76	96	
1730	●	●	●	●	●	●	●	
2738	●	●	●	●	●	●	●	



Y6

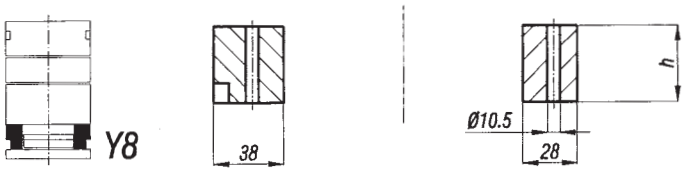
mat. \ h	26							
1730	●							
2738								



Y12

Y11

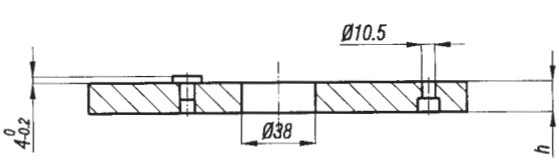
mat. \ h	Y11 = 18			Y12 = 12				
1730		●			●			
2738								



Y8

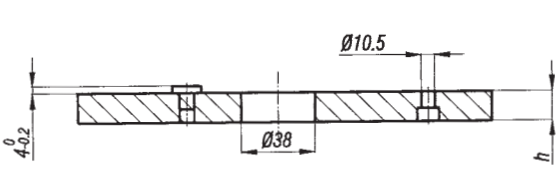
Y9

mat. \ h	57	77	97					
1730	●	●	●					
2738								



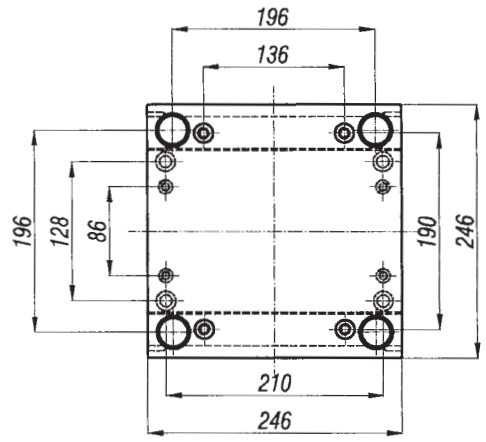
Y7

mat. \ h	22							
1730	●							
2738								

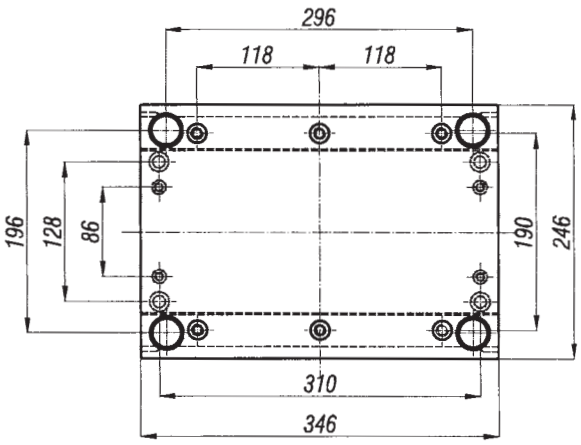


Y2

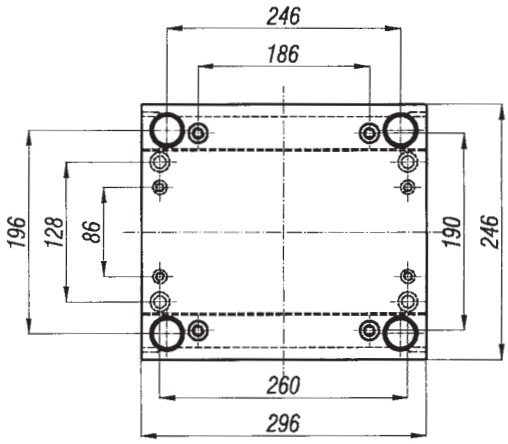
mat. \ h	22							
1730	●							
2738								



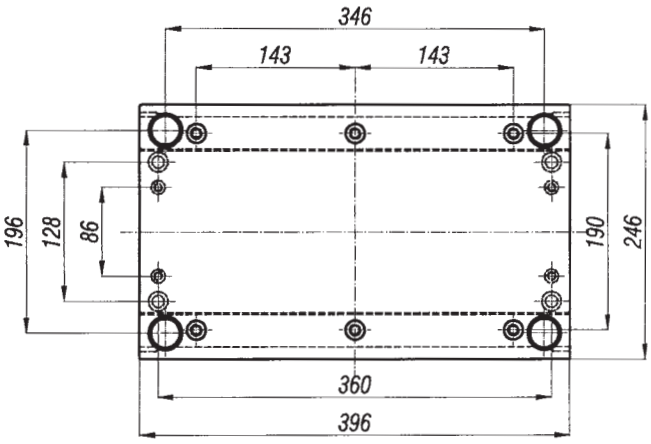
246x246



246x346

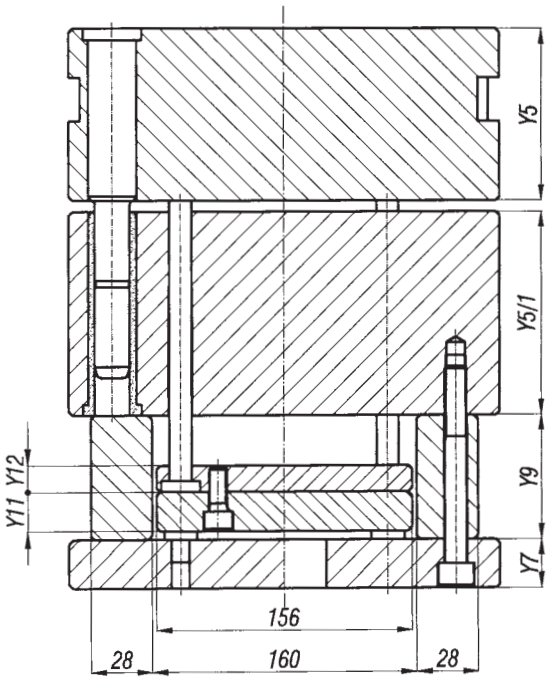


246x296

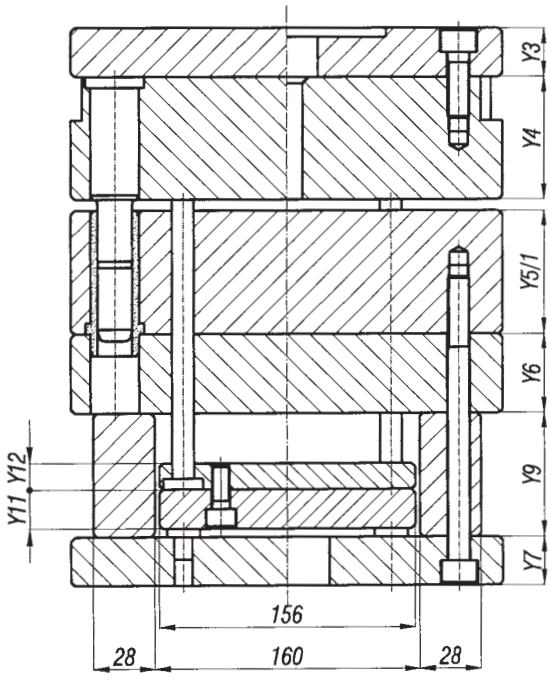


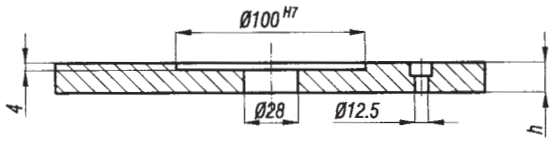
246x396

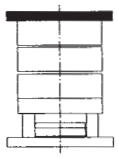
Serie XE



Serie X

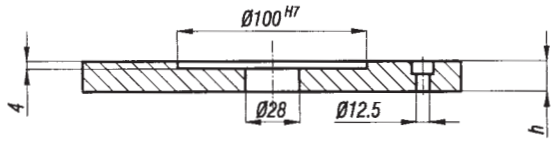


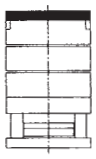




Y1

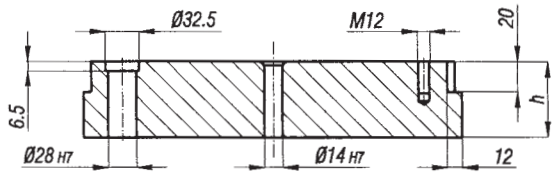
h / mat.	26
1730	●
2738	





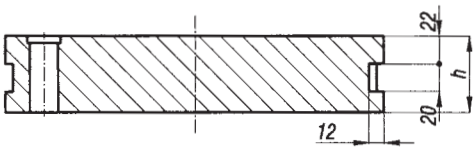
Y3

h / mat.	22
1730	●
2738	



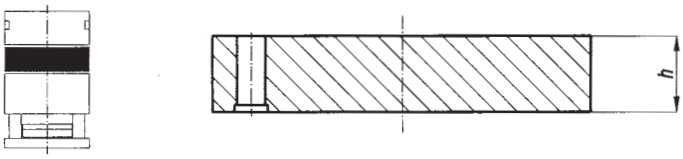
Y4

h / mat.	26	36	46	56	66	76		
1730	●	●	●	●	●	●		
2738	●	●	●	●	●	●		



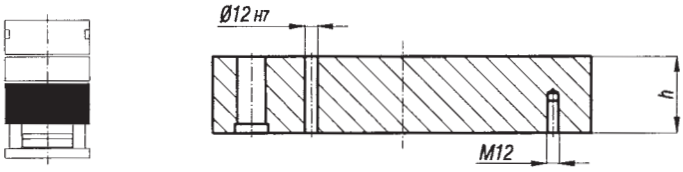
Y5

h / mat.	46	56	66	76	96			
1730	●	●	●	●	●			
2738	●	●	●	●	●			



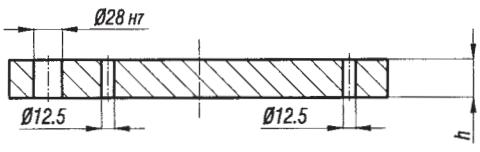
M

h / mat.	26	36	46	56	66	76	96	
1730	●	●	●	●	●	●	●	
2738	●	●	●	●	●	●	●	



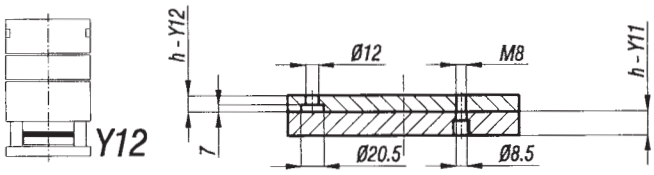
Y5/1

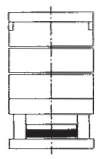
h / mat.	26	36	46	56	66	76	96	
1730	●	●	●	●	●	●	●	
2738	●	●	●	●	●	●	●	



Y6

h / mat.	26
1730	●
2738	

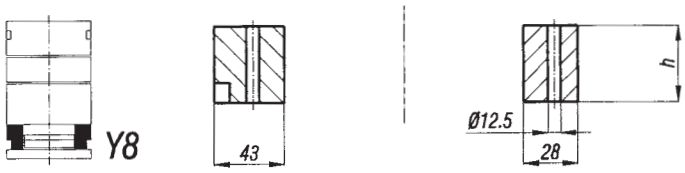




Y12

Y11

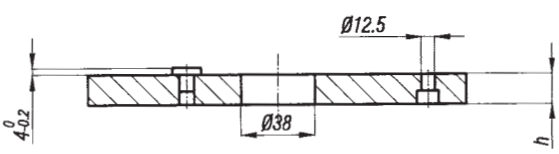
h / mat.	Y11 = 18			Y12 = 12				
1730		●			●			
2738								

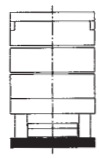


Y8

Y9

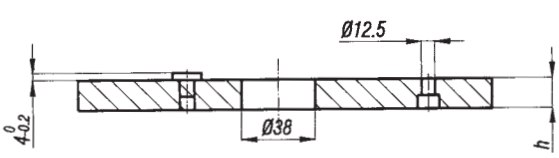
h / mat.	57	77	97	117				
1730	●	●	●	●				
2738								





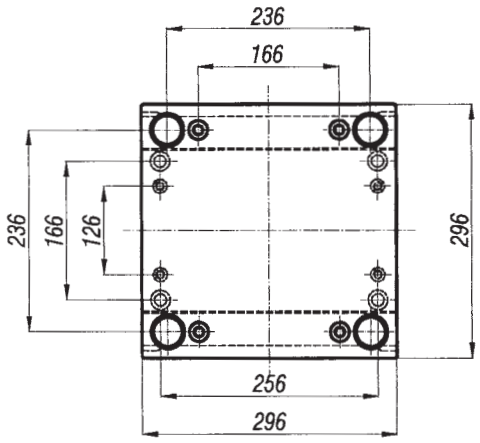
Y7

h / mat.	22
1730	●
2738	

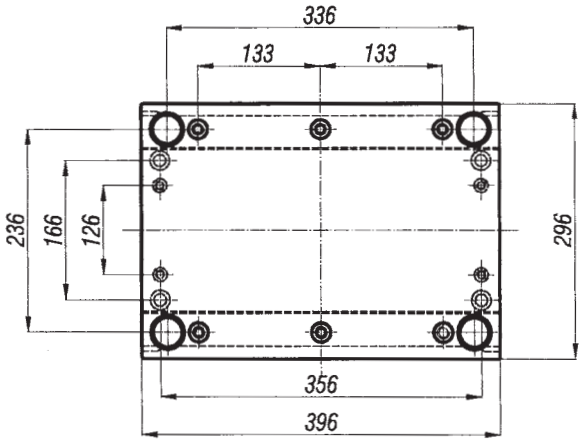


Y2

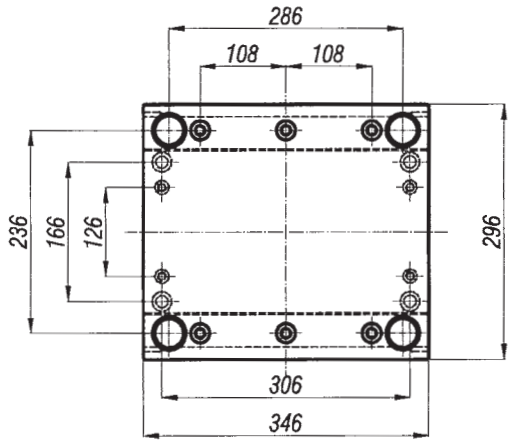
h / mat.	26
1730	●
2738	



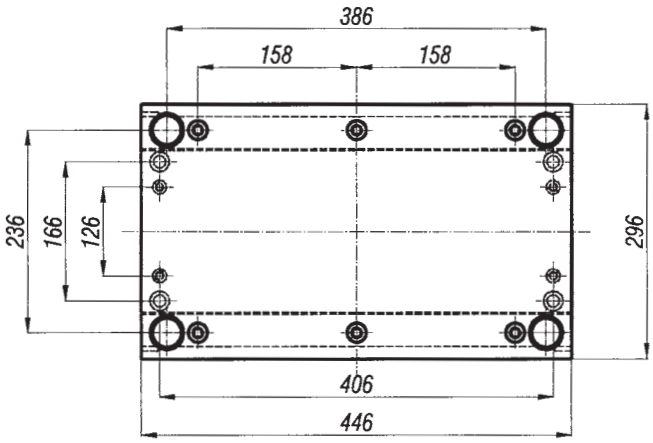
296x296



296x396

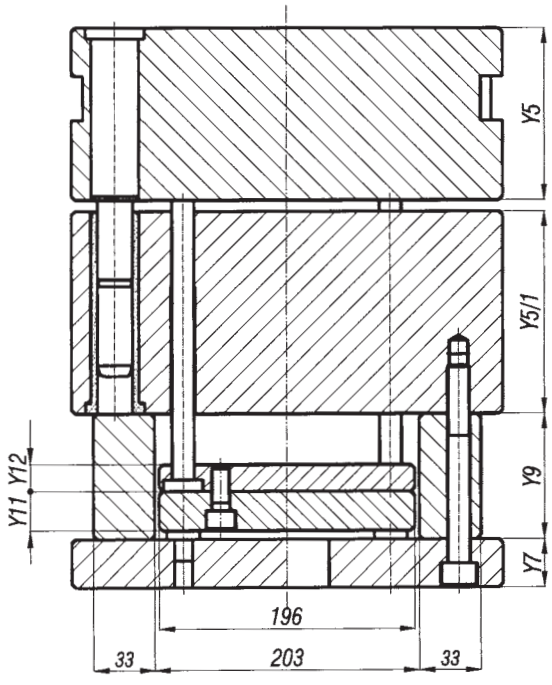


296x346

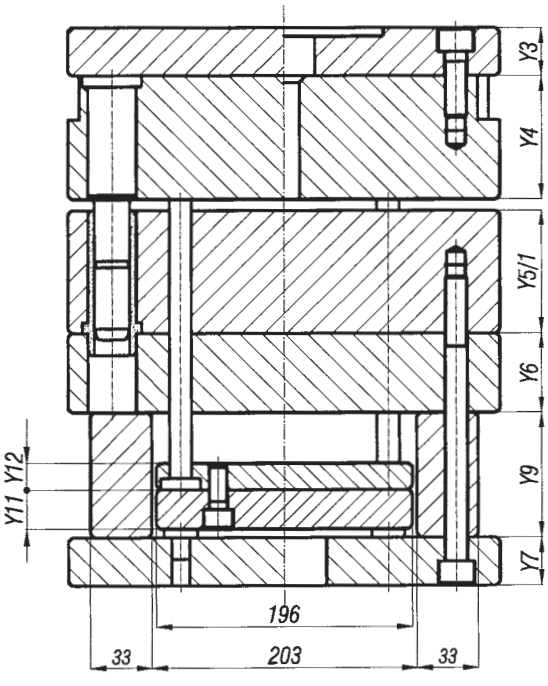


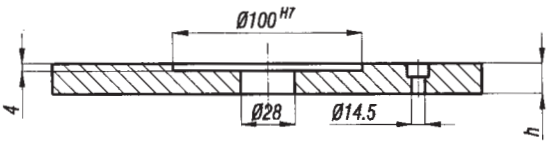
296x446

Serie XE

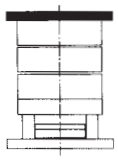


Serie X

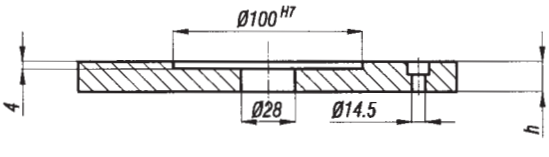




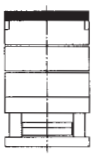
Y1



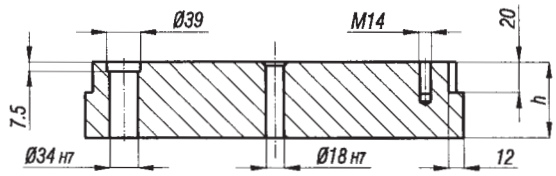
h / mat.	26
1730	●
2738	



Y3

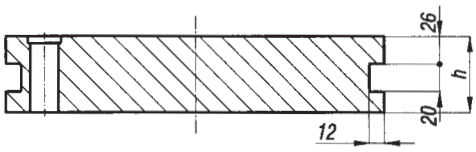


h / mat.	26
1730	●
2738	

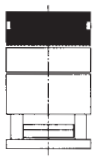


Y4

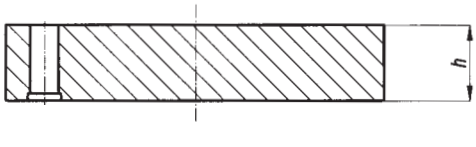
h / mat.	36	46	56	66	76	96
1730	●	●	●	●	●	●
2738	●	●	●	●	●	●



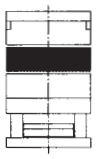
Y5



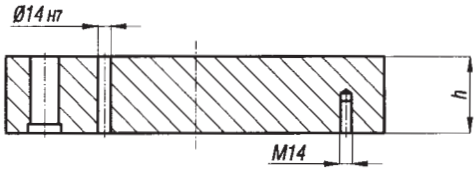
h / mat.	46	56	66	76	96	116
1730	●	●	●	●	●	●
2738	●	●	●	●	●	●



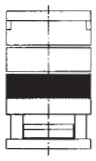
M



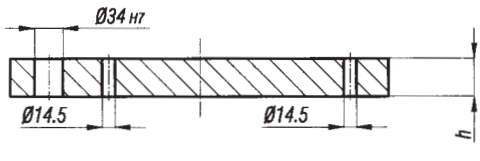
h / mat.	36	46	56	66	76	96	116
1730	●	●	●	●	●	●	●
2738	●	●	●	●	●	●	●



Y5/1



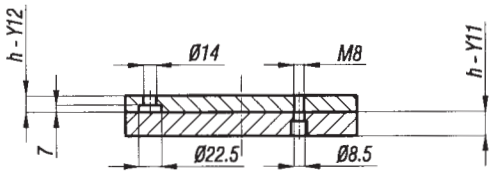
h / mat.	36	46	56	66	76	96	116
1730	●	●	●	●	●	●	●
2738	●	●	●	●	●	●	●



Y6

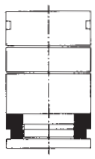
h / mat.	36
1730	●
2738	

Y12

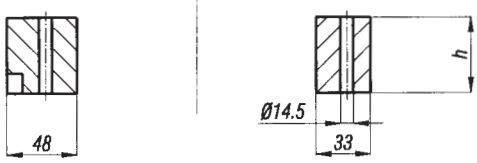


Y11

h / mat.	Y11 = 18	Y12 = 12
1730	●	●
2738		

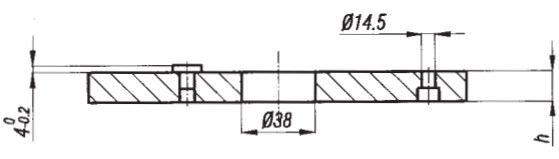


Y8



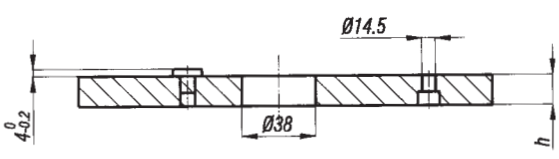
Y9

h / mat.	57	77	97	117
1730	●	●	●	●
2738				



Y7

h / mat.	26
1730	●
2738	

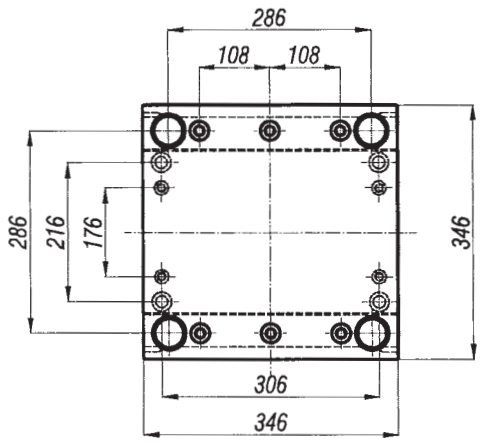


Y2

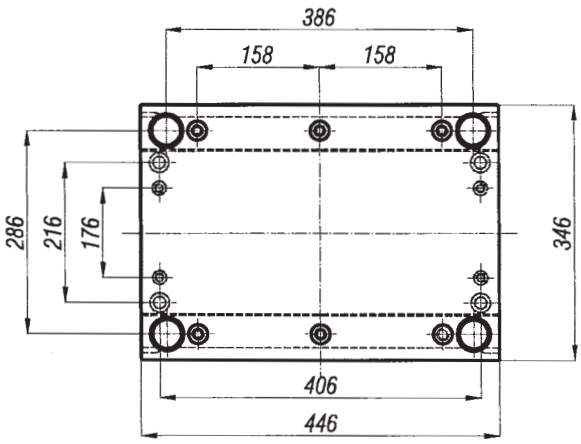
h / mat.	26
1730	●
2738	

TUMA

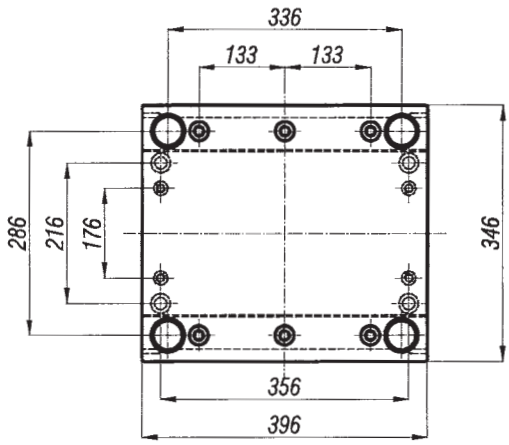
346



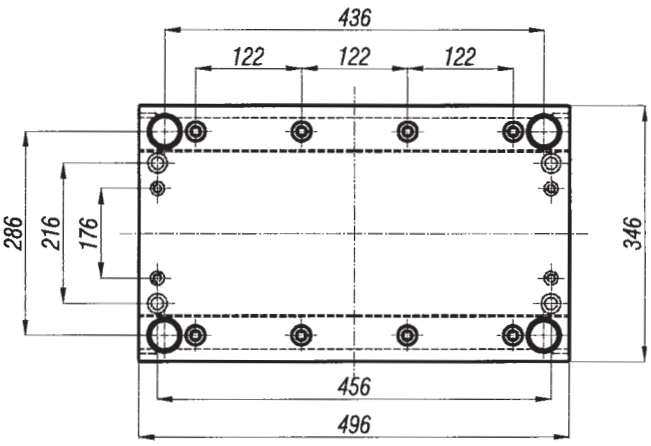
346x346



346x446

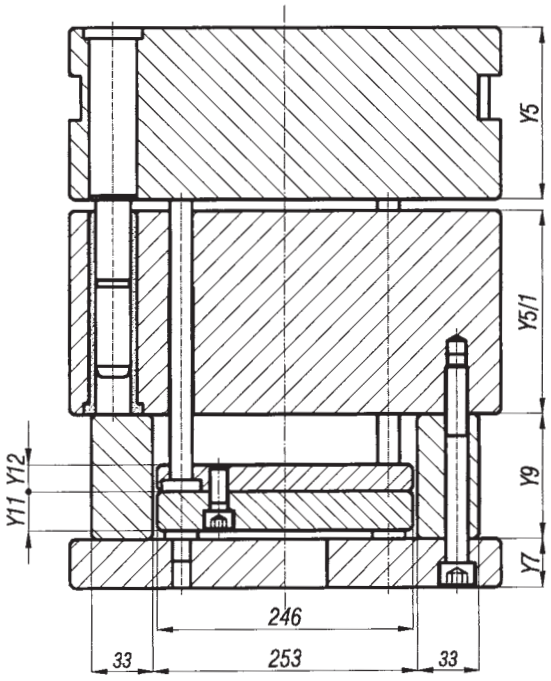


346x396

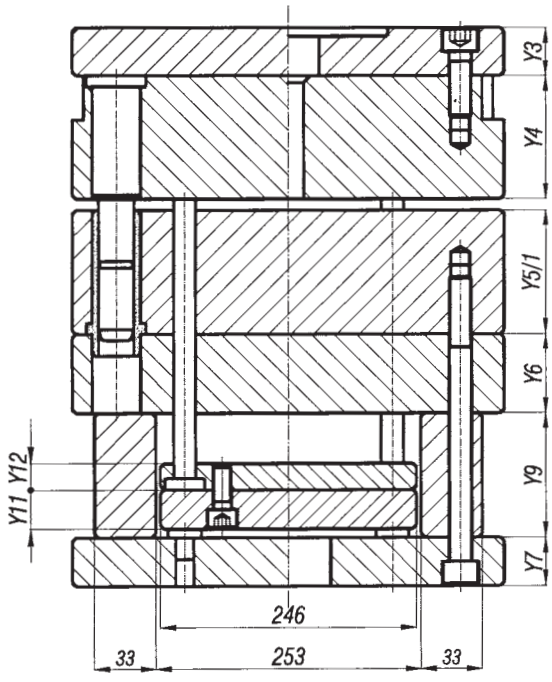


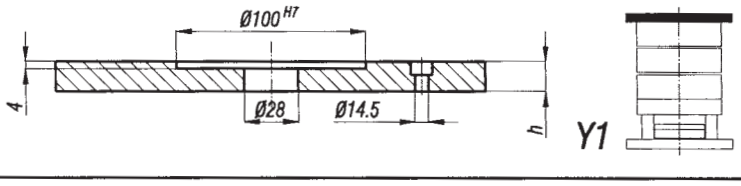
346x496

Serie XE



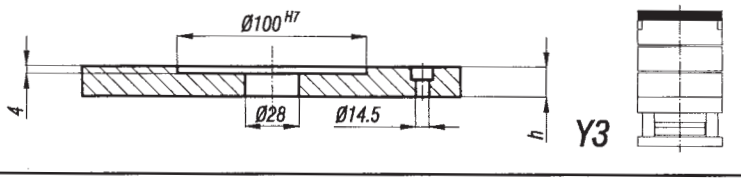
Serie X





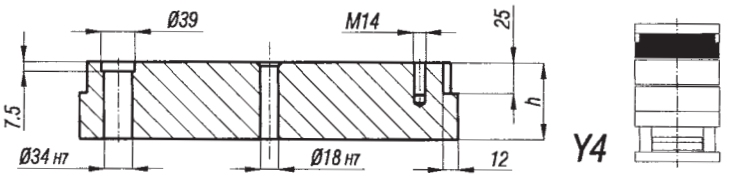
Y1

h / mat.	26							
1730	●							
2738								



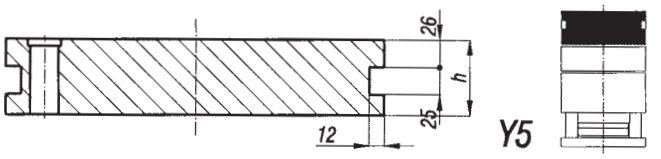
Y3

h / mat.	26							
1730	●							
2738								



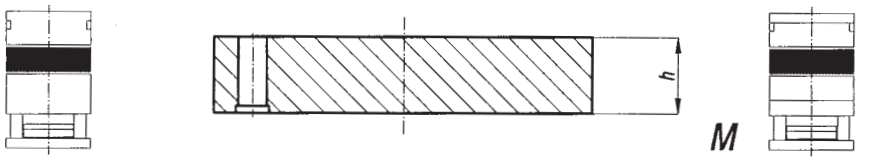
Y4

h / mat.	46	56	66	76	96			
1730	●	●	●	●	●			
2738	●	●	●	●	●			



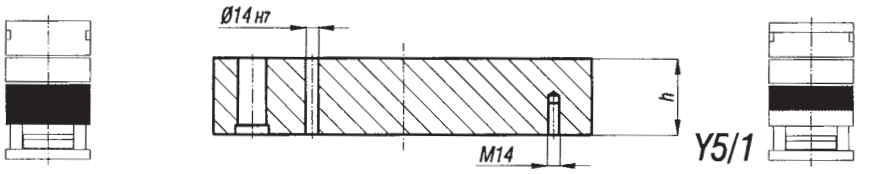
Y5

h / mat.	56	66	76	96	116			
1730	●	●	●	●	●			
2738	●	●	●	●	●			



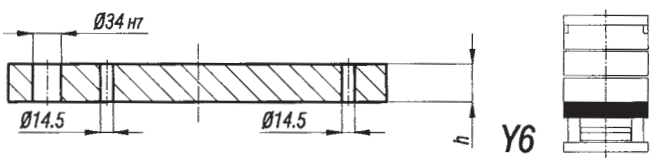
M

h / mat.	46	56	66	76	96	116		
1730	●	●	●	●	●	●		
2738	●	●	●	●	●	●		



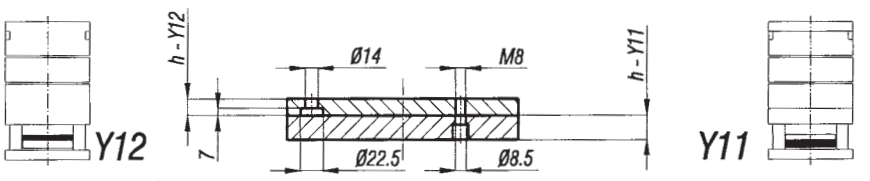
Y5/1

h / mat.	46	56	66	76	96	116		
1730	●	●	●	●	●	●		
2738	●	●	●	●	●	●		



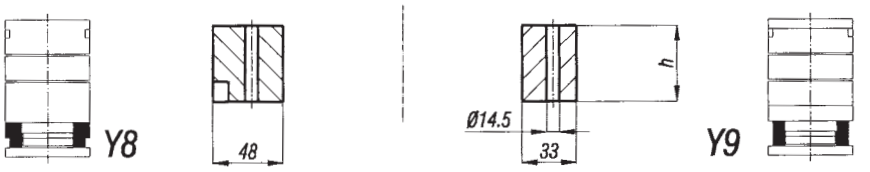
Y6

h / mat.	46							
1730	●							
2738								



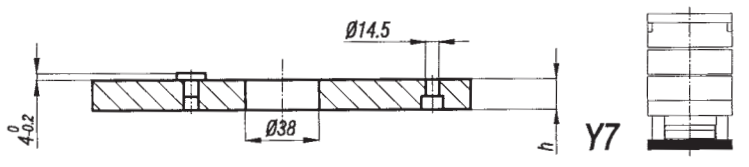
Y12 Y11

h / mat.	Y11 = 18			Y12 = 18				
1730		●			●			
2738								



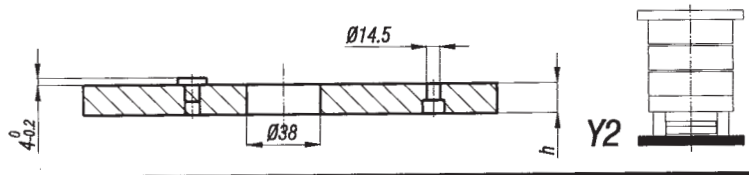
Y8 Y9

h / mat.	57	77	97	117				
1730	●	●	●	●				
2738								



Y7

h / mat.	26							
1730	●							
2738								



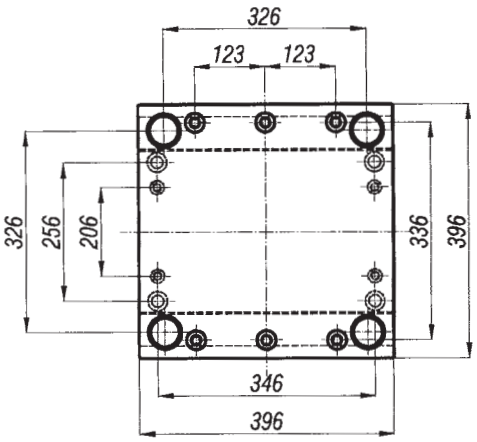
Y2

h / mat.	26							
1730	●							
2738								

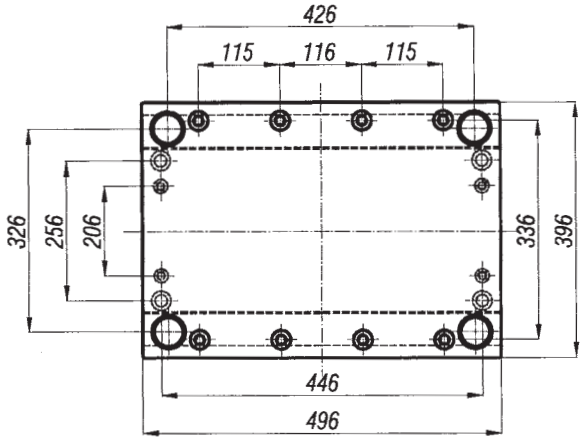
B7/02

TUMA

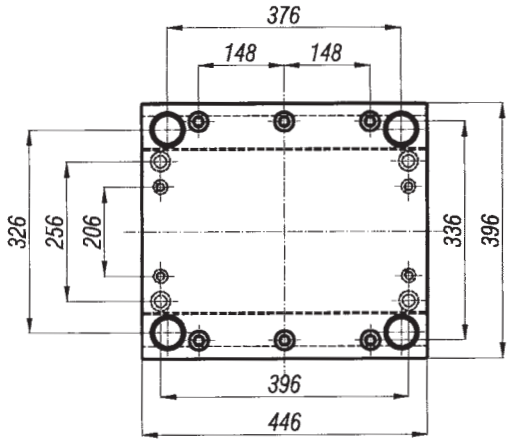
396



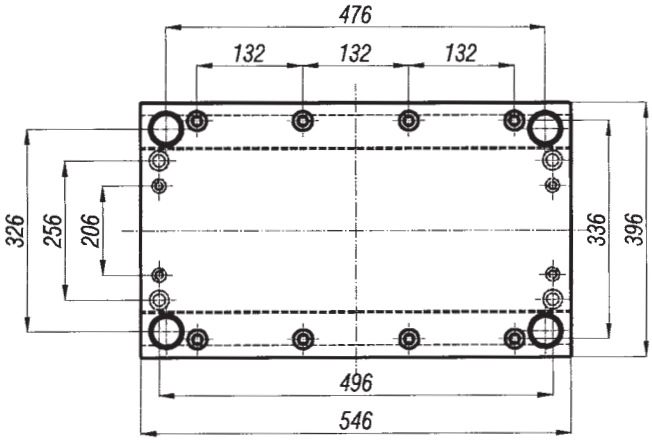
396x396



396x496

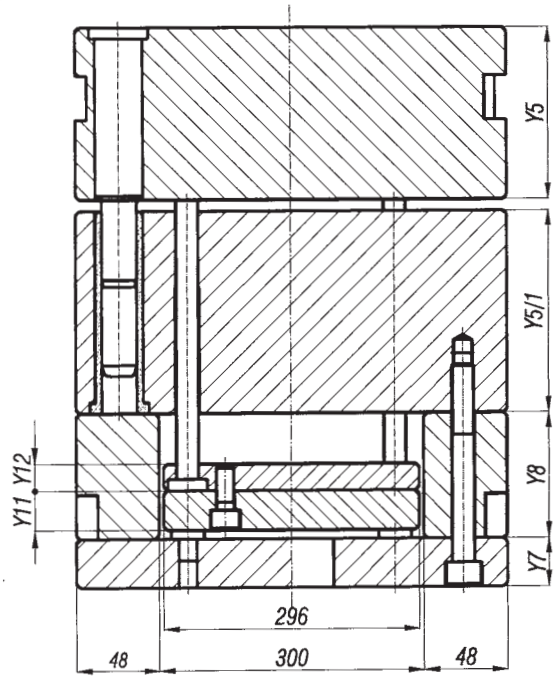


396x446

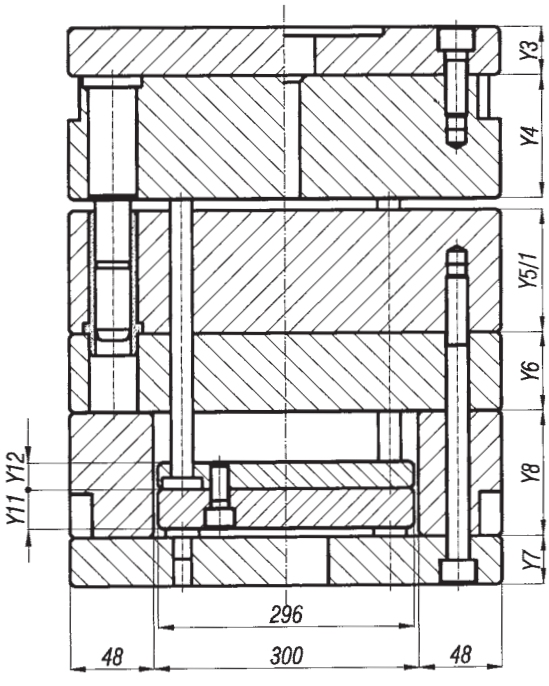


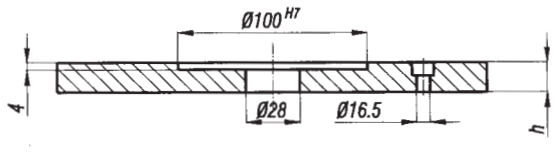
396x546

Serie XE

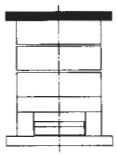


Serie X

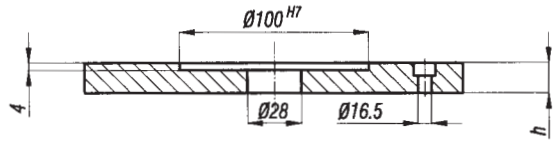




Y1

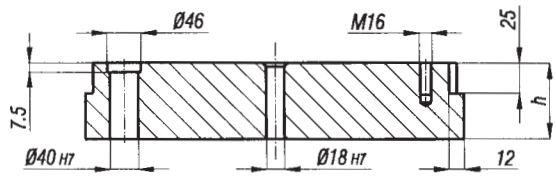


h / mat.	26							
1730	●							
2738								



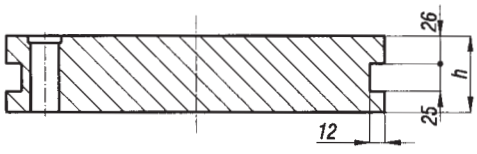
Y3

h / mat.	26							
1730	●							
2738								



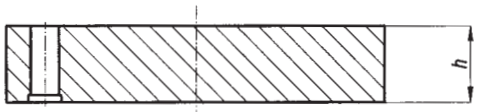
Y4

h / mat.	46	56	66	76	96			
1730	●	●	●	●	●			
2738	●	●	●	●	●			

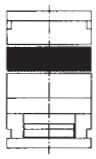


Y5

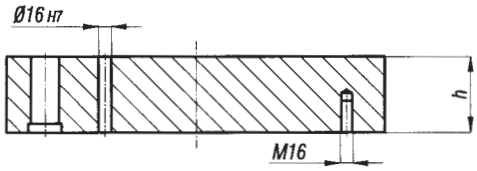
h / mat.	56	66	76	96	116	146		
1730	●	●	●	●	●	●		
2738	●	●	●	●	●	●		



