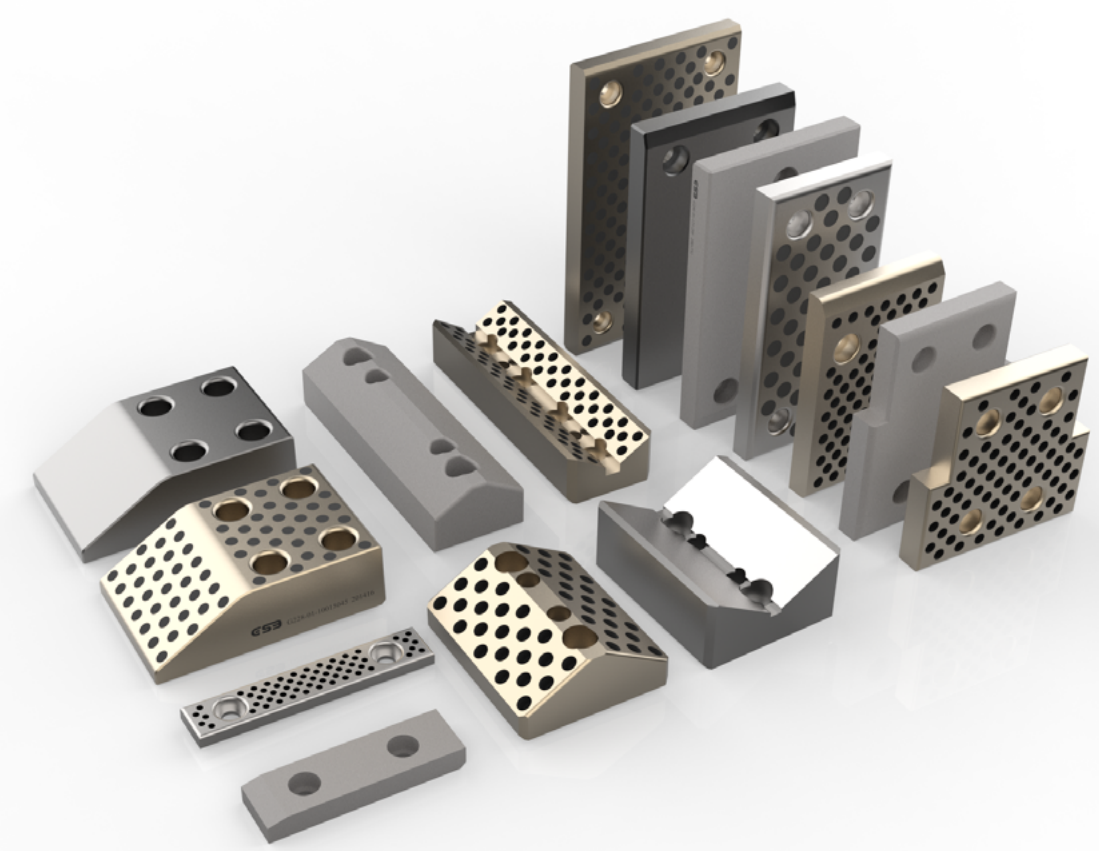


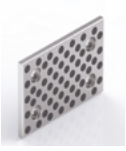
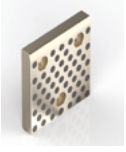
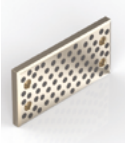
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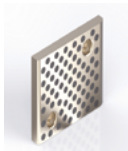
KILAVUZ ELEMANLARI
GUIDE ELEMENTS
ELEMENTOS DE GUIADO Y DESLIZAMIENTO

