



Guide Elements
Kılavuz Elemanları
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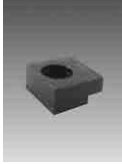
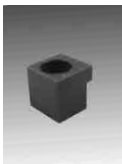
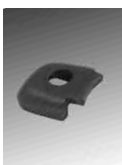
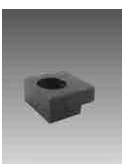
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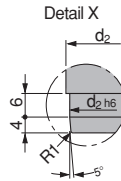
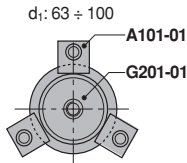
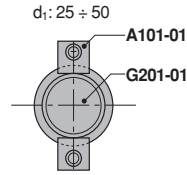
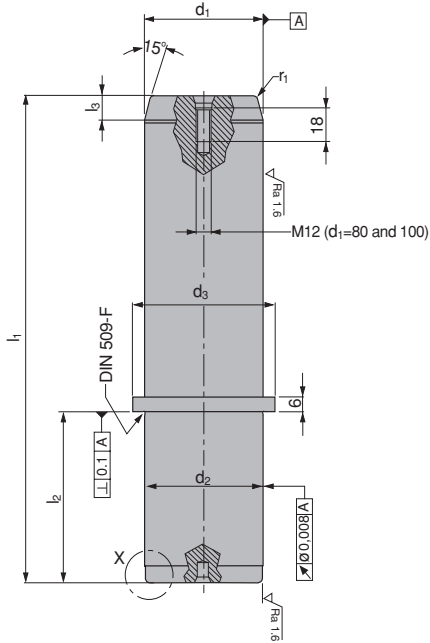
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Material :
Hardened Steel
HRC 57 ÷ 62

GSB CODE:G201-01

d1 f6	d2 r6	d3	l1										l2	l3	r1
25	25	33	140	160	180	-	-	-	-	-	-	-	40	4	2
32	32	40	140	160	180	200	-	-	-	-	-	-	45	8	2
40	40	50	-	160	180	200	224	250	280	315	-	-	56	8	2
50	50	60	-	160	180	200	224	250	280	315	-	-	70	10	2,5
63	63	80	-	-	-	200	224	250	280	315	355	400	80	10	2,5
80	80	90	-	-	-	-	-	250	280	315	355	400	500	100	3
100	100	110	-	-	-	-	-	-	-	315	355	400	500	125	3

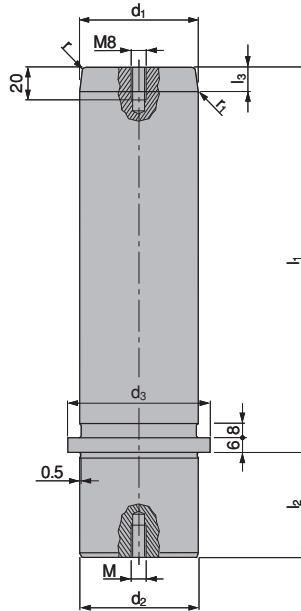
Order Example:

d1=80 and l=315

Order Code:G201-01-080-315



Material :
Hardened Steel
HRC 60 ÷ 64



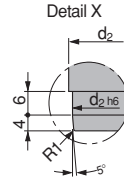
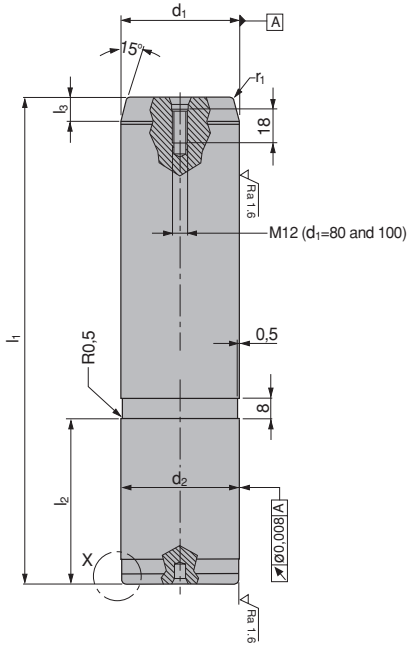
GSB CODE:G201-02

d ₁	d ₂	d ₃	l ₁												l ₂	l ₃	M	r	r ₁	
h ₄	j ₆																			
15	15	22	100	112	125	140	160	180	200	-	-	-	-	-	20	4	M8	2	15	
16	16	22	100	112	125	140	160	180	200	-	-	-	-	-	20	4	M8	2	15	
19	19	25	100	112	125	140	160	180	200	-	-	-	-	-	23	4	M8	2,5	20	
20	20	25	100	112	125	140	160	180	200	-	-	-	-	-	23	4	M8	2,5	20	
24	24	32	100	112	125	140	160	180	200	224	250	-	-	-	30	6	M8	3	20	
25	25	32	100	112	125	140	160	180	200	224	250	-	-	-	30	6	M8	3	20	
30	30	40	-	112	125	140	160	180	200	224	250	280	315	-	37	6	M8	3	30	
32	32	40	-	112	125	140	160	180	200	224	250	280	315	-	37	6	M8	3	30	
38	38	50	-	-	125	140	160	180	200	224	250	280	315	355	-	37	6	M8	3,5	30
40	40	50	-	-	125	140	160	180	200	224	250	280	315	355	-	37	6	M8	3,5	30
48	48	63	-	-	-	140	160	180	200	224	250	280	315	355	400	47	8	M8	3,5	30
50	50	63	-	-	-	140	160	180	200	224	250	280	315	355	400	47	8	M8	3,5	30
60	60	80	-	-	-	-	160	180	200	224	250	280	315	355	400	47	8	M8	4	30
63	63	80	-	-	-	-	160	180	200	224	250	280	315	355	400	47	8	M8	4	30
80	80	95	-	-	-	-	-	180	200	224	250	280	315	355	400	60	8	M12	4	30

Order Example:

d₁=80 l₂=60 and l₁=315

Order Code:G201-02-8060315



Material :
Hardened Steel
HRC 60 ÷ 64

GSB CODE:G202-01

d ₁ f ₆	d ₂ r ₆	l ₁										l ₂	l ₃	r ₁	
25	25	140	160	180	-	-	-	-	-	-	-	40	4	2	
32	32	140	160	180	200	-	-	-	-	-	-	45	8	2	
40	40	-	160	180	200	224	250	-	-	-	-	56	8	2	
50	50	-	160	180	200	224	250	280	315	-	-	70	10	2,5	
63	63	-	-	-	200	224	250	280	315	355	400	-	80	10	2,5
80	80	-	-	-	-	-	250	280	315	355	400	500	100	10	3
100	100	-	-	-	-	-	-	-	315	355	400	500	125	10	3

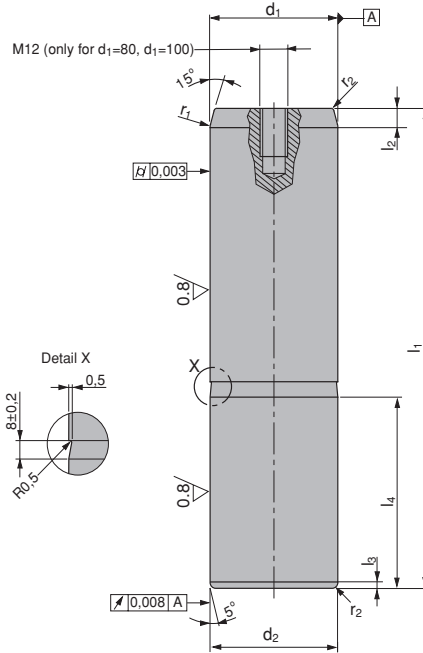
Order Example:

d1=80 and l=315

Order Code:G202-01-080-315



Material :
Hardened Steel
HRC 60 ÷ 64



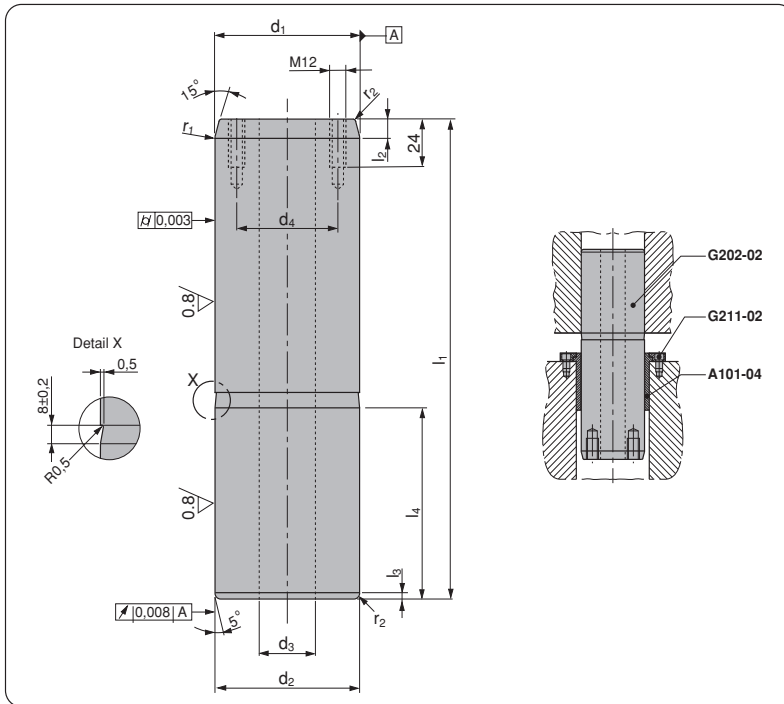
GSB CODE:G202-02

d ₁ f6	d ₂ r6								l ₁ -1						l ₂ +0,8	l ₃ +0,8	l ₄ +0,8	r ₁	r ₂
25	25	125	140	160	180	200	224	-	-	-	-	-	-	-	8	4	40	3	2
32	32	-	140	160	180	200	224	250	-	-	-	-	-	-	8	4	45	3	2
40	40	-	140	160	180	200	224	250	280	-	-	-	-	-	8	4	56	3	2
50	50	-	-	160	180	200	224	250	280	315	355	-	-	-	10	4	70	5	2,5
63	63	-	-	-	180	200	224	250	280	315	355	400	-	-	10	4	80	6	2,5
80	80	-	-	-	-	200	224	250	280	315	355	400	450	-	10	4	100	8	3
100	100	-	-	-	-	-	224	250	280	315	355	400	450	-	10	4	125	10	3

Order Example:

d₁=80 and l=315

Order Code:**G202-02-080-315**



Material :
Hardened Steel
HRC 60 ÷ 64

GSB CODE:G202-03

d ₁	d ₂	d ₃	d ₄	l ₁										l ₂	l ₃	l ₄	r ₁	r ₂
f6	r6	±2	+0.8	-1										+0.8	+0.8	+0.8		
80	80	40	58	200	224	250	280	315	355	400	450	-	-	10	4	100	8	3
100	100	50	72	-	224	250	280	315	355	400	450	-	-	10	4	125	10	3
125	125	65	90	-	-	-	-	315	355	400	450	500	-	12	4	140	12	4
160	160	95	132	-	-	-	-	-	-	400	450	500	560	12	5	180	18	4

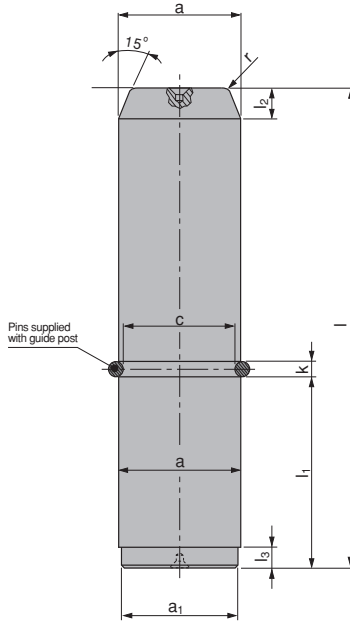
Order Example:

d₁=80 and l=315

Order Code:G202-03-080-315



Material :
Hardened Steel
HRC 60 ÷ 64



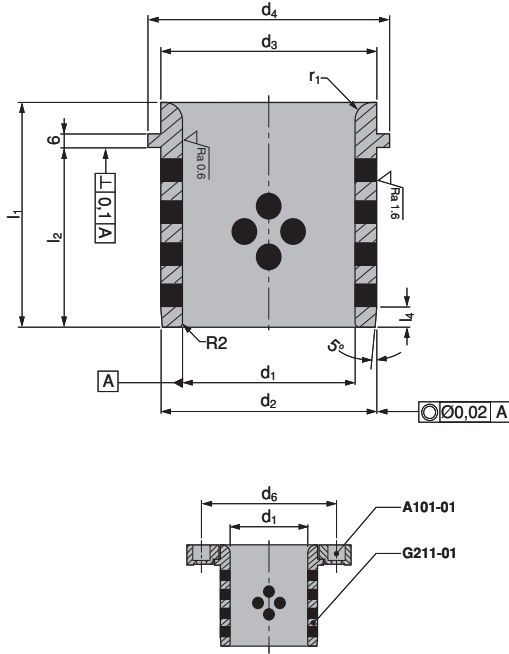
GSB CODE:G202-05

a	a ₁	l ₁												l ₁	l ₂	l ₃	c	k	r		
h5	d8																				
25	25	100	125	140	160	180	200	224	-	-	-	-	-	25	8	8	22.3	2.7	2		
32	32	-	125	140	140	180	200	224	250	-	-	-	-	32	10	12	27.8	4.2	2		
40	40	-	-	-	-	180	200	224	250	280	315	-	-	63	12	12	35.8	4.2	2		
50	50	-	-	-	-	-	200	224	250	280	315	355	400	80	16	12	45.8	4.2	2.5		
63	63	-	-	-	-	-	-	-	250	280	315	355	400	450	500	100	16	18	56.8	6.2	2.5
80	80	-	-	-	-	-	-	-	-	-	315	355	400	450	500	125	16	18	73.8	6.2	3
100	100	-	-	-	-	-	-	-	-	-	-	355	400	450	500	160	16	18	93.8	6.2	3

Order Example:

a=80 and l₁=315

Order Code:G202-05-080-315



Material :
Bronze with Non-Liquid Lubricant
HB ≥ 190

Direction of Motion



GSB CODE:G211-01

Code	d ₁ H7	d ₂ g6	d ₃ -0,25	d ₄ -0,8	d ₆ ±0,3	l ₁ -0,5	l ₂	l ₄	r ₁
G211-01-025-040	25	32	32	40	75	40	30	4	3
G211-01-032-050	32	40	40	50	83	50	40	4	3
G211-01-040-063	40	50	50	63	93	63	50	5	3
G211-01-050-071	50	63	63	71	106	71	56	6	5
G211-01-063-080	63	80	80	90	123	80	63	8	6
G211-01-080-100	80	100	100	112	143	100	80	10	8
G211-01-100-125	100	125	125	140	168	125	106	12	10
G211-01-125-160	125	160	160	180	203	160	132	12	12

Order Example:

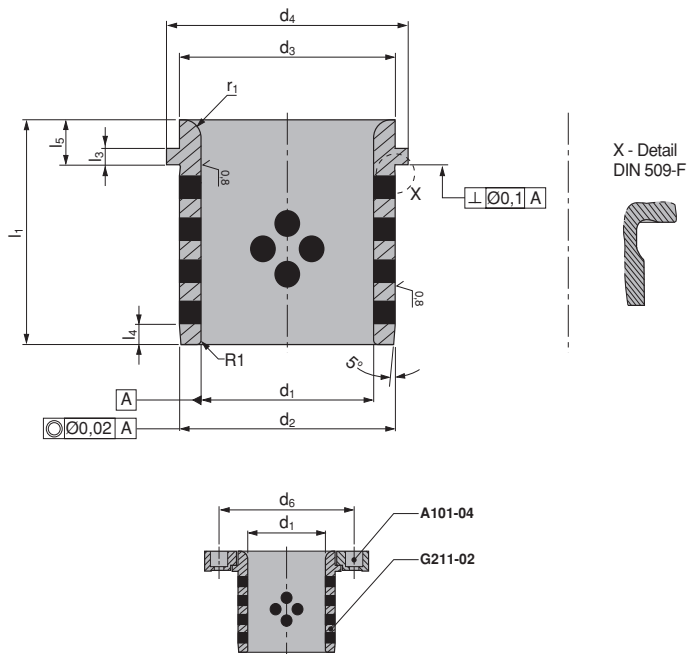
d₁=80 and l₁=100

Order Code:G211-01-080-100



Material :
Bronze with Non-Liquid Lubricant
HB $\geq$ 190

Direction of Motion



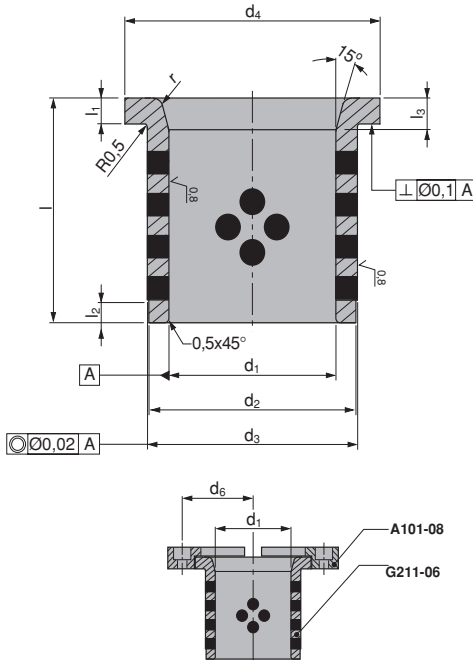
GSB CODE:G211-02

Code	d ₁	d ₂	d ₃	d ₄	d ₅	l ₁	l ₃	l ₄	l ₅	r ₁
	H7	h6	-0,25	-0,8	±0,3	-0,5 / -1	±0,1	±1	-0,5	
G211-02-025-040	25	32	32	40	58	40	6,3	3	10	3
G211-02-032-050	32	40	40	50	66	50	6,3	4	12	3
G211-02-040-063	40	50	50	63	79	63	6,3	5	15	3
G211-02-050-071	50	63	63	71	89	71	6,3	6,3	17	5
G211-02-063-080	63	80	80	90	123	80	10	8	19	6
G211-02-080-100	80	100	100	112	143	100	10	10	22	8
G211-02-100-125	100	125	125	140	168	125	10	12,5	21	10
G211-02-125-160	125	160	160	180	203	160	10	16	30	12
G211-02-160-200	160	200	200	220	243	200	10	16	32	18

Order Example:

$d_1=80$ and $l_1=100$

Order Code:G211-02-080-100



Material :
Bronze with Non-Liquid Lubricant
HB ≥ 190

Direction of Motion



GSB CODE:G211-06

Code	d ₁ G7	d ₂ d8	d ₃ m6	d ₄	d ₅	l -0.2 / -0.5	l ₁ -0.05	l ₂	l ₃	r ₁
G211-06-020-032	20	28	32	32	16	32	4	3	-	2
G211-06-025-040	25	35	40	40	20	40	5	5	-	2
G211-06-032-050	32	44	50	50	25	50	6	5	-	3
G211-06-040-063	40	52	60	60	38,5	63	8	8	-	3
G211-06-050-080	50	63	71	71	46	80	10	8	8	3
G211-06-063-100	63	80	90	90	55	100	12	10	10	3
G211-06-080-125	80	100	112	112	70	125	16	10	10	4
G211-06-100-160	100	125	140	140	81	160	20	10	10	4

Order Example:

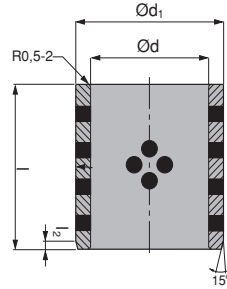
d₁=80 and l₁=125

Order Code:G211-06-080-125



Material :
Bronze with Non-Liquid Lubricant
HB ≥ 190

Direction of Motion



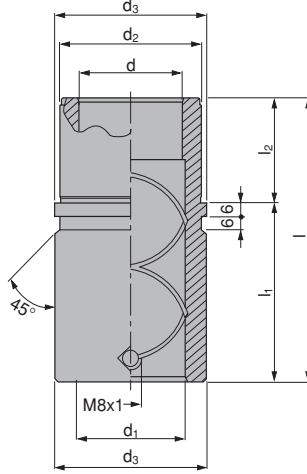
GSB CODE:G212-01

d	d ₁	l														l ₂
F7	m6	-0,1 / -0,3														
8	12	8	10	12	15	-	-	-	-	-	-	-	-	-	-	2
10	14	-	10	12	15	-	20	-	-	-	-	-	-	-	-	2
12	18	-	10	12	-	16	20	25	30	-	-	-	-	-	-	2
16	22	-	-	12	-	16	20	25	30	35	40	-	-	-	-	2
18	24	-	-	-	-	-	20	25	30	35	40	-	-	-	-	2
20	28	-	-	-	-	-	20	25	30	35	40	-	-	-	-	2
20	30	-	-	-	-	16	20	25	30	35	40	-	-	-	-	2
25	33	-	-	-	-	-	20	25	30	35	40	50	-	-	-	2
25	35	-	-	-	-	-	20	25	30	35	40	50	-	-	-	2
30	38	-	-	-	-	-	-	25	30	35	40	50	60	-	-	2
30	40	-	-	-	-	-	20	-	30	35	40	50	60	-	-	2
35	44	-	-	-	-	-	-	-	-	40	50	-	-	-	-	2
35	45	-	-	-	-	-	-	-	30	-	40	50	60	-	-	2
40	50	-	-	-	-	-	-	25	30	35	40	50	60	-	-	2
40	55	-	-	-	-	-	-	-	-	-	50	60	-	-	-	2
50	60	-	-	-	-	-	-	-	-	-	-	50	60	70	-	2
50	62	-	-	-	-	-	-	-	-	-	-	-	60	70	-	2
50	65	-	-	-	-	-	-	-	-	-	-	50	-	70	-	2
60	75	-	-	-	-	-	-	-	-	-	-	50	60	-	80	2
70	85	-	-	-	-	-	-	-	-	-	-	-	60	70	80	2
80	96	-	-	-	-	-	-	-	-	-	-	-	60	-	100	2
80	100	-	-	-	-	-	-	-	-	-	-	-	60	-	100	2
100	120	-	-	-	-	-	-	-	-	-	-	-	-	-	120	2
110	130	-	-	-	-	-	-	-	-	-	-	-	-	80	-	2
130	150	-	-	-	-	-	-	-	-	-	-	-	-	-	100	4

Order Example:

d= 25, d₁= 33 and l₁= 50

Order Code:G212-01-025033050



Material :
16MnCr5
HRC 58 ÷ 62

GSB CODE:G213-01

Code	d -1	d ₁ G6	d ₂ j6	d ₃	l	l ₁	l ₂
G213-01-020-070	20	20	28	34	70	47	23
G213-01-025-080	25	25	34	39	80	57	23
G213-01-030-090	30	30	39	44	90	53	37
G213-01-040-100	40	40	50	54	100	63	37
G213-01-050-120	50	50	60	64	120	73	47

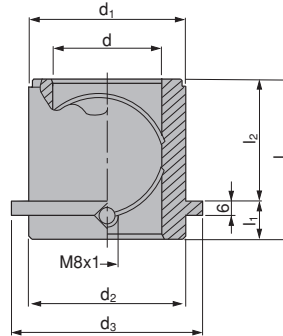
Order Example:

d₁=20 and l=70

Order Code:G213-01-020-070



Material :
16MnCr5
HRC 58 ÷ 62



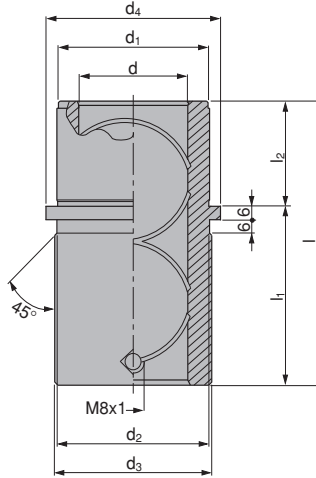
GSB CODE:G213-02

Code	d G6	d ₁ J6	d ₂	d ₃	l	l ₁	l ₂
G213-02-020-036	20	28	28	34	36	13	23
G213-02-025-036	25	34	34	39	36	13	23
G213-02-030-050	30	39	39	44	50	13	37
G213-02-040-050	40	50	50	54	50	13	37
G213-02-050-060	50	60	60	64	60	13	47

Order Example:

d=20 and l=36

Order Code:G213-02-020-036



Material :
16MnCr5
HRC 58 ÷ 62

GSB CODE:G213-03

Code	d H5	d1 j6	d2	d3	d4	l	l1	l2
G213-03-019-043	19	32	32	39	40	43	20	23
G213-03-019-059	19	32	32	39	40	59	36	23
G213-03-020-043	20	32	32	39	40	43	20	23
G213-03-020-059	20	32	32	39	40	59	36	23
G213-03-024-059	24	40	40	46	48	59	36	23
G213-03-024-079	24	40	40	46	48	79	56	23
G213-03-025-059	25	40	40	46	48	59	36	23
G213-03-025-079	25	40	40	46	48	79	56	23
G213-03-030-075	30	48	48	53	56	75	45	30
G213-03-030-093	30	48	48	53	56	93	63	30
G213-03-032-075	32	48	48	53	56	75	45	30
G213-03-032-093	32	48	48	53	56	93	63	30
G213-03-038-082	38	58	58	63	66	82	45	37
G213-03-038-108	38	58	58	63	66	108	71	37
G213-03-040-082	40	58	58	63	66	82	45	37
G213-03-040-108	40	58	58	63	66	108	71	37
G213-03-048-097	48	70	70	77	80	97	50	47
G213-03-048-127	48	70	70	77	80	127	80	47
G213-03-050-097	50	70	70	77	80	97	50	47
G213-03-050-127	50	70	70	77	80	127	80	47
G213-03-060-116	60	85	85	92	95	116	56	60
G213-03-060-150	60	85	85	92	95	150	90	60
G213-03-063-116	63	85	85	92	95	116	56	60
G213-03-063-150	63	85	85	92	95	150	90	60
G213-03-080-120	80	105	105	115	118	120	60	60
G213-03-080-150	80	105	105	115	118	150	90	60

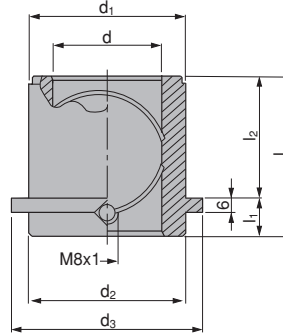
Order Example:

d=30 and l=75

Order Code:G213-03-030-075



Material :
16MnCr5
HRC 58 ÷ 62



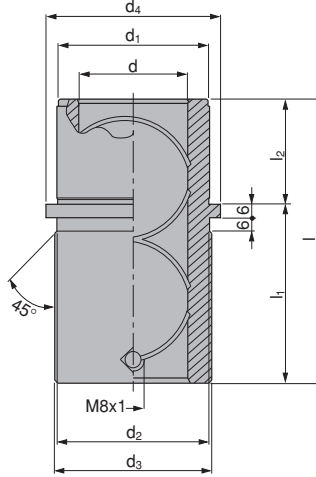
GSB CODE:G213-04

Code	d H5	d ₁ j6	d ₂	d ₃	l	l ₁	l ₂
G213-04-019-035	19	32	32	40	35	12	23
G213-04-020-035	20	32	32	40	35	12	23
G213-04-024-035	24	40	40	48	35	12	23
G213-04-025-035	25	40	40	48	35	12	23
G213-04-030-042	30	48	48	56	42	12	30
G213-04-032-042	32	48	48	56	42	12	30
G213-04-038-052	38	58	58	66	52	15	37
G213-04-040-052	40	58	58	66	52	15	37
G213-04-048-065	48	70	70	80	65	18	47
G213-04-050-065	50	70	70	80	65	18	47
G213-04-060-080	60	85	85	95	80	20	60
G213-04-063-080	63	85	85	95	80	20	60
G213-04-080-080	80	105	105	118	80	20	60

Order Example:

d=20 and l=35

Order Code:G213-04-020-035



Material :
16MnCr5
HRC 58 ÷ 62
Bronze HB ≥ 190

GSB CODE:G217-01

Code	d H5	d ₁ j6	d ₂	d ₃	d ₄	l	l ₁	l ₂
G217-01-019-043	19	32	32	39	40	43	20	23
G217-01-019-059	19	32	32	39	40	59	36	23
G217-01-020-043	20	32	32	39	40	43	20	23
G217-01-020-059	20	32	32	39	40	59	36	23
G217-01-024-059	24	40	40	46	48	59	36	23
G217-01-024-079	24	40	40	46	48	79	56	23
G217-01-025-059	25	40	40	46	48	59	36	23
G217-01-025-079	25	40	40	46	48	79	56	23
G217-01-030-075	30	48	48	53	56	75	45	30
G217-01-030-093	30	48	48	53	56	93	63	30
G217-01-032-075	32	48	48	53	56	75	45	30
G217-01-032-093	32	48	48	53	56	93	63	30
G217-01-038-082	38	58	58	63	66	82	45	37
G217-01-038-108	38	58	58	63	66	108	71	37
G217-01-040-082	40	58	58	63	66	82	45	37
G217-01-040-108	40	58	58	63	66	108	71	37
G217-01-048-097	48	70	70	77	80	97	50	47
G217-01-048-127	48	70	70	77	80	127	80	47
G217-01-050-097	50	70	70	77	80	97	50	47
G217-01-050-127	50	70	70	77	80	127	80	47
G217-01-060-116	60	85	85	92	95	116	56	60
G217-01-060-150	60	85	85	92	95	150	90	60
G217-01-063-116	63	85	85	92	95	116	56	60
G217-01-063-150	63	85	85	92	95	150	90	60
G217-01-080-120	80	105	105	115	118	120	60	60
G217-01-080-150	80	105	105	115	118	150	90	60

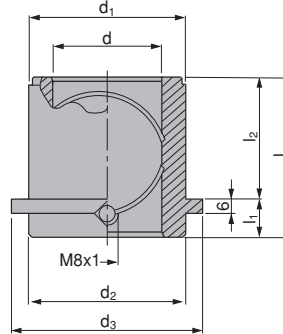
Order Example:

d=23 and l=75

Order Code:G217-01-030-075



Material :
16MnCr5
HRC 58 ÷ 62
Bronze HB ≥ 190



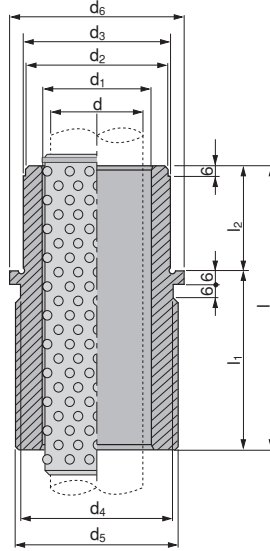
GSB CODE:G217-02

Code	d H5	d ₁ j6	d ₂	d ₃	l	l ₁	l ₂
G217-02-019-035	19	32	32	40	35	12	23
G217-02-020-035	20	32	32	40	35	12	23
G217-02-024-035	24	40	40	48	35	12	23
G217-02-025-035	25	40	40	48	35	12	23
G217-02-030-042	30	48	48	56	42	12	30
G217-02-032-042	32	48	48	56	42	12	30
G217-02-038-052	38	58	58	66	52	15	37
G217-02-040-052	40	58	58	66	52	15	37
G217-02-048-065	48	70	70	80	65	18	47
G217-02-050-065	50	70	70	80	65	18	47
G217-02-060-080	60	85	85	95	80	20	60
G217-02-063-080	63	85	85	95	80	20	60
G217-02-080-080	80	105	105	118	80	20	60