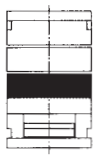
M



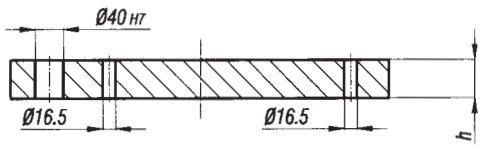
h / mat.	46	56	66	76	96	116	146	
1730	●	●	●	●	●	●	●	
2738	●	●	●	●	●	●	●	



Y5/1

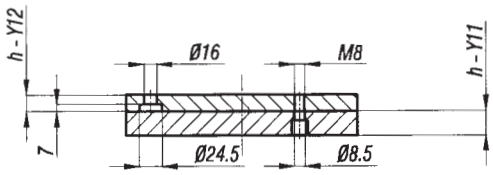


h / mat.	46	56	66	76	96	116	146	
1730	●	●	●	●	●	●	●	
2738	●	●	●	●	●	●	●	

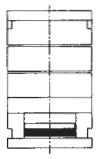


Y6

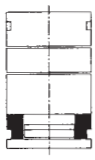
h / mat.	46							
1730	●							
2738								

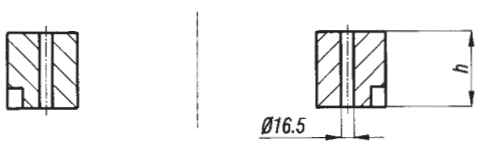


Y12 Y11

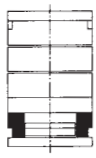


h / mat.	Y11 = 18			Y12 = 18				
1730		●			●			
2738								

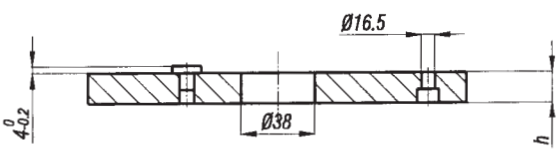




Y8

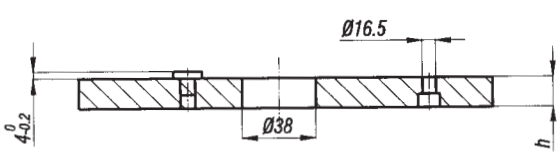


h / mat.	57	77	97	117				
1730	●	●	●	●				
2738								



Y7

h / mat.	26							
1730	●							
2738								

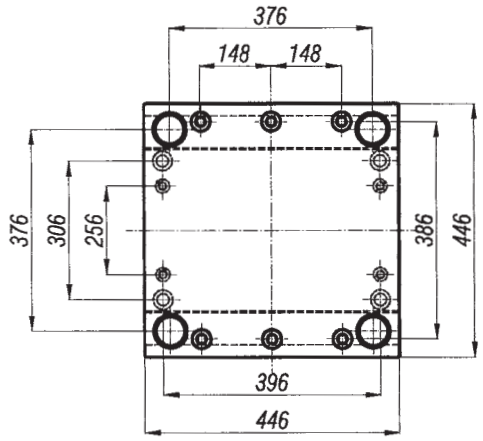


Y2

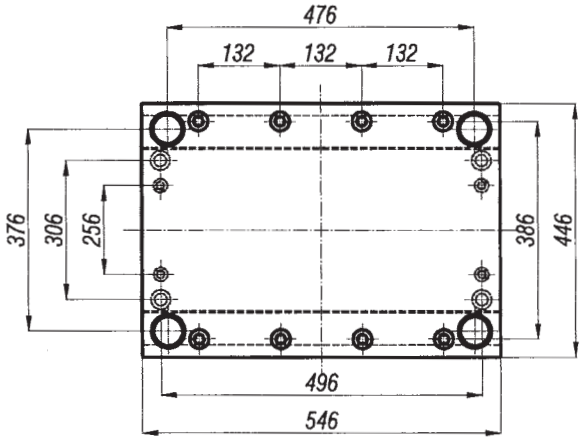
h / mat.	26							
1730	●							
2738								

TUMA

446



446x446



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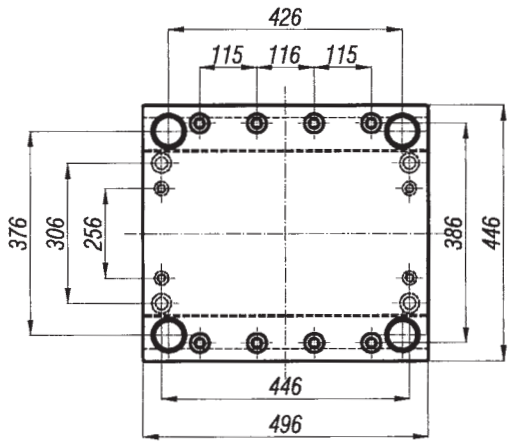

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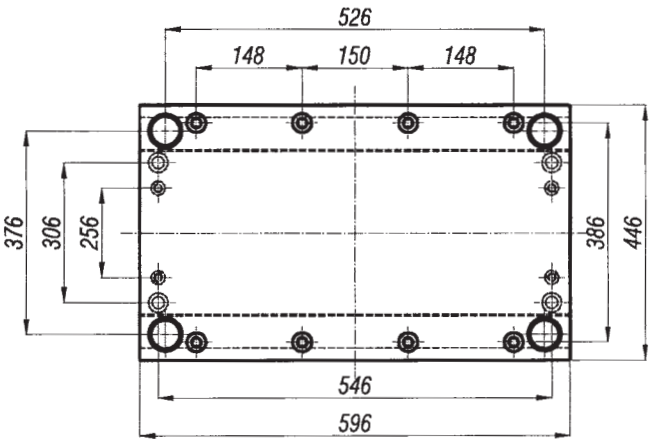
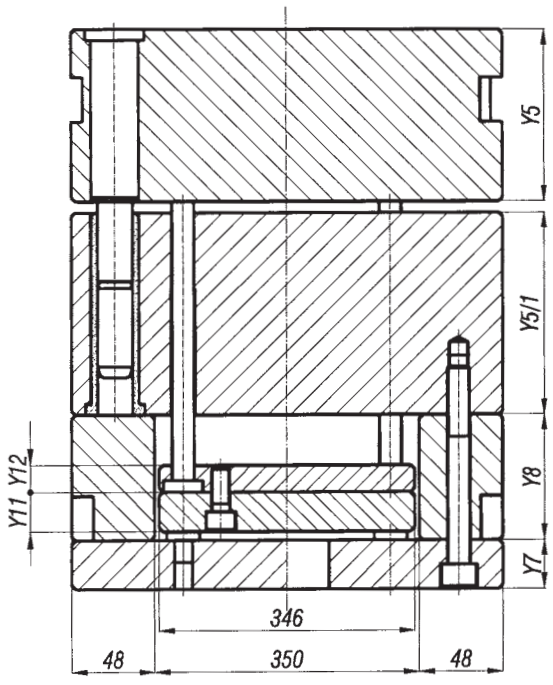
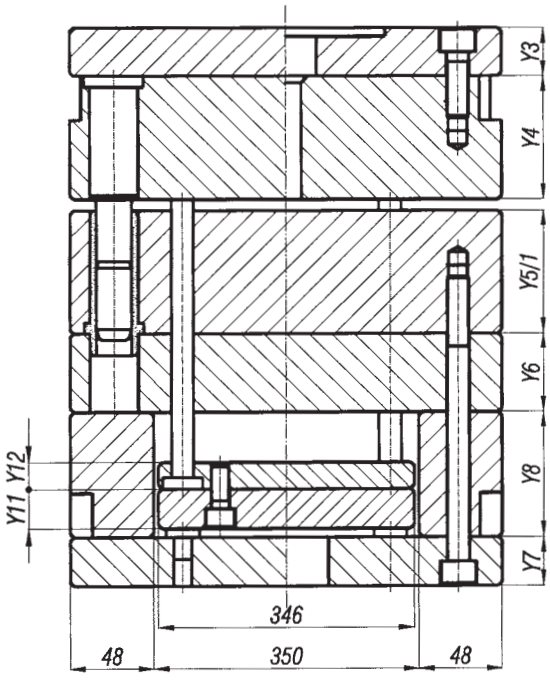


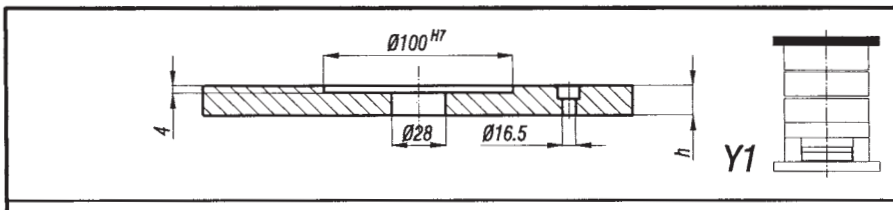
446x596

Serie XE



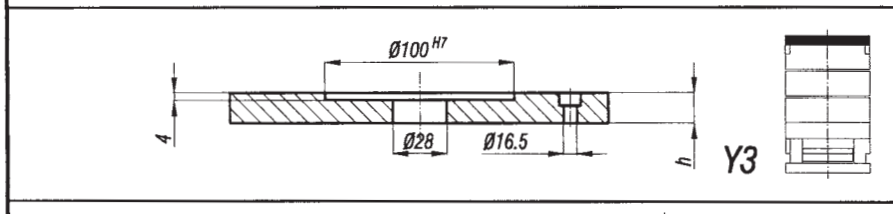
Serie X





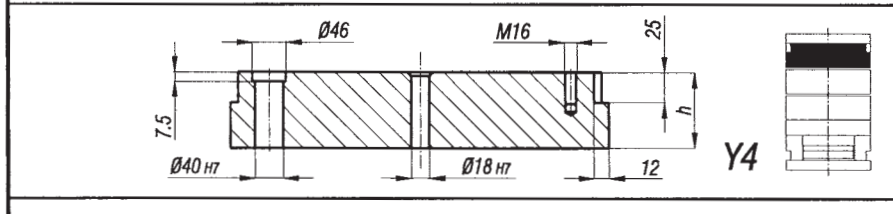
Y1

mat. \ h	36
1730	●
2738	



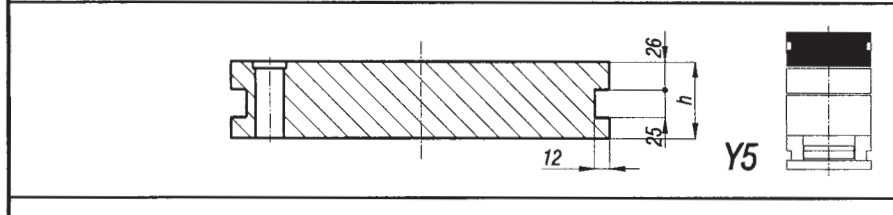
Y3

mat. \ h	26
1730	●
2738	



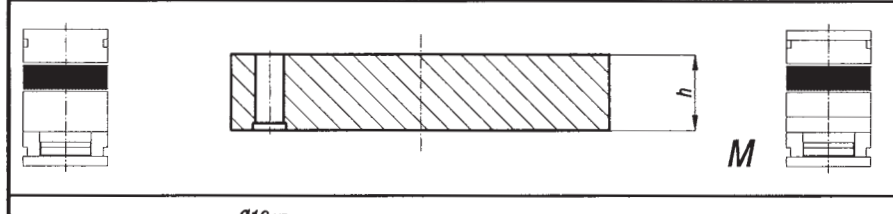
Y4

mat. \ h	46	56	66	76	96
1730	●	●	●	●	●
2738	●	●	●	●	●



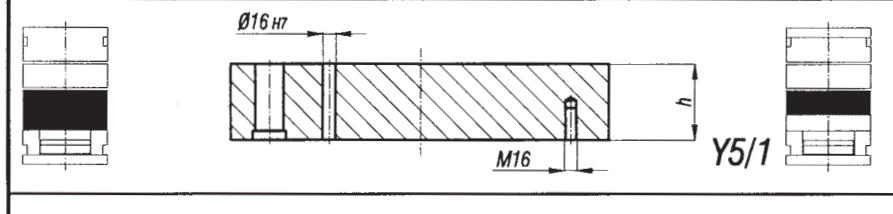
Y5

mat. \ h	66	76	96	116	146
1730	●	●	●	●	●
2738	●	●	●	●	●



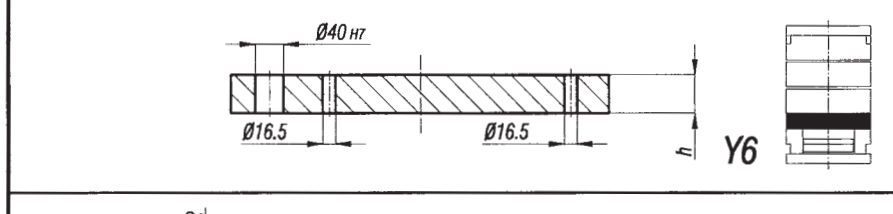
M

mat. \ h	46	56	66	76	96	116	146
1730	●	●	●	●	●	●	●
2738	●	●	●	●	●	●	●



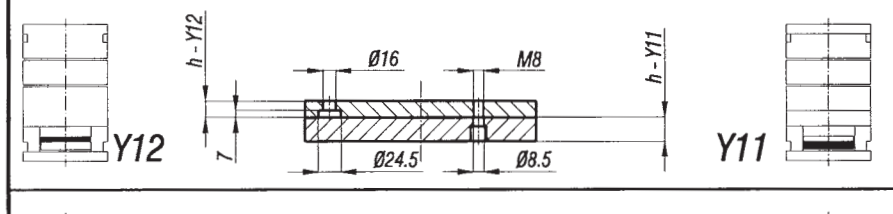
Y5/1

mat. \ h	46	56	66	76	96	116	146
1730	●	●	●	●	●	●	●
2738	●	●	●	●	●	●	●



Y6

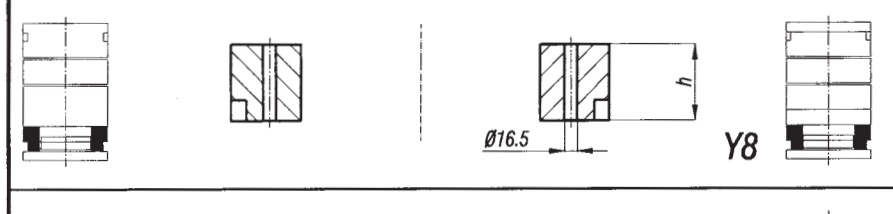
mat. \ h	46
1730	●
2738	



Y12

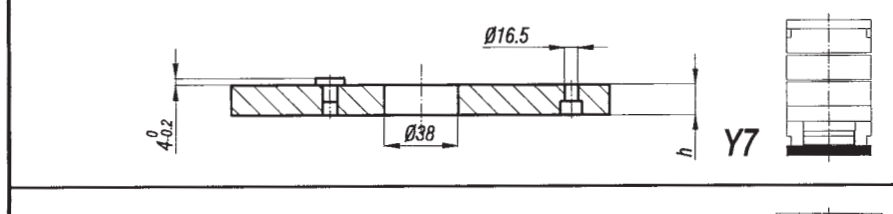
Y11

mat. \ h	Y11 = 18	Y12 = 18
1730	●	●
2738		



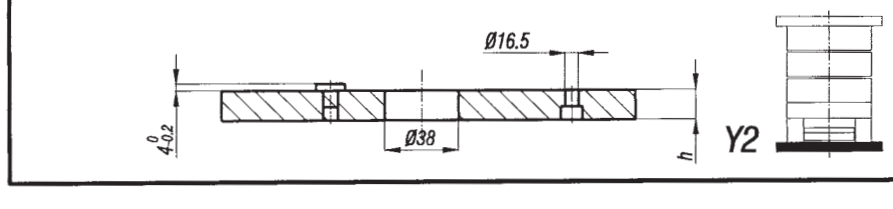
Y8

mat. \ h	57	77	97	117
1730	●	●	●	●
2738				



Y7

mat. \ h	26
1730	●
2738	

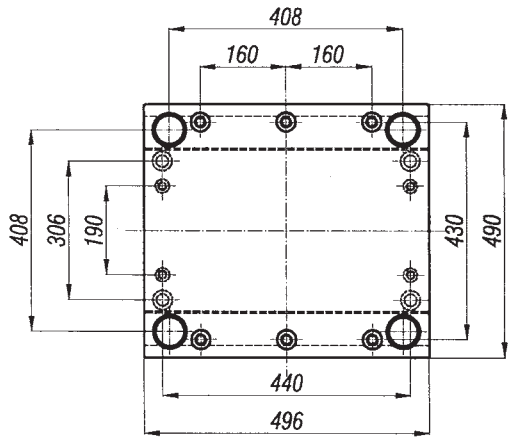


Y2

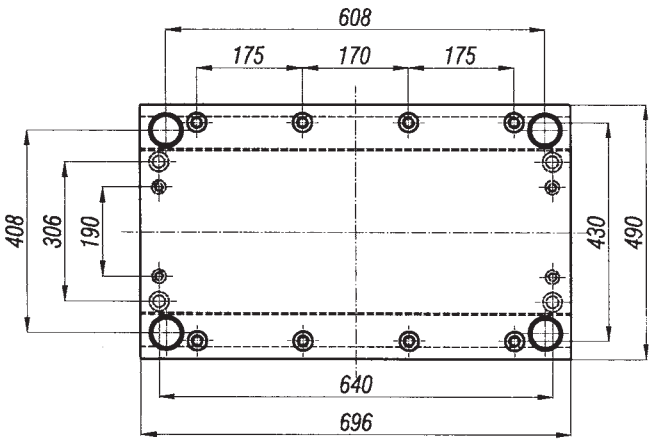
mat. \ h	36
1730	●
2738	

TUMA

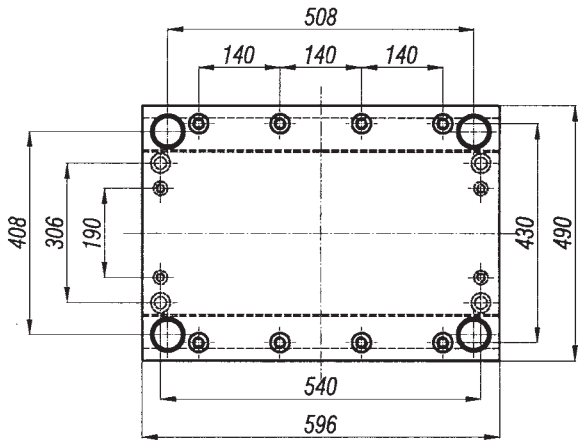
490



490x496

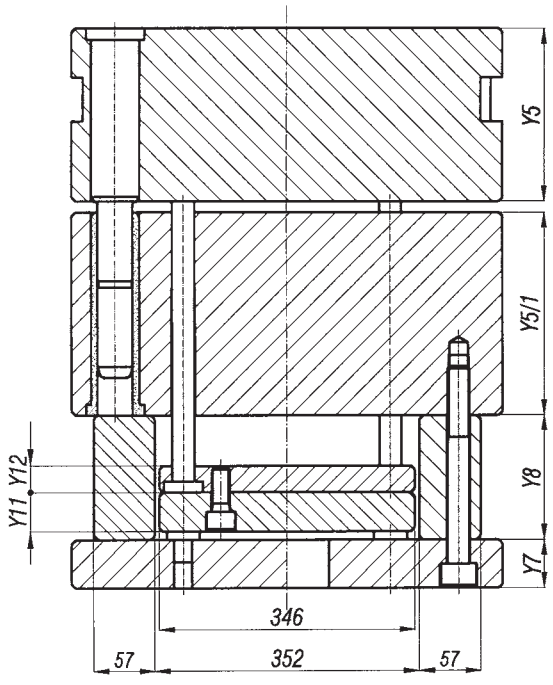


490x696

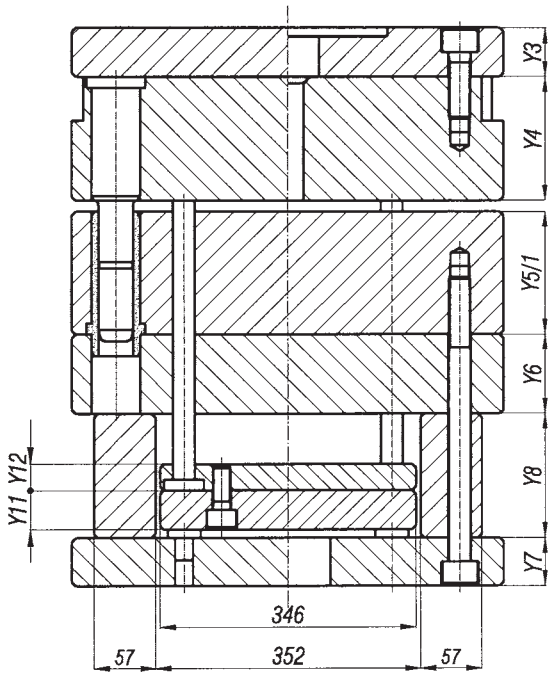


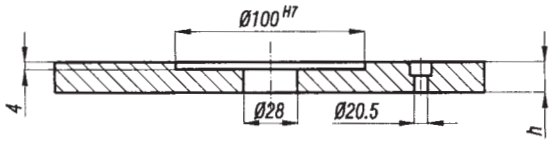
490x596

Serie XE

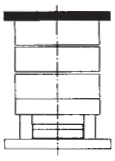


Serie X

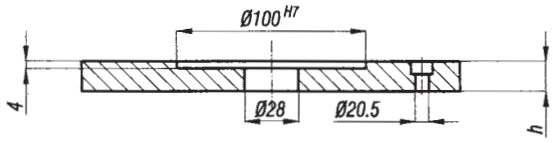




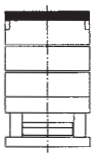
Y1



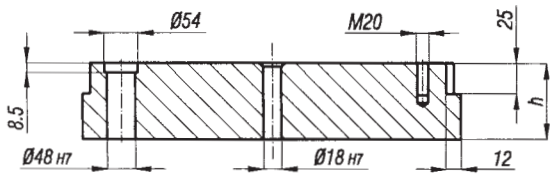
mat. \ h	36							
1730	●							
2738								



Y3

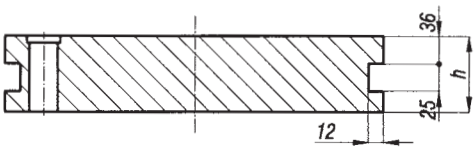


mat. \ h	36							
1730	●							
2738								

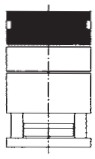


Y4

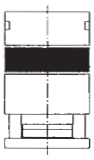
mat. \ h	46	56	66	76	96	116		
1730	●	●	●	●	●	●		
2738	●	●	●	●	●	●		



Y5

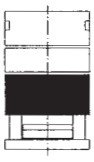


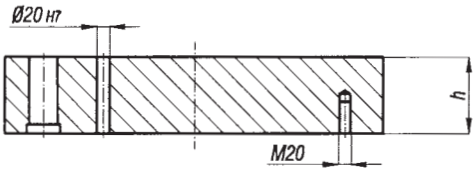
mat. \ h	66	76	96	116	146	170		
1730	●	●	●	●	●	●		
2738	●	●	●	●	●	●		



M

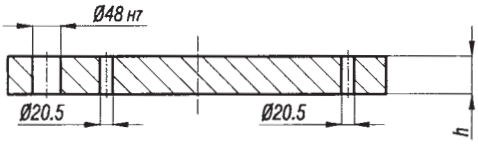
mat. \ h	46	56	66	76	96	116	146	170
1730	●	●	●	●	●	●	●	●
2738	●	●	●	●	●	●	●	●





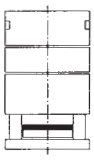
Y5/1

mat. \ h	46	56	66	76	96	116	146	170
1730	●	●	●	●	●	●	●	●
2738	●	●	●	●	●	●	●	●

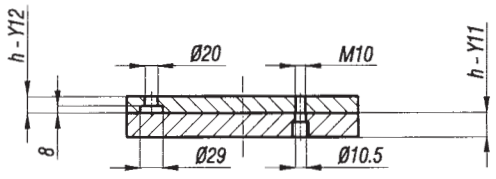


Y6

mat. \ h	56							
1730	●							
2738								

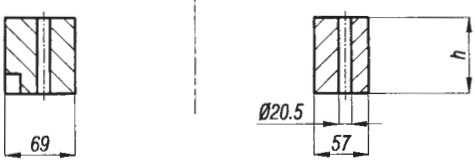


Y12



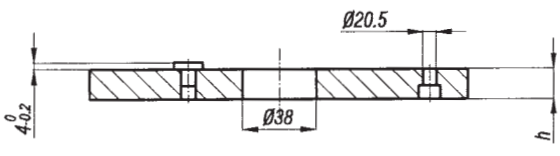
Y11

mat. \ h	Y11 = 22		Y12 = 22					
1730		●		●				
2738								



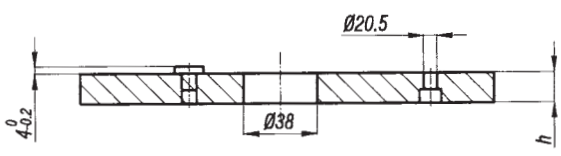
Y8 Y9

mat. \ h	77	97	117					
1730	●	●	●					
2738								



Y7

mat. \ h	36							
1730	●							
2738								



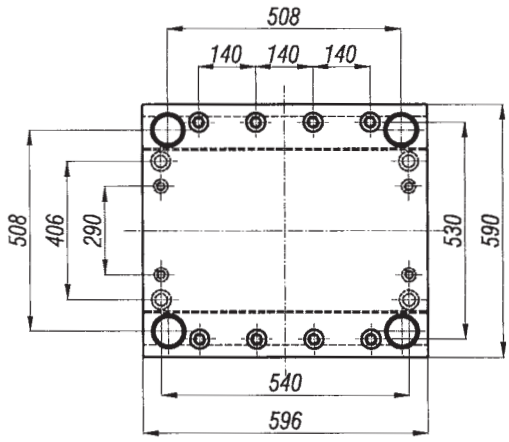
Y2

mat. \ h	36							
1730	●							
2738								

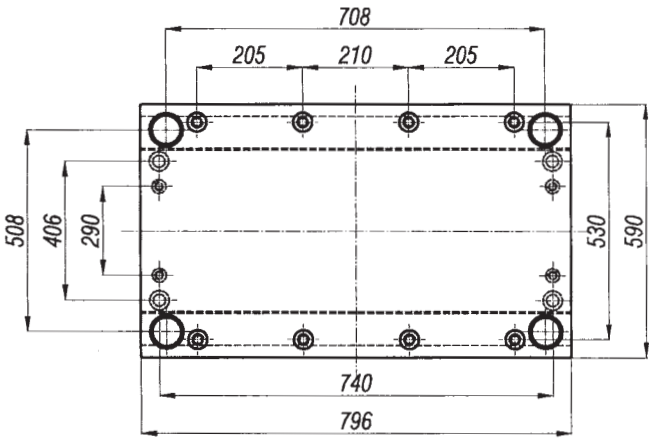
B10/02

TUMA

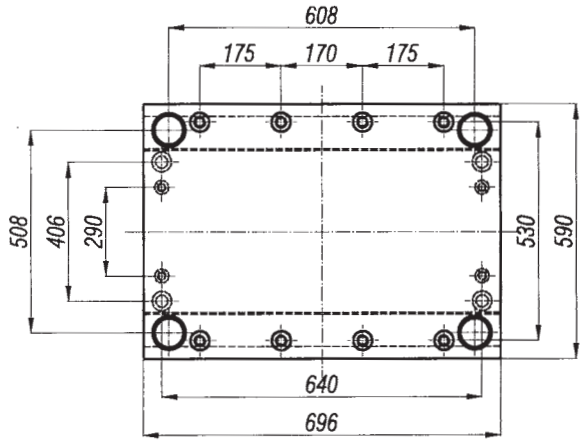
590



590x596

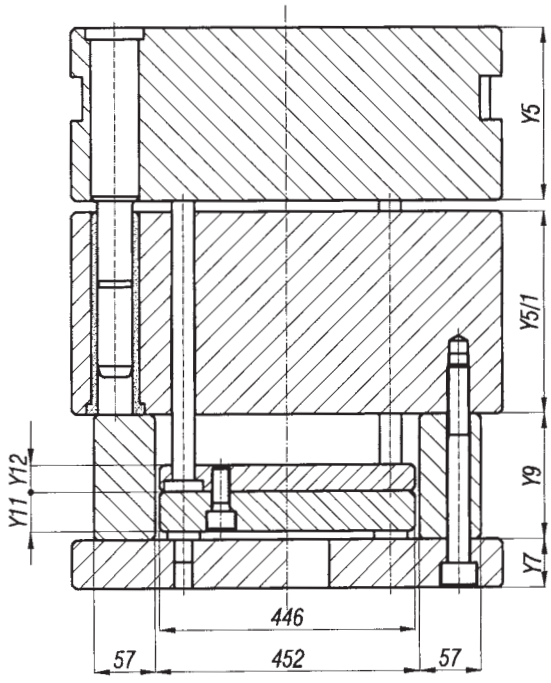


590x796

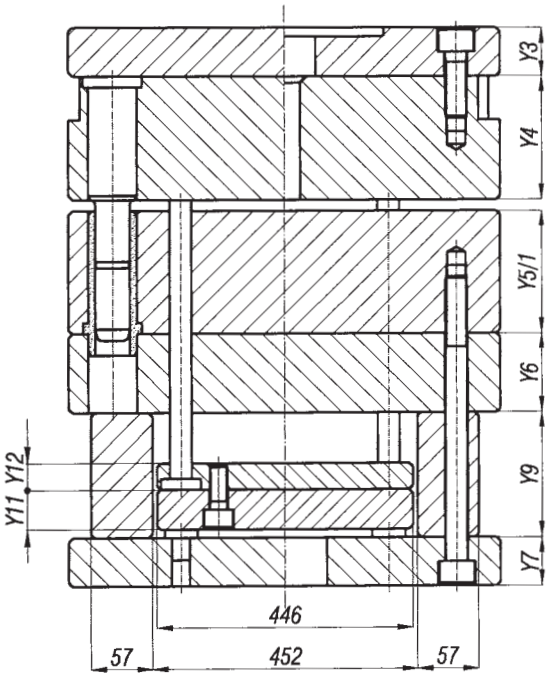


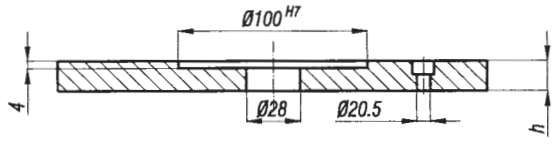
590x696

Serie XE



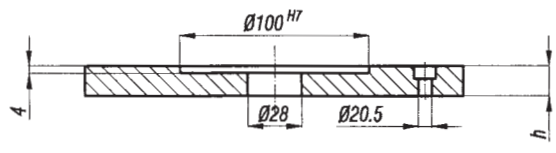
Serie X





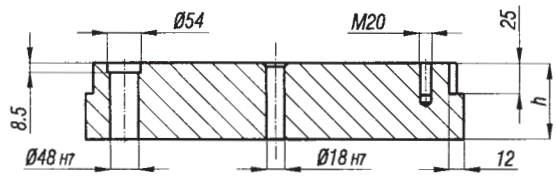
Y1

mat. \ h	36							
1730	●							
2738								



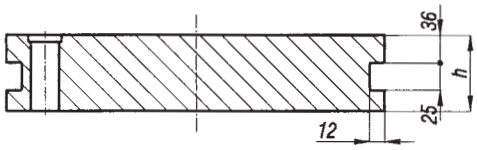
Y3

mat. \ h	36							
1730	●							
2738								



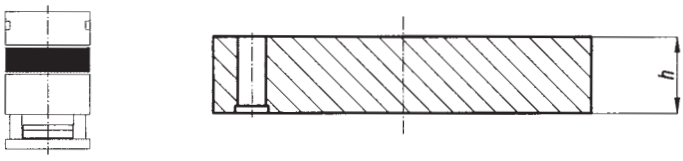
Y4

mat. \ h	46	56	66	76	96	116		
1730	●	●	●	●	●	●		
2738	●	●	●	●	●	●		



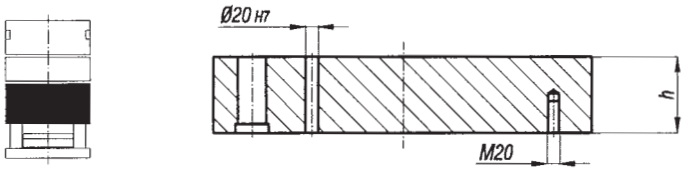
Y5

mat. \ h	66	76	96	116	146	170		
1730	●	●	●	●	●	●		
2738	●	●	●	●	●	●		



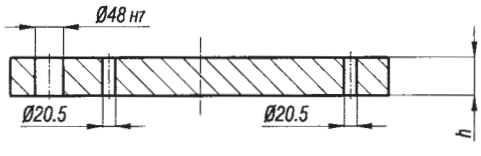
M

mat. \ h	46	56	66	76	96	116	146	170
1730	●	●	●	●	●	●	●	●
2738	●	●	●	●	●	●	●	●



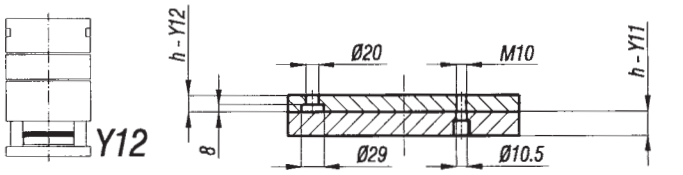
Y5/1

mat. \ h	46	56	66	76	96	116	146	170
1730	●	●	●	●	●	●	●	●
2738	●	●	●	●	●	●	●	●



Y6

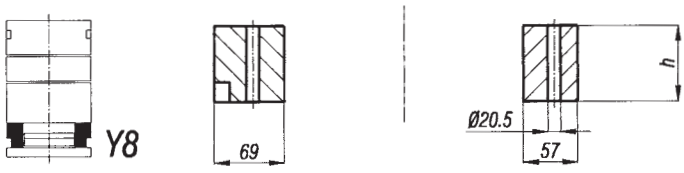
mat. \ h	56							
1730	●							
2738								



Y12

Y11

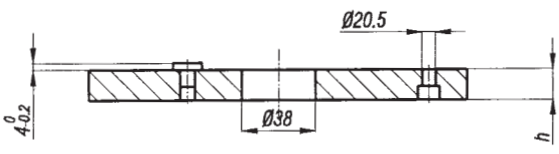
mat. \ h	Y11 = 22		Y12 = 22					
1730	●		●					
2738								