WEAR PRODUCTS

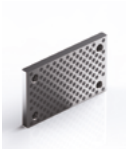
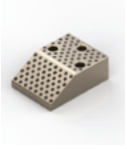
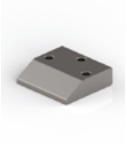
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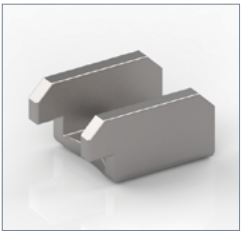
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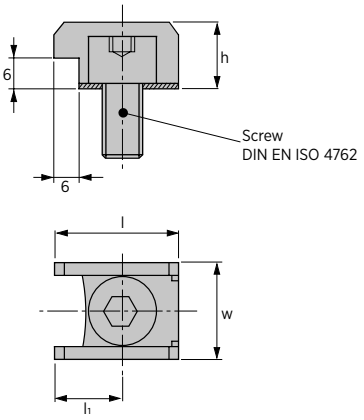
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3

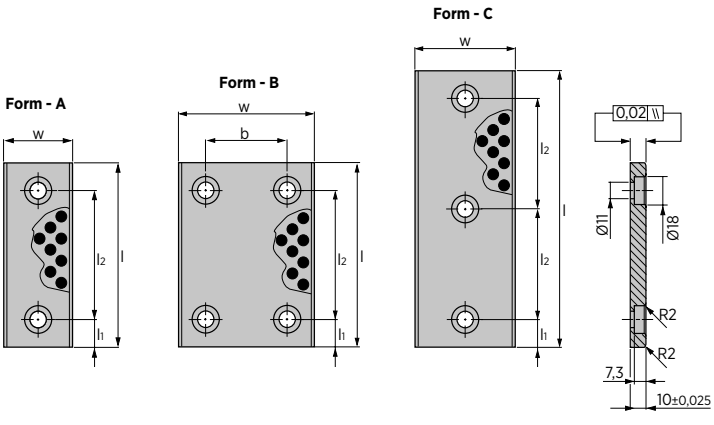


Hammadde / Material :
CK45

Screw not included.



KOD / CODE / CÓDIGO	w	h	l	l_1	Screw
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A101-05-235-279	23.5	15.5	27.9	15	M10X20



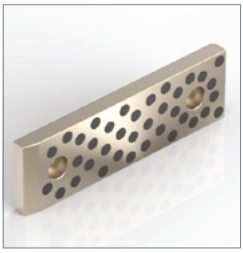


Hammadde / Material :
Bronze + Graphite

Hardness
HB ≥ 190

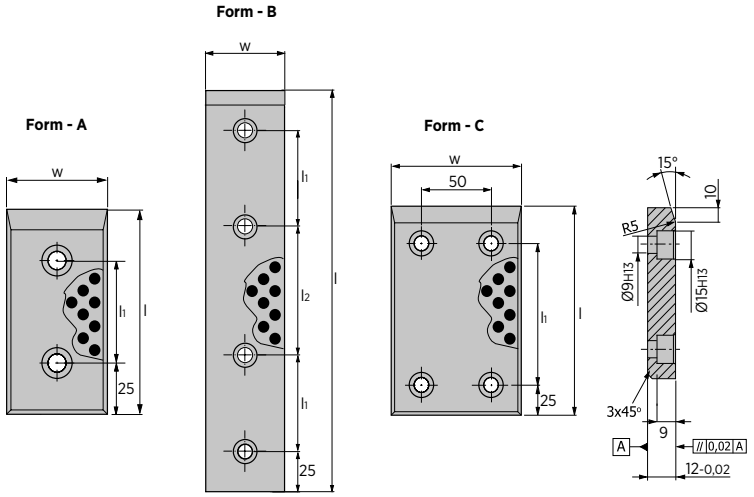
KOD / CODE / CÓDIGO	Form	w -0.1 / -0.3	l -0.1 / -0.3	l1	l2 ±0.2	b ±0.2
G220-03-028-075	A	28	75	15	45	-
G220-03-028-100	A	28	100	25	50	-
G220-03-028-125	A	28	125	25	75	-
G220-03-028-150	A	28	150	25	100	-
G220-03-038-075	A	38	75	15	45	-
G220-03-038-100	A	38	100	25	50	-
G220-03-038-125	A	38	125	25	75	-
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	-
G220-03-048-2001	A	48	200	25	150	-
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	-
G220-03-075-0751	A	75	75	25	25	-
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	-
G220-03-075-2001	A	75	200	25	150	-
G220-03-100-100	B	100	100	25	50	50
G220-03-100-125	B	100	125	25	75	50
G220-03-100-150	B	100	150	25	100	50
G220-03-100-200	B	100	200	25	150	50
G220-03-100-250	B	100	250	25	200	50
G220-03-125-150	B	125	150	25	100	50
G220-03-125-200	B	125	200	25	150	50
G220-03-125-250	B	125	250	25	200	50
G220-03-125-1251	B	125	125	25	75	75
G220-03-150-150	B	150	150	25	100	100
G220-03-150-200	B	150	200	25	150	100

