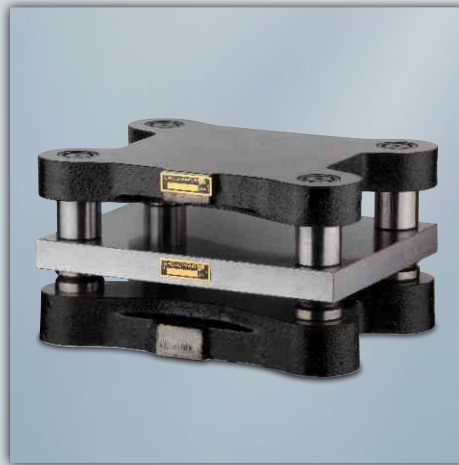




2018 | 2019



ArasZanjan

شرکت ارس زنجان در سال ۱۳۶۸ فعالیت خود را به عنوان اولین تولیدکننده قطعات پیش ساخته قالب در ایران آغاز نمود که با استفاده از تکنولوژی و دانش روز دنیا توانست محصولات خود را به بازار عرضه و به لحاظ صرفه جویی در وقت صنعتگران با استقبال فزاینده ای مواجه گردید.

هم اکنون این شرکت تولیدکننده محصولات پیش ساخته قالب با تنوعی چشم گیر می باشد که به لحاظ کیفیت بالا و قیمت مناسب و جلب رضایت مشتریان سهم عمده ای از بازار را به خود اختصاص داده است.

این شرکت برای حفظ روند دائمی کیفیت تولیدات خود مبادرت به استقرار نظام مدیریت کیفیت نمود و در سال ۱۳۸۰ موفق به دریافت گواهینامه ISO 9002 گردید و در این زمینه نیز پیشگامان می باشد. با توجه به اینکه سیاست کلی شرکت براساس مشتری مداری. استفاده از دانش و تکنولوژی روز دنیا، سعی در تأمین نیاز بازار با کیفیت بالا و قیمت مناسب استوار گردیده، لذا خود را متعهد می داند با تکیه بر نیروی انسانی کارآمد و توان بالای سخت افزاری و سیستم مدیریت کیفیت نسبت به برآورده کردن خواسته مشتریان همیشه آماده و سفارشات مراکز صنعتی را طبق مدارک فنی ارائه شده پذیرا باشد.

AZCO, az the first producer of ready-made mould components in IRAN, started its activities in 1989. by using the up to date technology of the world, AZCO Could represent its products to the market of IRAN for the sake of time saving which confronted with welcome reception of the artisans.

Now, AZCO is a leading manufacturer of the above mentioned products with considerable variegation which resulted to gain an outstanding space for its high quality products with reasonable and competitive prices in the market.

For continuation of its products quality, AZCO attempted to establish the "QMS" (Quality Management System) that succeeded to gain the ISO 9002 in 2001 and became the pioneer on that connection.

AZCO considers its policy on the basis of complying with the clients requirements, using the worlds up to date technology, effort in supplying the markets requirements with superior quality and reasonable prices.

AZCO also relies on its dexterous manpower with their high potentiality in using the modern machinery and hardware to create the products which are successfully confirmed by the quality controls management system after attentive experiments. AZCO is proud of being ready to comply with the orders of industrial centers, in IRAN and foreign countries, according to the International Standard and providing with the technical documentation.

Product Groups

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Die Sets



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Guide Pillars & Bushes



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Springs



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Sliding Pads



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Ejector Pin



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Mould Bases



77

Cam Units



133



DIE SETS



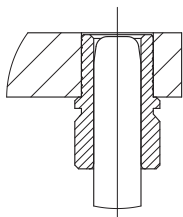
DMC 1035 V *eco*
DMG **ECOLINE**



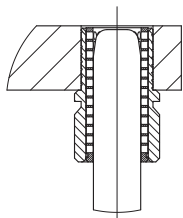
Guide System

سیستم راهنما

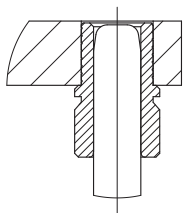
در کفشک‌های چدنی باتوجه به نوع کاربرد آن می‌توان یکی از ۴ سیستم راهنمای معرفی شده در این صفحه را استفاده کرد که در کدگذاری کفشک‌ها نوع سیستم راهنما با 1/، 2/، 3/، و 4/ نشان داده شده است.



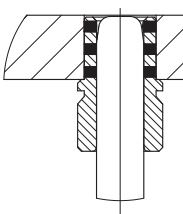
1- Steel Guide Bush
۱- بوش راهنمای فولادی



2- Ball Bearing Guide Bush
۲- بوش راهنمای ساچمه‌ای



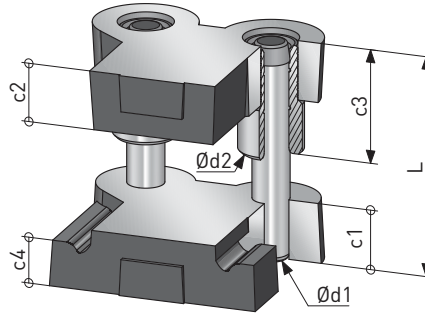
3- Bronze Guide Bush
۳- بوش راهنمای برنزی



4- Bronze Guide Bush with Graphite
۴- بوش راهنمای برنزی همراه با گرافیت

Rectangular Die sets Shape CA1 Cast Iron-Rear Pillars

کفشک سطح کار مستطیل مدل CA1
راهنما عقب (بدون ناف)



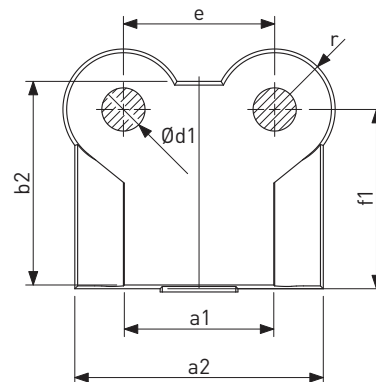
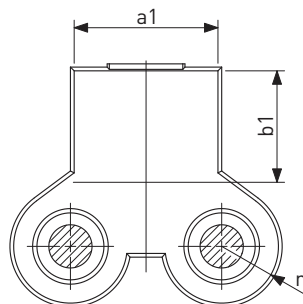
Ordering Code: CA1/a1*b1/1 or 2 or 3 or 4

Ordering Code Example: CA1/70*70/1

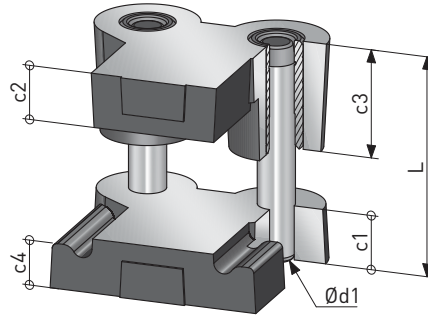
Material: Cast Iron

Hardness: 160-200 HB

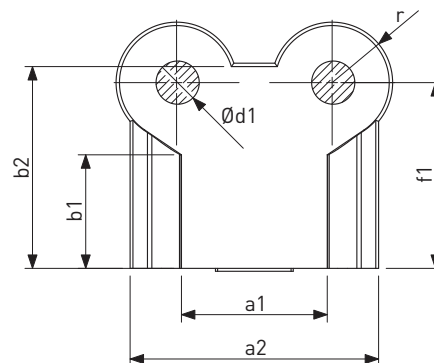
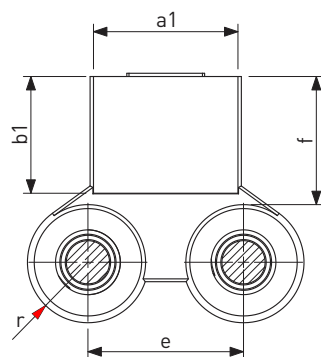
Model	a1*b1	a2	b2	c1±2	c2±2	c3+2	c4	Ød1	Ød2	e	f1±1	L	r
CA1/70*50	70*50	115	85	32	32	60	25	20	36	70	83	120	28
CA1/70*70	70*85		112								103		
CA1/100*60	100*75	145	102	35						100	93		
CA1/100*80	100*90		122								113		
CA1/125*80	125*95	179	130	40	38	75	30	25	42	125	120	140	37
CA1/125*100	125*115		150								140		
CA1/150*100	150*115	204	130							150	120		
CA1/160*80	160*100	215								160	165		
CA1/160*125	160*135		175	50	45	90		32	50	200	140	180	
CA1/200*100	200*100	255	150										



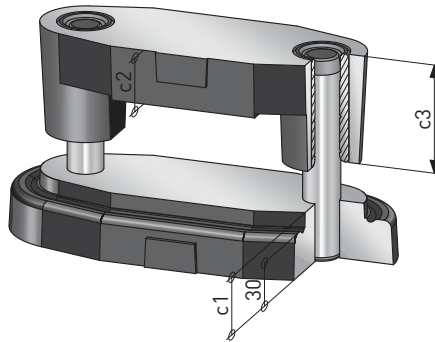
Rectangular Die sets Shape CA Cast Iron-Rear Pillars کفشک سطح کار مستطیل مدل CA راهنما عقب



Ordering Code: CA/a1*b1/1 or 2 or 3 or 4				Ordering Code Example: CA/70*70/1				Material: Cast Iron		Hardness: 160-200 HB			
Model	a1*b1	a2	b2	c1±2	c2±2	c3+2	c4	Ød1	e	f	f1±1	L	r
CA/70*70	70*70	115	112	30	25	60	25	20	70	75	103	120	28
CA/100*60	100*60	145	102	35	30				100	65	93		
CA/100*80	100*80	179	122	40	38	75	30	25	125	85	113	140	37
CA/125*80	125*80		130						87	120			
CA/125*100	125*100	204	150	50	40	90	32	25	150	107	140	180	40
CA/150*100	150*100		215						130	160	87		
CA/160*80	160*80	255	175	55	45	100	40	32	200	132	165	200	37
CA/160*125	160*125		150						107	140			
CA/200*100	200*100	305	175	60	50	100	45	40	250	132	165	220	45
CA/200*125	200*125		215						167	205			
CA/200*160	200*160	370	260	60	50	100	45	40	315	207	250	250	48
CA/250*125	250*125		312						315	257	302		
CA/250*160	250*160												
CA/250*200	250*200												
CA/315*250	315*250												



Rectangular Die sets Shape CB Cast Iron-Center Pillars کفشک سطح کار مستطیل مدل راهنما وسط



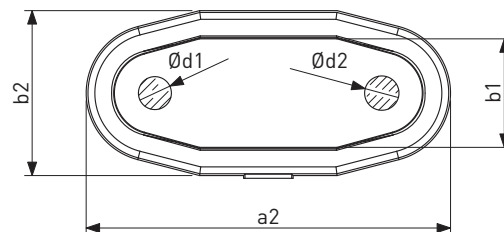
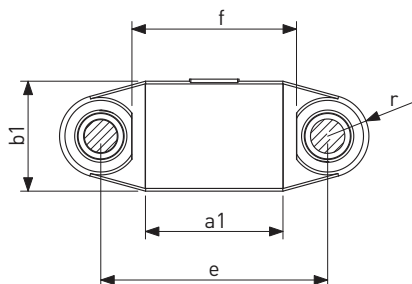
Ordering Code: CB/a1*b1/1 or 2 or 3 or 4

Ordering Code Example: CB/125*80/1

Material: Cast Iron

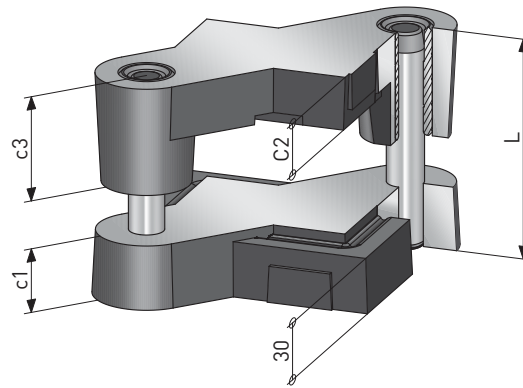
Hardness: 160-200 HB

Model	a1*b1	a2	b2	c1±2	c2±2	c3+2	Ød1	Ød2	e	L	r	f
CB/100*80	100*80	265	120	40	38	75	24	25	165	140	30	110
CB/125*80	125*80	290	140						190			138
CB/125*100	125*100								225			173
CB/160*100	160*100	325	165	50	40	90	30	32	240	180	37	215
CB/160*125	160*125	354	165						280			
CB/200*100	200*100	394	140									
CB/200*125	200*125		165									
CB/200*160	200*160		200									
CB/250*125	250*125	444	165	55	45				330			265
CB/250*160	250*160	456	200						336		40	
CB/250*200	250*200	466	250			100	38	40		220		
CB/315*125	315*125	510	165			90	30	32	395	180	37	335
CB/315*200	315*200	551	250	60	50	100	38	40	411	220	45	
CB/315*250	315*250		300									



Rectangular Die sets Shape CC Cast Iron-Diagonal Pillars

کفشک سطح کار مستطیل مدل CC
راهنما قطری



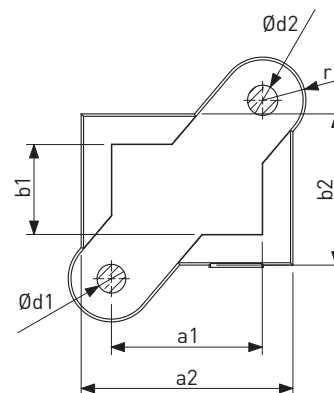
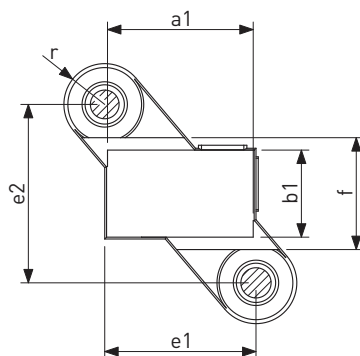
Ordering Code: CC/a1*b1/1 or 2 or 3 or 4

Ordering Code Example: CC/125*80

Material: Cast Iron

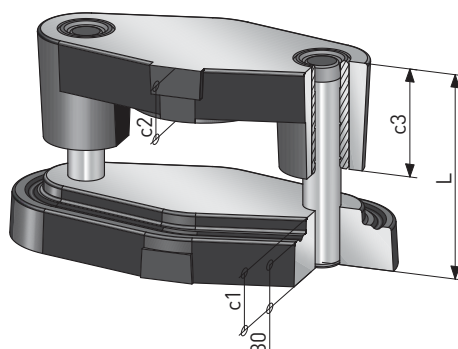
Hardness: 160-200 HB

Model	a1*b1	a2	b2	c1±2	c2±2	c3±2	Ød1	Ød2	e1	e2	L	r	f
CC/100*60	100*60	140	100	35	30	60	19	20	100	118	120	27	70
CC/100*80	100*80		120	40	38	75	24	25		144	140	30	90
CC/125*80	125*80	165							125	165			110
CC/125*100	125*100		140						160				
CC/160*100	160*100	200											
CC/160*125	160*125		165	50	40	90	30	32		205	180	37	138
CC/200*100	200*100	240	140						200	180			110
CC/200*125	200*125		165							205			138
CC/200*160	200*160		200							240			174
CC/250*125	250*125	290	165						250	205			138
CC/250*160	250*160		200	55	45					246		40	174
CC/250*200	250*200	300	250			100	38	40		286	220		218
CC/315*125	315*125	355	165			90	30	32	315	204	180	37	138
CC/315*200	315*200	365	250	60	50	100	38	40		302	220	45	218
CC/315*250	315*250		300							346			268



Rectangular Die sets Shape CD Cast Iron-Center Pillars

کفشک سطح کار گرد مدل CD
راهنما وسط



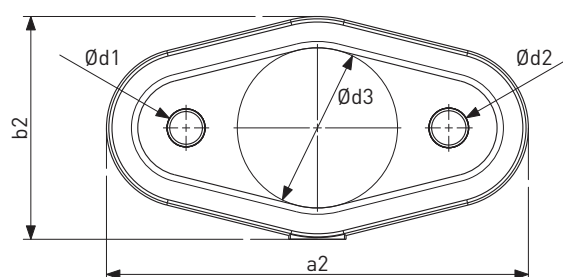
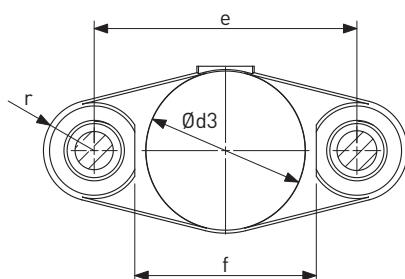
Ordering Code: CD/ $\varnothing d3$ /1 or 2 or 3 or 4

Ordering Code Example: CD/125

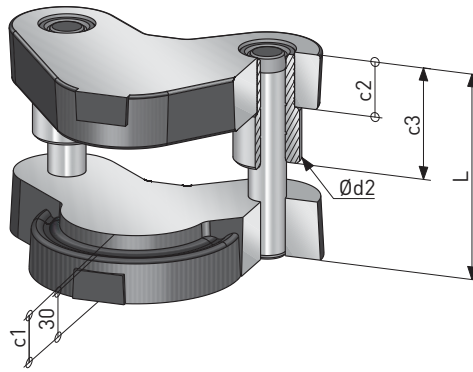
Material: Cast Iron

Hardness: 160-200 HB

Model	a2	b2	c1 $\pm$ 2	c2 $\pm$ 2	c3+2	$\varnothing d1$	$\varnothing d2$	$\varnothing d3$	e	L	r	f
CD/100	265	140	40	38	75	24	25	100	165	140	30	110
CD/125	290	165	50	40	90	30	32	125	190	180	37	135
CD/160	354	200						160	240			170
CD/180	380	226						180	260			190
CD/200	400	246						200	280			215
CD/250	466	300	55	45	100	38	40	250	336	220	40	265



Rectangular Die sets Shape
CG Cast Iron-Rear Pillars
 کفشک سطح کار گرد مدل
 راهنما عقب



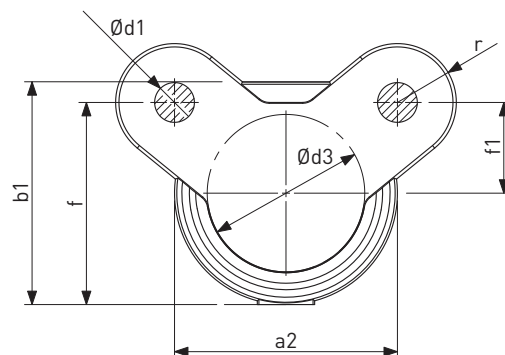
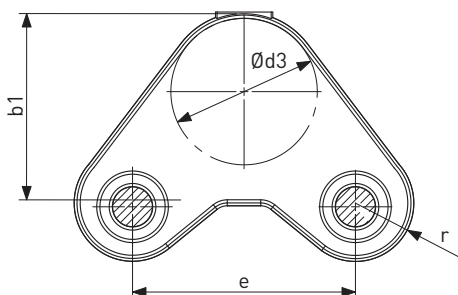
Ordering Code: CG/ $\varnothing d3$ /1 or 2 or 3 or 4

Ordering Code Example: CG/100/1

Material: Cast Iron

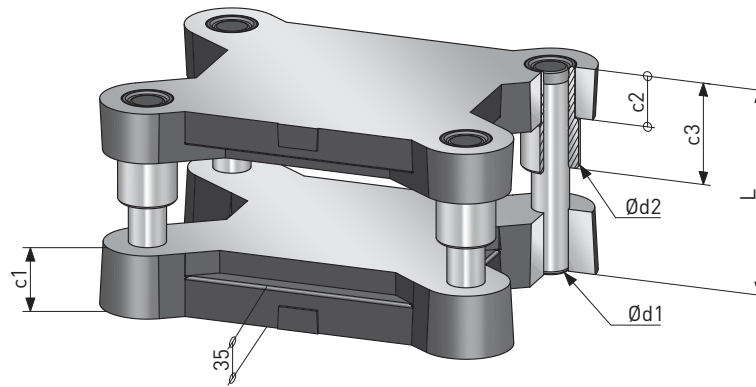
Hardness: 160-200 HB

Model	a2	b1	b3	c1±2	c2±2	c3+2	Ød1	Ød2	Ød3	e	f	f1	L	r
CG/100	140	140	120	40	38	75	25	42	100	140	127	57	140	37
CG/125	166	166	145						125	157	146	63		
CG/160	200	200	180	50	45	90	32	50	160	200	185	85	180	42
CG/180	230	230	205	55	50	100	40	60	180	230	205	90	220	48
CG/200	250	250	225						200	250	220	95		50
CG/250	300	300	275						250	300	270	120		



Rectangular Die sets Shape CH Cast Iron-Four Pillars

کفشک سطح کار مستطیل مدل CH
چهارراه نما



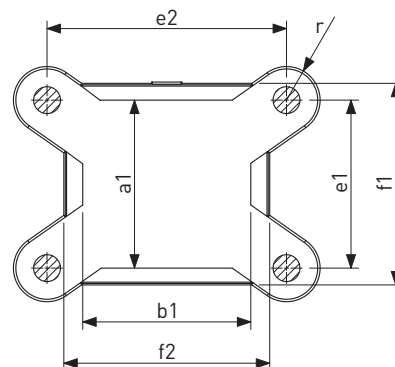
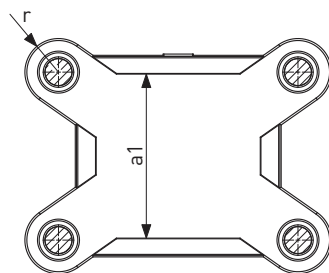
Ordering Code: CH/a1*b1/1 or 2 or 3 or 4

Ordering Code Example: CH/200*200/1

Material: Cast Iron

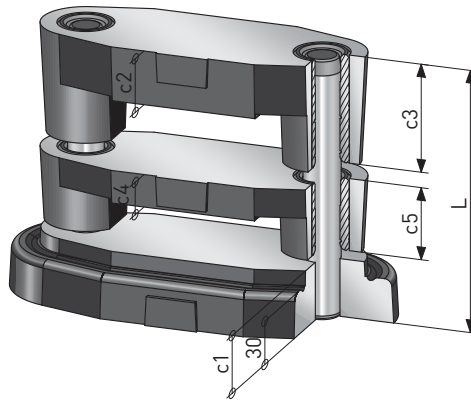
Hardness: 160-200 HB

Model	a1*b1	c1±2	c2±2	c3+2	Ød1	Ød2	e1	e2	f1	f2	L	r
CH/200*200	200*200	55	45	90	32	50	200	285	240	245	180	40
CH/250*160	250*160						250	245	290	205		
CH/250*200	250*200							285		245		
CH/375*160	375*160						375	245	420	205		
CH/250*250	250*250						250	335	290	295		
CH/350*200	350*200	60	50	100	40	60	350	290	400	245	220	43
CH/300*250	300*250						300	340	350	295		
CH/300*300	300*300							390		345		
CH/400*250	400*250	65	55				400	340	460	295	220	45
CH/400*300	400*300							395		345		
CH/350*350	350*350						350	445	400	395		
CH/500*250	500*250						500	345	560	295		
CH/500*300	500*300							395		345		
CH/400*400	400*400			400	495	460	445					
CH/500*400	500*400			500		560						



Rectangular Die sets Shape AB Cast Iron-Center Pillars

کفشک سه صفحه‌ای سطح کار
مستطیل مدل AB - راهنما وسط



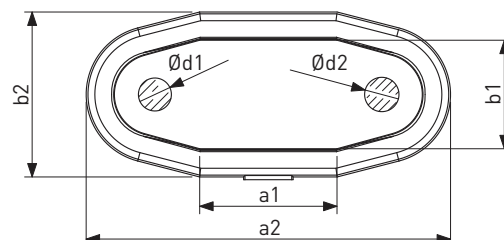
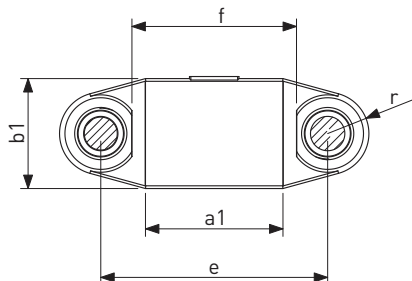
Ordering Code: AB/a1*b1/1 or 2 or 3 or 4

Ordering Code Example: AB/160*100/1

Material: Cast Iron

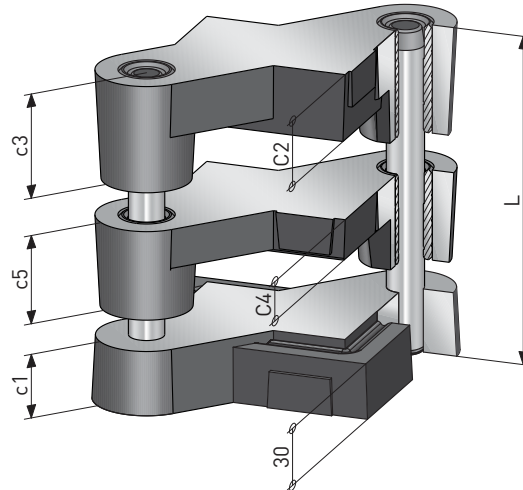
Hardness: 160-200 HB

Model	a1*b1	a2	b2±2	c1±2	c2±2	c3±2	c4±2	c5±2	Ød1	Ød2	e	L	r	f
AB/160*100	160*100	325	140	40	38	60	23	50	24	25	225	180	30	173
AB/160*125	160*125	354	165	50	40		27		30	32	240		37	
AB/200*125	200*125	394	200	55	45	70	32	55	38	40	280	200	40	265
AB/200*160	200*160										220			
AB/250*160	250*160	456												
AB/250*200	250*200	466	250											



Rectangular Die sets Shape AC Cast Iron-Diagonal Pillars

کفشک سه صفحه‌ای سطح کار
مستطیل مدل AC - راهنما قطری



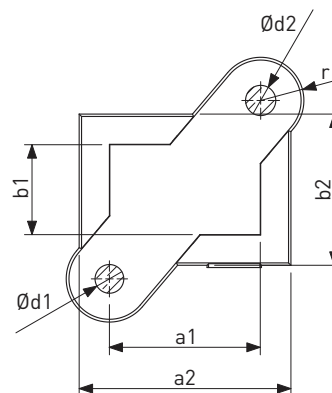
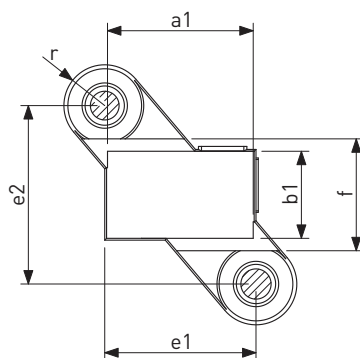
Ordering Code: AC/a1*b1/1 or 2 or 3 or 4

Ordering Code Example: AC/125*100/1

Material: Cast Iron

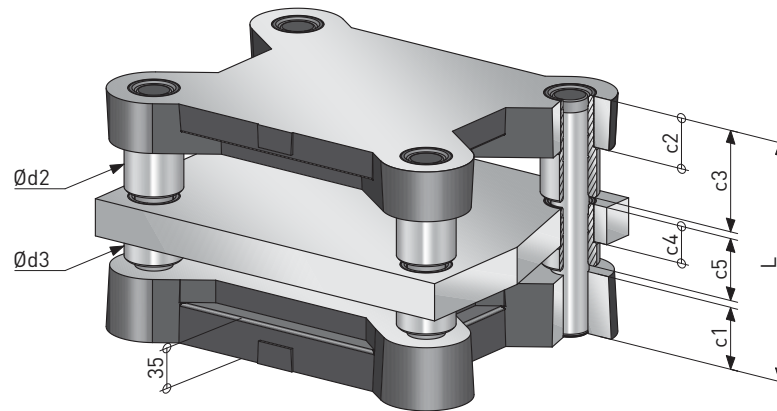
Hardness: 160-200 HB

Model	a1*b1	a2	b2	c1±2	c2±2	c3±2	c4±2	c5±2	Ød1	Ød2	e	e2	L	r	f
AC/125*100	125*100	165	140	40	38	60	23	50	24	25	125	165	180	30	110
AC/160*100	160*100	200									160				
AC/160*125	160*125		165	50	40		27		30	32	200	205		37	138
AC/200*125	200*125	240									200				
AC/250*160	250*160	290	200	55	45	70			38	40	250	246	220	40	174



Rectangular Die sets Shape AH Cast Iron-Four Pillars

کفشک سه صفحه‌ای سطح کار
مستطیل AH - چهار راهنما



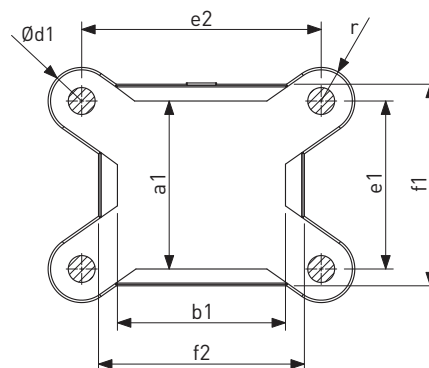
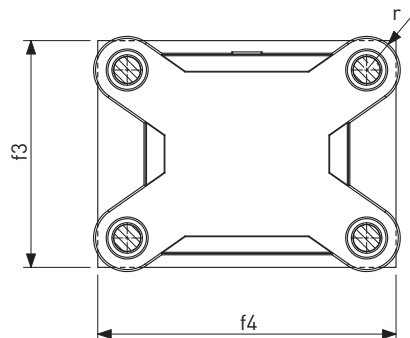
Ordering Code: AH/a1*b1/1 or 2 or 3 or 4

Ordering Code Example: AH/200*200/1

Material: Cast Iron

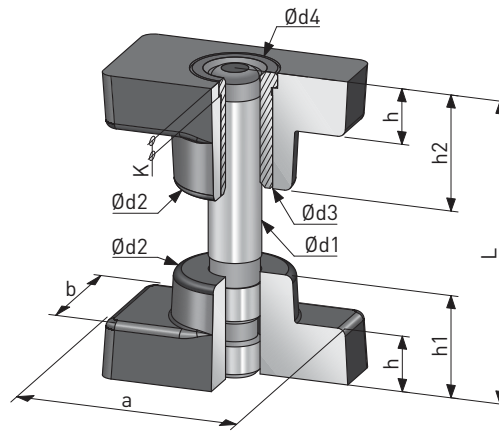
Hardness: 160-200 HB

Model	a1*b1	c1±2	c2±2	c3	c4±2	c5	Ød1	Ød2	Ød3	e1	e2	L	r	f1+5 0	f2+5 0	f3	f4	
AH/200*200	200*200	55	45	90	33	55	32	50	54	200	285	200	40	250	250	355	270	
AH/250*160	250*160									250	245			300	210	315	310	
AH/250*200	250*200										285				250	355	320	
AH/375*160	375*160									375	245				430	210	315	445
AH/250*250	250*250									250	335			300	300	405	320	
AH/350*200	350*200	60	50	100			40	60	65	350	290	220	43	400	250	360	420	
AH/300*250	300*250									300	340			350	300	420	370	
AH/300*300	300*300										390				350	470	380	
AH/400*250	400*250									400	340			470	300	420	480	
AH/400*300	400*300										395				350	480		
AH/350*350	350*350	65	55		38	60				350	445	240	45	420	400	530	430	
AH/500*250	500*250									500	345			570	300	430	580	
AH/500*300	500*300										395				350	480		
AH/400*400	400*400									400	495			470	400	575	480	
AH/500*400	500*400									500				570	450		580	



Rectangular Mounting Flanges for Guide Pillars and Guide Bushes Without Screw Holes

فلانچ چدنی مستطیل شکل (بدون سوراخ)



Ordering Code: FL/Ød*L/1 or 2 or 3 or 4

Ordering Code Example: FL/20*120/1

Material: Cast Iron

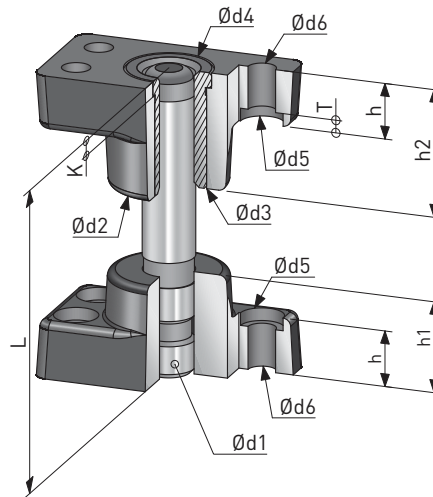
Hardness: 160-200 HB

Model	Ød1	Ød2	Ød3	Ød4	a	b	k	h	h1	h2	L
FL/20	20	50	30	35	90	50	7	22	40	45	120
											150
											180
FL/25	25		35	40							120
											150
											180
FL/30	30	65	44	49	115	65		25	50	56	120
											150
											180
											200
FL/40	40	85	54	59	130	90		30	60	70	150
											180
											200
											220
											250
											300
FL/50	50	96	65	70	160	100		35	65	90	150
											180
											200
											250
											300
FL/60	60	120	75	80	180	120			90	100	200
											220
											250
											280
											300
FL/80	80	140	100	106	225	145	11	40	100	120	220
											250
											280
											300
											350
FL/100	100	180	120	129	270	180			120	150	280
											300
											350
											400

در فلنچ ساچمه‌ای FL/25 از کفی ۳۰ و در فلنچ ساچمه‌ای FL/30 از کفی ۴۰ استفاده می‌شود.

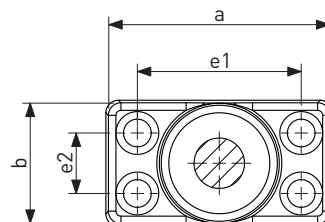
Rectangular Mounting Flanges for Guide Pillars and Guide Bushes With Screw Holes

فلانچ چدنی مستطیل شکل (با سوراخ)



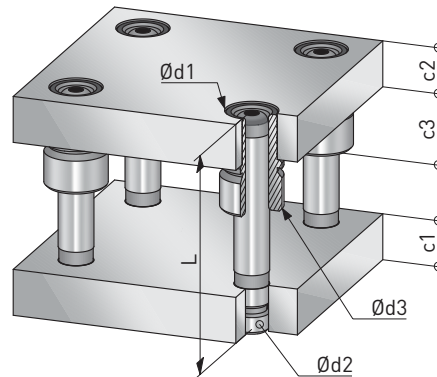
Ordering Code: FL1/Ød*L/1 or 2 or 3 or 4								Ordering Code Example: FL1/20*120/1			Material: Cast Iron		Hardness: 160-200 HB			
Model	Ød1	Ød2	Ød3	Ød4	Ød5	Ød6	T	a	b	k	h	h1	h2	e1	e2	L
FL1/20	20	50	30	35	17	11	5	90	50	7	22	40	45	65	24	120
																150
																180
																120
FL1/25	25	50	35	40	17	11	5	90	50	7	22	40	45	65	24	150
																180
																120
																150
FL1/30	30	65	44	49	17	11	5	115	65	7	25	50	56	85	35	180
																120
																150
																180
FL1/40	40	85	54	59	17	11	5	130	90	7	30	60	70	98	48	200
																150
																180
																200
FL1/50	50	96	65	70	19	13	6	160	100	7	35	65	90	120	55	220
																250
																300
																150
FL1/60	60	120	75	80	19	13	6	180	120	7	35	65	90	120	55	180
																200
																250
																300
FL1/80	80	140	100	106	22	15	8	225	145	11	40	100	120	175	100	200
																220
																250
																280
FL1/100	100	180	120	129	22	15	8	270	180	11	40	100	120	175	100	300
																350
																280
																300

در فلنچ ساچمه‌ای FL/25 از کفی ۳۰ و در فلنچ ساچمه‌ای FL/30 از کفی ۴۰ استفاده می‌شود



Standard All - Steel Die sets Without Stripper

کفشک فولادی دو صفحه ای

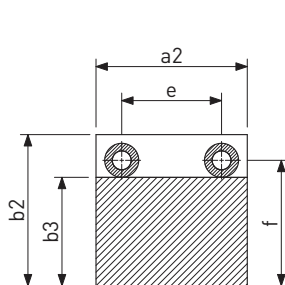


Ordering Code: SA or SB or SC or SH/a2*b2/1 or 2 or 3 or 4

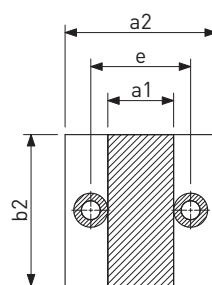
Ordering Code Example: SA/200*100/1

Material: St 37 or St 52

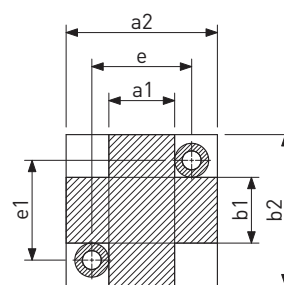
Model (a2*b2)	a1*b2	a2*b1	a2*b3	c1±2	c2±2	c3	Ød1	Ød2	Ød3	L	e	e1	e2	f
200*100	87*100	-	200*43	34	34	38	38	25	45	160	132	-	-	66
200*200	87*200	200*87	200*143									132	137	166
250*160	137*160	250*47	250*103								182	92	97	126
250*200	137*200	250*87	250*143									132	137	166
250*250	120*250	250*120	250*185	38	38	44	45	32	54	180	174	174	179	212
315*200	185*200	315*70	315*135								239	124	129	162
315*250	185*250	315*120	315*185									174	179	212
315*315	185*315	315*185	315*250									239	244	277
400*200	270*200	400*70	400*135								324	124	129	162
400*250	270*250	400*120	400*185									174	179	212
400*315	270*315	400*185	400*250									239	244	277
400*400	270*400	400*270	400*335									324	329	362
500*200	370*200	500*70	500*135								424	124	129	162
500*250	347*250	500*97	500*173	43	43	49	58	40	65	200	412	162	167	206
500*315	347*315	500*162	500*238									227	232	271
500*400	347*400	500*247	500*323									312	317	356
500*500	318*500	500*318	500*409	48	48	54	70	50	80	220	398	398	403	449
630*200	477*200	630*47	630*123	43	43	49	58	40	65	200	542	112	117	156
630*250	477*250	630*97	630*173									162	167	206
630*315	477*315	630*162	630*238									227	232	271
630*400	448*400	630*218	630*309	48	48	54	70	50	80	220	528	298	303	349
630*500	448*500	630*318	630*409									398	403	449
710*315	528*315	710*133	710*224								608	213	218	264
710*400	528*400	710*218	710*309									298	303	349
710*500	528*500	710*318	710*409									398	403	449
710*710	506*710	710*506	710*608	57	57		80	60	90	280	596	596	601	653
800*315	618*315	800*133	800*224	48	48		70	50	80	220	698	213	218	264
800*400	618*400	800*218	800*309									298	303	349
800*500	618*500	800*318	800*409									398	403	449
800*630	618*630	800*448	800*539									528	533	579
800*710	596*710	500*506	800*608	57	57		80	60	90	280	686	596	601	653
800*800	596*800	800*596	800*698									686	691	698
900*400	696*400	900*196	900*298								786	286	291	298
900*500	696*500	900*296	900*398									386	391	443
900*630	696*630	900*426	900*528									516	521	573
900*710	696*710	900*506	900*608									596	601	653
900*800	696*800	900*596	900*698									686	691	743
1000*500	796*500	1000*296	1000*398								886	386	491	443
1000*630	796*630	1000*426	1000*528									516	521	573
1000*710	796*710	1000*506	1000*608									596	601	653



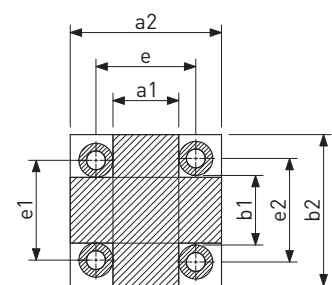
SA



SB



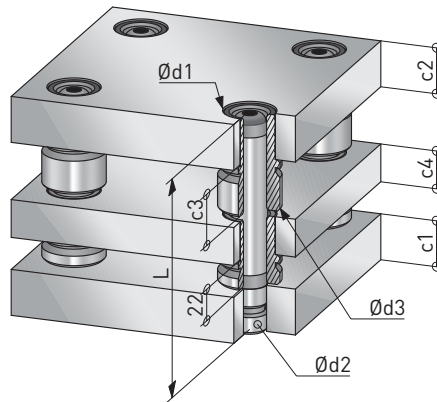
SC



SH

Standard All - Die sets With Stripper

کفشک فولادی سه صفحه‌ای

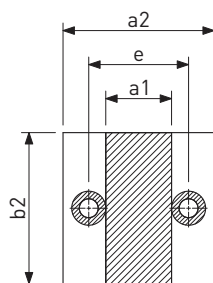


Ordering Code: ASB or ASC or ASH/a2*b2/1 or 2 or 3 or 4

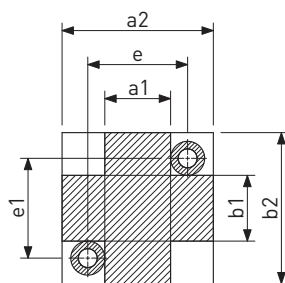
Ordering Code Example: ASH/200*100/1

Material: St 37 or St 52

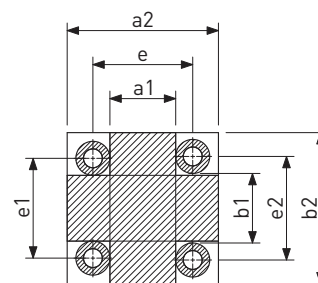
Model (a2*b2)	a1*b2	a2*b1	c1±2	c2±2	c3	c4	Ød1	Ød2	Ød3	L	e	e1	e2
200*100	87*100	-	34	34	38	28	38	25	45	160	132	-	-
200*200	87*200	200*87									182	132	137
250*160	137*160	250*47									182	92	97
250*200	137*200	250*87									182	132	137
250*250	120*250	250*120	38	38	44	33	45	32	54	180	174	174	179
315*200	185*200	315*70									239	124	129
315*250	185*250	315*120									239	174	179
315*315	185*315	315*185									239	239	244
400*200	270*200	400*70	43	43	49	58	40	65	200	180	324	124	129
400*250	270*250	400*120									324	174	179
400*315	270*315	400*185									324	239	244
400*400	270*400	400*270									324	324	329
500*200	370*200	500*70	48	48	54	70	50	80	220	200	424	124	129
500*250	347*250	500*97									412	162	167
500*315	347*315	500*162									412	227	232
500*400	347*400	500*247									412	312	317
500*500	318*500	500*318	48	48	54	70	50	80	220	200	398	398	403
630*200	477*200	630*47									542	112	117
630*250	477*250	630*97									542	162	167
630*315	477*315	630*162									542	227	232
630*400	448*400	630*218	48	48	54	70	50	80	220	200	528	298	303
630*500	448*500	630*318									528	398	403
710*315	528*315	710*133									608	213	218
710*400	528*400	710*218									608	298	303
710*500	528*500	710*318	57	57	57	80	60	90	280	200	596	398	403
710*710	506*710	710*506									596	596	601
800*315	618*315	800*133									698	213	218
800*400	618*400	800*218									698	298	303
800*500	618*500	800*318	57	57	57	80	60	90	280	200	528	398	403
800*630	618*630	800*448									528	528	533
800*710	596*710	500*506									686	596	601
800*800	596*800	800*596									686	686	691
900*400	696*400	900*196	57	57	57	80	60	90	280	200	786	286	291
900*500	696*500	900*296									786	386	391
900*630	696*630	900*426									786	516	521
900*710	696*710	900*506									786	596	601
900*800	696*800	900*596	886	886	886	886	886	886	886	886	886	686	691
1000*500	796*500	1000*296									886	386	403
1000*630	796*630	1000*426									886	516	521
1000*710	796*710	1000*506									886	596	601



ASB



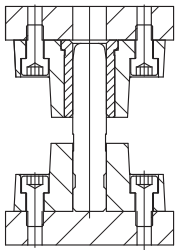
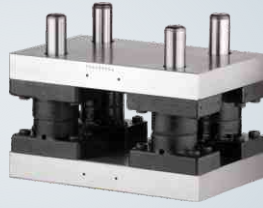
ASC



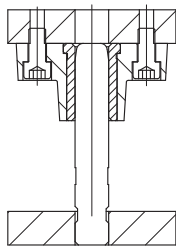
ASH

Steel Die sets With Cast Iron Flanges

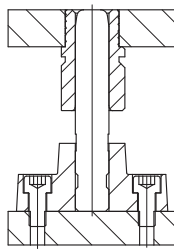
کفشک فولادی مجهز به فلانچ چدنی



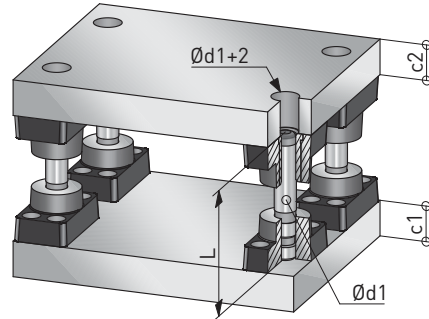
FL



FP



FB



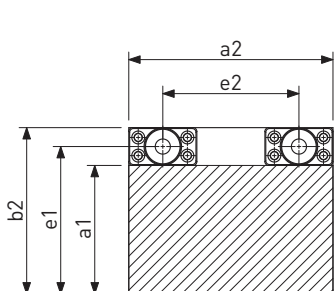
Ordering Code: FSA or FSB or FSC or FSH/a2*b2/FL or FP or Fb1 or 2 or 3 or 4

Ordering Code Example: FSA/200*100/1

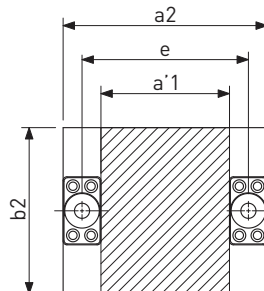
Material: St 37 or St 52

Model [a2*b2]	a1*b2	a,1*b2	c1±2	c2±2	Ød1	L	e	e1	e2	e3	e4	
200*100	50*200	100*100	34	34	25	150	150	75	110	10	5	
200*200	150*200	100*200						175		110	105	
250*160	110*250	150*160					200	135	160	70	65	
250*200	150*200	150*200	175	110	105							
250*250	185*250	120*250	38	38	30	180	185	217.5	135	135	130	
315*200	135*315	185*200					250	167.5	200	85	80	
315*250	185*315	185*250						217.5		135	130	
315*315	250*315	185*315	43	43	40	200	282.5	285	200	195		
400*200	135*400	270*200					167.5		85	80		
400*250	185*400	270*250					217.5		135	130		
400*315	250*400	270*315					282.5		200	195		
400*400	335*400	270*400					367.5		285	280		
500*200	135*500	370*200					435		167.5	385	85	80
500*250	160*500	220*250	43	43	40	200	410	205	370	120	115	
500*315	225*500	220*315					270	185	180			
500*400	310*500	220*400					355	270	265			
500*500	400*500	300*500	48	48	50	200	400	450	340	340	335	
630*200	110*630	450*200	43	43	40	200	540	155	500	70	65	
630*250	160*630	450*250					205	120		115		
630*315	225*630	450*315					270	185		180		
630*400	300*630	430*400	48	48	50	220	530	350	470	240	235	
630*500	400*630	430*500					450	340	335			
710*315	215*710	510*315					610	265	550	155	150	
710*400	300*710	510*400	350	240	235							
710*500	400*500	510*500	450	340	335							
710*710	590*710	470*710	57	57	60	280	590	650	530	530	525	
800*315	215*800	600*315	48	48	50	220	700	265	640	155	150	
800*400	300*800	600*400					350	240		235		
800*500	400*800	600*500					450	340		335		
800*630	530*800	600*630	57	57	60	280	680	580	620	470	465	
800*710	590*800	560*710						650		530	525	
800*800	680*800	560*800					740	620		615		
900*400	280*900	660*400					780	340		720	220	215
900*500	380*900	660*500						440			320	315
900*630	510*900	660*630					880	570		820	450	445
900*710	590*900	660*710	650	530	525							
900*800	680*900	660*800	740	620	615							
1000*500	380*1000	760*500	440	320	315							
1000*630	510*1000	760*630	880	570	820	450	445					
1000*710	590*1000	760*710		650		530	525					

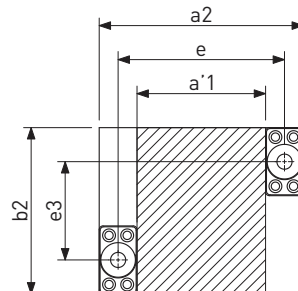
در فلنچ ساچمه‌ای FL/25 از کفی ۳۰ و در فلنچ ساچمه‌ای FL/30 از کفی ۴۰ استفاده می‌شود