Y8

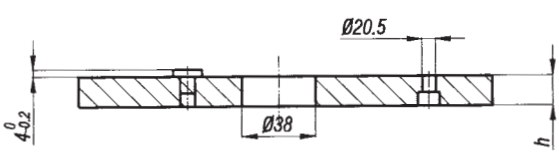
Y9

mat. \ h	77	97	117					
1730	●	●	●					
2738								



Y7

mat. \ h	36							
1730	●							
2738								



Y2

mat. \ h	36							
1730	●							
2738								

TVM

- Tavolino Guidato
- Table Guidee
- Mesa Orientada

- Guided Table
- Gefuehrter Tisch

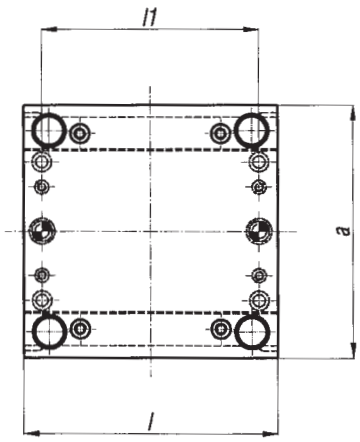


Fig. 1

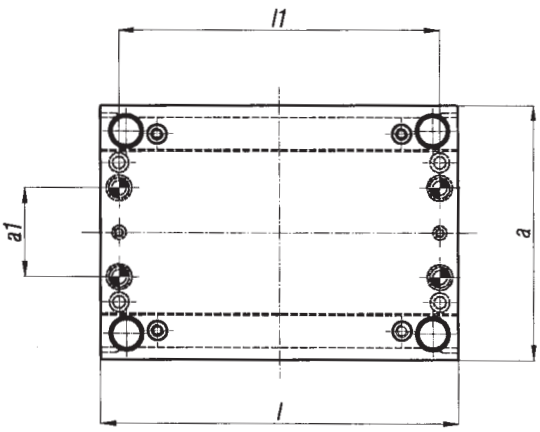


Fig. 2

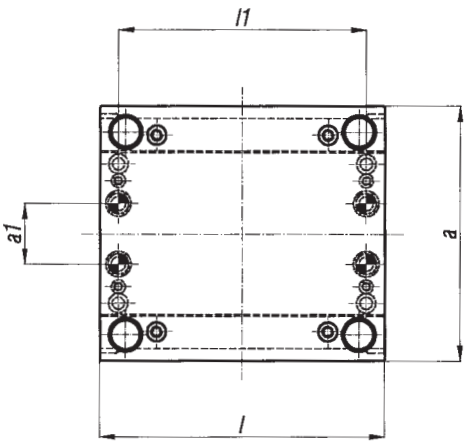


Fig. 3

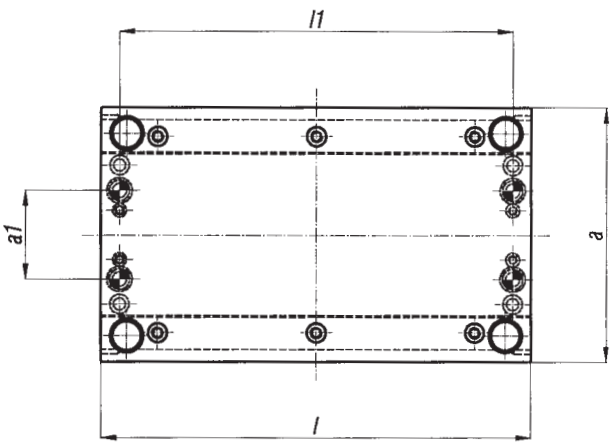
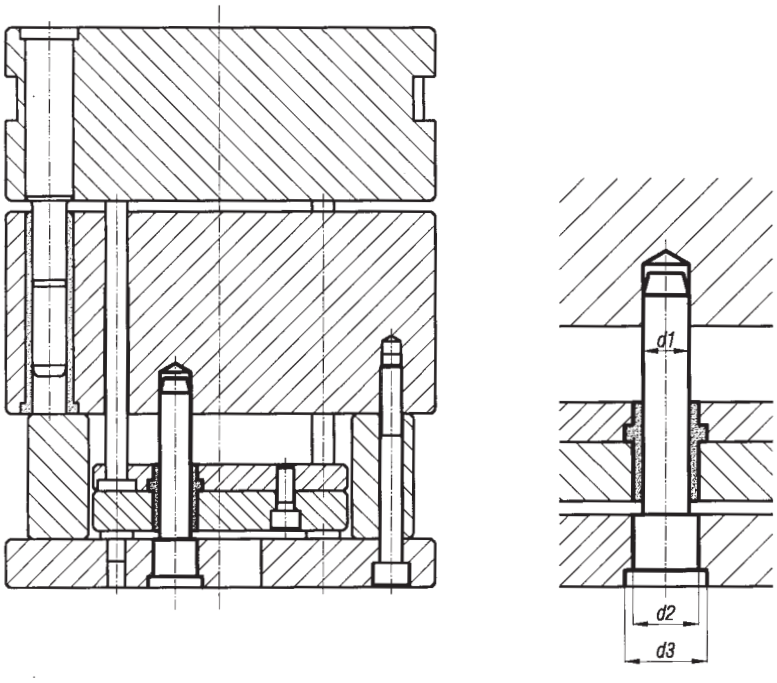
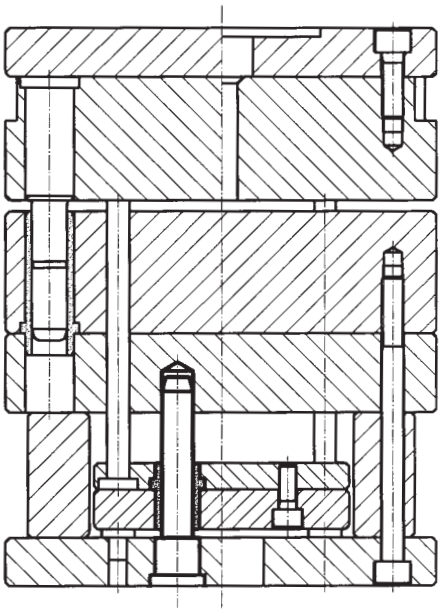


Fig. 4

Serie XE

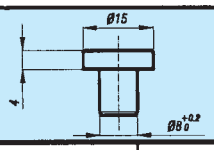


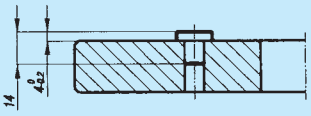
Serie X



SERIE		DIMENSIONI			Fig. 1	Fig. 2		Fig. 3		Fig. 4	
a	l	d1	d2	d3	l1	a1	l1	a1	l1	a1	l1
156	156	Ø14	Ø20	Ø25	120						
	196				160						
	246				210						
196	196				160	50	160				
	246				210		210				
	296				260		260				
	346				310		310				
246	246				210	80	210				
	296				260		260				
	346				310		310				
	396				360		360				
296	296				256			90	256		
	346				306				306		
	396				356				356		
	446				406				406		
346	346				306			140	306		
	396				356				356		
	446				406				406		
	496				456				456		
396	396	Ø16	Ø22	Ø26.5	346			168	346		
	446				396				396		
	496				446				446		
	546				496				496		
446	446				396			210	396		
	496				446				446		
	546				496				496		
	596				546				546		
490	496	Ø20	Ø28	Ø33.5	440					240	440
	546				540						540
	696				640						640
590	596				540					340	540
	696				640						640
	796				740						740

TUMI





PUN

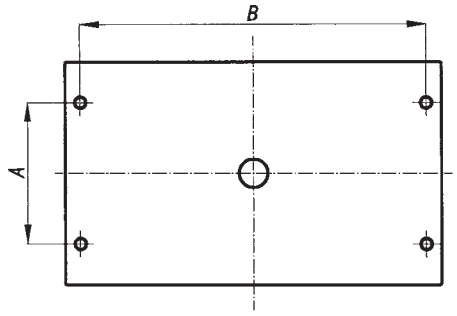


Fig. 1

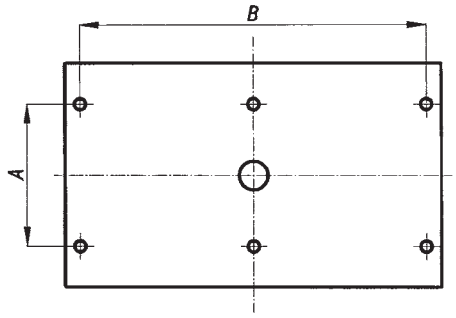


Fig. 2

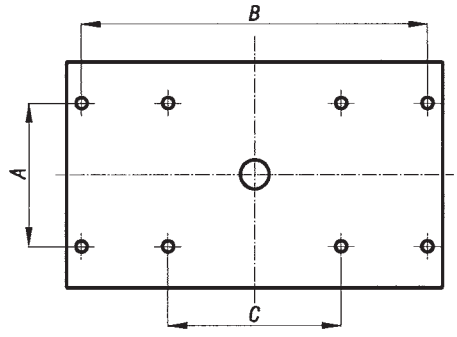


Fig. 3

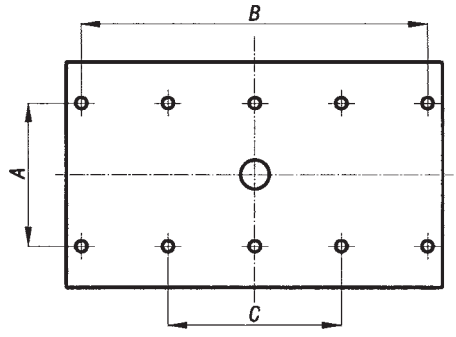


Fig. 4

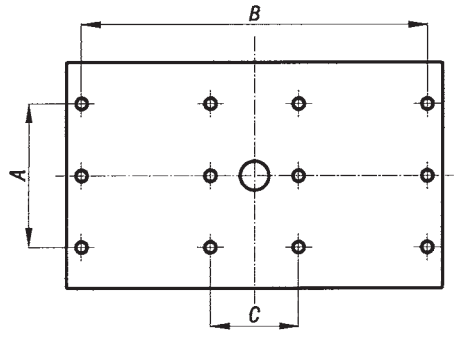


Fig. 5

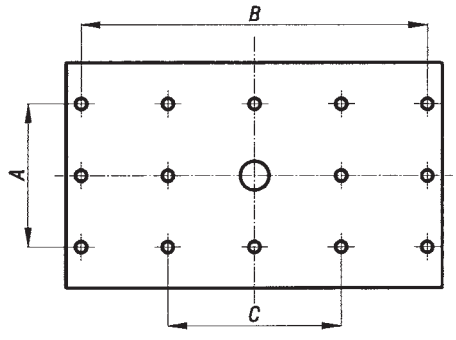


Fig. 6

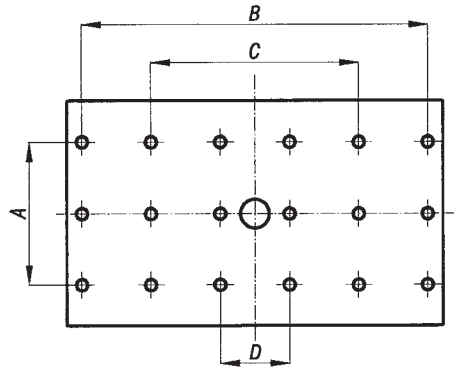


Fig. 7

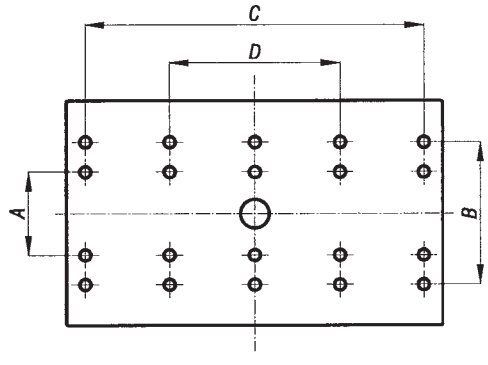


Fig. 8

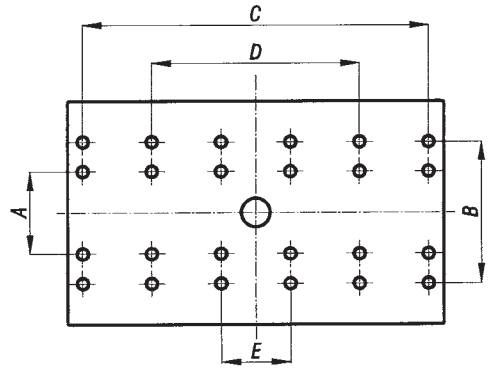


Fig. 9

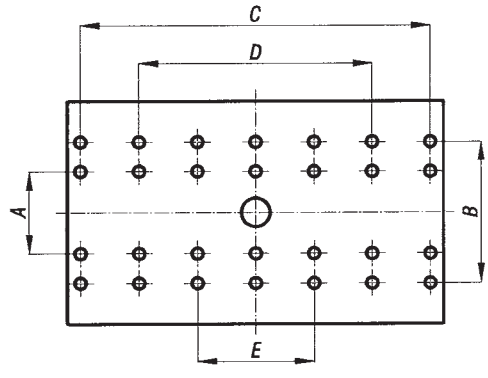
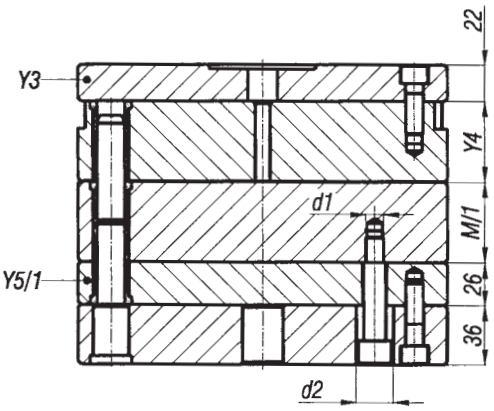
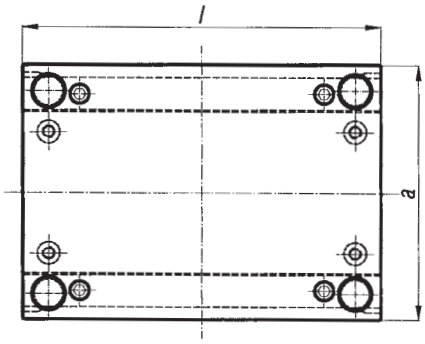


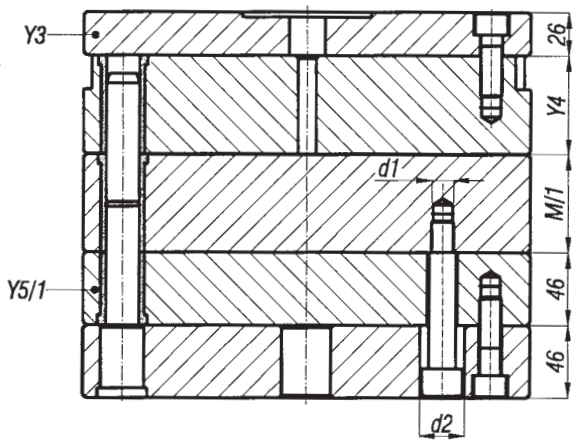
Fig. 10

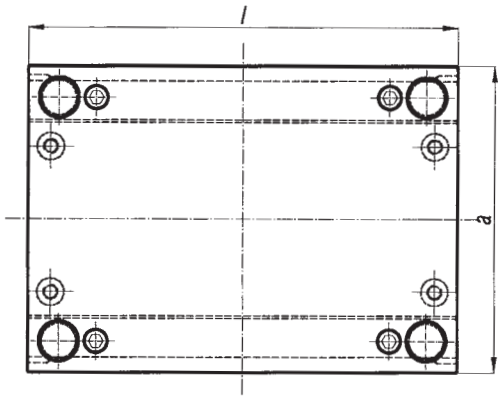
Interassi appoggi tavolini in piastre di fondo								
largh.	lungh.	figura	n° appoggi	" A "	" B "	" C "	" D "	" E "
156	156	1	4	76	120			
	196	1	4	76	160			
	246	2	6	76	210			
196	196	1	4	94	160			
	246	2	6	94	210			
	296	2	6	94	260			
	346	3	8	94	310	104		
246	246	2	6	128	210			
	296	2	6	128	260			
	346	3	8	128	310	104		
	396	3	8	128	360	120		
296	296	2	6	166	256			
	346	3	8	166	306	102		
	396	3	8	166	356	118		
	446	4	10	166	406	202		
346	346	5	12	216	306	102		
	396	5	12	216	356	118		
	446	6	14	216	406	202		
	496	6	14	216	456	228		
396	396	5	12	256	346	116		
	446	6	14	256	396	198		
	496	6	14	256	446	224		
	546	6	14	256	496	248		
446	446	6	14	306	396	198		
	496	6	14	306	446	224		
	546	7	18	306	496	300	100	
	596	7	18	306	546	330	110	
490	496	8	20	102	306	440	220	
	596	8	20	102	306	540	270	
	696	9	24	102	306	640	384	128
590	596	8	20	136	406	540	270	
	696	9	24	136	406	640	384	128
	796	10	28	136	406	740	492	246



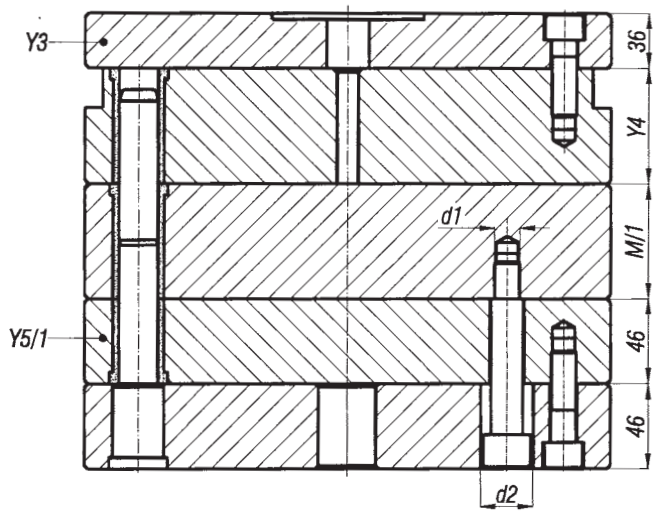


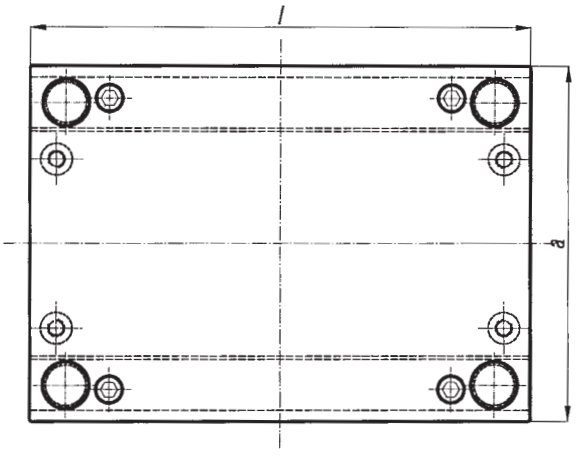
156 - 196 - 246





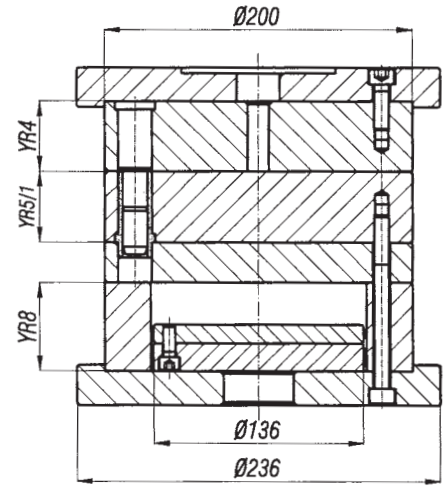
296 - 346 - 396 - 446

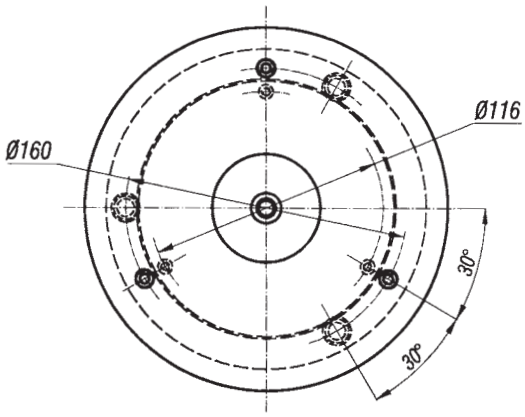




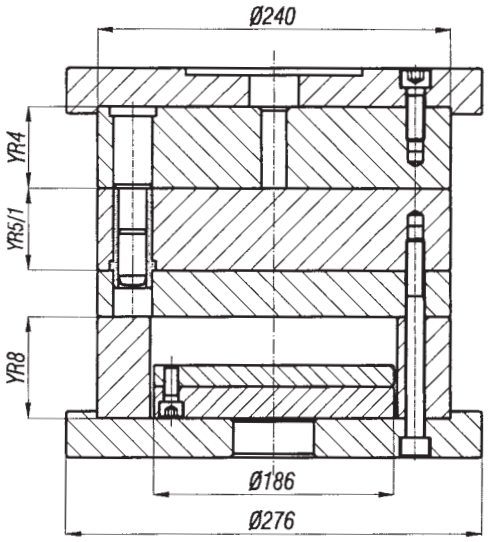
490 - 590

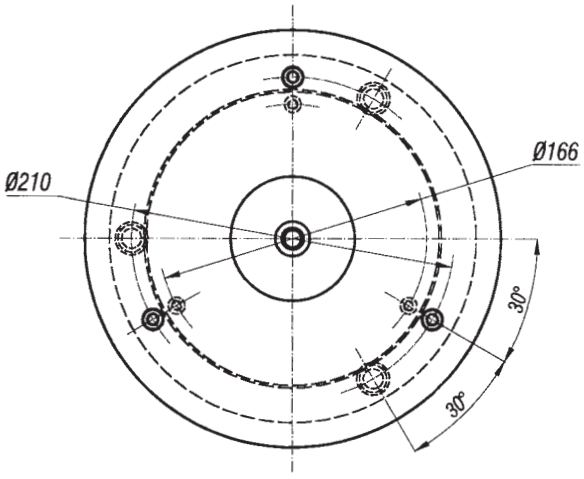
Mat. 1730 2738				Y4 - M/1 h										
a	l	d1	d2	26	36	46	56	66	76	96	116	146	170	
156	156	M8	Ø16	•	•	•	•							
	196			•	•	•	•							
	246			•	•	•	•							
196	196			•	•	•	•	•	•	•				
	246			•	•	•	•	•	•	•				
	296			•	•	•	•	•	•	•				
	346			•	•	•	•	•	•	•				
246	246	M10	Ø18	•	•	•	•	•	•	•				
	296			•	•	•	•	•	•	•				
	346			•	•	•	•	•	•	•				
	396			•	•	•	•	•	•	•				
296	296				•	•	•	•	•	•	•			
	346				•	•	•	•	•	•	•			
	396				•	•	•	•	•	•	•			
	446				•	•	•	•	•	•	•			
346	346					•	•	•	•	•	•			
	396					•	•	•	•	•	•			
	446					•	•	•	•	•	•			
	496					•	•	•	•	•	•			
396	396	M12	Ø24			•	•	•	•	•	•			
	446					•	•	•	•	•	•			
	496					•	•	•	•	•	•			
	546					•	•	•	•	•	•			
446	446					•	•	•	•	•	•			
	496					•	•	•	•	•	•			
	546					•	•	•	•	•	•			
	596					•	•	•	•	•	•			
490	496	M16	Ø30			•	•	•	•	•	•	•		
	546					•	•	•	•	•	•	•		
	696					•	•	•	•	•	•	•		
590	596					•	•	•	•	•	•	•		
	696					•	•	•	•	•	•	•		
	796					•	•	•	•	•	•	•		



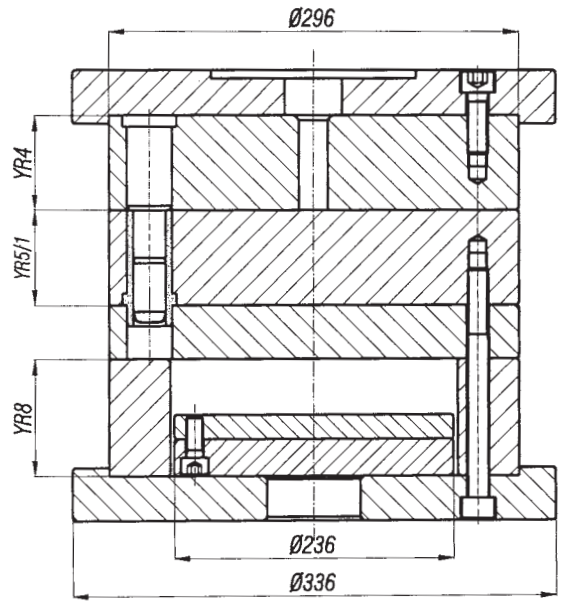


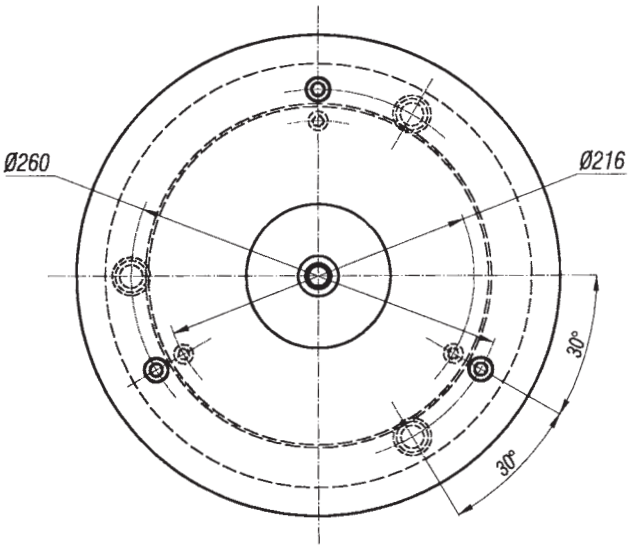
R 200



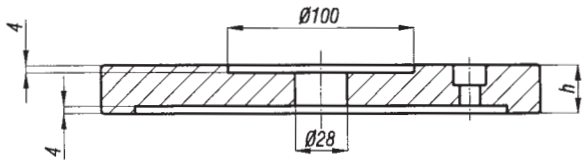


R 240



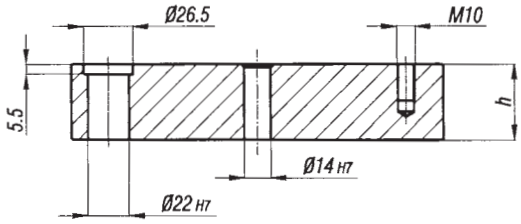


R 296



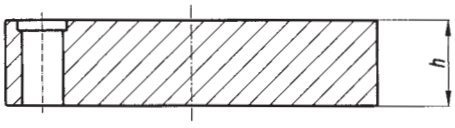
YR1

h / mat.	26
1730	●



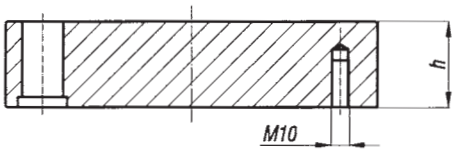
YR4

h / mat.	26	36	46	56	66	76
1730	●	●	●	●	●	●
2738	●	●	●	●	●	●



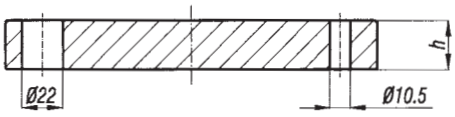
RM

h / mat.	26	36	46	56	66	76
1730	●	●	●	●	●	●
2738	●	●	●	●	●	●



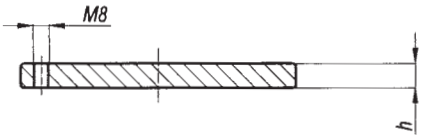
YR5/1

h / mat.	26	36	46	56	66	76
1730	●	●	●	●	●	●
2738	●	●	●	●	●	●



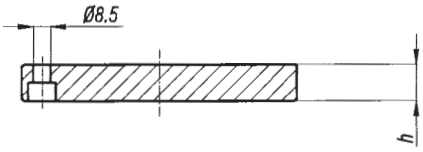
YR6

h / mat.	26
1730	●



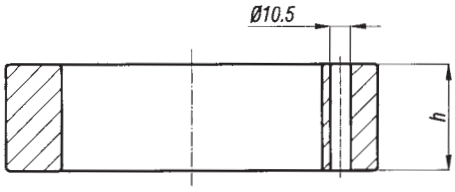
YR12

h / mat.	12
1730	●



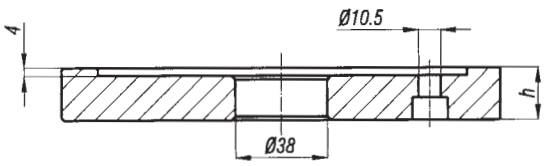
YR11

h / mat.	18
1730	●



YR8

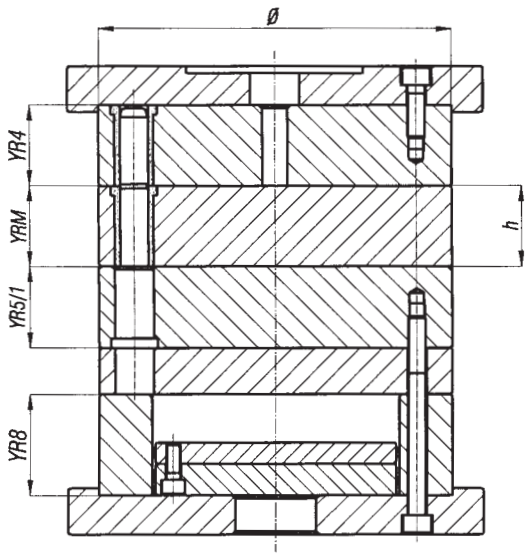
h / mat.	57	77	97
1730	●	●	●



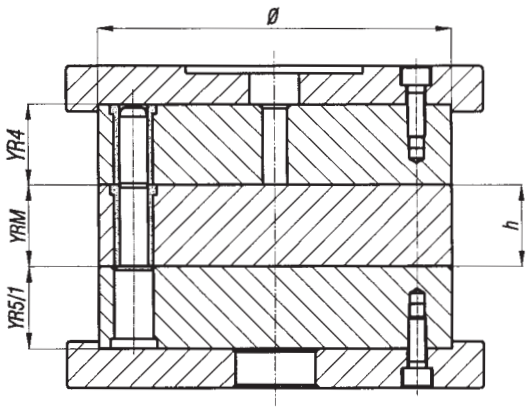
YR2

h / mat.	26
1730	●

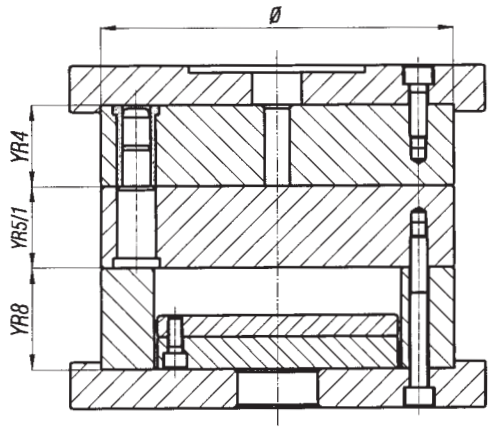
TUMA



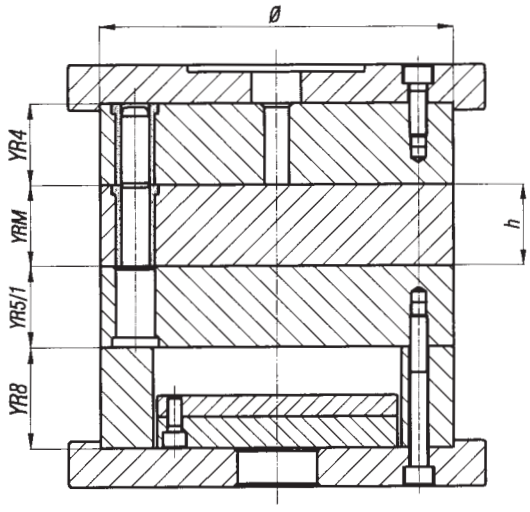
R + RM



RT



R - YR6

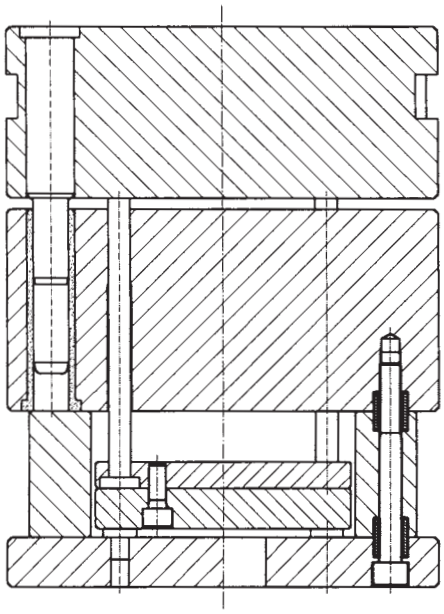


R - YR6 + RM

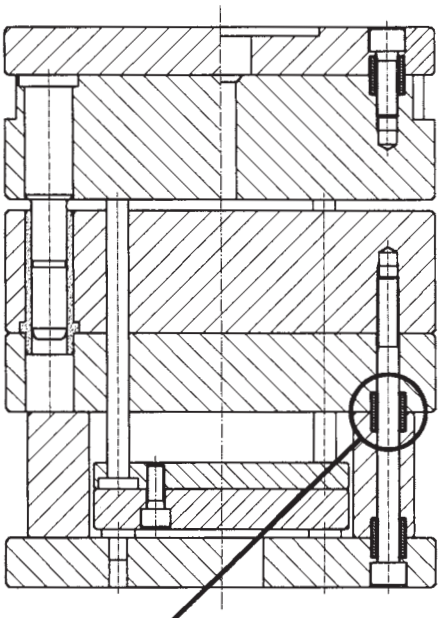
TUMA

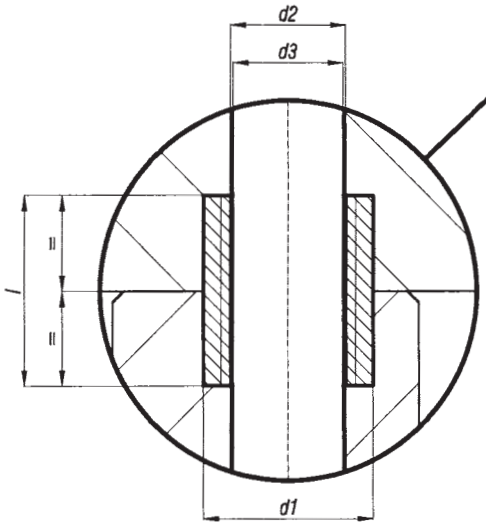
- Bussole di Guida
- Douilles de Guidage
- Pasadores-Guia
- Guide Bushing
- Fuehrungsbuechsen

