



Neha Engineering Works

*IMPORTER & STOCKIST OF MOULD
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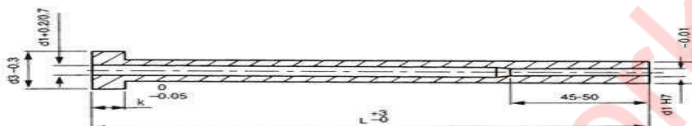


EJECTOR PINS (HDS) - DIN 1530

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EJECTOR SLEEVES (SKD61) – DIN STANDARD



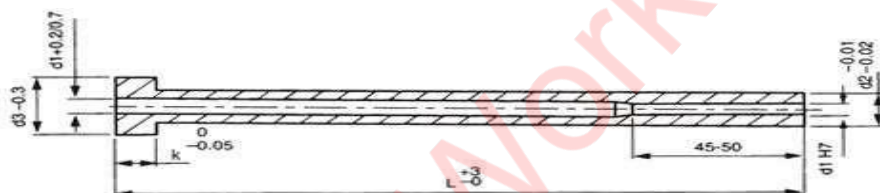
MATERIAL : SKD61 (HOT DIE STEEL) - SURFACE NITRIDED – HARDNESS : HV 900 – 1100

d2 (g6) O/D	d1 I/D	Head d3 x K	L												
			100	125	150	180	200	225	250	275	300	325	350	375	400
3	1.5	6 x 3	•	•	•	•	•	-	-	-	-	-	-	-	-
4	2.0	8 x 3	•	•	•	•	•	•	•	•	•	-	-	-	-
	2.5	8 x 3	•	•	•	•	•	•	•	•	•	-	-	-	-
5	2.0/2.5	10 x 3	•	•	•	•	•	•	•	•	•	-	-	-	-
	3	10 x 3	•	•	•	•	•	•	•	•	•	-	-	-	-
6	2.0/2.5	12 x 5	•	•	•	•	•	•	•	•	•	•	•	•	•
	3	12 x 5	•	•	•	•	•	•	•	•	•	•	•	•	•
	3.5	12 x 5	•	•	•	•	•	•	•	•	•	•	•	•	•
	4	12 x 5	•	•	•	•	•	•	•	•	•	•	•	•	•
7	3.5	12 x 5	•	•	•	•	•	•	•	•	•	-	-	-	-
	4	12 x 5	•	•	•	•	•	•	•	•	•	-	-	-	-
	5	12 x 5	•	•	•	•	•	•	•	•	•	-	-	-	-
8	2.5/3.0	14 x 5	•	•	•	•	•	•	•	•	•	•	•	•	•
	3.5	14 x 5	•	•	•	•	•	•	•	•	•	•	•	•	•
	4	14 x 5	•	•	•	•	•	•	•	•	•	•	•	•	•
	5	14 x 5	•	•	•	•	•	•	•	•	•	•	•	•	•
	6	14 x 5	•	•	•	•	•	•	•	•	•	•	•	•	•
9	4	14 x 5	•	•	•	•	•	•	•	•	•	-	-	-	-
	5	14 x 5	•	•	•	•	•	•	•	•	•	-	-	-	-
	6	14 x 5	•	•	•	•	•	•	•	•	•	-	-	-	-
10	4	16 x 5	•	•	•	•	•	•	•	•	•	•	•	•	•
	5	16 x 5	•	•	•	•	•	•	•	•	•	•	•	•	•
	6	16 x 5	•	•	•	•	•	•	•	•	•	•	•	•	•
12	6	18 x 7	•	•	•	•	•	•	•	•	•	•	•	•	•
	8	18 x 7	•	•	•	•	•	•	•	•	•	•	•	•	•
16	10/12	22 x 7	•	•	•	•	•	•	•	•	•	-	-	-	-

- ABOVE SIZES ARE ALONG WITH THROUGH HARDENED PIN (LENGTH = L + 50mm - 100mm)



EJECTOR SLEEVES (SKD61) - JIS STANDARD



MATERIAL : SKD61 (HOT DIE STEEL) - SURFACE NITRIDED - HARDNESS: HV 900 – 1100

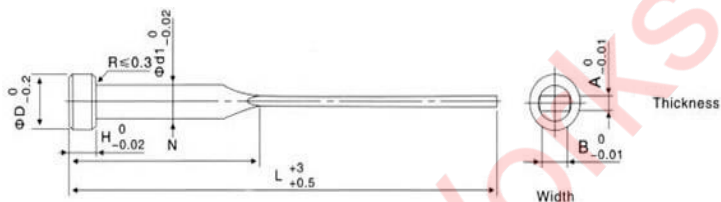
d2 (O/D)	d1 (I/D)	d3 x k	L								
			100	125	150	180	200	225	250	275	300
3	1.5	6 x 4	•	•	•	•	•	-	-	-	-
4	2	8 x 6	•	•	•	•	•	•	•	•	•
5	2.5	9 x 6	•	•	•	•	•	•	•	•	•
	3	9 x 6	•	•	•	•	•	•	•	•	•
6	3	10 x 6	•	•	•	•	•	•	•	•	•
	4	10 x 6	•	•	•	•	•	•	•	•	•
8	4	13 x 8	•	•	•	•	•	•	•	•	•
	5	13 x 8	•	•	•	•	•	•	•	•	•
10	6	15 x 8	•	•	•	•	•	•	•	•	•

• **ABOVE PRICES ARE ALONG WITH THROUGH HARDENED PIN (LENGTH = L + 75mm - 100mm)**

- **STOCK AVAILABLE**



BLADE EJECTOR



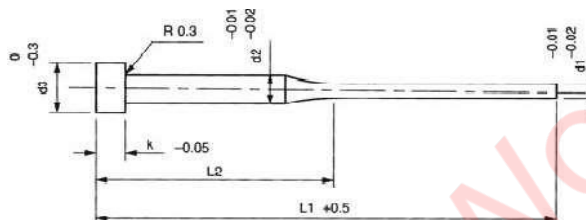
THROUGH HARDENED – HRC 58-60

A	B	d1	D	H	L			
					100	125	160	200
					N			
					50	63	80	100
0.8	3.5	4	8	3	•	•	-	-
1.0	3.5	4	8	3	•	•	-	-
1.2	3.5	4	8	3	•	•	-	-
1.0	4.5	5	10	3	•	•	•	•
1.2	4.5	5	10	3	•	•	•	•
1.5	4.5	5	10	3	•	•	•	•
1.0	5.5	6	12	5	•	•	•	•
1.2	5.5	6	12	5	•	•	•	•
1.5	5.5	6	12	5	•	•	•	•
2.0	5.5	6	12	5	•	•	•	•
1.5	7.5	8	14	5	-	•	•	•
2.0	7.5	8	14	5	-	•	•	•

A	B	d1	D	H	L			
					100	125	160	200
					N			
					50	63	80	100
0.8	3.5	4	6	4	•	•	-	-
1.0	3.5	4	6	4	•	•	-	-
1.2	3.5	4	6	4	•	•	-	-
1.0	4.5	5	9	6	•	•	•	•
1.2	4.5	5	9	6	•	•	•	•
1.5	4.5	5	9	6	•	•	•	•
1.0	5.5	6	10	6	•	•	•	•
1.2	5.5	6	10	6	•	•	•	•
1.5	5.5	6	10	6	•	•	•	•
2.0	5.5	6	10	6	•	•	•	•
1.5	7.5	8	13	8	-	•	•	•
2.0	7.5	8	13	8	-	•	•	•



STEP EJECTOR PINS



MATERIAL : SILVER STEEL - THROUGH HARDENED (DIN STD)

D2 x d1	Head Dimension D3 x k	L1			
		100	125	160	200
3 x 1.0	6 x 3	.	.	.	.
3 x 1.5		.	.	.	.
3 x 2.0		.	.	.	.
3 x 2.5		.	.	.	.
4 x 3.0	8 x 3	.	.	.	.

L1	100	125	160	200
L2	50	50	75	75

MATERIAL : SILVER STEEL - THROUGH HARDENED (JIS STD)

d2 x d1	HEAD DIMENSION d3 x k	L1			
		100	150	200	250
3 x 1.0	6 x 4	.	.	.	.
3 x 1.2		.	.	.	.
3 x 1.5		.	.	.	.
3 x 2.0		.	.	.	.
3 x 2.5		.	.	.	.

L1	100	150	200	250
L2	50	50	70	100

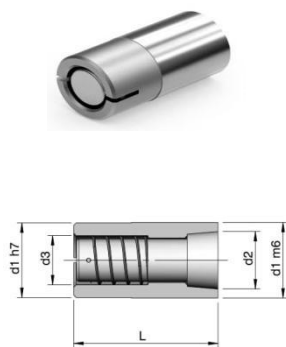


AIR EJECTOR TYPE - A



CODE	d1	d2	L	L1	d3	
APA-08	8	6.5	24	11	6	•
APA-10	10	7.5	24	11	6	•
APA-12	12	9.7	34	18	8	•
APA-14	14	11.8	34	18	8	•
APA-16	16	13	38	20	8	•
APA-18	18	15	46	22	12	•
APA-20	20	16	50	26	12	•
APA-25	25	20	50	26	12	•

AIR EJECTOR TYPE - B



CODE	d1	L	d2	d3	
APB-06	6	12	4.5	4.2	•
APB-08	8	15	6	4.5	•
APB-10	10	20	7.5	7	•
APB-12	12	25	9	7.7	•
APB-16	16	30	12	10.3	•
APB-20	20	30	15	13	•
APB-25	25	30	20	15	•
APB-30	30	30	25	18	•