3



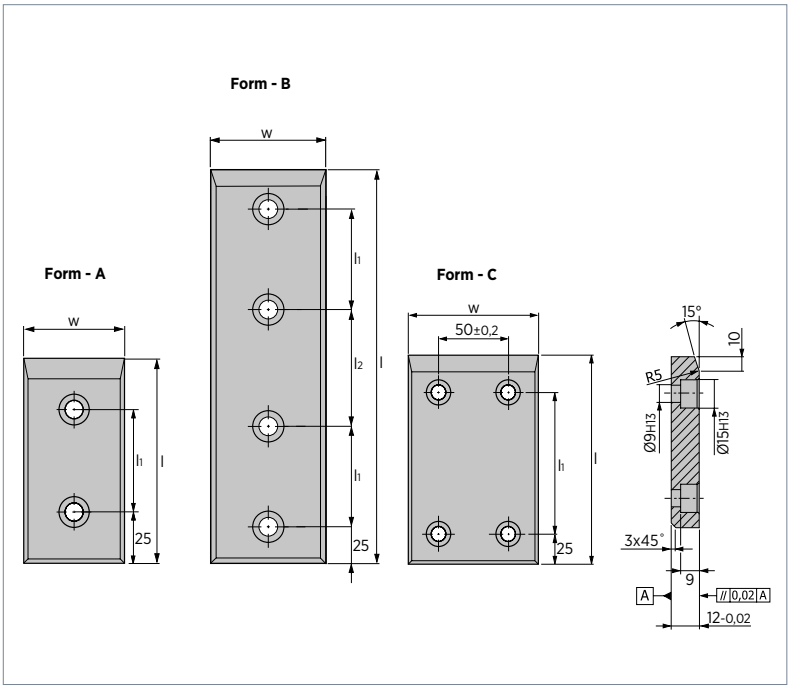
Hammadde / Material :
Bronze + Graphite

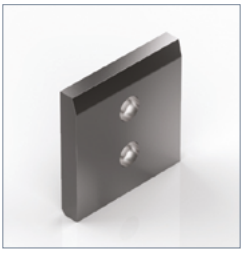
Hardness
HB ≥ 190



KOD / CODE / CÓDIGO	Form	w	l ±0,2	l1 ±0,2	l2 ±0,2
G222-01-030-080	A	30	80	30	-
G222-01-030-100	A	30	100	50	-
G222-01-030-125	A	30	125	75	-
G222-01-030-160	A	30	160	110	-
G222-01-030-200	A	30	200	150	-
G222-01-040-080	A	40	80	30	-
G222-01-040-100	A	40	100	50	-
G222-01-040-125	A	40	125	75	-
G222-01-040-160	A	40	160	110	-
G222-01-040-200	A	40	200	150	-
G222-01-050-080	A	50	80	30	-
G222-01-050-100	A	50	100	50	-
G222-01-050-125	A	50	125	75	-
G222-01-050-160	A	50	160	110	-
G222-01-050-180	A	50	180	130	-
G222-01-050-200	A	50	200	150	-
G222-01-050-250	B	50	250	60	80
G222-01-050-300	B	50	300	80	90