Serie XE



Serie X



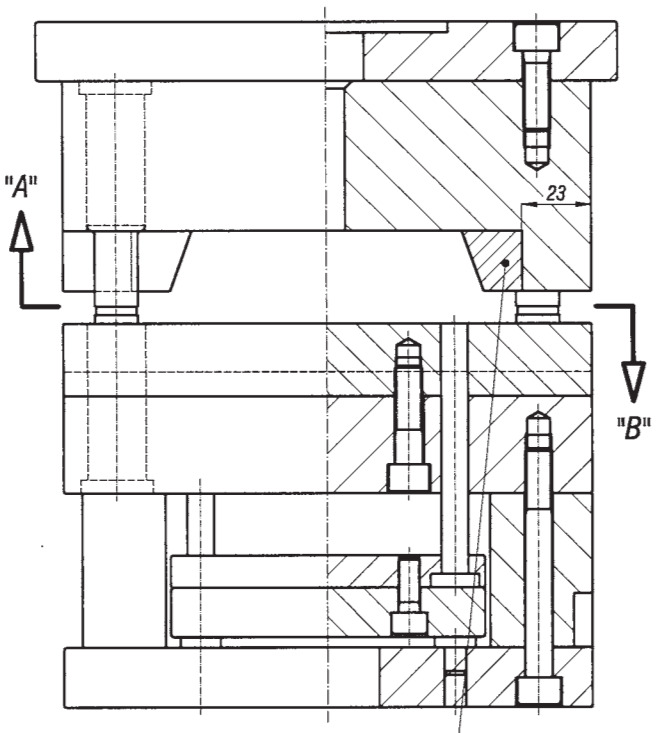


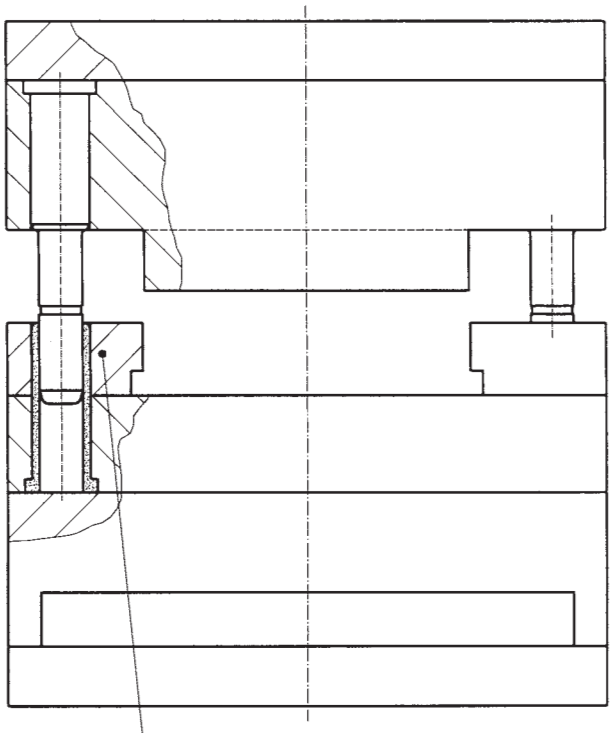
Materiale : 18NiCrMo5 o 16CrNi4

Durezza superficiale : HRc 61÷63

d1	d2	d3	l
Ø18 n6	M12	M10	16
Ø18 n6	M14	M12	16
			20
Ø20 n6	M16	M14	16
Ø22 n6	M18	M16	16
Ø28 n6	M22	M20	26

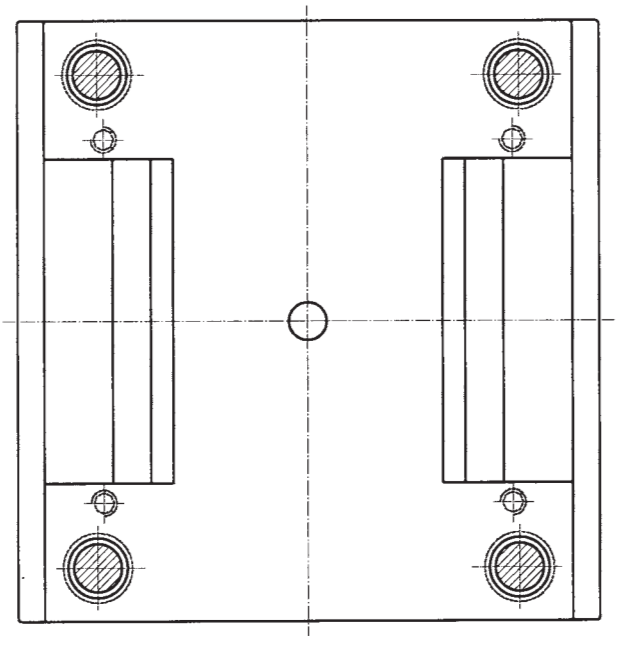
B16/02



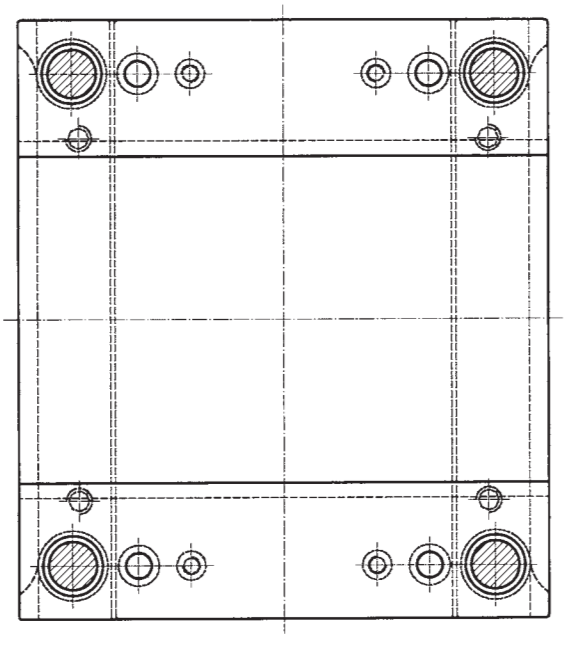


TCX
TCZ

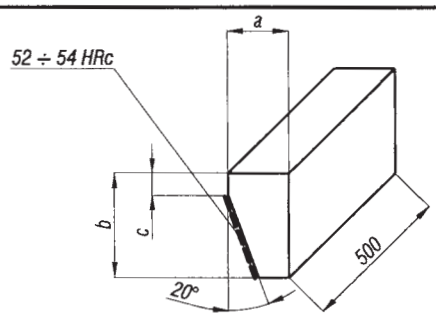
GSX
GSZ
GSY



Sezione "A"



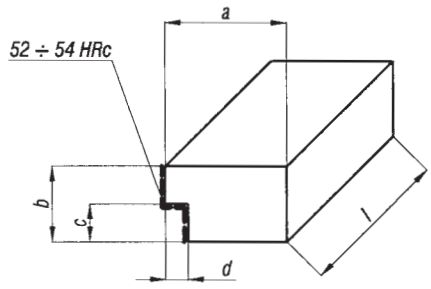
Sezione "B"



dim.	TCX	TCZ
a	25	20
b	46	26
c	4	4

Mat. : DIN 1.2738

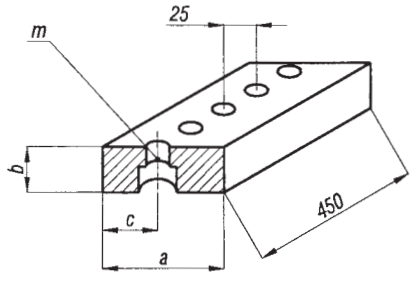
52 ÷ 54 HRc



dim.	GSX	GSZ	GSY
a	55	55	36
b	48	28	28
c	8	8	8
d	4	4	4
l	296	196	156
	346	246	196
	396	296	246
	446		
	500	500	500

Mat. : DIN 1.2738

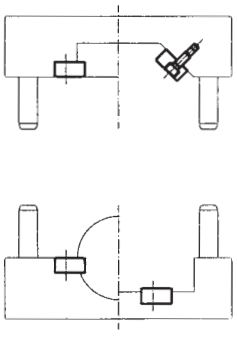
52 ÷ 54 HRc

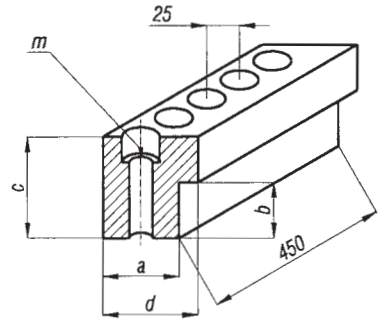


dim.	PGX	PGZ
a	$22\ ^{0}_{-0.02}$	$17\ ^{0}_{-0.02}$
b	$9\ ^{0}_{-0.02}$	$6\ ^{0}_{-0.02}$
c	10	7.5
m	TCEI M6	TCEI M5

Mat. : DIN 1.2842

52 ÷ 54 HRc

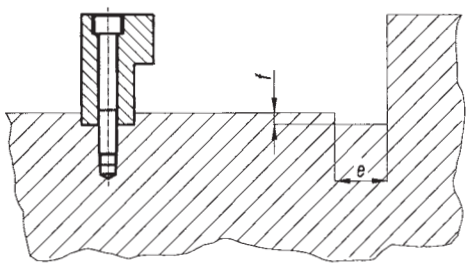


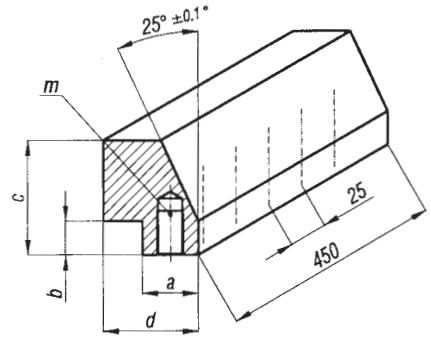


dim.	GLX	GLZ
a	$14\ ^{0}_{-0.02}$	$14\ ^{0}_{-0.02}$
b	$10\ ^{+0.02}_{0}$	$10\ ^{+0.02}_{0}$
c	$24\ ^{+0.04}_{0}$	$19\ ^{+0.04}_{0}$
d	$19\ ^{0}_{-0.04}$	$19\ ^{0}_{-0.04}$
e	$14\ ^{+0.02}_{0}$	$14\ ^{+0.02}_{0}$
f	$2\ ^{+0.02}_{0}$	$2\ ^{+0.02}_{0}$
m	TCEI M6	TCEI M6

Mat. : DIN 1.2842

52 ÷ 54 HRc

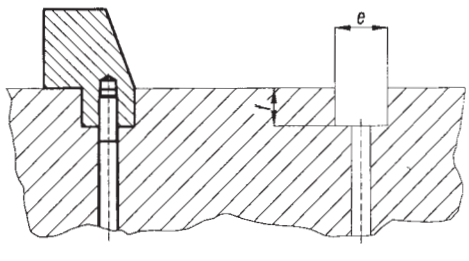


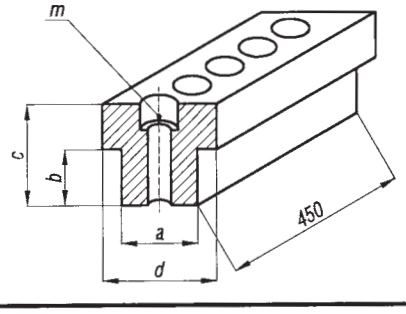


dim.	CX	CZ
a	$20\ ^{0}_{-0.02}$	$14\ ^{0}_{-0.02}$
b	$12\ ^{0}_{-0.02}$	$10\ ^{0}_{-0.02}$
c	34	24
d	34	24
e	$20\ ^{+0.02}_{0}$	$14\ ^{+0.02}_{0}$
f	$12\ ^{+0.02}_{0}$	$10\ ^{+0.02}_{0}$
m	M10	M8

Mat. : DIN 1.2343

52 ÷ 54 HRc

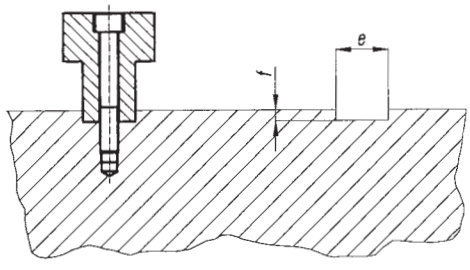


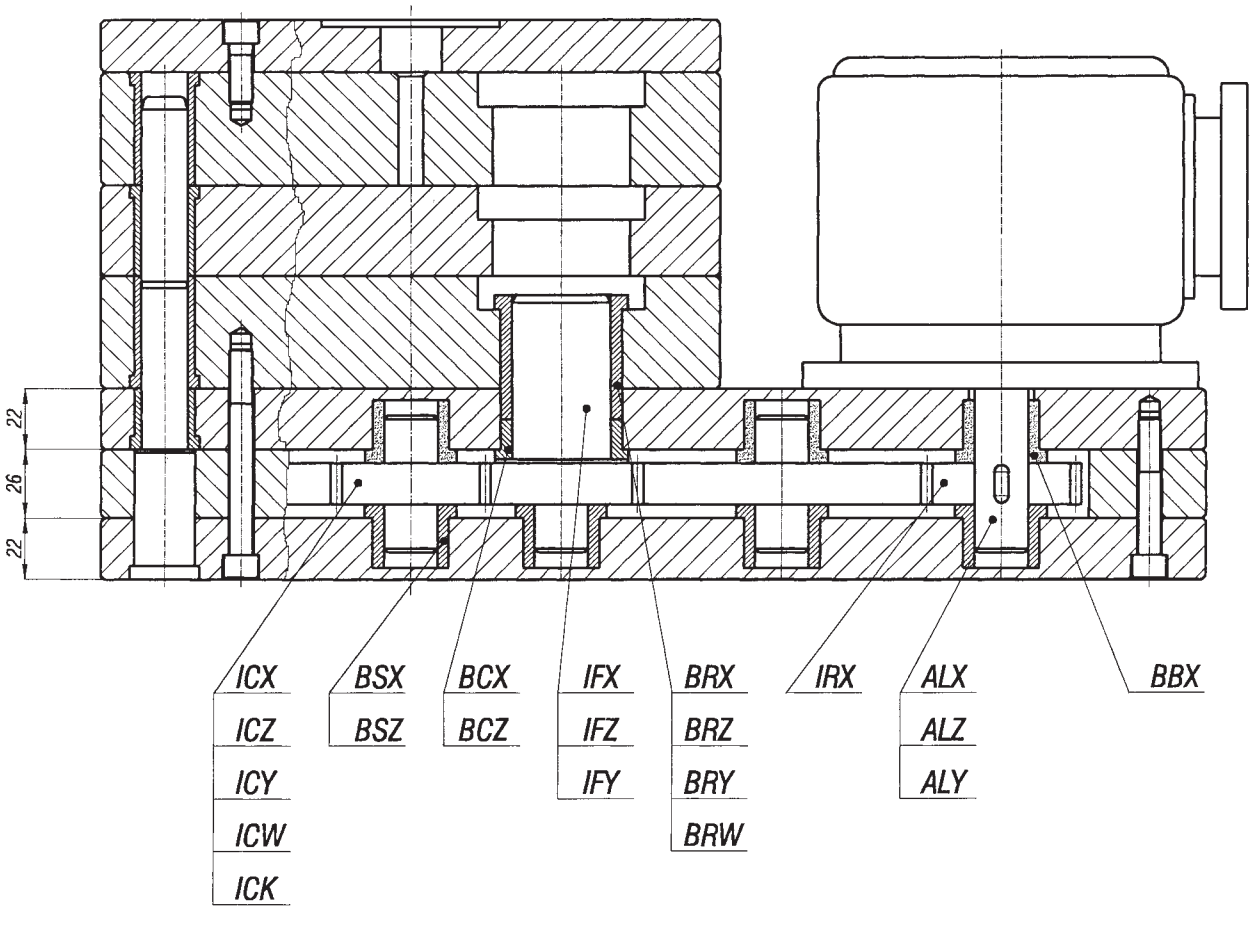


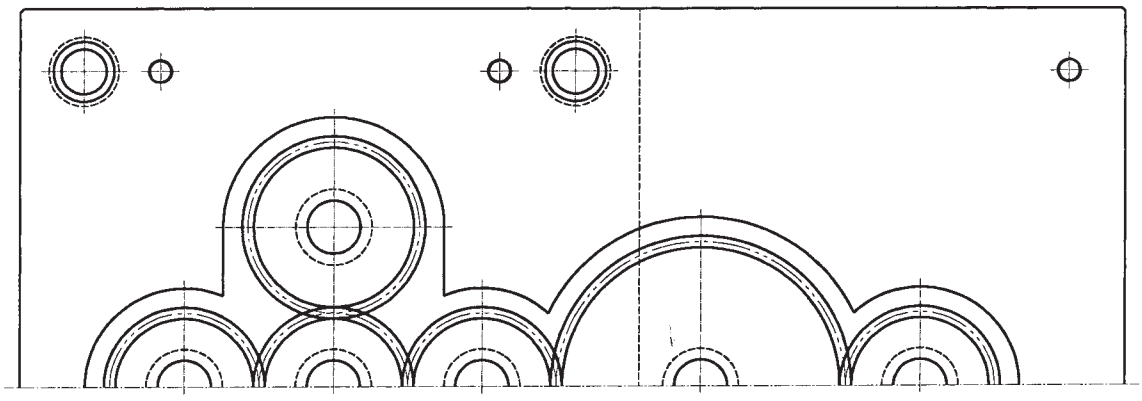
dim.	GTX	GTZ
a	$14\ ^{0}_{-0.02}$	$14\ ^{0}_{-0.02}$
b	$10\ ^{+0.02}_{0}$	$10\ ^{+0.02}_{0}$
c	$24\ ^{+0.04}_{0}$	$19\ ^{+0.04}_{0}$
d	$24\ ^{0}_{-0.06}$	$24\ ^{0}_{-0.06}$
e	$14\ ^{+0.02}_{0}$	$14\ ^{+0.02}_{0}$
f	$2\ ^{+0.02}_{0}$	$2\ ^{+0.02}_{0}$
m	TCEI M6	TCEI M6

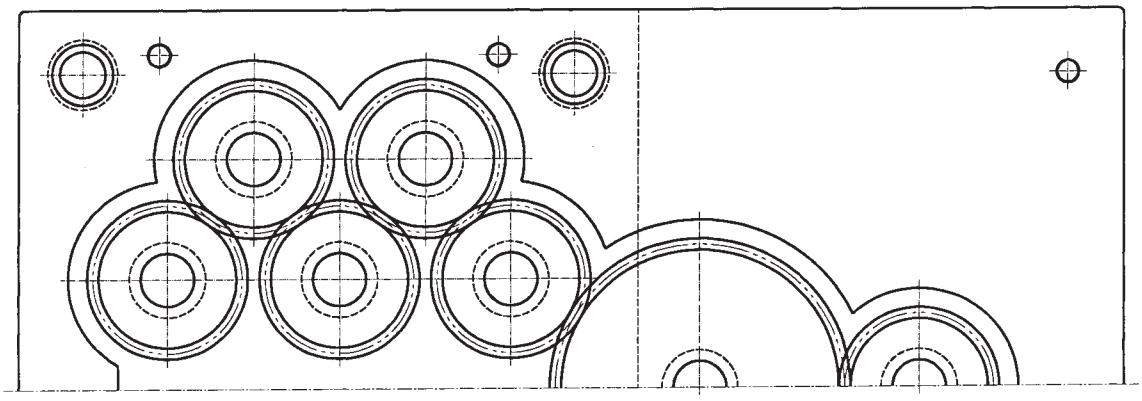
Mat. : DIN 1.2842

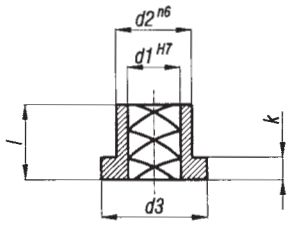
52 ÷ 54 HRc



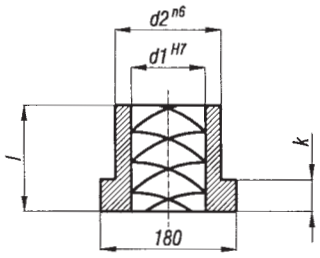

22
26
22
ICX
ICZ
ICY
ICW
ICK
BSX
BSZ
BCX
BCZ
IFX
IFZ
IFY
BRX
BRZ
BRY
BRW
IRX
ALX
ALZ
ALY
BBX



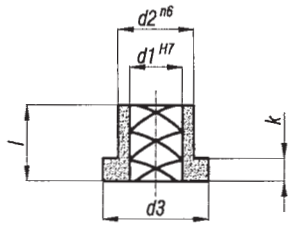




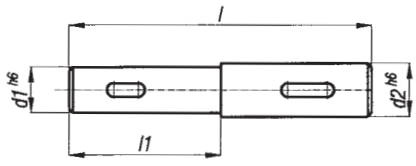
dim.	BSX	BSZ	BCX	BCZ	
d1	25	20	40	25	
d2	34	28	48	34	
d3	38	32	52	38	
l	16.5	16.5	12	12	
k	1.5	1.5	2	2	
Mat. : 18 Ni Cr Mo 5 oppure 100 Cr 6					
60 HRc					



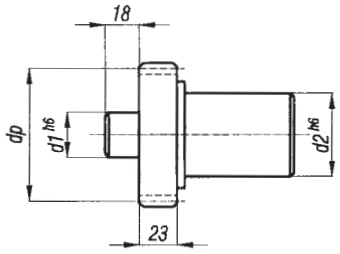
dim.	BRX	BRZ	BRY	BRW	
d1	40	40	25	25	
d2	48	48	34	34	
d3	55	55	40	40	
l	43	37	43	37	
k	8	8	7	7	
Mat. : 18 Ni Cr Mo 5 oppure 100 Cr 6					
60 HRc					



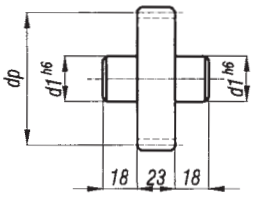
dim.	BBX				
d1	25				
d2	34				
d3	38				
l	23				
k	3				
Mat. : Bronzo					



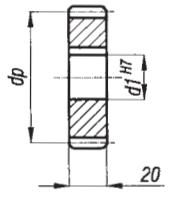
dim.	ALX	ALZ	ALY		
d1	25	25	25		
d2	32	28	24		
l	205	205	205		
l1	60	60	60		
Mat. : DIN 1.1730					
52 ÷ 54 HRc					



dim.	IFX	IFZ	IFY		
d1	25	20	25		
d2	40	25	40		
dp	58	36	60		
z	29	18	30		
modulo	2				
Mat. : DIN 1.1730					
52 ÷ 54 HRc					



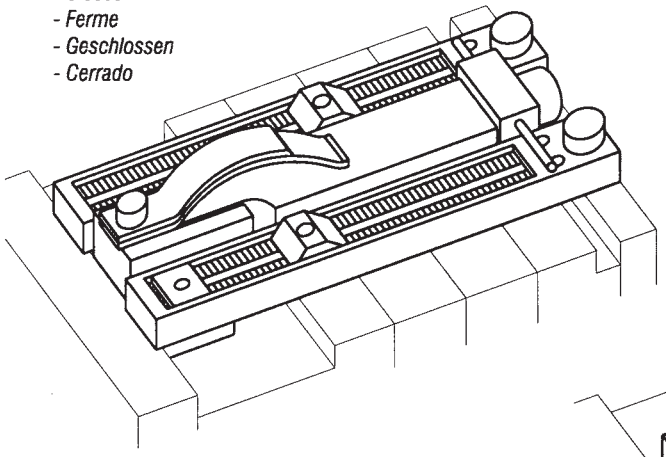
dim.	ICX	ICZ	ICY	ICW	ICK
d1	25	25	25	25	25
dp	116	88	60	58	36
z	58	44	30	29	18
modulo	2				
Mat. : DIN 1.1730					
52 ÷ 54 HRc					



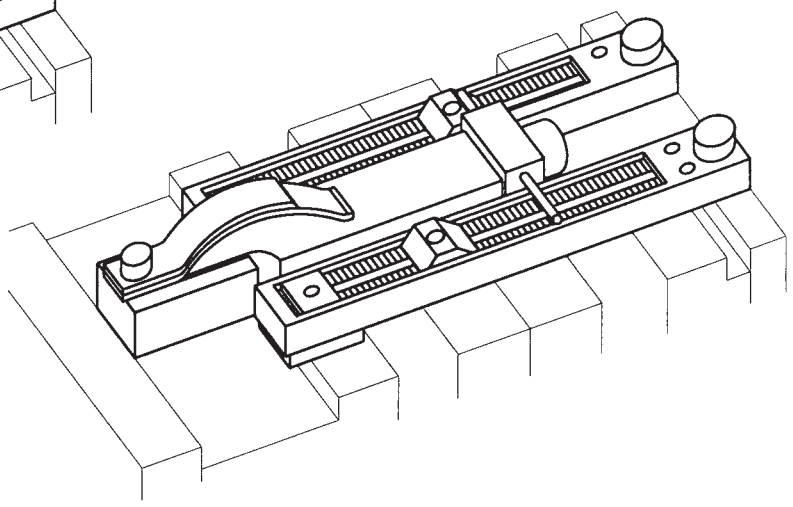
dim.	IRX				
d1	25				
dp	60				
z	30				
modulo	2				
Mat. : DIN 1.1730					
58 ÷ 60 HRc					

- Dispositivo aggancio-sgancio regolabile con fermo piastra.
- Adjustable device for coupling and uncoupling, with plate retainer.
- Dispositif pour regler le crocher decrocher avec le blocage de la plaque.
- Reguilerbare Kupplungs-und Entkupplungsvorrichtung mit Plattensperrung.
- Dispositivo para anganchar y desenganchar regulable con arresto plancha.

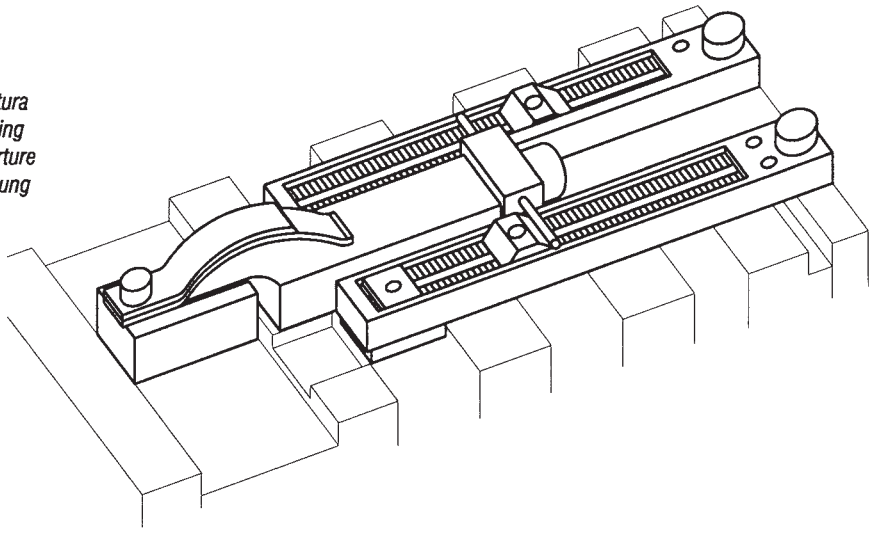
- Chiuso
- Closed
- Ferme
- Geschlossen
- Cerrado



1 - Apertura
- Opening
- Ouverture
- Oeffnung

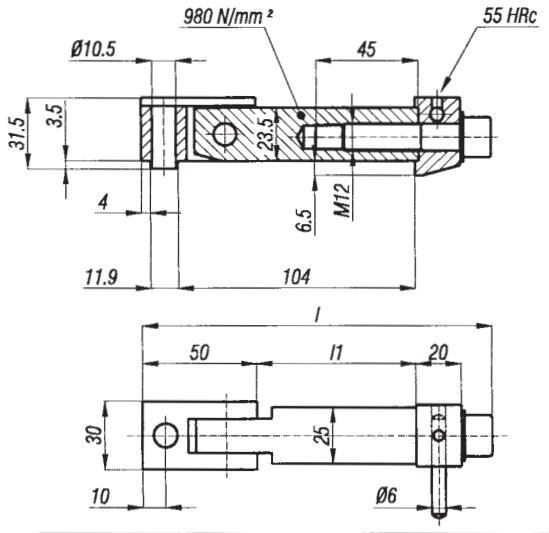


2 - Apertura
- Opening
- Ouverture
- Oeffnung

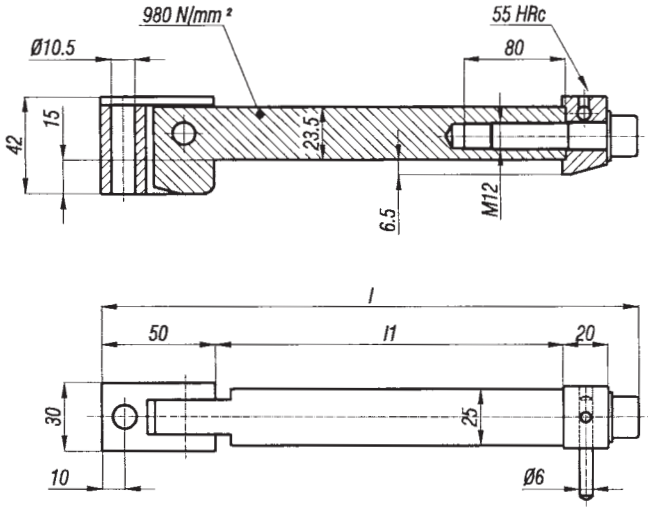


CONFEZIONI STANDARD - STANDARD BOXES

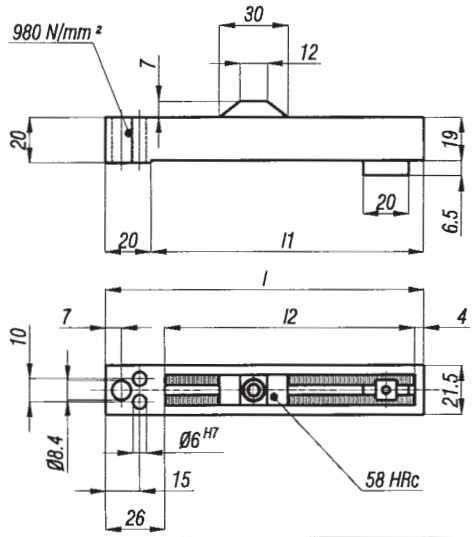
AG - SG - 140 R	n. 2 L 90/1	n. 2 B 90/1
AG - SG - 200 R	n. 2 L 90/2	n. 2 B 90/2
AG - SG - 250 R	n. 2 L 90/3	n. 2 B 90/6
AG - SG - 140 B	n. 2 L 90/1bis	n. 2 B 90/1
AG - SG - 200 F	n. 2 L 90/2	n. 2 B 90/3
AG - SG - 250 F	n. 2 L 90/3	n. 2 B 90/4
AG - SG - 300 F	n. 2 L 90/4	n. 2 B 90/5
AG - SG - 400 F	n. 2 L 91	n. 2 B 91



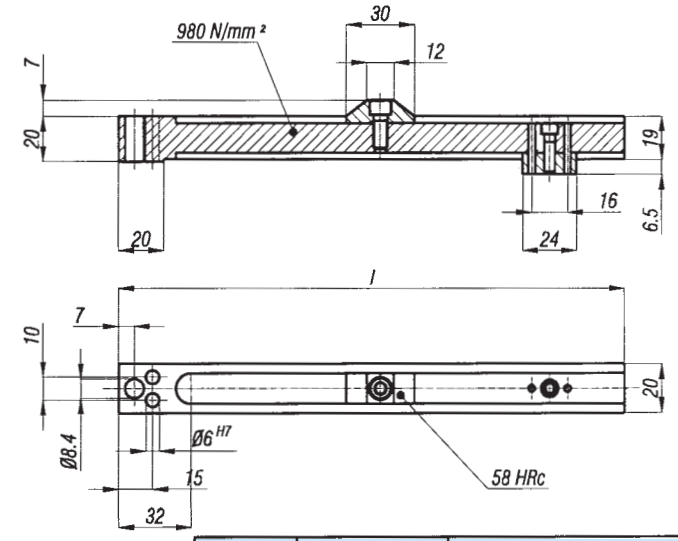
l1	l	TIPO	
70	152	1	L 90 / 1



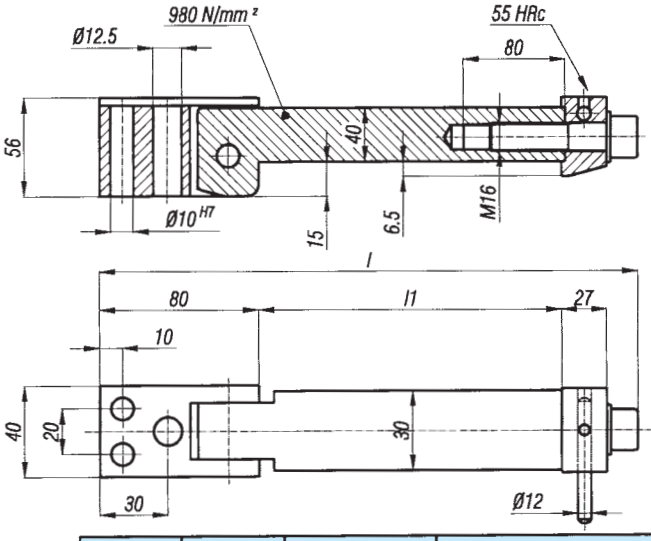
l1	l	TIPO	
170	252	2	L 90 / 2
220	302	3	L 90 / 3
270	352	4	L 90 / 4
90	172	1 bis	L 90 / 1 bis



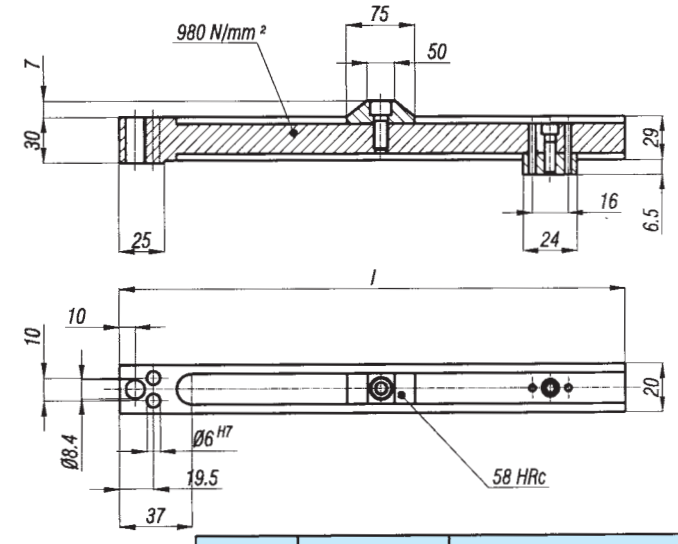
l2	l1	l	TIPO	
110	120	140	1	B 90 / 1
174	184	204	2	B 90 / 2
220	230	250	6	B 90 / 6