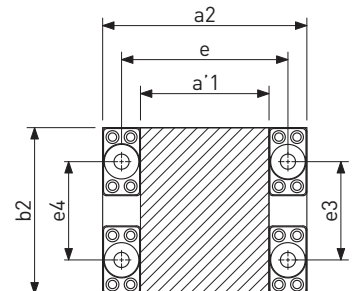
FSA



FSB



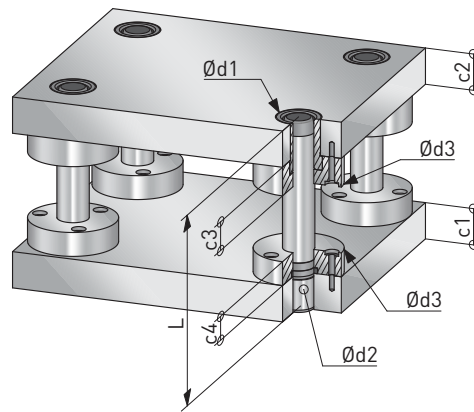
FSC



FSH

Special Steel Die set, Equipped With Steel Flange

کفشک فولادی خاص
مجهز به فلانچ فولادی

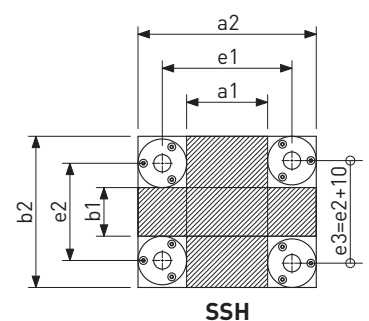
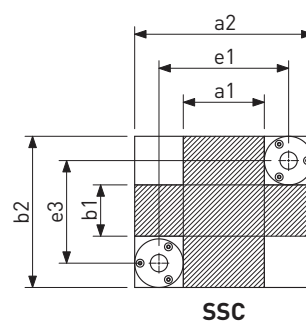
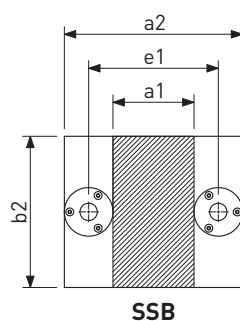
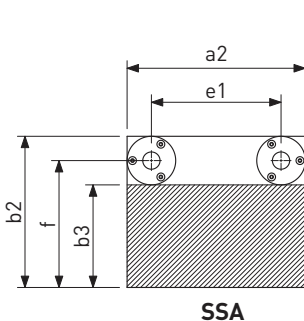


Ordering Code: SSA or SSB or SSC or SSH/a2*b2/1 or 2 or 3 or 4

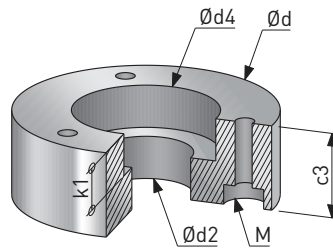
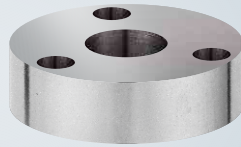
Ordering Code Example: SSA/400*200/1

Material: St 37 or St 52

Model (a2*b2)	a2*b1	a2*b3	a1*b2	c1±2	c2±2	c3	c4	Ød1	Ød2	Ød3	L	e1	e2	e3	f										
250*250	250*70	250*70	70*250	38	38	30	25	45	32	90	180	160	160	170	205										
315*200	315*20	315*110	135*200									225	110	120	155										
315*250	315*70	315*160	135*250										160	170	205										
315*315	315*135	315*225	135*315										225	235	270										
400*200	400*20	400*110	220*200										310	110	120	155									
400*250	400*70	400*160	220*250											160	170	205									
400*315	400*135	400*225	220*315											225	235	270									
400*400	400*220	400*310	220*400									310		320	355										
500*200	500*20	500*110	320*200	43	43	35	30	58	40	100	200	410	110	120	155										
500*250	500*50	500*150	300*250									400	150	160	200										
500*315	500*115	500*215	300*315										215	225	265										
500*400	500*200	500*300	500*400										300	310	350										
500*500	500*280	500*390	280*500										48	48	70	50	110	220	390	390	400	445			
630*200	-	630*100	430*200										43	43	58	40	100	200	530	-	-	150			
630*250	630*50	630*150	430*250																	150	160	200			
630*315	630*115	630*215	430*315									215								225	265				
630*400	630*180	630*290	410*400	48	48	70	50	110	220	520	290	300								345					
630*500	630*280	630*390	410*500								390	400	445												
710*315	710*95	710*205	490*315								600	205	215	260											
710*400	710*180	710*290	490*400									290	300	345											
710*500	710*280	710*390	490*500							390		400	445												
710*710	710*460	710*590	470*710							57		57	60	590	580	590	650								
800*315	800*85	800*205	580*315							48	48	57	57	40	35	100	60	120	280	680	195	205	260		
800*400	800*170	800*290	580*400																		290	300	345		
800*500	800*270	800*390	580*500	390	400	445																			
800*630	800*400	800*520	580*630	510	520	575																			
800*710	800*460	800*590	560*710	57	57	40	35	100	60											120	280	780	580	590	650
800*800	800*550	800*680	560*800																				670	680	740
900*400	900*150	900*280	660*400							270	280	340													
900*500	900*250	900*380	660*500							370	380	440													
900*630	900*380	900*510	660*630							500	510	570													
900*710	900*460	900*590	660*710							580	590	650													
900*800	900*550	900*380	660*800	880	880	1000	1000	500	500	510	570	670	680	740											
1000*500	1000*250	1000*380	760*500									370	380	440											
1000*630	1000*380	1000*510	760*630									500	510	570											
1000*710	1000*460	1000*590	760*710									580	590	650											

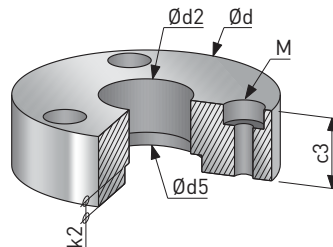


Steel Flange فلانچ فولادی



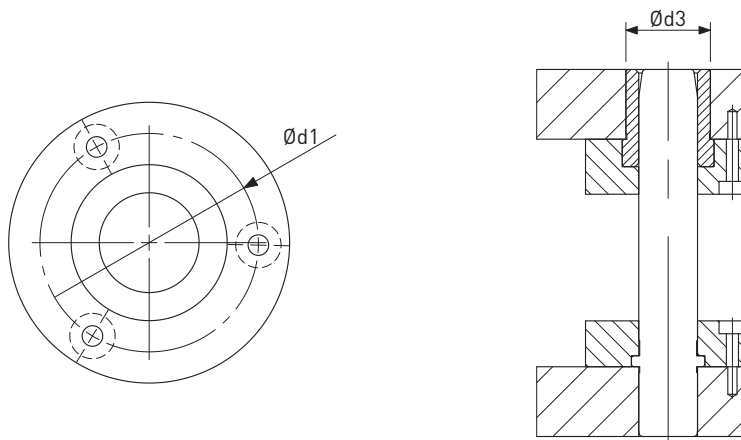
Material: St 37

Model	Ød	Ød1	Ød2	Ød3	Ød4	c3	k1	M
GB/NF/32	90	70	32	46	50	30	15	6
GB/NF/40	100	79	40	54	58	35	20	6
GB/NF/50	110	89.5	50	65	69	40		
GB/NF/60	120	99.5	60	75	79			



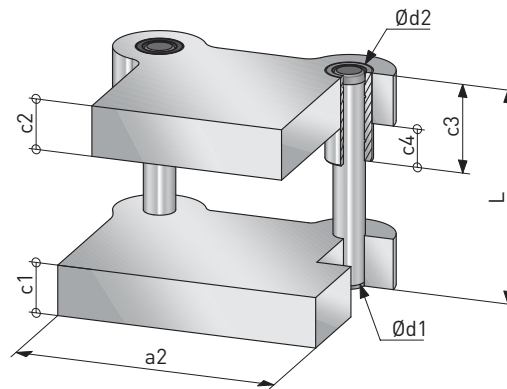
Material: St 37

Model	Ød	Ød1	Ød2	Ød5	c3	k2	M
GP/NF/32	90	70	32	40	25	6	6
GP/NF/40	100	79	40	50	30		
GP/NF/50	110	89.5	50	63			
GP/NF/60	120	99.5	60	80	35		



Steel Die set CA1 Model

کفشک فولادی مدل چدنی (اقتصادی)

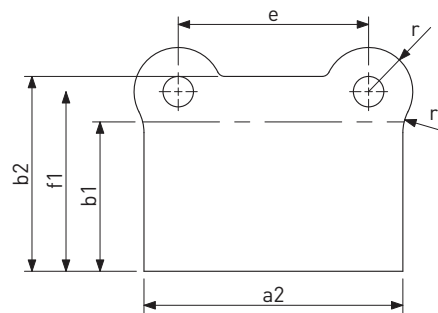
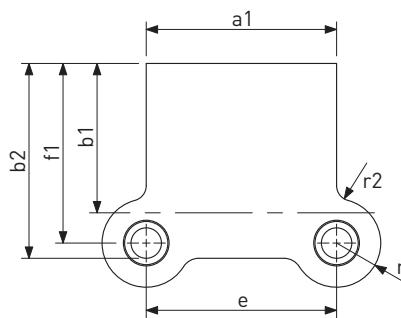


Ordering Code: CA/St/a1*b1/ 1 or 2 or 3 or 4

Ordering Code Example: CA/St/200*100/1

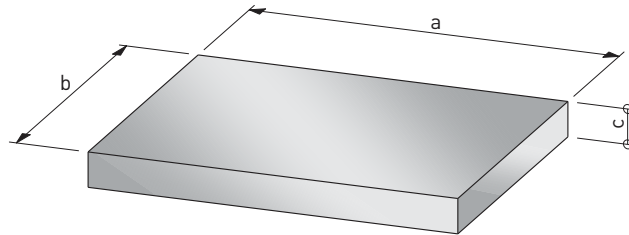
Material: St 37

Model (a2*b2)	a1*b1	a2	b2	c1	c2	c3	c4	Ød1	Ød2	L	e	f1	r	r1	r2
CA/ST/100*80	100*80	145	113	24	24	60	25	20	30	120	100	98	29	20	15
CA/ST/125*100	125*100	170	128	33	33		34			140	125	118		30	
CA/ST/150*100	150*100	200	133			68	35	24	38	160	150	123	35		20
CA/ST/160*125	160*125	210	175								160	165			
CA/ST/200*125	200*125	250	163								200	148			
CA/ST/200*160	200*160		198			70		32	44	200		183			
CA/ST/250*125	250*125	305	175	38	38	80	37				250	165	37	35	25
CA/ST/250*160	250*160		215				32					205			
CA/ST/250*200	250*200		260									250			



Steel Plates

صفحه فولادی



Ordering Code: CA/St/a1*b1/ 1 or 2 or 3 or 4

Ordering Code Example: CA/St/200*100/1

Material: St 37

Z (a*b)	c±2				
	34	38	43	48	57
200*100	●				
200*200	●				
250*160	●				
250*200	●				
250*250		●			
315*200		●			
315*250		●			
315*315		●			
400*200		●			
400*250		●			
400*315		●			
400*400		●			
500*200		●			
500*250			●		
500*315			●		
500*400			●		
500*500				●	
630*200			●		
630*250			●		
630*315			●		

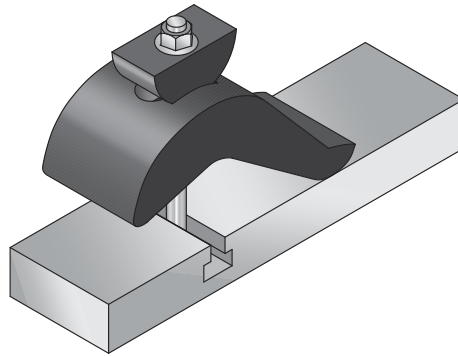
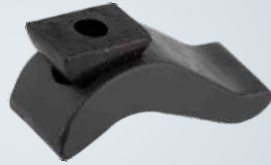
Z (a*b)	c±2				
	34	38	43	48	57
630*400				●	
630*500				●	
710*315				●	
710*400				●	
710*500				●	
710*710					●
800*315				●	
800*400				●	
800*500				●	
800*630				●	
800*710					●
800*800					●
900*400					●
900*500					●
900*630					●
900*710					●
900*800					●
1000*500					●
1000*630					●
1000*710					●

CLAMPS



Clamp

کلمپ

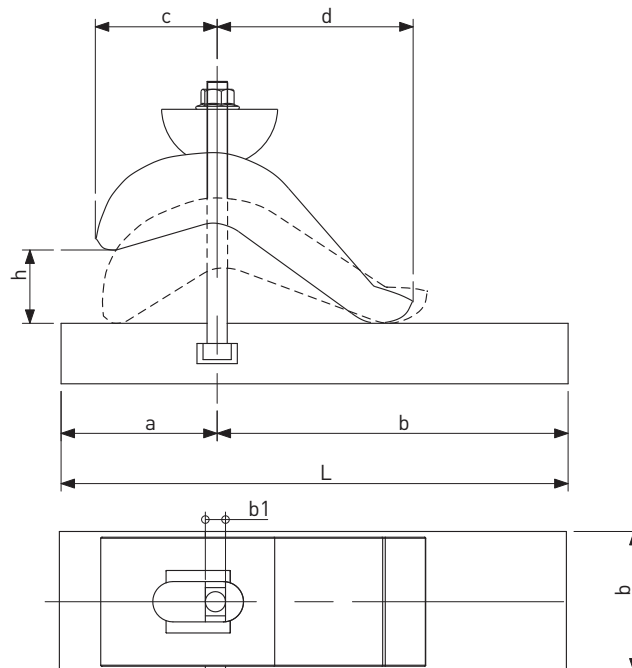


Ordering Code: U.P/L*P

Ordering Code Example: U.P/140*50

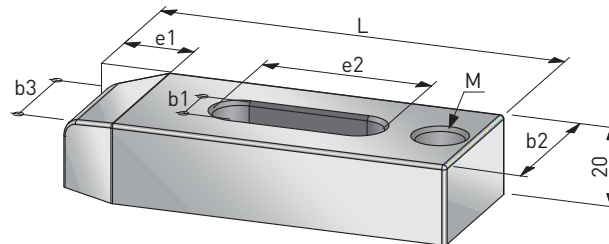
Material: GGG 60

Model	b1	b	c	d	h	L
U.P/140*50	17	50	55	60	75	140
U.P/175*60	21	60	70	80	85	175



CLAMP

کلمپ



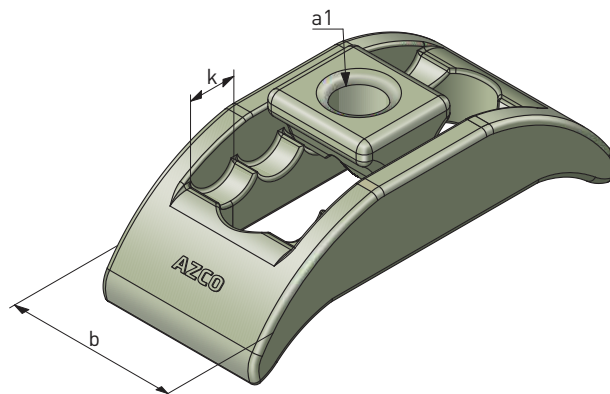
Ordering Code: F.CL/b1

Ordering Code Example: F.CL/14

Material: GGG 60

Model	L	b1	b2	b3	a	e1	e2	M
F/CL/14	100	14	40	18	20	21	40	14
F/CL/18	125	18	50	22	25	26	45	16
F/CL/22	160	22	60	26	30	30	60	20
F/CL/26	200	26	70	30	45	35	80	24
F/CL/28	247	29	80	45		62	100	

Clamp, Infinitely Variable (فولادی) روبند قابل تنظیم ارتفاع

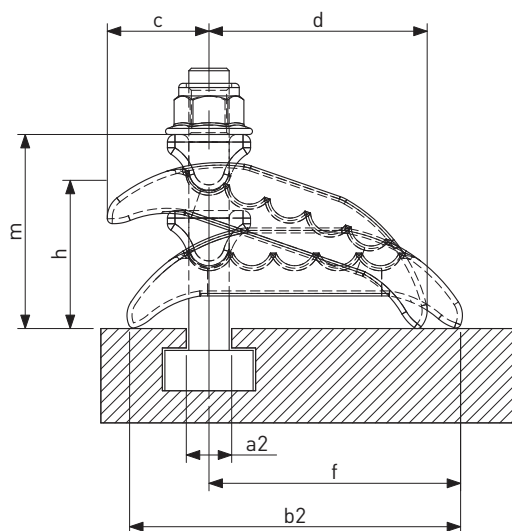


Ordering Code: G.CL/b1/a2

Ordering Code Example: G.CL/38/13

Material: Forged & Heat-Treated Steel

Model	h	a1	a2	b1	b2	c	d	f	k	m	M
G/CL/38/13	0-35	12,14	13	88	38	28	48	68	14	52	12
G/CL/56/18	0-55	16,18	18	130	56	38	101	101	18	80	16
G/CL/66/22	0-65	20,22	22	140	66	46	112	112	20	98	20
G/CL/76/26	0-75	24,28	26	174	76	52	135	135	24	110	24
G/CL/90/32	0-80	36	32	200	90	61	156	156	28	118	30

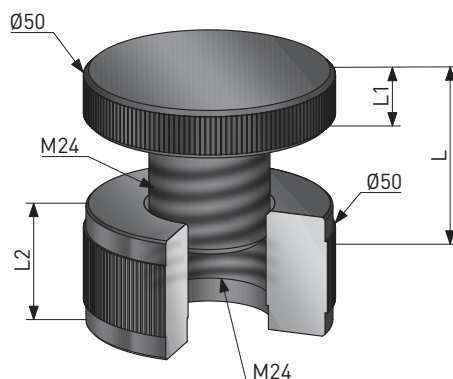


ArasZanjan



Support, Adjustable

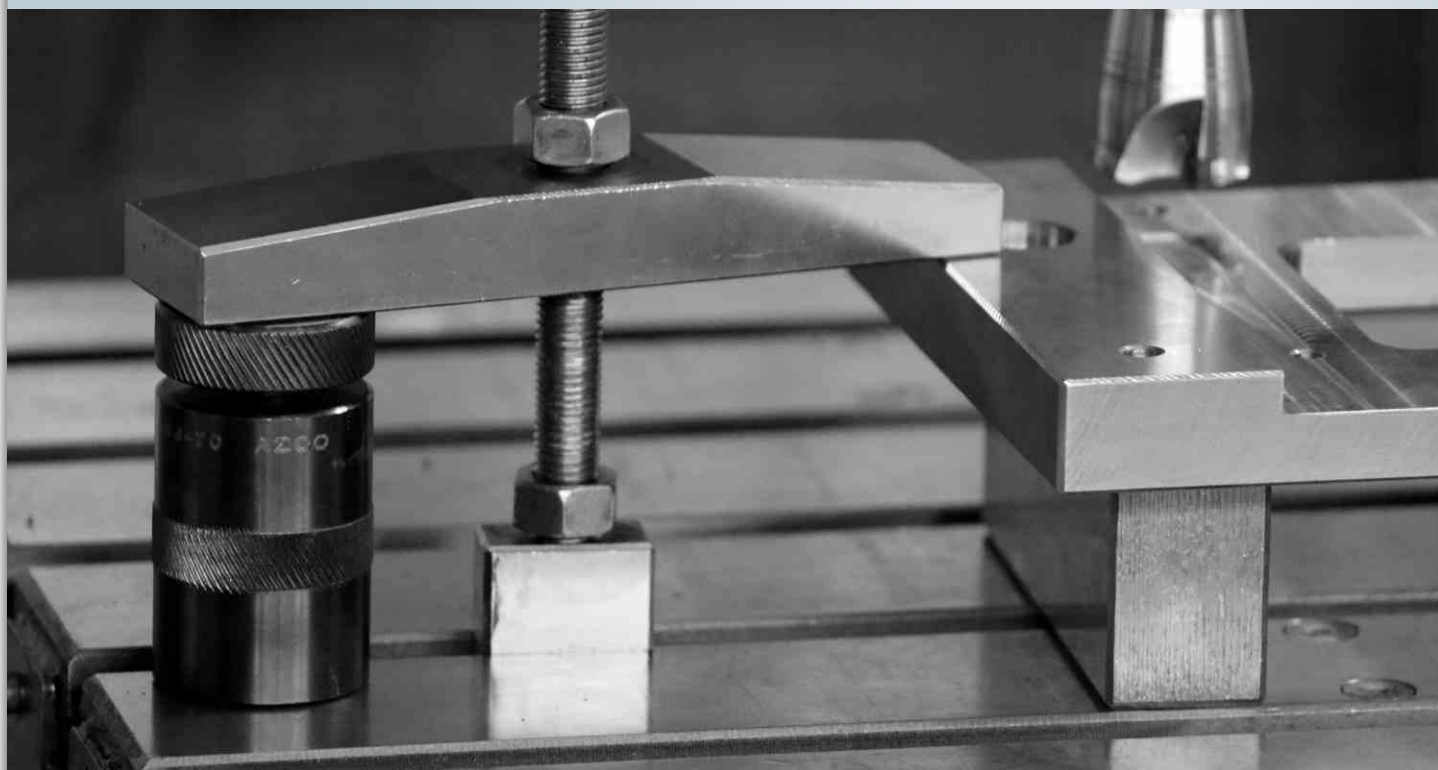
زیر سری



Ordering Code: Sj/L2

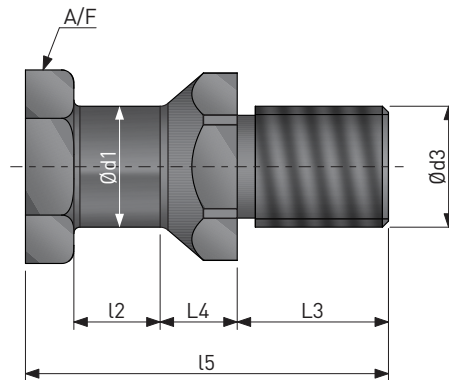
Ordering Code Example: Sj/L25

Model	L	L1	L2
Sj/25	35	10	25
Sj/50	65	16	50
Sj/70			70



Screw-in Lifter Studs

بارگیر پیچی



Ordering Code: S/LS

Material: St 37

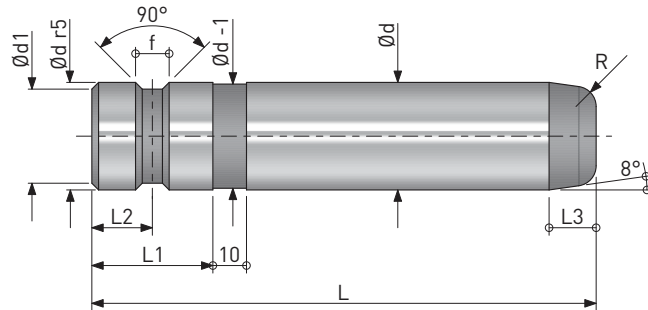
Model	Ød	Ød3	l2	l3	l4	l5	A/F	Lifting Capacity(kg)
S/LS	20	M20	14	25	13	60	32	500

GUIDE PILLARS & BUSHES



Guide Pillar S Model

میل راهنمای مدل S

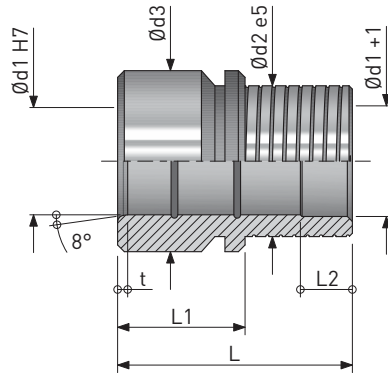


Ordering Code: GP/S/Ød*L Ordering Code Example: GP/S/20*100 Material: 1.2067, 1.8159 Deep Hardness: 60 + 3 HRC Hardness Penetration Depth: 1 - 1.5 mm

Model	Ød	Ød1	L	L1	L2	L3	f	R
GP/S/20*100	20	16	100	30	15	10	6	4
GP/S/20*120			120					
GP/S/20*140			140					
GP/S/25*120	25	21	120	32	16	11	8	4.5
GP/S/25*140			140					
GP/S/25*160			160					
GP/S/32*140	32	28	140	36	18	12	10	5
GP/S/32*160			160					
GP/S/32*180			180					
GP/S/40*180	40	36	180	41	20.5	13	12	5.5
GP/S/40*200			200					
GP/S/40*220			220					
GP/S/50*160	50	45	160	46	23	14	10	6
GP/S/50*200			200					
GP/S/50*250			250					
GP/S/60*200	60	55	200	90	45	15	12	6.5
GP/S/60*250			250					
GP/S/60*300			300					
GP/S/80*250	80	75	250	120	60	16	12	7
GP/S/80*300			300					
GP/S/80*350			350					
GP/S/100*300	100	95	300	150	75	17	12	8
GP/S/100*350			350					
GP/S/100*400			400					

Guide Bush S & S/2 Model

بوش راهنمای مدل S و S/2



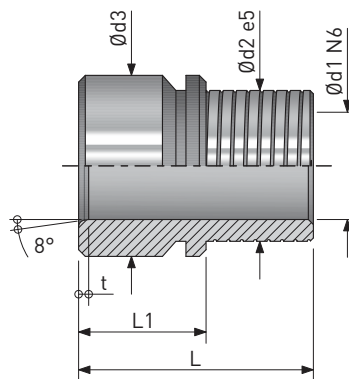
Ordering Code: GB/S/Ød1*L

Ordering Code Example: GB/S/25*48

Material: 1.2210, 1.7176

Hardness: 60 + 3 HRC

Model	Ød1	Ød2	Ød3	L	L1	L2	L3	L4	t
GB/S/25*48	25	38	45	48	22	-	22	-	3
GB/S/25*70				70	38	15	33	51	
GB/S/32*53	32	45	54	53	22	-	26	-	4
GB/S/32*80				80	44	20	38	56	
GB/S/40*53	40	58	65	53	22	-	26	-	4
GB/S/40*90				90	49	20	40	62	
GB/S/50*58	50	70	80	58	22	-	28	-	5
GB/S/50*100				100	54	20	44	68	



Ordering Code: GB/S/Ød1*L/2

Ordering Code Example: GB/S/31*70/2

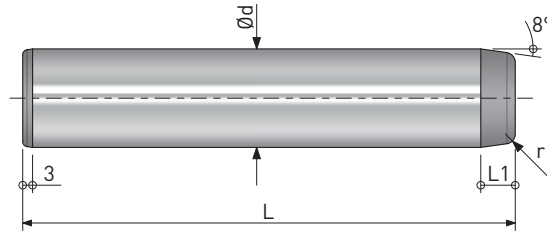
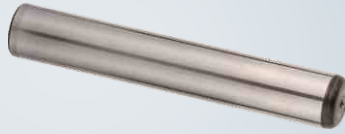
Material: 1.2067, 1.2007

Hardness: 62 ± 2 HRC

Model	Ød1	Ød2	Ød3	L	L1	t
GB/S/31*70/2	31	38	45	70	38	3
GB/S/40*80/2	40	52	60	80	44	4
GB/S/48*90/2	48	62	70	90	49	
GB/S/58*100/2	58	70	80	100	54	5

Guide Pillar S2 Model

میل راهنمای مدل S2



Ordering Code: GP/S2/ $\varnothing d$ *L

Ordering Code Example: GP/S2/19*120

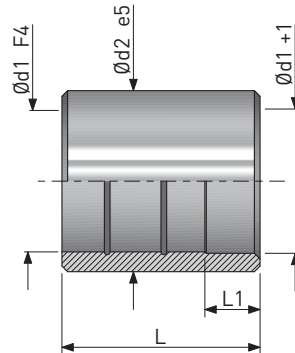
Material: 1.2067, 1.8159

Surface Hardness: 60 + 3 HRC

Model	$\varnothing d$	Model	$\varnothing d$	L	L1	r
GP/S2/19*120	19	GP/S2/20*120	20	120	10.5	4
GP/S2/19*140		GP/S2/20*140		140		
GP/S2/19*160		GP/S2/20*160		160		
GP/S2/19*180		GP/S2/20*180		180		
GP/S2/24*140	24	GP/S2/25*140	25	140	11	4.5
GP/S2/24*160		GP/S2/25*160		160		
GP/S2/24*180		GP/S2/25*180		180		
GP/S2/24*200		GP/S2/25*200		200		
GP/S2/30*180	30	GP/S2/32*180	32	180	12	5
GP/S2/30*200		GP/S2/32*200		200		
GP/S2/30*220		GP/S2/32*220		220		
GP/S2/38*180	38	GP/S2/40*180	40	180	13	5.5
GP/S2/38*200		GP/S2/40*200		200		
GP/S2/38*220		GP/S2/40*220		220		
-	-	GP/S2/50*220	50	220		6

Guide Bush SF Model

بوش راهنمای مدل SF



Ordering Code: GB/SF/ $\varnothing d1$ *L

Ordering Code Example: GB/SF/20*60

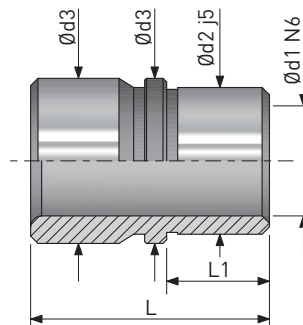
Material: 1.2210, 1.7176

Hardness: 58 + 2 HRC

Model	$\varnothing d1$	$\varnothing d2$	L	L1
GB/SF/20*60	20	30	60	15
GB/SF/24*68	24	38	68	
GB/SF/32*70	32	44	70	
GB/SF/32*80	32	44	80	

Bush Ball Bearing S2 Model

بوش راهنمای مدل S2

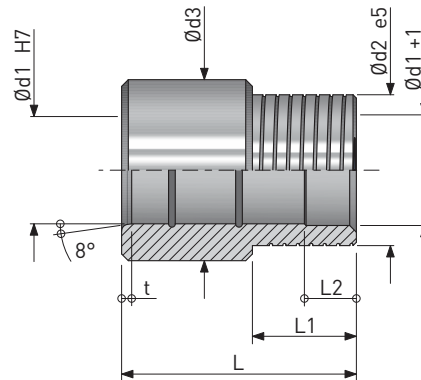


Ordering Code: GB/S2/ $\varnothing d1$ *L Ordering Code Example: GB/S2/25*65 Material: 1.2067, 1.2007 Hardness Penetration: 1.5+1 mm Surface Hardness in 60 + 3 HRC

Model	$\varnothing d1$	$\varnothing d2$	$\varnothing d3$	L	L1
GB/S2/25*65	25	35	40	65	28
GB/S2/26*65	26				
GB/S2/30*70	30	40	45	70	34
GB/S2/31*70	31				
GB/S2/38*80	38	50	58	80	36
GB/S2/40*80	40				
GB/S2/46*80	46	60	68		40
GB/S2/48*80	48				
GB/S2/58*100	58	70	80	100	46

Guide Bush G Model

بوش راهنمای مدل G



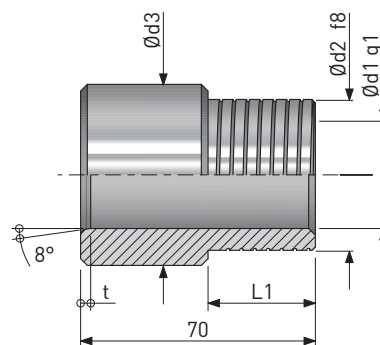
Ordering Code: GB/G/Ød1*L

Ordering Code Example: GB/G/20*60

Material: 1.2210, 1.7176

Hardness: 60 + 3 HRC

Model	Ød1	Ød2	Ød3	L	L1	L2	t
GB/G/20*60	20	30	35	60	30	15	3
GB/G/25*75	25	38	45	75	36	20	4
GB/G/32*90	32	44	50	90	43		
					48		
GB/G/40*100	40	54	60	100	53		



Ordering Code: GB/G/Ød1*L/2

Ordering Code Example: GB/G/26*60/2

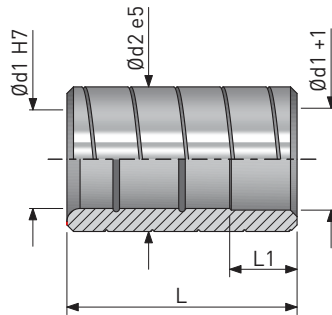
Material: 1.2067, 1.2007

Hardness: 62 ± 2 HRC

Model	Ød1	Ød2	Ød3	L	L1
GB/G/26*60/2	26	38	45	60	30
GB/G/31*75/2	31	44	50	75	36
GB/G/40*90/2	40	49	55	90	43
					48
GB/G/48*100/2	48	62	70	100	53

Guide Bush SE & SE/2 Model

بوش راهنمای مدل SE و SE/2



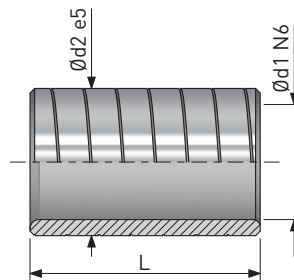
Ordering Code: GB/SE/ $\varnothing d1$ *L

Ordering Code Example: GB/SE/19*60

Material: 1.2210, 1.7176

Hardness: 58 + 2 HRC

Model	$\varnothing d1$	$\varnothing d2$	L	L1
GB/SE/19*60	19	30	60	15
GB/SE/20*60	20			
GB/SE/24*50	24		50	-
GB/SE/24*60		38	60	
GB/SE/24*75			75	15
GB/SE/25*50	25		50	20
GB/SE/25*60		44	60	
GB/SE/25*75			75	
GB/SE/30*50	30		50	
GB/SE/30*60		54	60	
GB/SE/30*70			70	
GB/SE/30*90			90	
GB/SE/32*50	32	54	50	
GB/SE/32*60			60	
GB/SE/32*70			70	
GB/SE/32*90		54	90	
GB/SE/38*50	38		50	
GB/SE/38*55			55	
GB/SE/38*70		60	70	
GB/SE/38*100			100	
GB/SE/40*50	40		50	
GB/SE/40*55		60	55	
GB/SE/40*70			70	
GB/SE/40*100			100	
GB/SE/45*100	45	60		



Ordering Code: GB/SE/ $\varnothing d1$ *L/2

Ordering Code Example: GB/SE/26*60/2

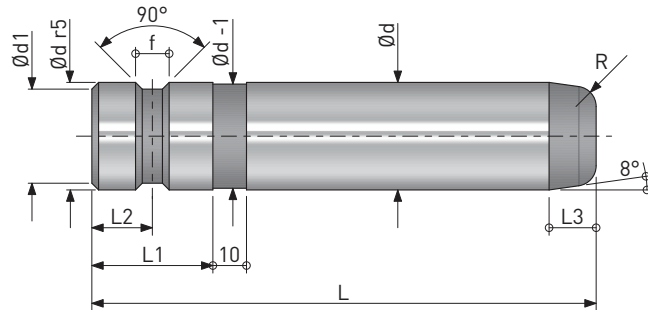
Material: 1.2067, 1.8951

Hardness: 60 + 3 HRC

Model	$\varnothing d1$	$\varnothing d2$	L
GB/SE/26*60/2	26	38	60
GB/SE/31*75/2	31	44	75
GB/SE/38*90/2	38	49	90
GB/SE/40*90/2	40	54	100
GB/SE/40*100/2			
GB/SE/46*100/2	46		
GB/SE/48*100/2	48	62	

Guide Pillar FL Model

میل راهنمای مدل FL

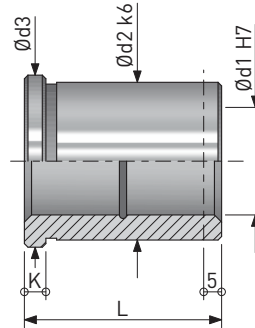


Ordering Code: GP/FL/Ød*L Ordering Code Example: GP/FL/20*120 Material: 1.2067, 1.8159 Deep Hardness: 60 + 3 HRC Hardness Penetration Depth: 1 - 1.5 mm

Model	Ød	Ød1	L	L1	L2	L3	f	R
GP/FL/20*120	20	17	120	38	19	10	6	4
GP/FL/20*150			150					
GP/FL/20*180			180					
GP/FL/25*120	25	22	120	48	24	12	8	5
GP/FL/25*150			150					
GP/FL/25*180			180					
GP/FL/30*120	30	26	120	58	29	13	10	5.5
GP/FL/30*150			150					
GP/FL/30*180			180					
GP/FL/30*200	40	36	200	63	31.5	14	12	6
GP/FL/40*150			150					
GP/FL/40*180			180					
GP/FL/40*200	50	45	200	88	44	15	10	6.5
GP/FL/40*220			220					
GP/FL/40*250			250					
GP/FL/40*300	60	54	300	98	49	16	12	7
GP/FL/50*150			150					
GP/FL/50*180			180					
GP/FL/50*200	80	74	200	98	49	16	12	7
GP/FL/50*250			250					
GP/FL/50*300			300					
GP/FL/60*200	80	74	200	98	49	16	12	7
GP/FL/60*220			220					
GP/FL/60*250			250					
GP/FL/60*280	80	74	280	98	49	16	12	7
GP/FL/60*300			300					
GP/FL/80*220			220					
GP/FL/80*250	80	74	250	98	49	16	12	7
GP/FL/80*280			280					
GP/FL/80*300			300					
GP/FL/80*350	80	74	350	98	49	16	12	7

Guide Bush FL&FL/2 Model

بوش مدل FL و FL/2



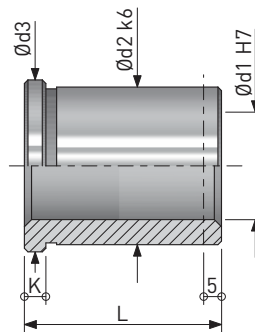
Ordering Code: GB/FL/ $\varnothing d1$ *L

Ordering Code Example: GB/FL/20*44

Material: 1.2210, 1.7176

hardness: 57 $\pm$ 2 HRC

Model	$\varnothing d1$	$\varnothing d2$	$\varnothing d3$	L	K
GB/FL/20*44	20	30	34	44	6
GB/FL/25*44	25	35	39		
GB/FL/30*55	30	44	48	55	
GB/FL/40*69	40	54	58	69	
GB/FL/50*89	50	65	69	89	
GB/FL/60*99	60	75	79	99	
GB/FL/80*119	80	100	105	119	10
GB/FL/100*149	100	120	125	149	10



Ordering Code: GB/FL/ $\varnothing d1$ *L/2

Ordering Code Example: GB/FL/26*44/2

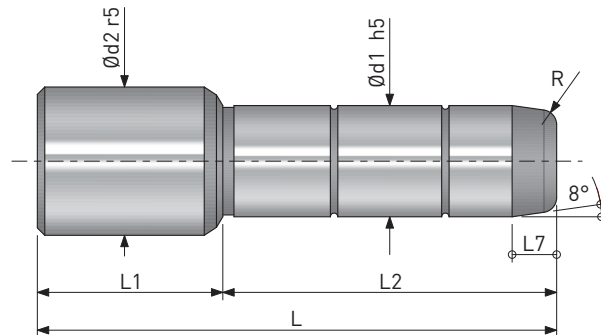
Material: 1.2067, 1.8159

Hardness: 62 $\pm$ 2 HRC

Model	$\varnothing d1$	$\varnothing d2$	$\varnothing d3$	L	K
GB/FL/26*44/2	26	35	39	44	6
GB/FL/31*44/2	31	44	48		
GB/FL/38*55/2	38	49	53	55	
GB/FL/48*69/2	48	62	66	69	
GB/FL/58*89/2	58	75	79	89	
GB/FL/68*99/2	68	85	89	99	
GB/FL/92*119/2	92	110	115	119	10

Guide Pillar F Model

میل راهنمای مدل F



Ordering Code: GP/F/ $\varnothing d1$ *L

Ordering Code Example: GP/F/20*135

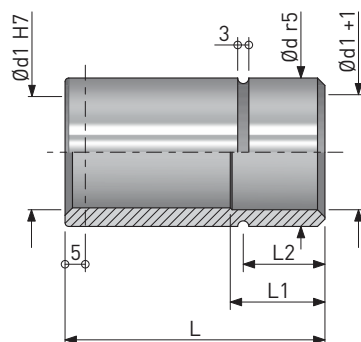
Material: 1.2067, 1.8159

Hardness: 60 ± 2 HRC

Model	Ød1	Ød2	L	L1	L2	R	L3
GP/F/20*135	20	30	135	40	95	5	10.5
GP/F/20*150			150		110		
GP/F/20*180			180		140		11
GP/F/25*135	25	35	135	95	6		
GP/F/25*150			150			110	
GP/F/25*180			180			140	
GP/F/30*150	30	40	150	50	100	7	12
GP/F/30*180			180		130		
GP/F/30*200			200		150		
GP/F/35*150	35	50	150		100	8	15
GP/F/35*180			180		130		
GP/F/35*200			200		150		
GP/F/35*220			220		170		
GP/F/40*180	40	55	180	55	125	10	
GP/F/40*200			200		145		
GP/F/40*250			250	75	175		
GP/F/40*300			300		225		

Guide Bush F Model

بوش مدل F



Ordering Code: GB/F/Ød1*L

Ordering Code Example: GB/F/20*60

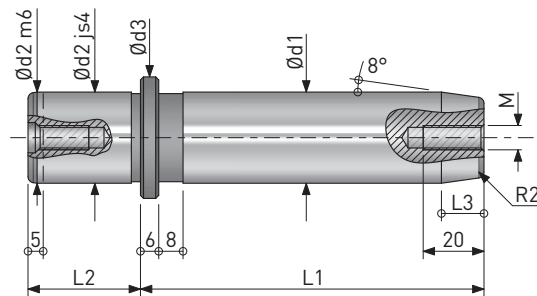
Material: 1.2210, 1.7176

hardness: 58 ± 2 HRC

Model	Ød	Ød1	L	L1	L2
GB/F/20*60	30	20	60	25	22
GB/F/25*60	35	25			
GB/F/30*75	40	30	75	30	26
GB/F/35*80	50	35	80		
GB/F/40*100	55	40	100	40	36

Guide Pillar C Model

میل راهنمای مدل C

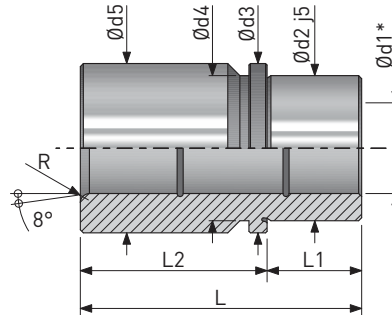


Ordering Code: GP/C/Ød1*L1 Ordering Code Example: GP/C/20*100 Material: 1.2067, 1.8159 Hardness penetration depth: 1.5 - 2 mm Surface hardness: 60 + 3 HRC

Model	Ød1	Ød2	Ød3	L1	L2	M	L3
GP/C/20*100	20	20	25	100	23	M8	10.5
GP/C/20*112				112			
GP/C/20*125				125			
GP/C/20*140				140			
GP/C/20*160				160			
GP/C/20*180				180			
GP/C/20*200				200			
GP/C/25*100	25	25	32	100	30		11
GP/C/25*112				112			
GP/C/25*125				125			
GP/C/25*140				140			
GP/C/25*160				160			
GP/C/25*180				180			
GP/C/25*200				200			
GP/C/25*224	30	30	40	224	37		12
GP/C/25*250				250			
GP/C/30*112				112			
GP/C/30*125				125			
GP/C/30*140				140			
GP/C/30*160				160			
GP/C/30*180				180			
GP/C/30*200	40	40	50	200			13
GP/C/30*224				224			
GP/C/30*250				250			
GP/C/30*280				280			
GP/C/30*315				315			
GP/C/40*125				125			
GP/C/40*140	50	50	63	140	47		15
GP/C/40*160				160			
GP/C/40*180				180			
GP/C/40*200				200			
GP/C/40*224				224			
GP/C/40*250				250			
GP/C/40*280				280			
GP/C/40*315	60	60	80	315			
GP/C/40*355				355			
GP/C/50*140				140			
GP/C/50*160				160			
GP/C/50*180				180			
GP/C/50*200				200			
GP/C/50*224	80	80	95	224	60	M12	
GP/C/50*250				250			
GP/C/50*280				280			
GP/C/50*315				315			
GP/C/50*355				355			
GP/C/50*400				400			
GP/C/60*160	80	80	95	160			
GP/C/60*180				180			
GP/C/60*200				200			
GP/C/60*224				224			
GP/C/60*250				250			
GP/C/60*280				280			
GP/C/60*315				315			
GP/C/60*355				355			
GP/C/60*400				400			
GP/C/80*200				200			
GP/C/80*224				224			
GP/C/80*250				250			
GP/C/80*280				280			
GP/C/80*315				315			
GP/C/80*255				355			
GP/C/80*400				400			

Guide Bush C Model

بوش راهنمای مدل C



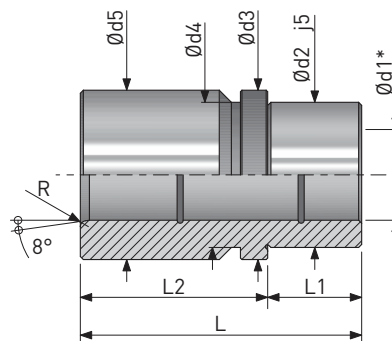
Ordering Code: GB/C/31/Ød1*L

Ordering Code Example: GB/C/31/20*59

Material: 1.2067, 1.2007

Deep Hardness: 60 ± 2 HRC

Model	Ød1	Ød2	Ød3	Ød4	Ød5	L	L1	L2	R
GB/C/31/20*59	20	32	40	32	39	59	23	36	3
GB/C/31/25*79	25	40	48	40	46	79		56	
GB/C/31/30*93	30	48	56	48	53	93	30	63	
GB/C/31/40*108	40	58	66	58	63	108	37	71	
GB/C/31/50*127	50	70	80	70	77	127	47	80	3.5
GB/C/31/60*150	60	85	95	85	92	150	60	90	



Ordering Code: GB/C/32/Ød1*L

Ordering Code Example: GB/C/32/20*72

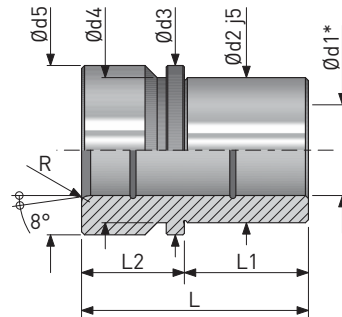
Material: 1.2067, 1.2007

Deep Hardness: 60 ± 2 HRC

Model	Ød1	Ød2	Ød3	Ød4	Ød5	L	L1	L2	R
GB/C/32/20*72	20	32	40	32	39	72	30	42	3
GB/C/32/25*80	25	40	48	40	46	80		50	
GB/C/32/30*93	30	48	56	48	53	93	37	56	
GB/C/32/40*110	40	58	66	58	63	110	47	63	3.5
GB/C/32/50*131	50	70	80	70	77	131	60	71	

Guide Bush C Model

بوش راهنمای مدل C



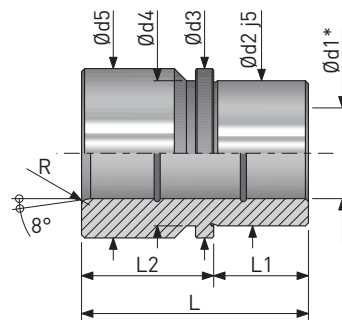
Ordering Code: GB/C/33/Ød1*L

Ordering Code Example: GB/C/33/20*55

Material: 1.2067, 1.2007

Deep Hardness: 60 ± 2 HRC

Model	Ød1	Ød2	Ød3	Ød4	Ød5	L	L1	L2	R
GB/C/33/20*55	20	32	40	32	39	55	30	25	3
GB/C/33/25*55	25	40	48	40	46	59	37	32	3.5
GB/C/33/30*69	30	48	56	48	53	69	47	36	
GB/C/33/40*79	40	58	66	58	63	79	60		
GB/C/33/50*96	50	70	80	70	77	96			
GB/C/33/60*96	60	85	95	85	91				



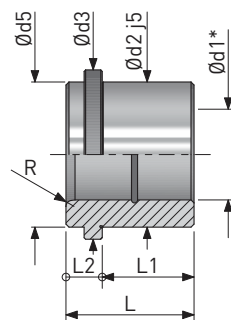
Ordering Code: GB/C/34/Ød1*L

Ordering Code Example: GB/C/34/20*43

Material: 1.2067, 1.2007

Deep Hardness: 60 ± 2 HRC

Model	Ød1	Ød2	Ød3	Ød4	Ød5	L	L1	L2	R
GB/C/34/20*43	20	32	40	32	39	43	23	20	3
GB/C/34/25*59	25	40	48	40	46	59	30	36	3.5
GB/C/34/30*75	30	48	56	48	53	75	37	45	
GB/C/34/40*82	40	58	66	58	63	82	47	50	
GB/C/34/50*97	50	70	80	70	77	97	60	56	
GB/C/34/60*116	60	85	95	85	91	116			



Ordering Code: GB/C/35/Ød1*L

Ordering Code Example: GB/C/35/20*35

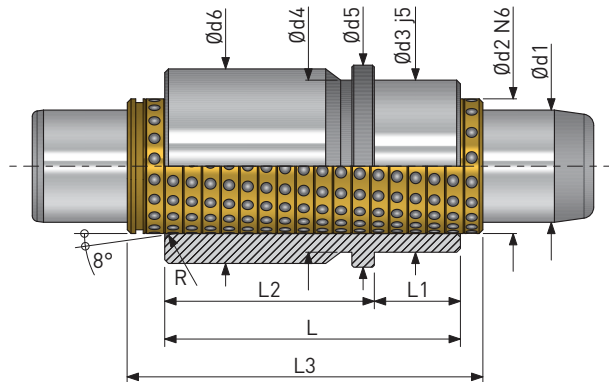
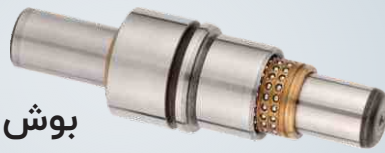
Material: 1.2067, 1.2007

Deep Hardness: 60 ± 2 HRC

Model	Ød1	Ød2	Ød3	Ød4	Ød5	L	L1	L2	R
GB/C/35/20*35	20	32	40	-	32	35	23	12	3
GB/C/35/25*35	25	40	48	-	40	42	30		3.5
GB/C/35/30*42	30	48	56	-	48	52	37	15	
GB/C/35/40*52	40	58	66	-	58	65	47	18	
GB/C/35/50*65	50	70	80	-	70	80	60	20	
GB/C/35/60*80	60	85	95	-	85				