AIR EJECTOR TYPE C



CODE	d1	L	L1	
APC-08	8	12	7	•
APC-10	10			•
APC-12	12			•
APC-16	16	20	12	•
APC-20	20			•



GAS VENTS



CODE	DIAMETER	LENGTH	
GVA-4	4	10	•
GVA-6	6	10	•
GVA-8	8	10	•
GVA-10	10	10	•
GVA-12	12	12	•



CODE	DIAMETER	LENGTH	
GVB-3	3	10	•
GVB-4	4	10	•
GVB-5	5	10	•
GVB-6	6	10	•
GVB-8	8	10	•
GVB-10	10	10	•
GVB-12	12	12	•

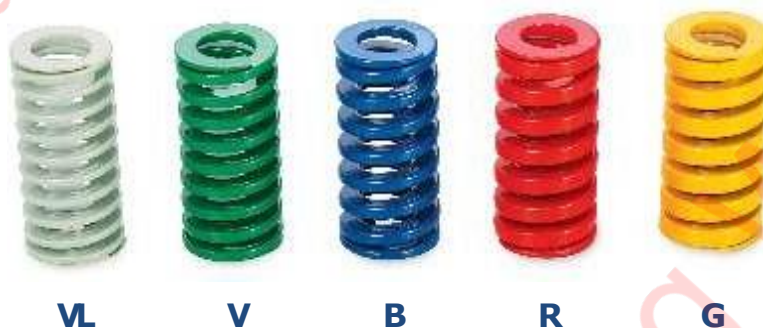


CODE	DIAMETER	LENGTH	
GVC-4	4	10	•
GVC-5	5	10	•
GVC-6	6	10	•
GVC-8	8	10	•
GVC-10	10	10	•
GVC-12	12	12	•
GVC-16	16	14	•

- STOCK AVAILABLE



ISO - 10243



CODE	COLOR	LOAD	 MIN. COMPRESSION (% OF FREE LENGTH)	 MIN. COMPRESSION (% OF FREE LENGTH)	 MAX. COMPRESSION (% OF FREE LENGTH)	 SOLID COMPRESSION (% OF FREE LENGTH)
VL	LIGHT GREEN	EXTRA LIGHT	30%	40%	50%	NOT RECOMMENDED
V	GREEN	LIGHT	25%	30%	40%	NOT RECOMMENDED
B	BLUE	MEDIUM	25%	30%	37.5	NOT RECOMMENDED
R	RED	HEAVY	20%	25%	30%	NOT RECOMMENDED
G	YELLOW	EXTRA HEAVY	17%	20%	25%	NOT RECOMMENDED



OUT ER DIA (d)	INN ER DIA A	COLOUR	WIRE DETAILS (Width x Thickness)	FREE LENGTH (L)
10	5	V	1.7 x 1.1	25,32,38,44,51,64,76,89,102,305
		B	1.9 x 1.3	
		R	1.9 x 1.5	
		G	1.9 x 1.6	
12.5	6.3	V	2.4 x 1.4	25,32,38,44,51,64,76,89,102,115,305
		B	2.5 x 1.5	
		R	2.4 x 1.9	
		G	2.6 x 2.0	
16	8	V	3.2 x 1.5	25,32,38,44,51,64,76,89,102,115,127,139,152,305
		B	3.2 x 2.0	
		R	3.1 x 2.5	
20	10	VL	4.3 x 1.7	25,32,38,44,51,64,76,89,102,115,127,139,152,178,203,305
		V	4.0 x 2.1	
		B	4.1 x 2.4	
		R	4.0 x 3.3	
		G	4.1 x 3.8	
25	12.5	VL	5.4 x 2.2	25,32,38,44,51,64,76,89,102,115,127,139,152,178,203,305
		V	5.4 x 2.7	
		B	5.4 x 3.3	
		R	5.5 x 4.2	
		G	5.4 x 4.6	
32	16	VL	6.5 x 2.6	38,44,51,64,76,89,102,115,127,139,152,178,203,252,305
		V	6.8 x 3.3	
		B	6.8 x 4.0	
		R	7.1 x 5.4	
		G	7.3 x 5.9	
40	20	VL	8.0 x 3.4	51,64,76,89,102,115,127,139,152,178,203,229,252,305
		V	8.1 x 4.0	
		B	8.2 x 4.7	
		R	8.4 x 6.2	
		G	8.4 x 7.5	
50	25	VL	10.5 x 4.1	64,76,89,102,115,127,139,152,178,203,229,252,305
		V	10.9 x 5.3	
		B	11.1 x 5.8	
		R	11.1 x 7.6	
		G	11.5 x 9.0	
63	38	V	11 x 7.8	76,89,102,115,127,139,152,178,203,229,252,305
		B	11.5 x 9.1	
		R	11.6 x 12.3	
		Y	11.6 x 14.9	



JIS - B5012



SF



SL



SM



SH



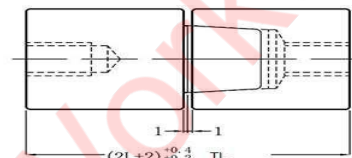
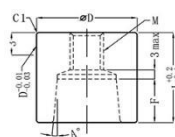
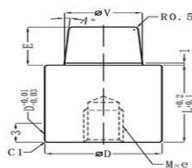
SB

CODE	COLOR	LOAD	 1000000 CYCLES (% OF FREE LENGTH)	 500000 CYCLES (% OF FREE LENGTH)	 300000 CYCLES (% OF FREE LENGTH)	 SOLID DEFLECTIONS (DO NOT USE)
SF	YELLOW	EXTRA LIGHT	30%	40%	50%	58%
SL	LIGHT BLUE	LIGHT	32%	36%	40%	48%
SM	RED	MEDIUM	26%	29%	32%	38%
SH	GREEN	HEAVY	19%	22%	24%	28%
SB	BROWN	EXTRA HEAVY	16%	18%	20%	24%

OUTSIDE DIA	INSIDE DIA	FREE LENGTH (L)
6	3	10,12,15,20,25,30,35,40,45,50,300
8	4	10,15,20,25,30,35,40,45,50,55,60,65,70,75,80,300
10	5	15,20,25,30,35,40,45,50,55,60,65,70,75,80,90,300
12	6	15,20,25,30,35,40,45,50,55,60,65,70,75,80,90,300
14	7	25,30,35,40,45,50,55,60,65,70,75,80,90,100
16	8	20,25,30,35,40,45,50,55,60,65,70,75,80,90,100,125
18	9	20,25,30,35,40,45,50,55,60,65,70,75,80,90,100,125
20	11	20,25,30,35,40,45,50,55,60,65,70,75,80,90,100,125,150
22	11	25,30,35,40,45,50,55,60,65,70,75,80,90,100,125,150,175,200
25	13.5	25,30,35,40,45,50,55,60,65,70,75,80,90,100,125,150,175,200
27	13.5	25,30,35,40,45,50,55,60,65,70,75,80,90,100,125,150,175,200
30	16	25,30,35,40,45,50,55,60,65,70,75,80,90,100,125,150,175,200
35	19	40,45,50,55,60,65,70,75,80,90, 125,150,175,200
40	22	40,45,50,55,60,65,70,75,80,90,100,125,150,175,200,225,250,275,300
50	27.5	50,55,60,65,70,75,80,90,100,125,150,175,200,225,250,275,300
60	33	60,65,70,75,80,90,100,125,150,175,200,225,250,275,300,350,400,450,500
70	38.5	70,80,90,100,125,150,175,200,250,300,350



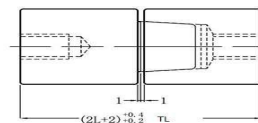
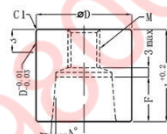
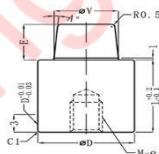
ROUND TAPER INTERLOCK - 5°



CODE	A	D	TL	L	V	E	F	Dk6	M	PRICE
TL5° - 12	5°	12	30	14	8.5	6	5	+0.012	M4	●
TL5° - 14	5°	14	30	14	9.3	6	5	+0.001	M5	●
TL5° - 16	5°	16	30	14	10	6	5	+0.001	M5	●
TL5° - 20	5°	20	40	19	13	9	8	+0.015	M6	●
TL5° - 25	5°	25	50	24	16	12	11	+0.002	M8	●
TL5° - 30	5°	30	60	29	20	15	14	+0.002	M10	●
TL5° - 32	5°	32	60	29	20	15	14	+0.002	M10	●



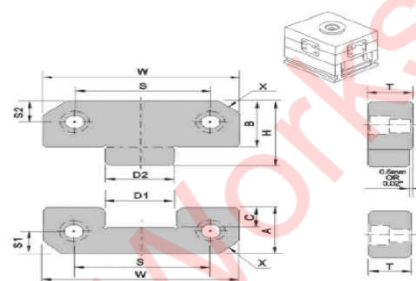
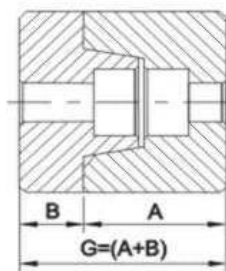
ROUND TAPER INTERLOCK - 15°



CODE	A	D	TL	L	E	F	Dk6	M x e	PRICE
TL15° - 12	15°	12	34	16	4	8	+0.012	M4	●
TL15° - 16	15°	16	34	16	7	8	+0.001	M5	●
TL15° - 20	15°	20	54	26	10	13	+0.015	M8	●
TL15° - 25	15°	25	54	26	10	13	+0.002	M8	●
TL15° - 30	15°	30	72	35	14	20	+0.002	M10	●
TL15° - 32	15°	32	72	35	14	20	+0.002	M10	●
TL15° - 42	15°	42	92	45	18	25	+0.002	M10	●

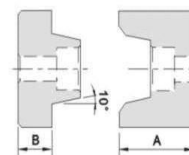
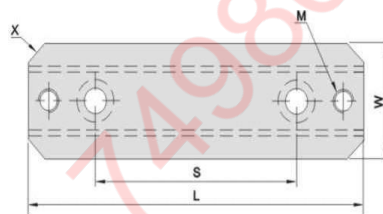


STRAIGHT BLOCK SET (SSL)



CODE	W	T	A	B	C	D1	D2	H	S	S1	S2	X	SCH	PRICE
SSL-38	38	13	22	22	8.5	12	12	30	22	7	7	5	M6	●
SSL-50	50	16	21.5	21.5	9.5	17	17	30	34	11	11	5	M6	●
SSL-75	75	19	36	36	15	25	25	50	50	18	18	8	M10	●
SSL-100	100	19	45	45	21	35	35	65	70	22	22	10	M10	●
SSL-125	125	25	45	45	21	45	45	65	84	22	22	10	M10	●