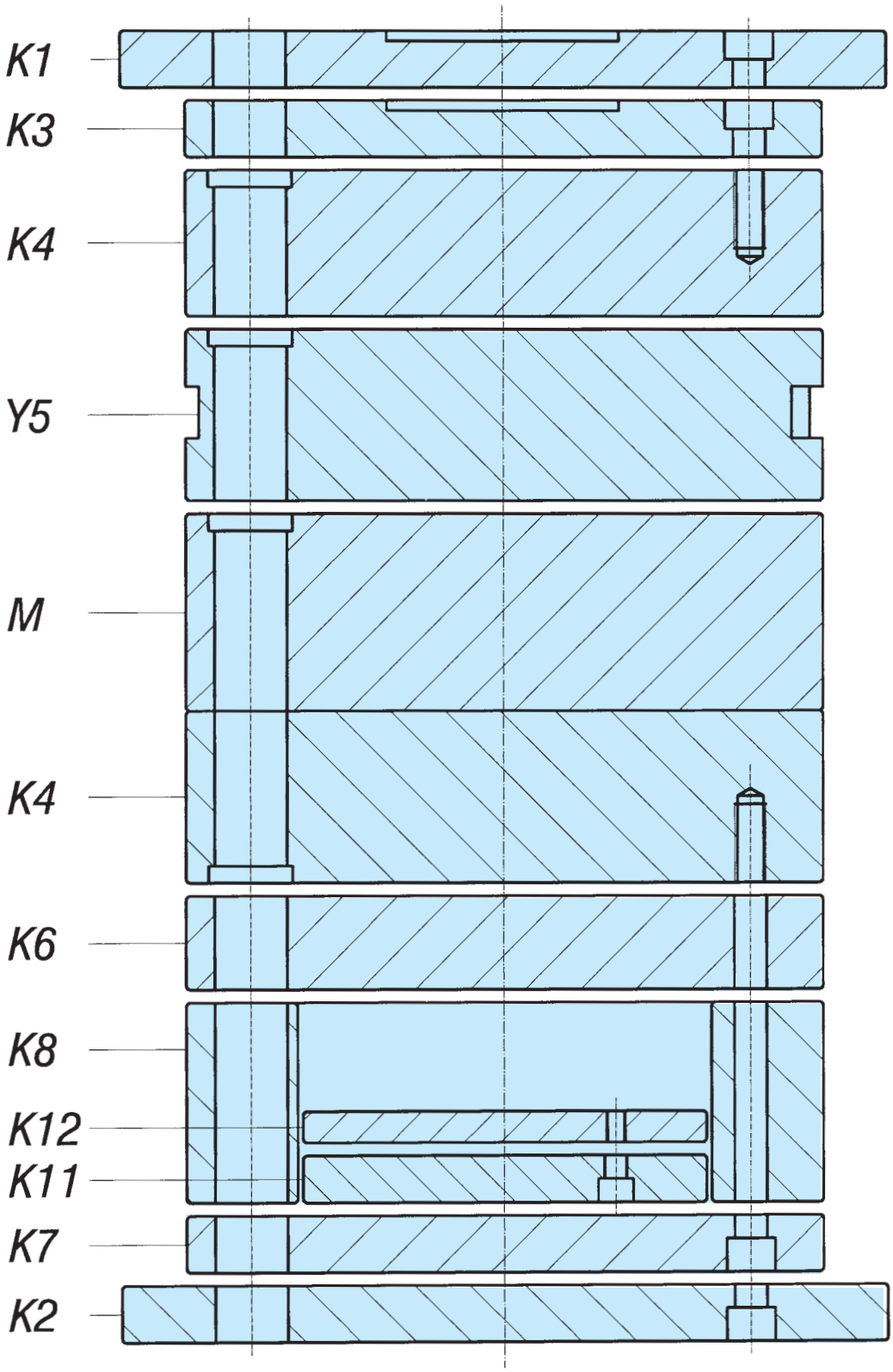
l	TIPO	
200	3	B 90 / 3
250	4	B 90 / 4
300	5	B 90 / 5

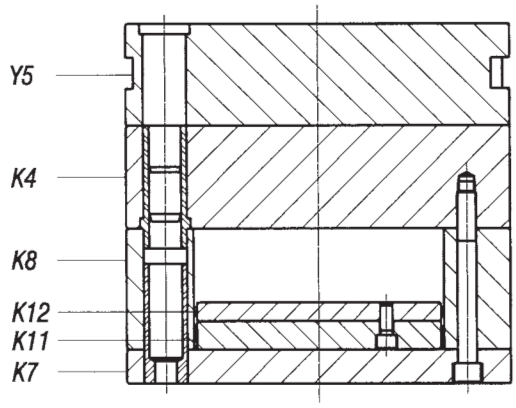


l1	l	TIPO	
256	379	5	L 91

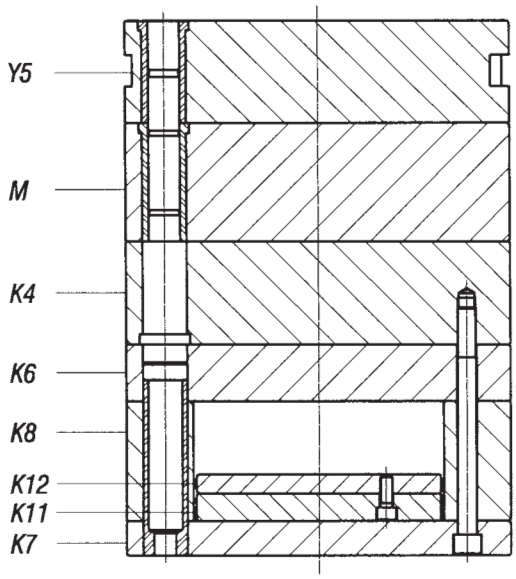


l	TIPO	
396	7	B 91

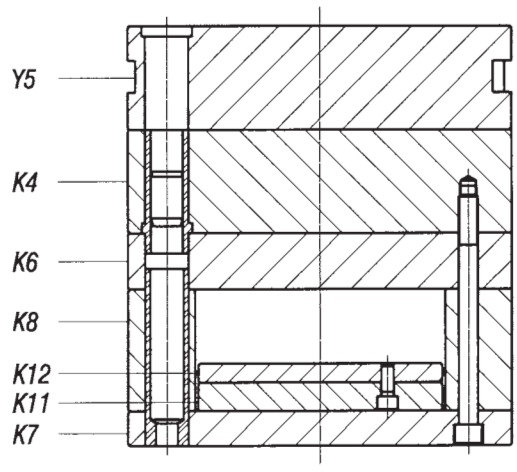

K1
K3
K4
Y5
M
K4
K6
K8
K12
K11
K7
K2



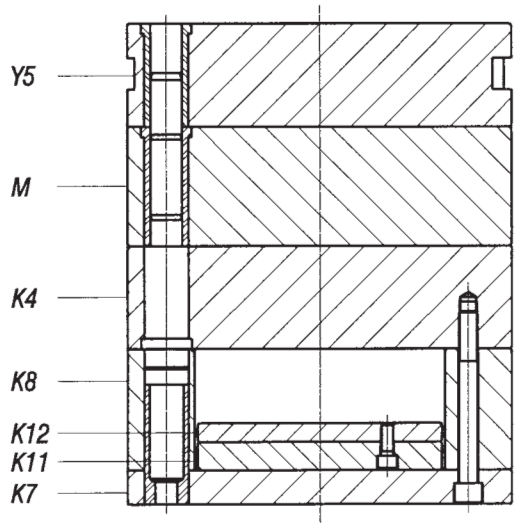
HE



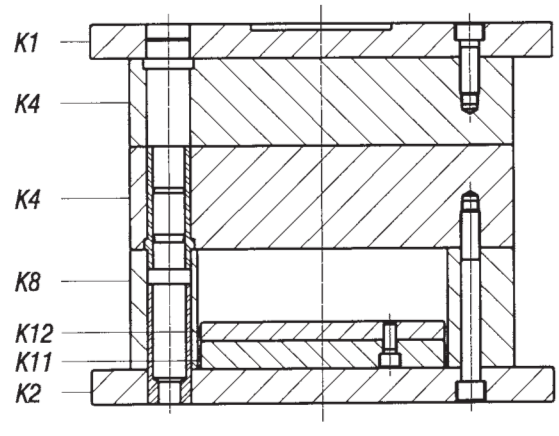
HE+K6+M



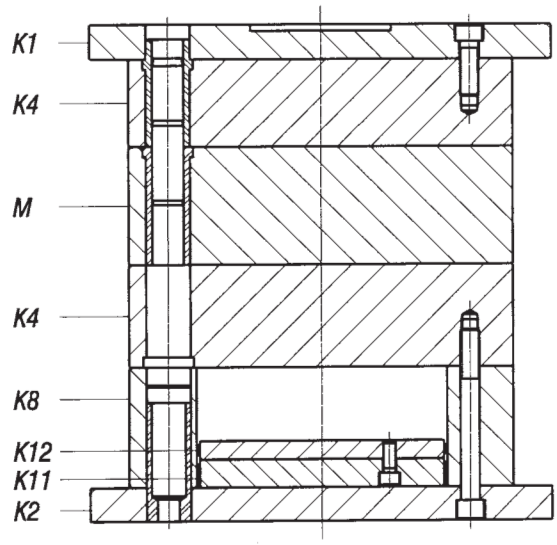
HE-K6



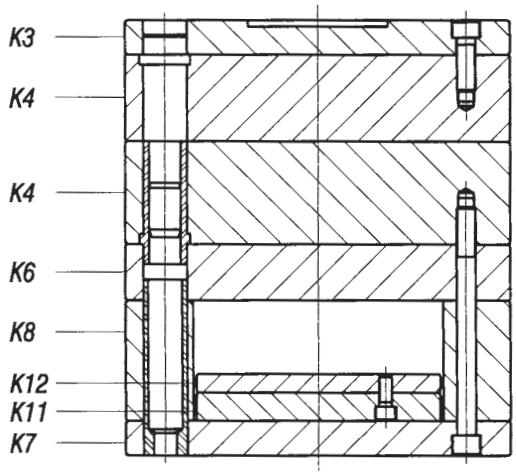
HE+M



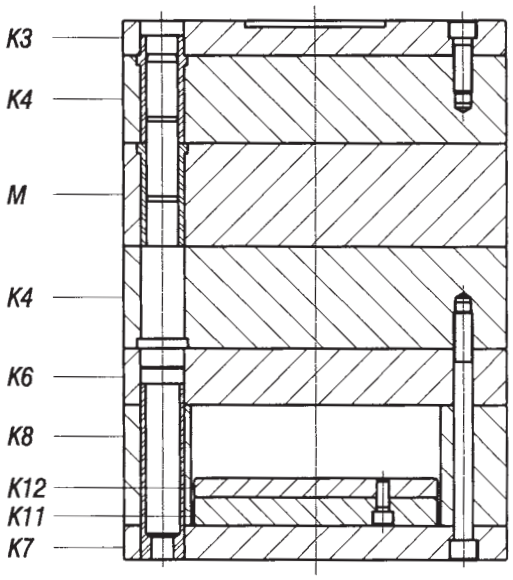
HE DEB.



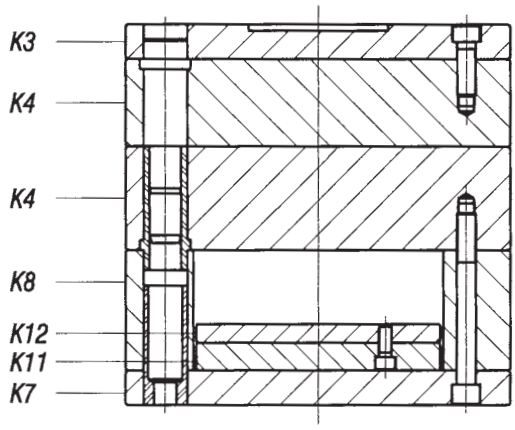
HE DEB.+M



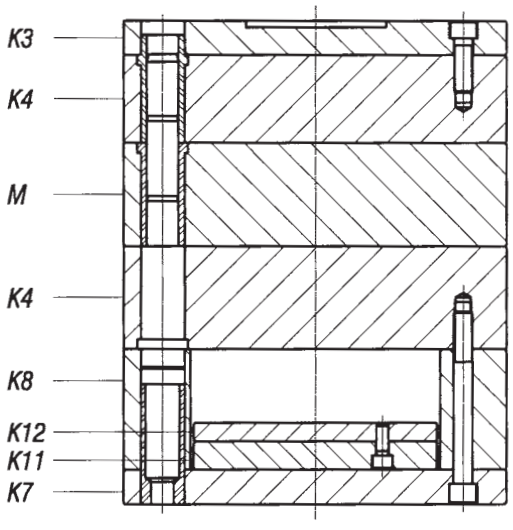
H



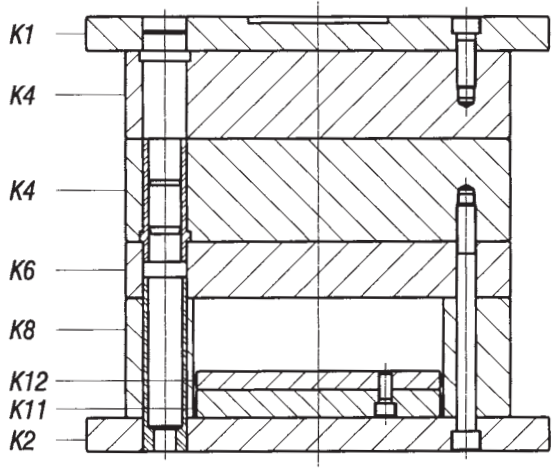
H+M



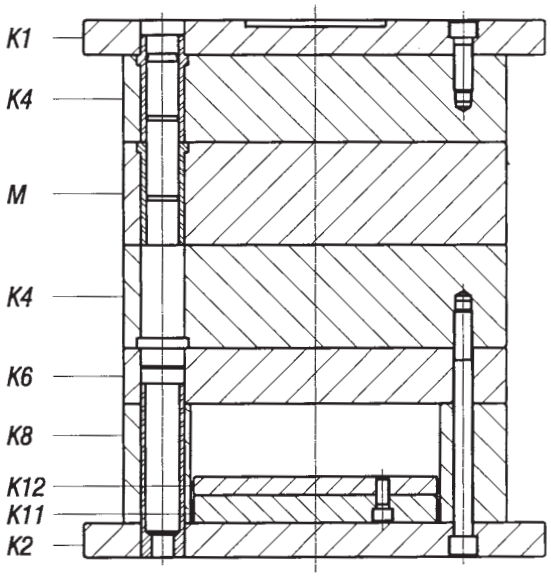
H-K6



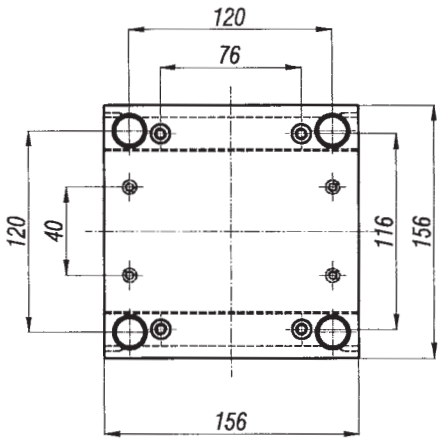
H-K6+M



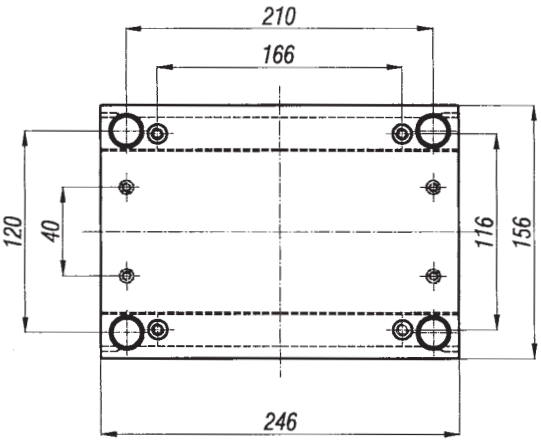
H DEB.



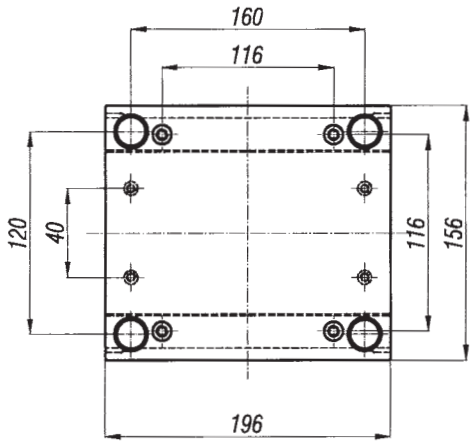
H DEB.+M



156x156

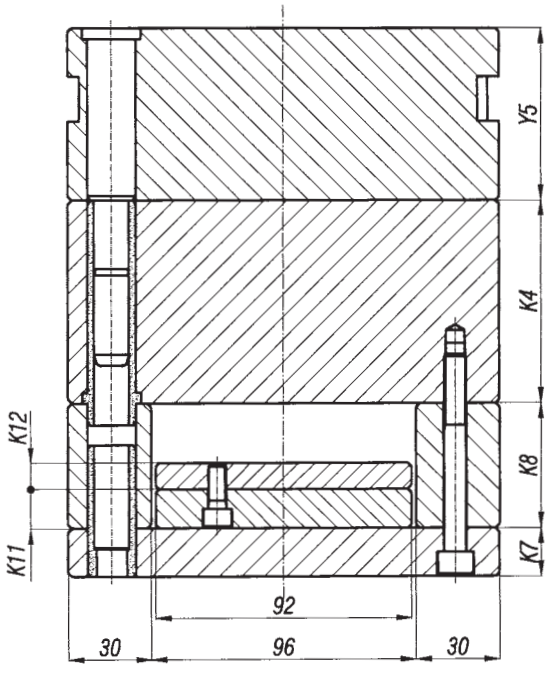


156x246

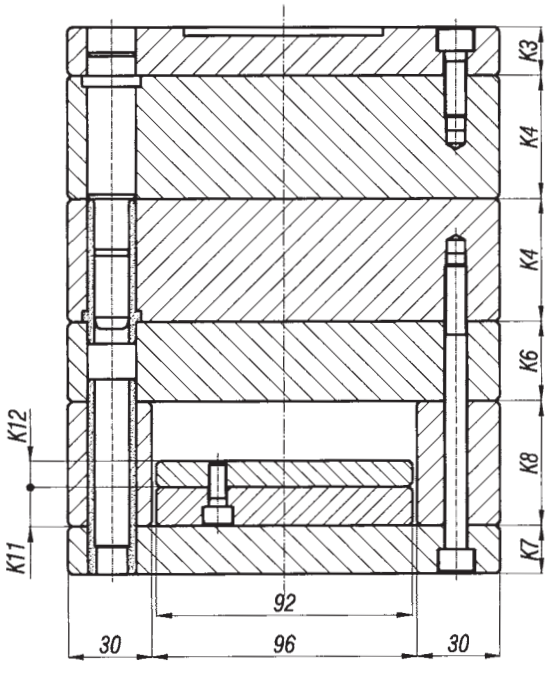


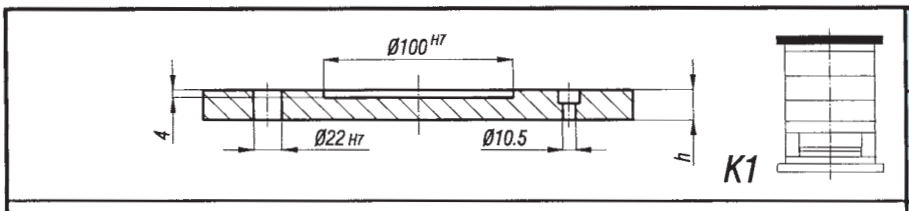
156x196

Serie HE



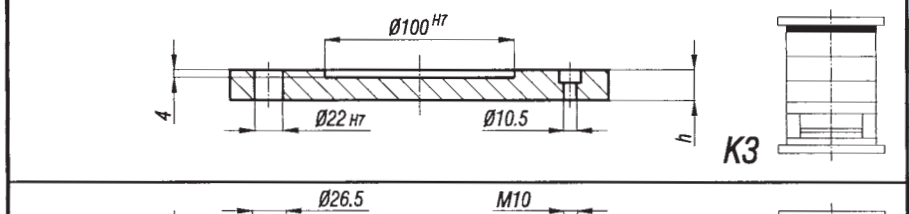
Serie H





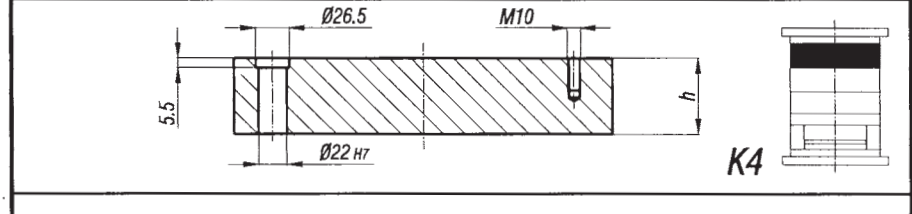
K1

h / mat.	22							
1730	●							
2738								



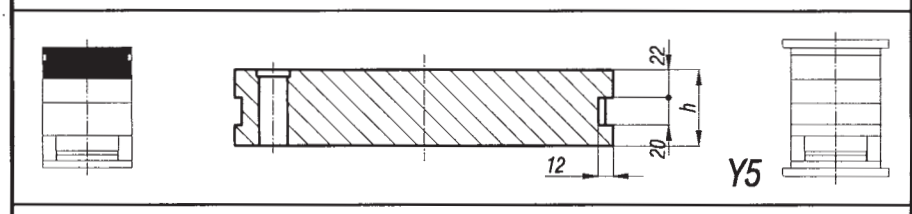
K3

h / mat.	22							
1730	●							
2738								



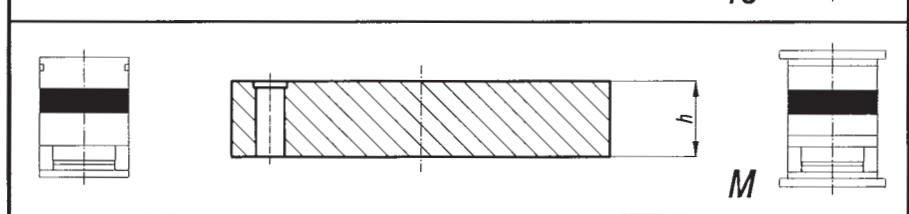
K4

h / mat.	26	36	46	56	66	76		
1730	●	●	●	●	●	●		
2738	●	●	●	●	●	●		



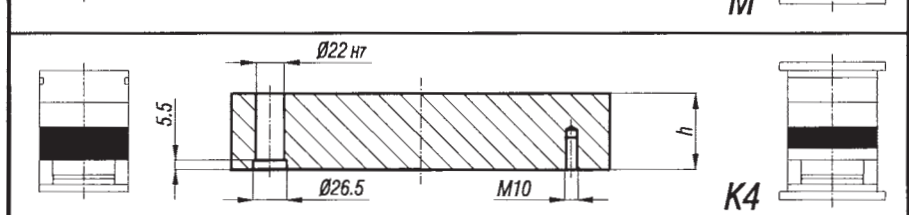
Y5

h / mat.	46	56	66	76				
1730	●	●	●	●				
2738	●	●	●	●				



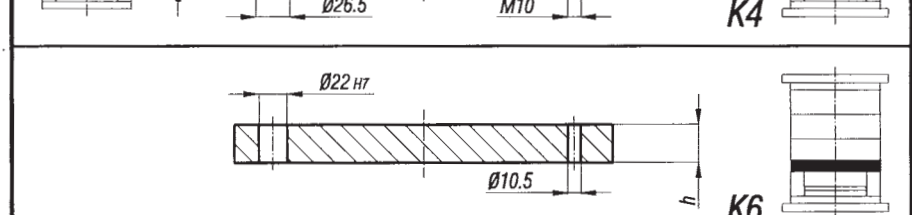
M

h / mat.	26	36	46	56	66	76		
1730	●	●	●	●	●	●		
2738	●	●	●	●	●	●		



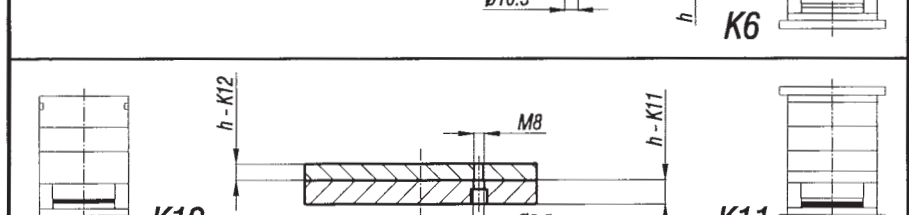
K4

h / mat.	26	36	46	56	66	76		
1730	●	●	●	●	●	●		
2738	●	●	●	●	●	●		



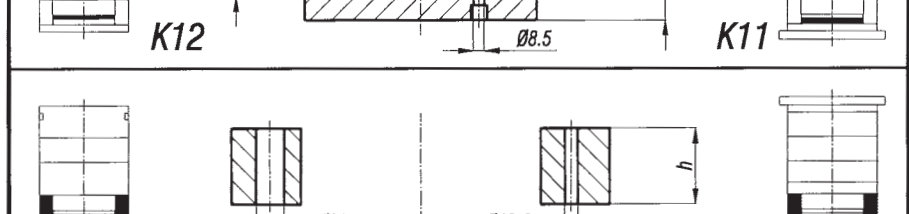
K6

h / mat.	26							
1730	●							
2738								



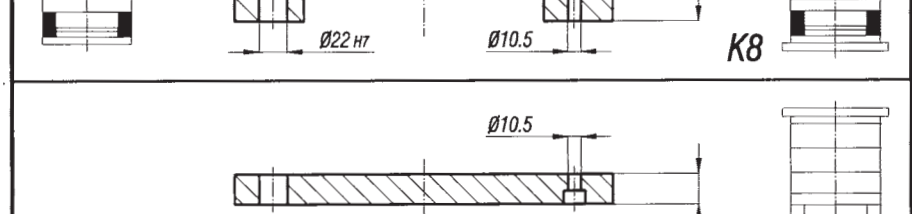
K12 K11

h / mat.	K11 = 18			K12 = 12				
1730		●			●			
2738								



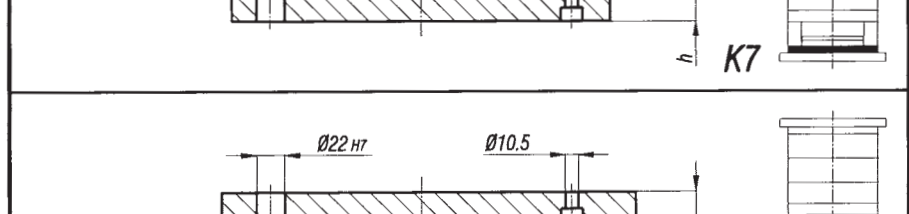
K8

h / mat.	57	77	97					
1730	●	●	●					
2738								



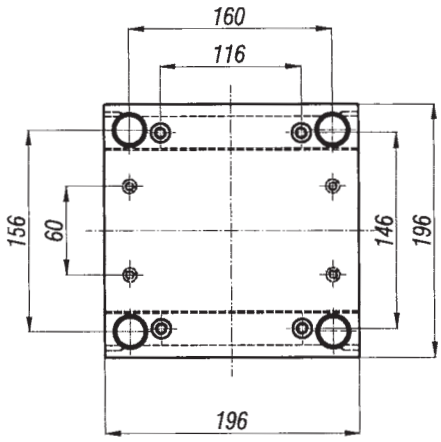
K7

h / mat.	22							
1730	●							
2738								

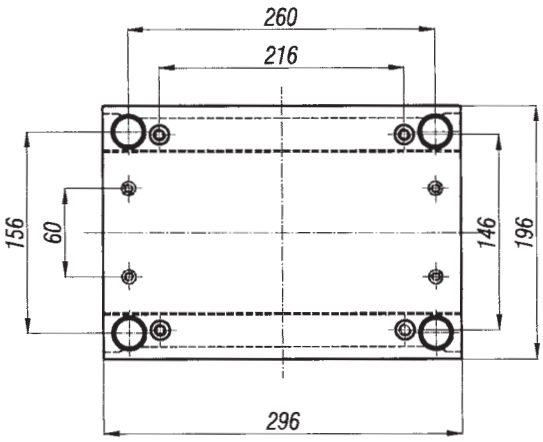


K2

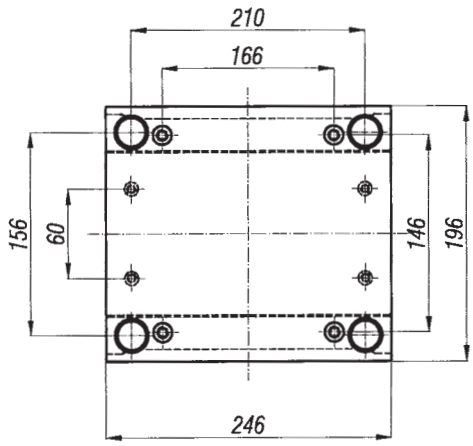
h / mat.	22							
1730	●							
2738								



196x196



196x296



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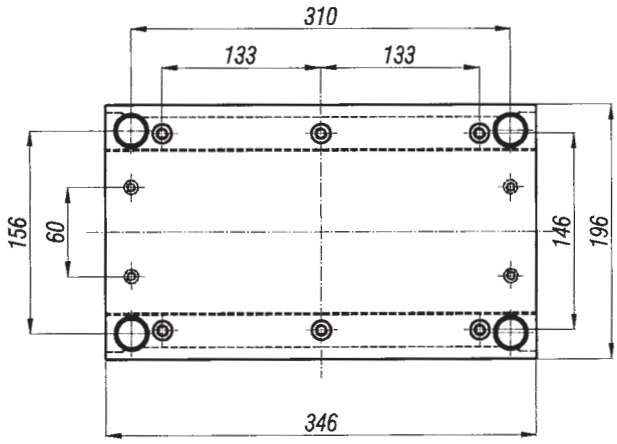
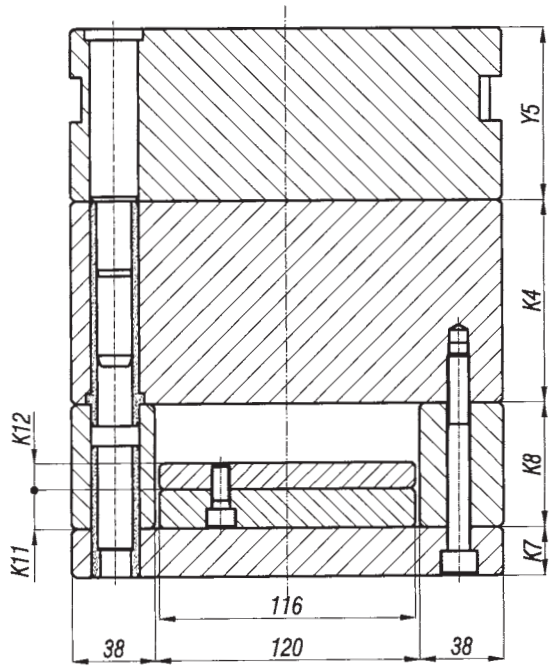
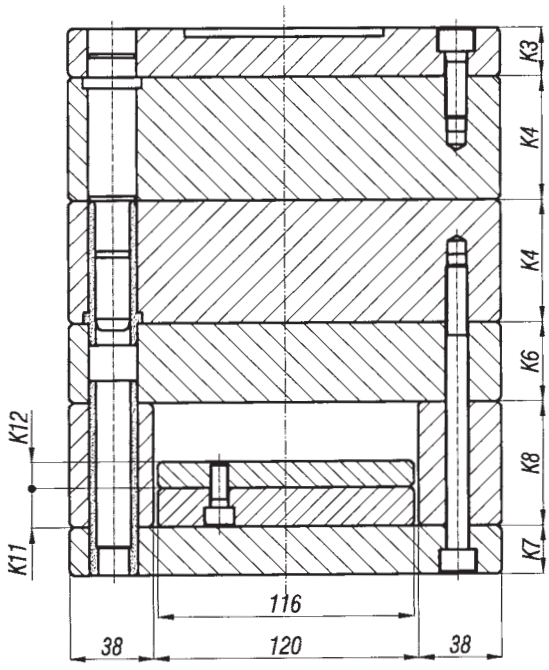