Headed Ball Bearing Guide Bushes C Model

بوش راهنمای مدل C با قفسه ساچمه‌ای



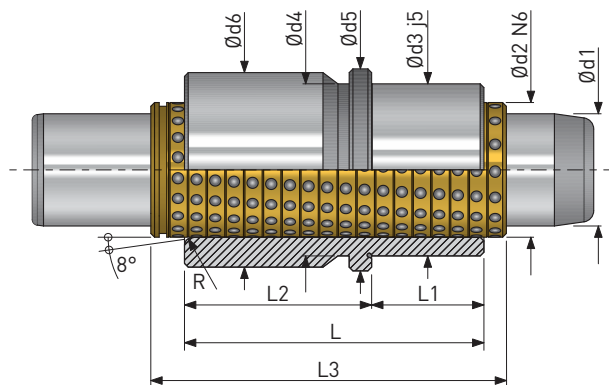
Ordering Code: GB/C/44/Ød2*L

Ordering Code Example: GB/C/44/26*59

Material: 1.2067, 1.8159

Deep Hardness: 60 ± 2 HRC

Model	Ød1	Ød2	Ød3	Ød4	Ød5	Ød6	L	L1	L2	L3	R
GB/C/44/26*59	20	26	32	32	40	39	59	23	36	71	3
GB/C/44/31*79	25	31	40	40	48	46	79		56	95	
GB/C/44/38*93	30	38	48	48	56	53	93	30	63	120	
GB/C/44/48*108	40	48	58	58	66	63	108	37	71		3.5
GB/C/44/58*127	50	58	70	70	80	77	127	47	80	140	
GB/C/44/68*150	60	68	85	85	95	92	150	60	90	160	
GB/C/44/92*150	80	92	105	105	118	115					



Ordering Code: GB/C/45/Ød2*L

Ordering Code Example: GB/C/45/26*59

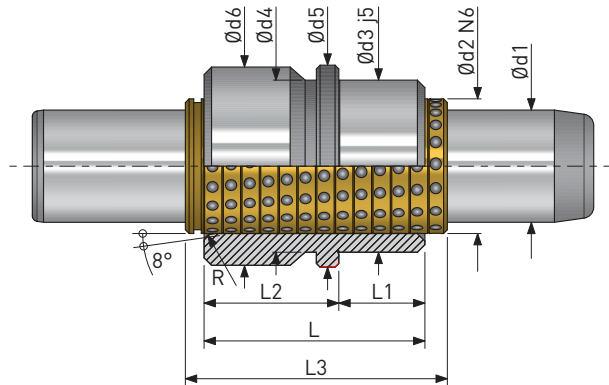
Material: 1.2067, 1.8159

Deep Hardness: 60 ± 2 HRC

Model	Ød1	Ød2	Ød3	Ød4	Ød5	Ød6	L	L1	L2	L3	R
GB/C/45/26*59	20	26	32	32	40	39	59	23	36	71	3
GB/C/45/31*80	25	31	40	40	48	46	80	30	50	95	
GB/C/45/38*93	30	38	48	48	56	53	93	37	56	120	
GB/C/45/48*110	40	48	58	58	66	63	110	47	63	140	3.5
GB/C/45/58*131	50	58	70	70	80	77	131	60	71	160	
GB/C/45/68*131	60	68	85	85	95	92					

Headed Ball Bearing Guide Bushes C Model

بوش راهنمای مدل C با قفسه ساچمه‌ای



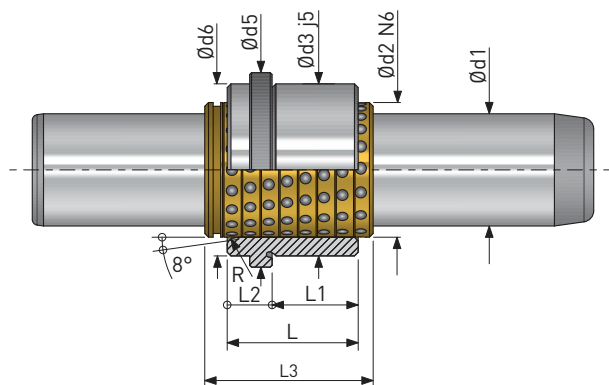
Ordering Code: GB/C/46/ $\varnothing d_2$ *L

Ordering Code Example: GB/C/46/26*43

Material: 1.2067, 1.8159

Deep Hardness: 60 $\pm$ 2 HRC

Model	$\varnothing d_1$	$\varnothing d_2$	$\varnothing d_3$	$\varnothing d_4$	$\varnothing d_5$	$\varnothing d_6$	L	L1	L2	L3	R
GB/C/46/26*43	20	26	32	32	40	39	43	23	20	56	3
GB/C/46/31*59	25	31	40	40	48	46	59		36	71	
GB/C/46/38*75	30	38	48	48	56	53	75	30	45	95	
GB/C/46/48*82	40	48	58	58	66	63	82	37		105	3.5
GB/C/46/58*97	50	58	70	70	80	77	97	47	50	120	
GB/C/46/68*116	60	68	85	85	95	92	116	60	56		
GB/C/46/92*120	80	92	105	105	118	115	120		60		



Ordering Code: GB/C/47/ $\varnothing d_2$ *L

Ordering Code Example: GB/C/47/26*35

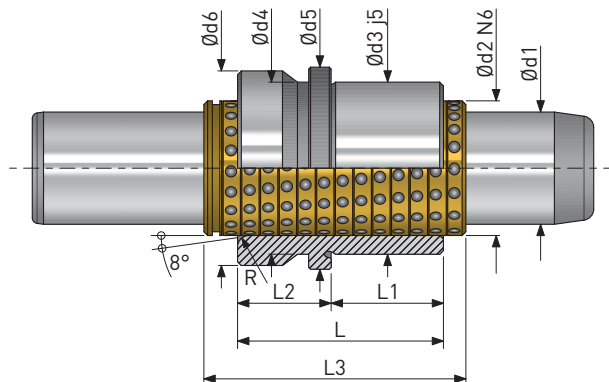
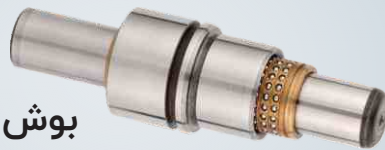
Material: 1.2067, 1.8159

Deep Hardness: 60 $\pm$ 2 HRC

Model	$\varnothing d_1$	$\varnothing d_2$	$\varnothing d_3$	$\varnothing d_4$	$\varnothing d_5$	$\varnothing d_6$	L	L1	L2	L3	R
GB/C/47/26*35	20	26	32	-	40	32	35	23	12	45	3
GB/C/47/31*35	25	31	40		48	40					
GB/C/47/38*42	30	38	48		56	48	42	30		56	
GB/C/47/48*52	40	48	58		66	58	52	37	15	63	3.5
GB/C/47/58*65	50	58	70		80	70	65	47	18	80	
GB/C/47/68*80	60	68	85		95	85	80	60	20	95	
GB/C/47/92*80	80	92	105		118	105				120	

Headed Ball Bearing Guide Bushes C Model

بوش راهنمای مدل C با قفسه ساچمه‌ای



Ordering Code: GB/C/49/ $\varnothing d_2$ *L

Ordering Code Example: GB/C/49/26*55

Material: 1.2067, 1.8159

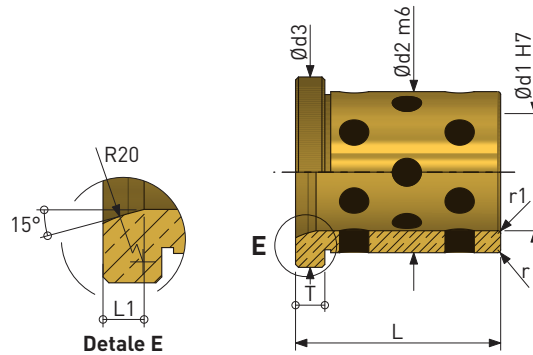
Deep Hardness: 60 $\pm$ 2 HRC

Model	$\varnothing d_1$	$\varnothing d_2$	$\varnothing d_3$	$\varnothing d_4$	$\varnothing d_5$	$\varnothing d_6$	L	L1	L2	L3	R
GB/C/49/26*55	20	26	32	32	40	39	55	30	25	71	3
GB/C/49/31*55	25	31	40	40	48	46					
GB/C/49/38*69	30	38	48	48	56	53	69	37	32	80	
GB/C/49/48*79	40	48	58	58	66	63	79	47		95	
GB/C/49/58*96	50	58	70	70	80	77	96	60	36	120	3.5
GB/C/49/68*96	60	68	85	85	95	92					



Oil less Guide Bush Bronze With Non-Liquid Lubricant

بوش گرافیتی پاشنه‌دار



Ordering Code: GB/FW/Ød1*L

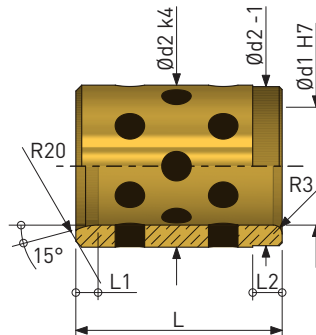
Ordering Code Example: GB/FW/25*40

Material: Bronze-Manganese

Deep Hardness: 180 - 20 HB

Model	Ød1	Ød2	Ød3	L	L1	T	r	r1	R
GB/FW/25*40	25	35	45	40	5	7	1	2	10
GB/FW/30*50	30	40	50	50		10			2
GB/FW/40*70	40	55	65	70					
GB/FW/50*80	50	65	75	80	7				
GB/FW/60*90	60	75	85	90	8				
GB/FW/80*100	80	100	110	100	9				
GB/FW/80*140				140					
GB/FW/100*100				100	10				
GB/FW/100*140	140								

Oil less Guide Bush Bronze With Non-Liquid Lubricant بوش گرافیتی



Ordering Code: GB/W/Ød1*L

Ordering Code Example: GB/W/25*40

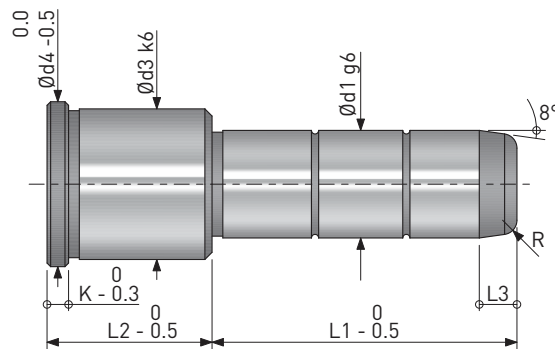
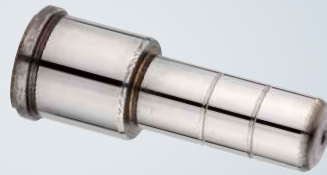
Material: Bronze - Manganese

Deep Hardness: 180 - 200 BH

Model	Ød1	Ød2	L	L1	L2
GB/W/25*40	25	40	40	5	10
GB/W/30*50	30	50	50		15
GB/W/35*55	35	60	55		
GB/W/40*60	40	70	60	7	20
GB/W/50*75	50		75		
GB/W/60*90	60		90		
GB/W/80*120	80	100	120	9	25
GB/W/100*150	100	120	150	10	

Guide Pillar P Model

میل راهنمای مدل P



Ordering Code: GP/P/L2/Ød1*L1

Ordering Code Example: GP/P/22/15*21

Material: 1.8159

Surface Hardness: 62 ± 2 HRC

Model	Ød1	R	Model	Ød1	Ød3	Ød4	L1	L2	L3	k
GP/P/22/15*21	15	3.5	GP/P/22/14*21	14	20	24	21	22	10.5	6
GP/P/22/15*26			GP/P/22/14*26				26			
GP/P/22/15*35			GP/P/22/14*35				35			
GP/P/22/15*45			GP/P/22/14*45				45			
GP/P/27/15*26			GP/P/27/14*26				26	27		
GP/P/27/15*35			GP/P/27/14*35				35			
GP/P/27/15*45			GP/P/27/14*45				45			
GP/P/27/15*55			GP/P/27/14*55				55			
GP/P/36/15*35			GP/P/36/14*35				35	36		
GP/P/36/15*45			GP/P/36/14*45				45			
GP/P/36/15*55			GP/P/36/14*55				55			
GP/P/36/15*65			GP/P/36/14*65				65			
GP/P/36/15*75			GP/P/36/14*75				75	46		
GP/P/46/15*45			GP/P/46/14*45				45			
GP/P/46/15*55			GP/P/46/14*55				55			
GP/P/46/15*65			GP/P/46/14*65				65			
GP/P/46/15*75			GP/P/46/14*75				75			
GP/P/22/16*21	16	3.5	-	-	22	26	21	22		
GP/P/22/16*26			-				26			
GP/P/22/16*35			-				35			
GP/P/22/16*45			-				45			
GP/P/27/16*26			-				26	27		
GP/P/27/16*35			-				35			
GP/P/27/16*45			-				45			
GP/P/27/16*55			-				55			
GP/P/36/16*35			-				35	36		
GP/P/36/16*45			-				45			
GP/P/36/16*55			-				55			
GP/P/36/16*65			-				65			
GP/P/36/16*75			-				75	46		
GP/P/46/16*45			-				45			
GP/P/46/16*55			-				55			
GP/P/46/16*65			-				65			
GP/P/46/16*75			-				75			

Ordering Code: GP/P/L2/Ød1*L1

Ordering Code Example: GP/P/22/15*21

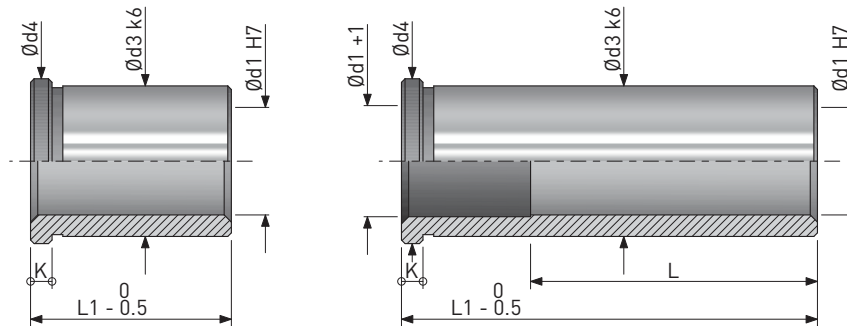
Material: 1.8159

Surface Hardness: 62 ± 2 HRC

Model	Ød1	R	Model	Ød1	Ød3	Ød4	L1	L2	L3	k					
GP/P/27/20*26	20	4	GP/P/27/18*26	18	26	30	26	27	10.5	6					
GP/P/27/20*35			GP/P/27/18*35				35								
GP/P/27/20*45			GP/P/27/18*45				45								
GP/P/27/20*55			GP/P/27/18*55				55								
GP/P/27/20*65			GP/P/27/18*65				65								
GP/P/27/20*75			GP/P/27/18*75				75								
GP/P/36/20*35			GP/P/36/18*35				35	36			10.6				
GP/P/36/20*45			GP/P/36/18*45				45								
GP/P/36/20*55			GP/P/36/18*55				55								
GP/P/36/20*65			GP/P/36/18*65				65								
GP/P/36/20*75			GP/P/36/18*75				75								
GP/P/36/20*95			GP/P/36/18*95				95								
GP/P/46/20*45			GP/P/46/18*45				45	46							
GP/P/46/20*55			GP/P/46/18*55				55								
GP/P/46/20*65			GP/P/46/18*65				65								
GP/P/46/20*75			GP/P/46/18*75				75								
GP/P/46/20*95			GP/P/46/18*95				95								
GP/P/56/20*55			GP/P/56/18*55				55		56						
GP/P/56/20*65			GP/P/56/18*65				65								
GP/P/56/20*75			GP/P/56/18*75				75								
GP/P/56/20*95			GP/P/56/18*95				95								
GP/P/27/24*26	24	4.5	GP/P/27/22*26	22	30	34	26	27		11					
GP/P/27/24*35			GP/P/27/22*35				35								
GP/P/27/24*45			GP/P/27/22*45				45								
GP/P/27/24*55			GP/P/27/22*55				55								
GP/P/27/24*65			GP/P/27/22*65				65								
GP/P/27/24*75			GP/P/27/22*75				75								
GP/P/36/24*35			GP/P/36/22*35				35	36							
GP/P/36/24*45			GP/P/36/22*45				45								
GP/P/36/24*55			GP/P/36/22*55				55								
GP/P/36/24*65			GP/P/36/22*65				65								
GP/P/36/24*75			GP/P/36/22*75				75								
GP/P/36/24*95			GP/P/36/22*95				95								
GP/P/46/24*45			GP/P/46/22*45				45	46							
GP/P/46/24*55			GP/P/46/22*55				55								
GP/P/46/24*65			GP/P/46/22*65				65								
GP/P/46/24*75			GP/P/46/22*75				75								
GP/P/46/24*95			GP/P/46/22*95				95								
GP/P/56/24*55			GP/P/56/22*55				55		56						
GP/P/56/24*65			GP/P/56/22*65				65								
GP/P/56/24*75			GP/P/56/22*75				75								
GP/P/56/24*95			GP/P/56/22*95				95								
GP/P/46/32*45	32	5	GP/P/46/30*45	30	42	46	45	46		15					
GP/P/46/32*65			GP/P/46/30*65				65								
GP/P/46/32*85			GP/P/46/30*85				85								
GP/P/46/32*105			GP/P/46/30*105				105								
GP/P/46/32*125			GP/P/46/30*125				125								
GP/P/56/32*55			GP/P/56/30*55				55		56						
GP/P/56/32*75			GP/P/56/30*75				75								
GP/P/56/32*95			GP/P/56/30*95				95								
GP/P/56/32*115			GP/P/56/30*115				115								
GP/P/56/32*135			GP/P/56/30*135				135								
GP/P/66/32*75			GP/P/66/30*75				75	66							
GP/P/66/32*95			GP/P/66/30*95				95								
GP/P/66/32*115			GP/P/66/30*115				115								
GP/P/66/32*135			GP/P/66/30*135				135								
GP/P/76/32*75			GP/P/76/30*75				75		76						
GP/P/76/32*95			GP/P/76/30*95				95								
GP/P/76/32*115			GP/P/76/30*115				115								
GP/P/76/32*155			GP/P/76/30*155				155								
GP/P/56/42*75			42					GP/P/56/40*75		40	54	60	75	56	10
GP/P/66/42*75								GP/P/66/40*75						66	
GP/P/76/42*75								GP/P/76/40*75					76		
GP/P/76/42*115	GP/P/76/40*115	115													
GP/P/86/42*75	GP/P/86/40*75	75		86											
GP/P/86/42*135	GP/P/86/40*135	135													
GP/P/96/42*75	GP/P/96/40*75	75		96											
GP/P/96/42*115	GP/P/96/40*115	115													
GP/P/116/42*95	GP/P/116/40*95	95		116											
GP/P/116/42*135	GP/P/116/40*135	135													
GP/P/136/42*135	GP/P/136/40*135			136											
-	-	8	GP/P/96/50*115	50	66	72	115	96	20						
			GP/P/116/50*135				135	116							
			GP/P/136/50*135					136							
			GP/P/96/60*115				115	96							
			GP/P/116/60*135	60	80	86	135	116							
			GP/P/136/60*135					136							
			GP/P/156/60*155				155	156							

Guide Bush P Model

بوش راهنمای مدل P



Ordering Code: GB/P/Ød1*L

Ordering Code Example: GB/P/15*22

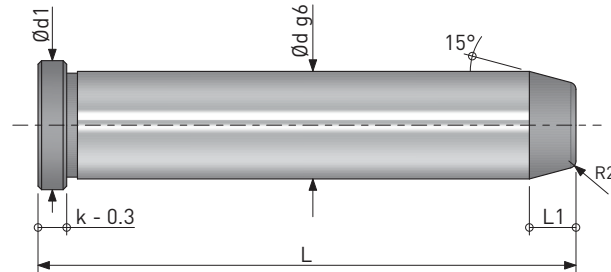
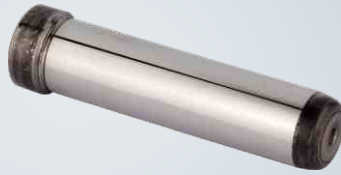
Material: 1.2210, 1.7176

Deep Hardness: 57 ± 2 HRC

Model	Ød1	Model	Ød1	L1	L	Ød3	Ød4	k
GB/P/15*22	15	GB/P/14*22	14	22	22	20	24	6
GB/P/15*27		GB/P/14*27		27	27			
GB/P/15*36		GB/P/14*36		36	36			
GB/P/15*46		GB/P/14*46		46	46			
GB/P/15*56		GB/P/14*56			56			
GB/P/15*66		GB/P/14*66			66			
GB/P/15*76		GB/P/14*76			76			
GB/P/16*22	16	-	-	22	22	22	26	
GB/P/16*27				27	27			
GB/P/16*36				36	36			
GB/P/16*46				46	46			
GB/P/16*56					56			
GB/P/16*66					66			
GB/P/16*76					76			
GB/P/20*27	20	GB/P/18*27	18	27	27	26	30	
GB/P/20*36		GB/P/18*36		36	36			
GB/P/20*46		GB/P/18*46		46	46			
GB/P/20*56		GB/P/18*56			56			
GB/P/20*66		GB/P/18*66			66			
GB/P/20*76		GB/P/18*76			76			
GB/P/20*96		GB/P/18*96			96			
GB/P/24*27	24	GB/P/22*27	22	27	27	30	34	
GB/P/24*36		GB/P/22*36		36	36			
GB/P/24*46		GB/P/22*46		46	46			
GB/P/24*56		GB/P/22*56		56	56			
GB/P/24*66		GB/P/22*66			66			
GB/P/24*76		GB/P/22*76			76			
GB/P/24*96		GB/P/22*96			96			
GB/P/32*46	32	GB/P/30*46	30	46	46	42	46	
GB/P/32*56		GB/P/30*56		56	56			
GB/P/32*66		GB/P/30*66		66	66			
GB/P/32*76		GB/P/30*76		76	76			
GB/P/32*86		GB/P/30*86			86			
GB/P/32*96		GB/P/30*96			96			
GB/P/32*116		GB/P/30*116			116			
GB/P/32*136		GB/P/30*136			136			
GB/P/42*56	42	GB/P/40*56	40	56	56	54	60	10
GB/P/42*66		GB/P/40*66		66	66			
GB/P/42*76		GB/P/40*76		76	76			
GB/P/42*86		GB/P/40*86		86	86			
GB/P/42*96		GB/P/40*96		96	96			
GB/P/42*116		GB/P/40*116		100	116			
GB/P/42*136		GB/P/40*136			136			
-	-	GB/P/50*96	50	96	96	66	72	
		GB/P/50*116		100	116			
		GB/P/50*136			136			
		GB/P/60*96	60	96	96	80	86	20
		GB/P/60*116		116	116			
		GB/P/60*136		136	136			
		GB/P/60*156		156	156			

Guide Pillar TS Model (Angle Pin)

میل راهنمای مدل (پین کج)
TS



Ordering Code: GP/TS/Ød*L

Ordering Code Example: GP/TS/14*100

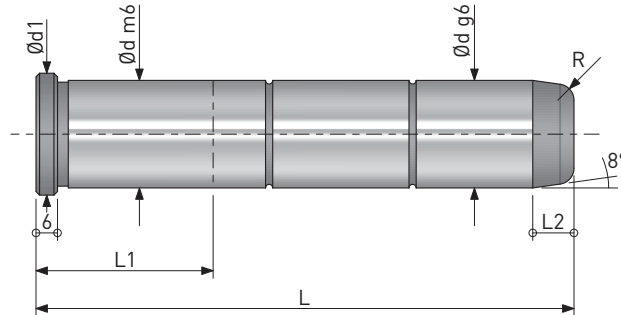
Material: 1.8159

Surface Hardness: 57 + 3 HRC

Model	Ød	Ød1	L	L1	K				
GP/TS/14*100	14	18	100	10	8				
GP/TS/14*120			120						
GP/TS/14*140			140						
GP/TS/16*120	16	20	120			11	15		
GP/TS/16*140			140						
GP/TS/16*160			160						
GP/TS/18*140	18	22	140					12	15
GP/TS/18*160			160						
GP/TS/18*180			180						
GP/TS/20*140	20	24	140	13	15				
GP/TS/20*160			160						
GP/TS/20*180			180						
GP/TS/20*200			200						
GP/TS/22*140	22	26	140			14	15		
GP/TS/22*160			160						
GP/TS/22*180			180						
GP/TS/22*200			200						
GP/TS/24*140	24	28	140					15	15
GP/TS/24*160			160						
GP/TS/24*180			180						
GP/TS/24*200			200						
GP/TS/30*160	30	36	160	16	15				
GP/TS/30*180			180						
GP/TS/30*200			200						
GP/TS/30*240			240						

Guide Pillar T Model

میل راهنمای مدل T



Ordering Code: GP/T/Ød*L

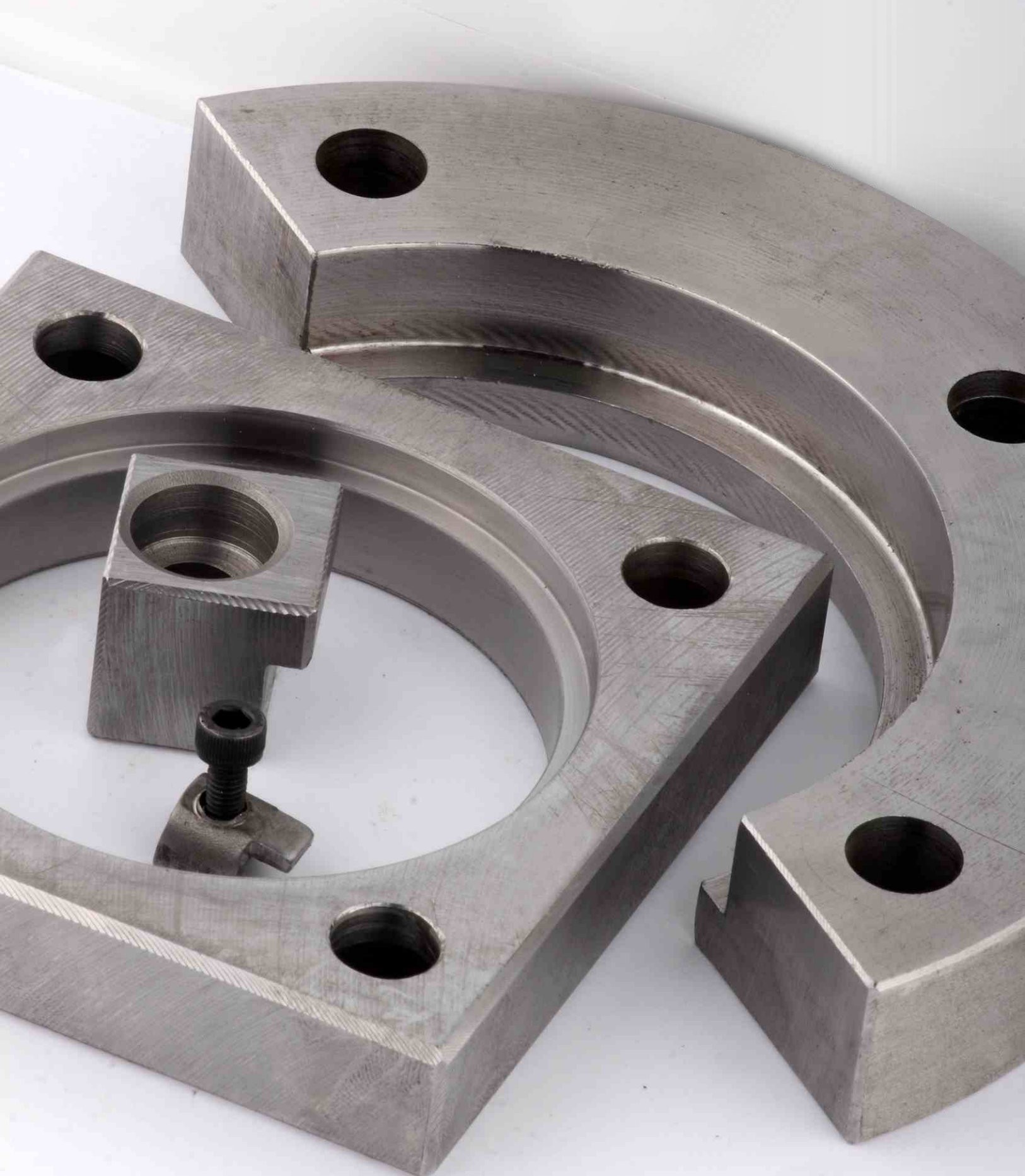
Ordering Code Example: GP/T/14*60

Material: 1.8159

Surface Hardness: 57 + 3 HRC

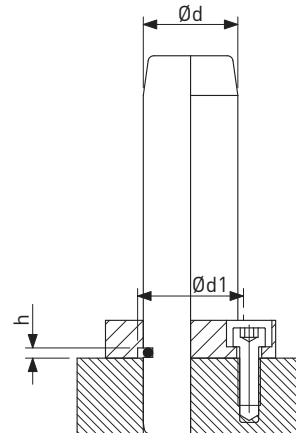
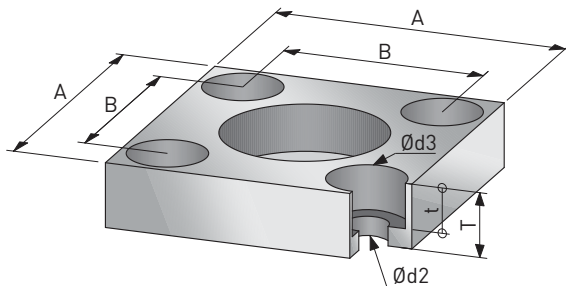
Model	Ød	Ød1	R	L	L1	L2
GP/T/14*60	14	18	3	60	17	10.5
GP/T/14*80				80	22	
GP/T/14*100				100	27	
GP/T/14*120				120	36	
GP/T/14*140				140	46	
GP/T/16*60	16	20	3	60	17	10.5
GP/T/16*80				80	22	
GP/T/16*100				100	27	
GP/T/16*120				120	36	
GP/T/16*140				140	46	
GP/T/18*60	18	22	4	60	17	10.5
GP/T/18*80				80	22	
GP/T/18*100				100	27	
GP/T/18*120				120	36	
GP/T/18*140				140	46	
GP/T/20*60	20	24	4	60	17	10.6
GP/T/20*80				80	22	
GP/T/20*100				100	27	
GP/T/20*120				120	36	
GP/T/20*140				140	46	
GP/T/22*60	22	26	4	60	17	11
GP/T/22*80				80	22	
GP/T/22*100				100	27	
GP/T/22*120				120	36	
GP/T/22*140				140	46	
GP/T/24*80	24	28	4.5	80	22	11.5
GP/T/24*100				100	27	
GP/T/24*120				120	36	
GP/T/24*140	30	34	5	140	46	15
GP/T/30*100				100	27	
GP/T/30*120				120	36	
GP/T/30*140				140	46	
GP/T/30*160				160	56	
GP/T/30*180				180	56	
GP/T/30*200				200	76	

RETAINERS



Square Retainer for Guide Pillars With Fix Rings

نگهدارنده مربع شکل میل

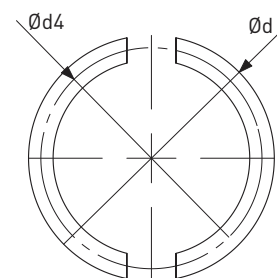
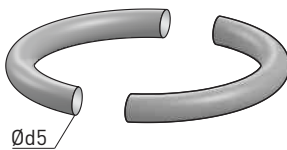


Ordering Code: GP/NP/Ød Ordering Code Example: GP/NP/25 Material: St 37

Model	Ød	Ød1	Ød2	Ød3	A	B	T	h	t
GP/NP/25	25	28	6.6	12	45	31	10	2.7	7
GP/NP/32	32	37			56	36		4.2	
GP/NP/40	40	45			70	50	12		
GP/NP/50	50	55	9	16	80	55	14		9
GP/NP/63	63	70	11	18	100	70	18	6.2	11
GP/NP/80	80	87	14	22	110	80	20		13
GP/NP/100	100	107			140	100			

RING

حلقه تثبیت

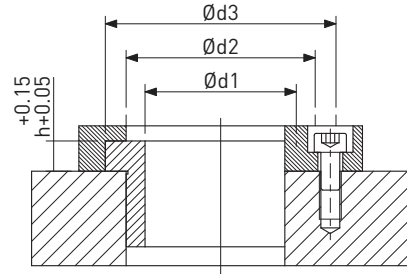
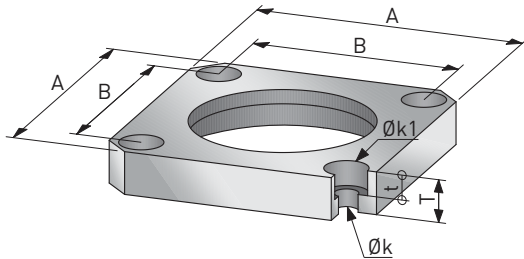


Ordering Code: RNG/Ød Ordering Code Example: RNG/25 Material: ck 75

Model	Ød	Ød4	Ød5
RNG/25	25	22.5	2.5
RNG/32	32	28	4
RNG/40	40	36	
RNG/50	50	46	
RNG/63	63	57	6
RNG/80	80	74	
RNG/100	100	94	

Square Retainer Guide Bush

نگهدارنده مربع شکل بوش



Ordering Code: GB/NS/Ød

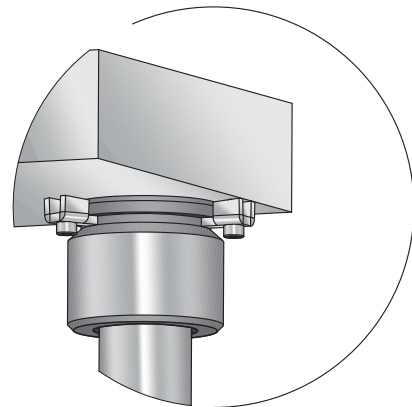
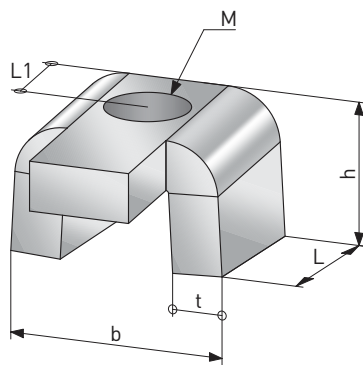
Ordering Code Example: GB/NS/Ø40

Material: St 37

Model	Ød1	Ød2	Ød3	A	B	T	h	ØK	ØK1	t
GB/NS/40	40	50	61	75	58	12	8	6.6	12	7
GB/NS/50	50	60	72	85	65	16	10	9	16	9
GB/NS/63	63	80	91	100	80		12			
GB/NS/80	80	100	113	117	98	20	16			12

Clamp

کلمپ



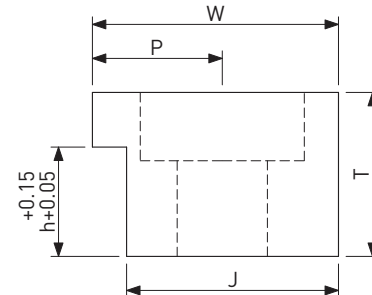
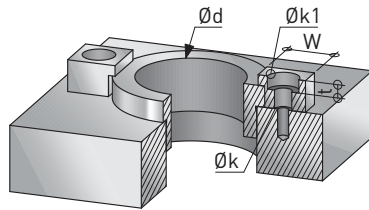
Ordering Code: GB/KL2/16

Material: St 37

Model	L	L1	t	b	h	M
GB/KL2/16	16	5	3	8	9	M4

Retainer Clamp With Screw

نگهدارنده



Ordering Code: GB/KL/Ød

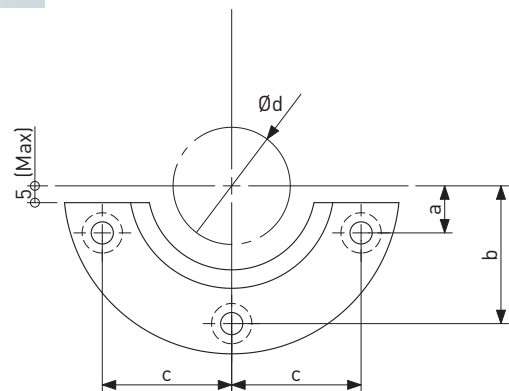
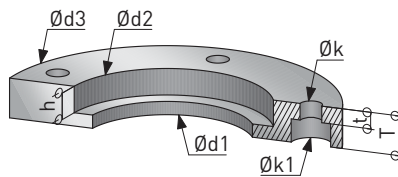
Ordering Code Example: GB/KL/40

Material: St 37

Model	Ød	W	J	P	T	h	K	K1	t
GB/KL/40	40	18	15.5	9.5	12	8	6.6	12	5
GB/KL/50	50	24	19	14	16	10	9	16	9
GB/KL/63	63	26	21	15	20	12	11	18	10
GB/KL/80	80				25	16			
GB/KL/100	100				32	20			

Circular Retainer

نگهدارنده گرد



Ordering Code: GB/NH/Ød

Ordering Code Example: GB/NH/40

Material: St 37

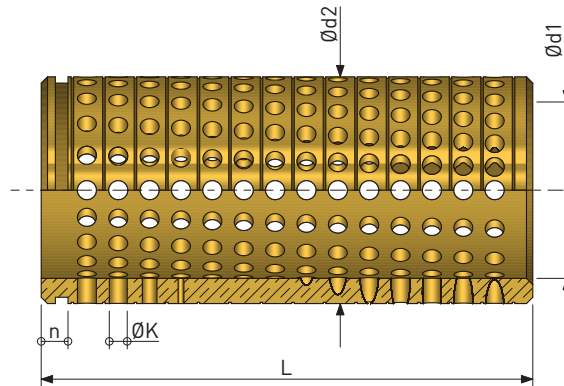
Model	Ød	Ød1	Ød2	Ød3	a	b	C	T	h	K	K1	t
GB/NH/40	40	50	61	100	14	41	38.5	12	8	6.6	12	7
GB/NH/50	50	63	72	125	17	49	46	16	10	9	16	9
GB/NH/63	63	80	91	140		57.5	55	20	12	11	18	11
GB/NH/80	80	100	113	180	20	72	70	25	16	14	22	13
GB/NH/100	100	125	141	200	25	85	81	32	20			

BALL BEARING



Ball Cage

قفسه ساچمه‌ای



Ordering Code: BC/71/Ød1*L

Ordering Code Example: BC/71/19*45

Material: Brass

Model	Ød1	Ød2	L	ØK	n	Model	Ød1	Ød2	L	ØK	n
BC/71/19*45	19	25	45	3	2.9	BC/71/38*45	38	46	45	4	3.95
BC/71/19*50			50			BC/71/38*50			50		
BC/71/19*56			56			BC/71/38*56			56		
BC/71/19*63			63			BC/71/38*63			63		
BC/71/19*71			71			BC/71/38*80			80		
BC/71/19*80			80			BC/71/38*95			95		
BC/71/19*95			95			BC/71/38*105			105		
BC/71/20*45	20	26	45			BC/71/38*120	40	48	120		4.25
BC/71/20*50			50			BC/71/38*140			140		
BC/71/20*56			56			BC/71/38*160			160		
BC/71/20*63			63			BC/71/40*45			45		
BC/71/20*71			71			BC/71/40*50			50		
BC/71/20*80			80			BC/71/40*56			56		
BC/71/20*95			95			BC/71/40*63			63		
BC/71/24*40	24	30	40		3.2	BC/71/40*80	48	56	80		
BC/71/24*45			45			BC/71/40*95			95		
BC/71/24*50			50			BC/71/40*105			105		
BC/71/24*56			56			BC/71/40*120			120		
BC/71/24*63			63			BC/71/40*140			140		
BC/71/24*71			71			BC/71/40*160			160		
BC/71/24*80			80			BC/71/48*63	50	58	63		
BC/71/24*95	25	31	95			BC/71/48*71			71		
BC/71/24*105			105			BC/71/48*80			80		
BC/71/24*120			120			BC/71/48*95			95		
BC/71/25*40			40			BC/71/48*105			105		
BC/71/25*45			45			BC/71/48*120			120		
BC/71/25*50			50			BC/71/48*140			140		
BC/71/25*56	30	38	56			BC/71/48*160	60	68	160		
BC/71/25*63			63			BC/71/50*63			63		
BC/71/25*71			71			BC/71/50*71			71		
BC/71/25*80			80			BC/71/50*80			80		
BC/71/25*95			95			BC/71/50*95			95		
BC/71/25*105			105			BC/71/50*105			105		
BC/71/25*120			120			BC/71/50*120			120		
BC/71/30*40	32	40	40	4	3.95	BC/71/50*140	63	71	140	6	6.15
BC/71/30*45			45			BC/71/50*160			160		
BC/71/30*50			50			BC/71/60*95			95		
BC/71/30*56			56			BC/71/60*105			105		
BC/71/30*63			63			BC/71/60*120			120		
BC/71/30*80			80			BC/71/60*140			140		
BC/71/30*95			95			BC/71/60*160			160		
BC/71/30*105	32	40	105			BC/71/60*180	80	92	180		
BC/71/30*120			120			BC/71/60*200			200		
BC/71/32*40			40			BC/71/63*95			95		
BC/71/32*45			45			BC/71/63*105			105		
BC/71/32*50			50			BC/71/63*120			120		
BC/71/32*56			56			BC/71/63*140			140		
BC/71/32*63			63			BC/71/63*160			160		
BC/71/32*80	32	40	80			BC/71/63*180			180		
BC/71/32*95			95			BC/71/63*200			200		
BC/71/32*105			105			BC/71/80*105	80	92	105		
BC/71/32*120			120			BC/71/80*120			120		
						BC/71/80*140			140		
						BC/71/80*160			160		
						BC/71/80*180			180		
						BC/71/80*200			200		

SPRINGS



Springs فنرها



Heavy Duty Die Springs Iso Specification Series Metric Dimensions Red

Hole Dia (mm)	Rod Dia (mm)	Free Length (mm)	Load 1mm Def (N)	LOAD DEFLECTION TABLE						
				For Optimum Life (15% of Free Length)		For Optimum Life (20% of Free Length)		For Optimum Life (25% of Free Length)		Maximum Deflection
				Load (N)	Deflection (mm)	Load (N)	Deflection (mm)	Load (N)	Deflection (mm)	Deflection (mm)
10	5	25	22.1	82.9	3.8	110.5	5.0	138.1	6.3	7.5
		32	17.5	84.0	4.8	12.0	6.4	140.0	8.0	9.6
		38	17.1	97.5	5.7	130.0	7.6	162.5	9.5	11.4
		44	15.0	99.0	6.6	132.0	8.8	165.0	11.0	13.2
		51	12.8	97.9	7.7	130.6	10.2	163.2	12.8	15.3
		64	10.7	102.7	9.6	137.0	12.8	171.2	16.0	19.2
		76	7.5	85.5	1.4	114.0	15.2	142.5	19.0	22.8
12.5	6.3	305	2.1	96.1	45.8	128.1	61.0	160.1	76.3	91.5
		25	42.1	157.9	3.8	210.5	5.0	263.1	6.3	7.5
		32	33.2	159.4	4.8	212.5	6.4	265.6	8.0	9.6
		38	29.3	167.0	5.7	222.7	7.6	278.4	9.5	11.4
		44	24.6	162.4	6.6	216.5	8.8	270.6	11.0	13.2
		51	19.6	149.9	7.7	199.9	10.2	249.9	12.8	15.3
		64	15.0	144.0	9.6	192.0	12.8	240.0	16.0	19.2
		76	13.2	150.5	11.4	200.6	15.2	250.8	19.0	22.8
		89	11.4	152.2	13.4	202.9	17.8	253.7	22.3	26.7
		305	2.8	128.1	45.8	170.8	61.0	213.5	76.3	91.5
16	8	25	75.7	283.9	3.8	378.5	5.0	473.1	6.3	7.5
		32	52.8	253.4	4.8	337.9	6.4	422.4	8.0	9.6
		38	48.5	276.5	5.7	368.6	7.6	460.8	9.5	11.4
		44	42.8	282.5	6.6	376.6	8.8	470.8	11.0	13.2
		51	37.1	283.8	7.7	378.4	10.2	473.0	12.8	15.3
		64	30.3	290.9	9.6	387.8	12.8	484.8	16.0	19.2
		76	25.7	293.0	11.4	390.6	15.2	488.3	19.0	22.8
		89	21.7	289.7	13.4	386.3	17.8	482.8	22.3	26.7
		102	19.3	295.3	15.3	393.7	20.4	492.2	25.5	30.6
		304	7.1	324.8	45.8	433.1	61.0	541.4	76.3	91.5
		25	216.0	810.0	3.8	1080.0	5.0	1350.0	6.3	7.5
		32	168.0	806.4	4.8	1075.2	6.4	1344.0	8.0	9.6
20	10	38	129.0	735.3	5.7	980.4	7.6	1225.5	9.5	11.0
		44	112.0	739.2	6.6	985.6	8.8	1232.0	11.0	13.0
		51	94.0	719.1	7.7	958.8	10.2	1198.5	12.8	15.0
		64	72.1	692.2	9.6	922.9	12.8	1153.6	16.0	19.0
		76	59.7	680.6	11.4	907.4	15.2	1134.3	19.0	23.0
		89	50.5	674.2	13.4	898.9	17.8	1123.6	22.3	27.0
		102	44.2	676.3	15.3	901.7	20.4	1127.1	25.5	31.0
		115	38.4	662.4	17.3	883.2	23.0	1104.0	28.8	35.0
		127	34.1	649.6	19.1	866.1	24.4	1082.7	31.8	38.0
		139	31.0	646.4	20.9	861.8	27.8	1077.3	34.8	42.0
		152	28.2	643.0	22.8	857.3	30.4	1071.6	38.0	46.0
		305	15.0	686.3	45.8	915.0	61.0	1143.8	76.3	91.0
		25	375.0	1406.3	3.8	1875.0	5.0	2343.8	6.3	7.5
		32	297.0	1425.6	4.8	1900.8	6.4	2376.0	8.0	9.6
		38	219.0	1248.3	5.7	1664.4	7.6	2080.5	9.5	11.0
		44	187.0	1234.2	6.6	1645.6	8.8	2057.0	11.0	13.0
25	12.5	51	156.0	1193.4	7.7	1591.2	10.2	1989.0	12.8	15.0
		64	123.0	1180.8	9.6	1574.4	12.8	1968.0	16.0	19.0
		76	99.0	1128.6	11.4	1504.8	15.2	1881.0	19.0	23.0
		89	84.0	1121.4	13.4	1495.2	17.8	1869.0	22.3	27.0
		102	73.0	1116.9	15.3	1489.2	20.4	1861.5	25.5	31.0
		115	65.0	1121.3	17.3	1495.0	23.0	1868.8	28.8	35.0
		127	57.7	1099.2	19.1	1465.6	25.4	1832.0	31.8	38.0
		139	52.7	1098.8	20.9	1465.1	27.8	1831.3	34.8	42.0
		152	47.8	1089.8	22.8	1453.1	30.4	1816.4	38.0	46.0
		178	41.0	1094.7	26.7	1459.6	35.6	1824.5	44.5	53.0
		203	35.8	1090.1	30.5	1453.5	40.6	1816.9	50.8	61.0
		305	22.9	1047.7	45.8	1396.9	61.0	1746.1	76.3	91.0