Order Example:

d=20 and l=35

Order Code:G217-02-020-035



Material :
16MnCr5
HRC 58 ÷ 62

GSB CODE:G215-01

Code	d	d ₁ H4	d ₂ f7	d ₃ j6	d ₄	d ₅ ±0.2	d ₆	l -0.2	l ₁	l ₂ -0.2
G215-01-019-043	19	25	32	32	32	39	40	43	20	23
G215-01-019-059	19	25	32	32	32	39	40	59	36	23
G215-01-020-043	20	26	32	32	32	39	40	43	20	23
G215-01-020-059	20	26	32	32	32	39	40	59	36	23
G215-01-024-059	24	30	40	40	40	46	48	59	36	23
G215-01-024-079	24	30	40	40	40	46	48	79	56	23
G215-01-025-059	25	31	40	40	40	46	48	59	36	23
G215-01-025-079	25	31	40	40	40	46	48	79	56	23
G215-01-030-075	30	38	48	48	48	53	56	75	45	30
G215-01-030-093	30	38	48	48	48	53	56	93	63	30
G215-01-032-075	32	40	48	48	48	53	56	75	45	30
G215-01-032-093	32	40	48	48	48	53	56	93	63	30
G215-01-038-082	38	46	58	58	58	63	66	82	45	37
G215-01-038-108	38	46	58	58	58	63	66	108	71	37
G215-01-040-082	40	48	58	58	58	63	66	82	45	37
G215-01-040-108	40	48	58	58	58	63	66	108	71	37
G215-01-048-097	48	56	70	70	70	77	80	97	50	47
G215-01-048-127	48	56	70	70	70	77	80	127	80	47
G215-01-050-097	50	58	70	70	70	77	80	97	50	47
G215-01-050-127	50	58	70	70	70	77	80	127	80	47
G215-01-060-116	60	68	85	85	85	92	95	116	56	60
G215-01-060-150	60	68	85	85	85	92	95	150	90	60
G215-01-063-116	63	71	85	85	85	92	95	116	56	60
G215-01-063-150	63	71	85	85	85	92	95	150	90	60
G215-01-080-120	80	92	105	105	105	115	118	120	60	60
G215-01-080-150	80	92	105	105	105	115	118	150	90	60

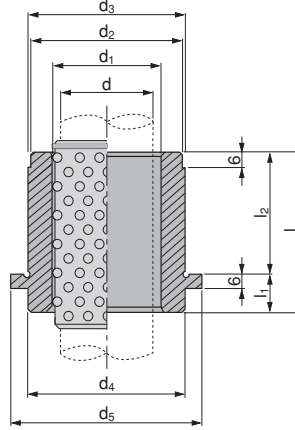
Order Example:

d=23 and l=75

Order Code: **G217-01-030-075**



Material :
16MnCr5
HRC 58 ÷ 62



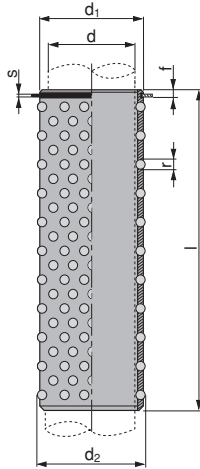
GSB CODE:G215-02

Code	d	d ₁ H4	d ₂ f7	d ₃ j6	d ₄	d ₅ ±0,2	l -0,2	l ₁	l ₂ -0,2
G215-02-019-035	19	25	32	32	32	40	35	12	23
G215-02-020-035	20	26	32	32	32	40	35	12	23
G215-02-024-035	24	30	40	40	40	48	35	12	23
G215-02-025-035	25	31	40	40	40	48	35	12	23
G215-02-030-042	30	38	48	48	48	56	42	12	30
G215-02-032-042	32	40	48	48	48	56	42	12	30
G215-02-038-052	38	46	58	58	58	66	52	15	37
G215-02-040-052	40	48	58	58	58	66	52	15	37
G215-02-048-065	48	56	70	70	70	80	65	18	47
G215-02-050-065	50	58	70	70	70	80	65	18	47
G215-02-060-080	60	68	85	85	85	95	80	20	60
G215-02-063-080	63	71	85	85	85	95	80	20	60
G215-02-080-080	80	92	105	105	105	118	80	20	60

Order Example:

d=20 and l=35

Order Code:G215-02-020-035



Material :
Bushes : SnBz10
Ball : 100Cr6

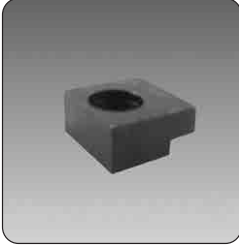
GSB CODE:G216-01

d	d ₁	d ₂	f					l								r	s
19	24	25	2,9	45	56	71	80	95	-	-	-	-	-	-	-	3	1,2
20	25	26	2,9	45	56	71	80	95	-	-	-	-	-	-	-	3	1,2
24	29	30	3,2	45	56	71	80	95	105	120	140	-	-	-	-	3	1,5
25	30	31	3,2	45	56	71	80	95	105	120	140	-	-	-	-	3	1,5
30	37	38	3,95	45	56	71	80	95	105	120	140	-	-	-	-	4	1,75
32	39	40	3,95	45	56	71	80	95	105	120	140	-	-	-	-	4	1,75
38	45	46	3,95	-	56	71	80	95	105	120	140	160	-	-	-	4	1,75
40	47	48	3,95	-	56	71	80	95	105	120	140	160	-	-	-	4	1,75
48	55	56	4,25	-	-	71	80	95	105	120	140	160	-	-	-	4	2
50	57	58	4,25	-	-	71	80	95	105	120	140	160	-	-	-	4	2
60	67	70	4,75	-	-	-	80	95	105	120	140	160	180	200	240	4	2,5
63	70	73	4,75	-	-	-	80	95	105	120	140	160	180	200	240	4	2,5
80	90	92	6,15	-	-	-	-	-	-	120	140	160	180	200	240	6	3

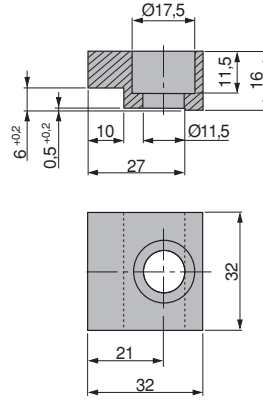
Order Example:

d=63 and l=120

Order Code:G216-01-063-120



Material :
CK45



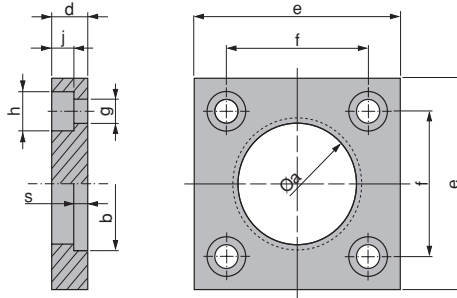
GSB CODE:A101-01

Code

A101-01-032-032

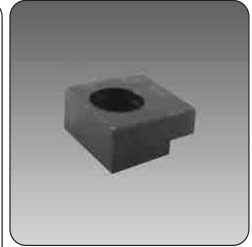
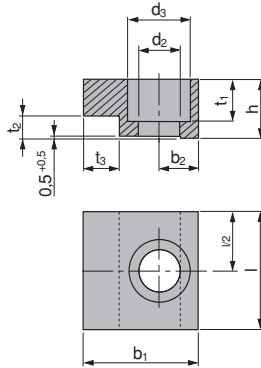


Material :
CK45



GSB CODE:A101-03

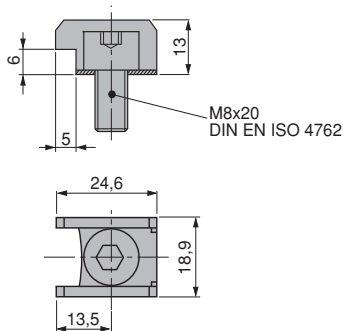
Code	a	b	d	e	f	g	h	j	s
A101-03-025	25	28	10	45	31	7	11	7	2,7
A101-03-032	32	37	10	56	36	7	11	7	4,2
A101-03-040	40	45	12	70	50	7	11	7	4,2
A101-03-050	50	55	14	80	55	9	16	9	4,2
A101-03-063	63	70	18	100	70	11	18	11	6,2
A101-03-080	80	87	20	110	80	14	22	14	6,2
A101-03-100	100	107	20	140	100	14	22	14	6,2



Material :
CK45

GSB CODE:A101-04

Code	b ₁	b ₂	d ₂ +0,2	d ₃ +0,2	h	l -0,3	t ₁ +0,2	t ₂ -0,3	t ₃ +0,2	Bushes Size
A101-04-020-020	20	7,5	7	11	10	20	7	6,3	5	Ø25-Ø50
A101-04-032-032	32	11	11,5	17,5	16	32	11,5	10	10	Ø63-Ø160

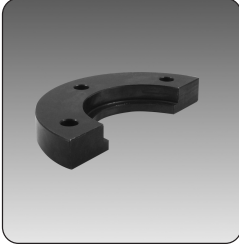


Material :
CK45

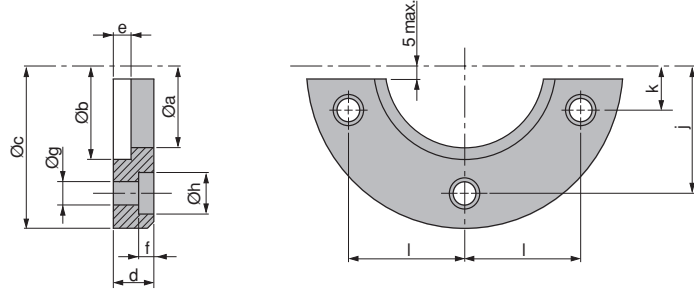
GSB CODE:A101-05

Code

A101-05-189-246

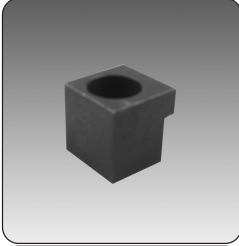


Material :
CK45

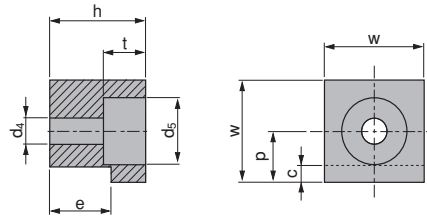


GSB CODE:A101-08

Code	a	b	c	d	e	f	g	h	j	k	l	Bushes Size
A101-08-025-020	32	41	72	10	5	7	6,6	12	-	20	20	25
A101-08-032-021	40	51	80	12	6	7	6,6	12	-	21	25	32
A101-08-040-014	50	61	100	12	8	7	6,6	12	41	14	38,5	40
A101-08-050-017	63	72	125	16	10	9	9	16	49	17	46	50
A101-08-063-017	80	91	140	20	12	11	11	18	57,5	17	55	63
A101-08-080-020	100	113	180	25	16	13	14	22	72	20	70	80
A101-08-100-025	125	141	200	32	20	13	14	22	85	25	81	100

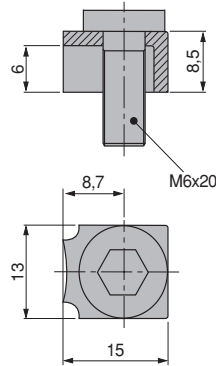


Material :
CK45



GSB CODE:A101-09

Code	p	w	h	e +015 / +0,05	c	t	d ₄	d ₅
A101-09-040-018	9,5	18	12	8	3	7	6,6	11
A101-09-050-022	12	22	16	10	4	9	9	15
A101-09-063-026	15	26	20	12	5	11	11	18
A101-09-080-026	15	26	25	16	5	11	11	18
A101-09-100-026	15	26	32	20	5	11	11	18

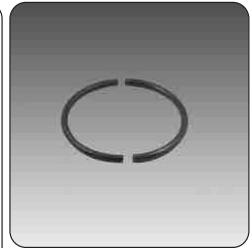
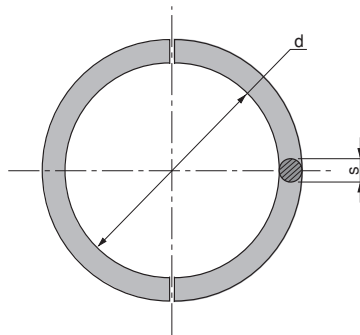


Material :
St 37

GSB CODE:A101-10

Code

A101-10-013-015



Material :
CK45

GSB CODE:A102-01

Code	d	s h10	Guide Post Size
A102-01-025	22,5	2,5	Ø25
A102-01-032	28	4	Ø32
A102-01-040	36	4	Ø40
A102-01-050	46	4	Ø50
A102-01-063	57	6	Ø63
A102-01-080	74	6	Ø80
A102-01-100	94	6	Ø100

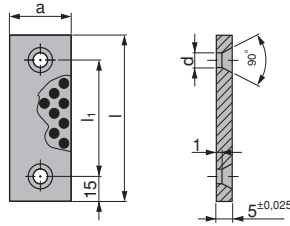


NOTE

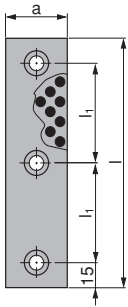
3.32

info@gsb-oilless.com

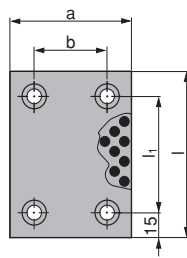
Form - A



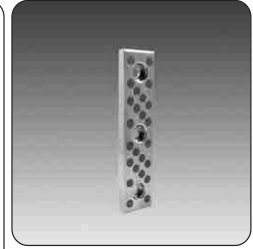
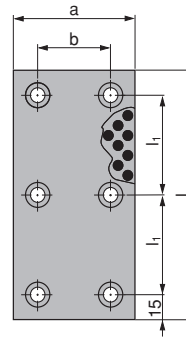
Form - B



Form - C



Form - D



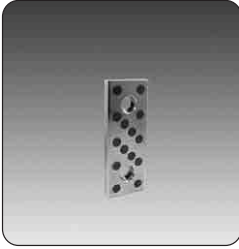
Material :
Bronze with Non-Liquid Lubricant
HB ≥ 190

Direction of Motion



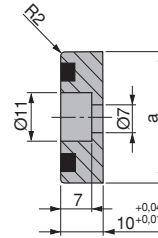
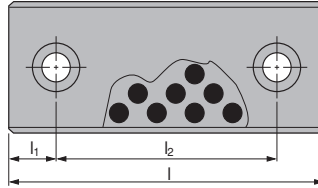
GSB CODE: P605-01

Code	Form	a	b	d	l	l ₁
P605-01-018-050	A	18	-	6,5	50	20
P605-01-018-075	A	18	-	6,5	75	45
P605-01-018-100	A	18	-	6,5	100	70
P605-01-018-150	B	18	-	6,5	150	60
P605-01-028-050	A	28	-	9	50	20
P605-01-028-075	A	28	-	9	75	45
P605-01-028-100	A	28	-	9	100	70
P605-01-028-150	B	28	-	9	150	60
P605-01-038-050	A	38	-	9	50	20
P605-01-038-075	A	38	-	9	75	45
P605-01-038-100	A	38	-	9	100	70
P605-01-038-150	B	38	-	9	150	60
P605-01-048-075	A	48	-	9	75	45
P605-01-048-100	A	48	-	9	100	70
P605-01-048-125	A	48	-	9	125	95
P605-01-048-150	B	48	-	9	150	60
P605-01-075-075	C	75	45	9	75	45
P605-01-075-100	C	75	45	9	100	70
P605-01-075-125	C	75	45	9	125	95
P605-01-075-150	D	75	45	9	150	60
P605-01-100-100	C	100	70	9	100	70
P605-01-100-125	C	100	70	9	125	95
P605-01-100-150	D	100	70	9	150	60



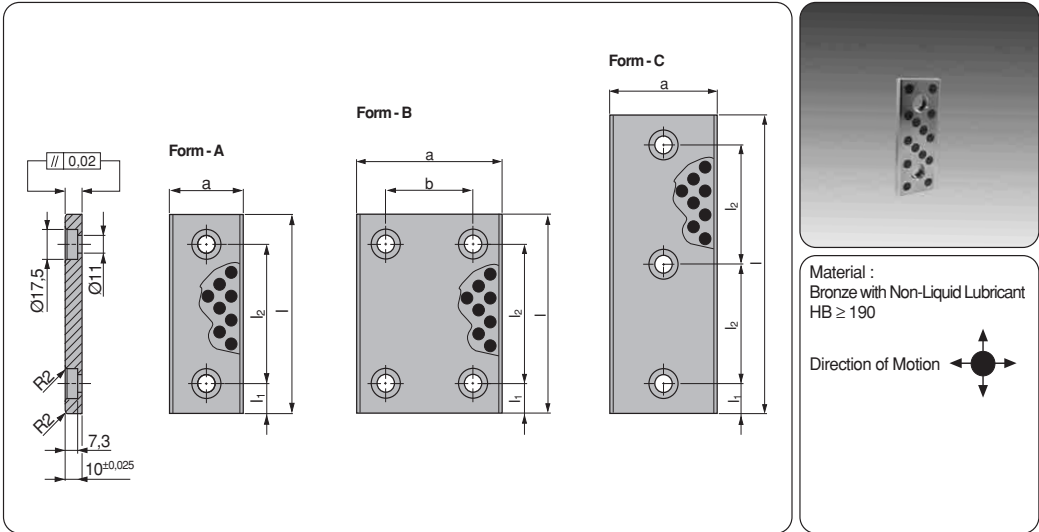
Material :
Bronze with Non-Liquid Lubricant
HB ≥ 190