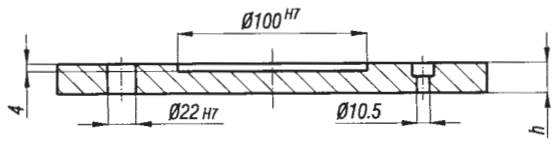
196x346

Serie HE



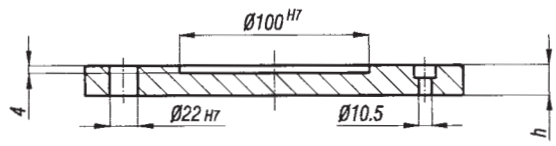
Serie H





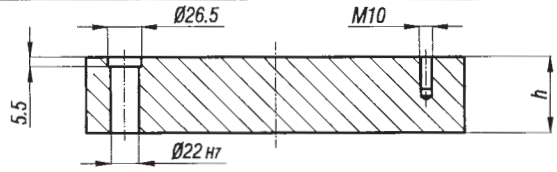
K1

mat. \ h	22
1730	●
2738	



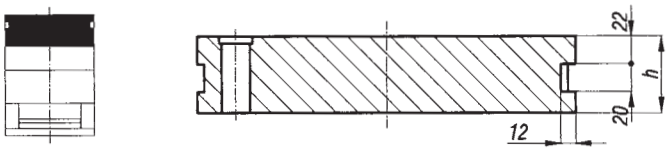
K3

mat. \ h	22
1730	●
2738	



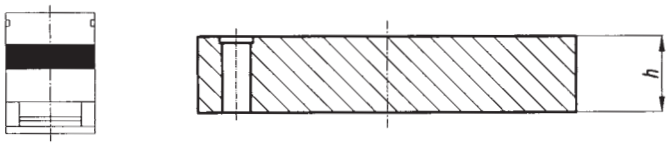
K4

mat. \ h	26	36	46	56	66	76	96
1730	●	●	●	●	●	●	●
2738	●	●	●	●	●	●	●



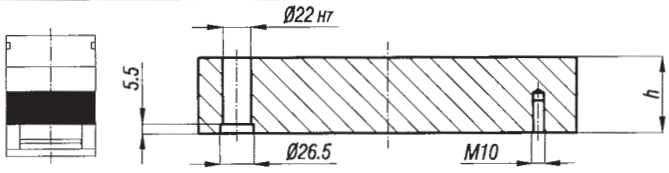
Y5

mat. \ h	46	56	66	76	96
1730	●	●	●	●	●
2738	●	●	●	●	●



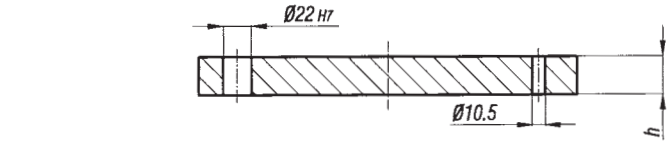
M

mat. \ h	26	36	46	56	66	76	96
1730	●	●	●	●	●	●	●
2738	●	●	●	●	●	●	●



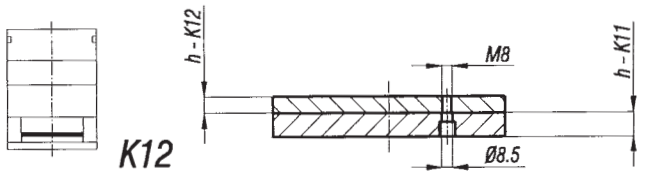
K4

mat. \ h	26	36	46	56	66	76	96
1730	●	●	●	●	●	●	●
2738	●	●	●	●	●	●	●



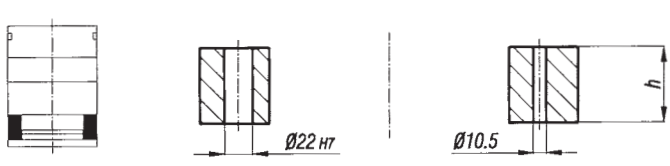
K6

mat. \ h	26
1730	●
2738	



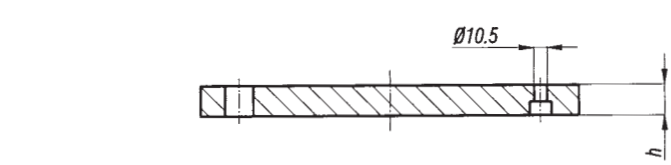
K12 K11

mat. \ h	K11 = 18	K12 = 12
1730	●	●
2738		



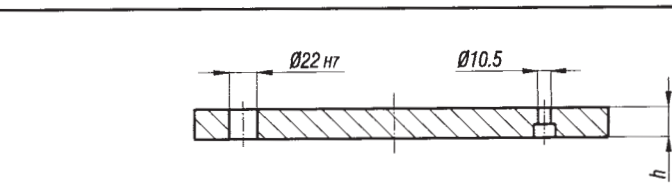
K8

mat. \ h	57	77	97
1730	●	●	●
2738			



K7

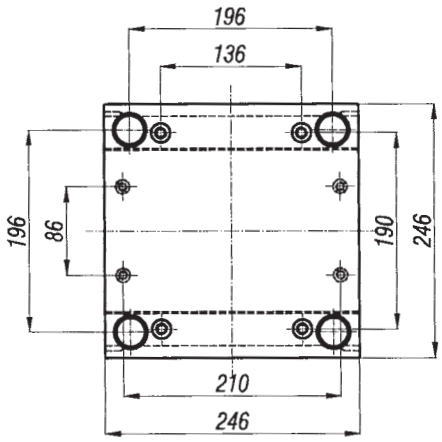
mat. \ h	22
1730	●
2738	



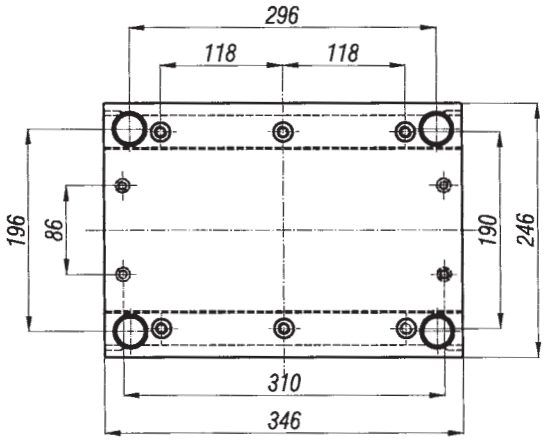
K2

mat. \ h	22
1730	●
2738	

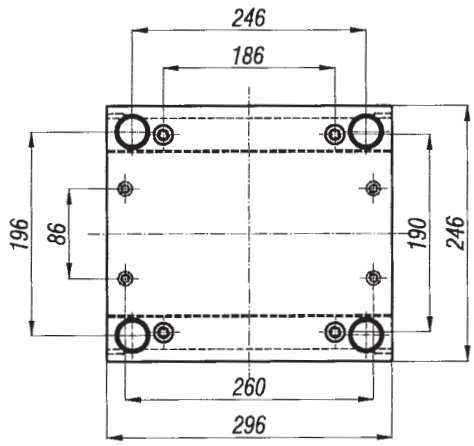
C4/02



246x246



246x346



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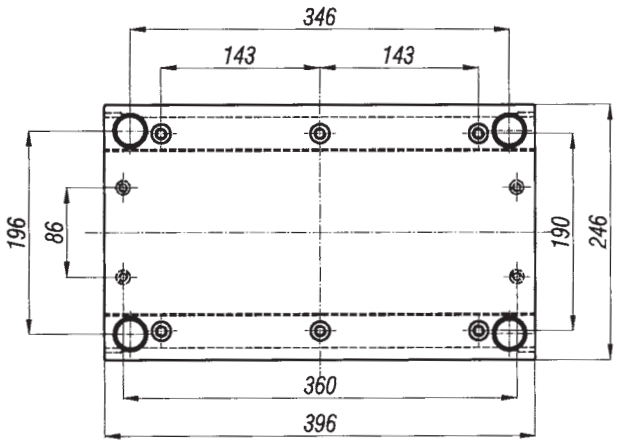
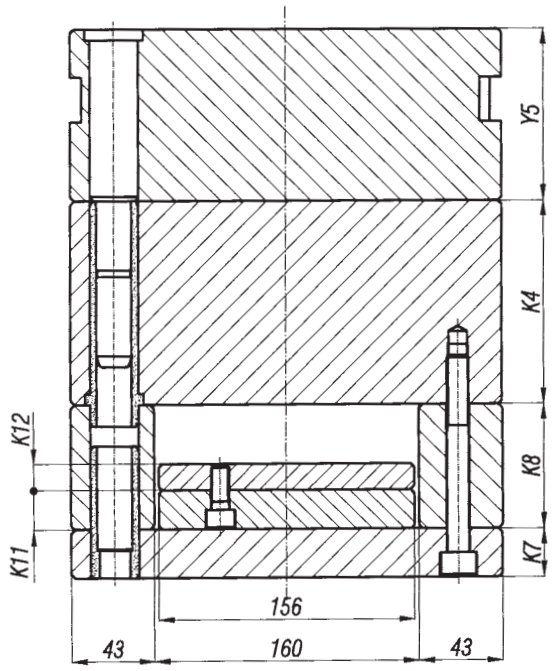
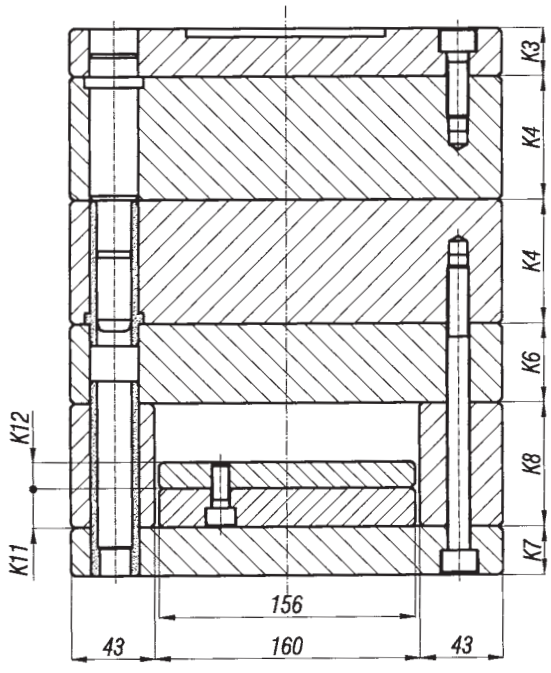


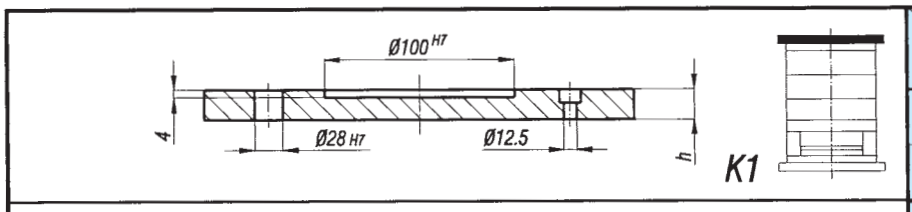
246x396

Serie HE



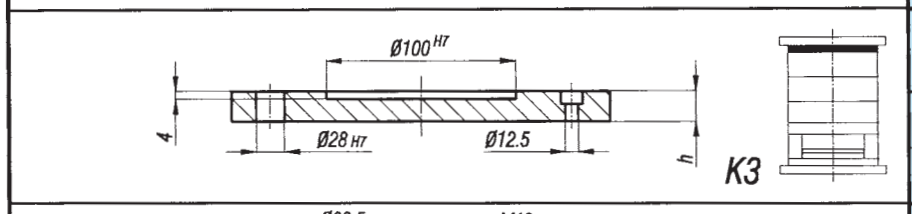
Serie H





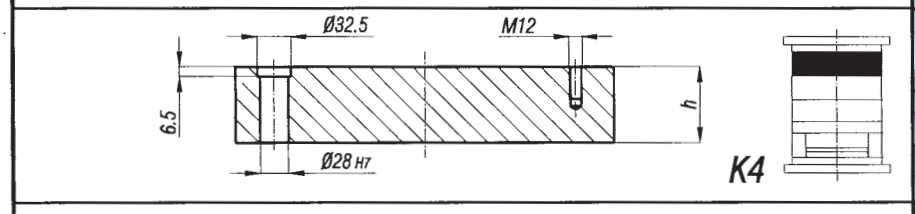
K1

h / mat.	26							
1730	●							
2738								



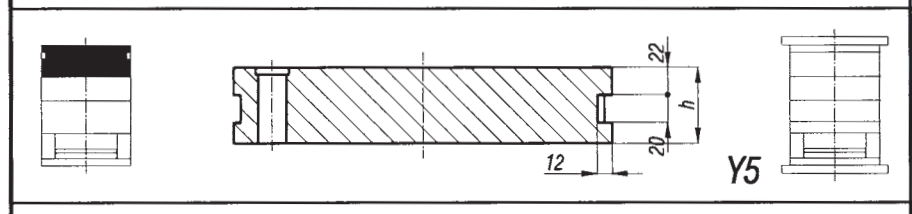
K3

h / mat.	26							
1730	●							
2738								



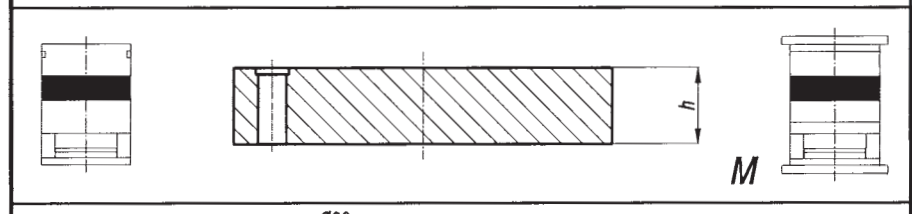
K4

h / mat.	26	36	46	56	66	76	96	
1730	●	●	●	●	●	●	●	
2738	●	●	●	●	●	●	●	



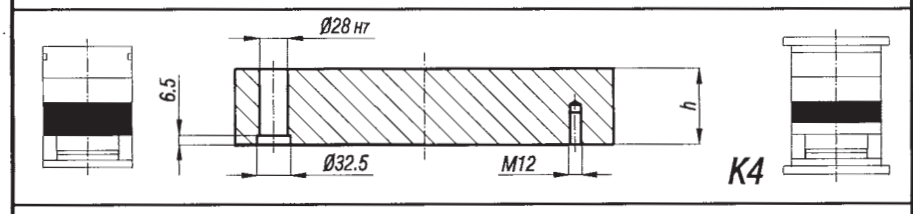
Y5

h / mat.	46	56	66	76	96			
1730	●	●	●	●	●			
2738	●	●	●	●	●			



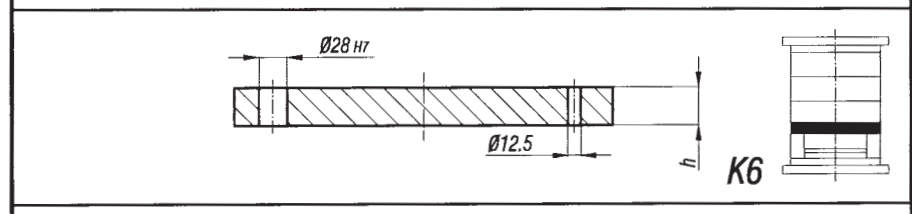
M

h / mat.	26	36	46	56	66	76	96	
1730	●	●	●	●	●	●	●	
2738	●	●	●	●	●	●	●	



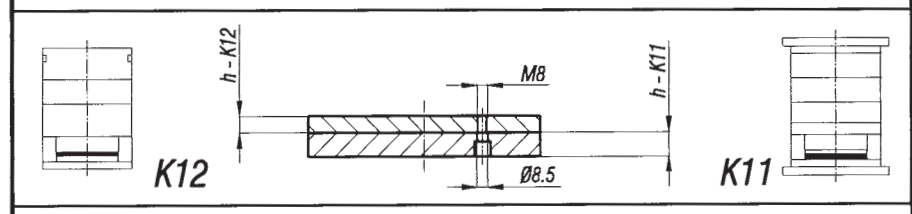
K4

h / mat.	26	36	46	56	66	76	96	
1730	●	●	●	●	●	●	●	
2738	●	●	●	●	●	●	●	



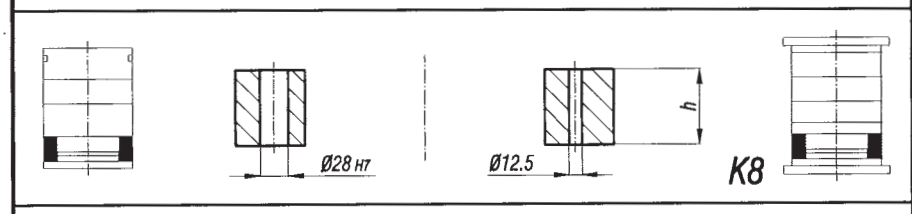
K6

h / mat.	36							
1730	●							
2738								



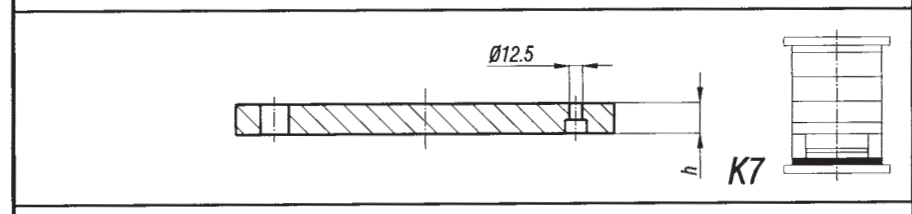
K12 K11

h / mat.	K11 = 18			K12 = 12				
1730		●			●			
2738								



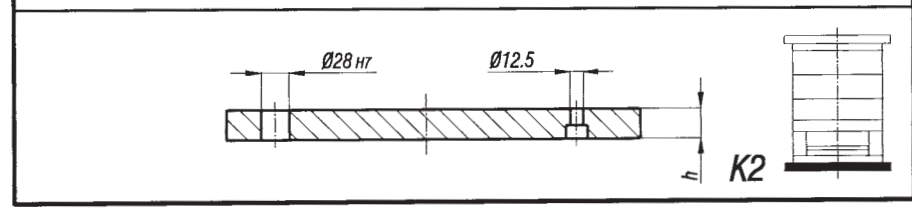
K8

h / mat.	57	77	97	117				
1730	●	●	●	●				
2738								



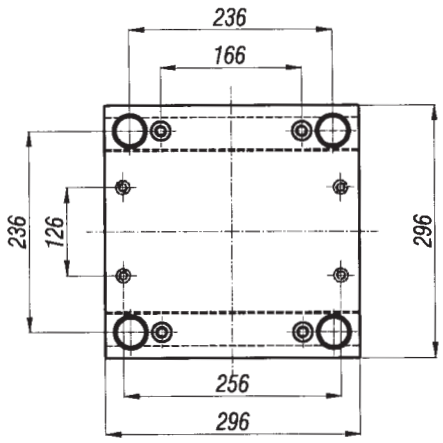
K7

h / mat.	26							
1730	●							
2738								

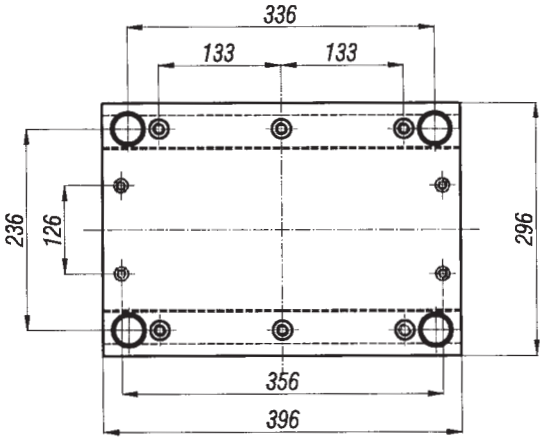


K2

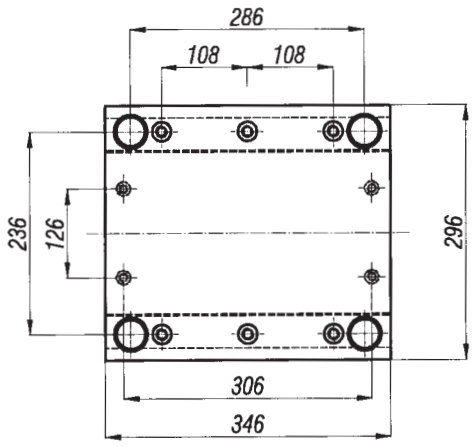
h / mat.	26							
1730	●							
2738								



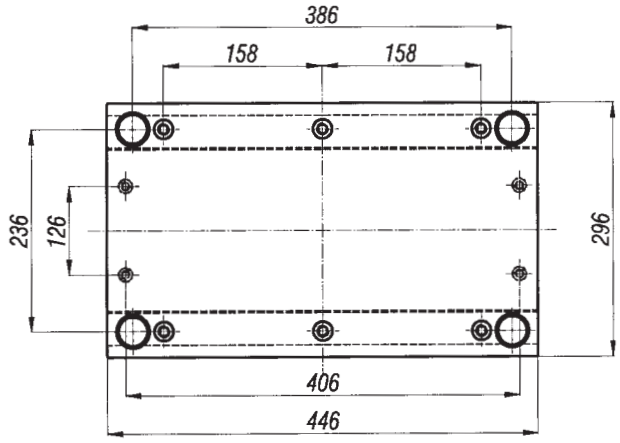
296x296



296x396

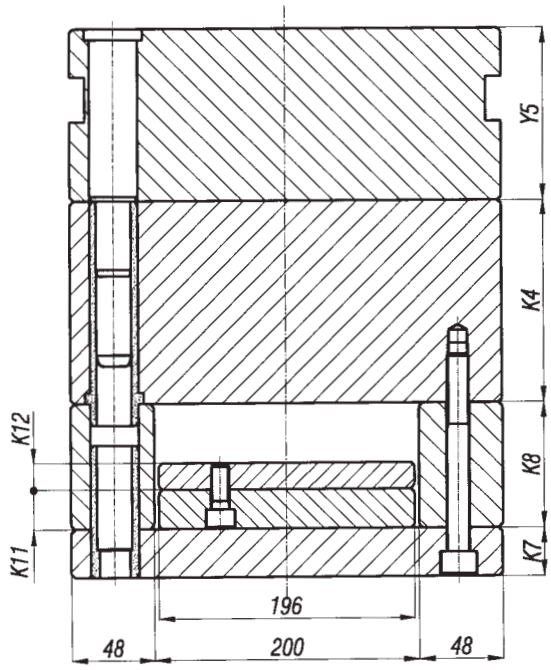


296x346

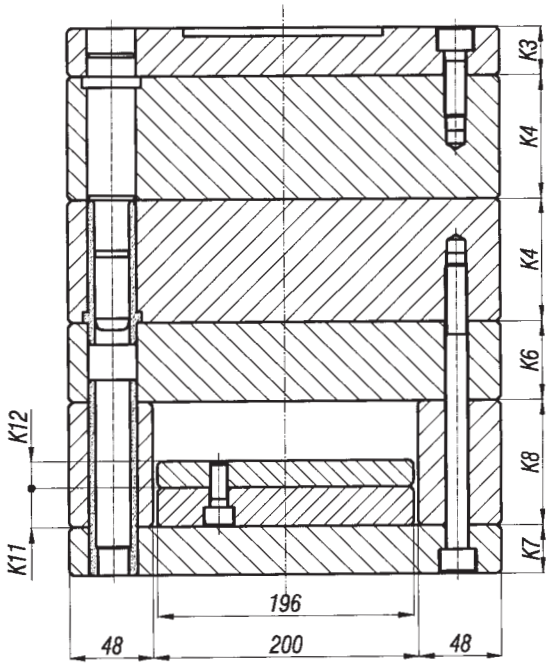


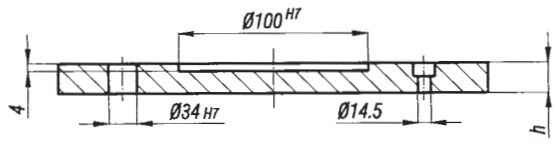
296x446

Serie HE



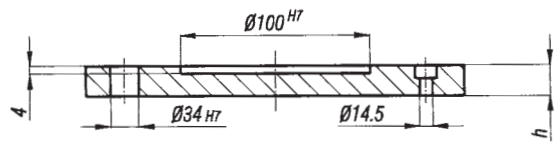
Serie H





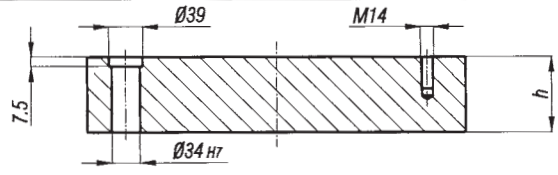
K1

mat. \ h	26							
1730	●							
2738								



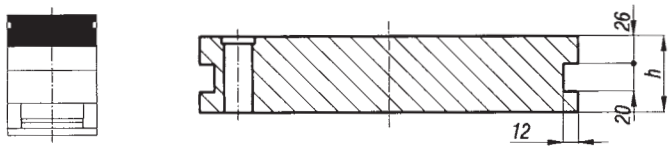
K3

mat. \ h	26							
1730	●							
2738								



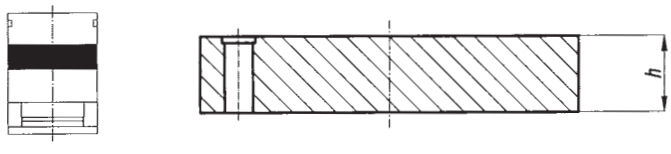
K4

mat. \ h	36	46	56	66	76	96	116	
1730	●	●	●	●	●	●	●	
2738	●	●	●	●	●	●	●	



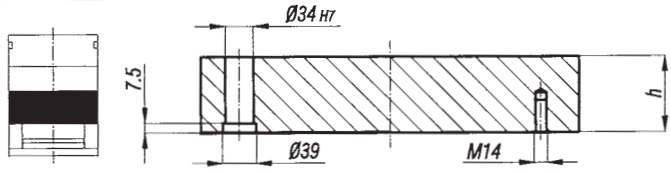
Y5

mat. \ h	46	56	66	76	96	116		
1730	●	●	●	●	●	●		
2738	●	●	●	●	●	●		



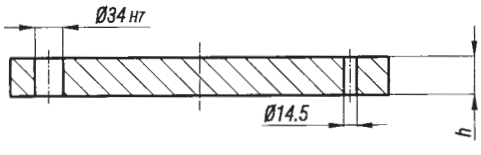
M

mat. \ h	36	46	56	66	76	96	116	
1730	●	●	●	●	●	●	●	
2738	●	●	●	●	●	●	●	



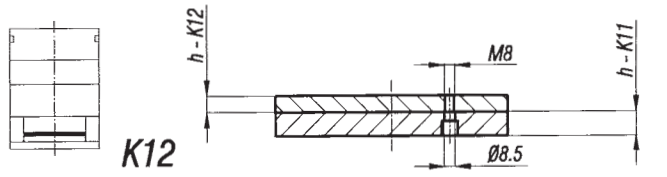
K4

mat. \ h	36	46	56	66	76	96	116	
1730	●	●	●	●	●	●	●	
2738	●	●	●	●	●	●	●	



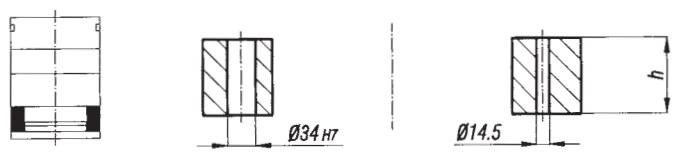
K6

mat. \ h	36							
1730	●							
2738								



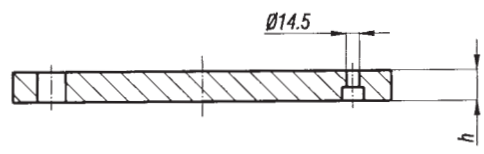
K12 K11

mat. \ h	K11 = 18		K12 = 12					
1730	●		●					
2738								



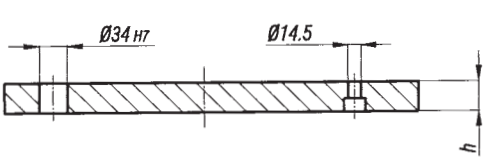
K8

mat. \ h	57	77	97	117				
1730	●	●	●	●				
2738								



K7

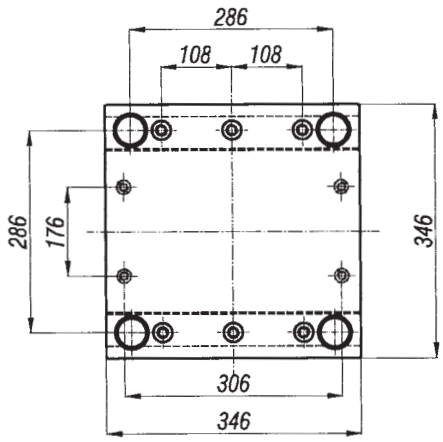
mat. \ h	26							
1730	●							
2738								



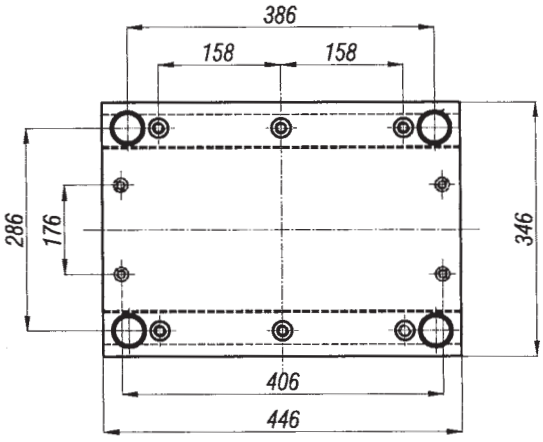
K2

mat. \ h	26							
1730	●							
2738								

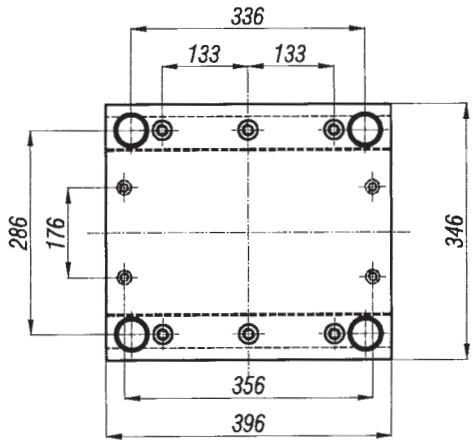
C6/02



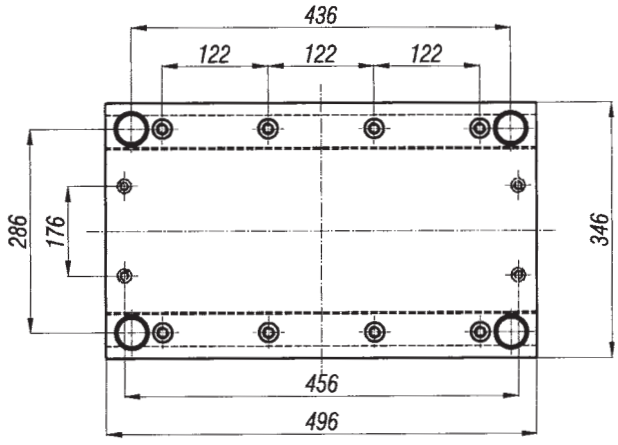
346x346



346x446

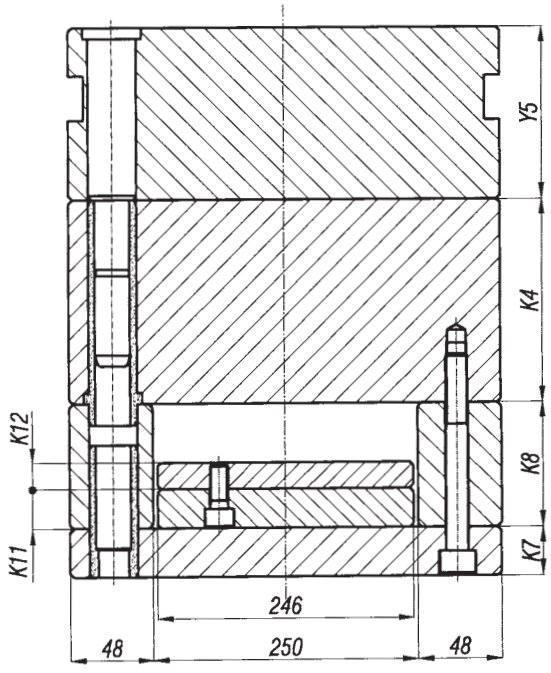


346x396

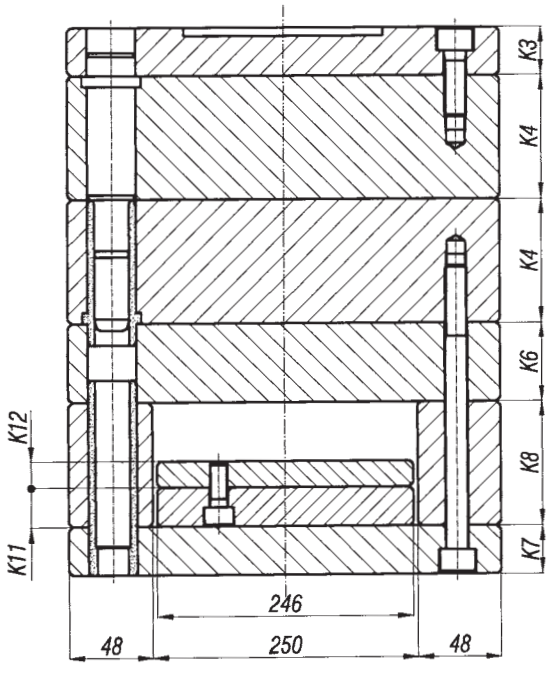


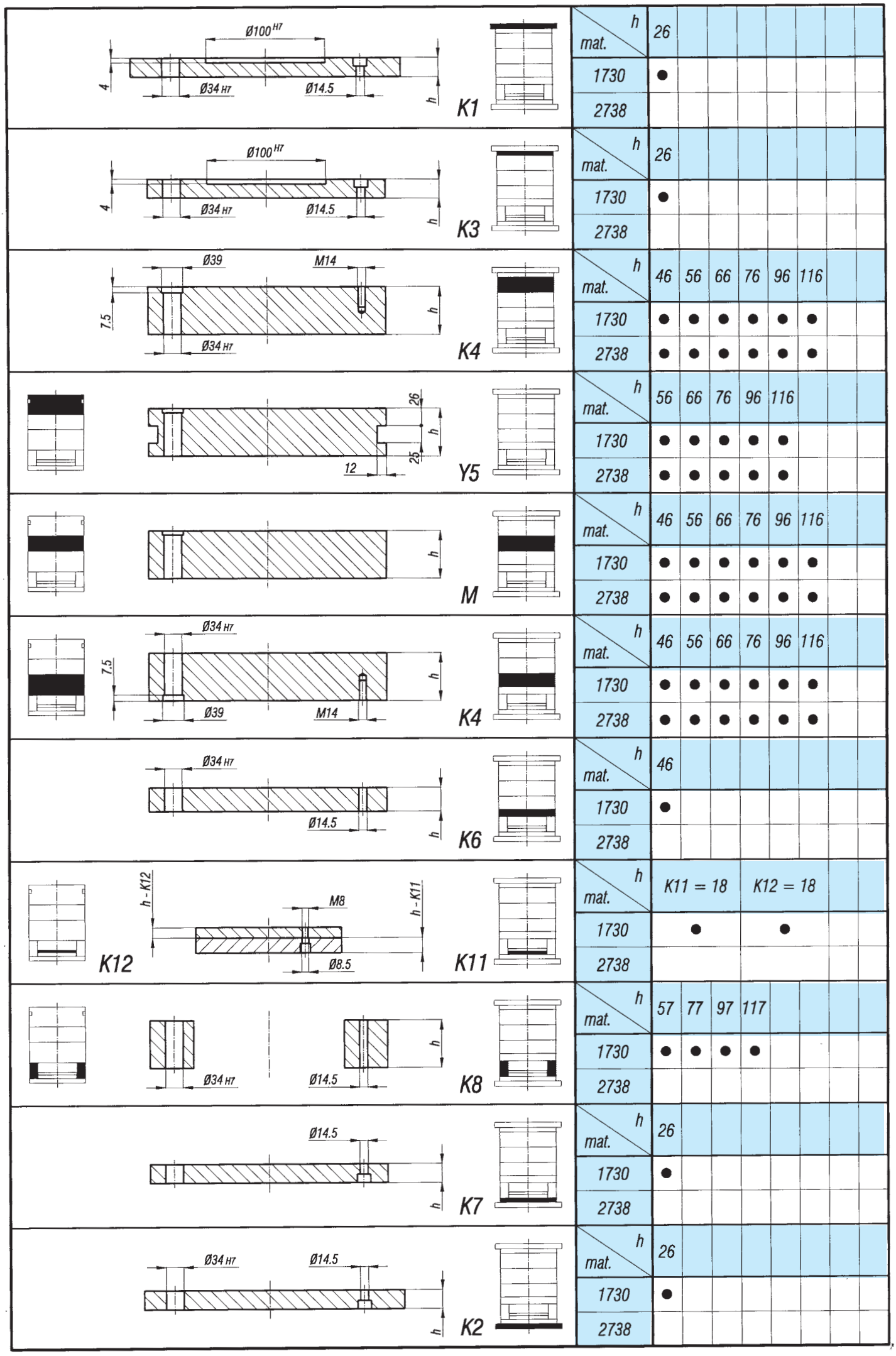
346x496

Serie HE



Serie H





mat. \ h	26							
1730	●							
2738								

mat. \ h	26							
1730	●							
2738								

mat. \ h	46	56	66	76	96	116		
1730	●	●	●	●	●	●		
2738	●	●	●	●	●	●		

mat. \ h	56	66	76	96	116			
1730	●	●	●	●	●			
2738	●	●	●	●	●			

mat. \ h	46	56	66	76	96	116		
1730	●	●	●	●	●	●		
2738	●	●	●	●	●	●		

mat. \ h	46	56	66	76	96	116		
1730	●	●	●	●	●	●		
2738	●	●	●	●	●	●		

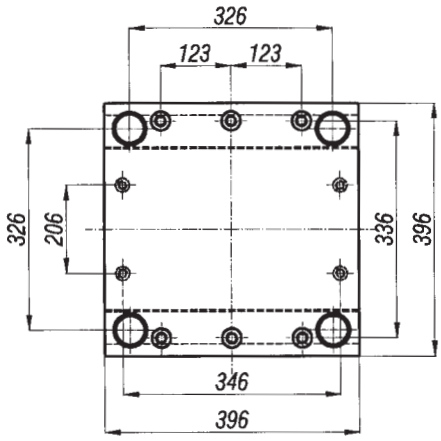
mat. \ h	46							
1730	●							
2738								

mat. \ h	K11 = 18		K12 = 18					
1730		●		●				
2738								

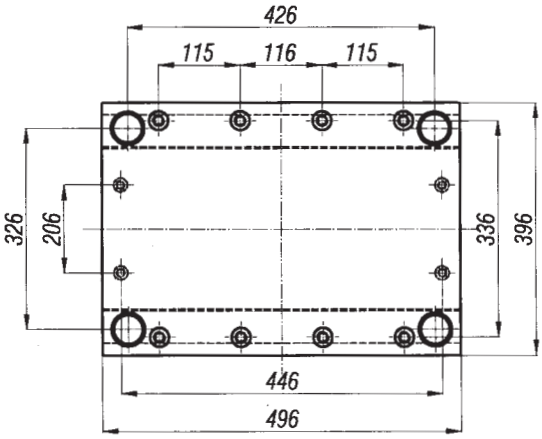
mat. \ h	57	77	97	117				
1730	●	●	●	●				
2738								

mat. \ h	26							
1730	●							
2738								

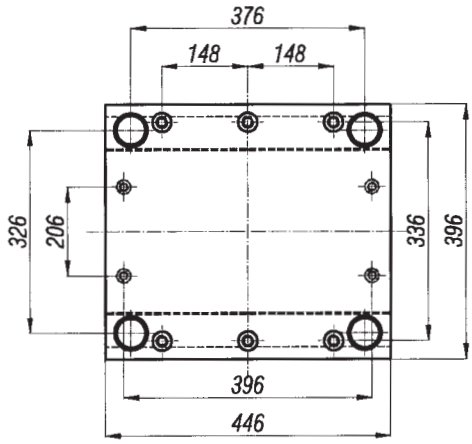
mat. \ h	26							
1730	●							
2738								



396x396



396x496



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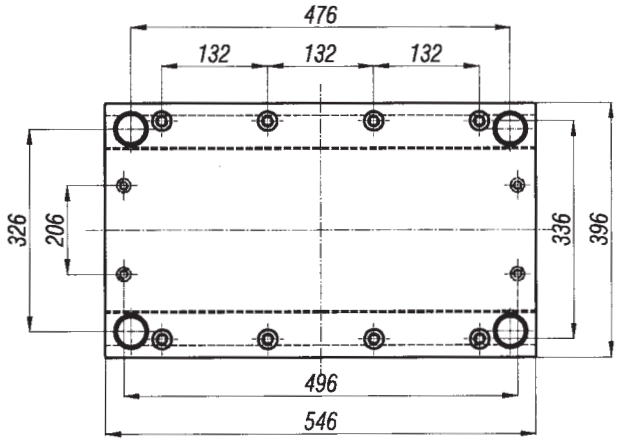
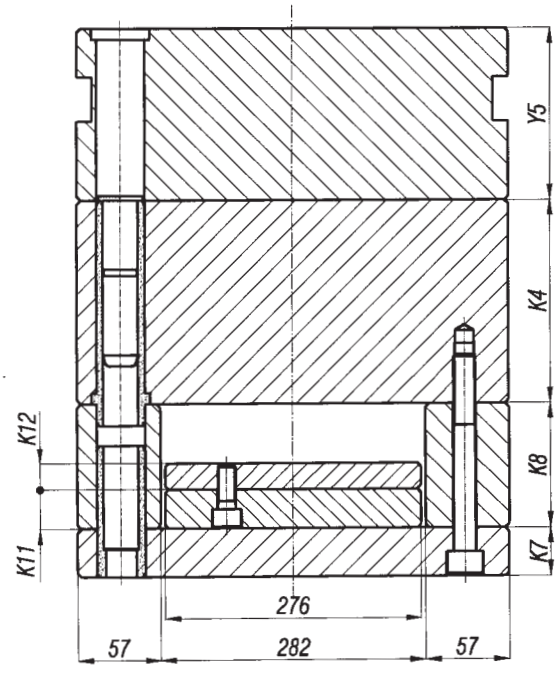
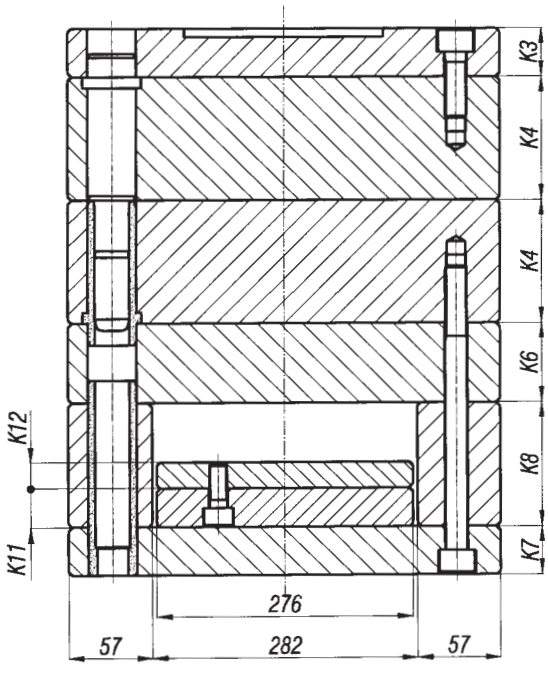