Heay Duty Die Springs Iso Specification Series Metric Dimensions Red

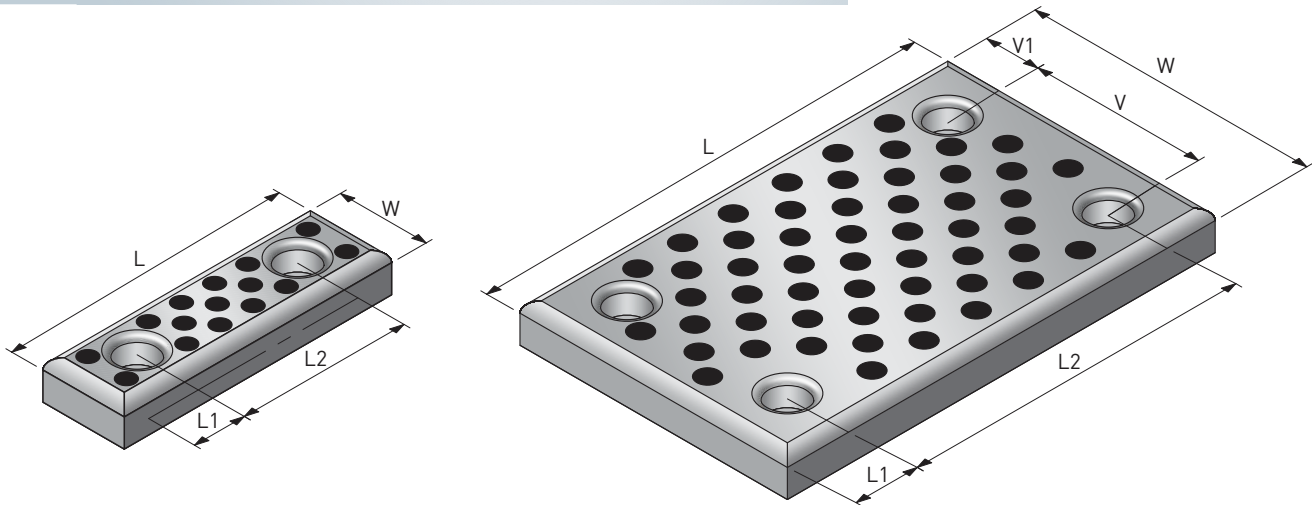
Holo Dia (mm)	Rod Dia (mm)	Free Length (mm)	Load 1mm Def (N)	LOAD DEFLECTION TABLE						
				For Optimum Life (15% of Free Length)		For Optimum Life (20% of Free Length)		For Optimum Life (25% of Free Length)		Maximum Deflection
				Load (N)	Deflection (mm)	Load (N)	Deflection (mm)	Load (N)	Deflection (mm)	Deflection (mm)
32	16	38	388.0	2211.6	5.7	2948.8	7.9	3686.0	9.5	11.0
		44	324.0	2138.4	6.6	2851.2	8.8	3564.0	11.0	13.0
		51	272.0	2080.8	7.7	2774.4	10.2	3468.0	12.8	15.0
		64	212.0	2035.2	9.6	2713.6	12.8	3392.0	16.0	19.0
		76	172.0	1960.8	11.4	2614.4	15.2	3268.0	19.0	23.0
		89	141.0	1882.4	13.4	2509.8	17.8	3137.0	22.3	27.0
		102	122.0	1866.6	15.3	2488.8	20.4	3111.0	25.5	31.0
		115	107.0	1845.8	17.3	2461.0	23.0	3076.3	28.8	35.0
		127	93.0	1771.7	19.1	2362.2	25.4	2952.8	31.8	38.0
		139	86.0	1793.1	20.9	2390.8	27.8	2988.5	34.8	42.0
		152	78.0	1778.4	22.8	2371.2	30.4	2964.0	38.0	46.0
		178	67.2	1794.2	26.7	2392.3	35.6	2990.4	44.5	53.0
		203	59.1	1799.6	30.5	2399.5	40.6	2999.3	50.8	61.0
		254	46.4	1767.8	38.1	2357.1	50.8	2946.4	63.5	76.0
		305	38.0	1738.5	45.8	2318.0	61.0	2897.5	76.3	91.0
40	20	51	350.0	2677.5	7.7	3570.0	10.2	4462.5	12.8	15.0
		64	269.0	2582.4	9.6	3443.2	12.8	4304.0	16.0	19.0
		76	219.0	2496.6	11.4	3328.8	15.2	4161.0	19.0	23.0
		89	190.0	2536.5	13.4	3382.0	17.8	4227.5	22.3	27.0
		102	163.0	2493.9	15.3	3325.2	20.4	4156.5	25.5	31.0
		115	142.0	2449.5	17.3	3266.0	23.0	4082.5	28.8	35.0
		127	128.0	2438.4	19.1	3251.2	25.4	4064.0	31.8	38.0
		139	115.0	2397.8	20.9	3194.0	27.8	3996.3	34.8	42.0
		152	105.0	2394.0	22.8	3192.0	30.4	3990.0	38.0	46.0
		178	89.0	2376.3	26.7	3168.4	35.6	3960.5	44.5	53.0
		203	77.0	2344.7	30.5	3126.2	40.6	3907.8	50.8	61.0
		254	61.0	2324.1	38.1	3098.8	50.8	3873.5	63.5	76.0
		305	51.0	2333.3	45.8	3111.0	61.0	3888.8	76.3	91.0
50	25	64	413.0	2964.8	9.6	5286.4	12.8	6608.0	16.0	19.0
		76	339.0	3864.6	11.4	5152.8	15.2	6441.0	19.0	23.0
		89	228.0	3844.8	13.4	5126.4	17.8	6408.0	22.3	27.0
		102	245.0	3748.5	15.3	4998.0	20.4	6247.5	25.5	31.0
		115	215.0	3708.8	17.3	4945.0	23.0	6181.3	28.8	35.0
		127	192.0	3657.6	19.1	4876.8	25.4	6096.0	31.8	38.0
		139	168.0	3502.8	20.9	4670.4	27.8	5838.0	34.8	42.0
		152	154.0	3511.2	22.8	4681.6	30.4	5852.0	38.0	46.0
		178	134.0	3577.8	26.7	4770.4	35.6	5963.0	44.5	53.0
		203	117.0	3562.7	30.5	4750.2	40.6	5937.8	50.8	61.0
		254	89.0	3390.9	38.1	4521.2	50.8	5651.5	63.5	76.0
		305	73.0	3339.8	45.8	4453.0	61.0	5566.3	76.3	91.0

SLIDING PADS



Sliding Pads Cast Iron With Non-Liquid Lubricant

ویر پلیت چدنی



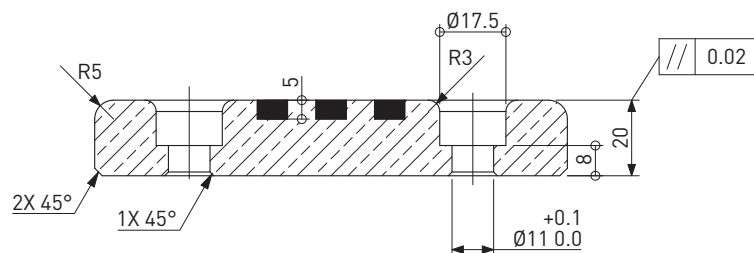
Ordering Code: WP/L*W/1

Ordering Code Example: WP/75*28/1

Hardness: 160-200 HB

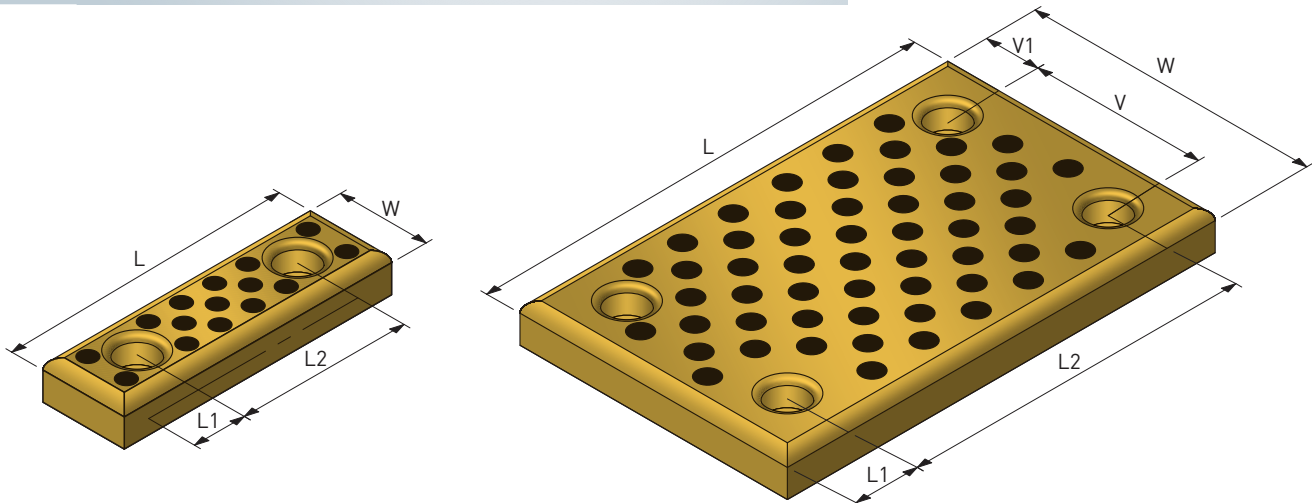
Material: Cast Iron

Model	W	L	L1	L2	V	V1
WP/75*28/2	28	75	15	45	-	-
WP/100*28/2		100	25	50		
WP/150*28/2		150		100		
WP/75*38/2	38	75	15	45		
WP/100*38/2		100	25	50		
WP/150*38/2		150		100		
WP/75*48/2	48	75	15	45		
WP/100*48/2		100	25	50		
WP/125*48/2		125		75		
WP/150*48/2		150		100		
WP/200*48/2	58	200		150		
WP/75*58/2		75	15	45		
WP/100*58/2		100	25	50		
WP/150*58/2		150		100		
WP/75*75/2	75	75		25		
WP/100*75/2		100		50		
WP/125*75/2		125		75		
WP/150*75/2		150		100		
WP/200*75/2	100	200		150	50	25
WP/100*100/2		100		50		
WP/125*100/2		125		75		
WP/150*100/2		150		100		
WP/200*100/2	125	200		150		
WP/250*100/2		250		200		
WP/300*100/2		300	50			37.5
WP/125*125/2		125	25	75		
WP/150*125/2	150	150		100		
WP/200*125/2		200		150		
WP/250*125/2		250		200		
WP/300*125/2		300	50			
WP/350*125/2	150	350	75			
WP/150*150/2		150	25	100	100	25
WP/200*150/2		200		150		
WP/250*150/2		250		200		



Sliding Pads Bronze With Non-Liquid Lubricant

ویر پلیت برنزی



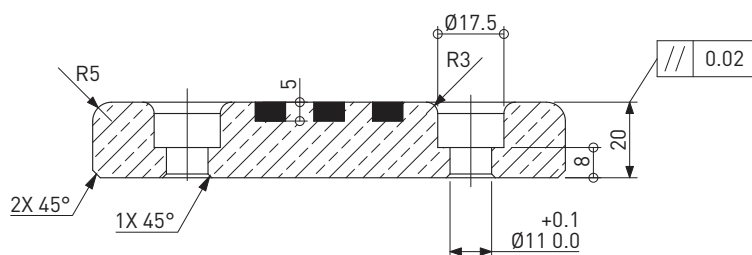
Ordering Code: WP/L*W/2

Ordering Code Example: WP/75*28/1

Hardness: 160-200 HB

Material: Bronze

Model	W	L	L1	L2	V	V1
WP/75*28/1	28	75	15	45	-	-
WP/100*28/1		100	25	50		
WP/150*28/1		150		100		
WP/75*38/1	38	75	15	45		
WP/100*38/1		100	25	50		
WP/150*38/1		150		100		
WP/75*48/1	48	75	15	45		
WP/100*48/1		100	25	50		
WP/125*48/1		125		75		
WP/150*48/1		150		100		
WP/200*48/1	58	200		150		
WP/75*58/1		75	15	45		
WP/100*58/1		100	25	50		
WP/150*58/1		150		100		
WP/75*75/1	75	75		25	50	25
WP/100*75/1		100		50		
WP/125*75/1		125		75		
WP/150*75/1		150		100		
WP/200*75/1	100	200		150		
WP/100*100/1		100		50		
WP/125*100/1		125		75		
WP/150*100/1		150		100		
WP/200*100/1	125	200		150		
WP/250*100/1		250		200		
WP/300*100/1		300	50			37.5
WP/125*125/1		125	25	75		
WP/150*125/1	150	150		100		
WP/200*125/1		200		150		
WP/250*125/1		250		200		
WP/300*125/1		300	50		100	25
WP/350*125/1	150	350	75			
WP/150*150/1		150	25	100		
WP/200*150/1		200		150		
WP/250*150/1		250		200		

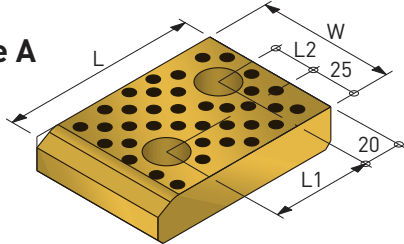


Sliding Pads Bronze With Non-Liquid Lubricant

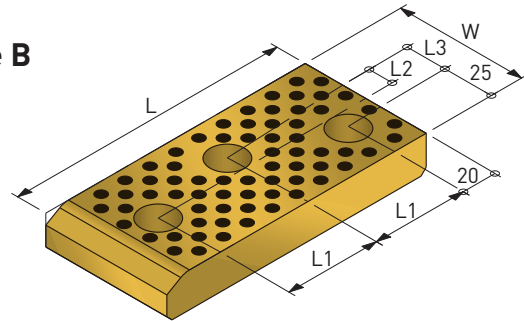
ویر پلیت برنزی



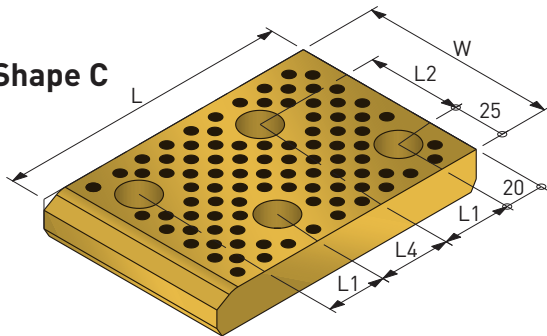
Shape A



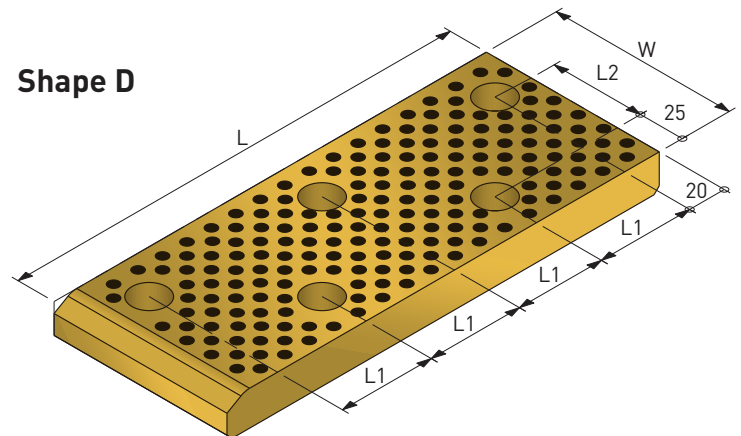
Shape B



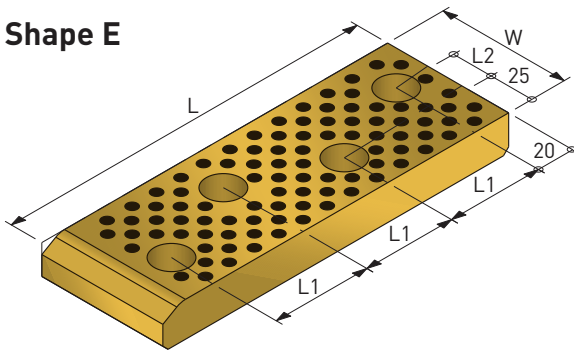
Shape C



Shape D

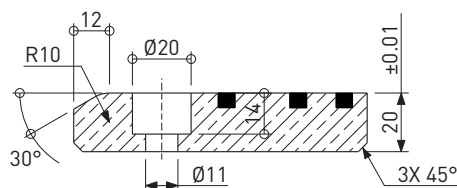


Shape E



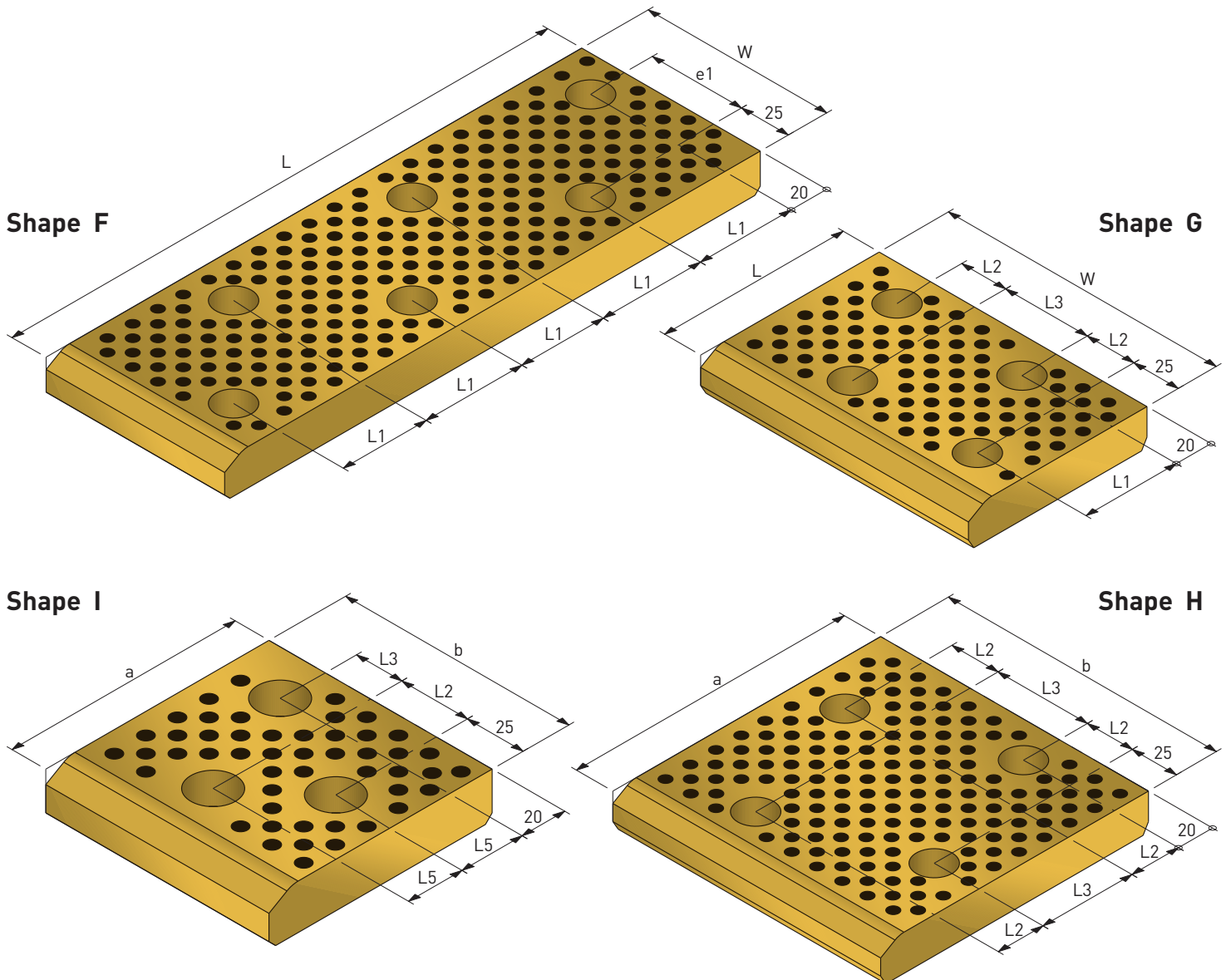
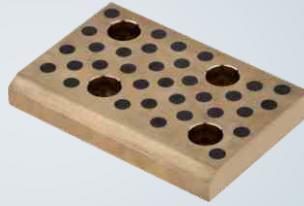
Ordering Code: WP/D/74/W*L Ordering Code Example: WP/D/74/100*150 Hardness: 160-200 HB Material: Bronze with non-liquid lubricant

Model	Shape	W	L	L1	L2	L3	L4
WP/D/74/70*100	A	70	100	50	20	-	-
WP/D/74/70*150	B		150	-	10	20	-
WP/D/74/70*200	D		200	-	20	-	-
WP/D/74/100*150	C	100	150	25	50	-	50
WP/D/74/100*200	D		200	50		-	-
WP/D/74/100*250	E		250	-		-	-
WP/D/74/150*200	D	150	200	-	100	-	-
WP/D/74/150*250	E		250	-		-	-

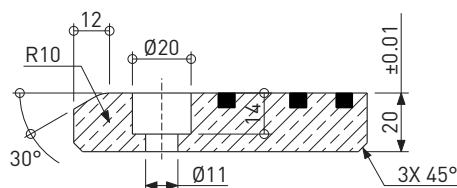


Sliding Pads Bronze With Non-Liquid Lubricant

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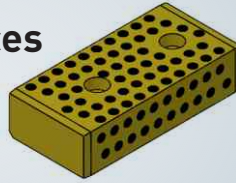


Ordering Code: WP/P/W*L		Ordering Code Example: WP/P/150*100		Hardness: 160-200 HB		Material: Bronze with non-liquid lubricant		
Model	Shape	W	L	L1	L2	L3	L4	L5
WP/P/100*100	I	100	100	-	30	20	-	25
WP/P/100*300	F		300	50	50	-	-	-
WP/P/150*100	G	150	100	-	25	50	50	-
WP/P/150*150	H		150	-	-	-	-	-
WP/P/150*300	F		300	50	100	-	-	-
WP/P/200*100	G	200	100	-	c2	50	50	-

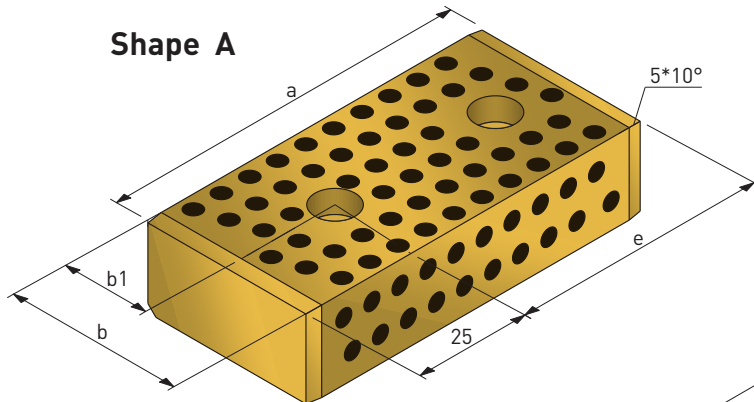


Guide Bars, With Two Sliding Surfaces Bronze With Non-Liquid Lubricant

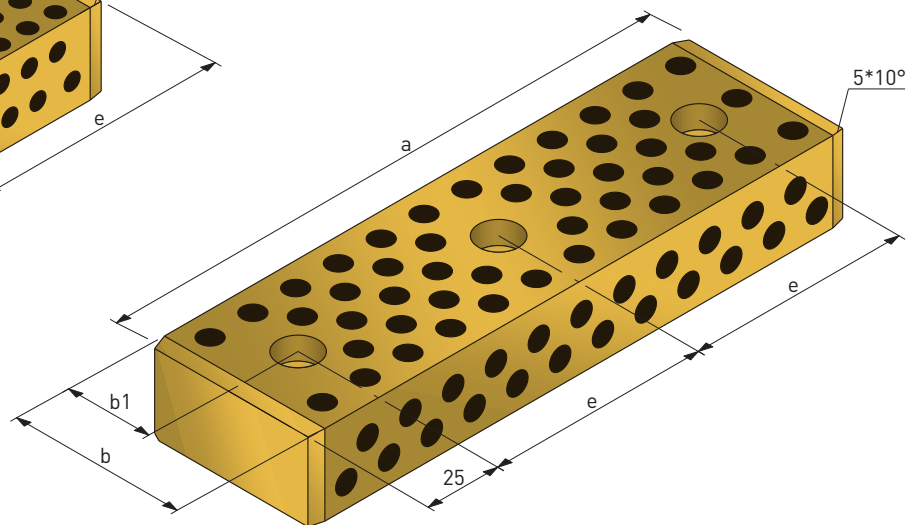
ویر پلیت برنزی



Shape A

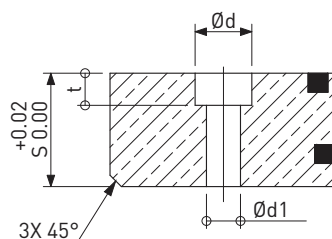


Shape B



Ordering Code: WP/TS/b*s*a Ordering Code Example: WP/TS/25*12*110 Hardness: 160-200 HB Material: Bronze with non-liquid lubricant

Model	Shape	a	b	s	b1	e	d	d1	t
WP/TS/25*12*110	A	110	25	12	12.5	60	15	9	8.5
WP/TS/25*12*120		120				70			
WP/TS/25*15*110		110		15		60	18	11	10.5
WP/TS/25*15*120		120				70			
WP/TS/60*30*125		125	60	30	30	75	20	13.5	13
WP/TS/60*30*150		150				100			
WP/TS/60*30*160		160				110			
WP/TS/60*30*200		B				200			
WP/TS/60*40*125	A	125		40		100			
WP/TS/60*40*150		150				110			
WP/TS/60*40*160		160				75			
WP/TS/60*40*200		B				200			

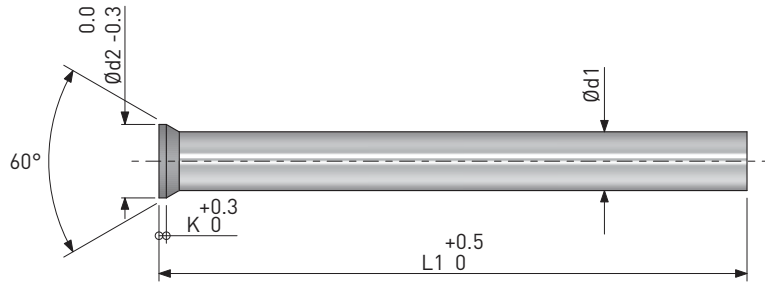


EJECTOR PIN



Ejector Pin

میل پیران



Ordering Code: SP/S/Ød1*L1

Ordering Code Example: SP/S/1*80

Material: ck75

Deep Hardness: 55 + 2 HRC

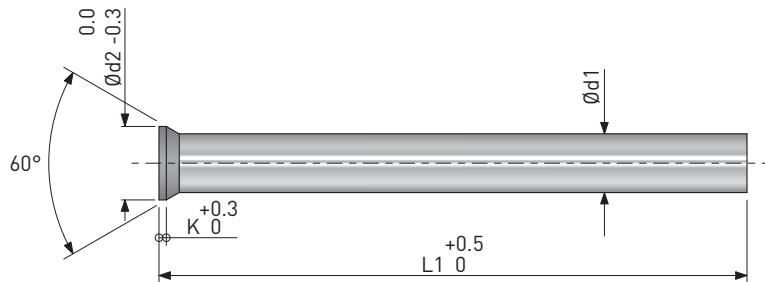
Model	Ød1	Ød2	L1	K
SP/S/1*80	1	1.8	80	1
SP/S/1*100			100	
SP/S/1*125			125	
SP/S/1.5*80	1.5	2.2	80	
SP/S/1.5*100			100	
SP/S/1.5*125			125	
SP/S/2*80	2	3	80	
SP/S/2*100			100	
SP/S/2*125			125	
SP/S/2*160			160	
SP/S/2.5*80	2.5	3.5	80	
SP/S/2.5*100			100	
SP/S/2.5*125			125	
SP/S/2.5*160			160	
SP/S/2.5*200			200	
SP/S/3*80	3	4.5	80	
SP/S/3*100			100	
SP/S/3*125			125	
SP/S/3*160			160	
SP/S/3*200			200	
SP/S/3.5*80	3.5	5	80	
SP/S/3.5*100			100	
SP/S/3.5*125			125	
SP/S/3.5*160			160	
SP/S/3.5*200			200	
SP/S/4*80	4	5.5	80	
SP/S/4*100			100	
SP/S/4*125			125	
SP/S/4*160			160	
SP/S/4*200			200	
SP/S/4.5*80	4.5	6	80	
SP/S/4.5*100			100	
SP/S/4.5*125			125	
SP/S/4.5*160			160	
SP/S/4.5*200			200	
SP/S/5*80	5	6.5	80	
SP/S/5*100			100	
SP/S/5*125			125	
SP/S/5*160			160	
SP/S/5*200			200	
SP/S/5.5*80	5.5	7	80	
SP/S/5.5*100			100	
SP/S/5.5*125			125	
SP/S/5.5*160			160	
SP/S/5.5*200			200	
SP/S/6*80	6	8	80	
SP/S/6*100			100	
SP/S/6*125			125	
SP/S/6*160			160	
SP/S/6*200			200	
SP/S/6.5*80	6.5	9	80	
SP/S/6.5*100			100	
SP/S/6.5*125			125	
SP/S/6.5*160			160	
SP/S/6.5*200			200	
SP/S/7*80	7		80	
SP/S/7*100			100	

Model	Ød1	Ød2	L1	K
SP/S/7*125	7	9	125	1
SP/S/7*160			160	
SP/S/7*200			200	
SP/S/7.5*80	7.5	10	80	
SP/S/7.5*100			100	
SP/S/7.5*125			125	
SP/S/7.5*160			160	
SP/S/7.5*200			200	
SP/S/8*80	8		80	
SP/S/8*100			100	
SP/S/8*125			125	
SP/S/8*160			160	
SP/S/8*200			200	
SP/S/8*250			250	
SP/S/8.5*315			315	
SP/S/8.5*80	8.5	11	80	
SP/S/8.5*100			100	
SP/S/8.5*125			125	
SP/S/8.5*160			160	
SP/S/8.5*200			200	
SP/S/8.5*250			250	
SP/S/8.5*315			315	
SP/S/9*80	9		80	
SP/S/9*100			100	
SP/S/9*125			125	
SP/S/9*160			160	
SP/S/9*200			200	
SP/S/9*250			250	
SP/S/9*315			315	
SP/S/9.5*80	9.5	12	80	
SP/S/9.5*100			100	
SP/S/9.5*125			125	
SP/S/9.5*160			160	
SP/S/9.5*200			200	
SP/S/9.5*250			250	
SP/S/9.5*315			315	
SP/S/10*80	10		80	1.5
SP/S/10*100			100	
SP/S/10*125			125	
SP/S/10*160			160	
SP/S/10*200			200	
SP/S/10*250			250	
SP/S/10*315			315	
SP/S/10.5*80	10.5		80	
SP/S/10.5*100			100	
SP/S/10.5*125			125	
SP/S/10.5*160			160	
SP/S/10.5*200			200	
SP/S/10.5*250			250	
SP/S/10.5*315			315	
SP/S/11*80	11	13	80	
SP/S/11*100			100	
SP/S/11*125			125	
SP/S/11*160			160	
SP/S/11*200			200	
SP/S/11*250			250	
SP/S/11*315			315	

Model	Ød1	Ød2	L1	K
SP/S/11.5*80	11.5	13	80	1.5
SP/S/11.5*100			100	
SP/S/11.5*125			125	
SP/S/11.5*160			160	
SP/S/11.5*200			200	
SP/S/11.5*250			250	
SP/S/11.5*315			315	
SP/S/12*80	12	14	80	
SP/S/12*100			100	
SP/S/12*125			125	
SP/S/12*160			160	
SP/S/12*200			200	
SP/S/12*250			250	
SP/S/12*315			315	
SP/S/12.5*80	12.5	15	80	
SP/S/12.5*100			100	
SP/S/12.5*125			125	
SP/S/12.5*160			160	
SP/S/12.5*200			200	
SP/S/12.5*250			250	
SP/S/12.5*315			315	
SP/S/13*80	13		80	
SP/S/13*100			100	
SP/S/13*125			125	
SP/S/13*160			160	
SP/S/13*200			200	
SP/S/13*250			250	
SP/S/13*315			315	
SP/S/14*80	14	16	80	
SP/S/14*100			100	
SP/S/14*125			125	
SP/S/14*160			160	
SP/S/14*200			200	
SP/S/14*250			250	
SP/S/14*315			315	
SP/S/16*80	16	18	80	
SP/S/16*100			100	
SP/S/16*125			125	
SP/S/16*160			160	
SP/S/16*200			200	
SP/S/16*250			250	
SP/S/16*315			315	
SP/S/18*80	18	20	80	
SP/S/18*100			100	
SP/S/18*125			125	
SP/S/18*160			160	
SP/S/18*200			200	
SP/S/18*250			250	
SP/S/18*315			315	
SP/S/20*80	20	22	80	
SP/S/20*100			100	
SP/S/20*125			125	
SP/S/20*160			160	
SP/S/20*200			200	
SP/S/20*250			250	
SP/S/20*315			315	

Punch Pin

سنه برشی



Ordering Code: SB/W/Ød1*L1

Ordering Code Example: SB/W/2*71

Material: 1.2210

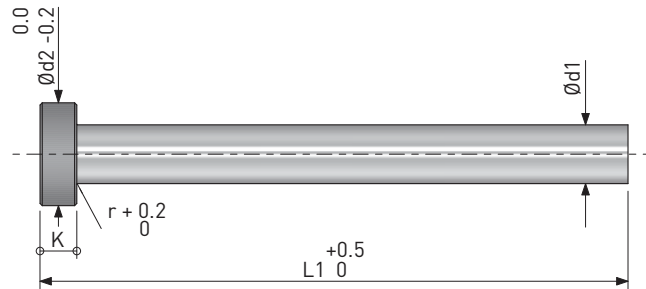
Deep Hardness: 58 + 2 HRC

Model	Ød1	Ød2	L1	K
SB/W/2*71	2	3	71	1
SB/W/2*80			80	
SB/W/2.5*71	2.5	3.5	71	
SB/W/2.5*80			80	
SB/W/3*71	3	4.5	71	
SB/W/3*80			80	
SB/W/3.5*71	3.5	5	71	
SB/W/3.5*80			80	
SB/W/4*71	4	5.5	71	
SB/W/4*80			80	
SB/W/4.5*71	4.5	6	71	
SB/W/4.5*80			80	
SB/W/4.5*100			100	
SB/W/5*71	5	6.5	71	
SB/W/5*80			80	
SB/W/5*100			100	
SB/W/5.5*71	5.5	7	71	
SB/W/5.5*80			80	
SB/W/5.5*100			100	
SB/W/6*71	6	8	71	
SB/W/6*80			80	
SB/W/6*100			100	
SB/W/6.5*71	6.5	9	71	
SB/W/6.5*80			80	
SB/W/6.5*100			100	
SB/W/7*71	7		71	
SB/W/7*80			80	
SB/W/7*100			100	
SB/W/7.5*71	7.5	10	71	
SB/W/7.5*80			80	
SB/W/7.5*100			100	
SB/W/8*71	8		71	
SB/W/8*80			80	
SB/W/8*100			100	
SB/W/8.5*71	8.5	11	71	
SB/W/8.5*80			80	
SB/W/8.5*100			100	
SB/W/9*71	9		71	
SB/W/9*80			80	
SB/W/9*100			100	

Model	Ød1	Ød2	L1	K
SB/W/9.5*71	9.5	12	71	1
SB/W/9.5*80			80	
SB/W/9.5*100			100	
SB/W/10*71	10		71	1.5
SB/W/10*80			80	
SB/W/10*100			100	
SB/W/10.5*71	10.5		71	
SB/W/10.5*80			80	
SB/W/10.5*100			100	
SB/W/11*71	11	13	71	
SB/W/11*80			80	
SB/W/11*100			100	
SB/W/11.5*71	11.5		71	
SB/W/11.5*80			80	
SB/W/11.5*100			100	
SB/W/12*71	12	14	71	
SB/W/12*80			80	
SB/W/12*100			100	
SB/W/12.5*71	12.5	15	71	
SB/W/12.5*80			80	
SB/W/12.5*100			100	
SB/W/13*71	13		71	
SB/W/13*80			80	
SB/W/13*100			100	
SB/W/14*71	14	16	71	
SB/W/14*80			80	
SB/W/14*100			100	
SB/W/16*71	16	18	71	
SB/W/16*80			80	
SB/W/16*100			100	
SB/W/18*71	18	20	71	
SB/W/18*80			80	
SB/W/18*100			100	
SB/W/20*71	20	22	71	
SB/W/20*80			80	
SB/W/20*100			100	

Ejector Pin

سر استوانه میل پران



Ordering Code: SG/S/Ød1*L1

Ordering Code Example: SG/S/2*80

Material: ck75

Deep Hardness: 55 + 2 HRC

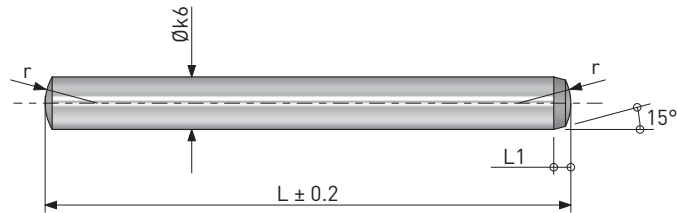
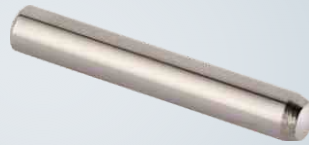
Model	Ød1	Ød2	L1	K
SG/S/2*80	2	4	80	2
SG/S/2*100			100	
SG/S/2*125			125	
SG/S/2*160			160	
SG/S/2*200			200	
SG/S/2*250			250	
SG/S/2.5*80	2.5	5	80	
SG/S/2.5*100			100	
SG/S/2.5*125			125	
SG/S/2.5*160			160	
SG/S/2.5*200			200	
SG/S/2.5*250			250	
SG/S/3*80	3	6	80	3
SG/S/3*100			100	
SG/S/3*125			125	
SG/S/3*160			160	
SG/S/3*200			200	
SG/S/3*250			250	
SG/S/3.5*80	3.5	7	80	
SG/S/3.5*100			100	
SG/S/3.5*125			125	
SG/S/3.5*160			160	
SG/S/3.5*200			200	
SG/S/3.5*250			250	
SG/S/4*80	4	8	80	
SG/S/4*100			100	
SG/S/4*125			125	
SG/S/4*160			160	
SG/S/4*200			200	
SG/S/4*250			250	
SG/S/4.5*80	4.5		80	
SG/S/4.5*100			100	
SG/S/4.5*125			125	
SG/S/4.5*160			160	
SG/S/4.5*200			200	
SG/S/4.5*250			250	
SG/S/5*80	5	10	80	
SG/S/5*100			100	
SG/S/5*125			125	
SG/S/5*160			160	
SG/S/5*200			200	
SG/S/5*250			250	
SG/S/5.5*80	5.5		80	
SG/S/5.5*100			100	
SG/S/5.5*125			125	
SG/S/5.5*160			160	
SG/S/5.5*200			200	
SG/S/5.5*250			250	
SG/S/6*80	6	12	80	5
SG/S/6*100			100	
SG/S/6*125			125	
SG/S/6*160			160	
SG/S/6*200			200	
SG/S/6*250			250	
SG/S/6.5*80	6.5		80	
SG/S/6.5*100			100	

Model	Ød1	Ød2	L1	K
SG/S/6.5*125	6.5	12	125	5
SG/S/6.5*160			160	
SG/S/6.5*200			200	
SG/S/6.5*250			250	
SG/S/7*80	7		80	
SG/S/7*100			100	
SG/S/7*125			125	
SG/S/7*160			160	
SG/S/7*200			200	
SG/S/7*250			250	
SG/S/8*80	8	14	80	
SG/S/8*100			100	
SG/S/8*125			125	
SG/S/8*160			160	
SG/S/8*200			200	
SG/S/8*250			250	
SG/S/8*315			315	
SG/S/8.5*80	8.5		80	
SG/S/8.5*100			100	
SG/S/8.5*125			125	
SG/S/8.5*160			160	
SG/S/8.5*200			200	
SG/S/8.5*250			250	
SG/S/8.5*315			315	
SG/S/8.5*400			400	
SG/S/8.5*500			500	
SG/S/9*80	9		80	
SG/S/9*100			100	
SG/S/9*125			125	
SG/S/9*160			160	
SG/S/9*200			200	
SG/S/9*250			250	
SG/S/9*315			315	
SG/S/9*400			400	
SG/S/9*500			500	
SG/S/10*80	10	16	80	
SG/S/10*100			100	
SG/S/10*125			125	
SG/S/10*160			160	
SG/S/10*200			200	
SG/S/10*250			250	
SG/S/10*315			315	
SG/S/10*400			400	
SG/S/10*500			500	
SG/S/10.5*80	10.5		80	
SG/S/10.5*100			100	
SG/S/10.5*125			125	
SG/S/10.5*160			160	
SG/S/10.5*200			200	
SG/S/10.5*250			250	
SG/S/10.5*315			315	
SG/S/10.5*400			400	
SG/S/10.5*500			500	
SG/S/11*80	11		80	
SG/S/11*100			100	
SG/S/11*125			125	
SG/S/11*160			160	

Model	Ød1	Ød2	L1	K
SG/S/11*200	11	16	200	5
SG/S/11*250			250	
SG/S/11*315			315	
SG/S/11*400			400	
SG/S/11*500			500	
SG/S/12*80	12	20	80	7
SG/S/12*100			100	
SG/S/12*125			125	
SG/S/12*160			160	
SG/S/12*200			200	
SG/S/12*250			250	
SG/S/12*315			315	
SG/S/12*400			400	
SG/S/12*500			500	
SG/S/12.5*80	12.5		80	
SG/S/12.5*100			100	
SG/S/12.5*125			125	
SG/S/12.5*160			160	
SG/S/12.5*200			200	
SG/S/12.5*250			250	
SG/S/12.5*315			315	
SG/S/12.5*400			400	
SG/S/12.5*500			500	
SG/S/14*80	14	22	80	
SG/S/14*100			100	
SG/S/14*125			125	
SG/S/14*160			160	
SG/S/14*200			200	
SG/S/14*250			250	
SG/S/14*315			315	
SG/S/14*400			400	
SG/S/14*500			500	
SG/S/16*80	16		80	
SG/S/16*100			100	
SG/S/16*125			125	
SG/S/16*160			160	
SG/S/16*200			200	
SG/S/16*250			250	
SG/S/16*315			315	
SG/S/16*400			400	
SG/S/16*500			500	
SG/S/16*630			630	
SG/S/18*160	18	24	160	
SG/S/18*200			200	
SG/S/18*250			250	
SG/S/18*315			315	
SG/S/18*400			400	
SG/S/18*500			500	
SG/S/18*630			630	
SG/S/20*160	20	26	160	8
SG/S/20*200			200	
SG/S/20*250			250	
SG/S/20*315			315	
SG/S/20*400			400	
SG/S/20*500			500	
SG/S/20*630			630	

Dowel Pin

پین



Ordering Code: DP/Ød*L

Ordering Code Example: DP/4*30

Material: ck75

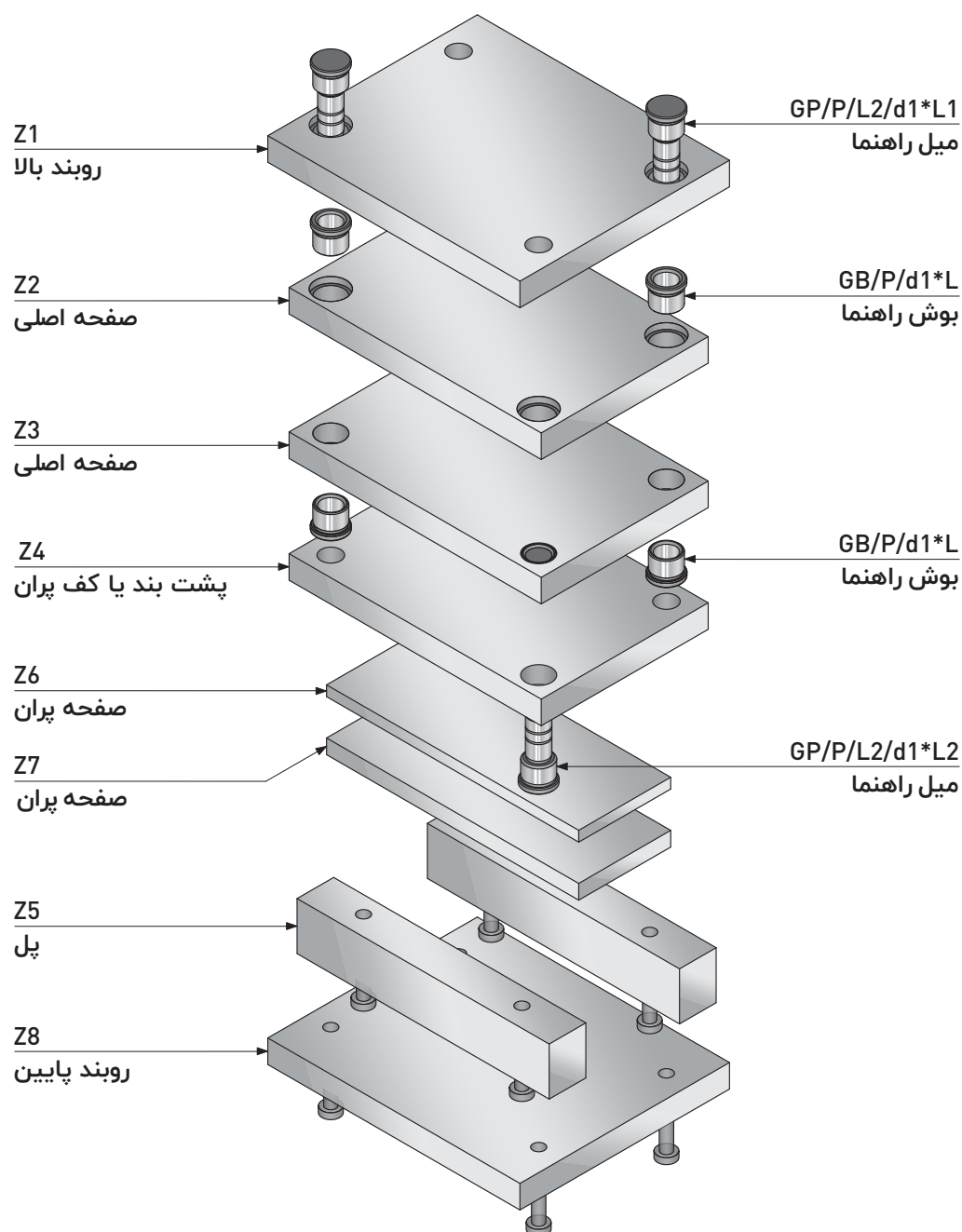
Deep Hardness: 56 ± 2 HRC

Model	Ød	L	L1	r
DP/4*30	4	30	1.7	4
DP/4*40		40		
DP/4*50		50		
DP/4*60		60		
DP/6*30	6	30	2.1	6
DP/6*40		40		
DP/6*50		50		
DP/6*60		60		
DP/8*30	8	30	2.6	8
DP/8*40		40		
DP/8*50		50		
DP/8*60		60		
DP/8*70		70		
DP/8*80	10	80	3	10
DP/10*30		30		
DP/10*40		40		
DP/10*50		50		
DP/10*60		60		
DP/10*70		70		
DP/10*80		80		
DP/10*90	12	90	3.8	12
DP/10*100		100		
DP/12*40		40		
DP/12*50		50		
DP/12*60		60		
DP/12*70		70		
DP/12*80		80		
DP/12*90		90		
DP/12*100		100		



MOULD BASES





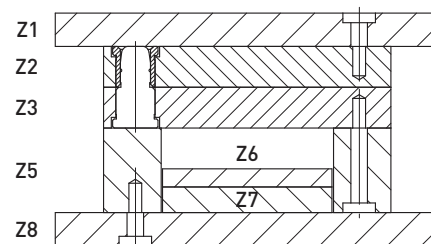
Ordering Code: P/ X*Y / S1*S2*H*K*T*D/ Material / 1 Or 2 Or 3 Or 4 Or 5

Z2 ضخامت
Z3 ضخامت
Z4 ضخامت
Z8 ضخامت
Z1 ضخامت
Z5 ضخامت

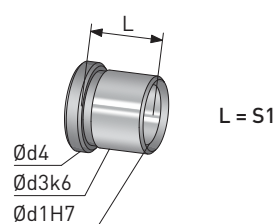
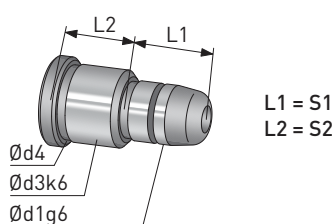
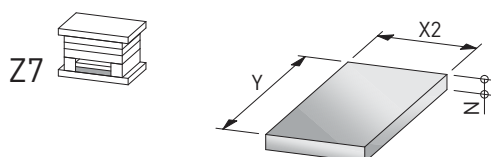
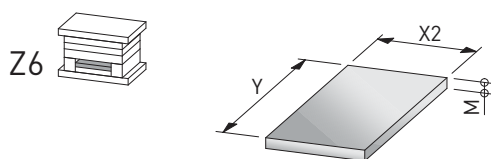
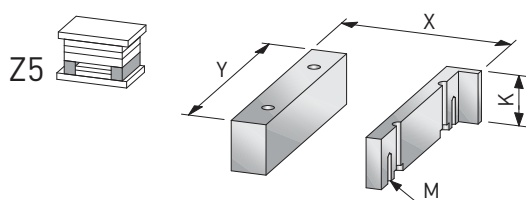
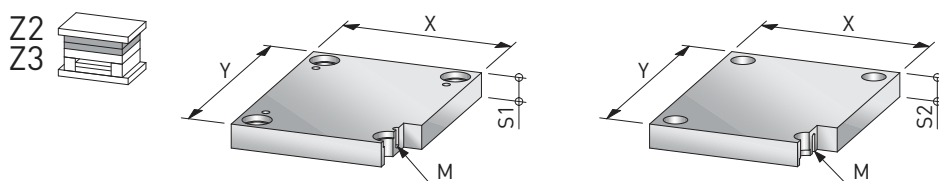
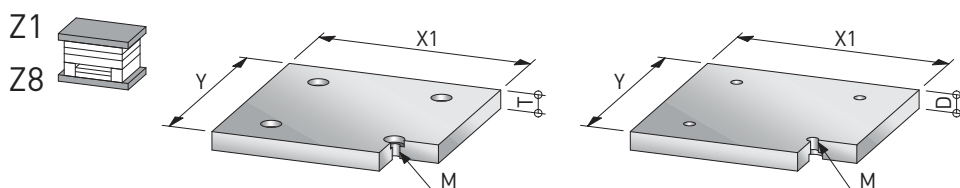
/ 1