Direction of Motion



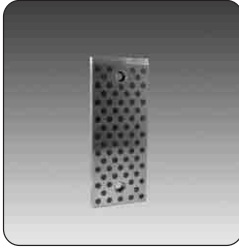
GSB CODE:G220-01

Code	a	l	l ₁	l ₂
G220-01-018-075	18	75	15	45
G220-01-018-100	18	100	25	50
G220-01-018-125	18	125	25	75
G220-01-018-150	18	150	25	100
G220-01-028-075	28	75	15	45
G220-01-028-100	28	100	25	50
G220-01-028-125	28	125	25	75
G220-01-028-150	28	150	25	100
G220-01-038-075	38	75	15	45
G220-01-038-100	38	100	25	50
G220-01-038-125	38	125	25	75
G220-01-038-150	38	150	25	100
G220-01-048-075	48	75	15	45
G220-01-048-100	48	100	25	50
G220-01-048-125	48	125	25	75
G220-01-048-150	48	150	25	100



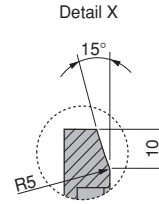
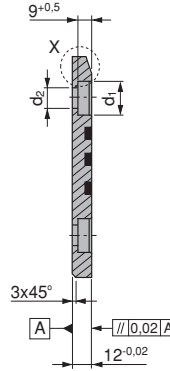
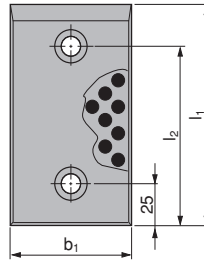
GSB CODE:G220-03

Code	Form	a	b	l	l ₁	l ₂
G220-03-028-075	A	28	-	75	15	45
G220-03-028-100	A	28	-	100	25	50
G220-03-028-125	A	28	-	125	25	75
G220-03-028-150	A	28	-	150	25	100
G220-03-038-075	A	38	-	75	15	45
G220-03-038-100	A	38	-	100	25	50
G220-03-038-125	A	38	-	125	25	75
G220-03-038-150	A	38	-	150	25	100
G220-03-048-075	A	48	-	75	15	45
G220-03-048-100	A	48	-	100	25	50
G220-03-048-125	A	48	-	125	25	75
G220-03-048-150	A	48	-	150	25	100
G220-03-048-200	A	48	-	200	50	100
G220-03-058-075	A	58	-	75	15	45
G220-03-058-100	A	58	-	100	25	50
G220-03-058-125	A	58	-	125	25	75
G220-03-058-150	A	58	-	150	25	100
G220-03-058-200	A	58	-	200	50	100
G220-03-075-075	A	75	-	75	15	45
G220-03-075-100	A	75	-	100	25	50
G220-03-075-125	A	75	-	125	25	75
G220-03-075-150	A	75	-	150	25	100
G220-03-075-200	C	75	-	200	25	75
G220-03-100-100	B	100	50	100	25	50
G220-03-100-125	B	100	50	125	25	75
G220-03-100-150	B	100	50	150	25	100
G220-03-100-200	B	100	50	200	25	150
G220-03-100-250	B	100	50	250	25	200
G220-03-125-150	B	125	50	150	25	100
G220-03-125-200	B	125	50	200	25	150
G220-03-125-250	B	125	50	250	25	200
G220-03-150-150	B	150	100	150	25	100
G220-03-150-200	B	150	100	200	25	150



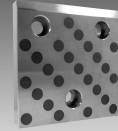
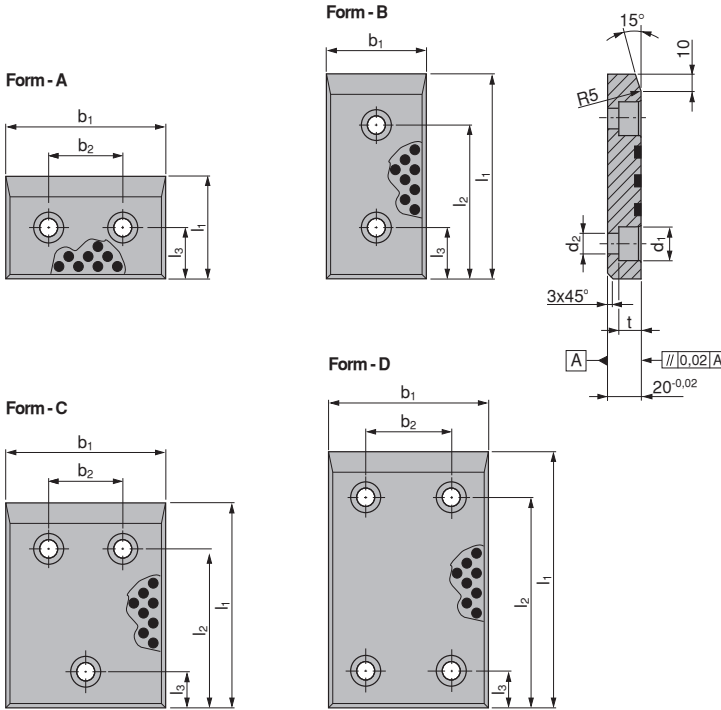
Material :
Bronze with Non-Liquid Lubricant
HB ≥ 190

Direction of Motion



GSB CODE:G222-01

Code	b ₁	d ₁ H13	d ₂ H13	l ₁ ±0,2	l ₂ ±0,2
G222-01-030-080	30	15	9	80	55
G222-01-030-100	30	15	9	100	75
G222-01-030-125	30	15	9	125	100
G222-01-030-160	30	15	9	160	135
G222-01-030-200	30	15	9	200	175
G222-01-040-080	40	15	9	80	55
G222-01-040-100	40	15	9	100	75
G222-01-040-125	40	15	9	125	100
G222-01-040-160	40	15	9	160	135
G222-01-040-200	40	15	9	200	175
G222-01-050-080	50	15	9	80	55
G222-01-050-100	50	15	9	100	75
G222-01-050-125	50	15	9	125	100
G222-01-050-160	50	15	9	160	135
G222-01-050-200	50	15	9	200	175
G222-01-060-080	60	15	9	80	55
G222-01-060-100	60	15	9	100	75
G222-01-060-125	60	15	9	125	100
G222-01-060-160	60	15	9	160	135
G222-01-060-200	60	15	9	200	175
G222-01-080-080	80	15	9	80	55
G222-01-080-100	80	15	9	100	75
G222-01-080-125	80	15	9	125	100
G222-01-080-160	80	15	9	160	135
G222-01-080-200	80	15	9	200	175



Material :
Bronze with Non-Liquid Lubricant
HB ≥ 190

Direction of Motion

GSB CODE:G224-01

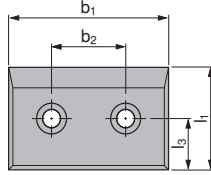
Code	Form	b ₁	b ₂	d ₁	d ₂	l ₁	l ₂	l ₃	t
		±0,2		H13	H13	±0,2	±0,2	±0,2	
G224-01-050-080	B	50	-	15	9	80	55	25	9
G224-01-050-100	B	50	-	20	13,5	100	75	25	13
G224-01-050-125	B	50	-	20	13,5	125	100	25	13
G224-01-050-160	B	50	-	20	13,5	160	135	25	13
G224-01-050-200	B	50	-	20	13,5	200	175	25	13
G224-01-080-050	A	80	30	15	9	50	-	25	9
G224-01-080-080	B	80	-	20	13,5	80	55	25	13
G224-01-080-100	B	80	-	20	13,5	100	75	25	13
G224-01-080-125	B	80	-	20	13,5	125	100	25	13
G224-01-080-160	B	80	-	20	13,5	160	135	25	13
G224-01-080-200	B	80	-	20	13,5	200	175	25	13
G224-01-080-250	B	80	-	20	13,5	250	210	40	13
G224-01-080-315	B	80	-	20	13,5	315	275	40	13
G224-01-100-050	A	100	50	20	13,5	50	-	25	13
G224-01-100-080	A	100	50	20	13,5	80	-	40	13
G224-01-100-100	B	100	-	20	13,5	100	75	25	13
G224-01-100-125	B	100	-	20	13,5	125	100	25	13
G224-01-100-160	B	100	-	20	13,5	160	135	25	13
G224-01-100-200	B	100	-	20	13,5	200	175	25	13
G224-01-100-250	B	100	-	20	13,5	250	210	40	13
G224-01-100-315	B	100	-	20	13,5	315	275	40	13

Code	Form	b ₁	b ₂	d ₁	d ₂	l ₁	l ₂	l ₃	t
		±0,2		H13	H13	±0,2	±0,2	±0,2	
G224-01-125-050	A	125	75	20	13,5	50	-	25	13
G224-01-125-080	A	125	75	20	13,5	80	-	40	13
G224-01-125-100	C	125	75	20	13,5	100	75	25	13
G224-01-125-125	C	125	75	20	13,5	125	100	25	13
G224-01-125-160	C	125	75	20	13,5	160	135	25	13
G224-01-125-200	C	125	75	20	13,5	200	175	25	13
G224-01-125-250	C	125	75	20	13,5	250	210	40	13
G224-01-125-315	C	125	75	20	13,5	315	275	40	13
G224-01-160-050	A	160	110	20	13,5	50	-	25	13
G224-01-160-080	A	160	110	20	13,5	80	-	40	13
G224-01-160-100	C	160	110	20	13,5	100	75	25	13
G224-01-160-125	C	160	110	20	13,5	125	100	25	13
G224-01-160-160	C	160	110	20	13,5	160	135	25	13
G224-01-160-200	C	160	110	20	13,5	200	175	25	13
G224-01-160-250	D	160	110	20	13,5	250	210	40	13
G224-01-160-315	D	160	110	20	13,5	315	275	40	13
G224-01-160-2501	C	160	110	20	13,5	250	210	40	13
G224-01-160-3151	C	160	110	20	13,5	315	275	40	13

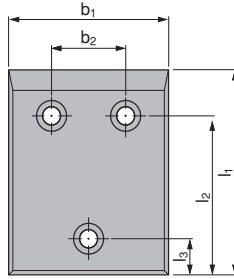


Material :
16MnCr5
HRC 60 ÷ 64

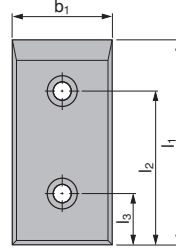
Form - A



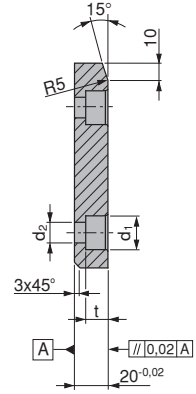
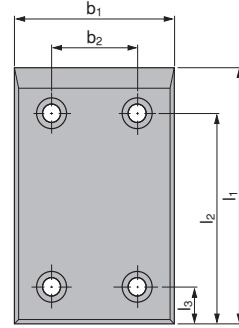
Form - C



Form - B



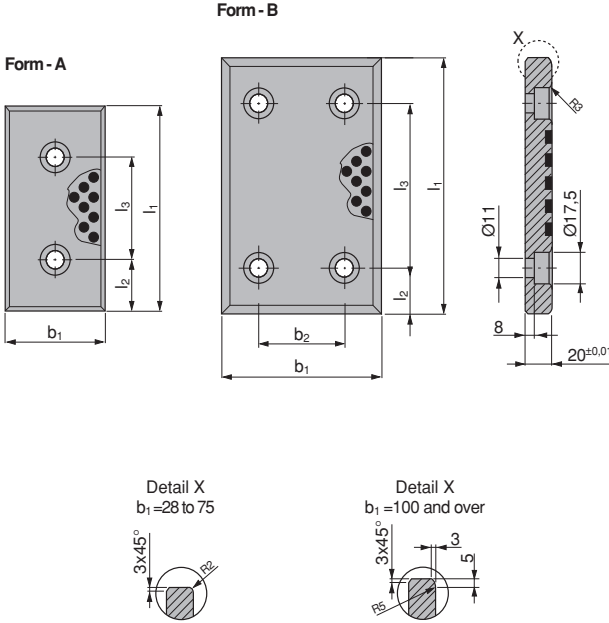
Form - D



GSB CODE:G225-01

Code	Form	b ₁	b ₂	d ₁	d ₂	l ₁	l ₂	l ₃	t
			±0,2	H13	H13	±0,2	±0,2	±0,2	
G225-01-050-080	B	50	-	15	9	80	55	25	9
G225-01-050-100	B	50	-	20	13,5	100	75	25	13
G225-01-050-125	B	50	-	20	13,5	125	100	25	13
G225-01-050-160	B	50	-	20	13,5	160	135	25	13
G225-01-050-200	B	50	-	20	13,5	200	175	25	13
G225-01-080-050	A	80	30	15	9	50	-	25	9
G225-01-080-080	B	80	-	20	13,5	80	55	25	13
G225-01-080-100	B	80	-	20	13,5	100	75	25	13
G225-01-080-125	B	80	-	20	13,5	125	100	25	13
G225-01-080-160	B	80	-	20	13,5	160	135	25	13
G225-01-080-200	B	80	-	20	13,5	200	175	25	13
G225-01-080-250	B	80	-	20	13,5	250	210	40	13
G225-01-080-315	B	80	-	20	13,5	315	275	40	13
G225-01-100-050	A	100	50	20	13,5	50	-	25	13
G225-01-100-080	A	100	50	20	13,5	80	-	40	13
G225-01-100-100	B	100	-	20	13,5	100	75	25	13
G225-01-100-125	B	100	-	20	13,5	125	100	25	13
G225-01-100-160	B	100	-	20	13,5	160	135	25	13
G225-01-100-200	B	100	-	20	13,5	200	175	25	13
G225-01-100-250	B	100	-	20	13,5	250	210	40	13
G225-01-100-315	B	100	-	20	13,5	315	275	40	13

Code	Form	b ₁	b ₂	d ₁	d ₂	l ₁	l ₂	l ₃	t
			±0,2	H13	H13	±0,2	±0,2	±0,2	
G225-01-125-050	A	125	75	20	13,5	50	-	25	13
G225-01-125-080	A	125	75	20	13,5	80	-	40	13
G225-01-125-100	C	125	75	20	13,5	100	75	25	13
G225-01-125-125	C	125	75	20	13,5	125	100	25	13
G225-01-125-160	C	125	75	20	13,5	160	135	25	13
G225-01-125-200	C	125	75	20	13,5	200	175	25	13
G225-01-125-250	C	125	75	20	13,5	250	210	40	13
G225-01-125-315	C	125	75	20	13,5	315	275	40	13
G225-01-160-050	A	160	110	20	13,5	50	-	25	13
G225-01-160-080	A	160	110	20	13,5	80	-	40	13
G225-01-160-100	C	160	110	20	13,5	100	75	25	13
G225-01-160-125	C	160	110	20	13,5	125	100	25	13
G225-01-160-160	C	160	110	20	13,5	160	135	25	13
G225-01-160-200	C	160	110	20	13,5	200	175	25	13
G225-01-160-250	D	160	110	20	13,5	250	210	40	13
G225-01-160-315	D	160	110	20	13,5	315	275	40	13
G225-01-160-2501	C	160	110	20	13,5	250	210	40	13
G225-01-160-3151	C	160	110	20	13,5	315	275	40	13