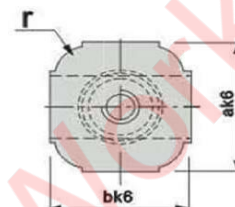
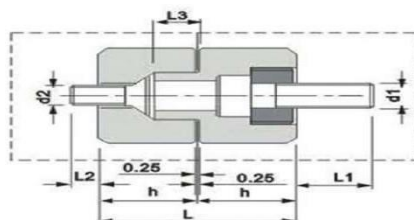
TAPER BLOCK SET (KY)



CODE	W	L	A	B	G	S	X	M	SCHS	PRICE
KY-50	25	50	17.5	8	25.5	-	5	M5	M5	●
KY-100	30	100	22	10	32	60	5	M6	M6	●
KY-150	40	150	25	13	38	100	5	M8	M8	●

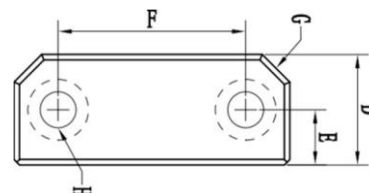
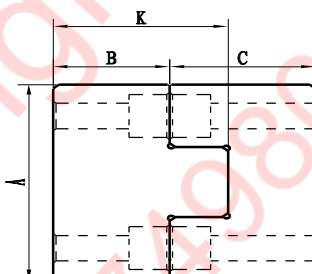


SQUARE BLOCK SETS (SQIT)

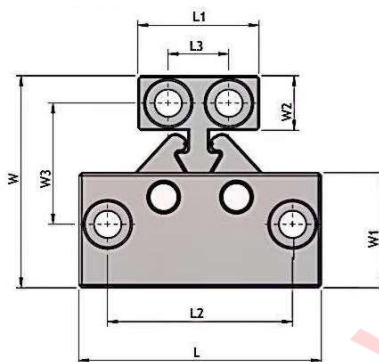


CODE	r	d1	d2	L1	L2	L3	L	h	a	b	PRICE
SQIT-20	4	M5	M4	12	4	3.5	28	14	20	20	●
SQIT-25	5	M6	M5	13	8	5.5	32	16	25	25	●
SQIT-32	6	M6	M6	15	12	7.5	36	18	32	32	●
SQIT-40	6	M10	M8	17	10	9.5	45	22.5	40	40	●

INTERLOCK (LM)



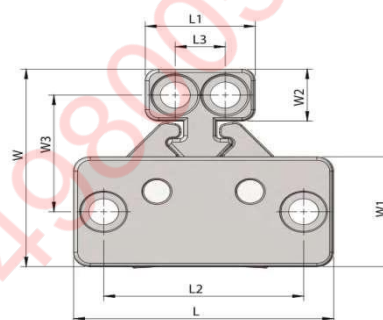
CODE	A	B	C	D	E	F	G	H	K	PRICE
LM - 35	35	15	20	20	10	24	C3	M5	20	●
LM - 50	50	20	25	25	12.5	34	C5	M6	30	●
LM - 75	75	25	30	50	25	52	C8	M8	40	●



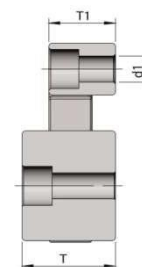
**MOULD LATCH
TYPE A**



CODE	L	L1	L2	L3	W	W1	W2	W3	T	T1	d1	FORCE (kgs)	PRICE
LIGHT DUTY A	55	30	42	16	44	25	13	27.5	22	17	6.5	45	•
MEDIUM DUTY A	80	40	61	20	70	38	18	40	28	24	8.5	110	•
HEAVY DUTY A	120	62	95	30	106	57	27	60	48	38	12.5	225	•



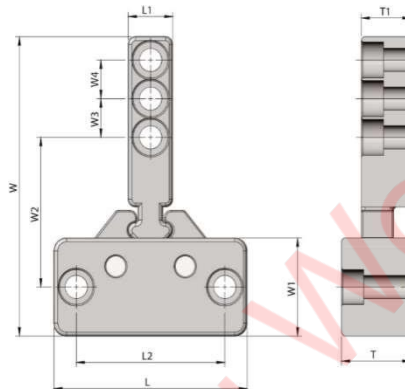
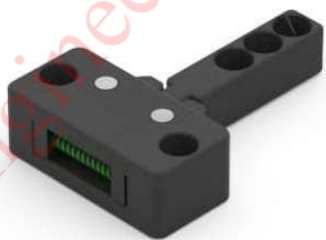
MOULD LATCH TYPE B



CODE	L	L1	L2	L3	W	W1	W2	W3	T	T1	D1	FORCE (kg)	PRICE
MEDIUM DUTY-B	78	33	60	15	68	38	18	40	38	19.5	8.5	500	•
HEAVY DUTY-B	91	37	72	17	103	51	30	58	39.5	31	10.5	900	•

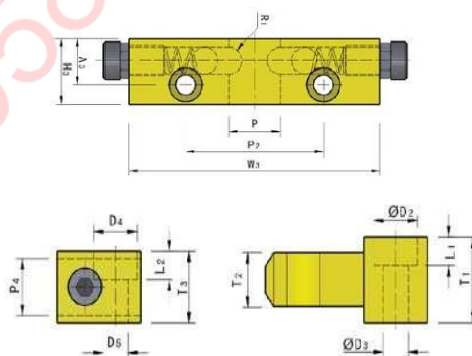
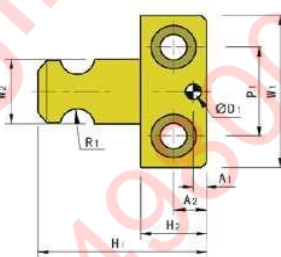


MOULD LATCH TYPE BL



CODE	L	L1	L2	W	W1	W2	W3	W4	T	T1	D1	FORCE (kg)	PRICE
MEDIUM DUTY-BL	78	18	60	116	38	58	15	15	28	20.3	8.5	500	•
HEAVY DUTY-BL	91	21	72	142	51	73	17	17	39.5	30.6	10.5	900	•

MOULD LATCH TYPE F

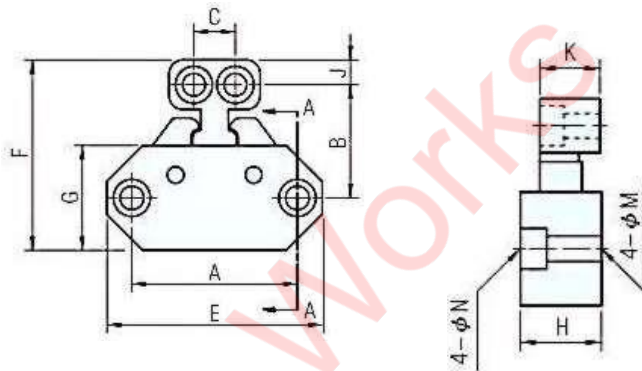


CODE	A1	A2	A3	A4	D1	D2	D3	D4	D5	H1	H2	H3	L1	L2	PRICE
TYPE F - A	6	12	21	10	5	10.5	6.5	11	6.5	48	20	28	6.5	6.5	•
TYPE F - B	20	12.5	23	11	6	17	10	17	10	62.5	25	33	10	10	•

CODE	P	P1	P2	P4	R1	T1	T2	T3	W1	W2	W3	Z1	M1
TYPE F - A	18	25	60	12.5	R4.25	20.5	12	20.5	40	17.5	86	20	M12
TYPE F - B	26	35	70	20	R6.5	30	19.5	25	60	25.5	127.5	21	M14

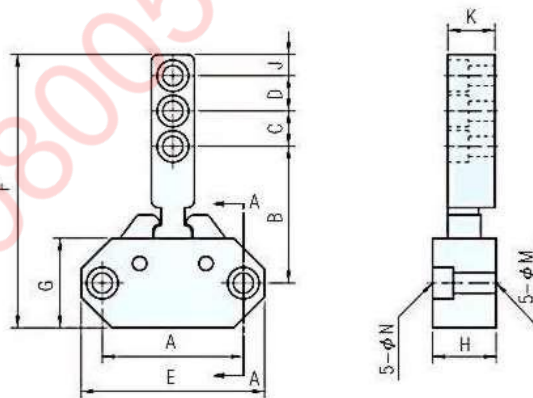


MOULD LATCH TYPE C



CODE	A	B	C	E	F	G	H	J	K	M	N	FORCE (KGS)	PRICE
MEDIUM DUTY - TYPE C	60	40	15	78	68	38	27	9	20	8.5	13.6x9	300	•
HEAVY DUTY - TYPE C	72	58	17	91	93	51	39.4	9	31	10.6	16.6x11	500	•

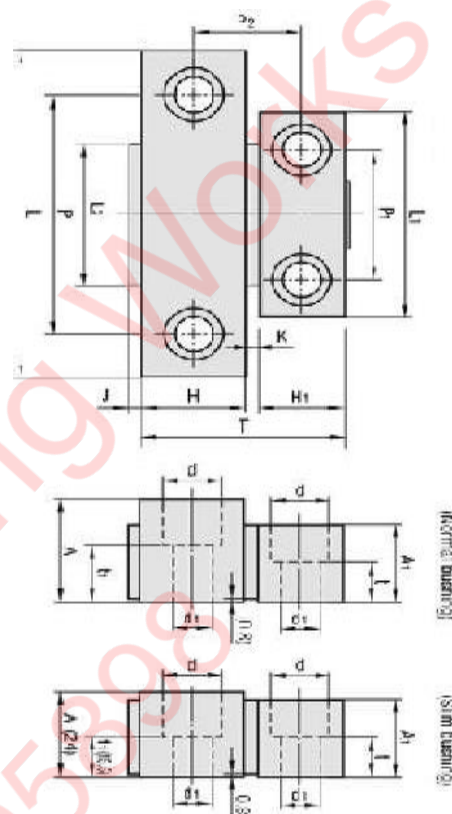
MOULD LATCH TYPE CL



CODE	A	B	C	D	E	F	G	H	J	K	M	N	FORCE (KGS)	PRICE
MEDIUM DUTY - TYPE CL	60	58	15	15	78	116	38	27	9	20	8.5	13.6x9	300	•
HEAVY DUTY - TYPE CL	72	73	17	17	91	142	51	39.4	9	31	10.6	16.6x11	500	•