یک صفحه متحرک بدون پشت بند

Ordering Code: P/X*Y/S1*S2*K*T*D/ Material / 1



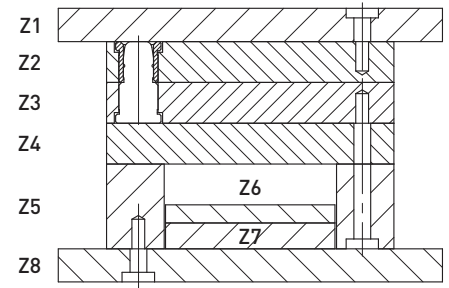
Tolerance Thickness: +0.2



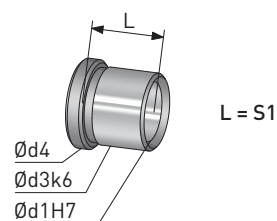
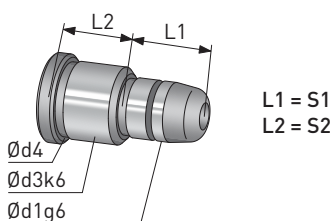
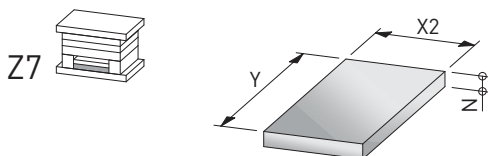
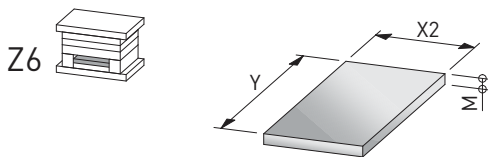
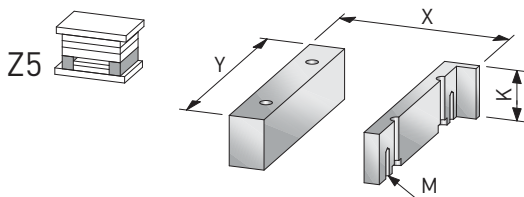
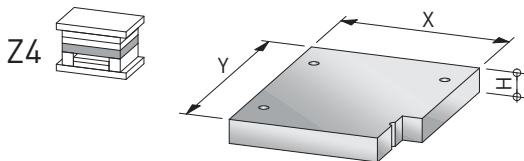
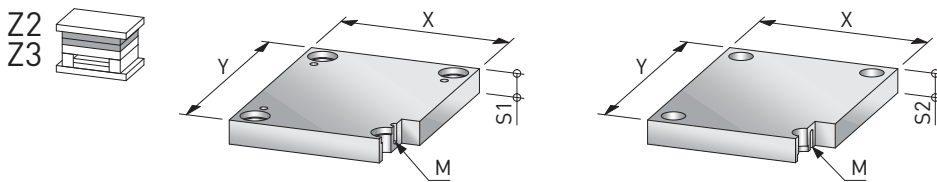
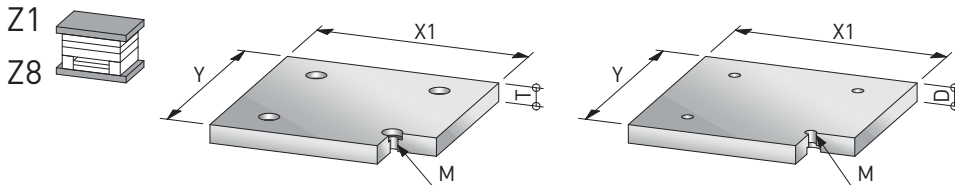
/ 2

یک صفحه متحرک با پشت بند

Ordering Code: P/X*Y/S1*S2*H*K*T*D/ Material / 2



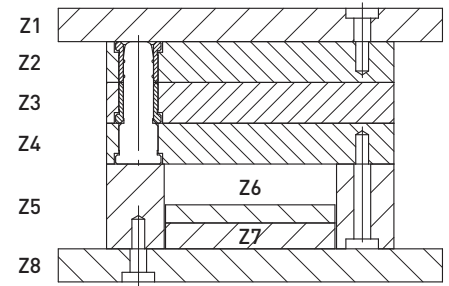
Tolerance Thickness: +0.2



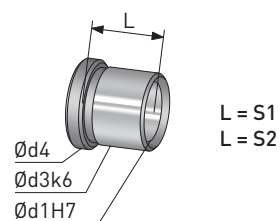
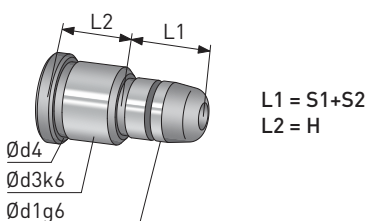
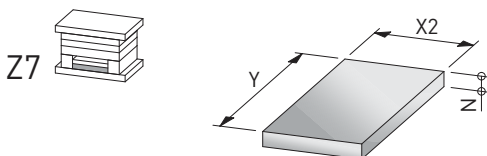
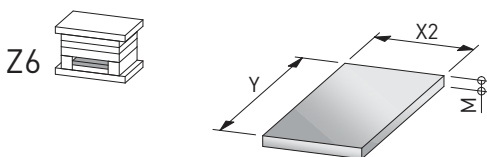
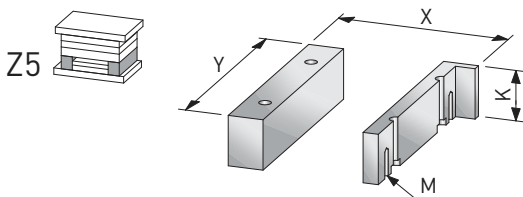
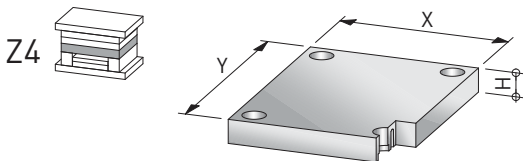
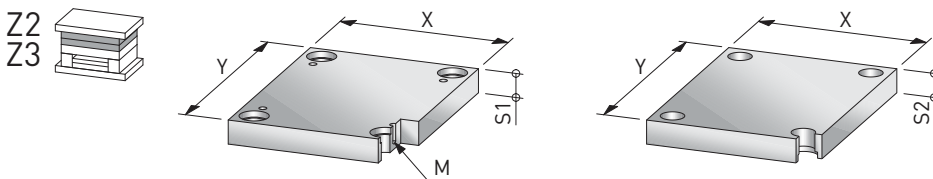
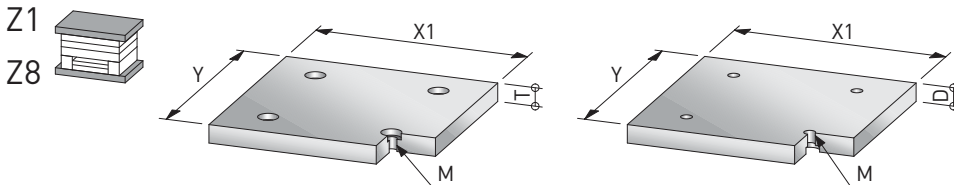
/ 3

یک صفحه متحرک با پشت بند

Ordering Code: P/X*Y/S1*S2*H*K*T*D/ Material / 3



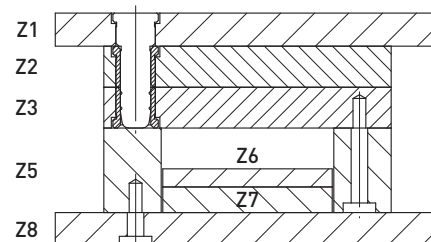
Tolerance Thickness: +0.2



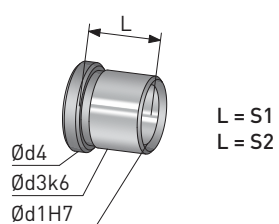
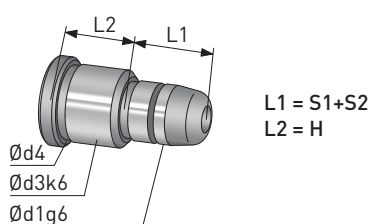
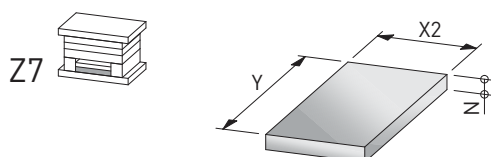
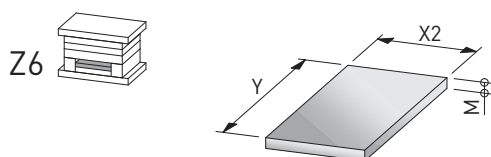
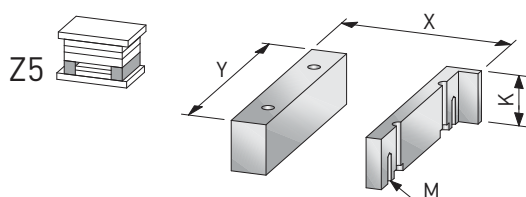
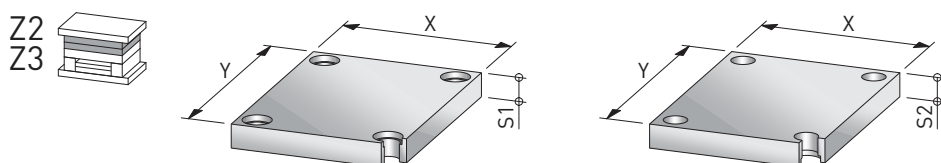
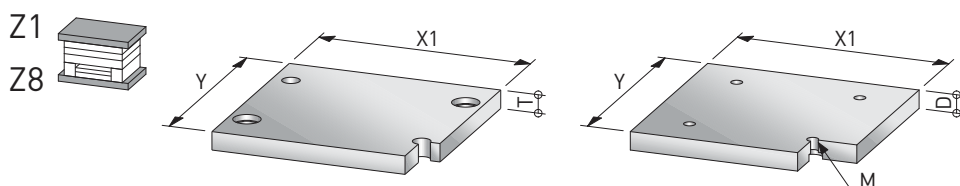
/ 4

راه گاه سوزنی

Ordering Code: P/X*Y/S1*S2*K*T*D/ Material / 4

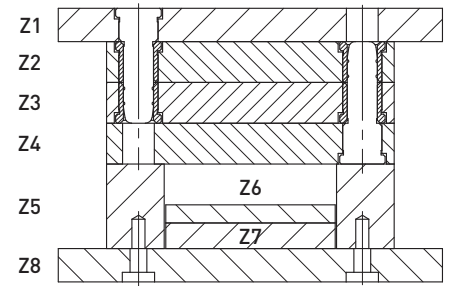


Tolerance Thickness: +0.2

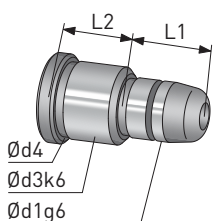
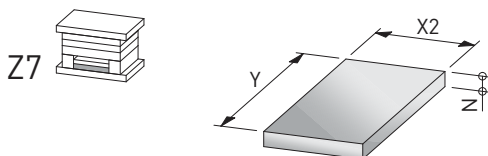
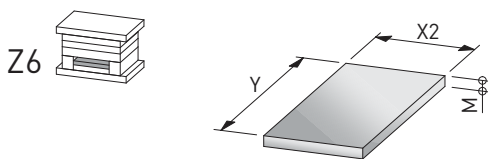
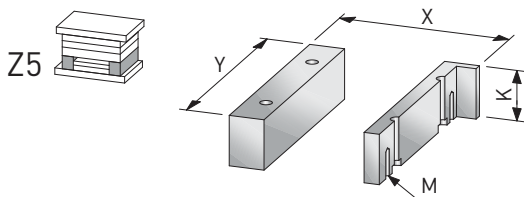
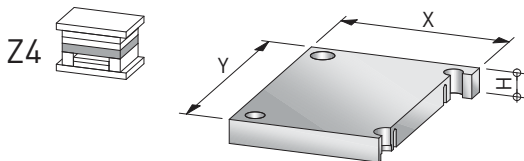
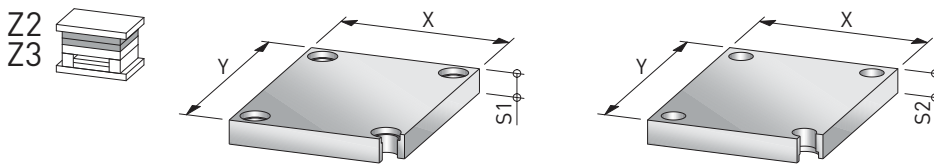
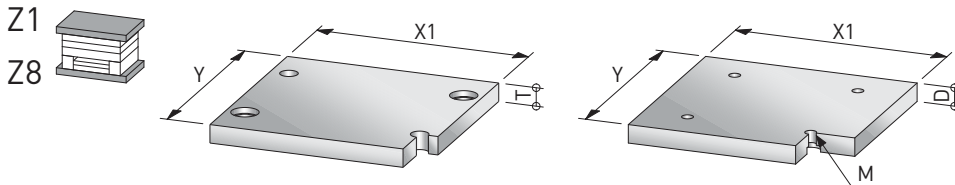


/ 5
مخلوطی

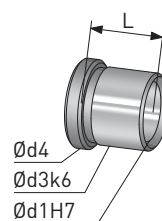
Ordering Code: P/X*Y/S1*S2*H*K*T*D/ Material / 5



Tolerance Thickness: +0.2



$L1 = S1 + S2$
 $L2 = T$



$L = S1$
 $L = S2$

Material No.:	1.2312
Designation	Din: 40 CrMnMoS 86 AFNOR: 40 CMD 8.S UNI: - AISI: P20 +S

TechnicalTip

- for increased surface quality requirements use material grade 1.2311.

Indicatory analysis:	C 0.40 Si 0.40 Mn 1.50 Cr 1.90 Mo 0.20 S 0.06
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Strength: ~ 1080 N/mm²

Thermal conductivity at 100 °C: 35 $\frac{W}{mK}$

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

Application: plates for mould tools and dies with increased requirements on strength;
high-tensile machine parts

Treatment by Polishing:
technical polishing possible; for higher surface requirements we recommend 1.2311 or 1.2738
Etching: } not recommended
EDM: }
Nitriding:
increases the steel's wear resistance

Heat treatment: already pre-toughened, usually no heat treatment required

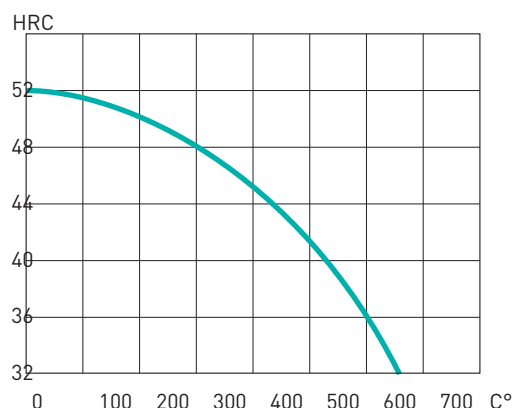
Nitriding:
before nitriding, stress-relief annealing at 580 °C
(Meusburger standard) is recommended

Hardening:
840 to 860 °C

Cooling:
to 180 °C/220 °C in oil/hot bath
obtainable hardness: **52 HRC**

Tempering:
slow heating to tempering temperature immediately after hardening;
minimum time in furnace: 1 hour per 25 mm part thickness.

Tempering chart:



Material No.: 1.7225

Designation Din: 42 CrMnMo 4
AFNOR: 42 CD 4
UNI: 42 CrMnMo 4
AISI: 4140

Indicator analysis:

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

Strength: ~ 720 N/mm²

Tensile strength: heat treated max. 720 N/mm²

Thermal conductivity at 20 °C: 42.6 $\frac{W}{mK}$

Character: alloyed and pre-toughened steel with high resistance and high toughness; universally useable in engineering

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

Treatment by

Nitriding:	suitable
Welding:	not recommended
EDM:	suitable for EDM
Coating:	suitable

Heat treatment:

Normalizing:
840 to 880 °C afterwards air cooling
some components need tempering afterwards

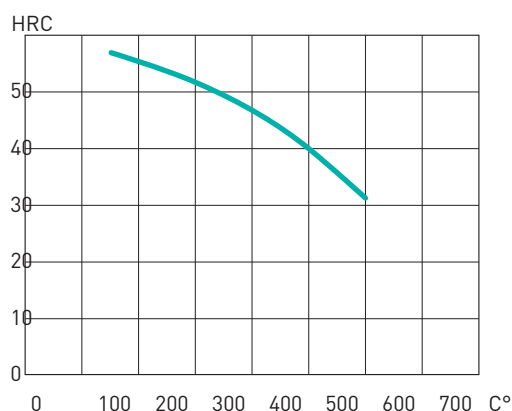
Annealing:
680 to 720 °C, about 2 to 5 hours
slow controlled cooling of 10 to 20 °C per hour to about 600 °C
then further cooling in air. Maximum 217 HB

Toughening:
max. 1.600 N/mm²

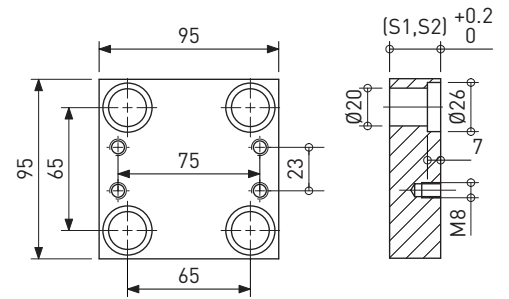
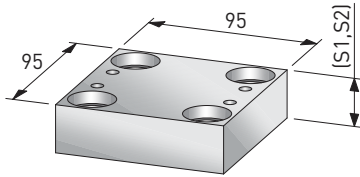
Hardening:
820 to 880 °C
quenching in oil or water
oil hardening for thin and complex,
water hardening for large and simple components
obtainable hardness: 53–61 HRC

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

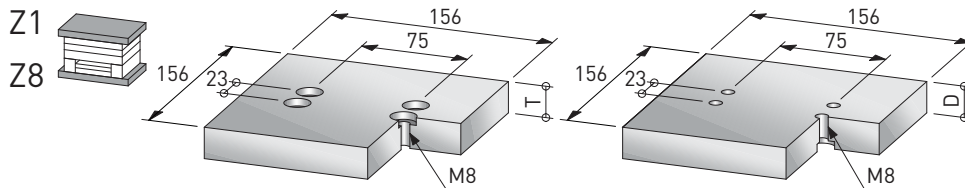
Tempering chart:



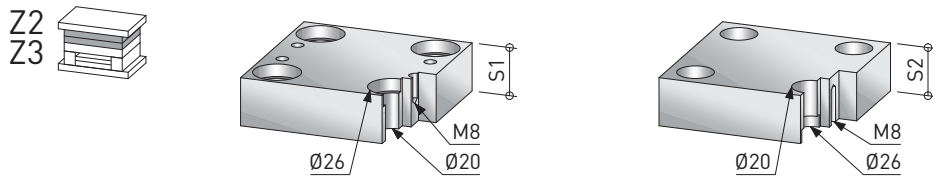
095×095



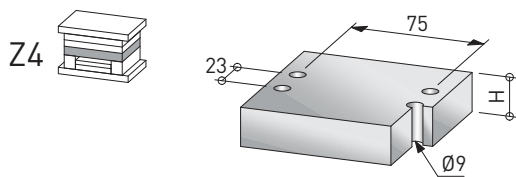
Tolerance Thickness: +0.2



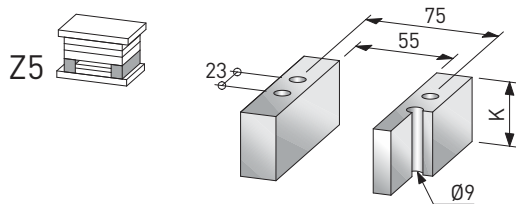
Z1, Z8/Y*X	T, D	ST-37	ST-52	1.1730	1.2312	1.7225
	22	●	●	●	●	●



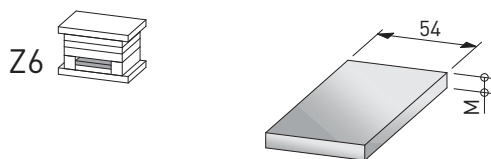
Z2, Z3/Y*X	S1, S2	ST-37	ST-52	1.1730	1.2312	1.7225
	22		●	●	●	●
	27		●	●	●	●
	36		●	●	●	●
	46		●	●	●	●
	56		●	●	●	●



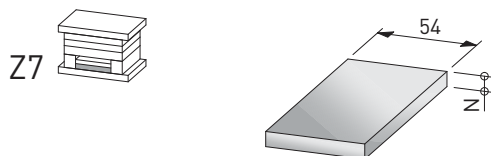
Z4/Y*X	H	ST-37	ST-52	1.1730	1.2312	1.7225
	22	●	●	●	●	●



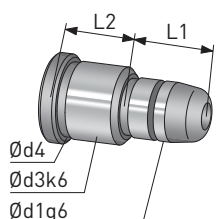
Z5/Y*X	K	ST-37	ST-52	1.1730	1.2312	1.7225
	27	●	●			
	36	●	●			
	46	●	●			



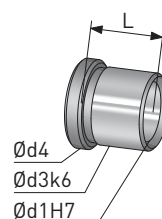
Z6/Y*X	M	ST-37	ST-52	1.1730	1.2312	1.7225
	8	●	●			



Z7/Y*X	N	ST-37	ST-52	1.1730	1.2312	1.7225
	8	●	●			

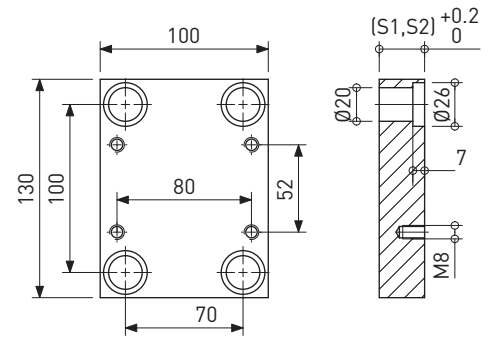
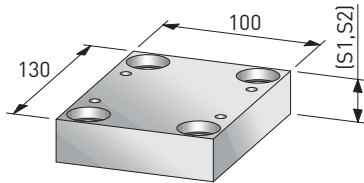


GP/P/L2/d1*L1	GP/P/L2/d1*L1
22/15*21	55
26	46/15*45
35	55
45	
27/15*26	
35	
45	
55	
36/15*35	
45	



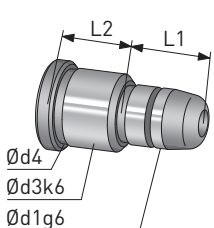
GB/P/d1*L
15*22
27
36
46
56

100×130

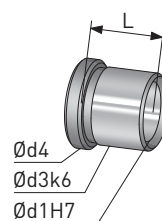


Tolerance Thickness: +0.2

Z1				Z1,Z8/Y*X	T,D	ST-37	ST-52	1.1730	1.2312	1.7225
Z8					22	●	●	●	●	●
Z2				Z2,Z3/Y*X	S1,S2	ST-37	ST-52	1.1730	1.2312	1.7225
Z3					27		●	●	●	
					36		●	●	●	
					46		●	●	●	
					56		●	●	●	
Z4				Z4/Y*X	H	ST-37	ST-52	1.1730	1.2312	1.7225
					22	●	●	●	●	●
Z5				Z5/Y*X	K	ST-37	ST-52	1.1730	1.2312	1.7225
					27	●	●			
					36	●	●			
					46	●	●			
Z6				Z6/Y*X	M	ST-37	ST-52	1.1730	1.2312	1.7225
					8	●	●			
Z7				Z7/Y*X	N	ST-37	ST-52	1.1730	1.2312	1.7225
					8	●	●			

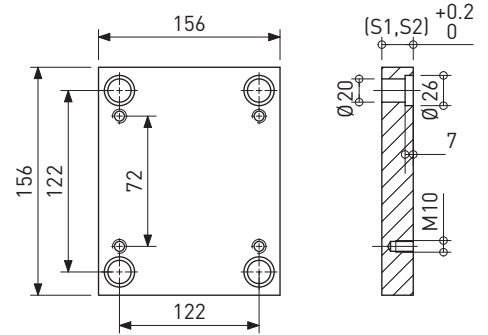
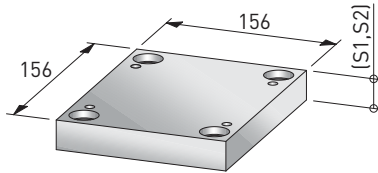


GP/P/L2/d1*L1
27/15*26
35
45
55
36/15*35
45
55
46/15*45
55

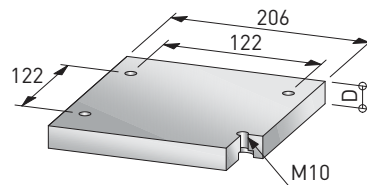
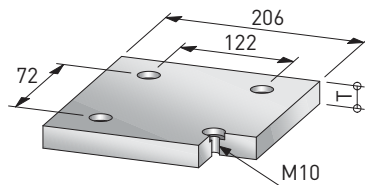


GB/P/d1*L
15*27
36
46
56

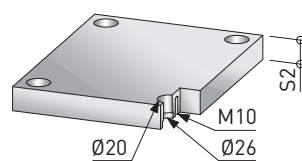
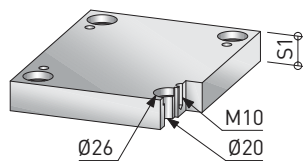
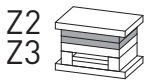
156×156



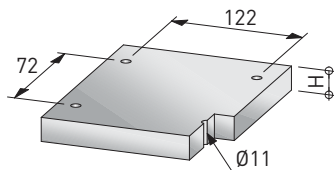
Tolerance Thickness: +0.2



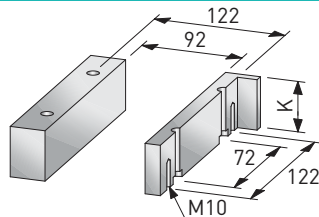
Z1,Z8/Y*X	T,D	ST-37	ST-52	1.1730	1.2312	1.7225
	22	●	●	●	●	●
	27	●	●	●	●	●



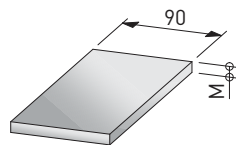
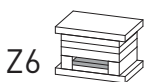
Z2,Z3/Y*X	S1,S2	ST-37	ST-52	1.1730	1.2312	1.7225
	27			●	●	●
	36			●	●	●
	46			●	●	●
	56			●	●	●



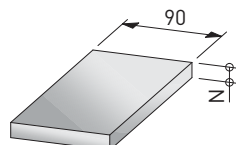
Z4/Y*X	H	ST-37	ST-52	1.1730	1.2312	1.7225
	27	●	●	●	●	●
	36	●	●	●	●	●



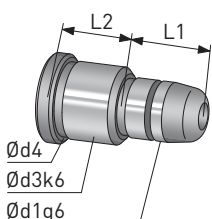
Z5/Y*X	K	ST-37	ST-52	1.1730	1.2312	1.7225
	46	●	●			
	56	●	●			
	76	●	●			



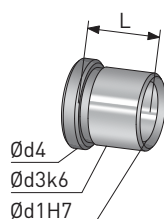
Z6/Y*X	M	ST-37	ST-52	1.1730	1.2312	1.7225
	9	●	●			



Z7/Y*X	N	ST-37	ST-52	1.1730	1.2312	1.7225
	17	●	●			

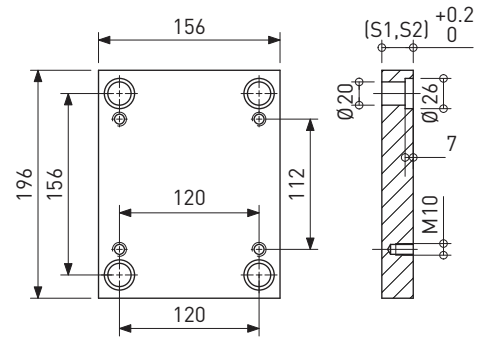
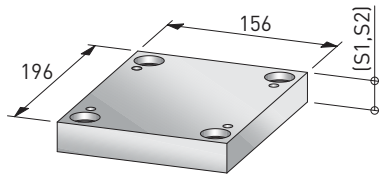


GP/P/L2/d1*L1
27/15*26
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36/15*35
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46/15*45
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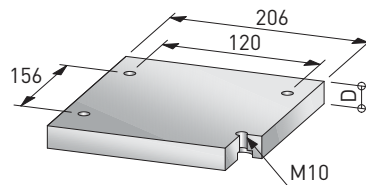
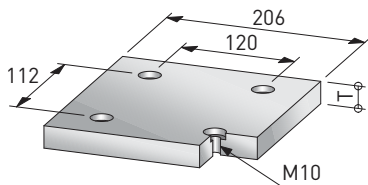


GB/P/d1*L
15*27
36
46
56

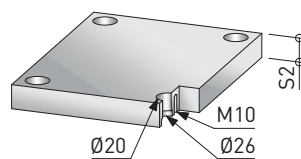
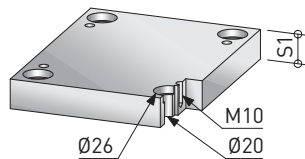
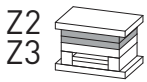
156×196



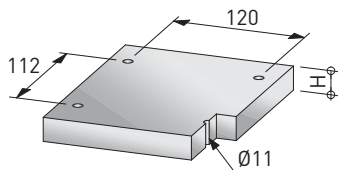
Tolerance Thickness: +0.2



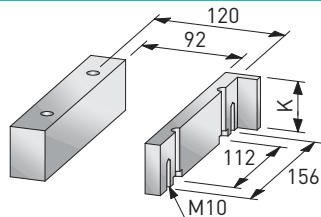
Z1,Z8/Y*X	T,D	ST-37	ST-52	1.1730	1.2312	1.7225
	22	●	●	●	●	●
	27	●	●	●	●	●



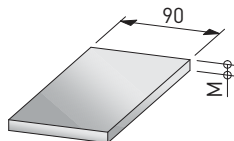
Z2,Z3/Y*X	S1,S2	ST-37	ST-52	1.1730	1.2312	1.7225
	27			●	●	●
	36			●	●	●
	46			●	●	●
	56			●	●	●



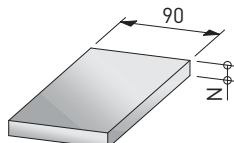
Z4/Y*X	H	ST-37	ST-52	1.1730	1.2312	1.7225
	27	●	●	●	●	●
	36	●	●	●	●	●



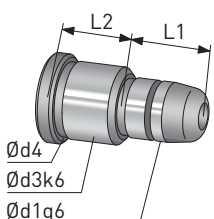
Z5/Y*X	K	ST-37	ST-52	1.1730	1.2312	1.7225
	46	●	●			
	56	●	●			
	76	●	●			



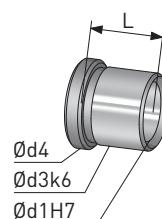
Z6/Y*X	M	ST-37	ST-52	1.1730	1.2312	1.7225
	9	●	●			



Z7/Y*X	N	ST-37	ST-52	1.1730	1.2312	1.7225
	17	●	●			

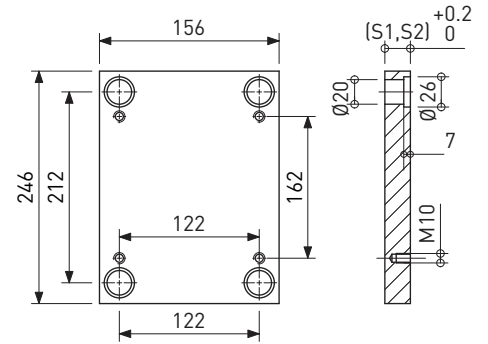
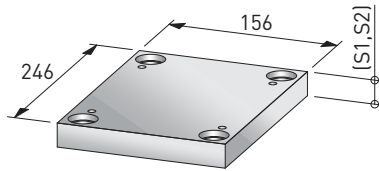


GP/P/L2/d1*L1
27/15*26
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36/15*35
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46/15*45
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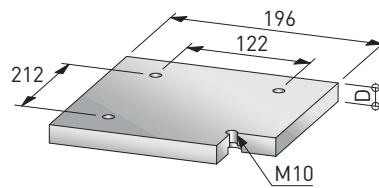
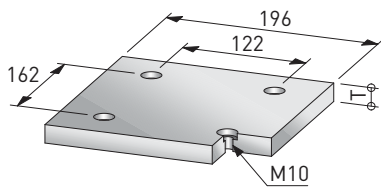


GB/P/d1*L
15*27
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46
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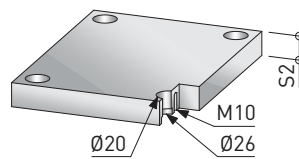
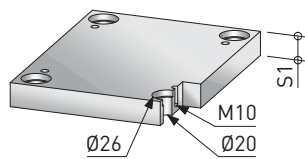
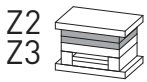
156×246



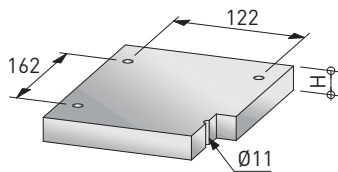
Tolerance Thickness: +0.2



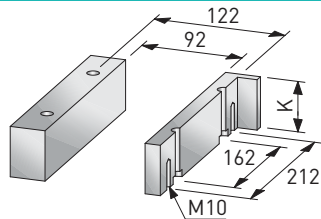
Z1,Z8/Y*X	T,D	ST-37	ST-52	1.1730	1.2312	1.7225
	22	●	●	●	●	●
	27	●	●	●	●	●



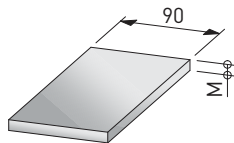
Z2,Z3/Y*X	S1,S2	ST-37	ST-52	1.1730	1.2312	1.7225
	27			●	●	●
	36			●	●	●
	46			●	●	●
	56			●	●	●



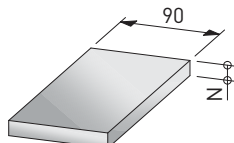
Z4/Y*X	H	ST-37	ST-52	1.1730	1.2312	1.7225
	27	●	●	●	●	●
	36	●	●	●	●	●



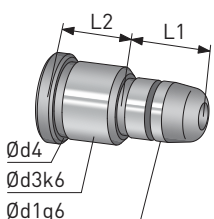
Z5/Y*X	K	ST-37	ST-52	1.1730	1.2312	1.7225
	46	●	●			
	56	●	●			
	76	●	●			



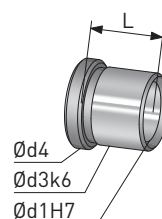
Z6/Y*X	M	ST-37	ST-52	1.1730	1.2312	1.7225
	9	●	●			



Z7/Y*X	N	ST-37	ST-52	1.1730	1.2312	1.7225
	17	●	●			

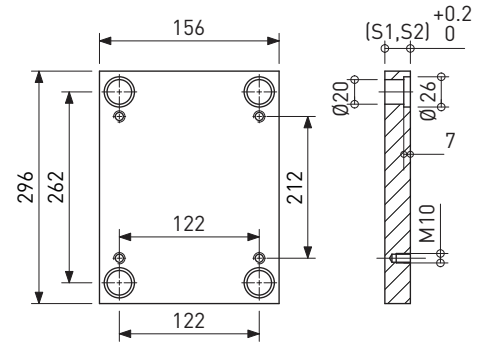
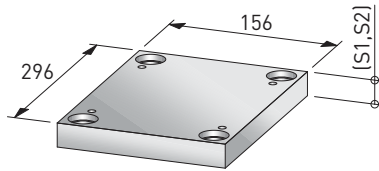


GP/P/L2/d1*L1
27/15*26
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36/15*35
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46/15*45
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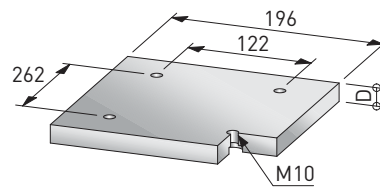
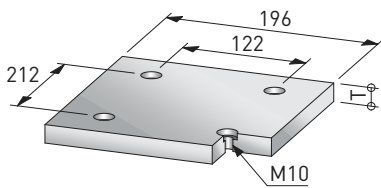
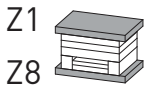


GB/P/d1*L
15*27
36
46
56

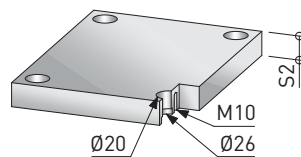
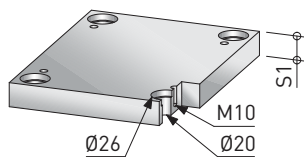
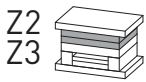
156×296



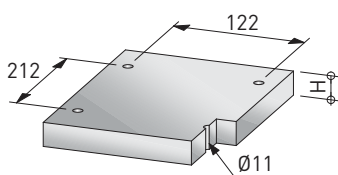
Tolerance Thickness: +0.2



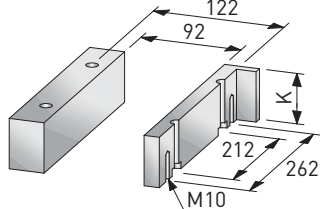
Z1,Z8/Y*X	T,D	ST-37	ST-52	1.1730	1.2312	1.7225
	22	●	●	●	●	●
	27	●	●	●	●	●



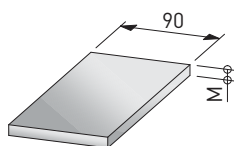
Z2,Z3/Y*X	S1,S2	ST-37	ST-52	1.1730	1.2312	1.7225
	27			●	●	●
	36			●	●	●
	46			●	●	●
	56			●	●	●



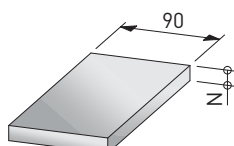
Z4/Y*X	H	ST-37	ST-52	1.1730	1.2312	1.7225
	27	●	●	●	●	●
	36	●	●	●	●	●



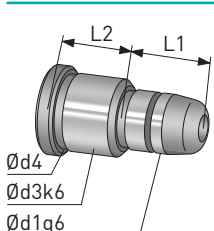
Z5/Y*X	K	ST-37	ST-52	1.1730	1.2312	1.7225
	46	●	●			
	56	●	●			
	76	●	●			



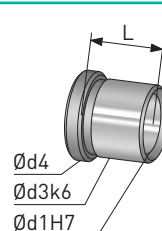
Z6/Y*X	M	ST-37	ST-52	1.1730	1.2312	1.7225
	12	●	●			



Z7/Y*X	N	ST-37	ST-52	1.1730	1.2312	1.7225
	17	●	●			

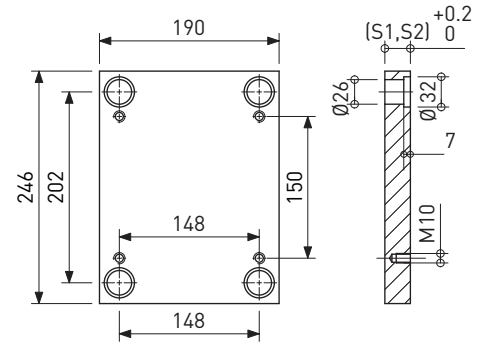
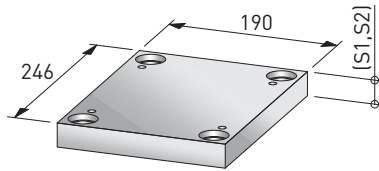


GP/P/L2/d1*L1
27/15*26
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36/15*35
45
55
46/15*45
55

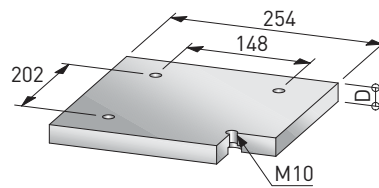
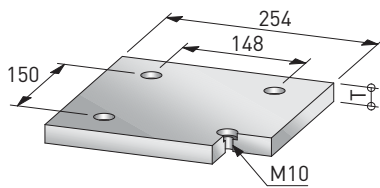


GB/P/d1*L
15*27
36
46
56

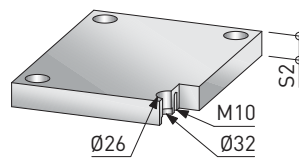
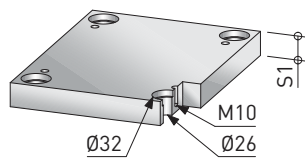
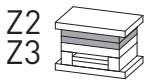
190×246



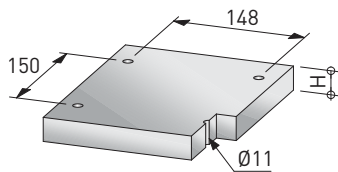
Tolerance Thickness: +0.2



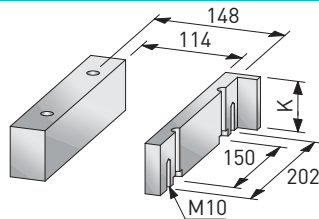
Z1,Z8/Y*X	T,D	ST-37	ST-52	1.1730	1.2312	1.7225
	22	●	●	●	●	●
	27	●	●	●	●	●



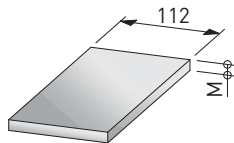
Z2,Z3/Y*X	S1,S2	ST-37	ST-52	1.1730	1.2312	1.7225
	27			●	●	●
	36			●	●	●
	46			●	●	●
	56			●	●	●



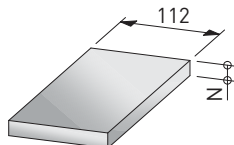
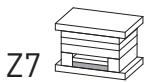
Z4/Y*X	H	ST-37	ST-52	1.1730	1.2312	1.7225
	27	●	●	●	●	●
	36	●	●	●	●	●



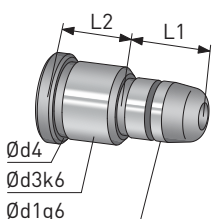
Z5/Y*X	K	ST-37	ST-52	1.1730	1.2312	1.7225
	46	●	●			
	56	●	●			
	76	●	●			



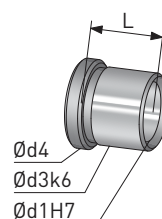
Z6/Y*X	M	ST-37	ST-52	1.1730	1.2312	1.7225
	12	●	●			



Z7/Y*X	N	ST-37	ST-52	1.1730	1.2312	1.7225
	17	●	●			

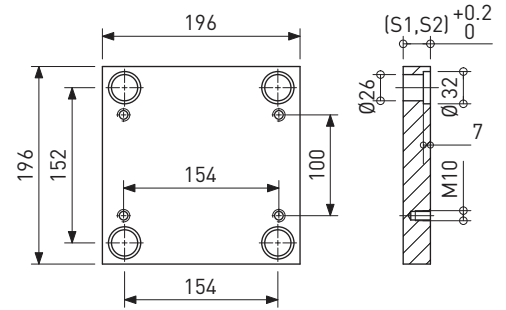
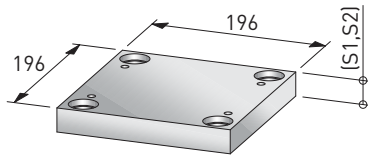


GP/P/L2/d1*L1
27/20*26
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36/20*35
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46/20*45
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56/20*55

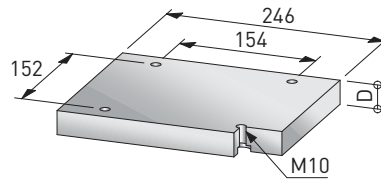
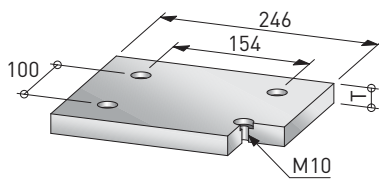


GB/P/d1*L
20*27
36
46
56

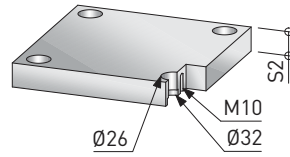
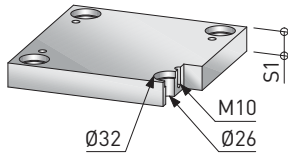
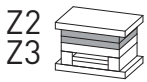
196×196



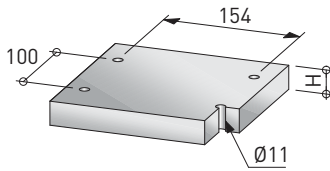
Tolerance Thickness: +0.2



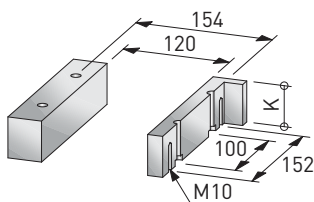
Z1,Z8/Y*X	T,D	ST-37	ST-52	1.1730	1.2312	1.7225
	22	●	●	●	●	●
	27	●	●	●	●	●



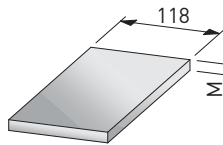
Z2,Z3/Y*X	S1,S2	ST-37	ST-52	1.1730	1.2312	1.7225
	27		●	●	●	●
	36		●	●	●	●
	46		●	●	●	●
	56		●	●	●	●



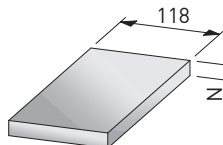
Z4/Y*X	H	ST-37	ST-52	1.1730	1.2312	1.7225
	27	●	●	●	●	●
	36	●	●	●	●	●



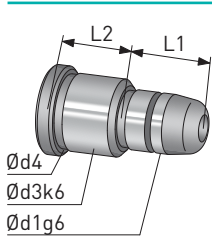
Z5/Y*X	K	ST-37	ST-52	1.1730	1.2312	1.7225
	46	●	●			
	56	●	●			
	76	●	●			



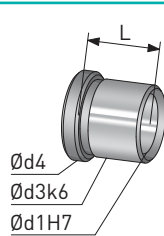
Z6/Y*X	M	ST-37	ST-52	1.1730	1.2312	1.7225
	12	●	●			



Z7/Y*X	N	ST-37	ST-52	1.1730	1.2312	1.7225
	17	●	●			

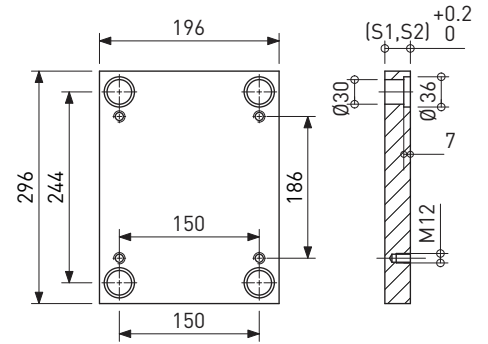
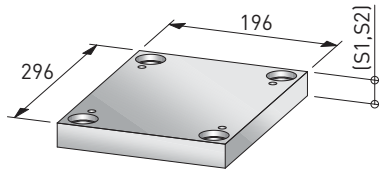


GP/P/L2/d1*L1
27/20*26
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36/20*35
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46/20*45
55
56/20*55

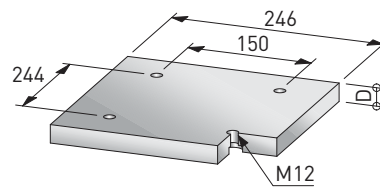
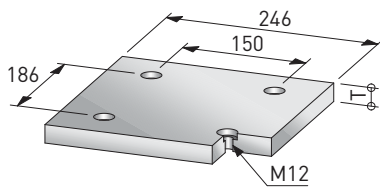


GB/P/d1*L
20*27
36
46
56

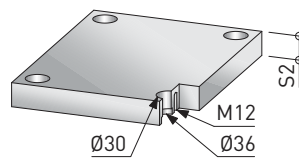
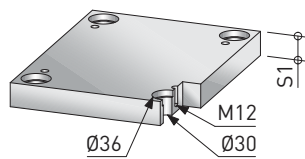
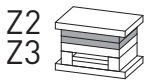
196×296



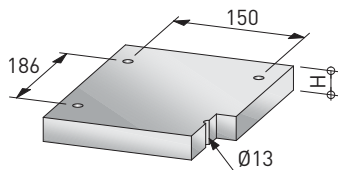
Tolerance Thickness: +0.2



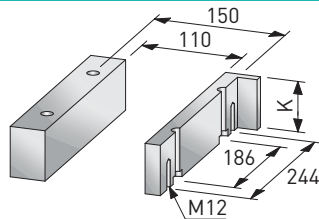
Z1,Z8/Y*X	T,D	ST-37	ST-52	1.1730	1.2312	1.7225
	27	●	●	●	●	●
	36	●	●	●	●	●



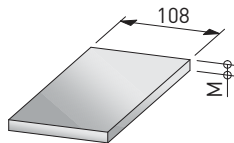
Z2,Z3/Y*X	S1,S2	ST-37	ST-52	1.1730	1.2312	1.7225
	27			●	●	●
	36			●	●	●
	46			●	●	●
	56			●	●	●



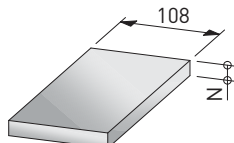
Z4/Y*X	H	ST-37	ST-52	1.1730	1.2312	1.7225
	27	●	●	●	●	●
	36	●	●	●	●	●



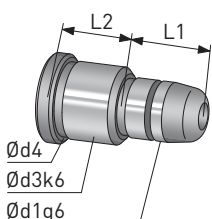
Z5/Y*X	K	ST-37	ST-52	1.1730	1.2312	1.7225
	56	●	●			
	76	●	●			
	96	●	●			



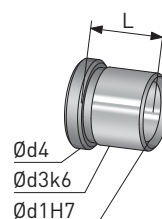
Z6/Y*X	M	ST-37	ST-52	1.1730	1.2312	1.7225
	12	●	●			



Z7/Y*X	N	ST-37	ST-52	1.1730	1.2312	1.7225
	17	●	●			

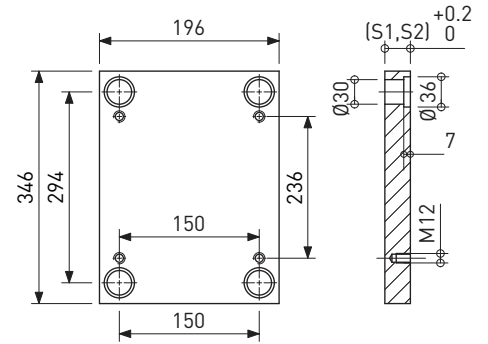
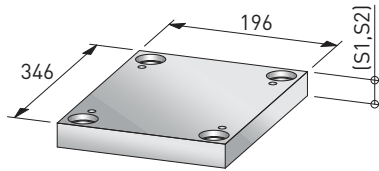


GP/P/L2/d1*L1
27/22*26
35
45
55
36/22*35
45
55
46/22*45
55
56/22*55

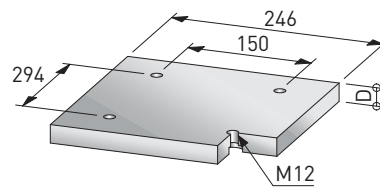
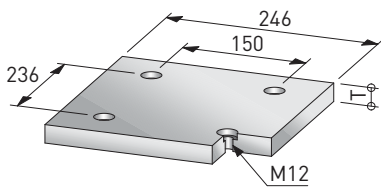