Material :
Bronze with Non-Liquid Lubricant
HB $\geq$ 190



GSB CODE:G224-02

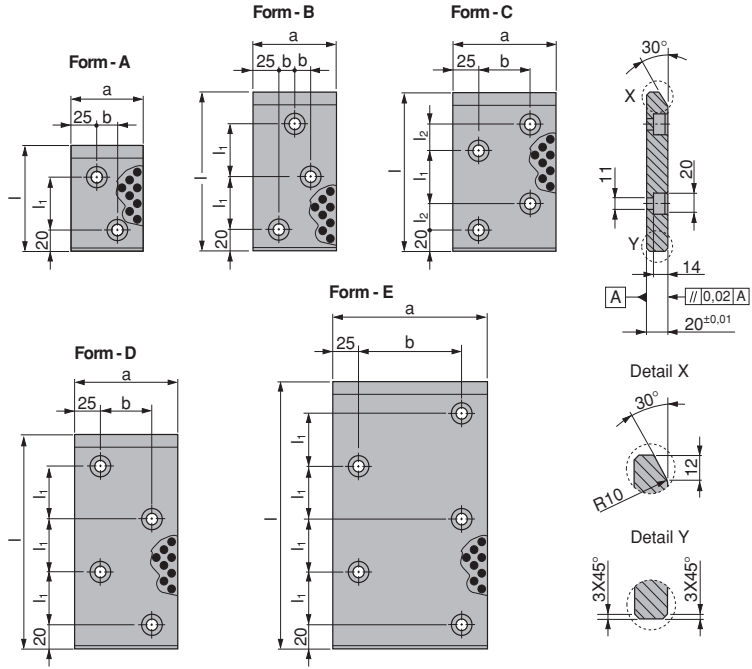
Code	Form	b_1 -0,1 / -0,3	b_2 -0,1 / -0,3	l_1 -0,1 / -0,3	l_2 ±0,2	l_3 ±0,2
G224-02-028-075	A	28	-	75	15	45
G224-02-028-100	A	28	-	100	25	50
G224-02-028-150	A	28	-	150	25	100
G224-02-038-075	A	38	-	75	15	45
G224-02-038-100	A	38	-	100	25	50
G224-02-038-150	A	38	-	150	25	100
G224-02-038-200	A	38	-	200	25	150
G224-02-048-075	A	48	-	75	15	45
G224-02-048-100	A	48	-	100	25	50
G224-02-048-125	A	48	-	125	25	75
G224-02-048-150	A	48	-	150	25	100
G224-02-048-200	A	48	-	200	25	150
G224-02-058-075	A	58	-	75	15	45
G224-02-058-100	A	58	-	100	25	50
G224-02-058-150	A	58	-	150	25	100
G224-02-075-075	A	75	-	75	15	45
G224-02-075-100	A	75	-	100	25	50
G224-02-075-125	A	75	-	125	25	75
G224-02-075-150	A	75	-	150	25	100
G224-02-075-200	A	75	-	200	25	150

Code	Form	b_1 -0,1 / -0,3	b_2 -0,1 / -0,3	l_1 -0,1 / -0,3	l_2 ±0,2	l_3 ±0,2
G224-02-100-100	B	100	50	100	25	50
G224-02-100-125	B	100	50	125	25	75
G224-02-100-150	B	100	50	150	25	100
G224-02-100-200	B	100	50	200	25	150
G224-02-100-250	B	100	50	250	25	200
G224-02-100-300	B	100	50	300	25	250
G224-02-125-125	B	125	50	125	25	75
G224-02-125-150	B	125	50	150	25	100
G224-02-125-200	B	125	50	200	25	150
G224-02-125-250	B	125	50	250	25	200
G224-02-125-300	B	125	50	300	25	250
G224-02-125-350	B	125	50	350	25	300
G224-02-150-150	B	150	100	150	25	100
G224-02-150-200	B	150	100	200	25	150
G224-02-150-250	B	150	100	250	25	200
G224-02-150-300	B	150	100	300	25	250
G224-02-150-350	B	150	100	350	25	300
G224-02-200-200	B	200	150	200	25	150
G224-02-200-250	B	200	150	250	25	200
G224-02-200-300	B	200	150	300	25	250
G224-02-200-350	B	200	150	350	25	300



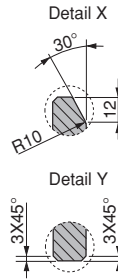
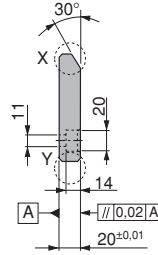
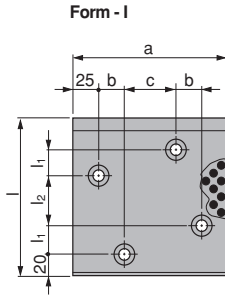
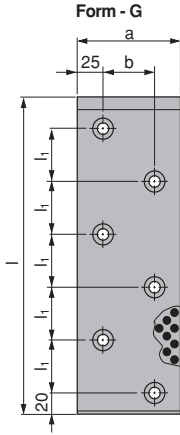
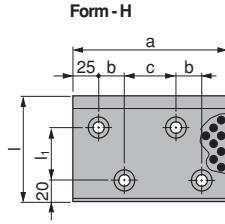
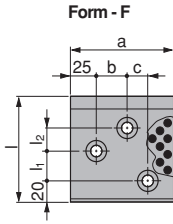
Material :
Bronze with Non-Liquid Lubricant
HB ≥ 190

Direction of Motion



GSB CODE:G224-08

Code	Form	a -2	b ±0,1	l ±0,1	l ₁ ±0,1	l ₂ ±0,1
G224-08-070-100	A	70	20	100	50	-
G224-08-070-150	B	70	10	150	50	-
G224-08-070-200	D	70	20	200	50	-
G224-08-100-150	C	100	50	150	50	25
G224-08-100-200	D	100	50	200	50	-
G224-08-100-250	E	100	50	250	50	-
G224-08-150-200	D	150	100	200	50	-
G224-08-150-250	E	150	100	250	50	-



Material :
Bronze with Non-Liquid Lubricant
HB ≥ 190

Direction of Motion

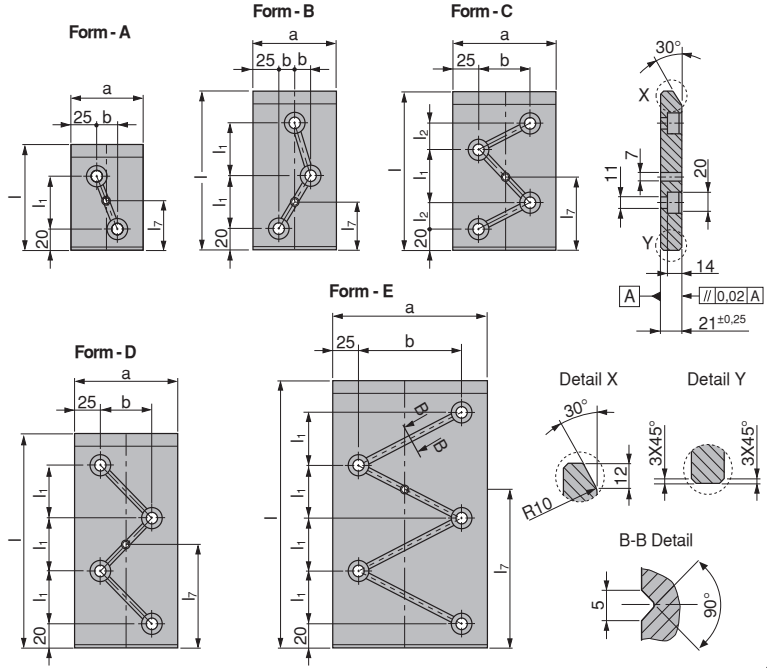


GSB CODE:G224-08

Code	Form	a ~2	b ±0,1	c ±0,1	l ±0,1	l ₁ ±0,1	l ₂ ±0,1
G224-08-100-100	F	100	30	20	100	25	25
G224-08-100-300	G	100	50	-	300	50	-
G224-08-150-100	H	150	25	50	100	50	-
G224-08-150-150	I	150	25	50	150	25	50
G224-08-150-300	G	150	100	-	300	50	-
G224-08-200-100	H	200	50	50	100	50	-



Material :
18NiCr5-4
HRC 60 ÷ 64

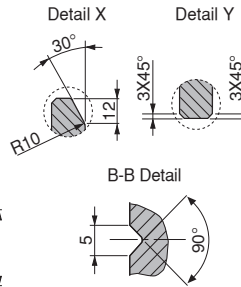
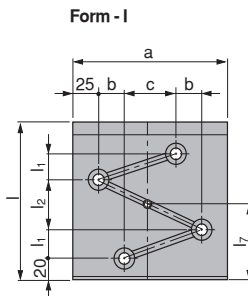
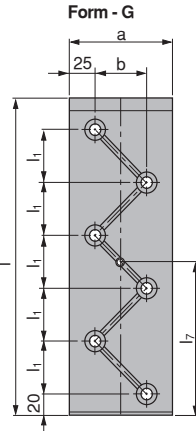
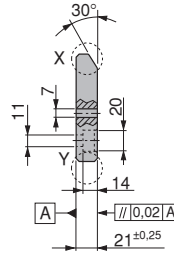
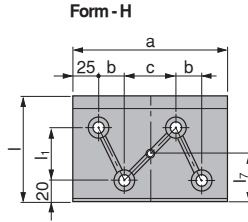
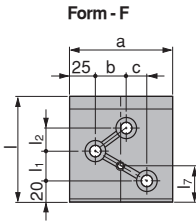


GSB CODE:G225-07

Code	Form	a ~2	b ±0,1	l ±0,1	l ₁ ±0,1	l ₂ ±0,1	l ₇
G225-07-070-100	A	70	20	100	50	-	45
G225-07-070-150	B	70	10	150	50	-	45
G225-07-070-200	D	70	20	200	50	-	95
G225-07-100-150	C	100	50	150	50	25	70
G225-07-100-200	D	100	50	200	50	-	95
G225-07-100-250	E	100	50	250	50	-	145
G225-07-150-200	D	150	100	200	50	-	95
G225-07-150-250	E	150	100	250	50	-	145

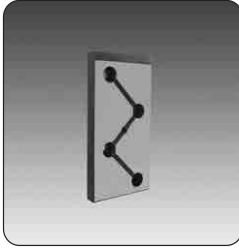


Material :
18NiCr5-4
HRC 60 ÷ 64

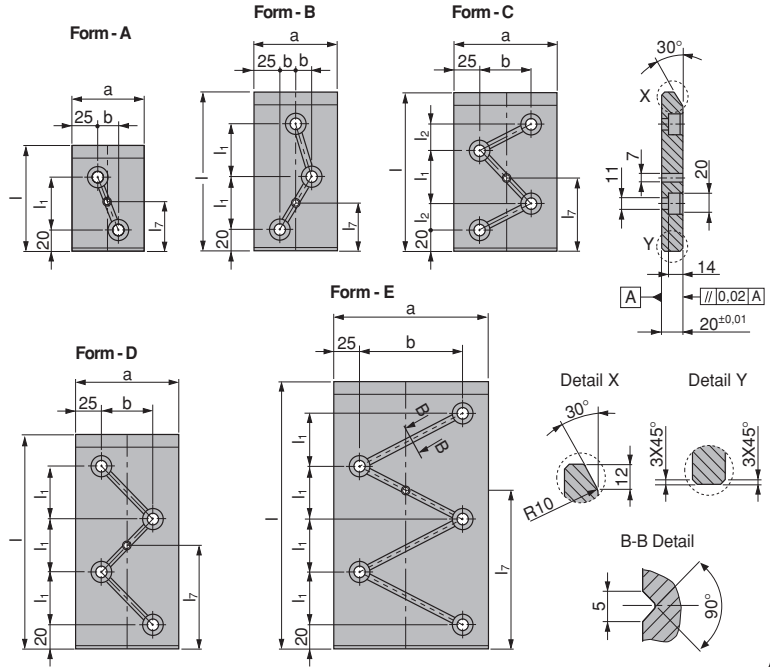


GSB CODE:G225-07

Code	Form	a	b	c	l	l ₁	l ₂	l ₇
		-2	±0,1	±0,1	±0,1	±0,1	±0,1	
G225-07-100-100	F	100	30	20	100	25	25	32,5
G225-07-100-300	G	100	50	-	300	50	-	145
G225-07-150-100	H	150	25	50	100	50	-	45
G225-07-150-150	I	150	25	50	150	25	50	70
G225-07-150-300	G	150	100	-	300	50	-	145
G225-07-200-100	H	200	50	50	100	50	-	45

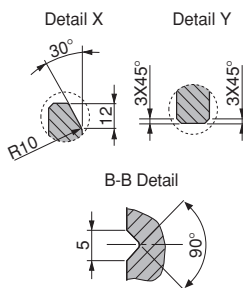
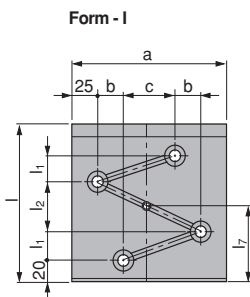
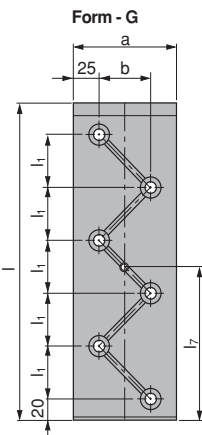
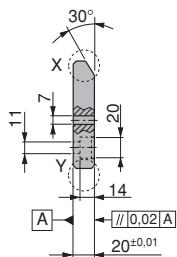
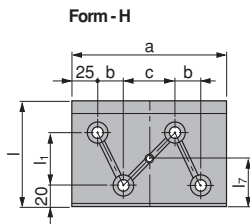
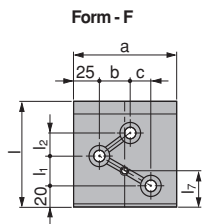


Material :
18NiCr5-4
HRC 60 ÷ 64



GSB CODE:G225-07

Code	Form	a ±2	b ±0,1	l ±0,1	l ₁ ±0,1	l ₂ ±0,1	l ₇
G225-07-070-1001	A	70	20	100	50	-	45
G225-07-070-1501	B	70	10	150	50	-	45
G225-07-070-2001	D	70	20	200	50	-	95
G225-07-100-1501	C	100	50	150	50	25	70
G225-07-100-2001	D	100	50	200	50	-	95
G225-07-100-2501	E	100	50	250	50	-	145
G225-07-150-2001	D	150	100	200	50	-	95
G225-07-150-2501	E	150	100	250	50	-	145



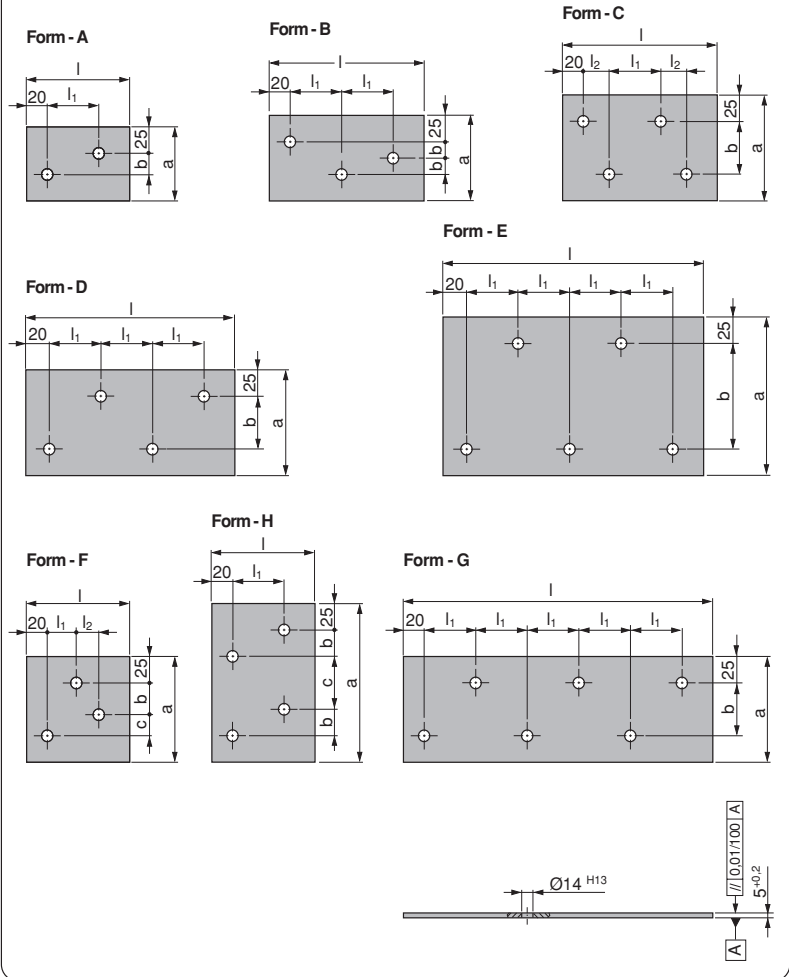
Material :
18NiCr5-4
HRC 60 ÷ 64

GSB CODE:G225-07

Code	Form	a	b	c	l	l ₁	l ₂	l ₇
		-2	±0,1	±0,1	±0,1	±0,1	±0,1	
G225-07-100-1001	F	100	30	20	100	25	25	32,5
G225-07-100-3001	G	100	50	-	300	50	-	145
G225-07-150-1001	H	150	25	50	100	50	-	45
G225-07-150-1501	I	150	25	50	150	25	50	70
G225-07-150-3001	G	150	100	-	300	50	-	145
G225-07-200-1001	H	200	50	50	100	50	-	45