MOULD LATCH TYPE D



NORMAL BUSHING

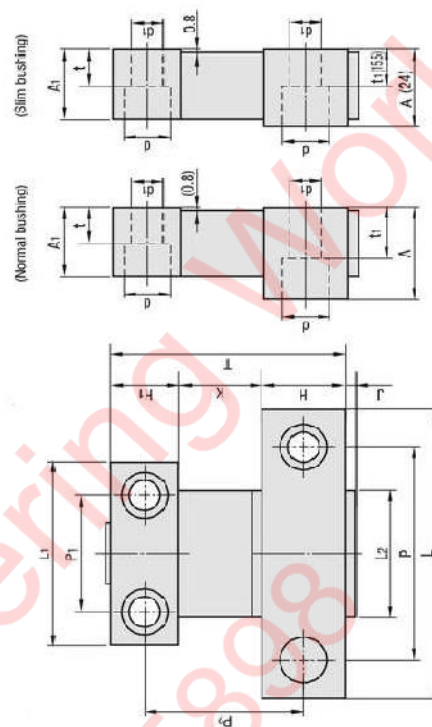
CODE	L	L1	L2	T	H	H1	J	K	P	P1	P2	A	A1	t	T1	d	d1	PRICE			
TYPE D - 10	48	36	25	42	22	18	2	2	36	24	22	24	16	9.5	18	11	6.5	•			
TYPE D - 20	54	42							40	28					9			16	•		
TYPE D - 30	65	46	35	48.5	25	20	3.5	3.5	50	31	26	27	19	9.5	17			14	9	•	
TYPE D - 60	73	50		56.5													52			33	34
TYPE D- 80S																					
TYPE D- 100	103	65	48	58	30	24	4	4	76	42	31	34	25	13	19	17	11	•			

SLIM BUSHING

CODE	L	L1	L2	T	H	H1	J	K	P	P1	P2	A	A1	t	T1	D	D1	Price
TYPE DS - 30	65	46	35	48.5	25	20	3.5	3.5	50	31	26	24	19	9.5	15.5	11	7	-
TYPE DS - 60										33								-
TYPE DS - 80S	73	50		56.5				11.5	52		34					14	9	-



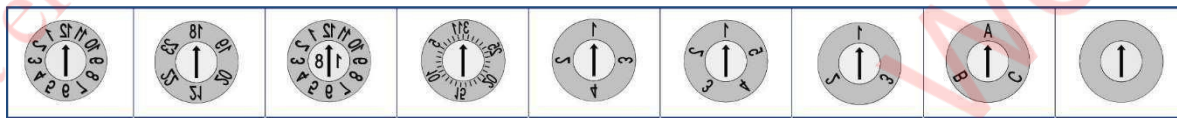
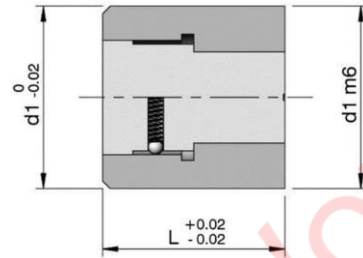
MOULD LATCH TYPE DL



CODE	L	L1	L2	T	H	H1	J	K	P	P1	P2	A	A1	t	t1	d	d1	PRICE
TYPE DL – 60L	73	50	35	79.5	25	20	3.5	34.5	52	33	57	27	19	9.5	17	14	9	•
TYPE DL – 80				87.5							65							•
TYPE DL – 100L	103	65	48	89	30	24	4	35	76	42	62	34	25	13	19	17	11	•
TYPE DLS - 80	73	50	35	87.5	25	20	3.5	42.5	52	33	65	24	19	9.5	15.5	14	9	•



MOULD DATE INDICATOR



SIZE (d1XL)	ONLY MONTH	ONLY YEAR	MONTH & YEAR	1-31 DAYS	1-4	1-5	1-3	ABC	ARROW	0-3	0-9	A-L	RECYCLE
3x6	•	•	•										
3x8	•	•	•										
4x6	•	•	•	•	•	•	•	•	•	•	•	•	•
4x8	•	•	•	•	•	•	•	•	•	•	•	•	•
5x8	•	•	•	•	•	•	•	•	•	•	•	•	•
6x8	•	•	•	•	•	•	•	•	•	•	•	•	•
6x10	•	•	•	•	•	•	•	•	•	•	•	•	•
8x10	•	•	•	•	•	•	•	•	•	•	•	•	•
10x10	•	•	•	•	•	•	•	•	•	•	•	•	•
10x12	•	•	•	•	•	•	•	•	•	•	•	•	•
12x12	•	•	•	•	•	•	•	•	•	•	•	•	•
16x14	•	•	•	•	•	•	•	•	•	•	•	•	•
20x14	•	•	•	•	•	•	•	•	•	•	•	•	•

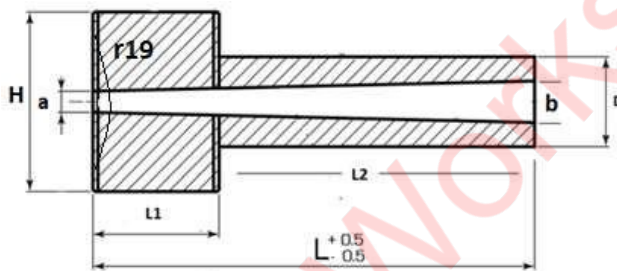
3 LAYER (6 YEARS & 12 MONTHS)	
6x10	•
8x10	•
10x12	•
12x14	•
16x14	•
20x14	•



- STOCK AVAILABLE



SPRU BUSH (NON HARDENED)



D	L2	L1	L	H	(a-b)	
12.0,13.5,16.0,16.5, 20.5,27.0	25	25	50	30	(3.3-3.5)- (6.5-7.0)	●
	32		57			●
	40		65			●
	50		75			●
	65		90			●
	75		100			●
	90		115		(3.4-3.7)- (7.0-8.0)	●
	100		125			●
	125		150			●
	150		175			●
	175		200			●
	200		225			●
	225	25	250	30	(3.8-4.5)- (8.0-10.0)	●
	250		275			●

- STOCK AVAILABLE

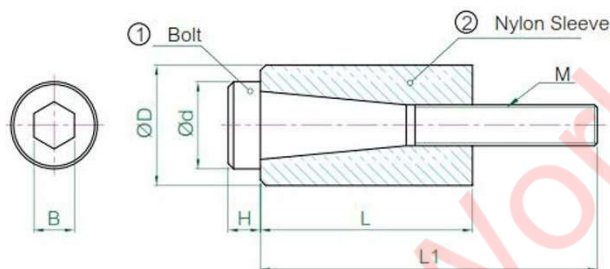
SPRU BUSH (HARDENED)

D(g6)	L2	L1	L	H	(a-b)	
12.0,16.0,20.0	25	25	50	30	3.5-7.0	●
	32		57			●
	40		65			●
	50		75		3.5-8.0	●
	65		90			●
	75		100			●
	90		115			●
	100		125			●
	125		150			●
	150		175			●

- STOCK AVAILABLE

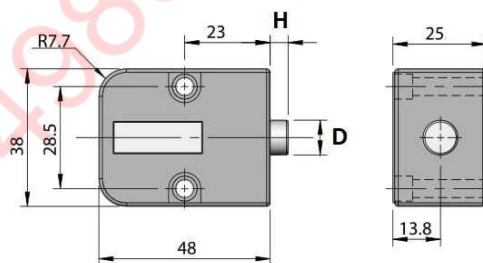


PARTING LOCKS



CODE	D	d	M	B	L	L1	H	PRICE
PL-10	10	8.5	M5	4	18	28	3	•
PL-12	12	11.5	M6	5	20	30	4.5	•
PL-13	13	11.5	M6	5	20	30	4.5	•
PL-16	16	14	M8	6	25	35	5.5	•
PL-20	20	14	M10	8	30	40	5.5	•
PL-25	25	16	M10	8	30	40	5.5	•
PL-25(M12)	25	18	M12	12	30	40	8.5	•
PL-30	30	18	M12	12	35	45	8.5	•

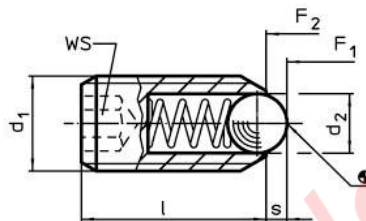
MOULD SHOT COUNTER



CODE	D	H	SCREW	PRICE
MSC-01	6.2	5.0	M4.0x25L	•
MSC-02	9.8	5.0	M4.0x25L	•



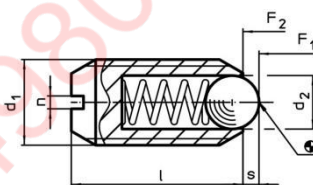
BALL PLUNGER (ALLEN TYPE)



**BLACK OXIDE STEEL BODY – HARDENED STEEL BALL –
STAINLESS STEEL SPRING**

CODE	d1	d2	L	S	WS	SPRING LOAD F1 N~	SPRING LOAD F2 N~
BPA-3	M3	1.5	7.5	0.5	-	-	-
BPA-4	M4	2.5	9	0.8	2.0	8.0	13.0
BPA-5	M5	3.0	14	0.9	2.5	6.0	12.0
BPA-6	M6	3.5	12/15	1.0	3.0	11.0	18.0
BPA-8	M8	4.5	16/18	1.5	4.0	18.0	31.0
BPA-10	M10	6.0	16/23	2.0	5.0	24.0	45.0
BPA-12	M12	8.0	20/25	2.5	6.0	26.0	49.0
BPA-16	M16	10.0	25	3.5	8.0	41.0	86.0
BPA-20	M20	12.0	43	4.5	10.0	66.0	111.0

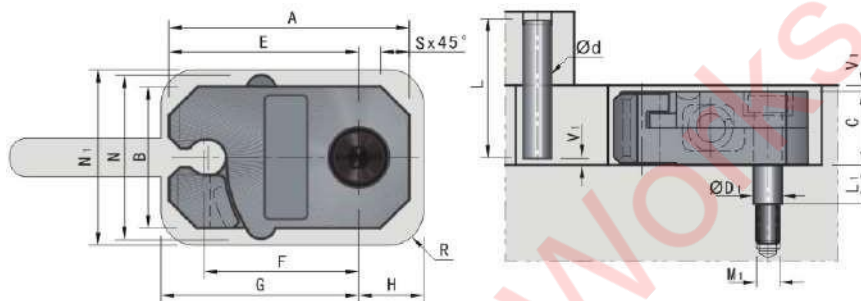
BALL PLUNGER (SCREW TYPE)