GB/P/d1*L
22*27
36
46
56

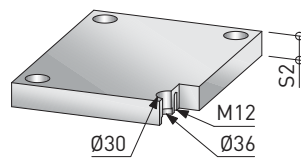
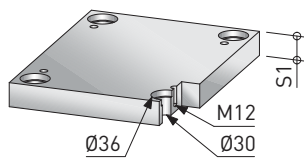
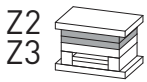
196×346



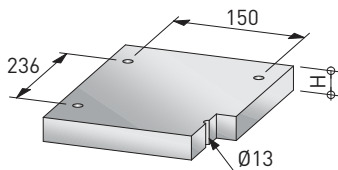
Tolerance Thickness: +0.2



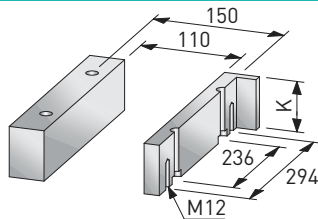
Z1,Z8/Y*X	T,D	ST-37	ST-52	1.1730	1.2312	1.7225
	27	●	●	●	●	●
	36	●	●	●	●	●



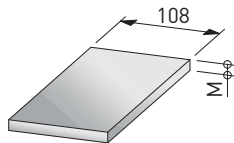
Z2,Z3/Y*X	S1,S2	ST-37	ST-52	1.1730	1.2312	1.7225
	27			●	●	●
	36			●	●	●
	46			●	●	●
	56			●	●	●
	66			●	●	●
	76			●	●	●
	86			●	●	●
	96			●	●	●



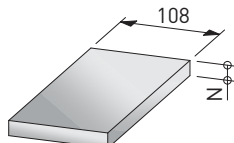
Z4/Y*X	H	ST-37	ST-52	1.1730	1.2312	1.7225
	27	●	●	●	●	●
	36	●	●	●	●	●



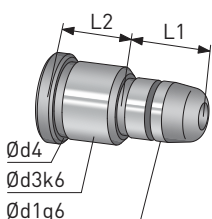
Z5/Y*X	K	ST-37	ST-52	1.1730	1.2312	1.7225
	56	●	●			
	76	●	●			
	96	●	●			



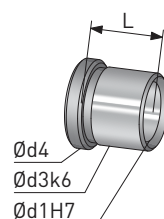
Z6/Y*X	M	ST-37	ST-52	1.1730	1.2312	1.7225
	12	●	●			



Z7/Y*X	N	ST-37	ST-52	1.1730	1.2312	1.7225
	17	●	●			

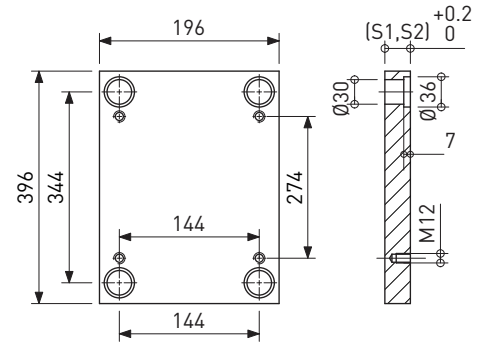
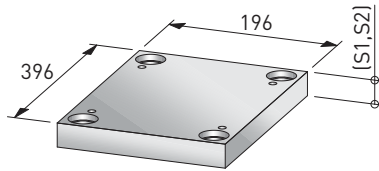


GP/P/L2/d1*L1	GP/P/L2/d1*L1	GP/P/L2/d1*L1
27/22*26	75	95
35	95	
45	46/22*45	
55	55	
65	65	
75	75	
36/22*35	95	
45	56/22*55	
55	65	
65	75	

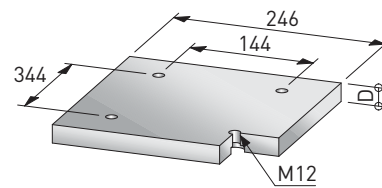
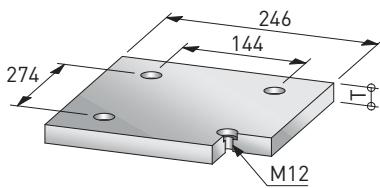


GB/P/d1*L
22*27
36
46
56
66
76
86
96

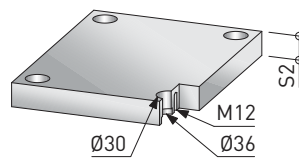
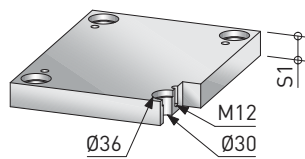
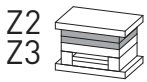
196×396



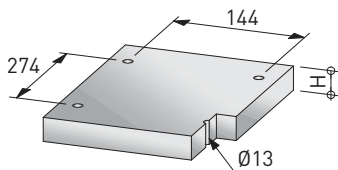
Tolerance Thickness: +0.2



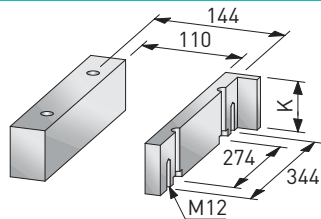
Z1,Z8/Y*X	T,D	ST-37	ST-52	1.1730	1.2312	1.7225
	27	●	●	●	●	●
	36	●	●	●	●	●



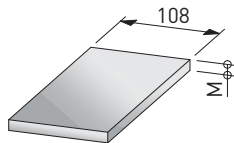
Z2,Z3/Y*X	S1,S2	ST-37	ST-52	1.1730	1.2312	1.7225
	27			●	●	●
	36			●	●	●
	46			●	●	●
	56			●	●	●
	66			●	●	●
	76			●	●	●
	86			●	●	●
	96			●	●	●



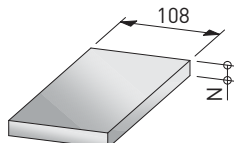
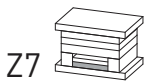
Z4/Y*X	H	ST-37	ST-52	1.1730	1.2312	1.7225
	27	●	●	●	●	●
	36	●	●	●	●	●



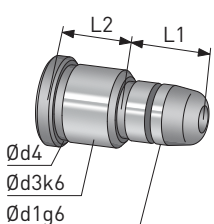
Z5/Y*X	K	ST-37	ST-52	1.1730	1.2312	1.7225
	56	●	●			
	76	●	●			
	96	●	●			



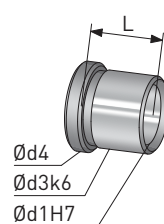
Z6/Y*X	M	ST-37	ST-52	1.1730	1.2312	1.7225
	17	●	●			



Z7/Y*X	N	ST-37	ST-52	1.1730	1.2312	1.7225
	22	●	●			

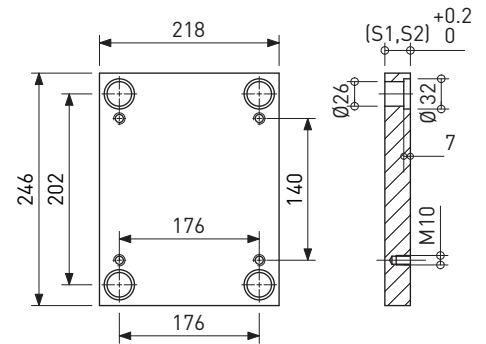
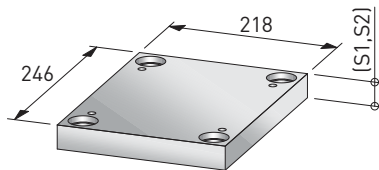


GP/P/L2/d1*L1	GP/P/L2/d1*L1	GP/P/L2/d1*L1
27/22*26	75	95
35	95	
45	46/22*45	
55	55	
65	65	
75	75	
36/22*35	95	
45	56/22*55	
55	65	
65	75	

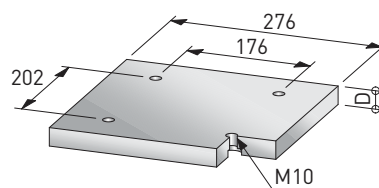
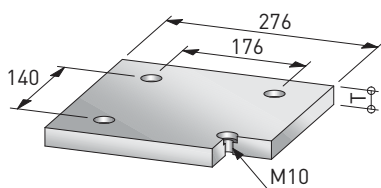
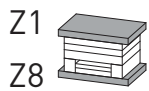


GB/P/d1*L
22*27
36
46
56
66
76
96

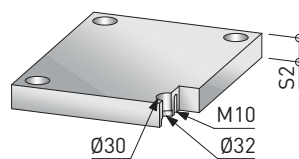
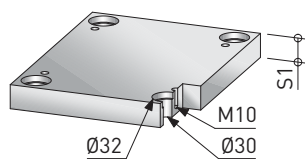
218×246



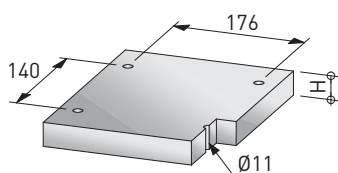
Tolerance Thickness: +0.2



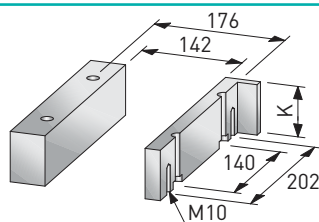
Z1,Z8/Y*X	T,D	ST-37	ST-52	1.1730	1.2312	1.7225
	22	●	●	●	●	●
	27	●	●	●	●	●



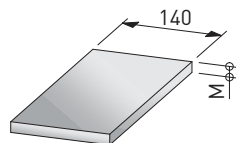
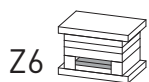
Z2,Z3/Y*X	S1,S2	ST-37	ST-52	1.1730	1.2312	1.7225
	27			●	●	●
	36			●	●	●
	46			●	●	●
	56			●	●	●
	66			●	●	●
	76			●	●	●
	86			●	●	●
	96			●	●	●



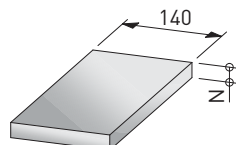
Z4/Y*X	H	ST-37	ST-52	1.1730	1.2312	1.7225
	27	●	●	●	●	●
	36	●	●	●	●	●



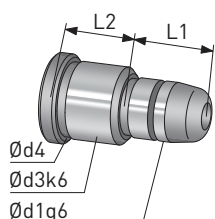
Z5/Y*X	K	ST-37	ST-52	1.1730	1.2312	1.7225
	56	●	●			
	76	●	●			
	96	●	●			



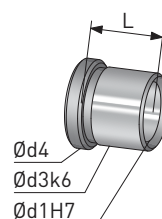
Z6/Y*X	M	ST-37	ST-52	1.1730	1.2312	1.7225
	12	●	●			



Z7/Y*X	N	ST-37	ST-52	1.1730	1.2312	1.7225
	17	●	●			

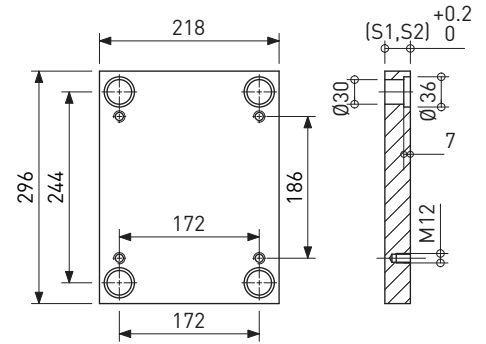
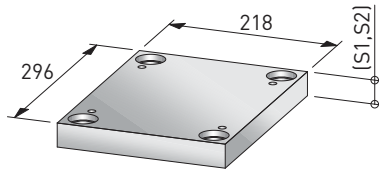


GP/P/L2/d1*L1	GP/P/L2/d1*L1	GP/P/L2/d1*L1
27/20*26	75	95
35	95	
45	46/20*45	
55	55	
65	65	
75	75	
36/20*35	95	
45	56/20*55	
55	65	
65	75	

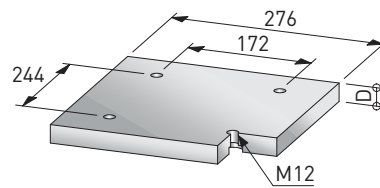
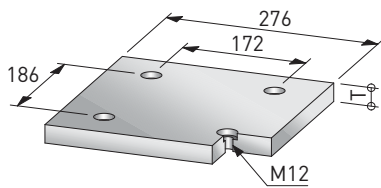
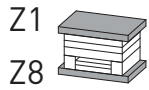


GB/P/d1*L
20*27
36
46
56
66
76
96

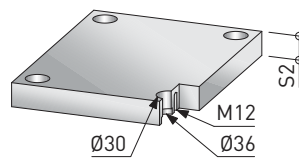
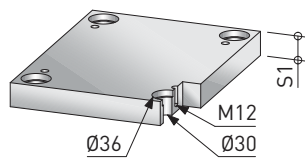
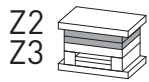
218×296



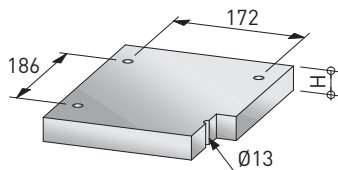
Tolerance Thickness: +0.2



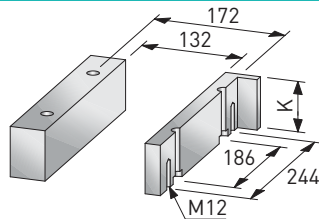
Z1,Z8/Y*X	T,D	ST-37	ST-52	1.1730	1.2312	1.7225
	27	●	●	●	●	●
	36	●	●	●	●	●



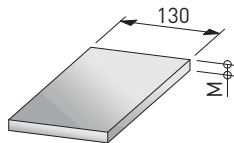
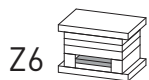
Z2,Z3/Y*X	S1,S2	ST-37	ST-52	1.1730	1.2312	1.7225
	27			●	●	●
	36			●	●	●
	46			●	●	●
	56			●	●	●
	66			●	●	●
	76			●	●	●
	86			●	●	●
	96			●	●	●



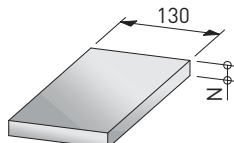
Z4/Y*X	H	ST-37	ST-52	1.1730	1.2312	1.7225
	27	●	●	●	●	●
	36	●	●	●	●	●



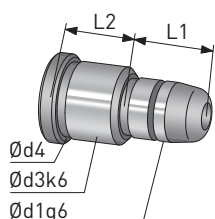
Z5/Y*X	K	ST-37	ST-52	1.1730	1.2312	1.7225
	56	●	●			
	76	●	●			
	96	●	●			



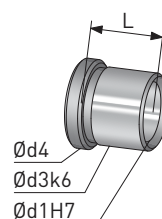
Z6/Y*X	M	ST-37	ST-52	1.1730	1.2312	1.7225
	12	●	●			



Z7/Y*X	N	ST-37	ST-52	1.1730	1.2312	1.7225
	17	●	●			

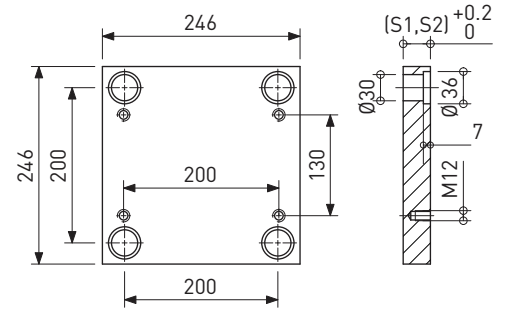
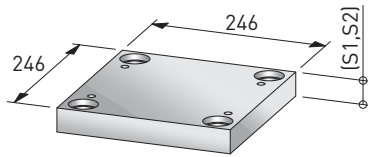


GP/P/L2/d1*L1	GP/P/L2/d1*L1	GP/P/L2/d1*L1
27/22*26	75	95
35	95	
45	46/22*45	
55	55	
65	65	
75	75	
36/22*35	95	
45	56/22*55	
55	65	
65	75	

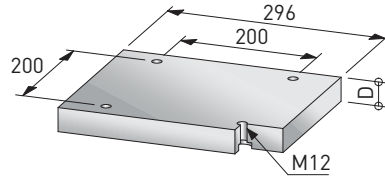
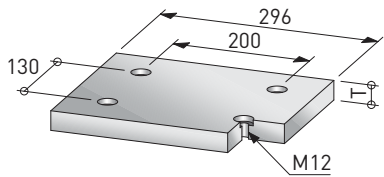
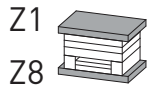


GB/P/d1*L
22*27
36
46
56
66
76
96

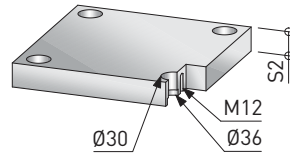
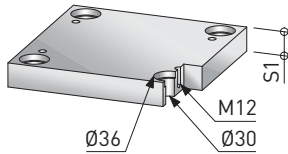
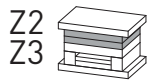
246×246



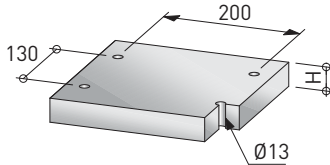
Tolerance Thickness: +0.2



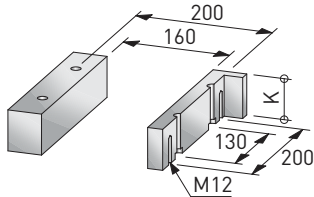
Z1,Z8/Y*X	T,D	ST-37	ST-52	1.1730	1.2312	1.7225
	27	●	●	●	●	●
	36	●	●	●	●	●



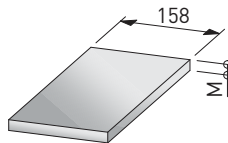
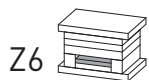
Z2,Z3/Y*X	S1,S2	ST-37	ST-52	1.1730	1.2312	1.7225
	27			●	●	●
	36			●	●	●
	46			●	●	●
	56			●	●	●
	66			●	●	●
	76			●	●	●
	86			●	●	●
	96			●	●	●



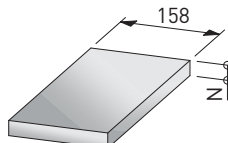
Z4/Y*X	H	ST-37	ST-52	1.1730	1.2312	1.7225
	27	●	●	●	●	●
	36	●	●	●	●	●



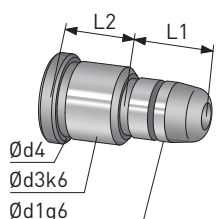
Z5/Y*X	K	ST-37	ST-52	1.1730	1.2312	1.7225
	56	●	●			
	76	●	●			
	96	●	●			



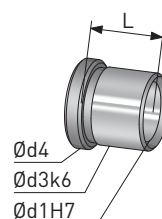
Z6/Y*X	M	ST-37	ST-52	1.1730	1.2312	1.7225
	12	●	●			



Z7/Y*X	N	ST-37	ST-52	1.1730	1.2312	1.7225
	17	●	●			

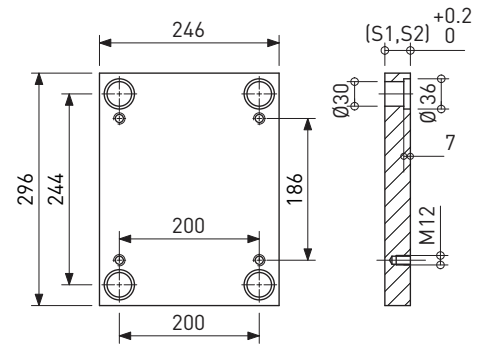
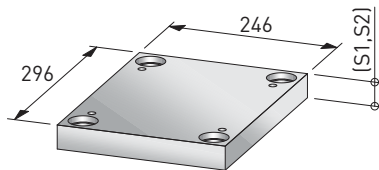


GP/P/L2/d1*L1	GP/P/L2/d1*L1	GP/P/L2/d1*L1
27/22*26	75	95
35	95	
45	46/22*45	
55	55	
65	65	
75	75	
36/22*35	95	
45	56/22*55	
55	65	
65	75	

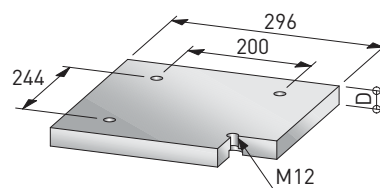
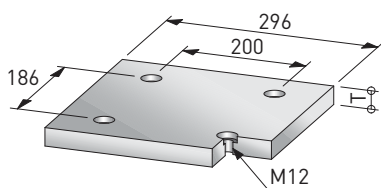
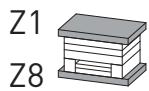


GB/P/d1*L
22*27
36
46
56
66
76
96

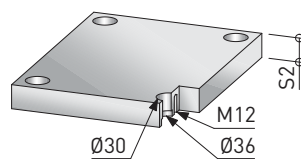
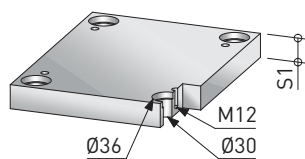
246×296



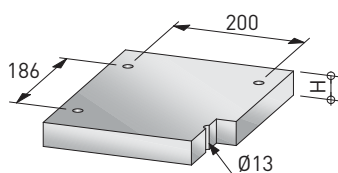
Tolerance Thickness: +0.2



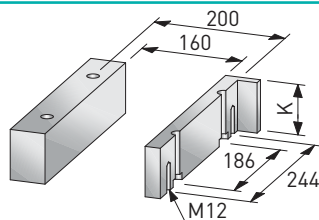
Z1,Z8/Y*X	T,D	ST-37	ST-52	1.1730	1.2312	1.7225
	27	●	●	●	●	●
	36	●	●	●	●	●



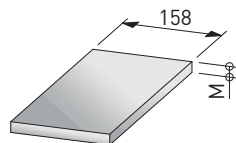
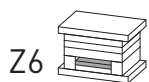
Z2,Z3/Y*X	S1,S2	ST-37	ST-52	1.1730	1.2312	1.7225
	27			●	●	●
	36			●	●	●
	46			●	●	●
	56			●	●	●
	66			●	●	●
	76			●	●	●
	86			●	●	●
	96			●	●	●



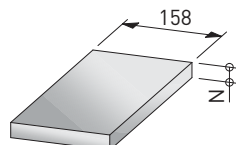
Z4/Y*X	H	ST-37	ST-52	1.1730	1.2312	1.7225
	27	●	●	●	●	●
	36	●	●	●	●	●



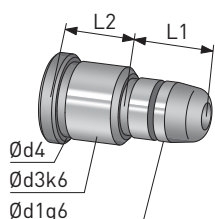
Z5/Y*X	K	ST-37	ST-52	1.1730	1.2312	1.7225
	56	●	●			
	76	●	●			
	96	●	●			



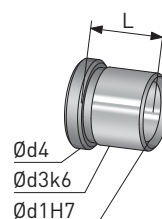
Z6/Y*X	M	ST-37	ST-52	1.1730	1.2312	1.7225
	12	●	●			



Z7/Y*X	N	ST-37	ST-52	1.1730	1.2312	1.7225
	17	●	●			

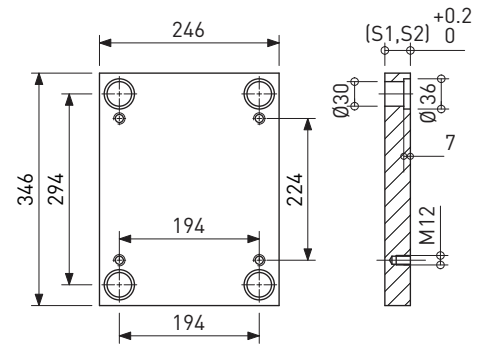
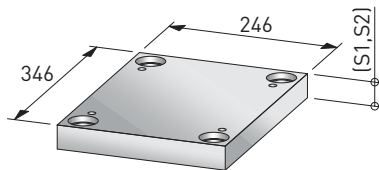


GP/P/L2/d1*L1	GP/P/L2/d1*L1	GP/P/L2/d1*L1
27/22*26	75	95
35	95	
45	46/22*45	
55	55	
65	65	
75	75	
36/22*35	95	
45	56/22*55	
55	65	
65	75	

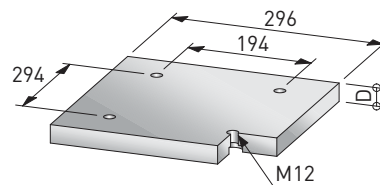
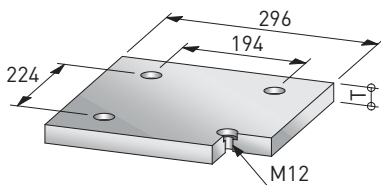
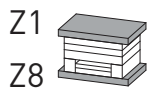


GB/P/d1*L
22*27
36
46
56
66
76
96

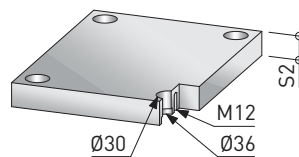
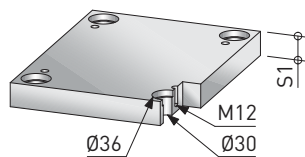
246×346



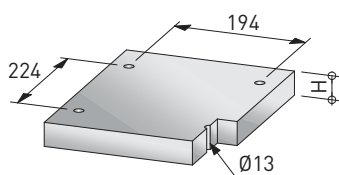
Tolerance Thickness: +0.2



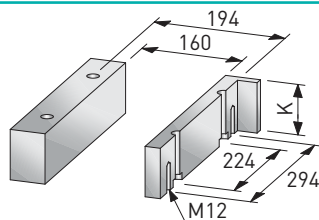
Z1,Z8/Y*X	T,D	ST-37	ST-52	1.1730	1.2312	1.7225
	27	●	●	●	●	●
	36	●	●	●	●	●



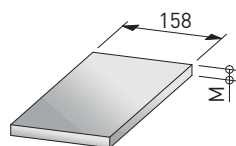
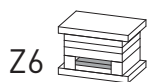
Z2,Z3/Y*X	S1,S2	ST-37	ST-52	1.1730	1.2312	1.7225
	27			●	●	●
	36			●	●	●
	46			●	●	●
	56			●	●	●
	66			●	●	●
	76			●	●	●
	86			●	●	●
	96			●	●	●



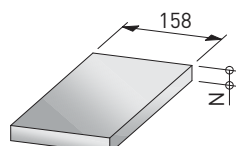
Z4/Y*X	H	ST-37	ST-52	1.1730	1.2312	1.7225
	36	●	●	●	●	●
	46	●	●	●	●	●



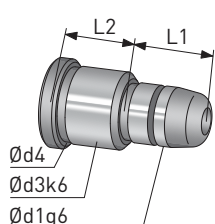
Z5/Y*X	K	ST-37	ST-52	1.1730	1.2312	1.7225
	56	●	●			
	76	●	●			
	96	●	●			



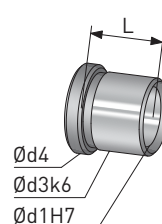
Z6/Y*X	M	ST-37	ST-52	1.1730	1.2312	1.7225
	17	●	●			



Z7/Y*X	N	ST-37	ST-52	1.1730	1.2312	1.7225
	22	●	●			

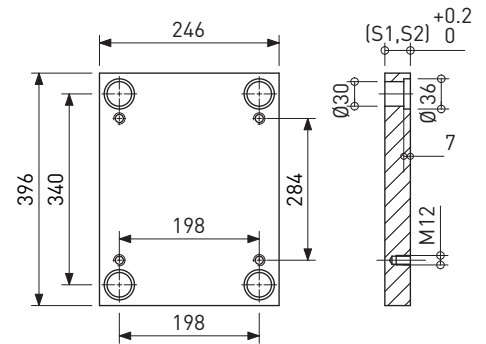
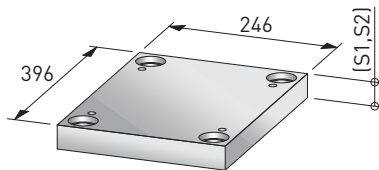


GP/P/L2/d1*L1	GP/P/L2/d1*L1	GP/P/L2/d1*L1
27/22*26	75	95
35	95	
45	46/22*45	
55	55	
65	65	
75	75	
36/22*35	95	
45	56/22*55	
55	65	
65	75	

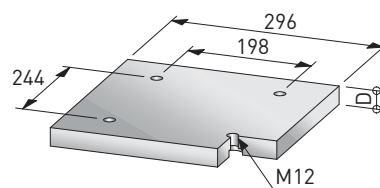
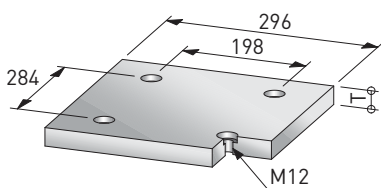
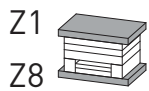


GB/P/d1*L
22*27
36
46
56
66
76
96

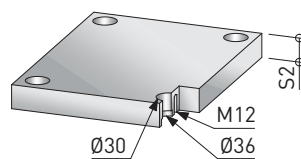
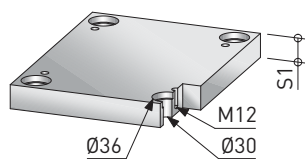
246×396



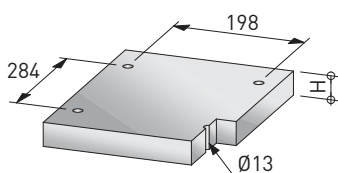
Tolerance Thickness: +0.2



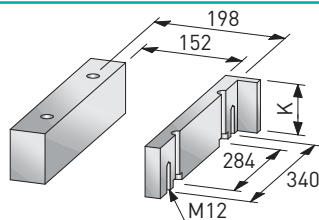
Z1,Z8/Y*X	T,D	ST-37	ST-52	1.1730	1.2312	1.7225
	27	●	●	●	●	●
	36	●	●	●	●	●



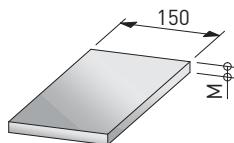
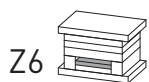
Z2,Z3/Y*X	S1,S2	ST-37	ST-52	1.1730	1.2312	1.7225
	27			●	●	●
	36			●	●	●
	46			●	●	●
	56			●	●	●
	66			●	●	●
	76			●	●	●
	86			●	●	●
	96			●	●	●



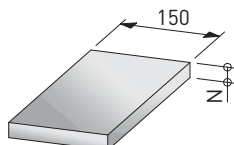
Z4/Y*X	H	ST-37	ST-52	1.1730	1.2312	1.7225
	36	●	●	●	●	●
	46	●	●	●	●	●



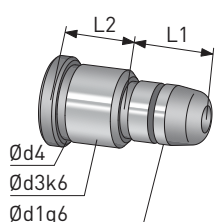
Z5/Y*X	K	ST-37	ST-52	1.1730	1.2312	1.7225
	56	●	●			
	76	●	●			
	96	●	●			



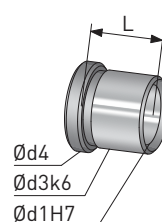
Z6/Y*X	M	ST-37	ST-52	1.1730	1.2312	1.7225
	17	●	●			



Z7/Y*X	N	ST-37	ST-52	1.1730	1.2312	1.7225
	22	●	●			

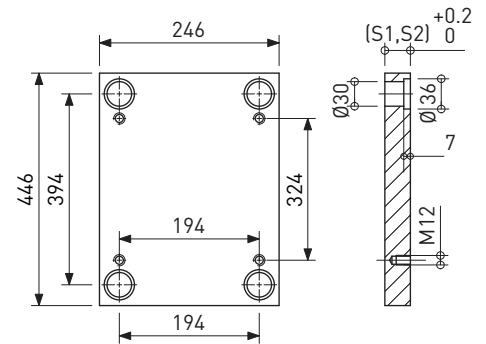
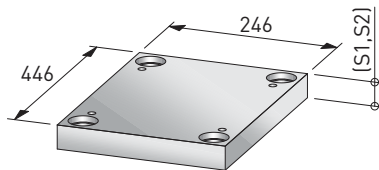


GP/P/L2/d1*L1	GP/P/L2/d1*L1	GP/P/L2/d1*L1
27/22*26	75	95
35	95	
45	46/22*45	
55	55	
65	65	
75	75	
36/22*35	95	
45	56/22*55	
55	65	
65	75	



GB/P/d1*L
22*27
36
46
56
66
76
96

246×446

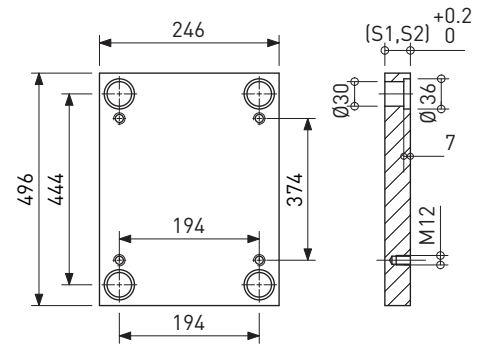
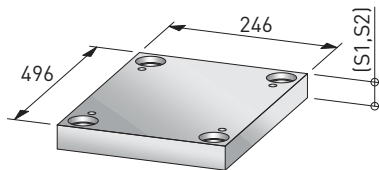


Tolerance Thickness: +0.2

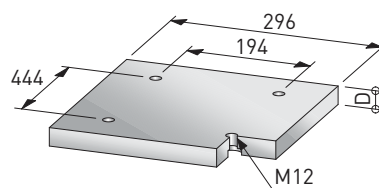
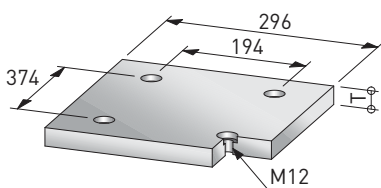
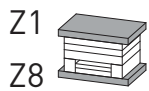
Z1 Z8		Z1,Z8/Y*X	T,D	ST-37	ST-52	1.1730	1.2312	1.7225
			27 36	●	●	●	●	●
Z2 Z3		Z2,Z3/Y*X	S1,S2	ST-37	ST-52	1.1730	1.2312	1.7225
			27			●	●	●
			36			●	●	●
			46			●	●	●
			56			●	●	●
			66			●	●	●
			76			●	●	●
Z4		Z4/Y*X	H	ST-37	ST-52	1.1730	1.2312	1.7225
			36 46	●	●	●	●	●
Z5		Z5/Y*X	K	ST-37	ST-52	1.1730	1.2312	1.7225
			56 76 96	●	●			
Z6		Z6/Y*X	M	ST-37	ST-52	1.1730	1.2312	1.7225
			17	●	●			
Z7		Z7/Y*X	N	ST-37	ST-52	1.1730	1.2312	1.7225
			22	●	●			

	GP/P/L2/d1*L1	GP/P/L2/d1*L1	GP/P/L2/d1*L1		GB/P/d1*L
	27/22*26	75	95		22*27
	35	95			36
	45	46/22*45			46
	55	55			56
	65	65			66
	75	75			76
	36/22*35	95			96
	45	56/22*55			
	55	65			
	65	75			

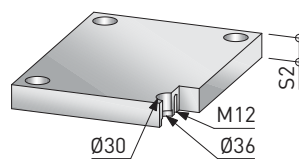
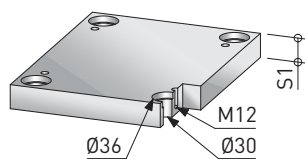
246×496



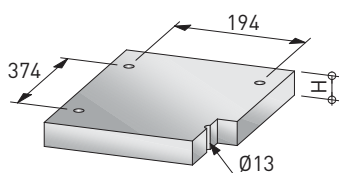
Tolerance Thickness: +0.2



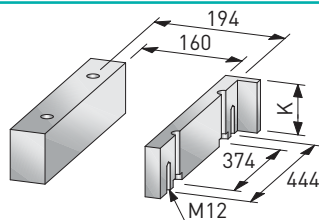
Z1,Z8/Y*X	T,D	ST-37	ST-52	1.1730	1.2312	1.7225
	27	●	●	●	●	●
	36	●	●	●	●	●



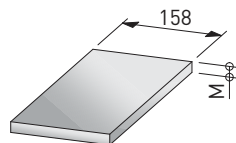
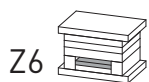
Z2,Z3/Y*X	S1,S2	ST-37	ST-52	1.1730	1.2312	1.7225
	27			●	●	●
	36			●	●	●
	46			●	●	●
	56			●	●	●
	66			●	●	●
	76			●	●	●
	86			●	●	●
	96			●	●	●



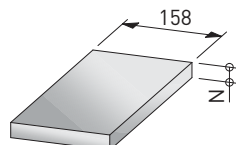
Z4/Y*X	H	ST-37	ST-52	1.1730	1.2312	1.7225
	36	●	●	●	●	●
	46	●	●	●	●	●



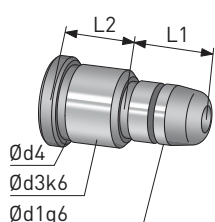
Z5/Y*X	K	ST-37	ST-52	1.1730	1.2312	1.7225
	56	●	●			
	76	●	●			
	96	●	●			



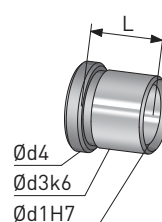
Z6/Y*X	M	ST-37	ST-52	1.1730	1.2312	1.7225
	17	●	●			



Z7/Y*X	N	ST-37	ST-52	1.1730	1.2312	1.7225
	22	●	●			

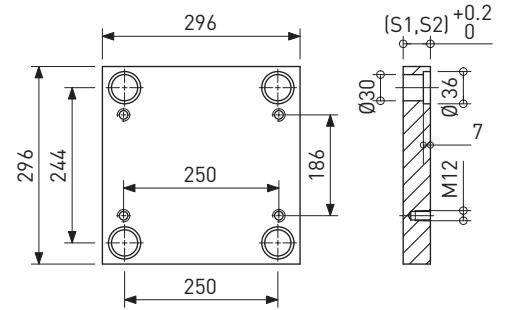
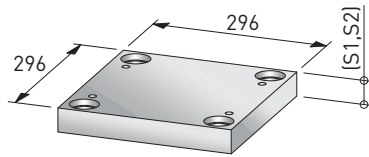


GP/P/L2/d1*L1	GP/P/L2/d1*L1	GP/P/L2/d1*L1
27/22*26	75	95
35	95	
45	46/22*45	
55	55	
65	65	
75	75	
36/22*35	95	
45	56/22*55	
55	65	
65	75	

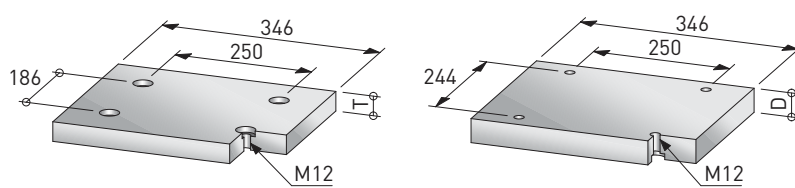
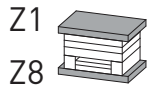


GB/P/d1*L
22*27
36
46
56
66
76
96

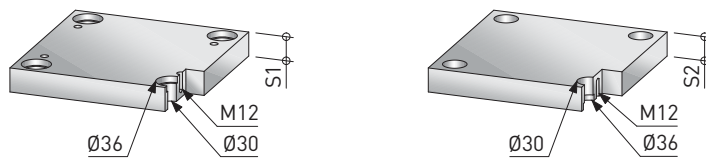
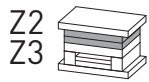
296×296



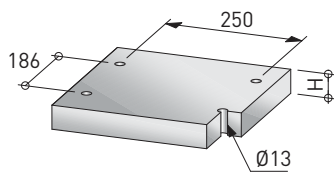
Tolerance Thickness: +0.2



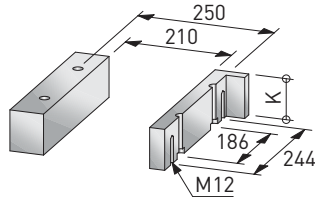
Z1,Z8/Y*X	T,D	ST-37	ST-52	1.1730	1.2312	1.7225
	27	●	●	●	●	●
	36	●	●	●	●	●



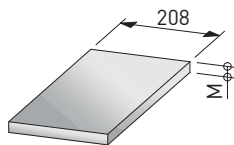
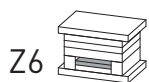
Z2,Z3/Y*X	S1,S2	ST-37	ST-52	1.1730	1.2312	1.7225
	27			●	●	●
	36			●	●	●
	46			●	●	●
	56			●	●	●
	66			●	●	●
	76			●	●	●
	86			●	●	●
	96			●	●	●



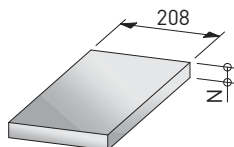
Z4/Y*X	H	ST-37	ST-52	1.1730	1.2312	1.7225
	36	●	●	●	●	●
	46	●	●	●	●	●



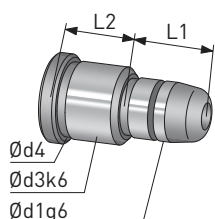
Z5/Y*X	K	ST-37	ST-52	1.1730	1.2312	1.7225
	56	●	●			
	76	●	●			
	96	●	●			



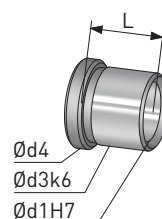
Z6/Y*X	M	ST-37	ST-52	1.1730	1.2312	1.7225
	12	●	●			



Z7/Y*X	N	ST-37	ST-52	1.1730	1.2312	1.7225
	17	●	●			

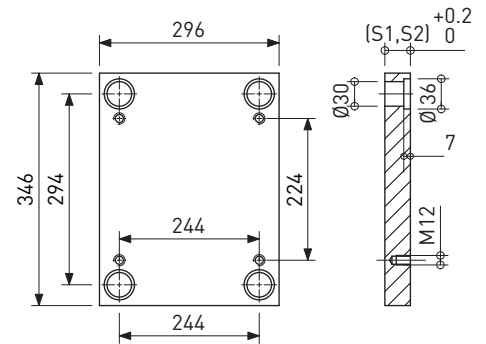
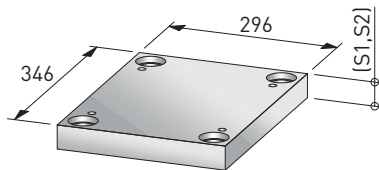


GP/P/L2/d1*L1	GP/P/L2/d1*L1	GP/P/L2/d1*L1
27/22*26	75	95
35	95	
45	46/22*45	
55	55	
65	65	
75	75	
36/22*35	95	
45	56/22*55	
55	65	
65	75	

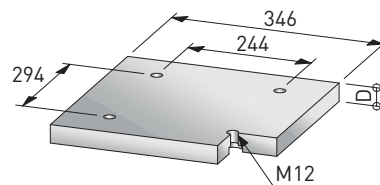
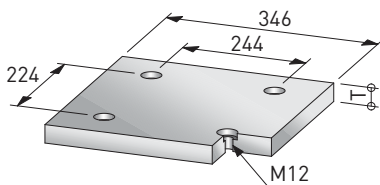
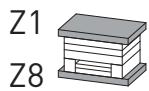


GB/P/d1*L
22*27
36
46
56
66
76
96

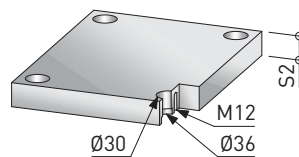
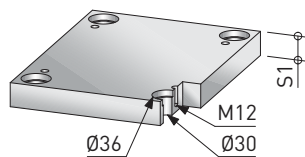
296×346



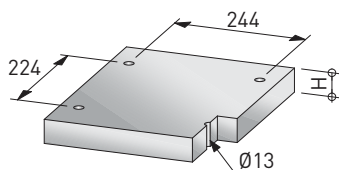
Tolerance Thickness: +0.2



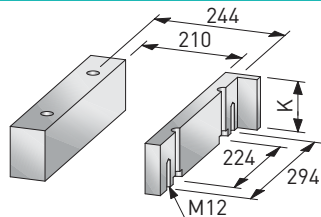
Z1,Z8/Y*X	T,D	ST-37	ST-52	1.1730	1.2312	1.7225
	27	●	●	●	●	●
	36	●	●	●	●	●



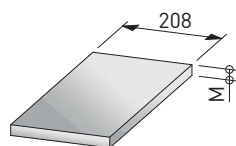
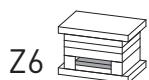
Z2,Z3/Y*X	S1,S2	ST-37	ST-52	1.1730	1.2312	1.7225
	27			●	●	●
	36			●	●	●
	46			●	●	●
	56			●	●	●
	66			●	●	●
	76			●	●	●
	86			●	●	●
	96			●	●	●



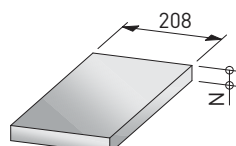
Z4/Y*X	H	ST-37	ST-52	1.1730	1.2312	1.7225
	36	●	●	●	●	●
	46	●	●	●	●	●



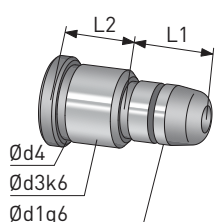
Z5/Y*X	K	ST-37	ST-52	1.1730	1.2312	1.7225
	56	●	●			
	76	●	●			
	96	●	●			



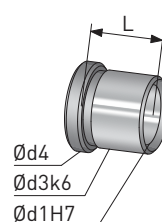
Z6/Y*X	M	ST-37	ST-52	1.1730	1.2312	1.7225
	17	●	●			



Z7/Y*X	N	ST-37	ST-52	1.1730	1.2312	1.7225
	22	●	●			

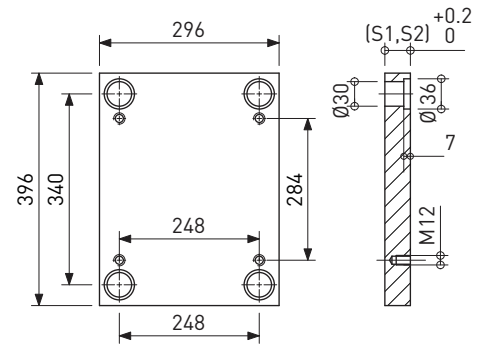
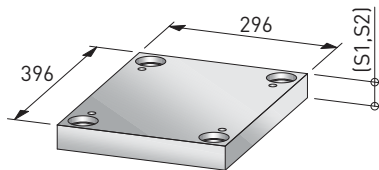


GP/P/L2/d1*L1	GP/P/L2/d1*L1	GP/P/L2/d1*L1
27/22*26	75	95
35	95	
45	46/22*45	
55	55	
65	65	
75	75	
36/22*35	95	
45	56/22*55	
55	65	
65	75	

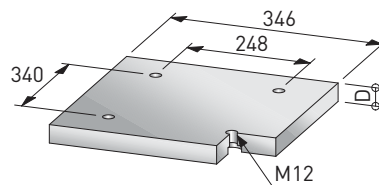
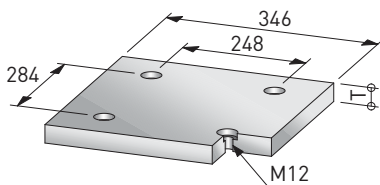
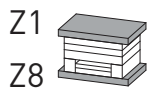


GB/P/d1*L
22*27
36
46
56
66
76
96

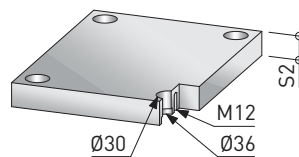
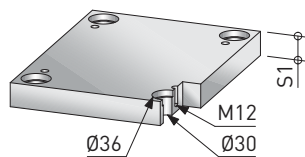
296×396



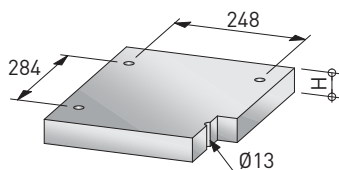
Tolerance Thickness: +0.2



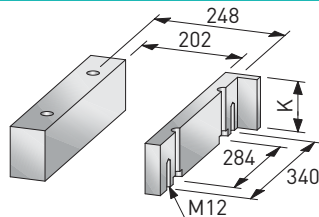
Z1,Z8/Y*X	T,D	ST-37	ST-52	1.1730	1.2312	1.7225
	27	●	●	●	●	●
	36	●	●	●	●	●



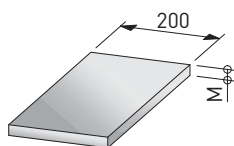
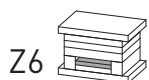
Z2,Z3/Y*X	S1,S2	ST-37	ST-52	1.1730	1.2312	1.7225
	27			●	●	●
	36			●	●	●
	46			●	●	●
	56			●	●	●
	66			●	●	●
	76			●	●	●
	86			●	●	●
	96			●	●	●



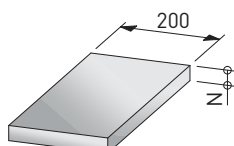
Z4/Y*X	H	ST-37	ST-52	1.1730	1.2312	1.7225
	36	●	●	●	●	●
	46	●	●	●	●	●



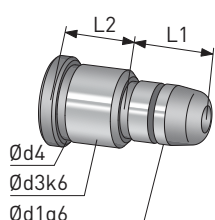
Z5/Y*X	K	ST-37	ST-52	1.1730	1.2312	1.7225
	56	●	●			
	76	●	●			
	96	●	●			



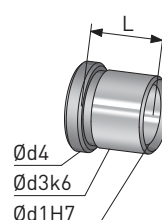
Z6/Y*X	M	ST-37	ST-52	1.1730	1.2312	1.7225
	17	●	●			