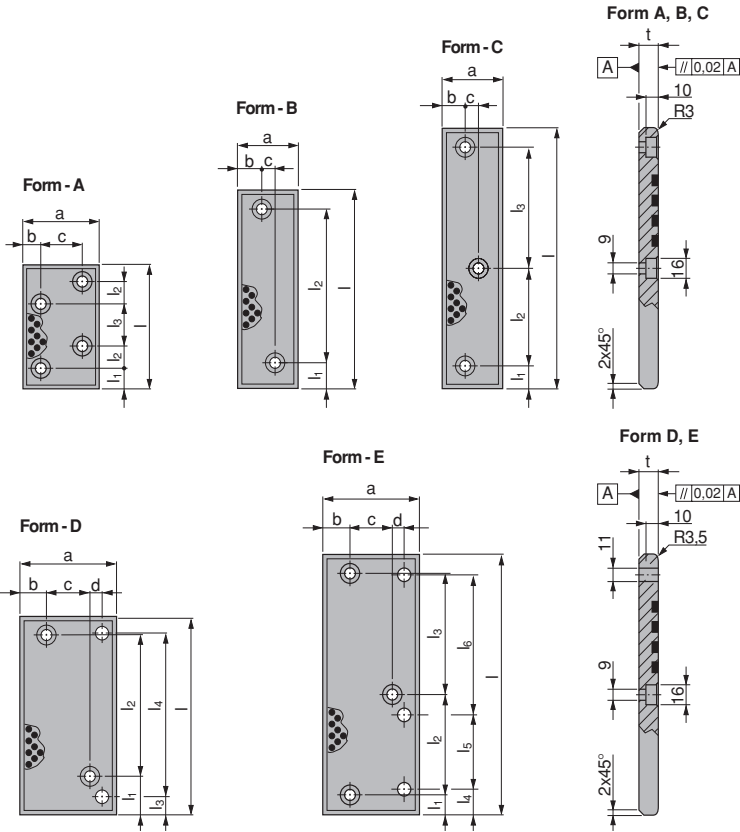


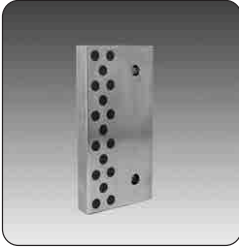
Material :
ST 37



GSB CODE:G234-01

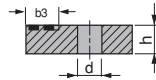
Code	Form	a	b	c	l	l ₁	l ₂
		-2	±0,1	±0,1	±0,1	±0,1	±0,1
G234-01-070-100	A	70	20	-	100	50	-
G234-01-070-150	B	70	10	-	150	50	-
G234-01-070-200	D	70	20	-	200	50	-
G234-01-100-100	F	100	30	20	100	25	25
G234-01-100-150	C	100	50	-	150	50	25
G234-01-100-200	D	100	50	-	200	50	-
G234-01-100-250	E	100	50	-	250	50	-
G234-01-100-300	G	100	50	-	300	50	-
G234-01-150-100	H	150	25	50	100	50	-
G234-01-150-150	I	150	25	50	150	25	50
G234-01-150-200	D	150	100	-	200	50	-
G234-01-150-250	E	150	100	-	250	50	-
G234-01-150-300	G	150	100	-	300	50	-
G234-01-200-100	H	200	50	50	100	50	-



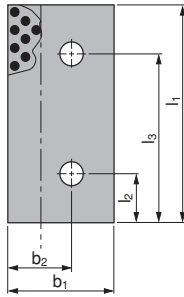


Material :
Bronze with Non-Liquid Lubricant
HB ≥ 190

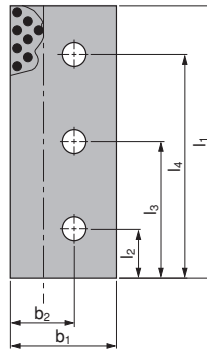
Direction of Motion



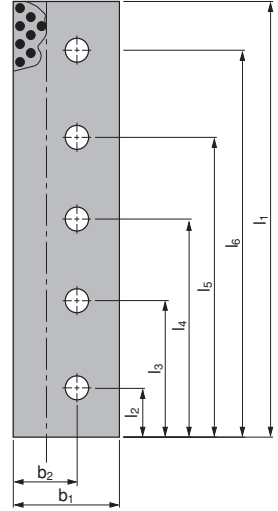
Form - A



Form - B

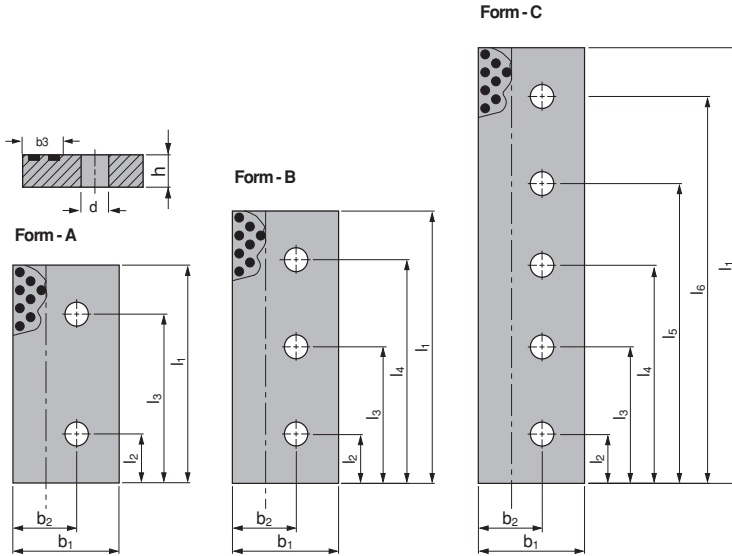


Form - C



GSB CODE:G224-11

Code	Form	b ₁	b ₂	b ₃	d H13	h	l ₁	l ₂ ±0,2	l ₃ ±0,2	l ₄ ±0,2	l ₅ ±0,2	l ₆ ±0,2
G224-11-075-160	A	75	40	25	17,5	25	160	45	115	-	-	-
G224-11-075-200	A	75	40	25	17,5	25	200	45	155	-	-	-
G224-11-075-250	B	75	40	25	17,5	25	250	45	125	205	-	-
G224-11-100-160	A	100	60	30	17,5	25	160	45	115	-	-	-
G224-11-100-200	A	100	60	30	17,5	25	200	45	155	-	-	-
G224-11-100-250	B	100	60	30	17,5	25	250	45	125	205	-	-
G224-11-100-400	C	100	60	30	17,5	25	400	45	125	200	275	355
G224-11-100-1601	A	100	60	30	22	30	160	45	115	-	-	-
G224-11-100-2001	A	100	60	30	22	30	200	45	155	-	-	-
G224-11-100-2501	B	100	60	30	22	30	250	45	125	205	-	-
G224-11-100-4001	C	100	60	30	22	30	400	45	125	200	275	355
G224-11-125-160	A	125	75	30	22	30	160	45	115	-	-	-
G224-11-125-200	A	125	75	30	22	30	200	45	155	-	-	-
G224-11-125-250	B	125	75	30	22	30	250	45	125	205	-	-
G224-11-125-400	C	125	75	30	22	30	400	45	125	200	275	355



Material :
CK45 with Non-liquid Lubricant
HRC 58 ÷ 62

Direction of Motion

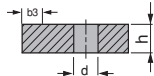


GSB CODE:G225-08

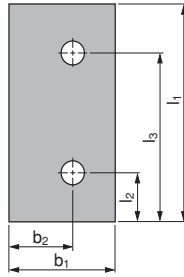
Code	Form	b ₁	b ₂	b ₃	d H13	h	l ₁	l ₂ ±0,2	l ₃ ±0,2	l ₄ ±0,2	l ₅ ±0,2	l ₆ ±0,2
G225-08-075-160	A	75	40	25	17,5	25	160	45	115	-	-	-
G225-08-075-200	A	75	40	25	17,5	25	200	45	155	-	-	-
G225-08-075-250	B	75	40	25	17,5	25	250	45	125	205	-	-
G225-08-100-160	A	100	60	30	17,5	25	160	45	115	-	-	-
G225-08-100-200	A	100	60	30	17,5	25	200	45	155	-	-	-
G225-08-100-250	B	100	60	30	17,5	25	250	45	125	205	-	-
G225-08-100-400	C	100	60	30	17,5	25	400	45	125	200	275	355
G225-08-100-1601	A	100	60	30	22	30	160	45	115	-	-	-
G225-08-100-2001	A	100	60	30	22	30	200	45	155	-	-	-
G225-08-100-2501	B	100	60	30	22	30	250	45	125	205	-	-
G225-08-100-4001	C	100	60	30	22	30	400	45	125	200	275	355
G225-08-125-160	A	125	75	30	22	30	160	45	115	-	-	-
G225-08-125-200	A	125	75	30	22	30	200	45	155	-	-	-
G225-08-125-250	B	125	75	30	22	30	250	45	125	205	-	-
G225-08-125-400	C	125	75	30	22	30	400	45	125	200	275	355



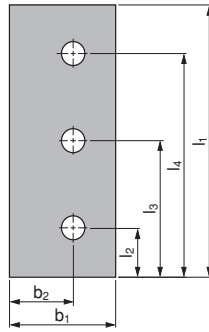
Material :
CK45
HRC 58 ÷ 62



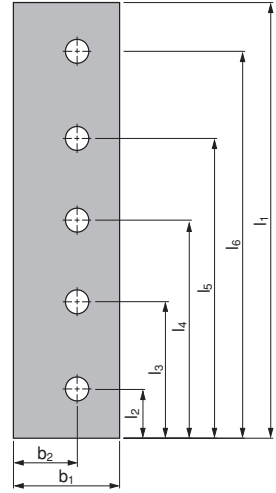
Form - A



Form - B

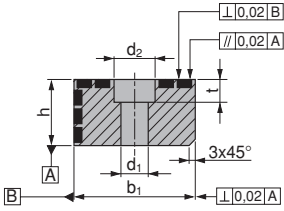


Form - C

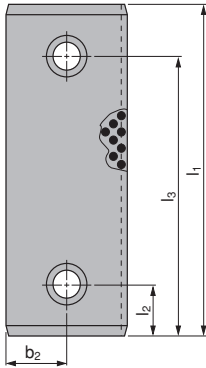


GSB CODE:G225-09

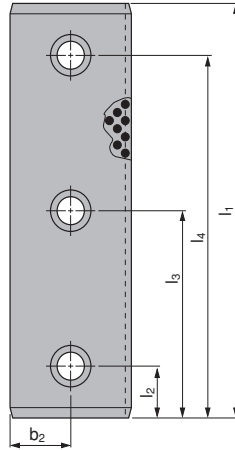
Code	Form	b ₁	b ₂	b ₃	d H13	h	l ₁	l ₂ ±0,2	l ₃ ±0,2	l ₄ ±0,2	l ₅ ±0,2	l ₆ ±0,2
G225-09-075-160	A	75	40	25	17,5	25	160	45	115	-	-	-
G225-09-075-200	A	75	40	25	17,5	25	200	45	155	-	-	-
G225-09-075-250	B	75	40	25	17,5	25	250	45	125	205	-	-
G225-09-100-160	A	100	60	30	17,5	25	160	45	115	-	-	-
G225-09-100-200	A	100	60	30	17,5	25	200	45	155	-	-	-
G225-09-100-250	B	100	60	30	17,5	25	250	45	125	205	-	-
G225-09-100-400	C	100	60	30	17,5	25	400	45	125	200	275	355
G225-09-100-1601	A	100	60	30	22	30	160	45	115	-	-	-
G225-09-100-2001	A	100	60	30	22	30	200	45	155	-	-	-
G225-09-100-2501	B	100	60	30	22	30	250	45	125	205	-	-
G225-09-100-4001	C	100	60	30	22	30	400	45	125	200	275	355
G225-09-125-160	A	125	75	30	22	30	160	45	115	-	-	-
G225-09-125-200	A	125	75	30	22	30	200	45	155	-	-	-
G225-09-125-250	B	125	75	30	22	30	250	45	125	205	-	-
G225-09-125-400	C	125	75	30	22	30	400	45	125	200	275	355



Form - A



Form - B



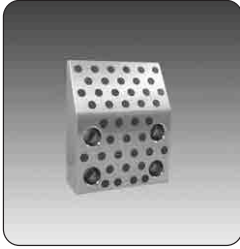
Material :
Bronze with Non-Liquid Lubricant
HB ≥ 190

Direction of Motion

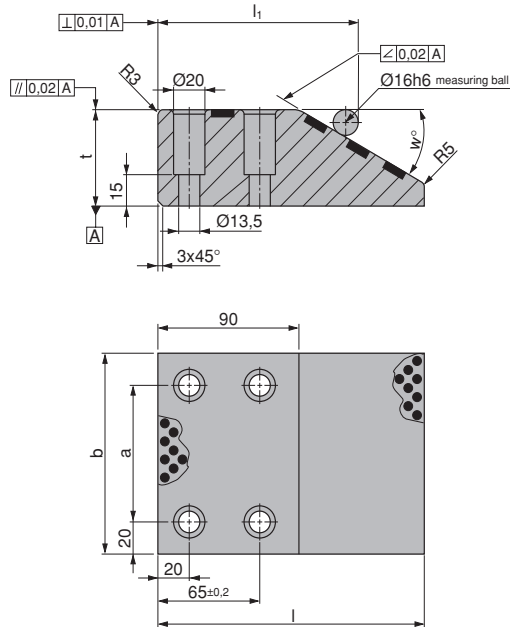


GSB CODE:G224-12

Code	Form	b_1 -0,02	b_2	d_1 H13	d_2 H13	h -0,02	l_1	l_2	l_3 $\pm 0,2$	l_4 $\pm 0,2$	t +0,5
G224-12-012-110	A	25	12,5	9	15	12	110	25	85	-	8,5
G224-12-012-120	A	25	12,5	9	15	12	120	25	95	-	8,5
G224-12-015-110	A	25	12,5	11	18	15	110	25	85	-	10,5
G224-12-015-120	A	25	12,5	11	18	15	120	25	95	-	10,5
G224-12-030-125	A	60	30	13,5	20	30	125	25	100	-	13
G224-12-030-160	A	60	30	13,5	20	30	160	25	135	-	13
G224-12-030-200	B	60	30	13,5	20	30	200	25	100	175	13
G224-12-040-125	A	60	30	13,5	20	40	125	25	100	-	13
G224-12-040-160	A	60	30	13,5	20	40	160	25	135	-	13
G224-12-040-200	B	60	30	13,5	20	40	200	25	100	175	13