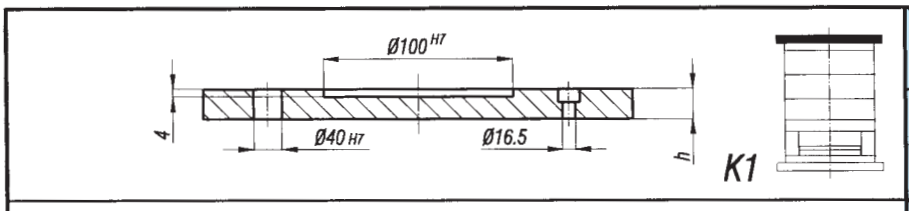
396x546

Serie HE



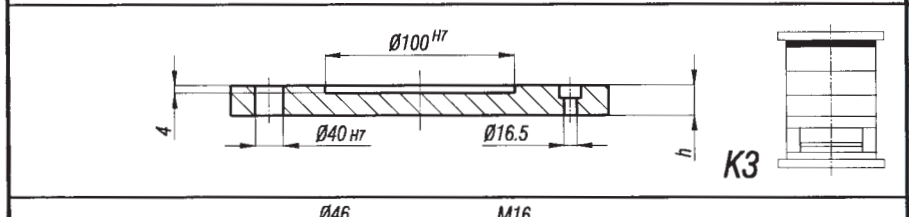
Serie H





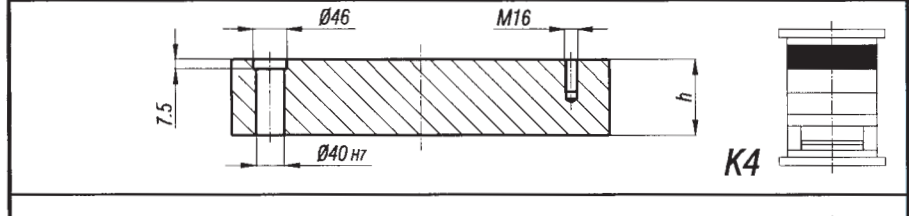
K1

mat. \ h	26							
1730	●							
2738								



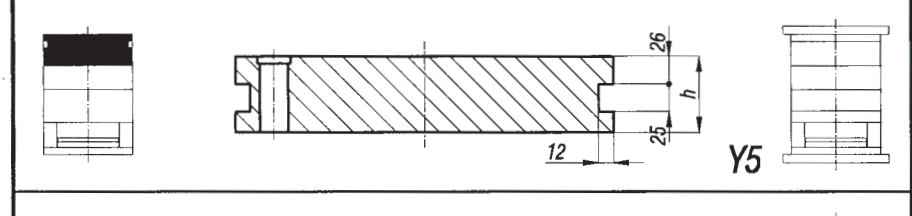
K3

mat. \ h	26							
1730	●							
2738								



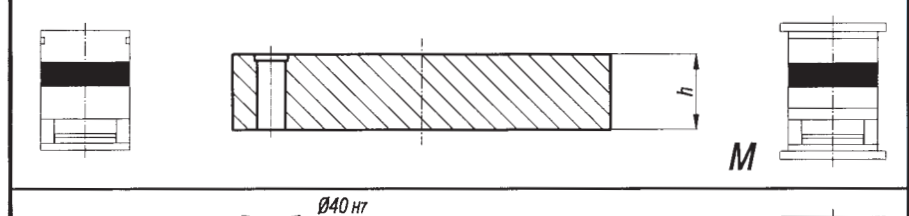
K4

mat. \ h	46	56	66	76	96	116		
1730	●	●	●	●	●	●		
2738	●	●	●	●	●	●		



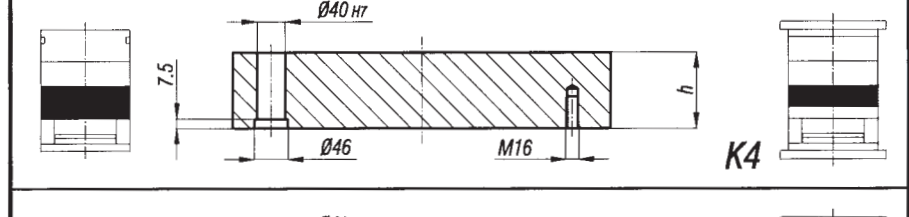
Y5

mat. \ h	56	66	76	96	116	146		
1730	●	●	●	●	●	●		
2738	●	●	●	●	●	●		



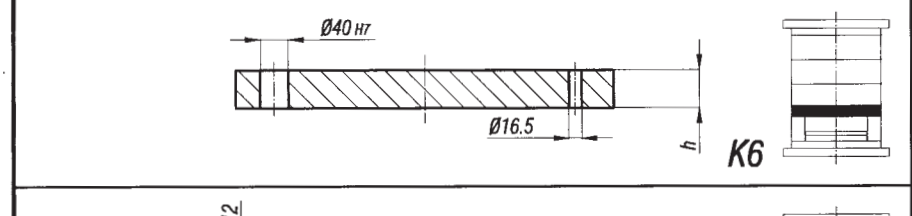
M

mat. \ h	46	56	66	76	96	116	146	
1730	●	●	●	●	●	●	●	
2738	●	●	●	●	●	●	●	



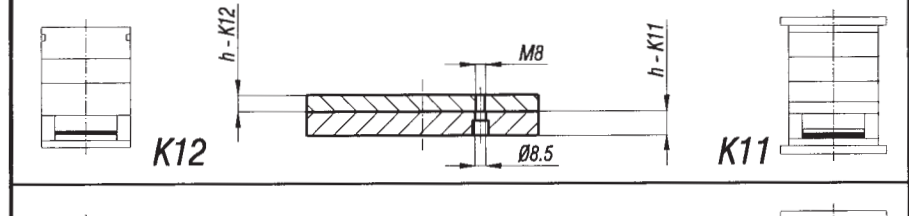
K4

mat. \ h	46	56	66	76	96	116		
1730	●	●	●	●	●	●		
2738	●	●	●	●	●	●		



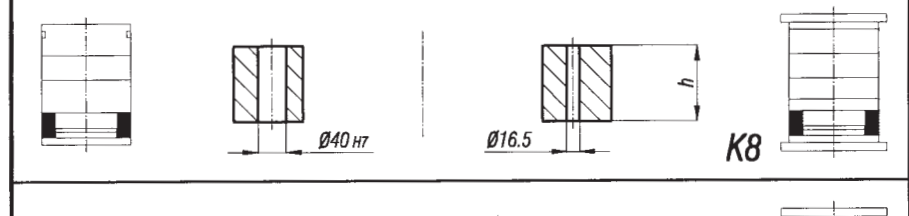
K6

mat. \ h	46							
1730	●							
2738								



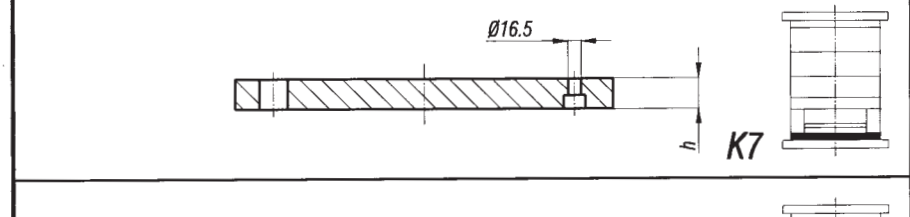
K12 K11

mat. \ h	Y11 = 18		Y12 = 18					
1730		●		●				
2738								



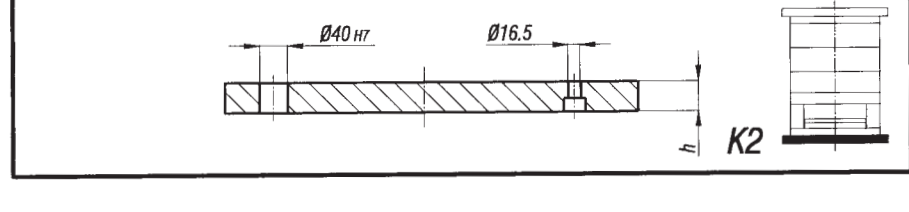
K8

mat. \ h	57	77	97	117				
1730	●	●	●	●				
2738								



K7

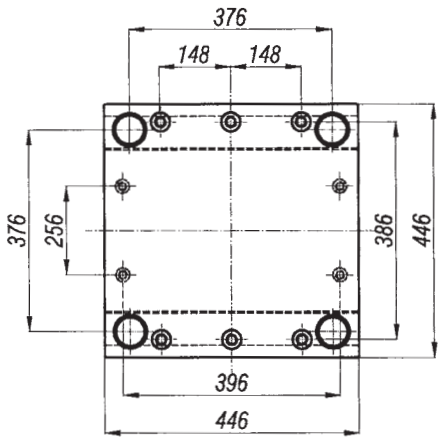
mat. \ h	26							
1730	●							
2738								



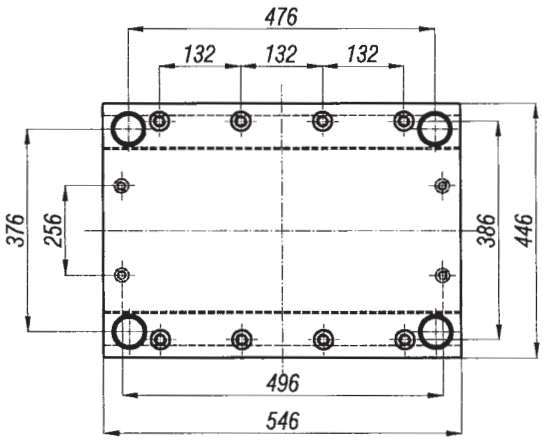
K2

mat. \ h	26							
1730	●							
2738								

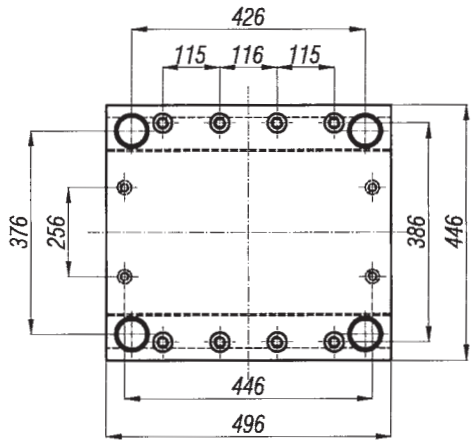
C8/02



446x446



446x546



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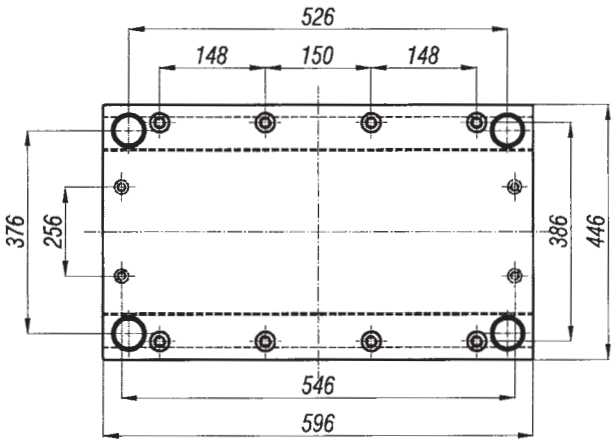
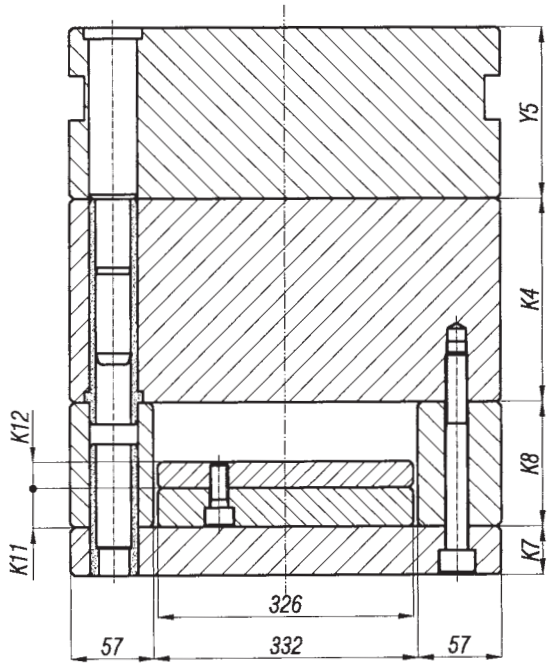
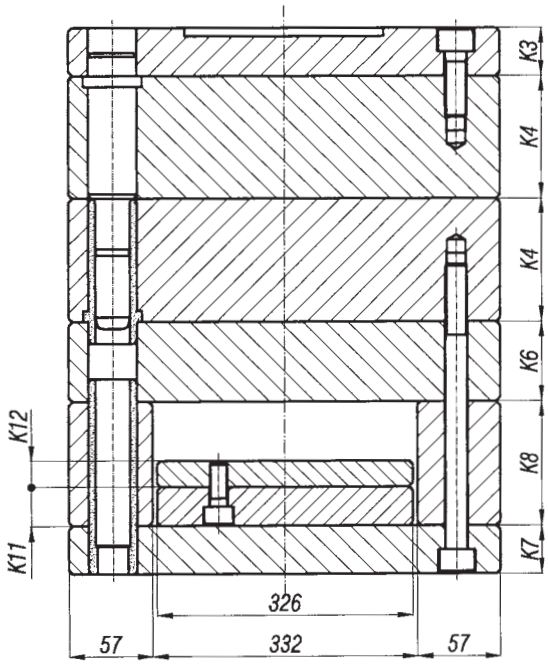


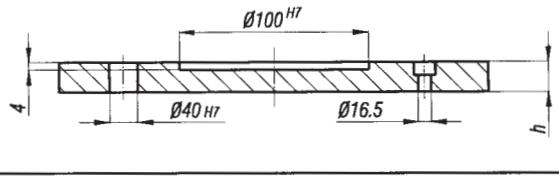
446x596

Serie HE



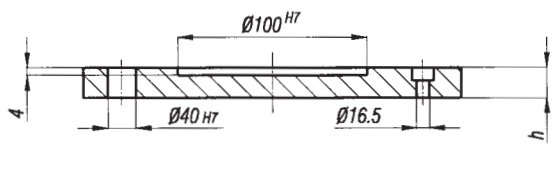
Serie H





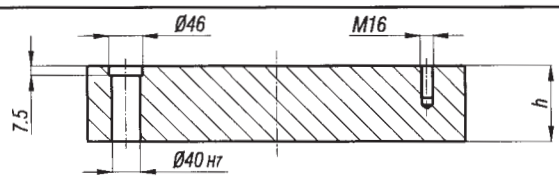
K1

h / mat.	36							
1730	●							
2738								



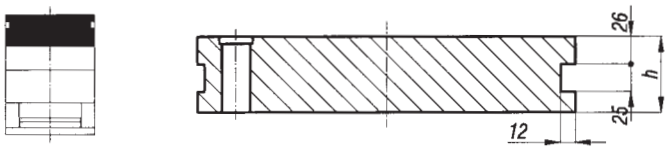
K3

h / mat.	26							
1730	●							
2738								



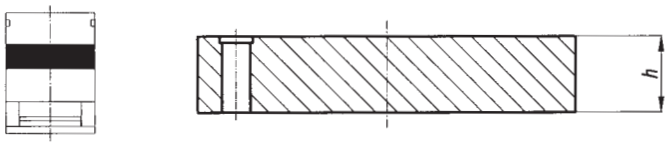
K4

h / mat.	46	56	66	76	96	116		
1730	●	●	●	●	●	●		
2738	●	●	●	●	●	●		



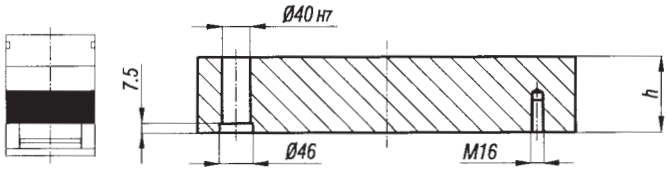
Y5

h / mat.	66	76	96	116	146			
1730	●	●	●	●	●			
2738	●	●	●	●	●			



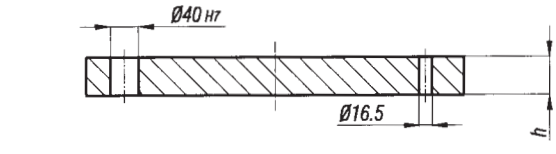
M

h / mat.	46	56	66	76	96	116	146	
1730	●	●	●	●	●	●	●	
2738	●	●	●	●	●	●	●	



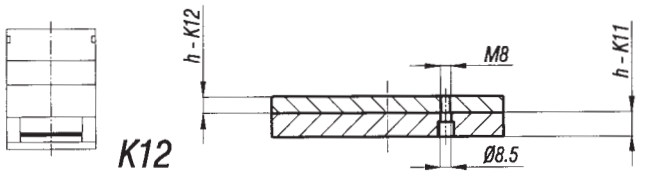
K4

h / mat.	46	56	66	76	96	116		
1730	●	●	●	●	●	●		
2738	●	●	●	●	●	●		



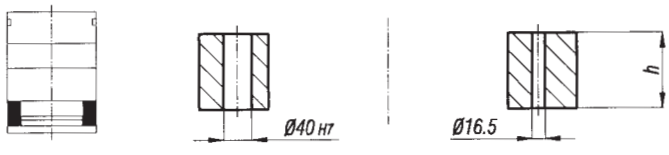
K6

h / mat.	46							
1730	●							
2738								



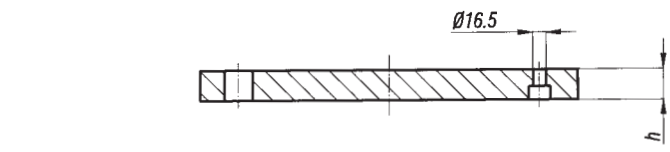
K12 K11

h / mat.	Y11 = 18			Y12 = 18				
1730		●			●			
2738								



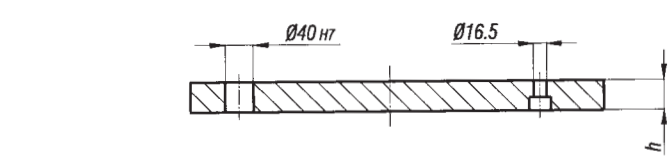
K8

h / mat.	57	77	97	117				
1730	●	●	●	●				
2738								



K7

h / mat.	26							
1730	●							
2738								



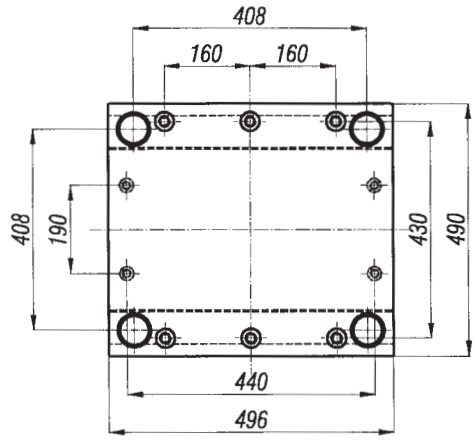
K2

h / mat.	36							
1730	●							
2738								

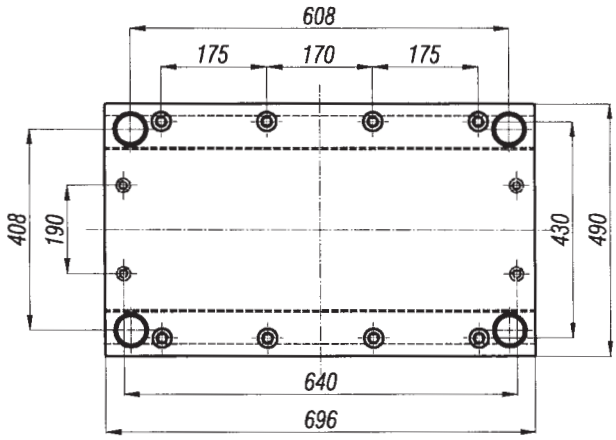
D9/02

TUMA

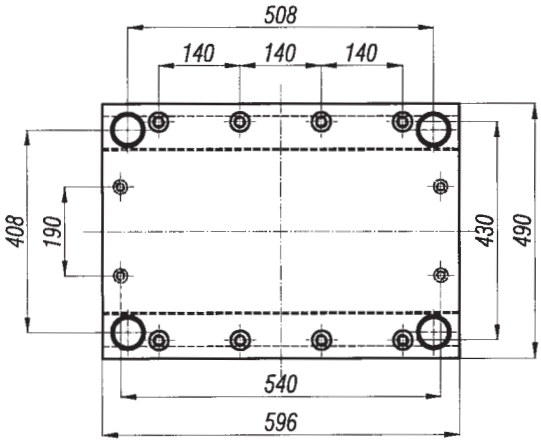
490



490x496

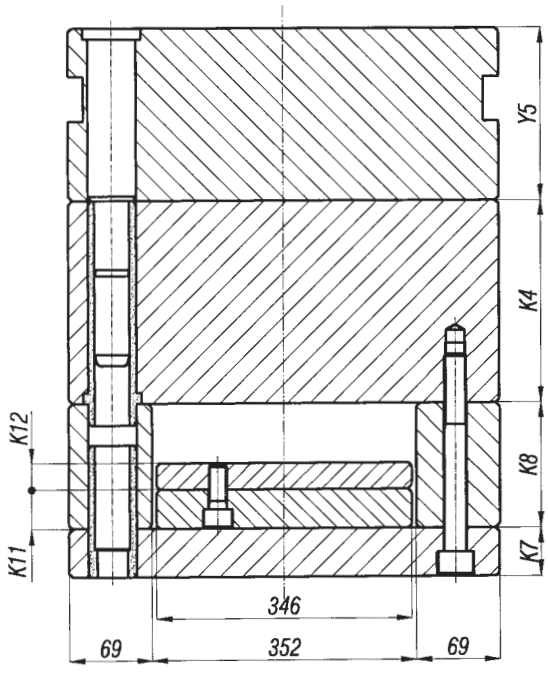


490x696

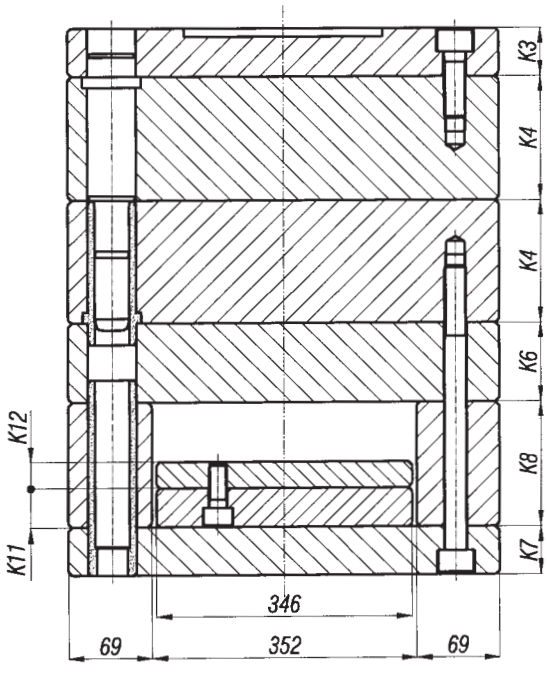


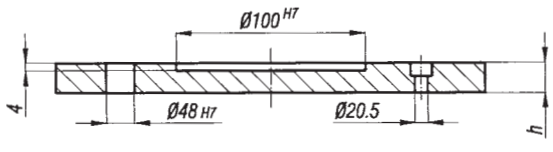
490x596

Serie HE



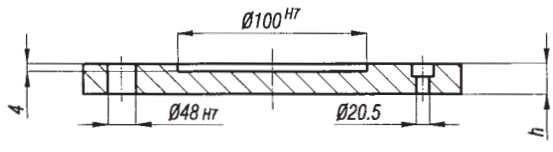
Serie H





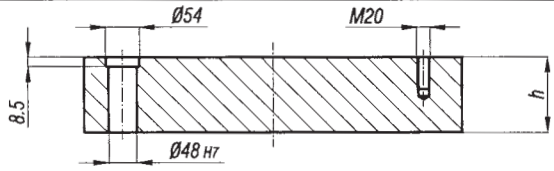
K1

mat. \ h	36							
1730	●							
2738								



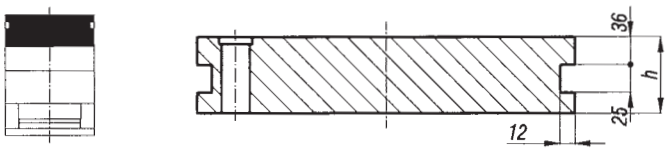
K3

mat. \ h	36							
1730	●							
2738								



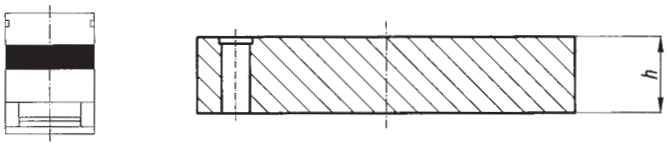
K4

mat. \ h	46	56	66	76	96	116	146	
1730	●	●	●	●	●	●	●	
2738	●	●	●	●	●	●	●	



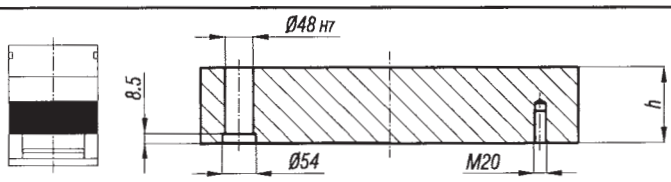
Y5

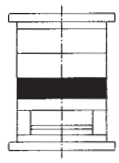
mat. \ h	66	76	96	116	146	170		
1730	●	●	●	●	●	●		
2738	●	●	●	●	●	●		



M

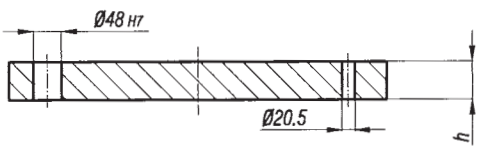
mat. \ h	46	56	66	76	96	116	146	170
1730	●	●	●	●	●	●	●	●
2738	●	●	●	●	●	●	●	●





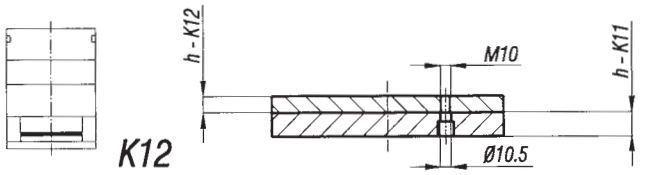
K4

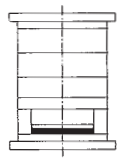
mat. \ h	46	56	66	76	96	116	146	
1730	●	●	●	●	●	●	●	
2738	●	●	●	●	●	●	●	



K6

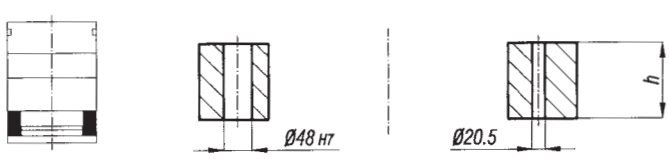
mat. \ h	56							
1730	●							
2738								

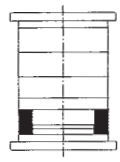




K12 **K11**

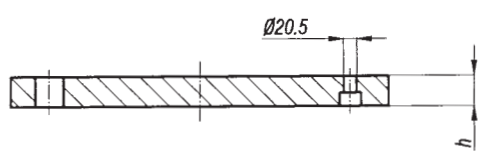
mat. \ h	Y11 = 22		Y12 = 22					
1730		●		●				
2738								





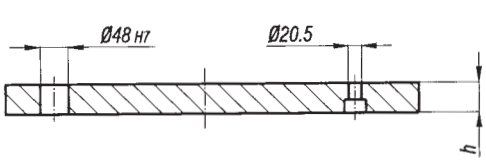
K8

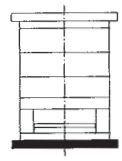
mat. \ h	77	97	117					
1730	●	●	●					
2738								



K7

mat. \ h	36							
1730	●							
2738								



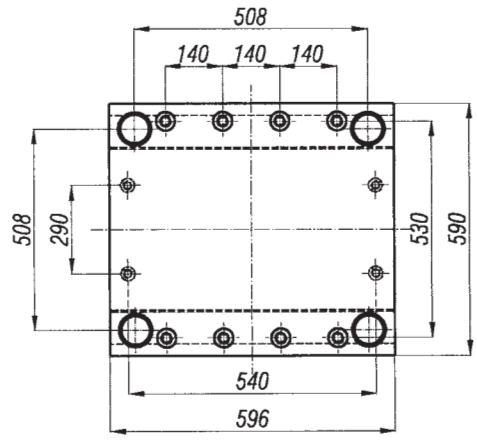


K2

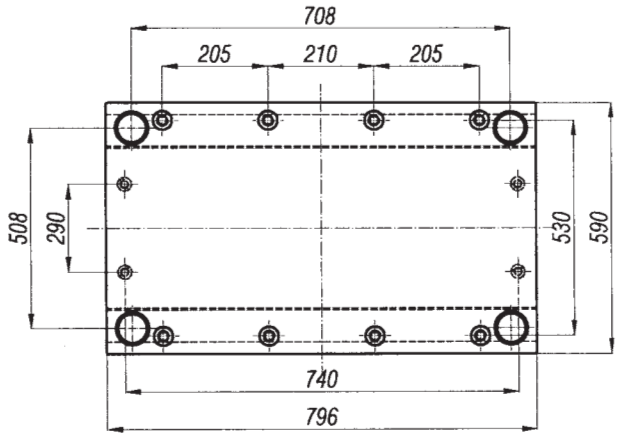
mat. \ h	36							
1730	●							
2738								

TUMI

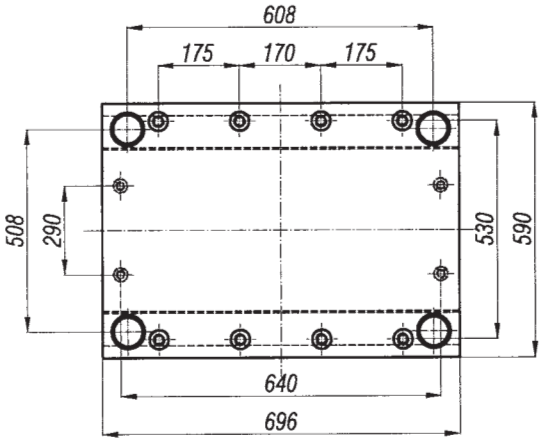
590



590x596

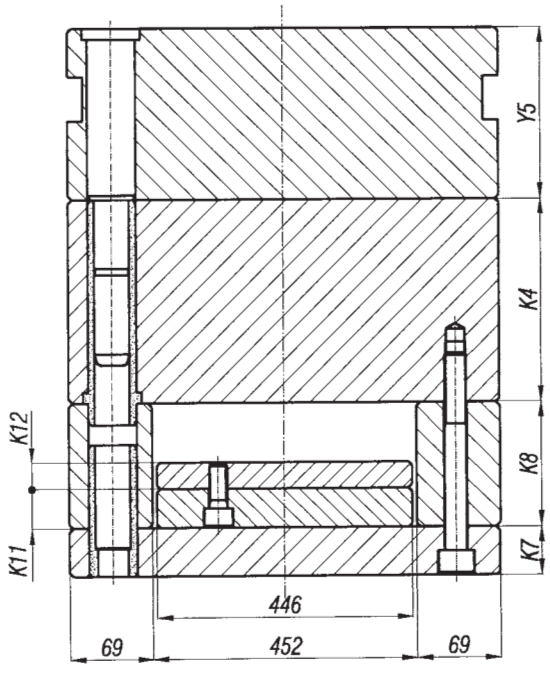


590x796

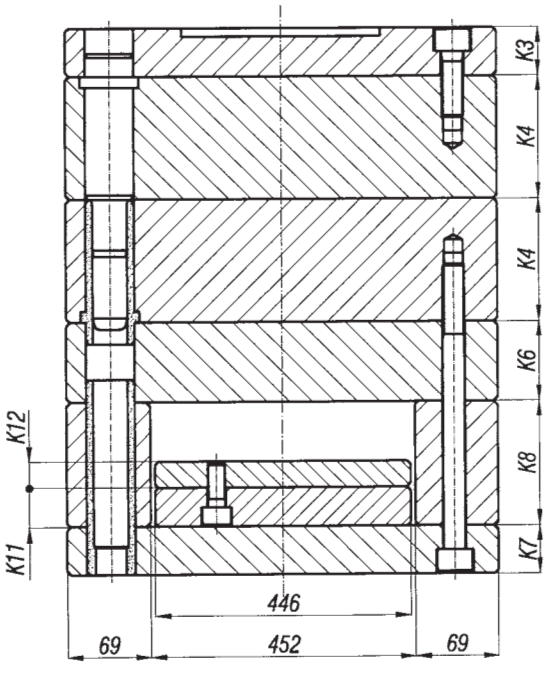


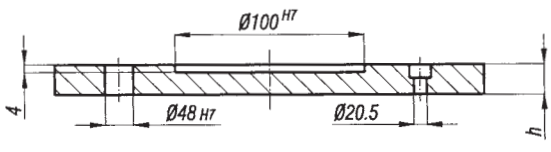
590x696

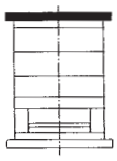
Serie HE



Serie H

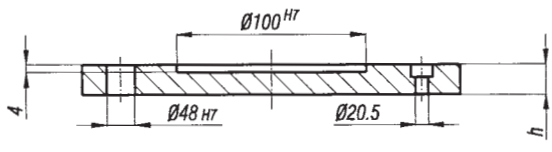






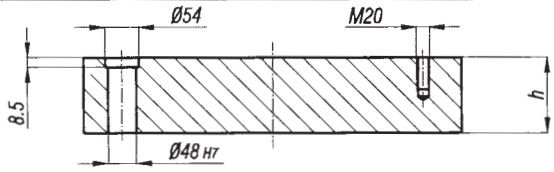
K1

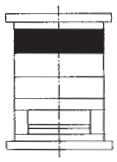
mat. \ h	36							
1730	●							
2738								



K3

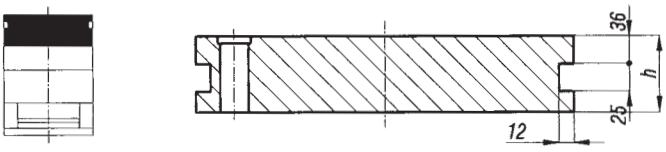
mat. \ h	36							
1730	●							
2738								

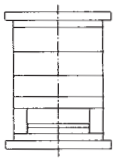




K4

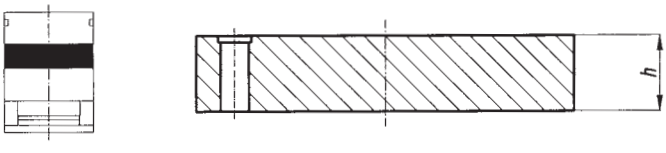
mat. \ h	46	56	66	76	96	116	146	
1730	●	●	●	●	●	●	●	
2738	●	●	●	●	●	●	●	