KOD / CODE / CÓDIGO	Form	w	l ±0,2	l1 ±0,2	l2 ±0,2
G222-01-050-350	B	50	350	100	100
G222-01-050-400	B	50	400	120	110
G222-01-060-080	A	60	80	30	-
G222-01-060-100	A	60	100	50	-
G222-01-060-125	A	60	125	75	-
G222-01-060-160	A	60	160	110	-
G222-01-060-200	A	60	200	150	-
G222-01-080-080	A	80	80	30	-
G222-01-080-100	A	80	100	50	-
G222-01-080-125	A	80	125	75	-
G222-01-080-160	A	80	160	110	-
G222-01-080-200	A	80	200	150	-
G222-01-100-125	C	100	125	75	-
G222-01-100-160	C	100	160	110	-
G222-01-100-200	C	100	200	150	-
G222-01-100-225	C	100	225	175	-
G222-01-100-250	C	100	250	200	-



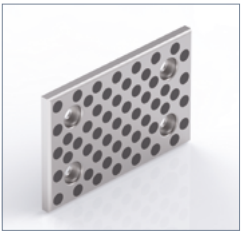


Hammadde / Material :
16MnCr5

Surface Hardened
HRC 60 ÷ 64

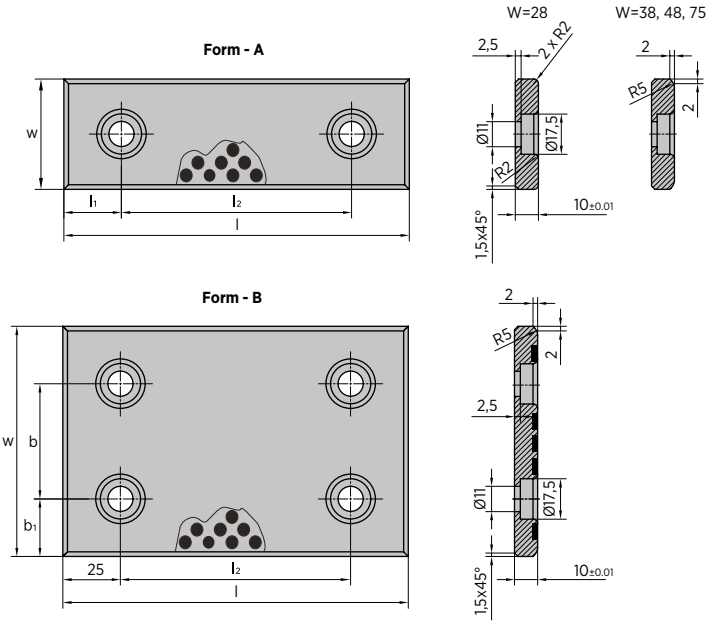
KOD / CODE / CÓDIGO	Form	w	l ±0.2	l1 ±0.2	l2 ±0.2
G223-01-030-080	A	30	80	30	-
G223-01-030-100	A	30	100	50	-
G223-01-030-125	A	30	125	75	-
G223-01-030-160	A	30	160	110	-
G223-01-030-200	A	30	200	150	-
G223-01-040-080	A	40	80	30	-
G223-01-040-100	A	40	100	50	-
G223-01-040-125	A	40	125	75	-
G223-01-040-160	A	40	160	110	-
G223-01-040-200	A	40	200	150	-
G223-01-050-080	A	50	80	30	-
G223-01-050-100	A	50	100	50	-
G223-01-050-125	A	50	125	75	-
G223-01-050-160	A	50	160	110	-
G223-01-050-180	A	50	180	130	-
G223-01-050-200	A	50	200	150	-
G223-01-050-250	B	50	250	60	80
G223-01-050-300	B	50	300	80	90