CODE	d1	d2	L	S	n	SPRING LOAD F1 N~	SPRING LOAD F2 N~
BPS-3	M3	1.5	7.5	0.5	-	-	-
BPS-4	M4	2.5	9	0.8	0.6	8.0	13.0
BPS-5	M5	3.0	14	0.9	0.8	6.0	12.0
BPS-6	M6	3.5	15	1.0	1.0	11.0	18.0
BPS-8	M8	4.5	18	1.5	1.2	18.0	31.0
BPS-10	M10	6.0	23	2.0	1.5	24.0	45.0
BPS-12	M12	8.0	26	2.5	2.0	26.0	49.0
BPS-16	M16	10.0	33	3.5	2.0	41.0	86.0



CODE	LOAD (N)		ST	L	L1	a	b	c	d	Bolt Size	TAP	W	W1	R	P(SPRING)
	P1 (min)	P2 (max)													
STS-SLLK-16C	22.5	28.6	1.6	15	3.3	5	2.5	6	3.2	M3	M4	8	4	1	SC 8-15
STS-SLLK-16F	62	78.8													SF 8-15
STS-SLLK-20C	36.7	62.9	2	20	4.5	6	3.5	7.5	4.3	M4	M5	10	5	1.1	SF 10-15
STS-SLLK-20F	64.1	110													SL 10-15

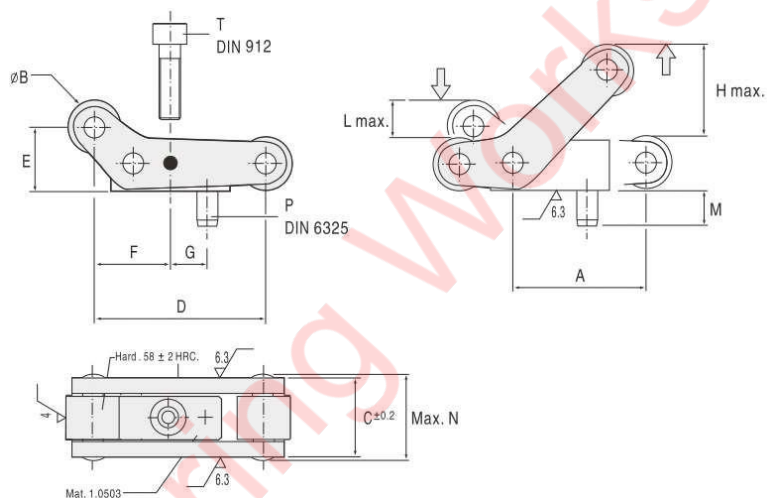


CODE	A	B	C	E	F	N	d	L	G	H
PSM-0001	38	19	16	31.5	24.89	24	6	32	34.5	10
PSM-0002	54	32	20	43	34.93	36.5	8	40	46	14.5
PSM-0003	86	45	30	30	53.98	49.5	10	60	70	22.5

CODE	N1	R	D1	L1	V1	M1	Max Slide Weight (kgf)
PSM-0001	25.5	8	6	8.5	1.5	10-24x0.5	10
PSM-0002	38	10	8	10.5		¼-20x0.56	20
PSM-0003	51	12	10	17		5/16-18x0.62	40



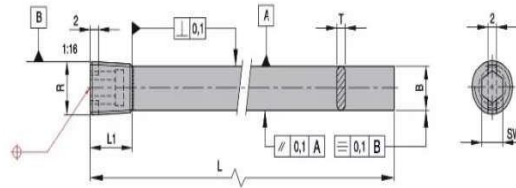
PLATE ACCELERATOR



CODE	A	B	C	D	E	F	G	H(max)	L(max)	M	N	P	T	Max Force
PA20	20	8	13.2	25.8	9.4	11.4	6	13.6	5.5	5	15	2.5x10	M3x12	125kg
PA25	25	10	16	32.3	11.8	14.3	7	17	6.8	6	18.5	3x12	M4x16	250kg
PA37	37.5	15	22	48.5	17.7	21.5	10.5	25.5	10.2	8	25	4x16	M6x25	350kg
PA50	50	20	30	64.6	23.6	28.6	14	34	13.6	10	34	5x20	M8x30	800kg



BAFFLES

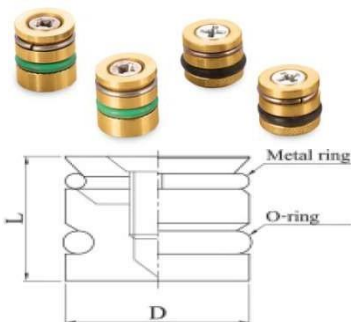


CODE	R	L	T	SW
BAF-1/8-100	1/8-BSP	104	1.6	5
BAF-1/8-200	1/8-BSP	204	2.4	
BAF-1/4-125	¼-BSP	131		6
BAF-1/4-250	¼-BSP	258		

CODE	R	L	T	SW
BAF-3/8-150	3/8-BSP	156	2.4	8
BAF-3/8-300	3/8-BSP	309		10
BAF-1/2-200	1/2-BSP	207		

COOLING PLUGS (O-RING TYPE)

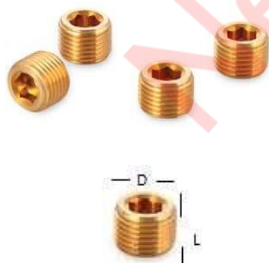
(AVAILABLE IN GREEN & BLACK SILICON RUBBER ORING)(SCREW AND ALLEN TYPE)



CODE	D	L	HEX
CPO-8	M8x0.75	8	4
CPO-10	M10x1.0	8	5
CPO-12	M12x1.5	8	6
CPO-14	M14x1.5	10	7
CPO-1/8 BSP	1/8" BSP	7	5
CPO-1/4 BSP	1/4" BSP	9	6
CPO-3/8 BSP	3/8" BSP	10	8

CODE	D	L	HEX
CPO-1/2 BSP	1/2" BSP	12	10
CPO-3/4 BSP	3/4" BSP	14	14
CPO-1/4 BSPT	1/4" BSPT	9	6
CPO-3/8 BSPT	3/8" BSPT	10	8
CPO-1/2 BSPT	1/2" BSPT	12	10
CPO-3/4 BSPT	3/4" BSPT	14	14

COOLING PLUGS (THREAD TYPE)

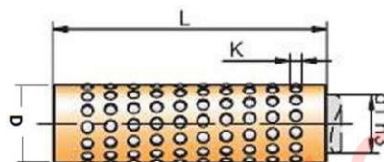


CODE	D	L
CPT-4	4	8
CPT-6	6	10
CPT-8	8	10
CPT-10	10	10
CPT-12	12	12
CPT-14	14	13

CODE	D	L
CPT-16	16	14
CPT-18	18	16
CPT-20	20	19
CPT-24	24	19
CPT-25	25	19



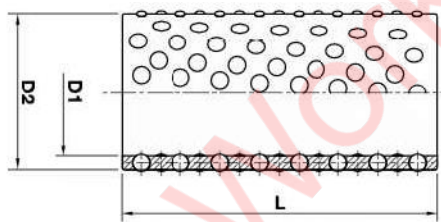
BRASS BALL CAGE (CONCENTRATED)



d1	D	K	L
12	16	2	25,30,35,40,50,60
12	18	3	25,30,35,40,50,60
14	20	3	30,35,40,50
16	22	3	30,40,50,60,70,80
18	24	3	30,40,50,60,70
19	25	3	40,50,60,70,80
20	26	3	40,50,60,70,80,90,100
22	28	3	50,60,70,80
22	30	4	50,60,70,80
24	30	3	50,60,70,80,90,100
24	32	4	50,60,70,80,90,100
25	31	3	30,40,50,60,70,80,90,100
25	33	4	40,50,60,70,80,90,100
26	32	3	50,60,70,80,90,100
26	34	4	50,60,70,80,90,100
28	36	4	50,60,70,80,90,100
30	36	3	50,60,70,80,100
30	38	4	50,60,70,80,90,100
32	38	3	50,60,70,80,90,100
32	40	4	50,60,70,80,90,100,125
35	43	4	50,60,70,80,90,100
36	44	4	50,60,70,80,90,100
38	46	4	50,60,70,80,90,100,125,150
40	48	4	50,60,70,80,90,100,125,150
40	50	5	50,60,70,80,100,125,150
42	50	4	50,60,70,80,100
45	54	4	60,70,80,90,100,125,150
45	55	5	60,70,80,90,100,125,150
50	58	4	50,60,70,80,100,125,150
50	60	5	50,60,70,80,100,125,150
60	68	4	80,100
60	70	5	50,60,70,80,90,100



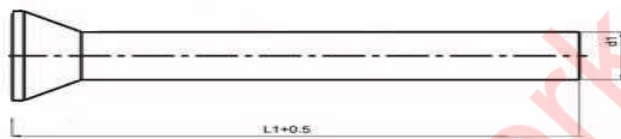
ALUMINIUM BALL CAGE (CONCENTRATED)



D1	D2	K	L
16	22	3	50,60,70
20	26	3	50,60,70,80
22	28	3	50,60,70,80
24	30	3	50,60,70,80
24	32	4	50,60,70,80
25	31	3	60,70,80
25	32	4	60,70,80
26	34	3	60,70,80
28	36	4	60,70,80
30	38	4	60,70,80,100
32	40	4	60,70,80,100
40	48	4	70,80,100
50	10	5	80,100



HSS PUNCHES (M2 MATERIAL)