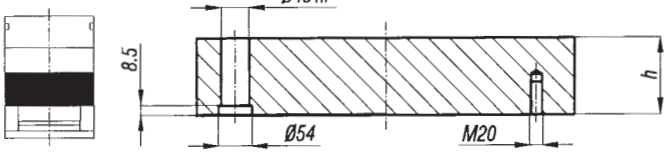
Y5

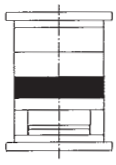
mat. \ h	66	76	96	116	146	170		
1730	●	●	●	●	●	●		
2738	●	●	●	●	●	●		



M

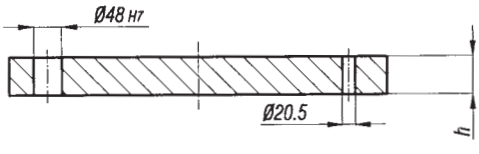
mat. \ h	46	56	66	76	96	116	146	170
1730	●	●	●	●	●	●	●	●
2738	●	●	●	●	●	●	●	●

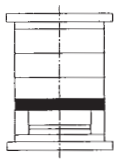




K4

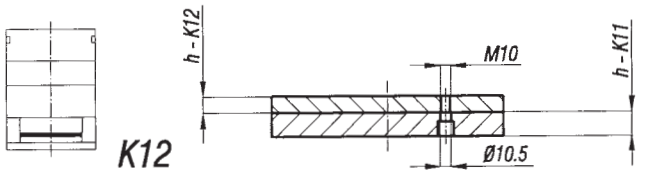
mat. \ h	46	56	66	76	96	116	146	
1730	●	●	●	●	●	●	●	
2738	●	●	●	●	●	●	●	





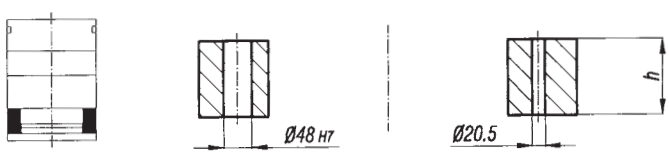
K6

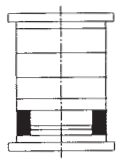
mat. \ h	56							
1730	●							
2738								



K12 **K11**

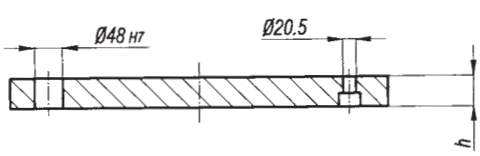
mat. \ h	Y11 = 22			Y12 = 22				
1730		●			●			
2738								





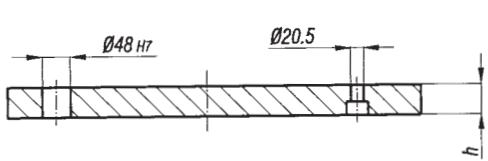
K8

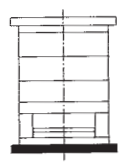
mat. \ h	77	97	117					
1730	●	●	●					
2738								



K7

mat. \ h	36							
1730	●							
2738								





K2

mat. \ h	36							
1730	●							
2738								

TVM

Materiale accessori

Materiale	: 18 Ni Cr Mo5 UNI EN 10084
Durezza superficiale	: HRC 61 ÷ 63
Trattamento	: Cementazione - Tempra
Finitura	: Rettifica
Codice	: SSC1 - SSC1s - SSC2 - SSC4 - SSB1 - SSB1s - SSB3 - SSB2 - SSBC

Materiale	: 16 Cr Ni4 UNI EN 10084
Durezza superficiale	: HRC 61 ÷ 63
Trattamento	: Cementazione - Tempra
Finitura	: Rettifica
Codice	: SSC1 - SSC1s - SSC2 - SSC4 - SSB1 - SSB1s - SSB3 - SSB2 - SSBC

Materiale	: 16 Cr Ni4 UNI EN 10084
Durezza superficiale	: HRC 58 ÷ 60
Trattamento	: Cementazione - Tempra
Finitura	: Rettifica
Codice	: CCB - CCL

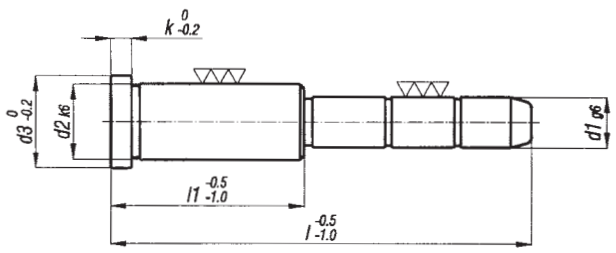
Materiale	: X37 Cr Mo V51 UNI EN 10088-1
Durezza superficiale	: HRC 50
Trattamento	: Tempra oppure esecuzione normale
Finitura	: Rettifica
Codice	: UGE

Materiale	: X40 Cr Mo V51 Ku UNI EN 10088-1
Durezza superficiale	: HRC 63 ÷ 67
Trattamento	: Nitrurazione
Finitura	: Rettifica
Codice	: ETC

Materiale	: C 45 UNI 7845
Durezza superficiale	:
Trattamento	:
Finitura	: Rettifica
Codice	: ANE

TVMB

SSC1

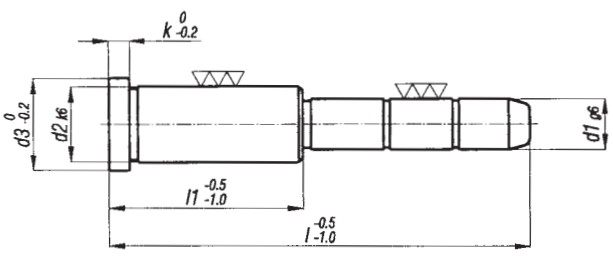


Materiale : *18NiCrMo5 o 16CrNi4*

Durezza superficiale : *HRc 61 ÷ 63*

d1	d2	d3	k	l1	l																	
					50	60	70	80	90	100	120	140	160	180	200	220	240	260	280	300	350	400
12	18	22	5	22	●	●	●	●	●	●												
				26	●	●	●	●	●	●												
				36	●	●	●	●	●	●	●											
				46			●	●	●	●	●											
				56					●	●	●											
14	20	24	5	22	●	●	●	●	●	●												
				26		●	●	●	●	●	●	●	●									
				36			●	●	●	●	●											
				46			●	●	●	●	●											
				56					●	●	●											
16	22	26	5	22	●	●	●	●	●	●	●	●	●	●								
				26	●	●	●	●	●	●	●	●	●	●	●							
				36		●	●	●	●	●	●	●	●	●	●							
				46			●	●	●	●	●	●	●	●	●	●	●					
				56				●	●	●	●	●	●	●	●							
				66						●	●	●	●	●	●	●						
				76						●	●	●	●	●	●							
				96								●	●	●	●							
17	22	26	5	26	●	●	●	●														
				36			●	●	●													
				46					●	●	●											
				56						●	●											
				66							●											
				76							●	●										
				96									●									
18	26	30	5	26		●	●	●	●	●												
				36		●	●	●	●	●	●	●										
				46			●	●	●	●	●	●	●									
				56				●	●	●	●	●	●	●								
				66						●	●	●	●	●								
				76							●	●	●	●								
20	28	32	6	26		●	●	●	●	●	●	●	●	●	●	●						
				36		●	●	●	●	●	●	●	●	●	●							
				46			●	●	●	●	●	●	●	●	●	●	●					
				56					●	●	●	●	●	●	●	●						
				66						●	●	●	●	●	●	●	●					
				76							●	●	●	●	●	●	●					
				86								●	●	●	●	●						
				96								●	●	●	●	●	●					
21	28	32	6	26	●																	
				36			●															
				46				●		●	●	●										
				56						●	●	●										
				66							●	●	●									
				76								●										
				96									●	●								

SSC1

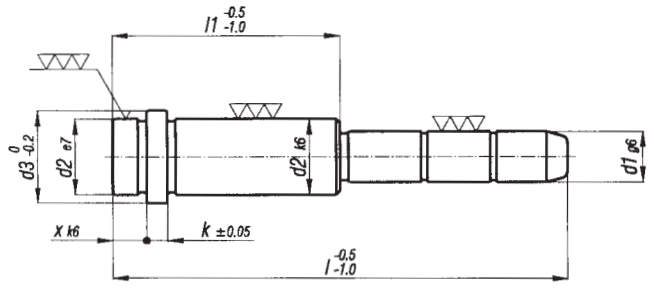


Materiale : *18NiCrMo5 o 16CrNi4*

Durezza superficiale : *HRc 61 ÷ 63*

d1	d2	d3	k	l1	l															
					50	60	70	80	90	100	120	140	160	180	200	220	240	260	280	300	350	400
25	34	38	7	26				●	●	●	●	●	●	●								
				36				●	●	●	●	●	●	●	●							
				46					●	●	●	●	●	●	●	●	●					
				56						●	●	●	●	●	●	●	●	●				
				66							●	●	●	●	●	●	●	●	●			
				76							●	●	●	●	●	●	●	●	●			
				86								●	●	●	●	●	●	●	●			
				96								●	●	●	●	●	●	●	●			
				106									●	●	●	●	●	●	●			
				116									●	●	●	●	●	●	●			
26	34	38	7	36			●															
				46				●	●													
				56						●												
				66							●	●										
				76								●	●									
				96									●	●								
				116										●								
31	40	45	7	46					●													
				56						●												
				66							●											
				76								●										
				96									●									
				116										●	●							
32	40	45	7	36						●	●		●	●	●	●						
				46						●	●	●	●	●	●	●	●					
				56						●	●	●	●	●	●	●	●					
				66							●	●	●	●	●	●	●	●	●			
				76								●	●	●	●	●	●	●	●			
				86									●	●	●	●	●	●	●			
				96									●	●	●	●	●	●	●	●	●	
				106									●	●	●	●	●	●	●	●	●	●
				116									●	●	●	●	●	●	●	●	●	●
				126										●	●	●	●	●	●	●	●	●
40	48	52	8	46							●	●	●	●	●							
				56							●	●	●	●	●	●						
				66							●	●	●	●	●	●	●					
				76								●	●	●	●	●	●	●				
				86									●	●	●	●	●	●	●			
				96									●	●	●	●	●	●	●	●	●	
				106										●	●	●	●	●	●	●	●	●
				116									●	●	●	●	●	●	●	●	●	●
				126											●	●	●	●	●	●	●	●
50	60	65	10	96											●	●	●	●	●	●	●	
				116												●		●		●		
				126													●	●	●	●	●	
				146													●	●	●	●	●	●
				176															●	●	●	

SSC1s



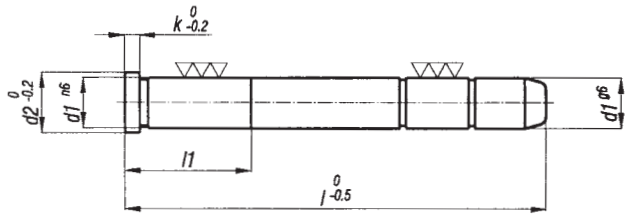
Materiale : *18NiCrMo5 o 16CrNi4*

Durezza superficiale : *HRc 61 ÷ 63*

d1	d2	d3	k	x	l1	l								
						80	90	110	130	150	170	190	210	230
16	22	26	5	10	36	●	●	●	●	●				
					46	●	●	●	●	●				
					56		●	●	●	●	●			
					66			●	●	●	●	●	●	
					76				●	●	●	●	●	
					86					●	●	●	●	
20	28	32	6	10	46	●	●	●	●	●	●			
					56		●	●	●	●	●			
					66			●	●	●	●	●	●	
					76				●	●	●	●	●	
					86					●	●	●	●	
					106					●	●	●	●	
25	34	38	7	10	46		●	●	●	●	●	●		
					56		●	●	●	●	●	●	●	
					66			●	●	●	●	●	●	
					76				●	●	●	●	●	
					86					●	●	●	●	
					106					●	●	●	●	
32	40	45	7	10	46			●	●	●				
					56			●	●	●	●			
					66			●	●	●	●	●	●	●
					76				●	●	●	●	●	●
					86					●	●	●	●	●
					106					●	●	●	●	●
					116							●	●	●
					126							●	●	●
					136							●	●	●
					156							●	●	●
40	48	52	8	10	56				●	●				
					66				●	●	●			
					76					●	●	●	●	
					86					●	●	●	●	●
					106						●	●	●	●

TYMA

SSC2



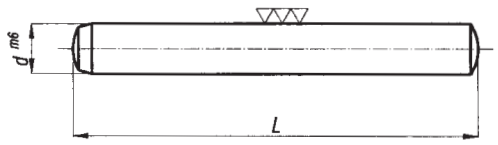
Materiale : *18NiCrMo5 o 16CrNi4*

Durezza superficiale : *HRc 61 ÷ 63*

l	l1	d1 / d2 / k								
		12	14	16	18	20	25	32	40	50
		16	18	20	22	24	30	37	45	55
		5	5	5	5	6	7	7	8	10
50	13	●	●	●	●					
60	15	●	●	●	●	●				
70	15	●	●	●	●	●				
80	20	●	●	●	●	●	●			
90	20	●	●	●	●	●	●			
100	25	●	●	●	●	●	●			
110	25		●	●	●	●				
120	25	●	●	●	●	●	●	●	●	
130	25		●	●	●	●				
140	30	●	●	●	●	●	●	●	●	
150	30		●	●	●	●				
160	35	●	●	●	●	●	●	●	●	
180	40		●	●	●	●	●	●	●	
200	40			●	●	●	●	●	●	
220	50			●	●	●	●	●	●	
240	50					●	●	●	●	●
260	50					●	●	●	●	●
280	50					●	●	●	●	●
300	60					●	●	●	●	●
350	70						●	●	●	●
400	80						●	●	●	●
450	90							●	●	●
500	100								●	●
600	110									●

TYMA

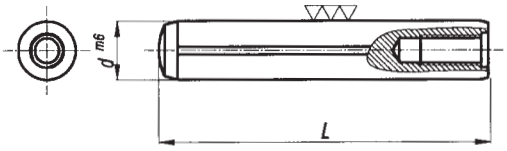
SSC5



Materiale : *18NiCrMo 5 oppure 100 Cr6*
Caratteristiche : *Temprato HRc 60 oppure Cementato, temprato HRc 60*
Esecuzione : *Rettificata lappata Ra 0.4 max*

d	L																					
	6	8	10	12	14	16	18	20	24	28	32	36	40	45	50	55	60	70	80	90	100	120
2	●	●	●	●	●	●	●	●														
2.5	●	●	●	●	●	●	●	●	●													
3		●	●	●	●	●	●	●	●	●	●											
4			●	●	●	●	●	●	●	●	●	●	●									
5				●	●	●	●	●	●	●	●	●	●	●	●							
6					●	●	●	●	●	●	●	●	●	●	●	●	●					
8							●	●	●	●	●	●	●	●	●	●	●	●	●			
10									●	●	●	●	●	●	●	●	●	●	●	●	●	
12										●	●	●	●	●	●	●	●	●	●	●	●	
14												●	●	●	●	●	●	●	●	●	●	●
16													●	●	●	●	●	●	●	●	●	●
20															●	●	●	●	●	●	●	●

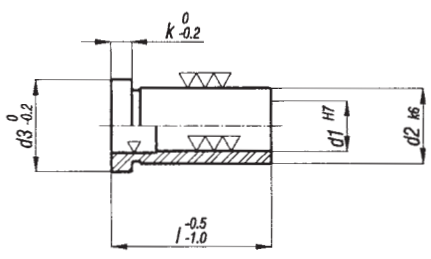
SSC6



Materiale : *18NiCrMo 5 oppure 100 Cr6*
Caratteristiche : *Cementato, temprato HRc 60*
Esecuzione : *Rettificata lappata Ra 0.4 max*

d	L																				
	16	18	20	24	28	32	36	40	45	50	55	60	70	80	90	100	120	140	160	180	200
6	●	●	●	●	●	●	●	●	●	●	●	●									
8			●	●	●	●	●	●	●	●	●	●	●	●							
10				●	●	●	●	●	●	●	●	●	●	●	●	●	●				
12						●	●	●	●	●	●	●	●	●	●	●	●				
14						●	●	●	●	●	●	●	●	●	●	●	●	●	●		
16								●	●	●	●	●	●	●	●	●	●	●	●	●	
20									●	●	●	●	●	●	●	●	●	●	●	●	●

SSB1

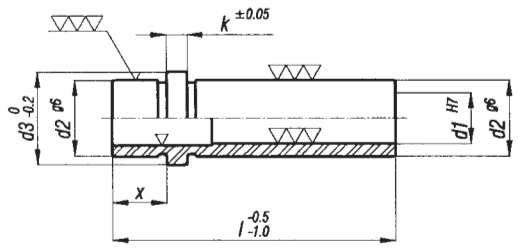


Materiale : *18NiCrMo5 o 16CrNi4*

Durezza superficiale : *HRc 61 ÷ 63*

d1	d2	d3	k	l														
				22	26	36	46	56	66	76	86	96	106	116	126	136	146	156
12	18	22	5	●	●	●	●	●										
14	20	24	5	●	●	●	●	●	●									
16	22	26	5	●	●	●	●	●	●	●	●	●						
17	22	26	5		●	●	●	●	●	●		●						
18	26	30	5	●	●	●	●	●	●	●	●	●						
20	28	32	6	●	●	●	●	●	●	●	●	●	●	●	●		●	
21	28	32	6		●	●	●	●	●	●		●						
25	34	38	7		●	●	●	●	●	●	●	●	●	●	●		●	
26	34	38	7			●	●	●	●	●		●		●				
31	40	45	7				●	●	●	●		●		●				
32	40	45	7		●	●	●	●	●	●	●	●	●	●	●	●	●	
40	48	52	8			●	●	●	●	●	●	●	●	●	●	●	●	
50	60	65	10							●	●	●	●	●	●	●	●	●

SSB1s

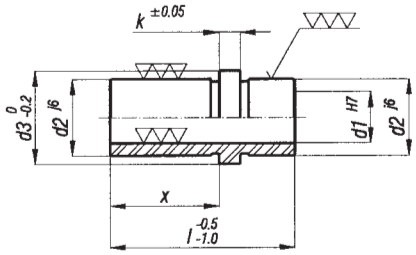


Materiale : *18NiCrMo5 o 16CrNi4*

Durezza superficiale : *HRc 61÷63*

d1	d2	d3	k	x	l												
					26	36	46	56	66	76	86	96	106	116	126	136	156
16	22	26	5	10	●	●	●	●	●	●	●	●	●				
17	22	26	5	10													
20	28	32	6	10		●	●	●	●	●	●	●	●				
21	28	32	6	10													
25	34	38	7	10		●	●	●	●	●	●	●	●				
26	34	38	7	10													
31	40	45	7	10													
32	40	45	7	10			●	●	●	●	●	●	●	●	●	●	●
40	48	52	8	10				●	●	●	●	●	●	●	●	●	●

SSB3

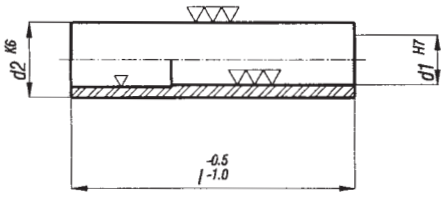


Materiale : *18NiCrMo5 o 16CrNi4*

Durezza superficiale : *HRc 61÷63*

d1	d2	d3	k	x	l							
					27	32	40	50	65	70	80	90
12	18	22	5	16		●	●					
14	20	24	5	16	●	●	●					
16	22	26	5	16	●	●	●					
18	26	30	5	16		●	●					
20	28	32	6	16	●	●	●					
25	34	38	7	16		●	●					
32	40	45	7	25		●		●	●			
40	48	52	8	32		●			●		●	
50	60	65	10	32						●		●

SSB2

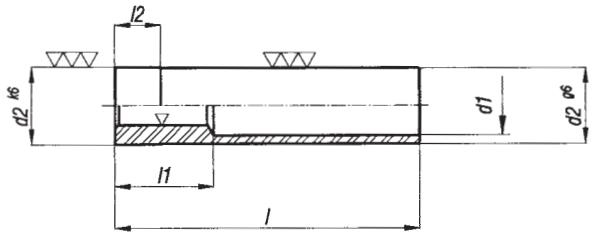


Materiale : 18NiCrMo5 o 16CrNi4

Durezza superficiale : HRc 61 ÷ 63

d1	d2	l										
		22	26	36	46	56	66	76	86	96	106	116
12	18	●	●	●	●	●						
14	20	●	●	●	●	●	●					
16	22	●	●	●	●	●	●	●	●	●		
18	26	●	●	●	●	●	●	●	●	●		
20	28		●	●	●	●	●	●	●	●		
25	34		●	●	●	●	●	●	●	●	●	●
32	40		●	●	●	●	●	●	●	●	●	●
40	48				●	●	●	●	●	●	●	●

SSBC



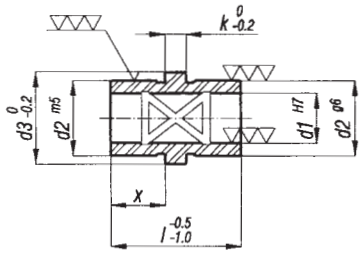
Materiale : 18NiCrMo5 o 16CrNi4

Durezza superficiale : HRc 61 ÷ 63

d1	d2	l1	l2	l							
				30	40	60	80	100	120	140	160
17	22	13	6		●	●	●	●	●	●	●
21	28	13	6			●	●	●	●	●	●
26	34	13	6			●	●	●	●	●	●
33	40	13	6			●	●	●	●	●	●

TVM

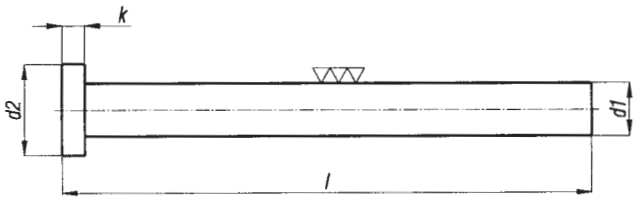
SSB3b



Materiale : Bronzo

d1	d2	d3	k	x	l				
					32	40	50	65	80
14	20	24	5	16	●	●			
16	22	26	5	16	●	●			
18	26	30	5	16	●	●			
20	28	32	6	16	●	●			
25	34	38	7	16	●	●			
32	40	45	7	25			●	●	
40	48	52	8	32				●	●

ETC



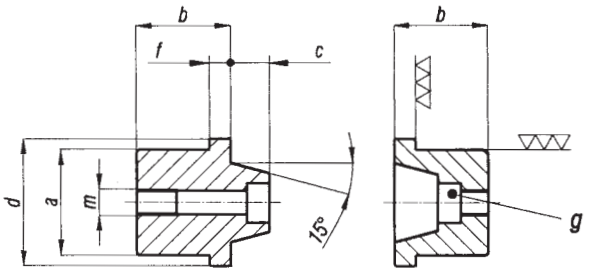
Materiale : X40CrMoV51Ku

Durezza superficiale : HRc 63 ÷ 67

d1	d2	k	l								
			100	125	150	175	200	250	300	350	400	500
2	4	2	●	●	●	●	●					
3	6	3	●	●	●	●	●	●	●	●	●	
4	8	3	●	●	●	●	●	●	●	●	●	
5	10	3	●	●	●	●	●	●	●	●	●	
6	12	5	●	●	●	●	●	●	●	●	●	●
8	14	5	●	●	●	●	●	●	●	●	●	●
10	16	5	●	●	●	●	●	●	●	●	●	●
12	20	7	●	●	●	●	●	●	●	●	●	●
14	22	7	●	●	●	●	●	●	●	●	●	●
16	24	7	●	●	●	●	●	●	●	●	●	●
20	28	7	●	●	●	●	●	●	●	●	●	●

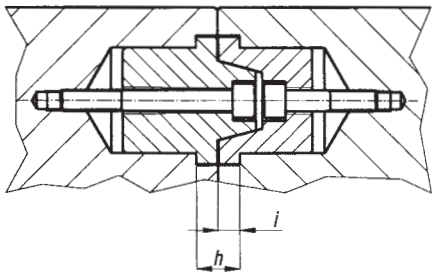
TYMA

CCB



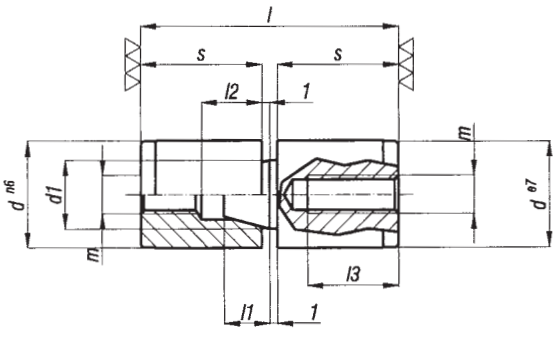
Materiale : 16CrNi4

Durezza superficiale : HRc 58 ÷ 60



Tipo \ Dim.	a	b	c	d	f	g	m	h	i
CCB 28	28 +0.02 +0.005	17.5 +0.2 0	10	34	5 +0.05 0	TCEI M6	M8	10.5 +0.02 0	5.2 +0.02 0
CCB 28 L	28 +0.02 +0.005	25 +0.2 0	10	34	5 +0.05 0	TCEI M6	M8	10.5 +0.02 0	5.2 +0.02 0
CCB 40	40 +0.02 +0.005	25.5 +0.2 0	14.5	48	8 +0.05 0	TCEI M8	M10	16.5 +0.02 0	8.2 +0.02 0
CCB 40 L	40 +0.02 +0.005	35.5 +0.2 0	14.5	48	8 +0.05 0	TCEI M8	M10	16.5 +0.02 0	8.2 +0.02 0

CCL

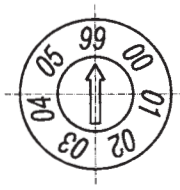


Materiale : 16CrNi4

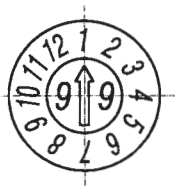
Durezza superficiale : HRc 58 ÷ 60

Tipo \ Dim.	d	d1	m	l3	l	l1	l2	s
CCL 20	20	14	M8	15	54	10	13	26
CCL 25	25	18.5	M8	15	54	10	13	26
CCL 26	26	18.5	M8	15	54	10	13	26
CCL 30	30	23.5	M10	18	72	14	20	35
CCL 32	32	23.5	M10	18	72	14	20	35
CCL 40	40	33.5	M10	18	92	17	25	45
CCL 42	42	33.5	M10	18	92	17	25	45

Datari DAF



DAF



DMAF

IFA

IF

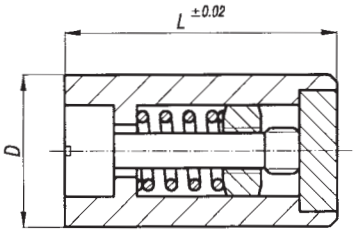
Legenda :

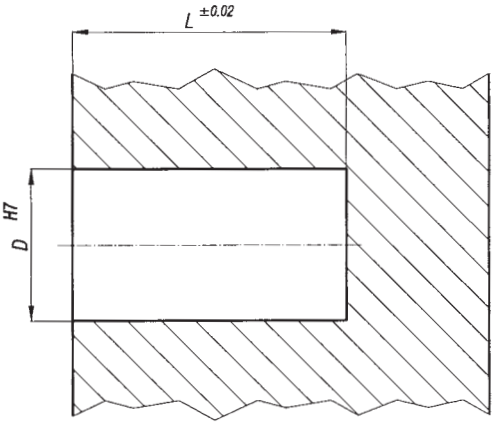
DAF : Datario anno con freccia
DMAF : Datario mese, anno con freccia
IFA : Inserto con freccia ed anno
IF : Inserto con freccia

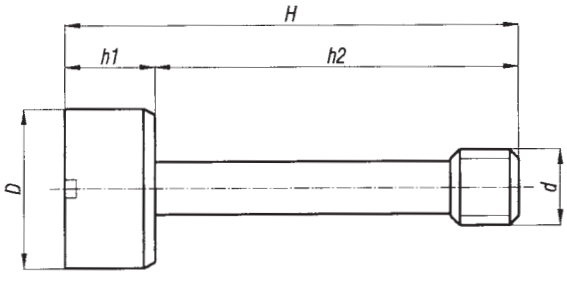
Ø	DATARIO		INSERTO	
6	DAF 6		IF 6	
6	DMAF 6		IFA 6	
8	DAF 8		IF 8	
8	DMAF 8		IFA 8	
10	DAF 10		IF 10	
10	DMAF 10		IFA 10	
12	DAF 12		IF 12	
12	DMAF 12		IFA 12	
16	DAF 16		IF 16	
16	DMAF 16		IFA 16	
20	DAF 20		IF 20	
20	DMAF 20		IFA 20	

Ø	D	L
6	6	14
8	8	17
10	10	20
12	12	22
16	16	27
20	20	36

Sede installazione







Dimensioni					
Inserto	D	d	H	h1	h2
Ø6	3.5	1.5	11	2.5	8.5
Ø8	4.5	2	14	2.5	11.5
Ø10	5.5	2.5	16	3	13
Ø12	6.5	2.8	17	3	14
Ø16	9	5	22	5	17
Ø20	10.5	5	30	6	24

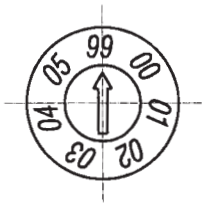
Sostituzione inserto datario :

Tramite la freccia, ruotando in senso orario, si cambia la data.
Ruotando la freccia in senso antiorario, si estrae l'inserto dal corpo.

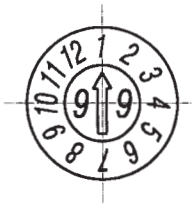
Caratteristiche tecniche :

I nostri datari sono costruiti per stampi ad iniezione e pressofusione. La cura nell'esecuzione dei numeri garantisce una chiara leggibilita'. Contengono incisi il mese e l'anno.
Sono costruiti in acciaio, temprati e rettificati 50/52 HRC.

Datari DAF-B



DAF-B



DMAF-B

IFA-B

IF-B

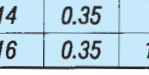
Legenda :

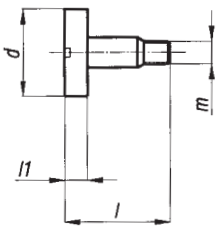
DAF : Datario anno con freccia
DMAF : Datario mese, anno con freccia
IFA : Inserto con freccia ed anno
IF : Inserto con freccia

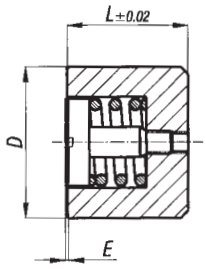
Ø	DATARIO		INSERTO	
6	DAF-B 6		IF-B 6	
6	DMAF-B 6		IFA-B 6	
8	DAF-B 8		IF-B 8	
8	DMAF-B 8		IFA-B 8	
10	DAF-B 10		IF-B 10	
10	DMAF-B 10		IFA-B 10	
12	DAF-B 12		IF-B 12	
12	DMAF-B 12		IFA-B 12	
16	DAF-B 16		IF-B 16	
16	DMAF-B 16		IFA-B 16	
20	DAF-B 20		IF-B 20	
20	DMAF-B 20		IFA-B 20	

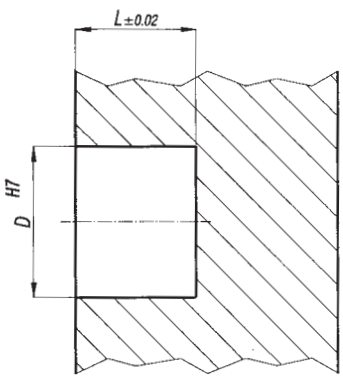
Ø	D	L	E	d	m	l	l1
6	6	8	0.20	3.1	1.6x0.20	7	1.5
8	8	10	0.25	4.1	2.3x0.25	9	2.0
10	10	12	0.35	5	2.5x0.35	11	2.0
12	12	14	0.35	6	3x0.35	13	2.5
16	16	14	0.35	8	4x0.35	13	2.5
20	20	16	0.35	10	4x0.35	15	2.5

Sede installazione









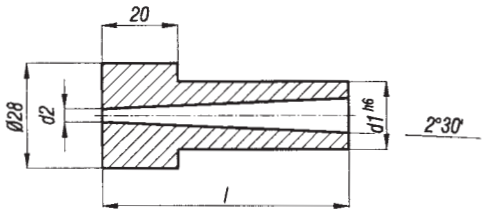
Sostituzione inserto datario :

Tramite la freccia, ruotando in senso orario, si cambia la data.
Ruotando la freccia in senso antiorario, si estrae l'inserto dal corpo.

Caratteristiche tecniche :

I nostri datari sono costruiti per stampi ad iniezione e pressofusione. La cura nell'esecuzione dei numeri garantisce una chiara leggibilita'. Contengono incisi il mese e l'anno.
Sono costruiti in acciaio, temprati e rettificati 50/52 HRC.

TVM

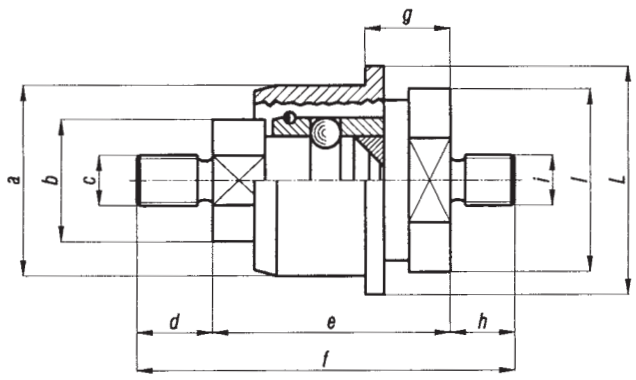


Materiale : X 37 Cr Mo V51

Durezza superficiale : HRc 50

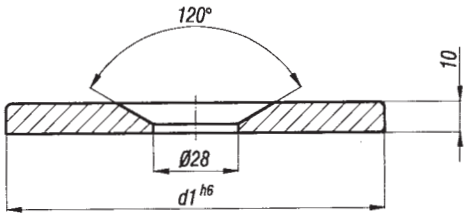
UGE

d1	d2	l							
		50	65	75	85	95	105	115	130
14	3.5	●	●	●	●	●	●	●	●
14	4.5	●	●	●	●	●	●	●	●
18	3.5	●	●	●	●	●	●	●	●
18	4.5	●	●	●	●	●	●	●	●



AG/S

	a	b	c	d	e	f	g	h	i	l	m
AG/S1	39	26	M10x1.5 M12x1.75 M14x2	20	49.5	84.5	min 13	15	M16x1.5	38	48
AG/S2	56	35	M16x2 M18x2.5 M20x2.5	25	66.5	109.5	min 19	18	M16x1.5 M18x1.5 M20x1.5	52	65

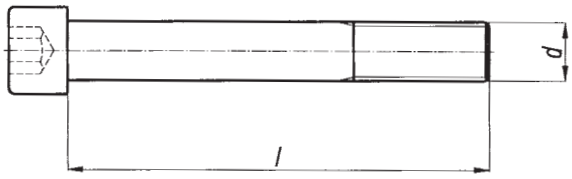


Materiale : C 45

ANE

d1							
60	70	80	90	100	125	150	175
●	●	●	●	●	●	●	●

TVM



TCEI UNI 5931

l	d					
	M8 (8.8)	M10 (12.9)	M12 (12.9)	M14 (12.9)	M16 (12.9)	M20 (12.9)
20	●	●	●	●		
25	●	●	●	●	●	
30	●	●	●	●	●	●
35	●	●	●	●	●	●
40	●	●	●	●	●	●
45	●	●	●	●	●	●
50	●	●	●	●	●	●
60	●	●	●	●	●	●
70	●	●	●	●	●	●
80	●	●	●	●	●	●
90	●	●	●	●	●	●
100	●	●	●	●	●	●
110	●	●	●	●	●	●
120	●	●	●	●	●	●
130	●	●	●	●	●	●
140	●	●	●	●	●	●
150	●	●	●	●	●	●
160	●	●	●	●	●	●
180	●	●	●	●	●	●
200		●	●	●	●	●
220		●	●	●	●	●
240		●	●	●	●	●
260		●	●	●	●	●
280		●	●	●	●	●
300		●	●	●	●	●

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