Z7/Y*X	N	ST-37	ST-52	1.1730	1.2312	1.7225
	22	●	●			

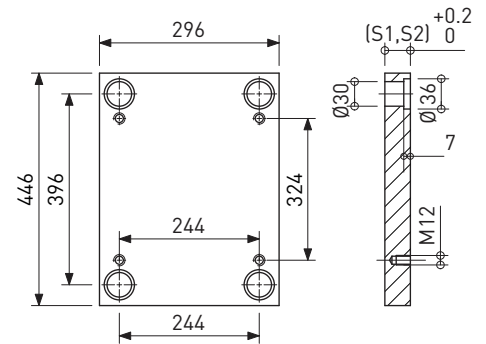
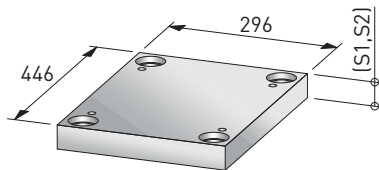


GP/P/L2/d1*L1	GP/P/L2/d1*L1	GP/P/L2/d1*L1
27/22*26	75	95
35	95	
45	46/22*45	
55	55	
65	65	
75	75	
36/22*35	95	
45	56/22*55	
55	65	
65	75	

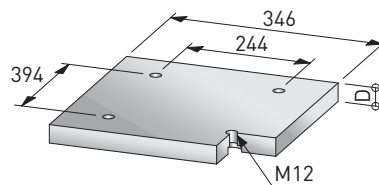
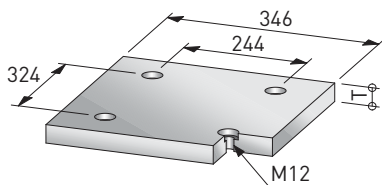
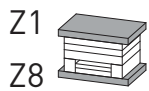


GB/P/d1*L
22*27
36
46
56
66
76
96

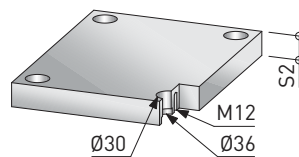
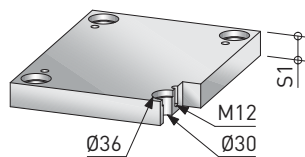
296×446



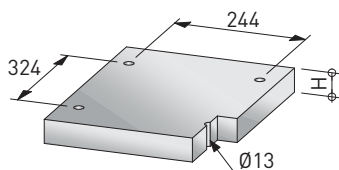
Tolerance Thickness: +0.2



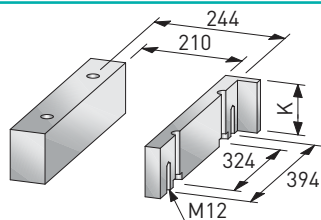
Z1,Z8/Y*X	T,D	ST-37	ST-52	1.1730	1.2312	1.7225
	27	●	●	●	●	●
	36	●	●	●	●	●



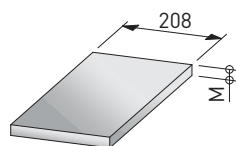
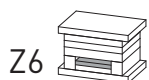
Z2,Z3/Y*X	S1,S2	ST-37	ST-52	1.1730	1.2312	1.7225
	27			●	●	●
	36			●	●	●
	46			●	●	●
	56			●	●	●
	66			●	●	●
	76			●	●	●
	86			●	●	●
	96			●	●	●



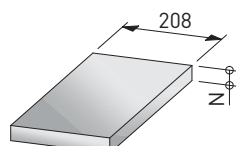
Z4/Y*X	H	ST-37	ST-52	1.1730	1.2312	1.7225
	36	●	●	●	●	●
	46	●	●	●	●	●



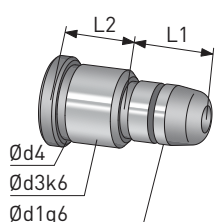
Z5/Y*X	K	ST-37	ST-52	1.1730	1.2312	1.7225
	56	●	●			
	76	●	●			
	96	●	●			



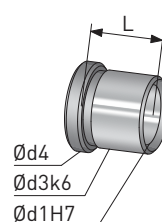
Z6/Y*X	M	ST-37	ST-52	1.1730	1.2312	1.7225
	17	●	●			



Z7/Y*X	N	ST-37	ST-52	1.1730	1.2312	1.7225
	22	●	●			

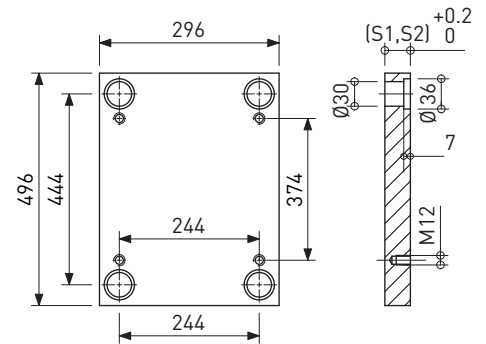
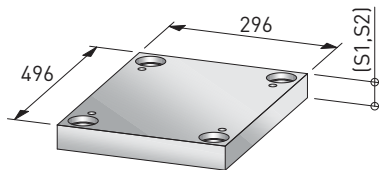


GP/P/L2/d1*L1	GP/P/L2/d1*L1	GP/P/L2/d1*L1
27/22*26	75	95
35	95	
45	46/22*45	
55	55	
65	65	
75	75	
36/22*35	95	
45	56/22*55	
55	65	
65	75	



GB/P/d1*L
22*27
36
46
56
66
76
96

296×496

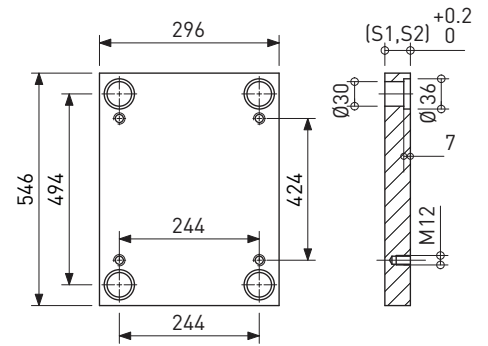
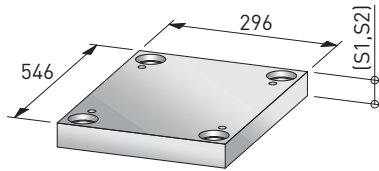


Tolerance Thickness: +0.2

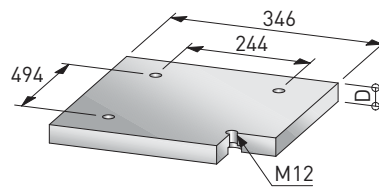
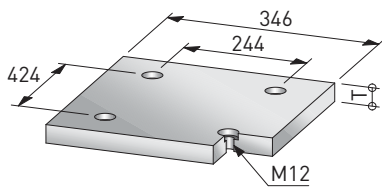
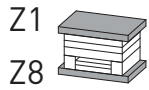
Z1				Z1,Z8/Y*X	T,D	ST-37	ST-52	1.1730	1.2312	1.7225
Z8					27	●	●	●	●	●
					36	●	●	●	●	●
Z2				Z2,Z3/Y*X	S1,S2	ST-37	ST-52	1.1730	1.2312	1.7225
Z3					27			●	●	●
					36			●	●	●
					46			●	●	●
					56			●	●	●
					66			●	●	●
					76			●	●	●
					86			●	●	●
					96			●	●	●
Z4				Z4/Y*X	H	ST-37	ST-52	1.1730	1.2312	1.7225
					36	●	●	●	●	●
					46	●	●	●	●	●
Z5				Z5/Y*X	K	ST-37	ST-52	1.1730	1.2312	1.7225
					56	●	●			
					76	●	●			
					96	●	●			
Z6				Z6/Y*X	M	ST-37	ST-52	1.1730	1.2312	1.7225
					17	●	●			
Z7				Z7/Y*X	N	ST-37	ST-52	1.1730	1.2312	1.7225
					22	●	●			

	GP/P/L2/d1*L1	GP/P/L2/d1*L1	GP/P/L2/d1*L1		GB/P/d1*L
	27/22*26	75	95		22*27
	35	95			36
	45	46/22*45			46
	55	55			56
	65	65			66
	75	75			76
	36/22*35	95			96
	45	56/22*55			
	55	65			
	65	75			

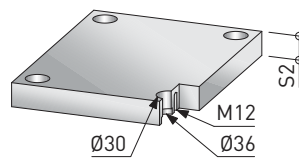
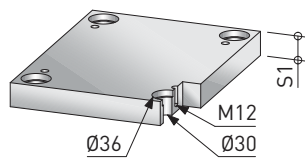
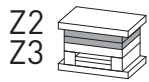
296×546



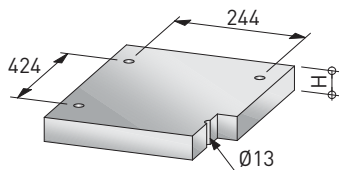
Tolerance Thickness: +0.2



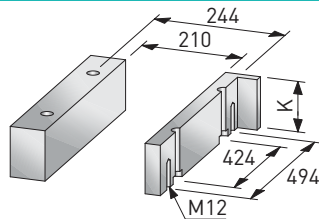
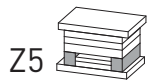
Z1,Z8/Y*X	T,D	ST-37	ST-52	1.1730	1.2312	1.7225
	27	●	●	●	●	●
	36	●	●	●	●	●



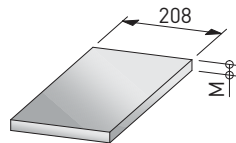
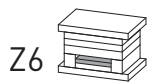
Z2,Z3/Y*X	S1,S2	ST-37	ST-52	1.1730	1.2312	1.7225
	27			●	●	●
	36			●	●	●
	46			●	●	●
	56			●	●	●
	66			●	●	●
	76			●	●	●
	86			●	●	●
	96			●	●	●



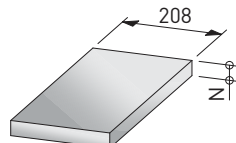
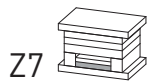
Z4/Y*X	H	ST-37	ST-52	1.1730	1.2312	1.7225
	36	●	●	●	●	●
	46	●	●	●	●	●



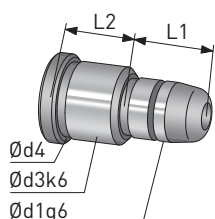
Z5/Y*X	K	ST-37	ST-52	1.1730	1.2312	1.7225
	56	●	●			
	76	●	●			
	96	●	●			



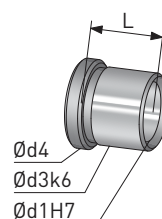
Z6/Y*X	M	ST-37	ST-52	1.1730	1.2312	1.7225
	17	●	●			



Z7/Y*X	N	ST-37	ST-52	1.1730	1.2312	1.7225
	22	●	●			

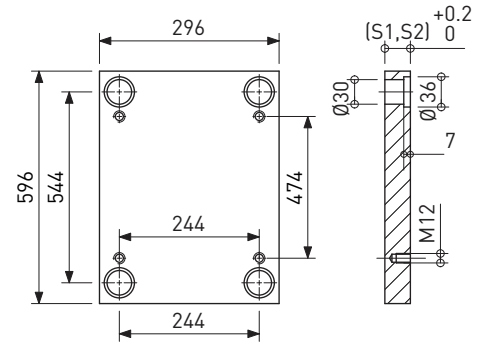
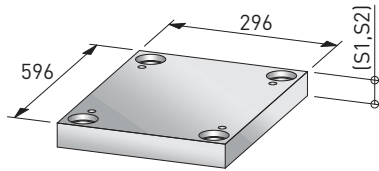


GP/P/L2/d1*L1	GP/P/L2/d1*L1	GP/P/L2/d1*L1
27/22*26	75	95
35	95	
45	46/22*45	
55	55	
65	65	
75	75	
36/22*35	95	
45	56/22*55	
55	65	
65	75	

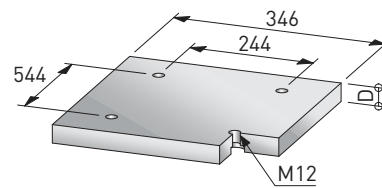
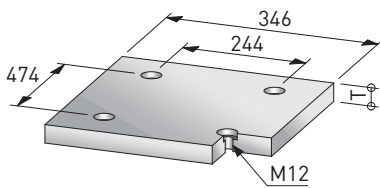
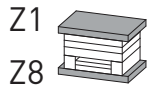


GB/P/d1*L
22*27
36
46
56
66
76
96

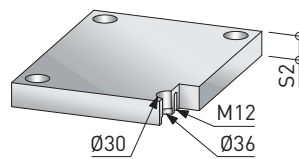
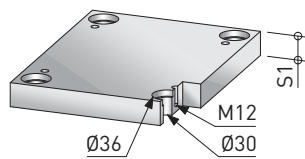
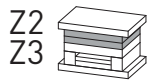
296×596



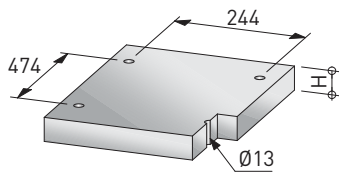
Tolerance Thickness: +0.2



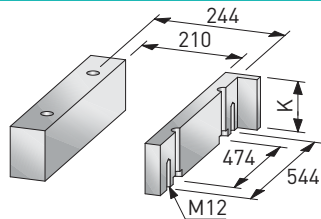
Z1,Z8/Y*X	T,D	ST-37	ST-52	1.1730	1.2312	1.7225
	27	●	●	●	●	●
	36	●	●	●	●	●



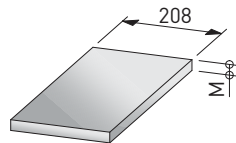
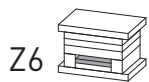
Z2,Z3/Y*X	S1,S2	ST-37	ST-52	1.1730	1.2312	1.7225
	27			●	●	●
	36			●	●	●
	46			●	●	●
	56			●	●	●
	66			●	●	●
	76			●	●	●
	86			●	●	●
	96			●	●	●



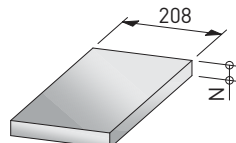
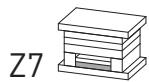
Z4/Y*X	H	ST-37	ST-52	1.1730	1.2312	1.7225
	36	●	●	●	●	●
	46	●	●	●	●	●



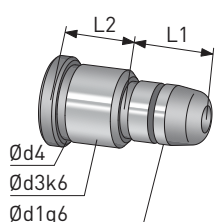
Z5/Y*X	K	ST-37	ST-52	1.1730	1.2312	1.7225
	56	●	●			
	76	●	●			
	96	●	●			



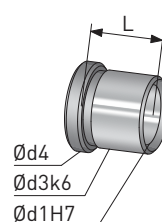
Z6/Y*X	M	ST-37	ST-52	1.1730	1.2312	1.7225
	22	●	●			



Z7/Y*X	N	ST-37	ST-52	1.1730	1.2312	1.7225
	27	●	●			

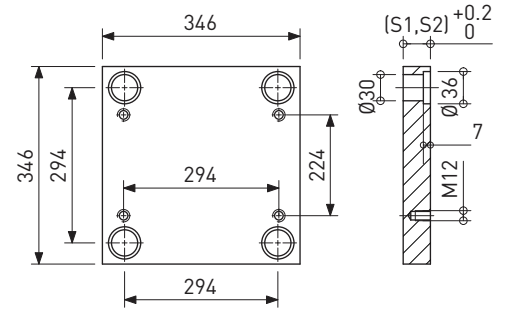
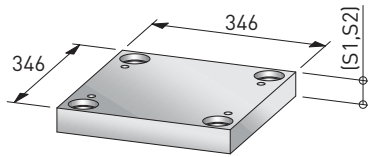


GP/P/L2/d1*L1	GP/P/L2/d1*L1	GP/P/L2/d1*L1
27/22*26	75	95
35	95	
45	46/22*45	
55	55	
65	65	
75	75	
36/22*35	95	
45	56/22*55	
55	65	
65	75	

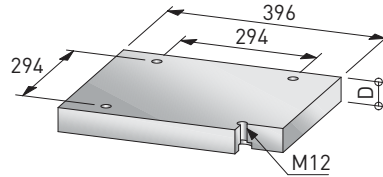
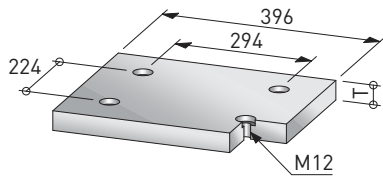
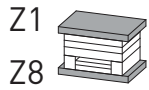


GB/P/d1*L
22*27
36
46
56
66
76
96

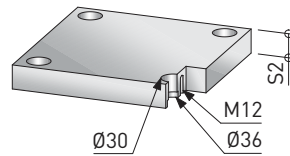
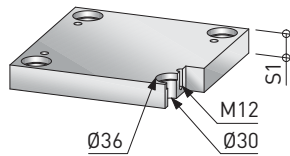
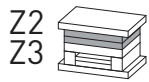
346×346



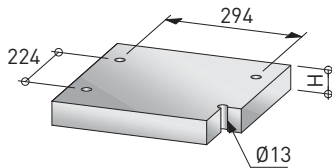
Tolerance Thickness: +0.2



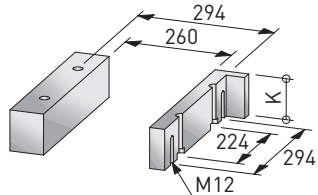
Z1,Z8/Y*X	T,D	ST-37	ST-52	1.1730	1.2312	1.7225
	27	●	●	●	●	●
	36	●	●	●	●	●



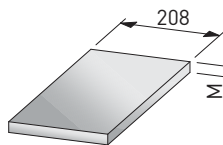
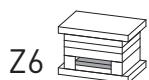
Z2,Z3/Y*X	S1,S2	ST-37	ST-52	1.1730	1.2312	1.7225
	27			●	●	●
	36			●	●	●
	46			●	●	●
	56			●	●	●
	66			●	●	●
	76			●	●	●
	86			●	●	●
	96			●	●	●



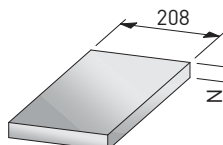
Z4/Y*X	H	ST-37	ST-52	1.1730	1.2312	1.7225
	36	●	●	●	●	●
	46	●	●	●	●	●



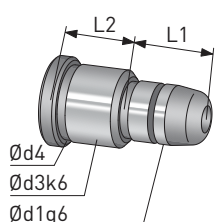
Z5/Y*X	K	ST-37	ST-52	1.1730	1.2312	1.7225
	56	●	●			
	76	●	●			
	96	●	●			



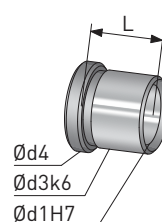
Z6/Y*X	M	ST-37	ST-52	1.1730	1.2312	1.7225
	17	●	●			



Z7/Y*X	N	ST-37	ST-52	1.1730	1.2312	1.7225
	22	●	●			

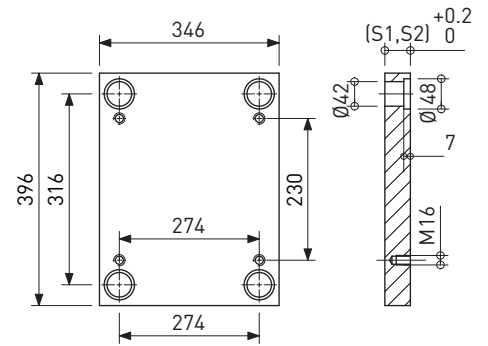
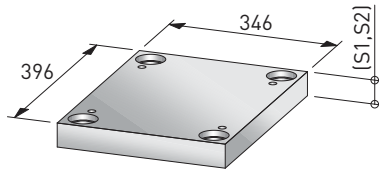


GP/P/L2/d1*L1	GP/P/L2/d1*L1	GP/P/L2/d1*L1
27/22*26	75	95
35	95	
45	46/22*45	
55	55	
65	65	
75	75	
36/22*35	95	
45	56/22*55	
55	65	
65	75	

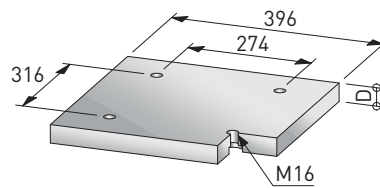
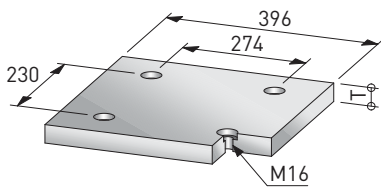
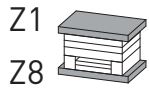


GB/P/d1*L	GB/P/d1*L
22*27	
36	
46	
56	
66	
76	
96	

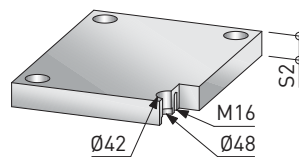
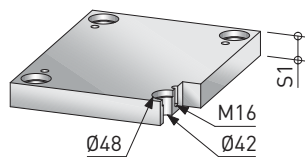
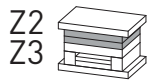
346×396



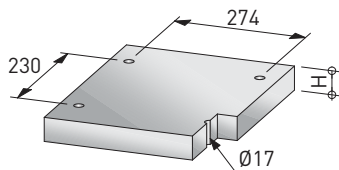
Tolerance Thickness: +0.2



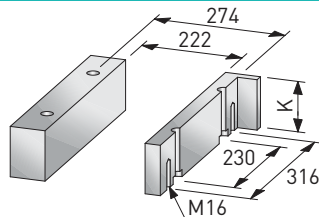
Z1,Z8/Y*X	T,D	ST-37	ST-52	1.1730	1.2312	1.7225
	36	●	●	●	●	●
	46	●	●	●	●	●



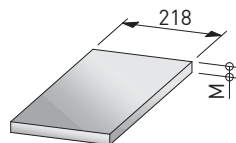
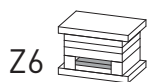
Z2,Z3/Y*X	S1,S2	ST-37	ST-52	1.1730	1.2312	1.7225
	27			●	●	●
	36			●	●	●
	46			●	●	●
	56			●	●	●
	66			●	●	●
	76			●	●	●
	86			●	●	●
	96			●	●	●



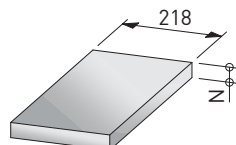
Z4/Y*X	H	ST-37	ST-52	1.1730	1.2312	1.7225
	36	●	●	●	●	●
	46	●	●	●	●	●



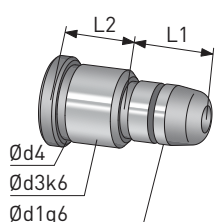
Z5/Y*X	K	ST-37	ST-52	1.1730	1.2312	1.7225
	56	●	●			
	76	●	●			
	96	●	●			



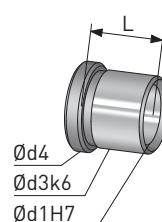
Z6/Y*X	M	ST-37	ST-52	1.1730	1.2312	1.7225
	17	●	●			



Z7/Y*X	N	ST-37	ST-52	1.1730	1.2312	1.7225
	22	●	●			

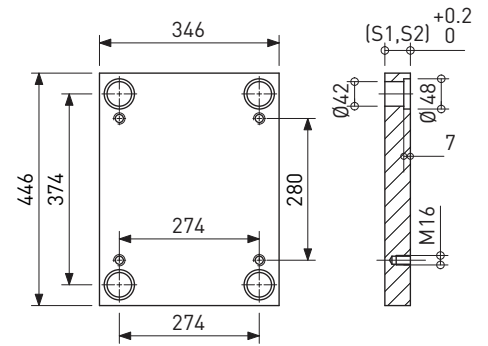
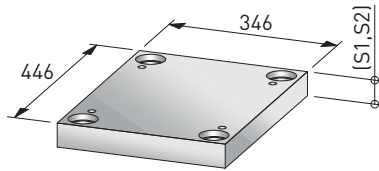


GP/P/L2/d1*L1	GP/P/L2/d1*L1
46/30*45	95
55	
65	
85	
56/30*55	
75	
95	
66/30*75	
95	
76/30*75	

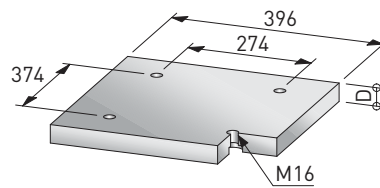
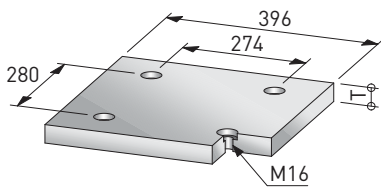
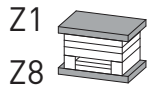


GB/P/d1*L
30*46
56
66
76
86
96

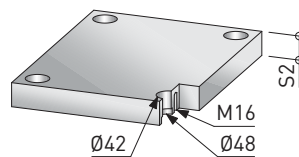
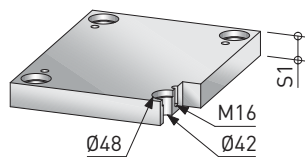
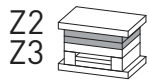
346×446



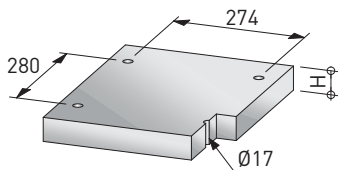
Tolerance Thickness: +0.2



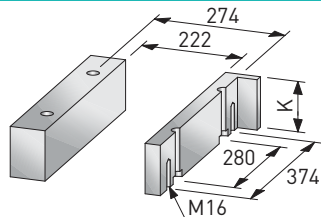
Z1,Z8/Y*X	T,D	ST-37	ST-52	1.1730	1.2312	1.7225
	36	●	●	●	●	●
	46	●	●	●	●	●



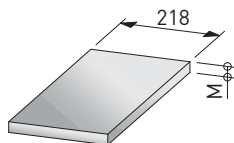
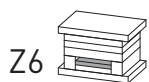
Z2,Z3/Y*X	S1,S2	ST-37	ST-52	1.1730	1.2312	1.7225
	27			●	●	●
	36			●	●	●
	46			●	●	●
	56			●	●	●
	66			●	●	●
	76			●	●	●
	86			●	●	●
	96			●	●	●



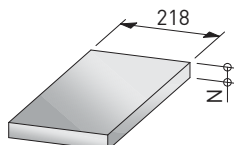
Z4/Y*X	H	ST-37	ST-52	1.1730	1.2312	1.7225
	36	●	●	●	●	●
	46	●	●	●	●	●



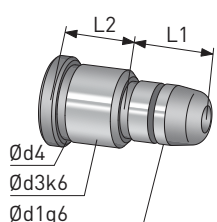
Z5/Y*X	K	ST-37	ST-52	1.1730	1.2312	1.7225
	56	●	●			
	76	●	●			
	96	●	●			



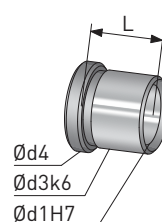
Z6/Y*X	M	ST-37	ST-52	1.1730	1.2312	1.7225
	17	●	●			



Z7/Y*X	N	ST-37	ST-52	1.1730	1.2312	1.7225
	22	●	●			

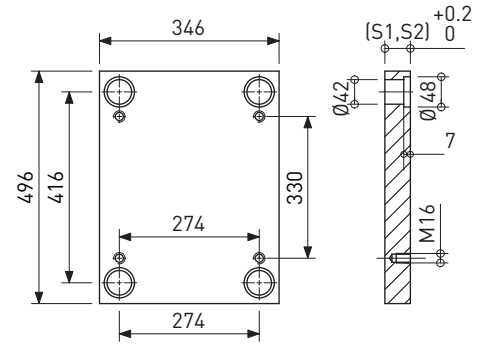
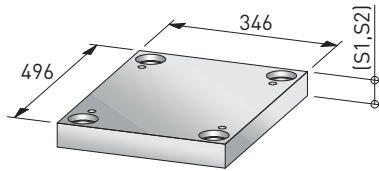


GP/P/L2/d1*L1
46/30*45
65
85
56/30*55
75
95
66/30*75
95
76/30*75
95

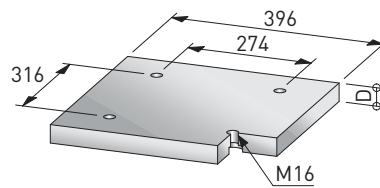
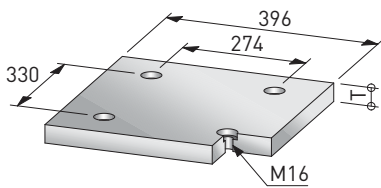
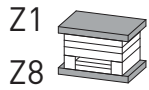


GB/P/d1*L
30*46
56
66
76
86
96

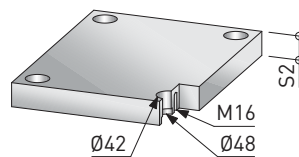
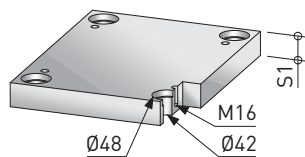
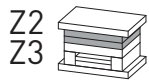
346×496



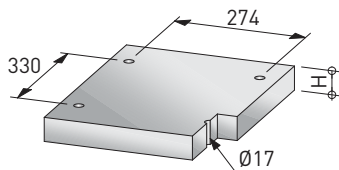
Tolerance Thickness: +0.2



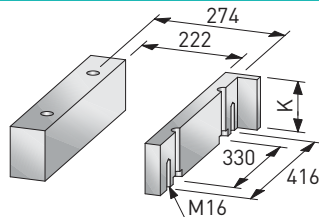
Z1,Z8/Y*X	T,D	ST-37	ST-52	1.1730	1.2312	1.7225
	36	●	●	●	●	●
	46	●	●	●	●	●



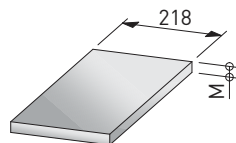
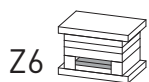
Z2,Z3/Y*X	S1,S2	ST-37	ST-52	1.1730	1.2312	1.7225
	27			●	●	●
	36			●	●	●
	46			●	●	●
	56			●	●	●
	66			●	●	●
	76			●	●	●
	86			●	●	●
	96			●	●	●



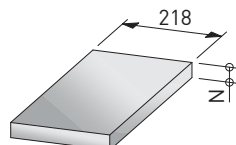
Z4/Y*X	H	ST-37	ST-52	1.1730	1.2312	1.7225
	36	●	●	●	●	●
	46	●	●	●	●	●



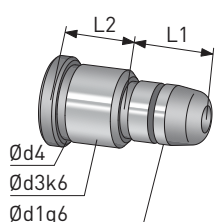
Z5/Y*X	K	ST-37	ST-52	1.1730	1.2312	1.7225
	56	●	●			
	76	●	●			
	96	●	●			



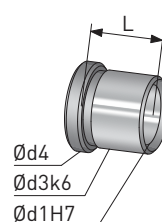
Z6/Y*X	M	ST-37	ST-52	1.1730	1.2312	1.7225
	17	●	●			



Z7/Y*X	N	ST-37	ST-52	1.1730	1.2312	1.7225
	22	●	●			

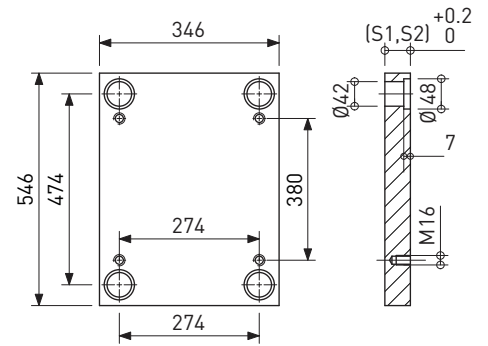
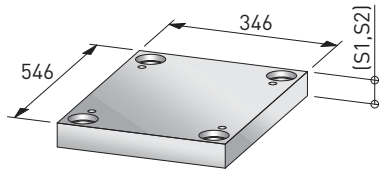


GP/P/L2/d1*L1
46/30*45
65
85
56/30*55
75
95
66/30*75
95
76/30*75
95

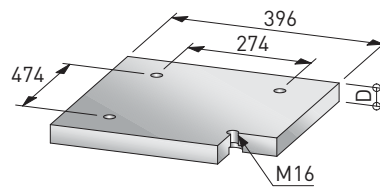
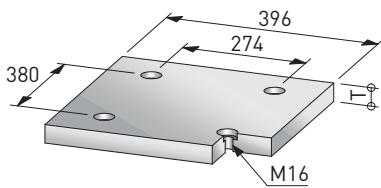
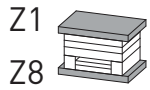


GB/P/d1*L
30*46
56
66
76
86
96

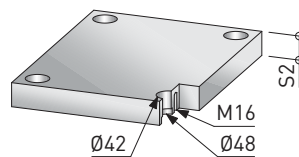
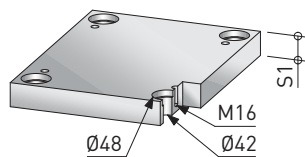
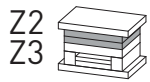
346×546



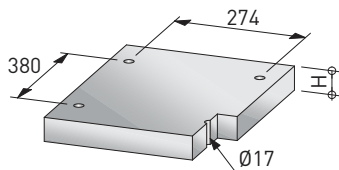
Tolerance Thickness: +0.2



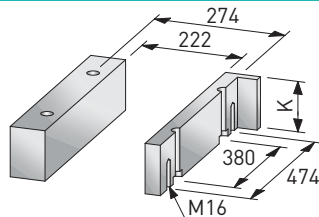
Z1,Z8/Y*X	T,D	ST-37	ST-52	1.1730	1.2312	1.7225
	36	●	●	●	●	●
	46	●	●	●	●	●



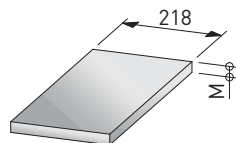
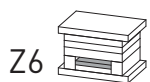
Z2,Z3/Y*X	S1,S2	ST-37	ST-52	1.1730	1.2312	1.7225
	36			●	●	●
	46			●	●	●
	56			●	●	●
	66			●	●	●
	76			●	●	●
	86			●	●	●
	96			●	●	●
	116			●	●	●



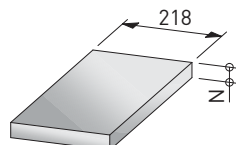
Z4/Y*X	H	ST-37	ST-52	1.1730	1.2312	1.7225
	36	●	●	●	●	●
	46	●	●	●	●	●



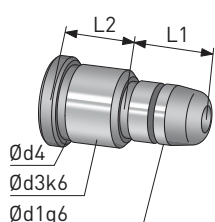
Z5/Y*X	K	ST-37	ST-52	1.1730	1.2312	1.7225
	76	●	●			
	96	●	●			
	116	●	●			



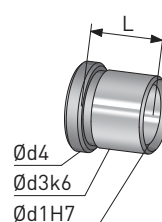
Z6/Y*X	M	ST-37	ST-52	1.1730	1.2312	1.7225
	22	●	●			



Z7/Y*X	N	ST-37	ST-52	1.1730	1.2312	1.7225
	27	●	●			

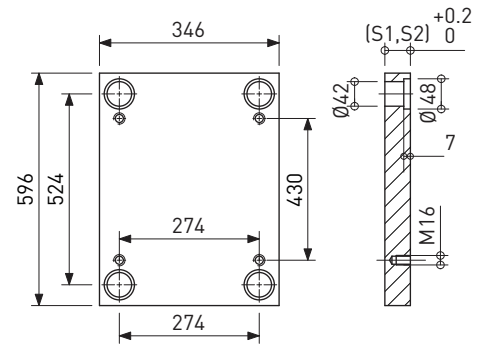
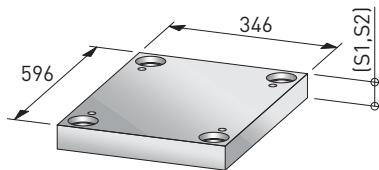


GP/P/L2/d1*L1	GP/P/L2/d1*L1
46/30*45	76/30*75
65	95
85	115
56/30*55	
75	
95	
115	
66/30*75	
95	
115	

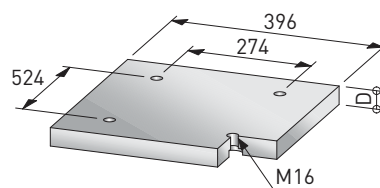
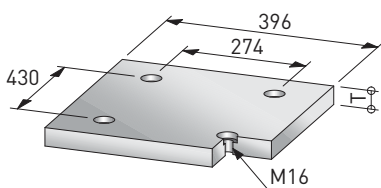
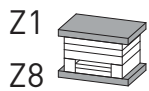


GB/P/d1*L
30*46
56
66
76
86
96
116

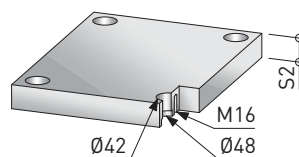
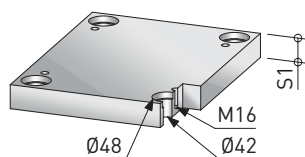
346×596



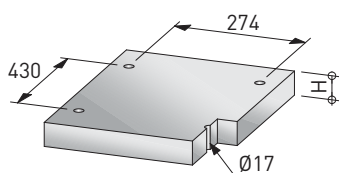
Tolerance Thickness: +0.2



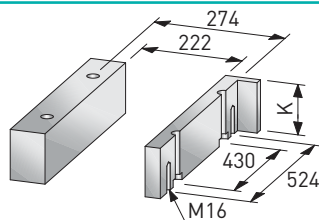
Z1,Z8/Y*X	T,D	ST-37	ST-52	1.1730	1.2312	1.7225
	36	●	●	●	●	●
	46	●	●	●	●	●



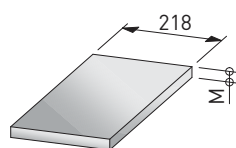
Z2,Z3/Y*X	S1,S2	ST-37	ST-52	1.1730	1.2312	1.7225
	36			●	●	●
	46			●	●	●
	56			●	●	●
	66			●	●	●
	76			●	●	●
	86			●	●	●
	96			●	●	●
	116			●	●	●



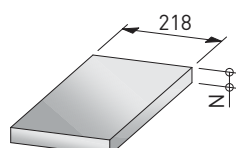
Z4/Y*X	H	ST-37	ST-52	1.1730	1.2312	1.7225
	36	●	●	●	●	●
	46	●	●	●	●	●



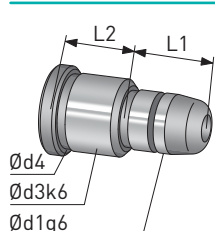
Z5/Y*X	K	ST-37	ST-52	1.1730	1.2312	1.7225
	76	●	●			
	96	●	●			
	116	●	●			



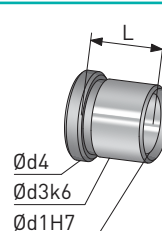
Z6/Y*X	M	ST-37	ST-52	1.1730	1.2312	1.7225
	22	●	●			



Z7/Y*X	N	ST-37	ST-52	1.1730	1.2312	1.7225
	27	●	●			

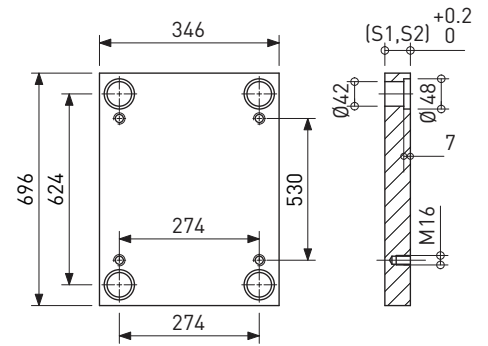
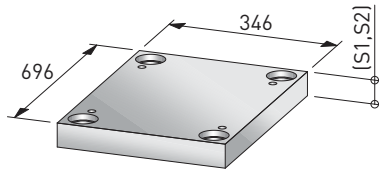


GP/P/L2/d1*L1	GP/P/L2/d1*L1
46/30*45	76/30*75
65	95
85	115
56/30*55	
75	
95	
115	
66/30*75	
95	
115	

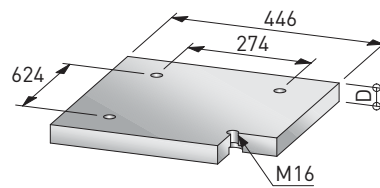
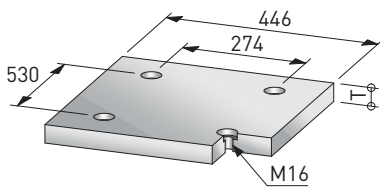
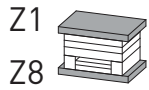


GB/P/d1*L
30*46
56
66
76
86
96
116

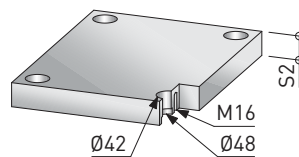
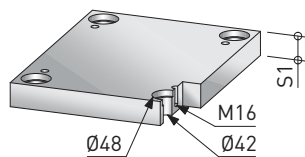
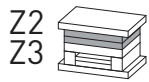
346×696



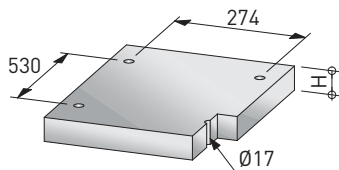
Tolerance Thickness: +0.2



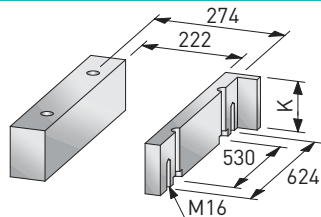
Z1,Z8/Y*X	T,D	ST-37	ST-52	1.1730	1.2312	1.7225
	36	●	●	●	●	●
	46	●	●	●	●	●



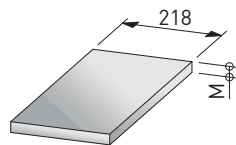
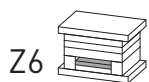
Z2,Z3/Y*X	S1,S2	ST-37	ST-52	1.1730	1.2312	1.7225
	36			●	●	●
	46			●	●	●
	56			●	●	●
	66			●	●	●
	76			●	●	●
	86			●	●	●
	96			●	●	●
	116			●	●	●



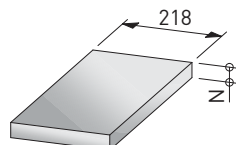
Z4/Y*X	H	ST-37	ST-52	1.1730	1.2312	1.7225
	36	●	●	●	●	●
	46	●	●	●	●	●



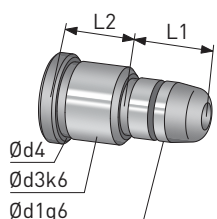
Z5/Y*X	K	ST-37	ST-52	1.1730	1.2312	1.7225
	76	●	●			
	96	●	●			
	116	●	●			



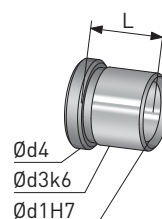
Z6/Y*X	M	ST-37	ST-52	1.1730	1.2312	1.7225
	22	●	●			



Z7/Y*X	N	ST-37	ST-52	1.1730	1.2312	1.7225
	27	●	●			

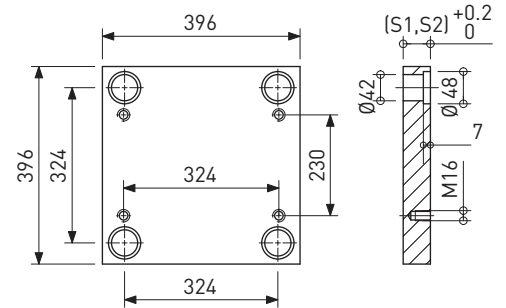
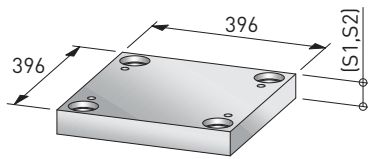


GP/P/L2/d1*L1	GP/P/L2/d1*L1
46/30*45	76/30*75
65	95
85	115
56/30*55	
75	
95	
115	
66/30*75	
95	
115	

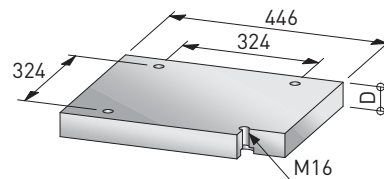
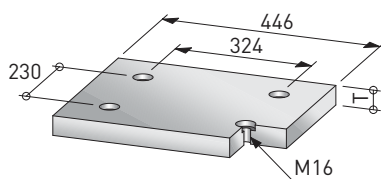
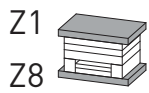


GB/P/d1*L
30*46
56
66
76
86
96
116

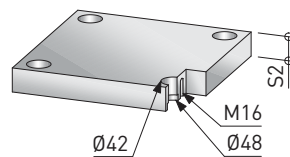
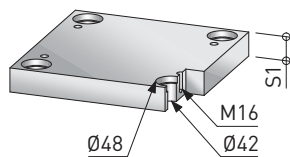
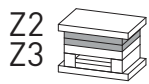
396×396



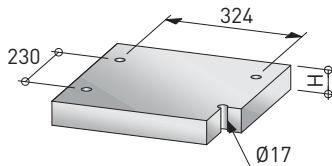
Tolerance Thickness: +0.2



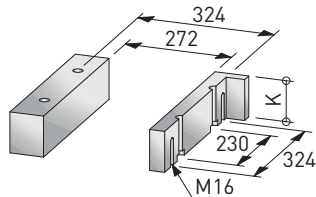
Z1,Z8/Y*X	T,D	ST-37	ST-52	1.1730	1.2312	1.7225
	36	●	●	●	●	●
	46	●	●	●	●	●



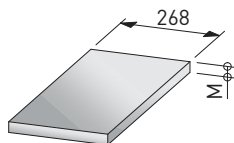
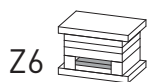
Z2,Z3/Y*X	S1,S2	ST-37	ST-52	1.1730	1.2312	1.7225
	27			●	●	●
	36			●	●	●
	46			●	●	●
	56			●	●	●
	66			●	●	●
	76			●	●	●
	86			●	●	●
	96			●	●	●



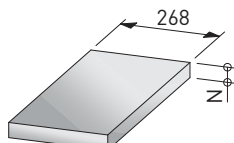
Z4/Y*X	H	ST-37	ST-52	1.1730	1.2312	1.7225
	36	●	●	●	●	●
	46	●	●	●	●	●



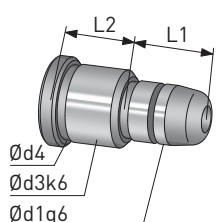
Z5/Y*X	K	ST-37	ST-52	1.1730	1.2312	1.7225
	56	●	●			
	76	●	●			
	96	●	●			



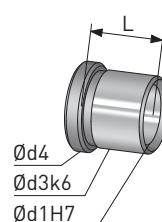
Z6/Y*X	M	ST-37	ST-52	1.1730	1.2312	1.7225
	17	●	●			



Z7/Y*X	N	ST-37	ST-52	1.1730	1.2312	1.7225
	22	●	●			

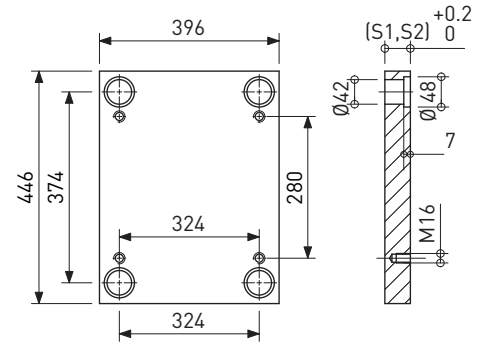
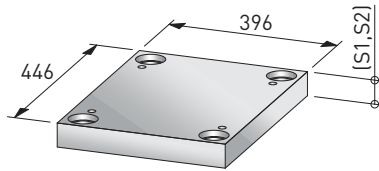


GP/P/L2/d1*L1
46/30*45
65
85
56/30*55
75
95
66/30*75
95
76/30*75
95

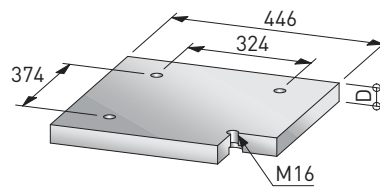
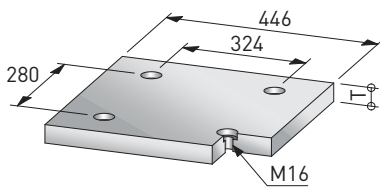
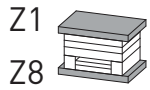


GB/P/d1*L
30*46
56
66
76
86
96

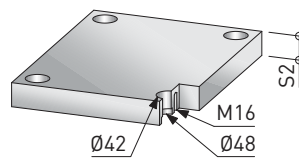
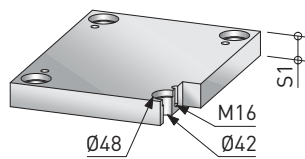
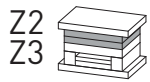
396×446



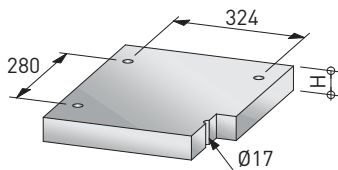
Tolerance Thickness: +0.2



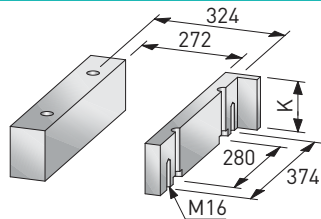
Z1,Z8/Y*X	T,D	ST-37	ST-52	1.1730	1.2312	1.7225
	36	●	●	●	●	●
	46	●	●	●	●	●



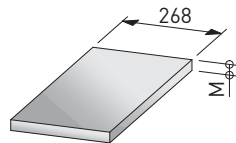
Z2,Z3/Y*X	S1,S2	ST-37	ST-52	1.1730	1.2312	1.7225
	27			●	●	●
	36			●	●	●
	46			●	●	●
	56			●	●	●
	66			●	●	●
	76			●	●	●
	86			●	●	●
	96			●	●	●
	116			●	●	●