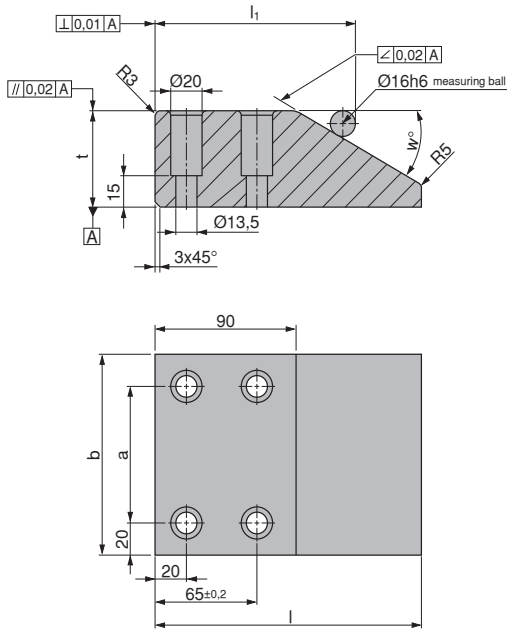


Material :
Bronze with Non-Liquid Lubricant
HB $\geq$ 190



GSB CODE:G228-01

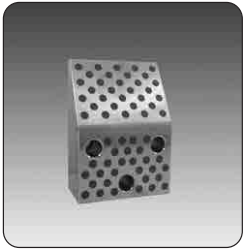
Code	a	b	l	l ₁ ±0,05	t ±0,01	w
G228-01-10017045	60	100	170	143,37	45	20°
G228-01-12517045	85	125	170	143,37	45	20°
G228-01-15017045	110	150	170	143,37	45	20°
G228-01-10015045	60	100	150	127,86	45	30°
G228-01-10017060	60	100	170	127,86	60	30°
G228-01-12515045	85	125	150	127,86	45	30°
G228-01-12517060	85	125	170	127,86	60	30°
G228-01-15015045	110	150	150	127,86	45	30°
G228-01-15017060	110	150	170	127,86	60	30°



Material :
X153CrMoV12
HRC 60 ÷ 62

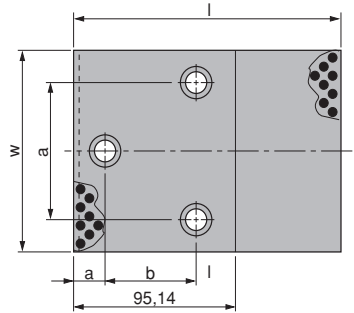
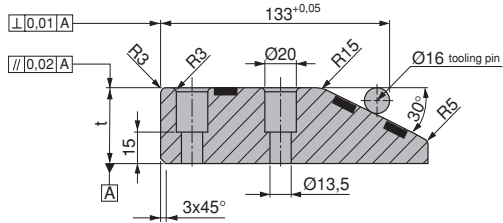
GSB CODE:G229-01

Code	a	b	l	l ₁ ±0,05	t ±0,01	w
G229-01-10017045	60	100	170	143,37	45	20°
G229-01-12517045	85	125	170	143,37	45	20°
G229-01-15017045	110	150	170	143,37	45	20°
G229-01-10015045	60	100	150	127,86	45	30°
G229-01-10017060	60	100	170	127,86	60	30°
G229-01-12515045	85	125	150	127,86	45	30°
G229-01-12517060	85	125	170	127,86	60	30°
G229-01-15015045	110	150	150	127,86	45	30°
G229-01-15017060	110	150	170	127,86	60	30°



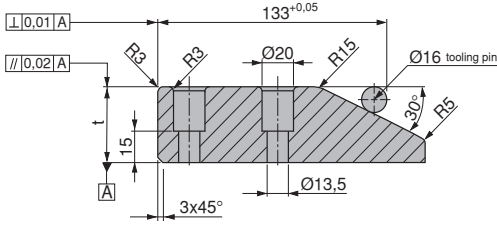
Material :
Bronze with Non-Liquid Lubricant
HB ≥ 190

Direction of Motion ← ● →



GSB CODE:G228-04

Code	t	w	l	a	b
G228-04-10012530	30	100	125	60	50
G228-04-10015045	45	100	150	60	45
G228-04-10017060	60	100	170	60	45
G228-04-12512530	30	125	125	85	50
G228-04-12515045	45	125	150	85	45
G228-04-12517060	60	125	170	85	45
G228-04-16012530	30	160	125	120	50
G228-04-16015045	45	160	150	120	45
G228-04-16017060	60	160	170	120	45



Material :
42CrMo4
HRC 55 ÷ 60

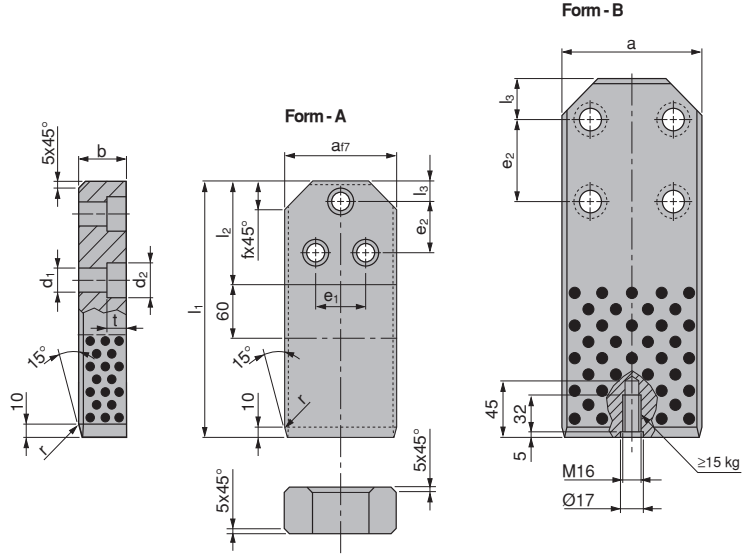
GSB CODE:G229-03

Code	t	w	l	a	b
G229-03-10012530	30	100	125	60	50
G229-03-10015045	45	100	150	60	45
G229-03-10017060	60	100	170	60	45
G229-03-12512530	30	125	125	85	50
G229-03-12515045	45	125	150	85	45
G229-03-12517060	60	125	170	85	45
G229-03-16012530	30	160	125	120	50
G229-03-16015045	45	160	150	120	45
G229-03-16017060	60	160	170	120	45



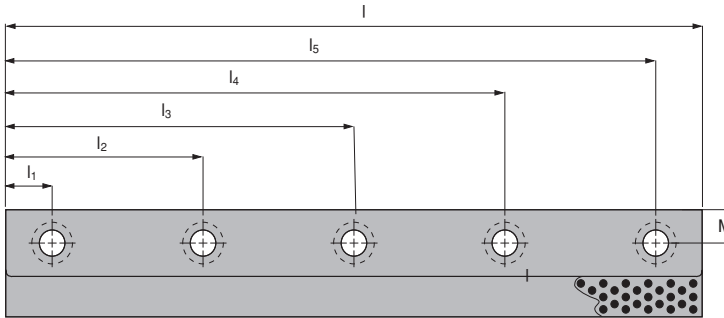
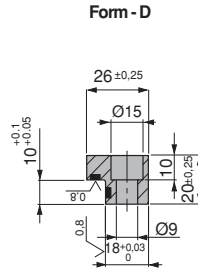
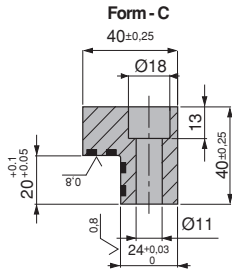
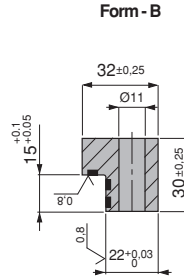
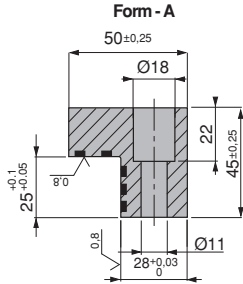
Material :
CK45 with Non-liquid Lubricant
HRC 58 ÷ 60

Direction of Motion



GSB CODE:G229-05

Code	a	b	l ₁	l ₂	l ₃	e ₂	d ₁	d ₂	t	f	r	Form
G229-05-06318036	63	36	180	90	20	50	14	20	16	18	16	A
G229-05-06320036	63	36	200	90	20	50	14	20	16	18	16	A
G229-05-06322436	63	36	224	90	20	50	14	20	16	18	16	A
G229-05-07118036	71	36	180	90	20	50	14	20	16	18	16	A
G229-05-07120036	71	36	200	90	20	50	14	20	16	18	16	A
G229-05-07122436	71	36	224	90	20	50	14	20	16	18	16	A
G229-05-09020036	90	36	200	100	20	50	18	26	21	28	25	A
G229-05-09022436	90	36	224	100	20	50	18	26	21	28	25	A
G229-05-09025036	90	36	250	100	20	50	18	26	21	28	25	A
G229-05-09020045	90	45	200	100	20	50	18	26	21	28	25	A
G229-05-09022445	90	45	224	100	20	50	18	26	21	28	25	A
G229-05-09025045	90	45	250	100	20	50	18	26	21	28	25	A
G229-05-11220045	112	45	200	100	20	50	18	26	21	28	25	A
G229-05-11222445	112	45	224	100	20	50	18	26	21	28	25	A
G229-05-11225045	112	45	250	100	20	50	18	26	21	28	25	A
G229-05-14031545	140	45	315	150	40	80	22	33	25,5	36	31,5	B
G229-05-14040045	140	45	400	150	40	80	22	33	25,5	36	31,5	B
G229-05-14031556	140	56	315	150	40	80	22	33	25,5	36	31,5	B
G229-05-14040056	140	56	400	150	40	80	22	33	25,5	36	31,5	B
G229-05-19031545	190	45	315	150	40	80	22	33	25,5	36	31,5	B
G229-05-19040045	190	45	400	150	40	80	22	33	25,5	36	31,5	B
G229-05-19031556	190	56	315	150	40	80	22	33	25,5	36	31,5	B
G229-05-19040056	190	56	400	150	40	80	22	33	25,5	36	31,5	B
G229-05-24050056	240	56	500	250	40	160	26	40	30,5	36	31,5	B
G229-05-24063056	240	56	630	250	40	160	26	40	30,5	36	31,5	B



Material :
Bronze with Non-Liquid Lubricant
HB ≥ 190

Direction of Motion ← ● →

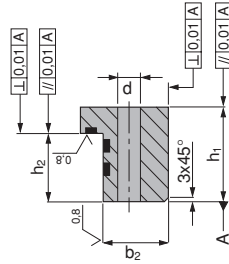
GSB CODE:G231-01

Code	Form	l	l ₁	l ₂	l ₃	l ₄	l ₅	M	Holes
G231-01-2026100	D	100	20	80	-	-	-	9	2
G231-01-2026150	D	150	20	75	130	-	-	9	3
G231-01-2026200	D	200	20	75	125	180	-	9	4
G231-01-3032100	B	100	20	80	-	-	-	11	2
G231-01-3032150	B	150	20	75	130	-	-	11	3
G231-01-3032200	B	200	20	75	125	180	-	11	4
G231-01-3032250	B	250	20	90	160	230	-	11	4
G231-01-4040160	C	160	15	145	-	-	-	12	2
G231-01-4040250	C	250	15	145	225	-	-	12	3
G231-01-4550200	A	200	20	75	125	180	-	14	4
G231-01-4550250	A	250	20	90	160	230	-	14	4
G231-01-4550300	A	300	20	85	150	215	280	14	5
G231-01-4550350	A	350	20	100	175	250	330	14	5

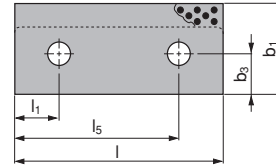


Material :
Bronze with Non-Liquid Lubricant
HB ≥ 190

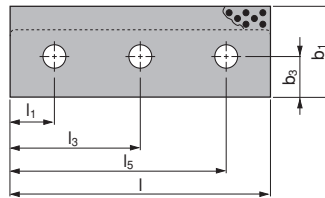
Direction of Motion →



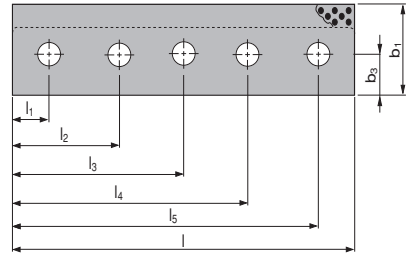
Form - A



Form - B

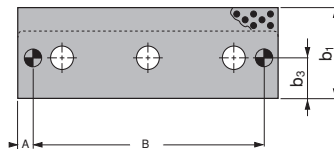


Form - C

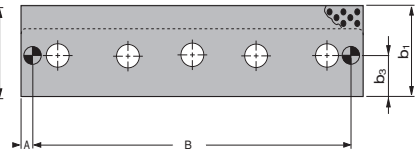


Dowel Holes Location on Request

Form - B



Form - C



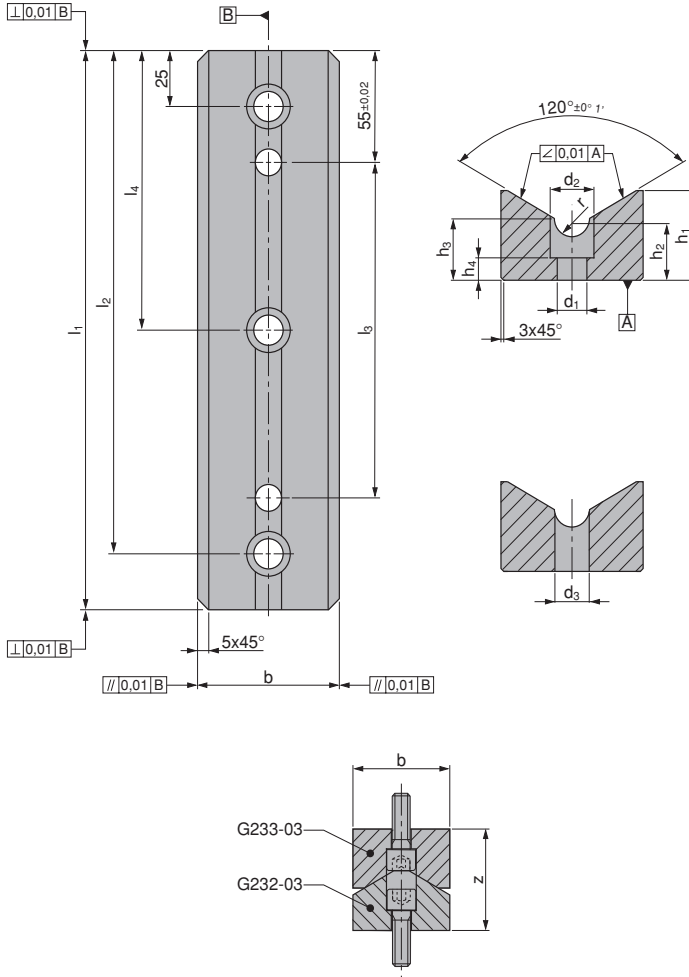
Ordering Example

G231-04-5555100X

D= With Dowel Holes
Blank= Without Dowel Holes

GSB CODE:G231-04

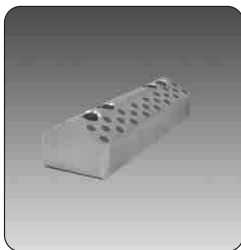
Code	Form	b ₁ ±0,2	b ₂ -0,02	b ₃ ±0,2	d H13	l -0,2	l ₁ ±0,2	l ₂ ±0,2	l ₃ ±0,2	l ₄ ±0,2	l ₅ ±0,2	h ₁ ±0,2	h ₂ +0,02	A	B +0,02
G231-04-5555100	A	55	37	20	13,5	100	27,5	-	-	-	72,5	55	39	10	80
G231-04-5555160	A	55	37	20	13,5	160	27,5	-	-	-	132,5	55	39	10	140
G231-04-7075160	A	70	50	30	17,5	160	35	-	-	-	125	75	55	12,5	135
G231-04-7075200	A	70	50	30	17,5	200	35	-	-	-	165	75	55	12,5	175
G231-04-7075250	B	70	50	30	17,5	250	35	-	125	-	215	75	55	12,5	225
G231-04-7075400	C	70	50	30	17,5	400	35	125	200	275	365	75	55	12,5	375
G231-04-8590160	A	85	63	38	22	160	42,5	-	-	-	117,5	90	65	15	130
G231-04-8590200	A	85	63	38	22	200	42,5	-	-	-	157,5	90	65	15	170
G231-04-8590250	B	85	63	38	22	250	42,5	-	125	-	207,5	90	65	15	220
G231-04-8590400	C	85	63	38	22	400	42,5	125	200	275	357,5	90	65	15	370