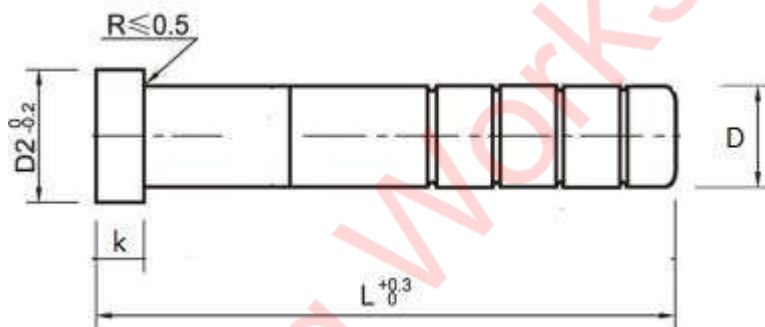


HARDNESS – HEAD 45 ±5 HRC : SHANK 62 ±2 HRC

DIA (d1) (-0.001 to -0.015)	L1				
	50mm	70mm	80mm	100mm	125mm
1.0 mm - 2.4mm	•	•	•	•	-
2.5 mm - 2.9mm	•	•	•	•	-
3.0 mm - 3.4mm	•	•	•	•	-
3.5 mm - 3.8mm	•	•	•	•	-
3.9 mm - 4.4mm	•	•	•	•	-
4.5 mm - 4.8mm	•	•	•	•	-
4.9 mm - 5.4mm	•	•	•	•	-
5.5 mm - 5.8mm	•	•	•	•	-
5.9 mm - 6.4mm	•	•	•	•	•
6.5 mm - 6.8mm	•	•	•	•	-
6.9 mm - 7.4mm	•	•	•	•	•
7.5 mm - 7.8mm	•	•	•	•	-
7.9 mm - 8.4mm	•	•	•	•	•
8.5 mm - 8.8mm	•	•	•	•	-
8.9 mm - 9.4mm	•	•	•	•	•
9.5 mm - 9.8mm	•	•	•	•	-
9.9 mm - 10.4mm	•	•	•	•	•
10.5 mm - 10.8mm	-	•	•	•	-
10.9 mm - 11.4mm	-	•	•	•	•
11.5 mm - 11.8mm	-	•	•	•	-
11.9 mm - 12.5mm	-	•	•	•	•
13.0 mm - 13.5mm	-	•	•	•	-
14.0 mm - 14.5mm	-	•	•	•	•
15.0 mm - 15.5mm	-	•	•	•	•
16.0 mm - 16.5mm	-	•	•	•	•
17.0 mm - 17.5mm	-	•	•	•	•
18.0 mm - 18.5mm	-	•	•	•	•
19.0 mm - 20.0mm	-	•	•	•	•



**GUIDE PIN
(GPA)**



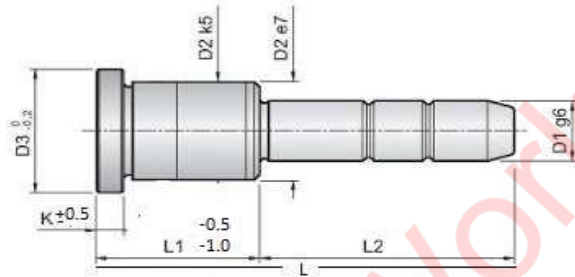
MATERIAL	20Cr
HARDNESS	58-62 HRC

D(g6)	D2	k	L												
			50	70	90	110	130	150	170	190	210	230	250	270	290
16	21	6	•	•	•	•	•	•	•	-	-	-	-	-	-
20	25	6	•	•	•	•	•	•	•	•	•	•	-	-	-
25	30	8	-	•	•	•	•	•	•	•	•	•	•	•	•
30	35	8	-	-	-	•	•	•	•	•	•	•	•	•	•
35	40	8	-	-	-	•	•	•	•	•	•	•	•	•	•
40	46	10	-	-	-	•	•	•	•	•	•	•	•	•	•

- **ORDERING CODE –**
GPA - D x L



SHOULDER GUIDE PIN (GPB)



MATERIAL	S45C
HARDNESS	56-60 HRC

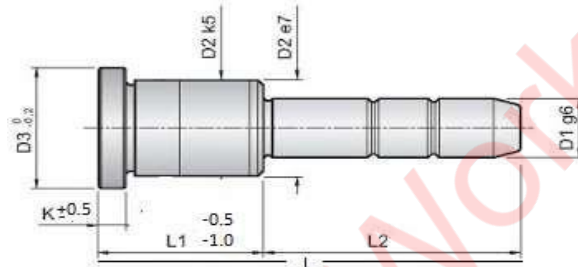
D1	D2	D3	K	L1	L2	L	PRICE
16	22	26	6	25	25	50	•
					30	55	•
					35	60	•
					40	65	•
					45	70	•
					50	75	•
					70	95	•
16	22	26	6	30	25	55	•
					30	60	•
					35	65	•
					40	70	•
					45	75	•
					50	80	•
					70	100	•
16	22	26	6	36	35	71	•
					40	76	•
					45	81	•
					50	86	•
					70	106	•
16	22	26	6	46	40	86	•
					45	91	•
					50	96	•
16	22	26	6	56	70	116	•
					50	106	•
					70	126	•
20	30	35	6	30	90	146	•
					30	60	•
					35	65	•
					40	70	•
					45	75	•
					50	80	•
					70	100	•

D1	D2	D3	K	L1	L2	L	PRICE
20	30	35	6	36	35	71	•
					40	76	•
					45	81	•
					50	86	•
					70	106	•
					100	136	•
					40	86	•
20	30	35	6	46	45	91	•
					50	96	•
					60	106	•
					70	116	•
					90	136	•
					110	156	•
					40	96	•
20	30	35	6	56	50	106	•
					70	126	•
					90	146	•
					110	166	•
					40	106	•
20	30	35	6	66	50	116	•
					70	136	•
					90	156	•
					110	176	•
					50	126	•
20	30	35	6	76	70	146	•
					90	166	•
					110	186	•
					130	206	•

• ORDERING CODE – GPB – D1 x L1 x L



SHOULDER GUIDE PIN (GPB)



MATERIAL	S45C
HARDNESS	56-58 HRC

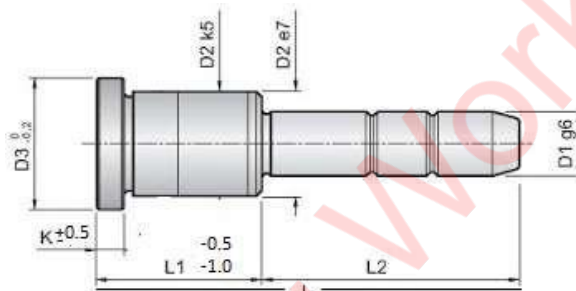
D1	D2	D3	K	L1	L2	L	PRICE
25	35	40	8	36	40	76	•
					50	86	•
					70	106	•
					100	136	•
25	35	40	8	46	50	96	•
					70	116	•
					90	136	•
					110	156	•
25	35	40	8	56	50	106	•
					70	126	•
					90	146	•
					120	176	•
25	35	40	8	66	70	136	•
					90	156	•
					110	176	•
					140	206	•
25	35	40	8	76	70	146	•
					90	166	•
					110	186	•
					130	206	•
25	35	40	8	86	150	226	•
					90	176	•
					110	196	•
					130	216	•
25	35	40	8	96	140	226	•
					150	236	•
					90	186	•
					110	206	•
25	35	40	8	96	130	216	•
					150	236	•
					90	186	•
					110	206	•

D1	D2	D3	K	L1	L2	L	PRICE
25	35	40	8	106	90	196	•
					110	216	•
					130	236	•
					150	256	•
25	35	40	8	116	110	226	•
					130	246	•
					150	266	•
					110	236	•
25	35	40	8	126	130	256	•
					150	276	•
25	35	40	8	136	130	266	•
					150	286	•
30	42	48	8	46	40	86	•
					50	96	•
					70	116	•
					100	146	•
30	42	48	8	56	50/70	106/126	•
					90	146	•
					110	166	•
					130	186	•
30	42	48	8	66	70	136	•
					90	156	•
					110	176	•
					130	196	•
30	42	48	8	76	70	146	•
					90	166	•
					110	186	•
					130	206	•

• ORDERING CODE – GPB – D1 x L1 x L



**SHOULDER GUIDE PIN
(GPB)**



MATERIAL	S45C
HARDNESS	56-58 HRC

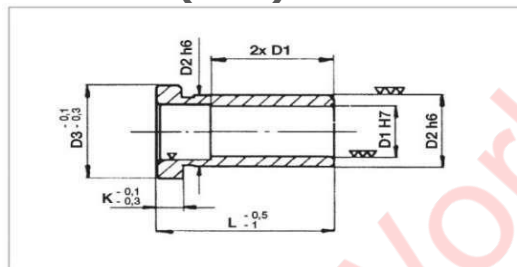
D1	D2	D3	K	L1	L2	L	PRICE
30	42	48	8	86	90	176	•
					110	196	•
					130	216	•
					150	236	•
30	42	48	8	96	90	186	•
					110	206	•
					130	226	•
					150	246	•
30	42	48	8	106	110	216	•
					130	236	•
					150	256	•
					170	276	•
30	42	48	8	116	130	246	•
					150	266	•
					170	286	•

D1	D2	D3	K	L1	L2	L	PRICE
30	42	48	8	126	130	256	•
					150	276	•
					170	296	•
					180	306	•
30	42	48	8	136	130	266	•
					150	286	•
					170	306	•
					190	326	•
30	42	48	8	156	170	326	•
					190	346	•
30	42	48	8	176	170	346	•
					190	366	•

- **ORDERING CODE – GPB – D1 x L1 x L**



SHOULDER GUIDE BUSH (GBA)

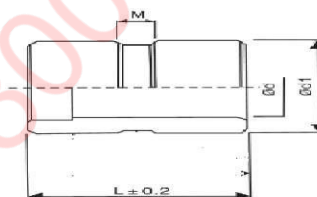


MATERIAL	20Cr
HARDNESS	58-62 HRC

D1	D2	D3	K	L													
				25	30	35	45	55	65	75	86	96	106	116	126	136	156
16	22	26	6	•	•	•	•	•	•	•	-	-	-	-	-	-	-
20	30	35	6	-	•	•	•	•	•	•	•	•	•	•	-	-	-
25	35	40	8	-	-	•	•	•	•	•	•	•	•	•	-	-	-
30	42	48	8	-	-	-	•	•	•	•	•	•	•	•	•	•	•
35	47	53	8	-	-	-	•	•	•	•	•	•	•	•	•	•	•
40	55	61	10	-	-	-	-	•	•	•	•	•	•	•	•	•	•