KOD / CODE / CÓDIGO	Form	w	l ±0.2	l1 ±0.2	l2 ±0.2
G223-01-050-350	B	50	350	100	100
G223-01-050-400	B	50	400	120	110
G223-01-060-080	A	60	80	30	-
G223-01-060-100	A	60	100	50	-
G223-01-060-125	A	60	125	75	-
G223-01-060-160	A	60	160	110	-
G223-01-060-180	A	60	180	130	-
G223-01-060-200	A	60	200	150	-
G223-01-080-080	A	80	80	30	-
G223-01-080-100	A	80	100	50	-
G223-01-080-125	A	80	125	75	-
G223-01-080-160	A	80	160	110	-
G223-01-080-200	A	80	200	150	-
G223-01-100-125	C	100	125	75	-
G223-01-100-160	C	100	160	110	-
G223-01-100-200	C	100	200	150	-
G223-01-100-225	C	100	225	175	-
G223-01-100-250	C	100	250	200	-

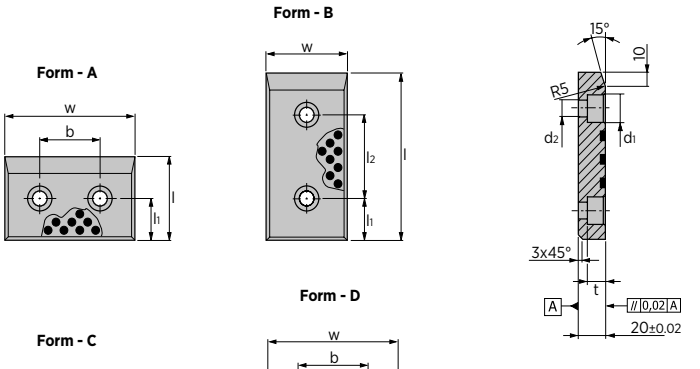


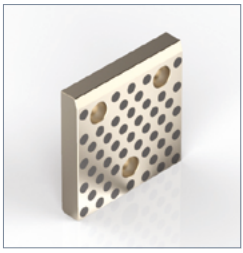
Hammadde / Material :
C105W1

Hardened
HRC50



KOD / CODE / CÓDIGO	Form	w -0.1 / -0.3	l -0.1 / -0.3	l_1	l_2 ±0.2	b ±0.2	b_1
G223-02-028-075	A	28	75	15	45	-	-
G223-02-028-100	A	28	100	25	50	-	-
G223-02-028-125	A	28	125	25	75	-	-
G223-02-028-150	A	28	150	25	100	-	-
G223-02-038-075	A	38	75	15	45	-	-
G223-02-038-100	A	38	100	25	50	-	-
G223-02-038-125	A	38	125	25	75	-	-
G223-02-038-150	A	38	150	25	100	-	-
G223-02-048-075	A	48	75	15	45	-	-
G223-02-048-100	A	48	100	25	50	-	-
G223-02-048-125	A	48	125	25	75	-	-
G223-02-048-150	A	48	150	25	100	-	-
G223-02-075-075	A	75	75	25	25	-	-
G223-02-075-100	A	75	100	25	50	-	-
G223-02-075-125	A	75	125	25	75	-	-
G223-02-075-150	A	75	150	25	100	-	-
G223-02-100-100	B	100	100	-	50	50	25
G223-02-100-125	B	100	125	-	75	50	25
G223-02-100-150	B	100	150	-	100	50	25
G223-02-100-200	B	100	200	-	150	50	25
G223-02-125-125	B	125	125	-	75	50	37.5
G223-02-125-150	B	125	150	-	100	50	37.5