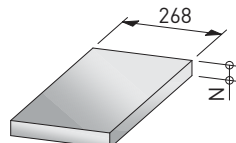
Z4/Y*X	H	ST-37	ST-52	1.1730	1.2312	1.7225
	36	●	●	●	●	●
	46	●	●	●	●	●



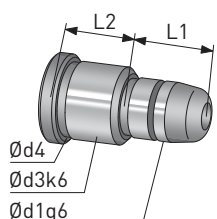
Z5/Y*X	K	ST-37	ST-52	1.1730	1.2312	1.7225
	56	●	●			
	76	●	●			
	96	●	●			



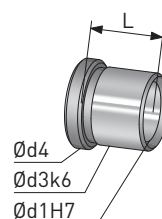
Z6/Y*X	M	ST-37	ST-52	1.1730	1.2312	1.7225
	17	●	●			



Z7/Y*X	N	ST-37	ST-52	1.1730	1.2312	1.7225
	22	●	●			

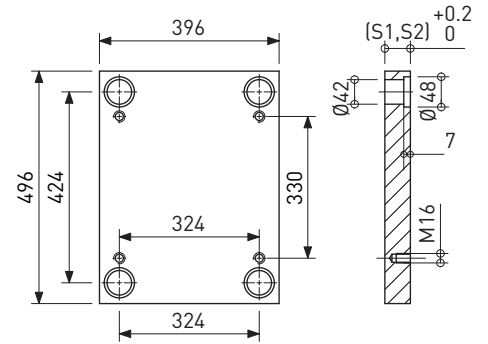
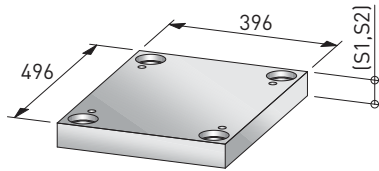


GP/P/L2/d1*L1	GP/P/L2/d1*L1
46/30*45	76/30*75
65	95
85	115
56/30*55	
75	
95	
115	
66/30*75	
95	
115	

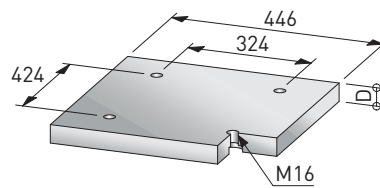
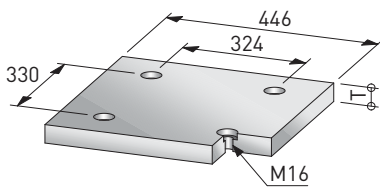
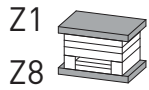


GB/P/d1*L
30*46
56
66
76
86
96
116

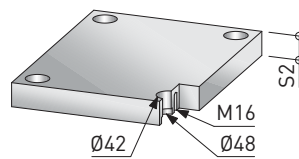
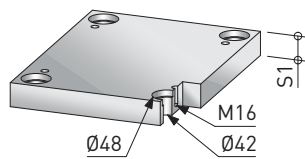
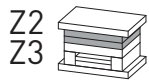
396×496



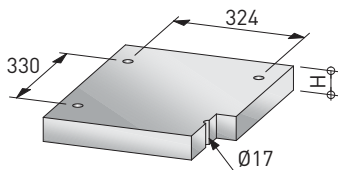
Tolerance Thickness: +0.2



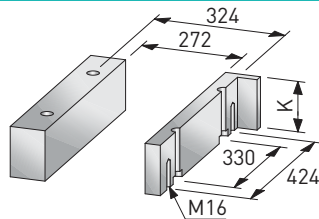
Z1,Z8/Y*X	T,D	ST-37	ST-52	1.1730	1.2312	1.7225
	36	●	●	●	●	●
	46	●	●	●	●	●



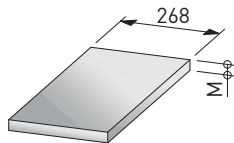
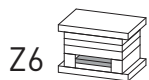
Z2,Z3/Y*X	S1,S2	ST-37	ST-52	1.1730	1.2312	1.7225
	27			●	●	●
	36			●	●	●
	46			●	●	●
	56			●	●	●
	66			●	●	●
	76			●	●	●
	86			●	●	●
	96			●	●	●
	116			●	●	●



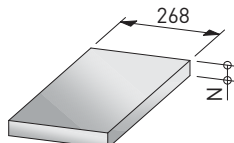
Z4/Y*X	H	ST-37	ST-52	1.1730	1.2312	1.7225
	36	●	●	●	●	●
	46	●	●	●	●	●



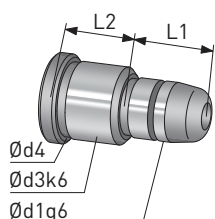
Z5/Y*X	K	ST-37	ST-52	1.1730	1.2312	1.7225
	76	●	●			
	96	●	●			
	116	●	●			



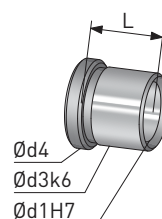
Z6/Y*X	M	ST-37	ST-52	1.1730	1.2312	1.7225
	22	●	●			



Z7/Y*X	N	ST-37	ST-52	1.1730	1.2312	1.7225
	27	●	●			

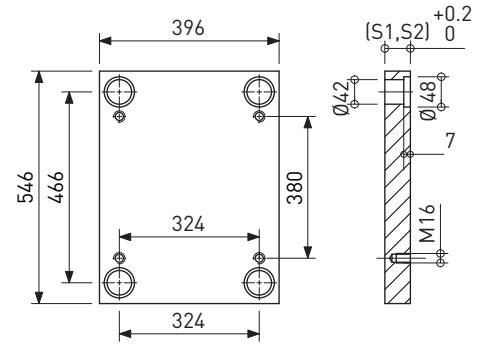
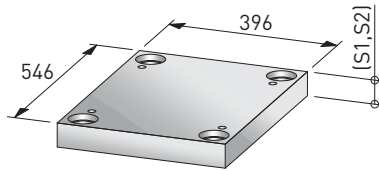


GP/P/L2/d1*L1	GP/P/L2/d1*L1
46/30*45	76/30*75
65	95
85	115
56/30*55	
75	
95	
115	
66/30*75	
95	
115	

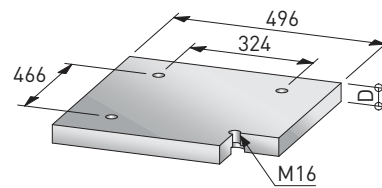
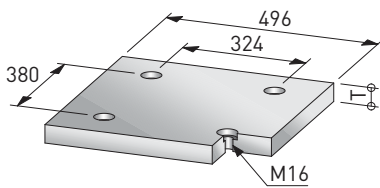
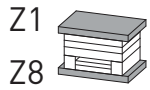


GB/P/d1*L
30*46
56
66
76
86
96
116

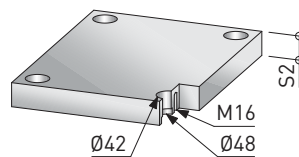
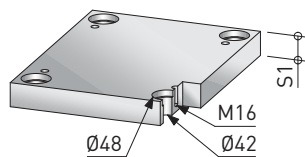
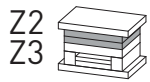
396×546



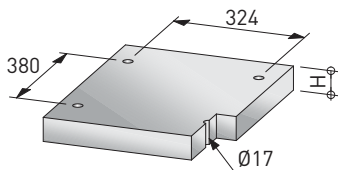
Tolerance Thickness: +0.2



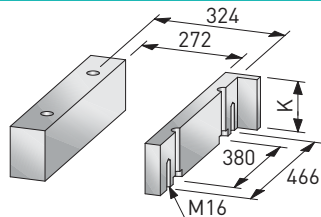
Z1,Z8/Y*X	T,D	ST-37	ST-52	1.1730	1.2312	1.7225
	36	●	●	●	●	●
	46	●	●	●	●	●



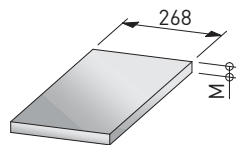
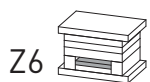
Z2,Z3/Y*X	S1,S2	ST-37	ST-52	1.1730	1.2312	1.7225
	27			●	●	●
	36			●	●	●
	46			●	●	●
	56			●	●	●
	66			●	●	●
	76			●	●	●
	86			●	●	●
	96			●	●	●
	116			●	●	●



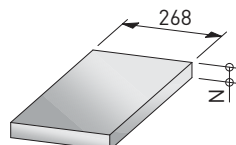
Z4/Y*X	H	ST-37	ST-52	1.1730	1.2312	1.7225
	46	●	●	●	●	●
	56	●	●	●	●	●



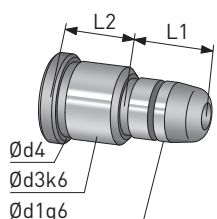
Z5/Y*X	K	ST-37	ST-52	1.1730	1.2312	1.7225
	76	●	●			
	96	●	●			
	116	●	●			



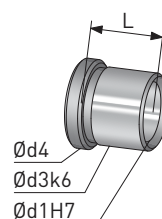
Z6/Y*X	M	ST-37	ST-52	1.1730	1.2312	1.7225
	17	●	●			



Z7/Y*X	N	ST-37	ST-52	1.1730	1.2312	1.7225
	27	●	●			

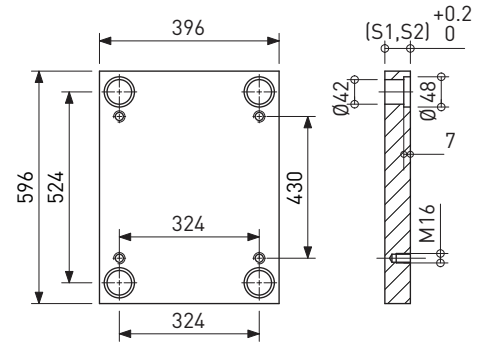
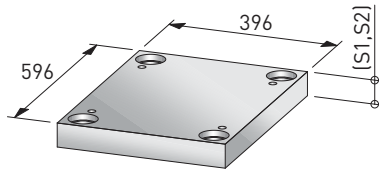


GP/P/L2/d1*L1	GP/P/L2/d1*L1
46/30*45	76/30*75
65	95
85	115
56/30*55	
75	
95	
115	
66/30*75	
95	
115	

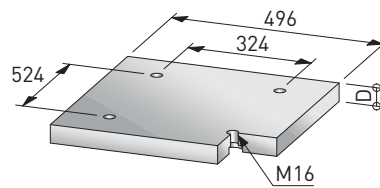
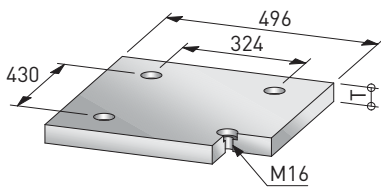
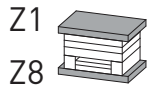


GB/P/d1*L
30*46
56
66
76
86
96
116

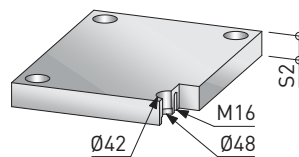
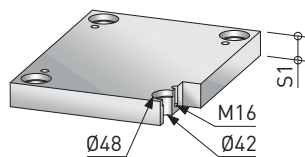
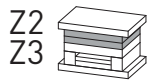
396×596



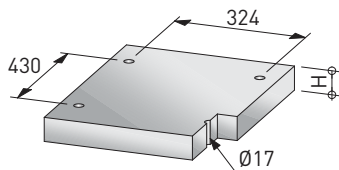
Tolerance Thickness: +0.2



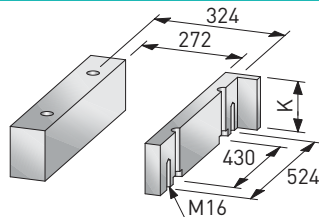
Z1,Z8/Y*X	T,D	ST-37	ST-52	1.1730	1.2312	1.7225
	36	●	●	●	●	●
	46	●	●	●	●	●



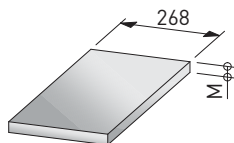
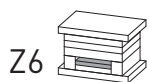
Z2,Z3/Y*X	S1,S2	ST-37	ST-52	1.1730	1.2312	1.7225
	36			●	●	●
	46			●	●	●
	56			●	●	●
	66			●	●	●
	76			●	●	●
	86			●	●	●
	96			●	●	●
	116			●	●	●



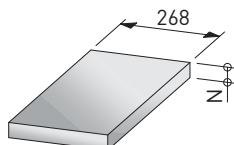
Z4/Y*X	H	ST-37	ST-52	1.1730	1.2312	1.7225
	46	●	●	●	●	●
	56	●	●	●	●	●



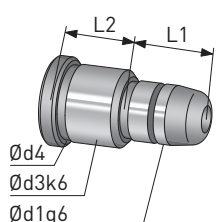
Z5/Y*X	K	ST-37	ST-52	1.1730	1.2312	1.7225
	76	●	●			
	96	●	●			
	116	●	●			



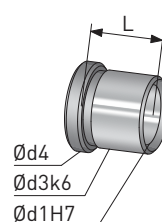
Z6/Y*X	M	ST-37	ST-52	1.1730	1.2312	1.7225
	22	●	●			



Z7/Y*X	N	ST-37	ST-52	1.1730	1.2312	1.7225
	27	●	●			

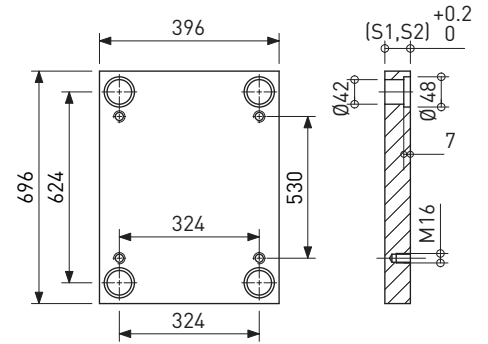
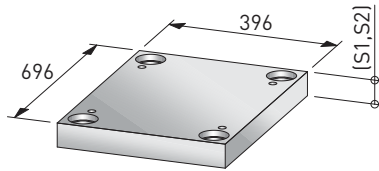


GP/P/L2/d1*L1	GP/P/L2/d1*L1
46/30*45	76/30*75
65	95
85	115
56/30*55	
75	
95	
115	
66/30*75	
95	
115	

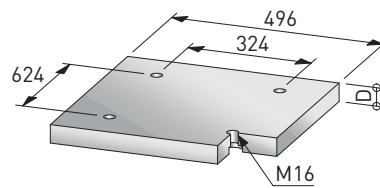
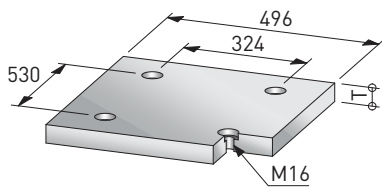
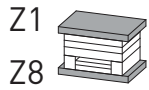


GB/P/d1*L
30*46
56
66
76
86
96
116

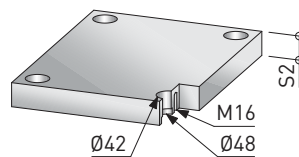
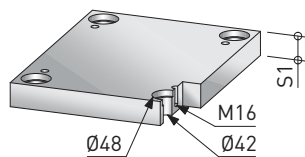
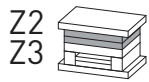
396×696



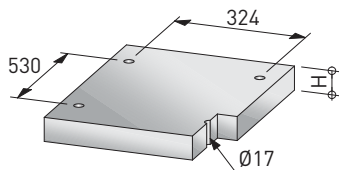
Tolerance Thickness: +0.2



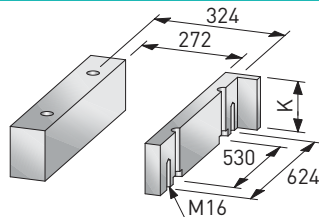
Z1,Z8/Y*X	T,D	ST-37	ST-52	1.1730	1.2312	1.7225
	46	●	●	●	●	●
	56	●	●	●	●	●



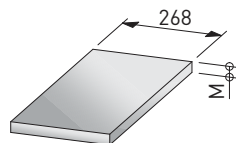
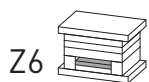
Z2,Z3/Y*X	S1,S2	ST-37	ST-52	1.1730	1.2312	1.7225
	36			●	●	●
	46			●	●	●
	56			●	●	●
	66			●	●	●
	76			●	●	●
	86			●	●	●
	96			●	●	●
	116			●	●	●



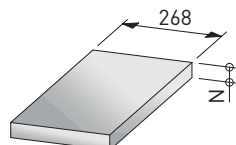
Z4/Y*X	H	ST-37	ST-52	1.1730	1.2312	1.7225
	46	●	●	●	●	●
	56	●	●	●	●	●



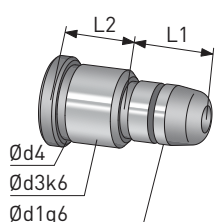
Z5/Y*X	K	ST-37	ST-52	1.1730	1.2312	1.7225
	76	●	●			
	96	●	●			
	116	●	●			



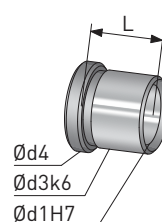
Z6/Y*X	M	ST-37	ST-52	1.1730	1.2312	1.7225
	27	●	●			



Z7/Y*X	N	ST-37	ST-52	1.1730	1.2312	1.7225
	36	●	●			

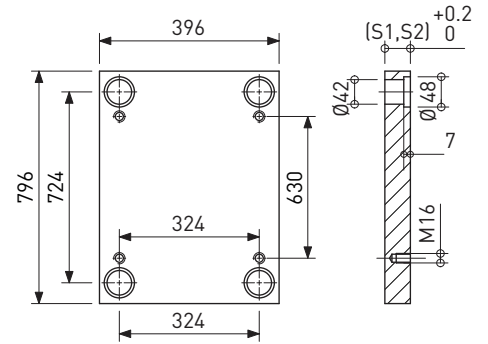
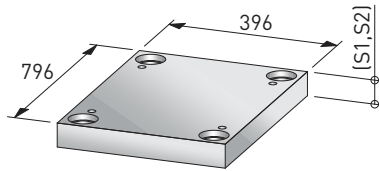


GP/P/L2/d1*L1	GP/P/L2/d1*L1
46/30*45	76/30*75
65	95
85	115
56/30*55	
75	
95	
115	
66/30*75	
95	
115	

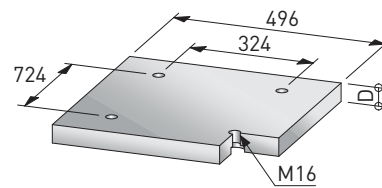
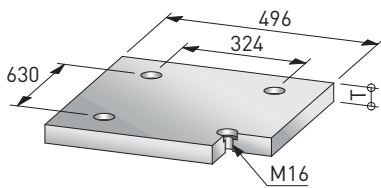


GB/P/d1*L
30*46
56
66
76
86
96
116

396×796

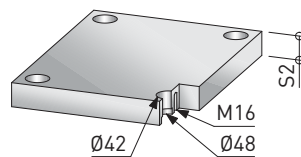
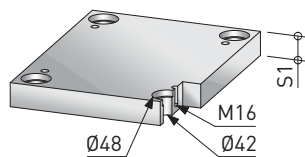


Z1
Z8



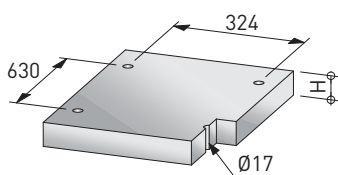
Z1,Z8/Y*X	T,D	ST-37	ST-52	1.1730	1.2312	1.7225
	46	●	●	●	●	●
	56	●	●	●	●	●

Z2
Z3



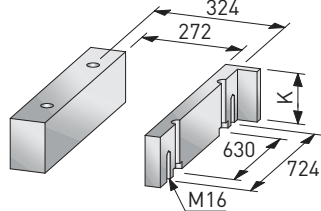
Z2,Z3/Y*X	S1,S2	ST-37	ST-52	1.1730	1.2312	1.7225
	36			●	●	●
	46			●	●	●
	56			●	●	●
	66			●	●	●
	76			●	●	●
	86			●	●	●
	96			●	●	●
	116			●	●	●

Z4



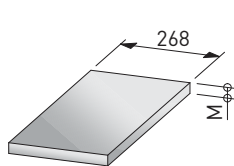
Z4/Y*X	H	ST-37	ST-52	1.1730	1.2312	1.7225
	46	●	●	●	●	●
	56	●	●	●	●	●

Z5



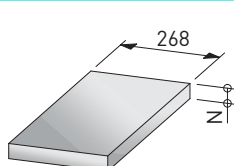
Z5/Y*X	K	ST-37	ST-52	1.1730	1.2312	1.7225
	76	●	●			
	96	●	●			
	116	●	●			

Z6

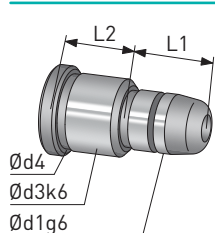


Z6/Y*X	M	ST-37	ST-52	1.1730	1.2312	1.7225
	27	●	●			

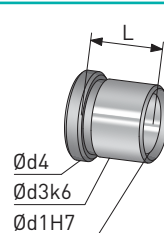
Z7



Z7/Y*X	N	ST-37	ST-52	1.1730	1.2312	1.7225
	36	●	●			

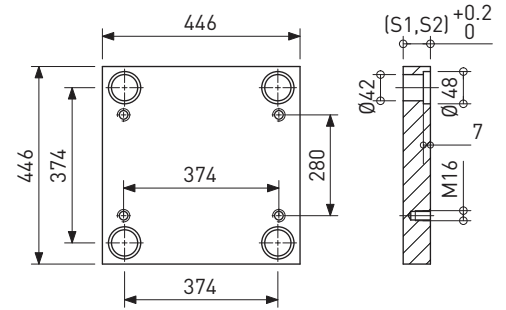
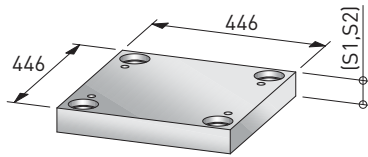


GP/P/L2/d1*L1	GP/P/L2/d1*L1
46/30*45	76/30*75
65	95
85	115
56/30*55	
75	
95	
115	
66/30*75	
95	
115	

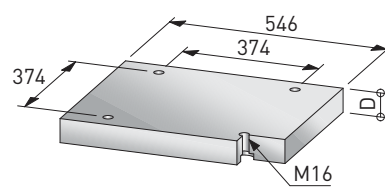
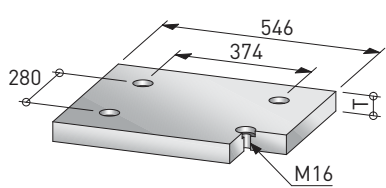
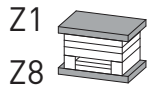


GB/P/d1*L
30*46
56
66
76
86
96
116

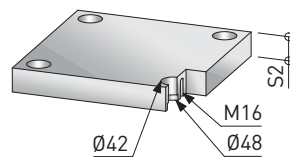
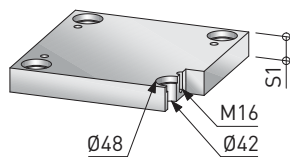
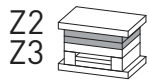
446×446



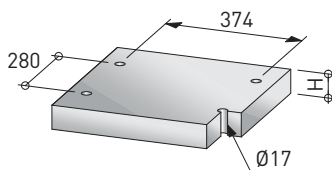
Tolerance Thickness: +0.2



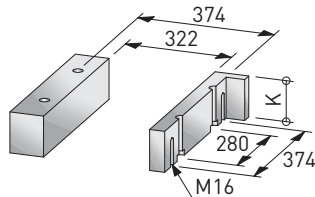
Z1,Z8/Y*X	T,D	ST-37	ST-52	1.1730	1.2312	1.7225
	36	●	●	●	●	●
	46	●	●	●	●	●



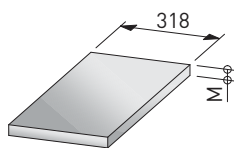
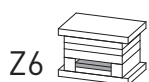
Z2,Z3/Y*X	S1,S2	ST-37	ST-52	1.1730	1.2312	1.7225
	27			●	●	●
	36			●	●	●
	46			●	●	●
	56			●	●	●
	66			●	●	●
	76			●	●	●
	86			●	●	●
	96			●	●	●



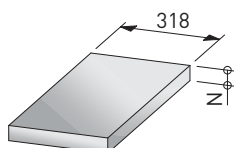
Z4/Y*X	H	ST-37	ST-52	1.1730	1.2312	1.7225
	36	●	●	●	●	●
	46	●	●	●	●	●



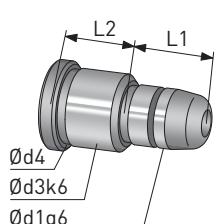
Z5/Y*X	K	ST-37	ST-52	1.1730	1.2312	1.7225
	56	●	●			
	76	●	●			
	96	●	●			



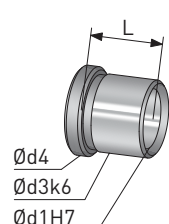
Z6/Y*X	M	ST-37	ST-52	1.1730	1.2312	1.7225
	17	●	●			



Z7/Y*X	N	ST-37	ST-52	1.1730	1.2312	1.7225
	27	●	●			

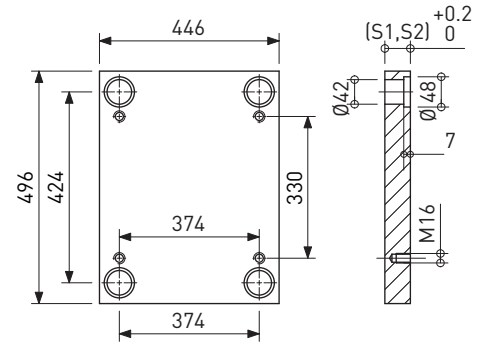
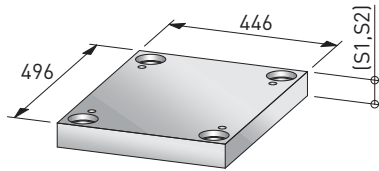


GP/P/L2/d1*L1
46/30*45
65
85
56/30*55
75
95
66/30*75
95
76/30*75
95

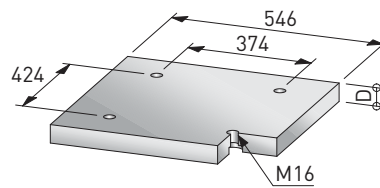
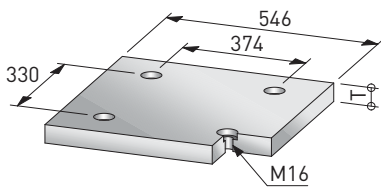
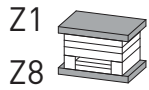


GB/P/d1*L
30*46
56
66
76
86
96

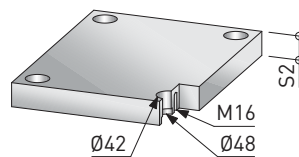
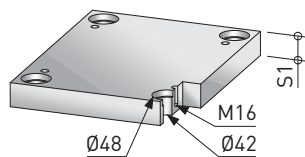
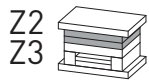
446×496



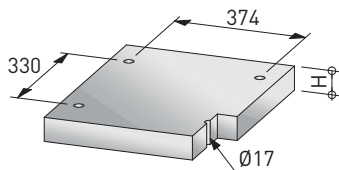
Tolerance Thickness: +0.2



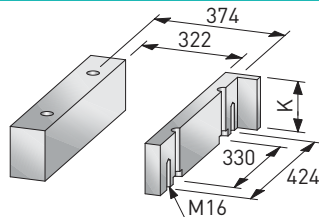
Z1,Z8/Y*X	T,D	ST-37	ST-52	1.1730	1.2312	1.7225
	36	●	●	●	●	●
	46	●	●	●	●	●



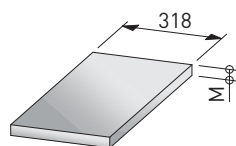
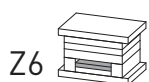
Z2,Z3/Y*X	S1,S2	ST-37	ST-52	1.1730	1.2312	1.7225
	36			●	●	●
	46			●	●	●
	56			●	●	●
	66			●	●	●
	76			●	●	●
	86			●	●	●
	96			●	●	●
	116			●	●	●



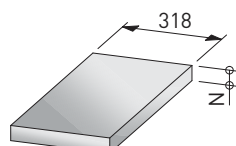
Z4/Y*X	H	ST-37	ST-52	1.1730	1.2312	1.7225
	46	●	●	●	●	●
	56	●	●	●	●	●



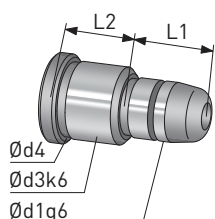
Z5/Y*X	K	ST-37	ST-52	1.1730	1.2312	1.7225
	76	●	●			
	96	●	●			
	116	●	●			



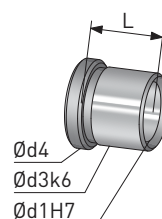
Z6/Y*X	M	ST-37	ST-52	1.1730	1.2312	1.7225
	22	●	●			



Z7/Y*X	N	ST-37	ST-52	1.1730	1.2312	1.7225
	27	●	●			

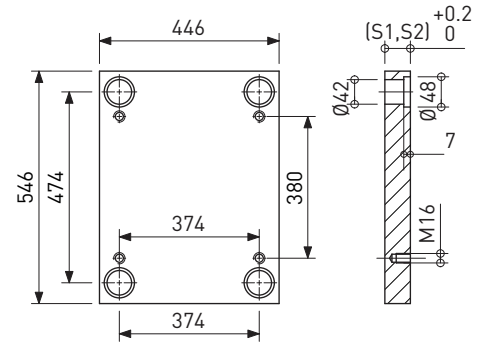
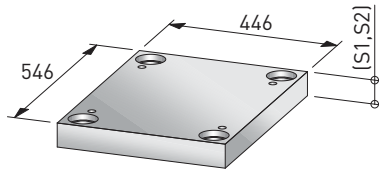


GP/P/L2/d1*L1	GP/P/L2/d1*L1
46/30*45	76/30*75
65	95
85	115
56/30*55	
75	
95	
115	
66/30*75	
95	
115	

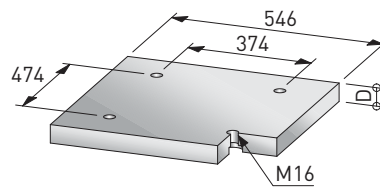
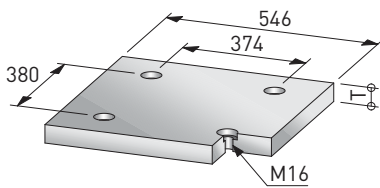
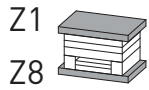


GB/P/d1*L
30*46
56
66
76
86
96
116

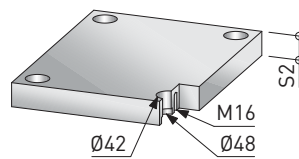
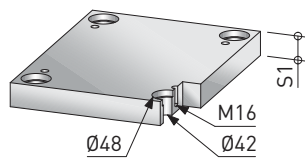
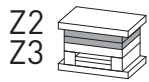
446×546



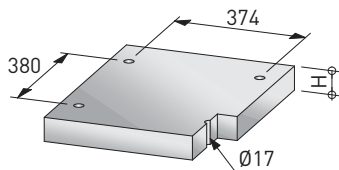
Tolerance Thickness: +0.2



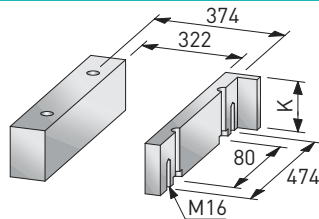
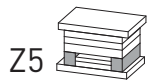
Z1,Z8/Y*X	T,D	ST-37	ST-52	1.1730	1.2312	1.7225
	36	●	●	●	●	●
	46	●	●	●	●	●



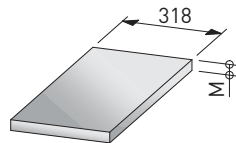
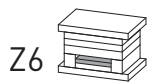
Z2,Z3/Y*X	S1,S2	ST-37	ST-52	1.1730	1.2312	1.7225
	36			●	●	●
	46			●	●	●
	56			●	●	●
	66			●	●	●
	76			●	●	●
	86			●	●	●
	96			●	●	●
	116			●	●	●



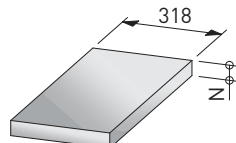
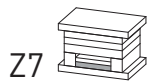
Z4/Y*X	H	ST-37	ST-52	1.1730	1.2312	1.7225
	46	●	●	●	●	●
	56	●	●	●	●	●



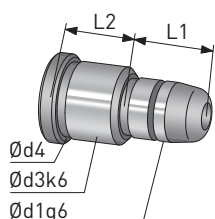
Z5/Y*X	K	ST-37	ST-52	1.1730	1.2312	1.7225
	76	●	●			
	96	●	●			
	116	●	●			
	136	●	●			



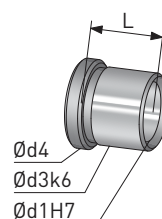
Z6/Y*X	M	ST-37	ST-52	1.1730	1.2312	1.7225
	22	●	●			



Z7/Y*X	N	ST-37	ST-52	1.1730	1.2312	1.7225
	27	●	●			

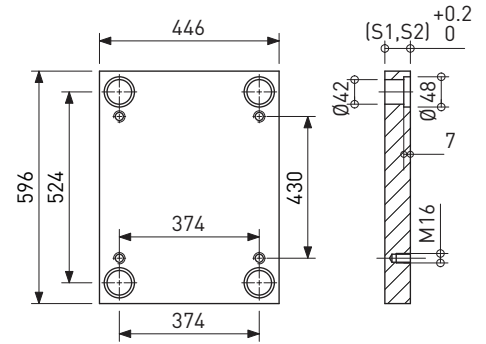
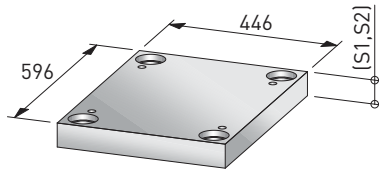


GP/P/L2/d1*L1	GP/P/L2/d1*L1
46/30*45	76/30*75
65	95
85	115
56/30*55	
75	
95	
115	
66/30*75	
95	
115	

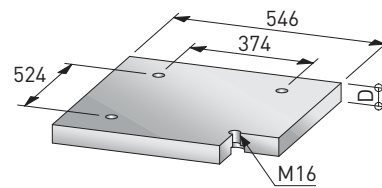
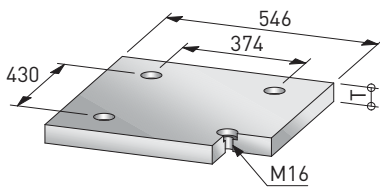
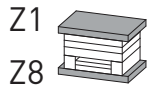


GB/P/d1*L
30*46
56
66
76
86
96
116

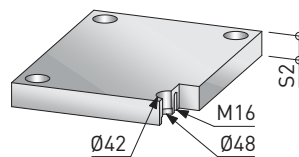
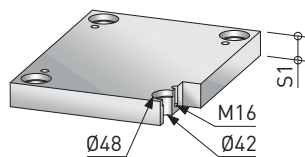
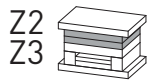
446×596



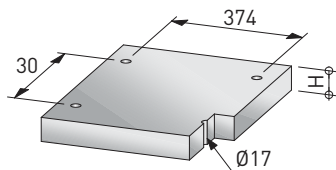
Tolerance Thickness: +0.2



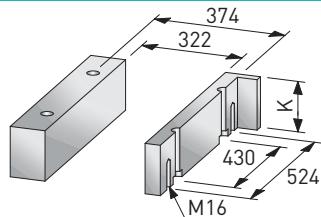
Z1,Z8/Y*X	T,D	ST-37	ST-52	1.1730	1.2312	1.7225
	36	●	●	●	●	●
	46	●	●	●	●	●



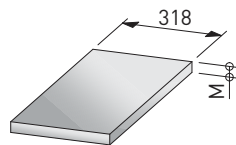
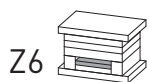
Z2,Z3/Y*X	S1,S2	ST-37	ST-52	1.1730	1.2312	1.7225
	36			●	●	●
	46			●	●	●
	56			●	●	●
	66			●	●	●
	76			●	●	●
	86			●	●	●
	96			●	●	●
	116			●	●	●



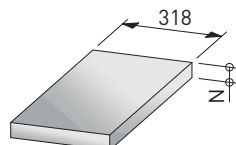
Z4/Y*X	H	ST-37	ST-52	1.1730	1.2312	1.7225
	46	●	●	●	●	●
	56	●	●	●	●	●



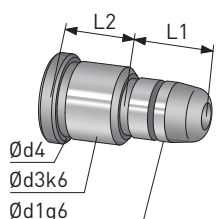
Z5/Y*X	K	ST-37	ST-52	1.1730	1.2312	1.7225
	76	●	●			
	96	●	●			
	116	●	●			
	136	●	●			



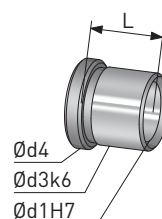
Z6/Y*X	M	ST-37	ST-52	1.1730	1.2312	1.7225
	22	●	●			



Z7/Y*X	N	ST-37	ST-52	1.1730	1.2312	1.7225
	27	●	●			

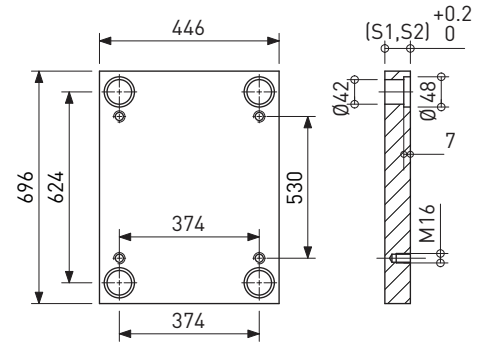
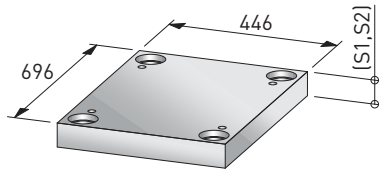


GP/P/L2/d1*L1	GP/P/L2/d1*L1
46/30*45	76/30*75
65	95
85	115
56/30*55	
75	
95	
115	
66/30*75	
95	
115	

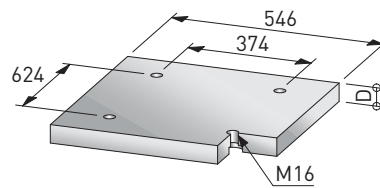
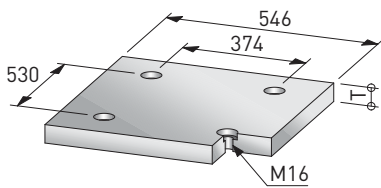
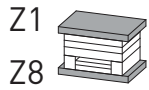


GB/P/d1*L
30*46
56
66
76
86
96
116

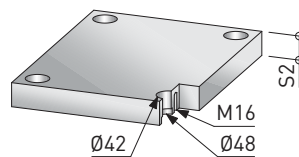
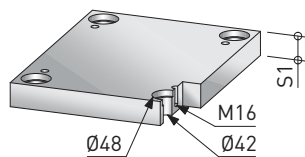
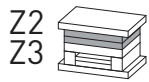
446×696



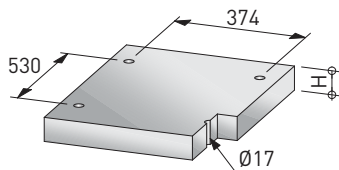
Tolerance Thickness: +0.2



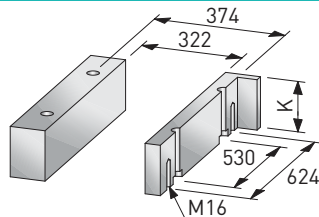
Z1,Z8/Y*X	T,D	ST-37	ST-52	1.1730	1.2312	1.7225
	46	●	●	●	●	●
	56	●	●	●	●	●



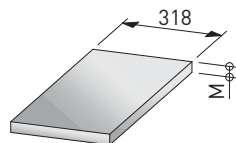
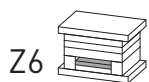
Z2,Z3/Y*X	S1,S2	ST-37	ST-52	1.1730	1.2312	1.7225
	36			●	●	●
	46			●	●	●
	56			●	●	●
	66			●	●	●
	76			●	●	●
	86			●	●	●
	96			●	●	●
	116			●	●	●



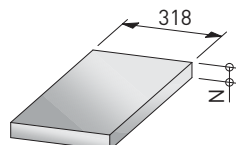
Z4/Y*X	H	ST-37	ST-52	1.1730	1.2312	1.7225
	56	●	●	●	●	●



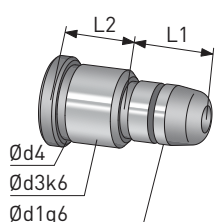
Z5/Y*X	K	ST-37	ST-52	1.1730	1.2312	1.7225
	76	●	●			
	96	●	●			
	116	●	●			
	136	●	●			



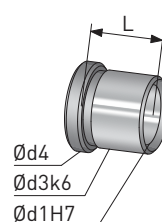
Z6/Y*X	M	ST-37	ST-52	1.1730	1.2312	1.7225
	27	●	●			



Z7/Y*X	N	ST-37	ST-52	1.1730	1.2312	1.7225
	36	●	●			

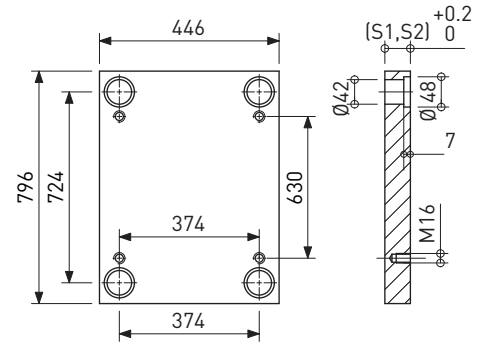
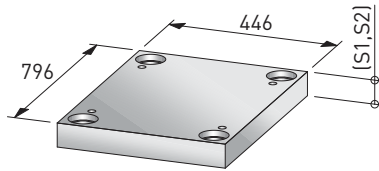


GP/P/L2/d1*L1	GP/P/L2/d1*L1
46/30*45	76/30*75
65	95
85	115
56/30*55	
75	
95	
115	
66/30*75	
95	
115	

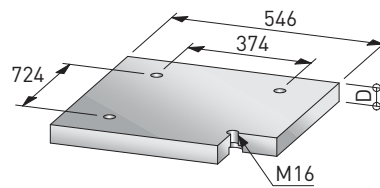
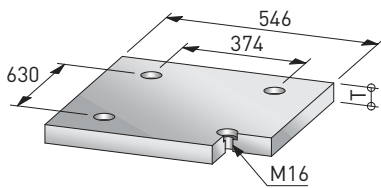
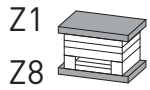


GB/P/d1*L
30*46
56
66
76
86
96
116

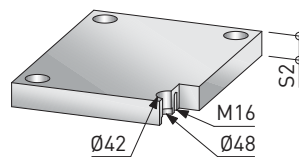
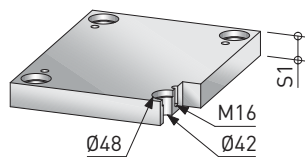
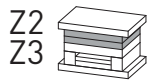
446×796



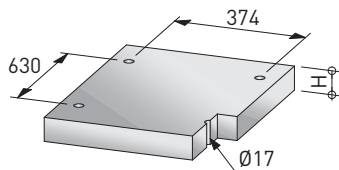
Tolerance Thickness: +0.2



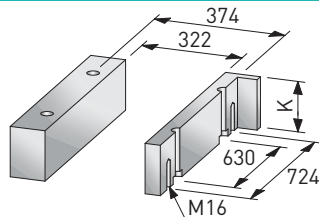
Z1,Z8/Y*X	T,D	ST-37	ST-52	1.1730	1.2312	1.7225
	46	●	●	●	●	●
	56	●	●	●	●	●



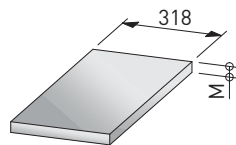
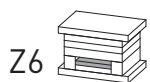
Z2,Z3/Y*X	S1,S2	ST-37	ST-52	1.1730	1.2312	1.7225
	36			●	●	●
	46			●	●	●
	56			●	●	●
	66			●	●	●
	76			●	●	●
	86			●	●	●
	96			●	●	●
	116			●	●	●



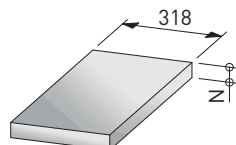
Z4/Y*X	H	ST-37	ST-52	1.1730	1.2312	1.7225
	46	●	●	●	●	●
	56	●	●	●	●	●



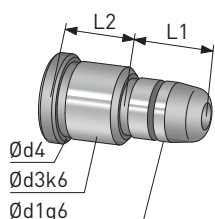
Z5/Y*X	K	ST-37	ST-52	1.1730	1.2312	1.7225
	96	●	●			
	116	●	●			
	136	●	●			



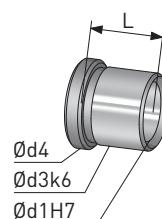
Z6/Y*X	M	ST-37	ST-52	1.1730	1.2312	1.7225
	27	●	●			



Z7/Y*X	N	ST-37	ST-52	1.1730	1.2312	1.7225
	36	●	●			

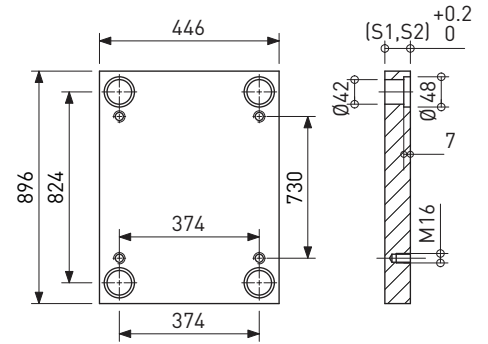
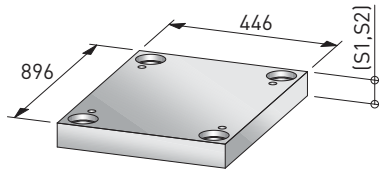


GP/P/L2/d1*L1	GP/P/L2/d1*L1
46/30*45	76/30*75
65	95
85	115
56/30*55	
75	
95	
115	
66/30*75	
95	
115	

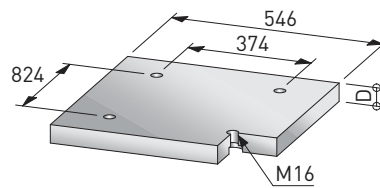
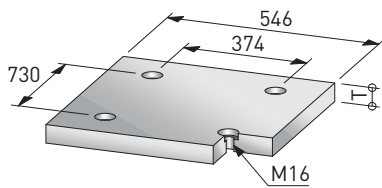
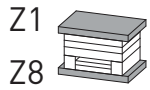


GB/P/d1*L
30*46
56
66
76
86
96
116

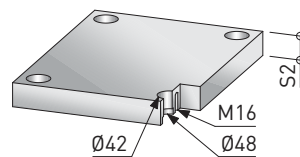
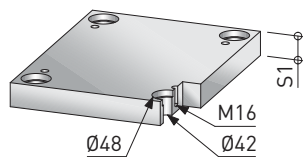
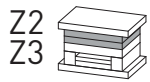
446×896



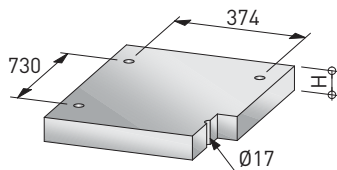
Tolerance Thickness: +0.2



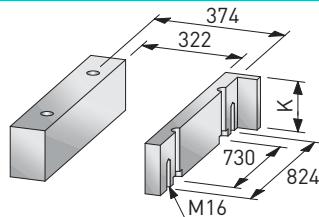
Z1,Z8/Y*X	T,D	ST-37	ST-52	1.1730	1.2312	1.7225
	46	●	●	●	●	●
	56	●	●	●	●	●



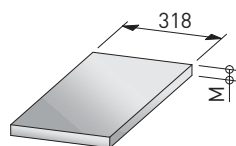
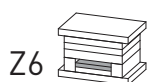
Z2,Z3/Y*X	S1,S2	ST-37	ST-52	1.1730	1.2312	1.7225
	36			●	●	●
	46			●	●	●
	56			●	●	●
	66			●	●	●
	76			●	●	●
	86			●	●	●
	96			●	●	●
	116			●	●	●



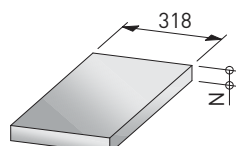
Z4/Y*X	H	ST-37	ST-52	1.1730	1.2312	1.7225
	46	●	●	●	●	●
	56	●	●	●	●	●



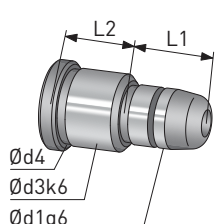
Z5/Y*X	K	ST-37	ST-52	1.1730	1.2312	1.7225
	96	●	●			
	116	●	●			
	136	●	●			



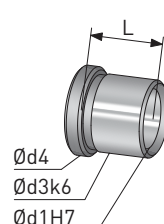
Z6/Y*X	M	ST-37	ST-52	1.1730	1.2312	1.7225
	27	●	●			



Z7/Y*X	N	ST-37	ST-52	1.1730	1.2312	1.7225
	36	●	●			



GP/P/L2/d1*L1	GP/P/L2/d1*L1
46/30*45	76/30*75
65	95
85	115
56/30*55	
75	
95	
115	
66/30*75	
95	
115	



GB/P/d1*L
30*46
56
66
76
86
96
116

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