- ORDERING CODE – GBA – D1 x L

PLAIN GUIDE BUSH (GBB)



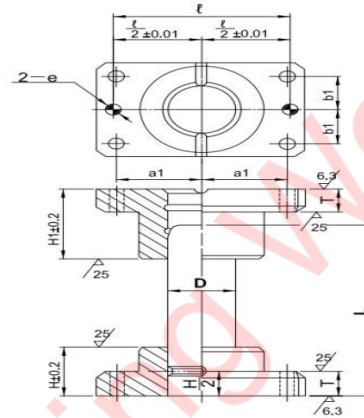
MATERIAL	20Cr
HARDNESS	58-62 HRC

d	d1	M	L											
			25	30	35	45	55	65	75	86	96	106	116	126
16	22	6	•	•	•	•	•	-	-	-	-	-	-	-
20	30	6	-	•	•	•	•	•	•	-	-	-	-	-
25	35	8	-	-	•	•	•	•	•	•	-	-	-	-
30	42	8	-	-	-	•	•	•	•	•	-	-	-	-
35	47	8	-	-	-	•	•	•	•	•	•	-	-	-
40	55	8	-	-	-	-	•	•	•	•	•	•	•	•

- ORDERING CODE – GBB – d x L



GUIDE POST SETS PLAIN (MYP)

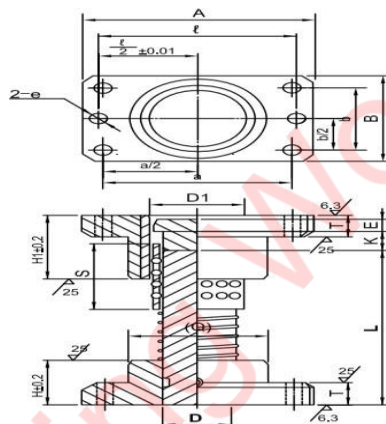


D	A	B	a	b	d	H	H1	T		Q	I	eH7	
20	74	44	56	30	7	56	30	40	15	42	56	6	+0.012
25	84	48	66	30	9	66	30	45	20	46	66	8	+0.0015
30	100	58	76	36	11	76	40	50	20	56	76	8	
32	100	58	76	36	11	76	40	50	20	56	76	8	
38	130	75	100	44	11	100	50	60	25	73	100	10	
50	155	90	125	60	14	125	65	85	25	87	125	10	+0.018
60	190	120	150	80	18	150	75	100	30	117	150	13	
80	230	150	180	110	22	180	100	130	35	145	190	16	

DIA	LENGTH
25	80 90 100 110 120 130 140 150 160 170 180 200
30/32	90 100 110 120 130 140 150 160 170 180 200 220 240 250 260
38	110 120 130 140 150 160 170 180 200 220 240 250 260 280 300
40	170 180 200 220 240 250 -
50	160 170 180 200 220 240 250 260 280 300



GUIDE POST SETS PLAIN (MYKP)

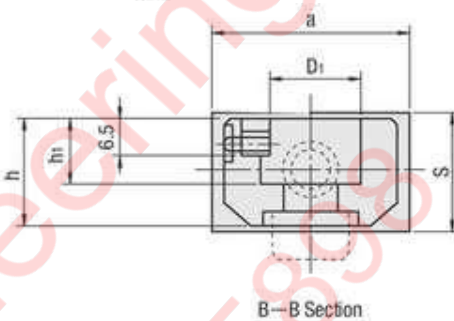
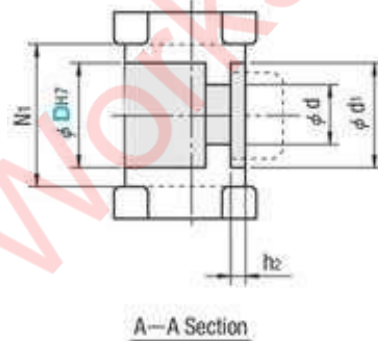
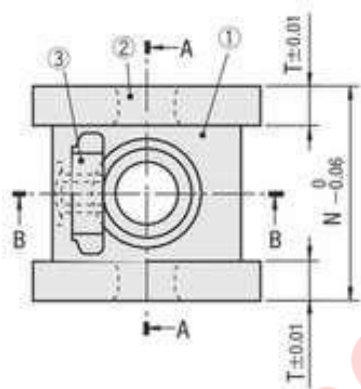


D	D1	A	B	a	b	d	H	H1	T	Q	K	E	S	I	Eh7	
25	31	84	48	66	30	9	30	50	20	46	20	5	50	66	8	+0.015
30	40	100	58	76	36	11	40	60	20	56	25	5	60	76	8	
32	40	100	58	76	36	11	40	60	20	56	25	5	60	76	8	
38	48	130	75	100	44	11	50	70	25	73	30	10	70	100	10	
50	60	155	90	125	60	14	65	90	25	87	40	10	90	125	10	+0.018
60	70	190	120	150	80	18	75	100	30	117	50	15	100	150	13	

DIA	LENGTH
25	90 100 110 120 130 140 150 160 170 180 200
30/32	110 120 130 140 150 160 170 180 200 220 240 250 260
38	130 140 150 160 170 180 200 220 240 250 260 280 300
40	170 180 200 220 240 250 -
50	170 180 200 220 240 250 260 280 300 350
60	180 200 220 240 250 260 280 300 350



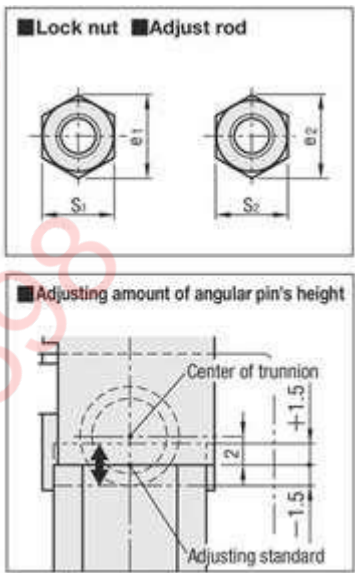
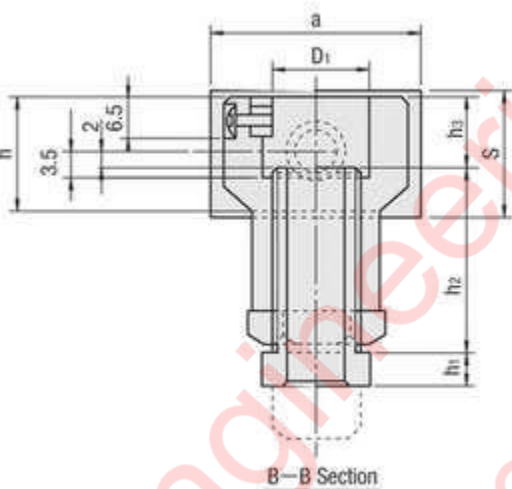
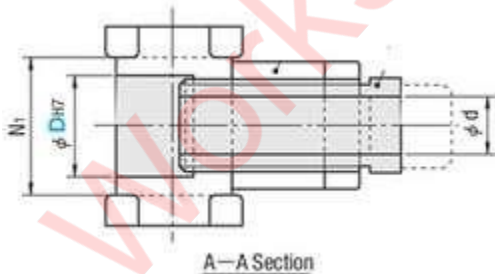
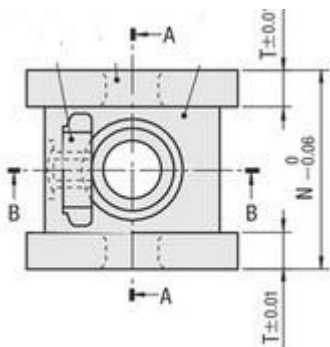
OIL FREE INCLINED PIN HOLDER (FIXED TYPE)



CODE	D	D1	d	d1	h	h2	N	N1	S	a	T	PRICE
SCZNP 12	12	11	5.5	-	16	-	30	17	20	35	6.5	•
SCZNP 16	16	15	9	16	18	3	33	20	20	40	6.5	•
SCZNP 20	20	18	11	20	22	5.5	38	25	24	40	6.5	•
SCZNP 25	25	22	11	20	26	5.5	45	31	26	45	7	•
SCZNP 30	30	27.5	11	20	30	3.5	51	36	30	55	7.5	•



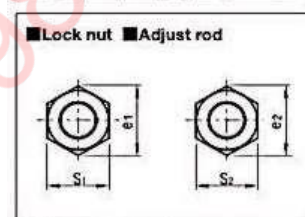
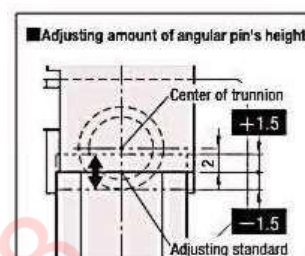
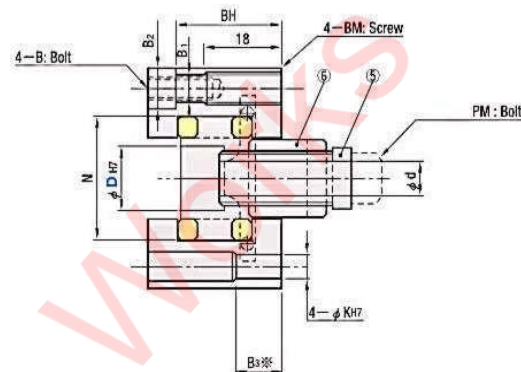
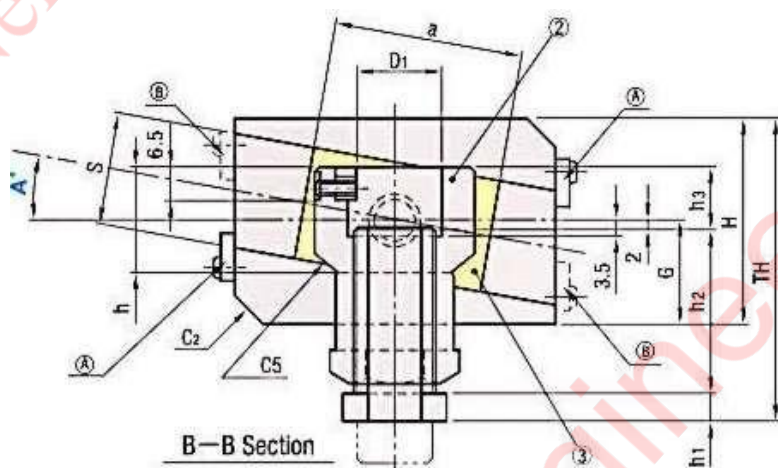
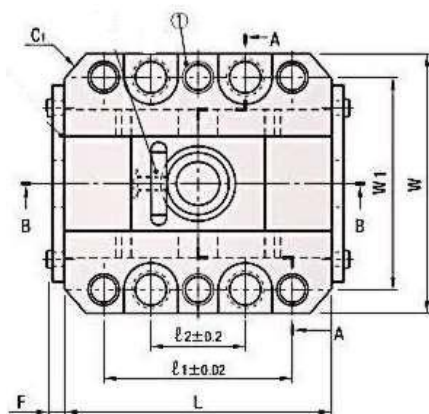
OIL FREE INCLINED PIN HOLDER
(FIXED TYPE)