Material :
CK45
HRC 56 ÷ 60

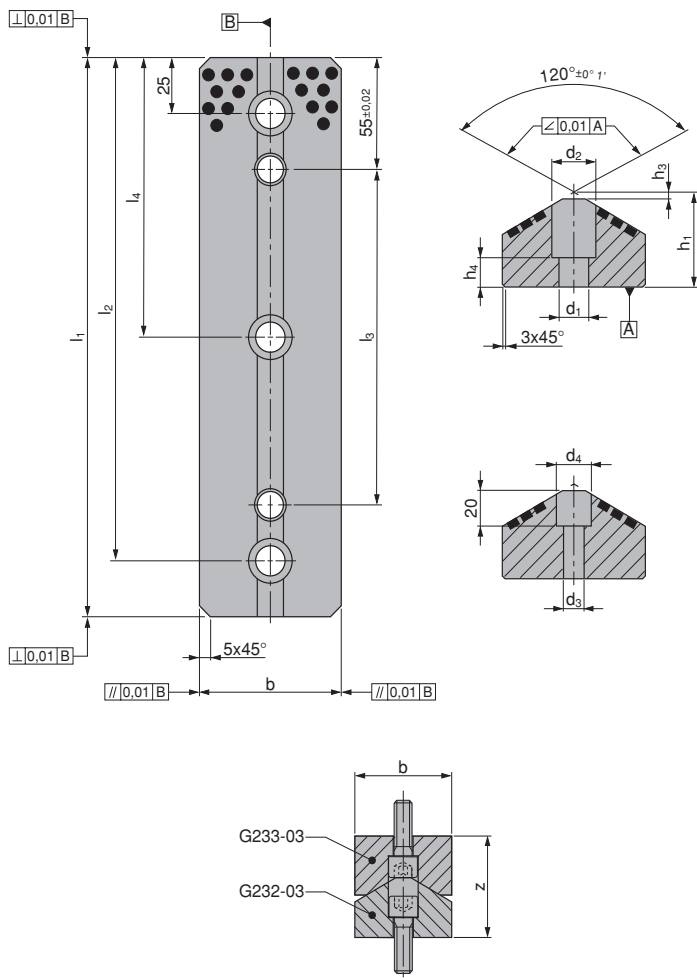
GSB CODE:G233-03

Code	b	d ₁	d ₂	d ₃	h ₁	h ₂	h ₃	h ₄	l ₁	l ₂	l ₃	l ₄	r	z
	h6	H13	H13	H7	±0,2	±0,01	±0,2		-0,2	±0,2	±0,01	±0,2		+0,05
G233-03-0650150	65	13,5	20	12	35	18	22	8	150	125	45	-	7	65
G233-03-0650200	65	13,5	20	12	35	18	22	8	200	175	95	-	7	65
G233-03-0650250	65	13,5	20	12	35	18	22	8	250	225	145	125	7	65
G233-03-0650300	65	13,5	20	12	35	18	22	8	300	275	195	150	7	65
G233-03-1250150	125	17,5	26	16	60	28	34	15	150	125	45	-	10	85
G233-03-1250200	125	17,5	26	16	60	28	34	15	200	175	95	-	10	85
G233-03-1250250	125	17,5	26	16	60	28	34	15	250	225	145	125	10	85
G233-03-1250300	125	17,5	26	16	60	28	34	15	300	275	195	150	10	85



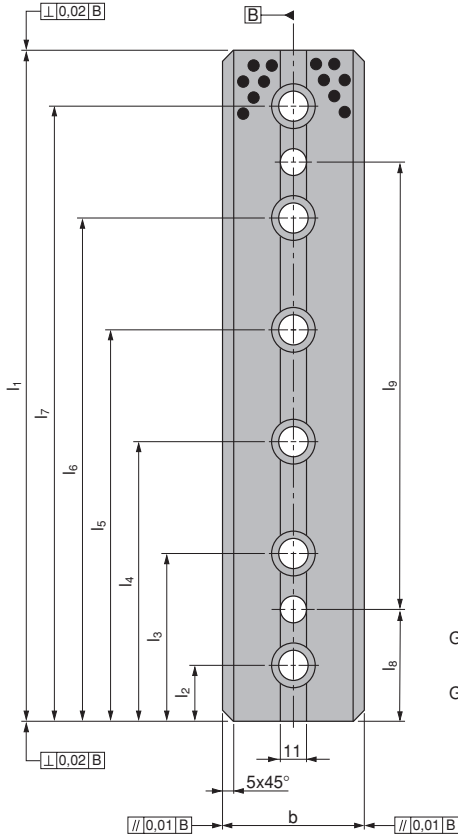
Material :
Bronze with Non-Liquid Lubricant
HB $\geq$ 190

Direction of Motion



GSB CODE:G232-03

Code	b	d ₁	d ₂	d ₃	d ₄	h ₁	h ₃	h ₄	l ₁	l ₂	l ₃	l ₄	z
	h6	H13	H13	H7	H13	±0,01			-0,2	±0,2	±0,01	±0,2	+0,05
G232-03-0650150	65	13,5	20	12	14	47	3	20	150	125	45	-	65
G232-03-0650200	65	13,5	20	12	14	47	3	20	200	175	95	-	65
G232-03-0650250	65	13,5	20	12	14	47	3	20	250	225	145	125	65
G232-03-0650300	65	13,5	20	12	14	47	3	20	300	275	195	150	65
G232-03-1250150	125	17,5	26	16	18	57	5	15	150	125	45	-	85
G232-03-1250200	125	17,5	26	16	18	57	5	15	200	175	95	-	85
G232-03-1250250	125	17,5	26	16	18	57	5	15	250	225	145	125	85
G232-03-1250300	125	17,5	26	16	18	57	5	15	300	275	195	150	85



Material :
Bronze with Non-Liquid Lubricant
HB ≥ 190

Direction of Motion

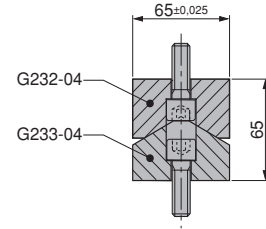
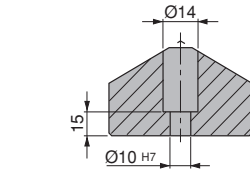
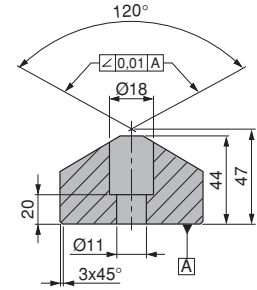
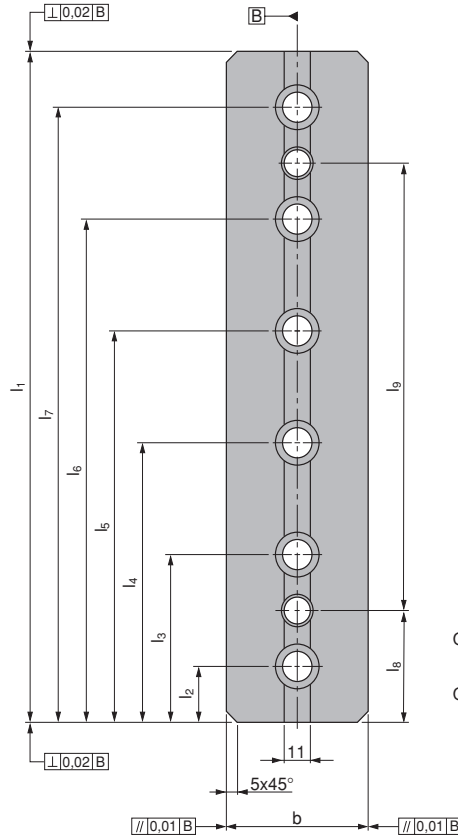


GSB CODE:G232-04

Code	b ±0,025	l ₁	l ₂	l ₃	l ₄	l ₅	l ₆	l ₇	l ₈ ±0,02	l ₉ ±0,01
G232-04-3565100	65	100	20	80	-	-	-	-	40	20
G232-04-3565150	65	150	25	75	125	-	-	-	50	50
G232-04-3565200	65	200	25	75	125	175	-	-	50	100
G232-04-3565250	65	250	25	75	125	175	225	-	50	150
G232-04-3565300	65	300	25	75	125	175	225	275	50	200



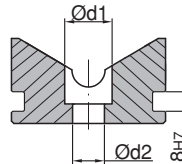
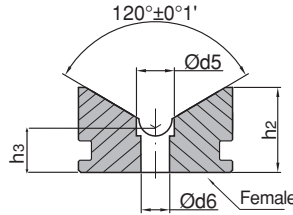
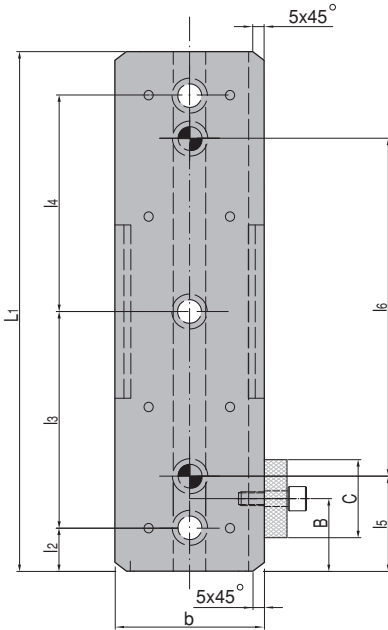
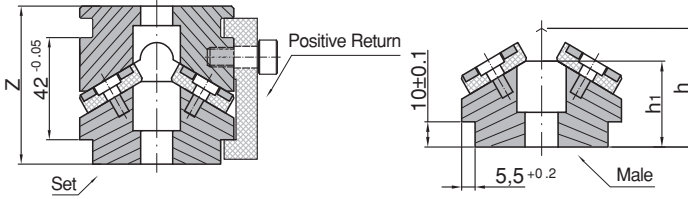
Material :
CK45
HRC 56 ÷ 60



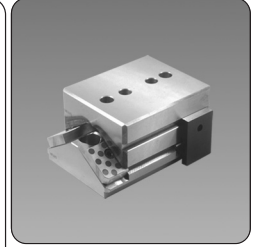
GSB CODE:G233-04

Code	b $\pm 0,025$	l_1	l_2	l_3	l_4	l_5	l_6	l_7	l_8 $\pm 0,02$	l_9 $\pm 0,01$
G233-04-3565100	65	100	20	80	-	-	-	-	40	20
G233-04-3565150	65	150	25	75	125	-	-	-	50	50
G233-04-3565200	65	200	25	75	125	175	-	-	50	100
G233-04-3565250	65	250	25	75	125	175	225	-	50	150
G233-04-3565300	65	300	25	75	125	175	225	275	50	200

VDI 3357



European patents pending.



Material (U Block) :
CK45
Hardened
HRC : 60 ÷ 64

Material (V Block - Body) :
CK45

G245-01
Bronze with non-liquid
Lubricant
HB ≥ 190

G245-03
Sintered Material

Direction of Motion
Screws not included.

"B" and "C" dimension is given
by the customer.

Two Positive return clamp
supplied with each "V" Driver
Set.

Ordering Example

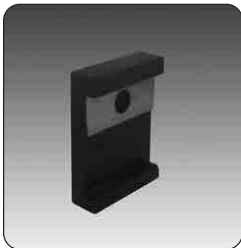
G245-XX-0615-01-X-BC

Part Type
S=Set
M=Male
F=Female

Sliding Type
01=Bronze with non-liquid Lubricant
03=Sintered Lubricant

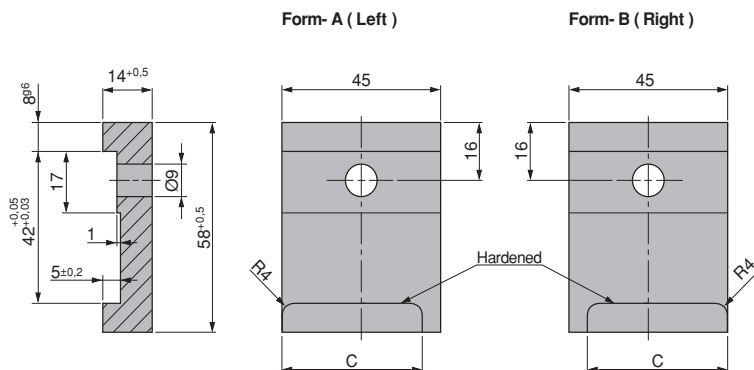
GSB CODE:G245-XX

Code	b	d ₁	d ₂	d ₅	d ₆	l ₁	l ₂	l ₃	l ₄	l ₅	l ₆	h	h ₁	h ₂	h ₃	z
	±0,026	H13	H13	H13	H7	-0,2	±0,2	±0,12	±0,12	±0,02	±0,01	±0,01		±0,2	±0,01	±0,05
G245-XX-0615-01-X-BC	65	20	13,5	16	12	150	25	-	100	55	45	47	34	35	18	65
G245-XX-0620-01-X-BC	65	20	13,5	16	12	200	25	-	150	55	95	47	34	35	18	65
G245-XX-0625-01-X-BC	65	20	13,5	16	12	250	25	100	100	55	145	47	34	35	18	65
G245-XX-0630-01-X-BC	65	20	13,5	16	12	300	25	125	125	55	195	47	34	35	18	65
G245-XX-1215-01-X-BC	125	26	17,5	20	16	150	25	-	100	55	45	57	44	60	28	85
G245-XX-1220-01-X-BC	125	26	17,5	20	16	200	25	-	150	55	95	57	44	60	28	85
G245-XX-1225-01-X-BC	125	26	17,5	20	16	250	25	100	100	55	145	57	44	60	28	85
G245-XX-1230-01-X-BC	125	26	17,5	20	16	300	25	125	125	55	195	57	44	60	28	85



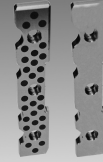
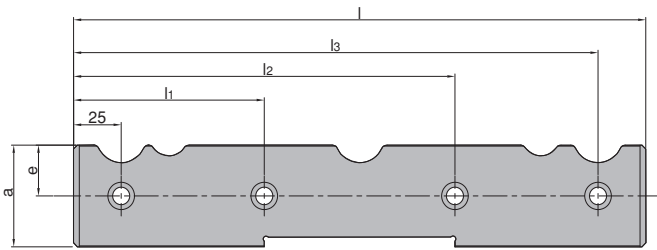
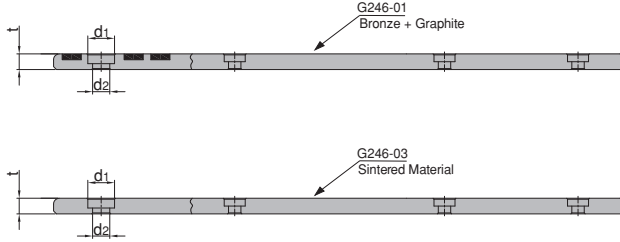
Material :
Steel
HRC : 40 ÷ 45

"C" dimension is given by the customer.



GSB CODE:G234-03

[illegible]



Material :

G246-01
Bronze with non-liquid
Lubricant
HB ≥ 190

G246-03
Sintered Material

Direction of Motion →

Screws not included.

Ordering Example

G246-XX-065-150-01

Sliding Type

01=Bronze with non-liquid Lubricant
03=Sintered Material

GSB CODE:G246-XX

Code	a	d ₁	d ₂	e	h	l	l ₁	l ₂	l ₃	t
										-0,005
G246-XX-065-150-01	27	11	6,5	14	4,5	150	75	-	125	8
G246-XX-065-200-01	27	11	6,5	14	4,5	200	75	125	175	8
G246-XX-065-250-01	27	11	6,5	14	4,5	250	90	160	225	8
G246-XX-065-300-01	27	11	6,5	14	4,5	300	95	205	275	8
G246-XX-125-150-01	52	14	9	26	5,5	150	75	-	125	8
G246-XX-125-200-01	52	14	9	26	5,5	200	75	125	175	8
G246-XX-125-250-01	52	14	9	26	5,5	250	90	160	225	8
G246-XX-125-300-01	52	14	9	26	5,5	300	100	200	275	8



NOTE

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info@gsb-oilless.com