CODE	D	D1	d	h	h1	h2	h3	N	N1	S	a	T	S1	e1	S2	e2	PRICE
SCZAP 12	12	11	5.5	16	6	33	10	30	17	20	35	6.5	17	19.6	12	13.9	•
SCZAP 16	16	15	9	18	6	33	11	33	20	20	40	6.5	21	24.2	16	18.5	•
SCZAP 20	20	18	11	22	6	36	13	38	25	24	40	6.5	24	27.7	19	21.9	•
SCZAP 25	25	22	11	26	6	39	15	45	31	26	45	7	24	27.7	19	21.9	•
SCZAP 30	30	27.5	11	30	6	41	17	51	36	30	55	7.5	24	27.7	19	21.9	•



OIL FREE SLIDE UNITS

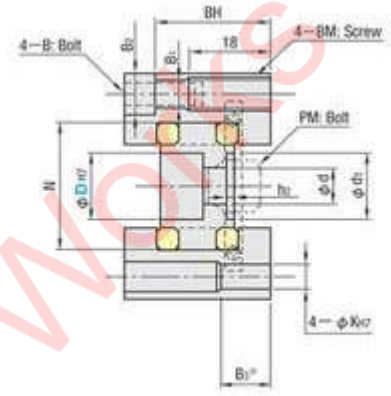
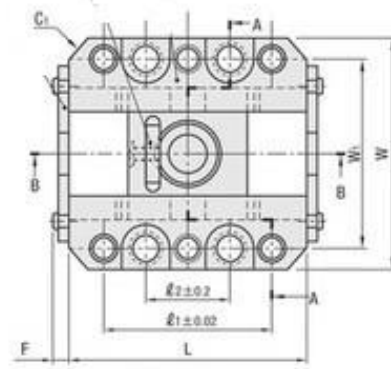


CODE	SLIDE BASE						ANGULAR PIN HOLDER							SLIDE PLATE		TH	G	F	MOUNTING ANGLE OF SLIDE PLATE A°	PRICE
	D	W	L	H	C1	C2	D1	d	h	h1	h2	h3	N	S	A					
SCZA 12	12	56	55	35	5	-	11	5.5	16	6	33	10	30	20	35	58.5	17.5	4.65		
SCZA 16	16	60	65	36	6	-	15	9	18	6	33	11	33	20	40	59	18	4.65		
SCZA 20	20	68	70	43	6	5	18	11	22	6	36	13	38	24	40	65.5	21.5	4.65		
SCZA 25	25	75	80	45	6	5	22	11	26	6	39	15	45	26	45	69.5	22.5	4.65		
SCZA 30	30	81	95	54	6	5	27.5	11	30	6	41	17	51	30	55	76	27	4.65		

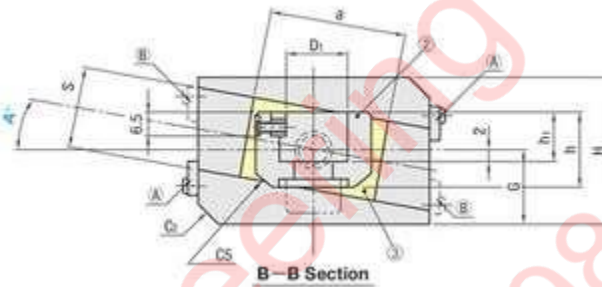
CODE	BOLT HOLE DIMENSIONS										LOCK NUT		ADJUST ROD	
	D	Ø1	Ø2	W1	B1	B2	B3	BM	BH	K	S1	e1	S2	e2
SCZA 12	12	56	55	35	5	-	11	5.5	16	6	33	10	30	20
SCZA 16	16	60	65	36	6	-	15	9	18	6	33	11	33	20
SCZA 20	20	68	70	43	6	5	18	11	22	6	36	13	38	24
SCZA 25	25	75	80	45	6	5	22	11	26	6	39	15	45	26
SCZA 30	30	81	95	54	6	5	27.5	11	30	6	41	17	51	30



OIL FREE SLIDE UNITS



A-A Section



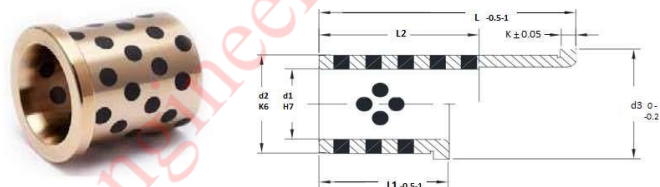
B-B Section

CODE	SLIDE BASE						ANGULAR PIN HOLDER								SLIDE PLATE		G	F	MOUNTING ANGLE OF SLIDE PLATE A°	PRICE
	D	W	L	H	C1	C2	D1	d	d1	h	h1	h2	N	S	A					
SCZN 12	12	56	55	35	5	-	11	5.5	-	16	10	-	30	20	35	17.5	4.65	0 – 10 (TO ORDER – CODE & A°)	•	
SCZN 16	16	60	65	36	6	-	15	9	16	18	11	3	33	20	40	18	4.65		•	
SCZN 20	20	68	70	43	6	5	18	11	20	22	13	5.5	38	24	40	21.5	4.65		•	
SCZN 25	25	75	80	45	6	5	22	11	20	26	15	5.5	45	26	45	22.5	4.65		•	
SCZN 30	30	81	95	54	6	5	27.5	11	20	30	17	5.5	51	30	55	27	4.65		•	

CODE	BOLT HOLE DIMENSIONS									
	D	$\phi 1$	$\phi 2$	W1	B1	B2	B3	BM	BH	K
SCZA 12	12	42	21	45	6.6	11	15	M8	28.5	6
SCZA 16	16	46	25	48	6.6	11	15	M8	29.5	6
SCZA 20	20	50	25	55	8.6	13.5	20	M10	34.5	8
SCZA 25	25	60	35	62	8.6	13.5	20	M10	36.5	8
SCZA 30	30	75	50	68	8.6	13.5	20	M10	45.5	8

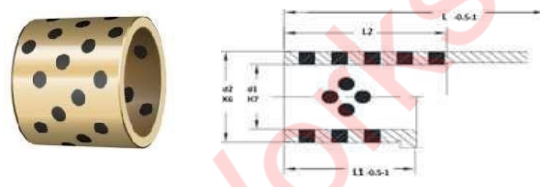


OILLESS BUSH WITH COLLAR



CODE	d1	d2	d3	k	L
STBF-1625	16	22	26	6	25
STBF-1630					30
STBF-1636					36
STBF-1646					46
STBF-2030	20	30	35	6	30
STBF-2036					36
STBF-2046					46
STBF-2536	25	35	40	8	36
STBF-2546					46
STBF-2556					56
STBF-3046	30	42	48	8	46
STBF-3056					56
STBF-3066					66
STBF-3076					76
STBF-3086	40	55	61	10	86
STBF-3096					96
STBF-4066					66
STBF-4076	50	70	76	10	76
STBF-4086					86
STBF-4096					96
STBF-5096					96
STBF-50106					106
STBF-50116					116
STBF-50126					126
STBF-50136					136

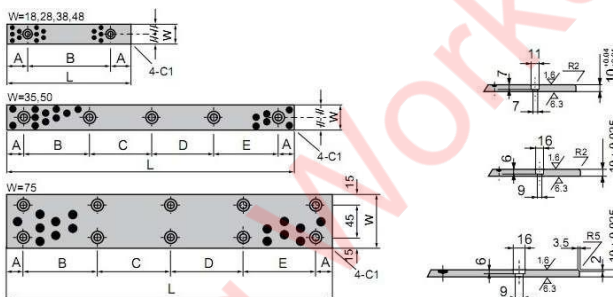
OILLESS BUSH PLAIN



CODE	d1	d2	L
STOB-1625	16	22	25
STOB-1630			30
STOB-2030	20	30	30
STOB-2036			36
STOB-2536	25	35	36
STOB-2546			46
STOB-3046	30	42	46
STOB-3056			56
STOB-3066			66
STOB-4056	40	55	56
STOB-4066			66
STOB-4076			76
STOB-4086			86
STOB-4086	50	70	96
STOB-5076			76
STOB-5086			86
STOB-5096			96



OILLESS PLATES



CODE	W	L		A	B	C	D	SCREW HOLE	NO.OF HOLES	
OP-1875	18	75	0 - 0.02	15	45			M6	2	
OP-18100		100		25	50					
OP-18125		125		25	75					
OP-18150		150		25	100					
OP-2875	28	75		15	45					
OP-28100		100		25	50					
OP-28125		125		25	75					
OP-28150		150		25	100					
OP-35100	35	100		20	60			M8	3	
OP-35150		150		20	55	55				
OP-3875	38	75		15	45			M6	2	
OP-38100		100		25	50					
OP-38125		125		25	75					
OP-38150		150		25	100					
OP-4875	48	75		15	45					
OP-48100		100		25	50					
OP-48125		125	25	75						
OP-48150		150	25	100						
OP-50100	50	100	0 - 0.03	20	60			M8	2	
OP-50150		150		20	55	55			3	
OP-50200		200		20	55	50	55		4	
OP-75150	75	150		20	110				6	
OP-75200		200		20	80	80				
OP-75250		250		20	105	105				
OP-75300		300		20	85	90	85			8