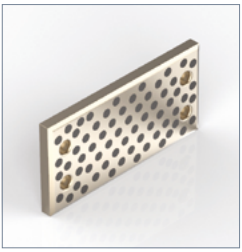
Hammadde / Material :
Bronze + Graphite

Hardness
HB ≥ 190

KOD / CODE / CÓDIGO	Form	w	l ±0.2	l1 ±0.2	l2 ±0.2	d1 H13	d2 H13	b ±0.2	t
G224-01-050-080	B	50	80	25	30	15	9	-	9
G224-01-050-100	B	50	100	25	50	20	13.5	-	13
G224-01-050-125	B	50	125	25	75	20	13.5	-	13
G224-01-050-160	B	50	160	25	110	20	13.5	-	13
G224-01-050-200	B	50	200	25	150	20	13.5	-	13
G224-01-080-050	A	80	50	25	-	15	9	30	9
G224-01-080-080	B	80	80	25	30	20	13.5	-	13
G224-01-080-100	B	80	100	25	50	20	13.5	-	13
G224-01-080-125	B	80	125	25	75	20	13.5	-	13
G224-01-080-160	B	80	160	25	110	20	13.5	-	13
G224-01-080-200	B	80	200	25	150	20	13.5	-	13
G224-01-080-250	B	80	250	40	170	20	13.5	-	13
G224-01-080-315	B	80	315	40	235	20	13.5	-	13
G224-01-100-050	A	100	50	25	-	20	13.5	50	13
G224-01-100-080	A	100	80	40	-	20	13.5	50	13
G224-01-100-100	B	100	100	25	50	20	13.5	-	13
G224-01-100-125	B	100	125	25	75	20	13.5	-	13
G224-01-100-160	B	100	160	25	110	20	13.5	-	13
G224-01-100-200	B	100	200	25	150	20	13.5	-	13
G224-01-100-250	B	100	250	40	170	20	13.5	-	13
G224-01-100-315	B	100	315	40	235	20	13.5	-	13

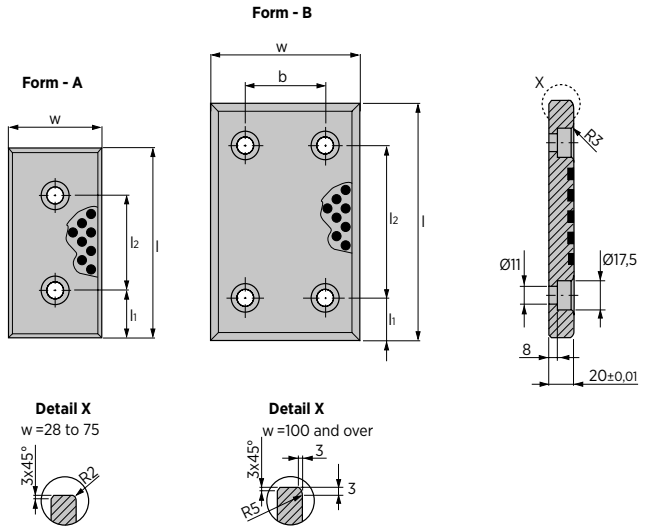
KOD / CODE / CÓDIGO	Form	w	l ±0.2	l1 ±0.2	l2 ±0.2	d1 H13	d2 H13	b ±0.2	t
G224-01-125-050	A	125	50	25	-	20	13.5	75	13
G224-01-125-080	A	125	80	40	-	20	13.5	75	13
G224-01-125-100	C	125	100	25	50	20	13.5	75	13
G224-01-125-125	C	125	125	25	75	20	13.5	75	13
G224-01-125-160	C	125	160	25	110	20	13.5	75	13
G224-01-125-200	C	125	200	25	150	20	13.5	75	13
G224-01-125-250	C	125	250	40	170	20	13.5	75	13
G224-01-125-315	C	125	315	40	235	20	13.5	75	13
G224-01-160-050	A	160	50	25	-	20	13.5	110	13
G224-01-160-080	A	160	80	40	-	20	13.5	110	13
G224-01-160-100	C	160	100	25	50	20	13.5	110	13
G224-01-160-125	C	160	125	25	75	20	13.5	110	13
G224-01-160-160	C	160	160	25	110	20	13.5	110	13
G224-01-160-200	C	160	200	25	150	20	13.5	110	13
G224-01-160-250	D	160	250	40	170	20	13.5	110	13
G224-01-160-315	D	160	315	40	235	20	13.5	110	13
G224-01-160-2501	C	160	250	40	170	20	13.5	110	13
G224-01-160-3151	C	160	315	40	235	20	13.5	110	13

3



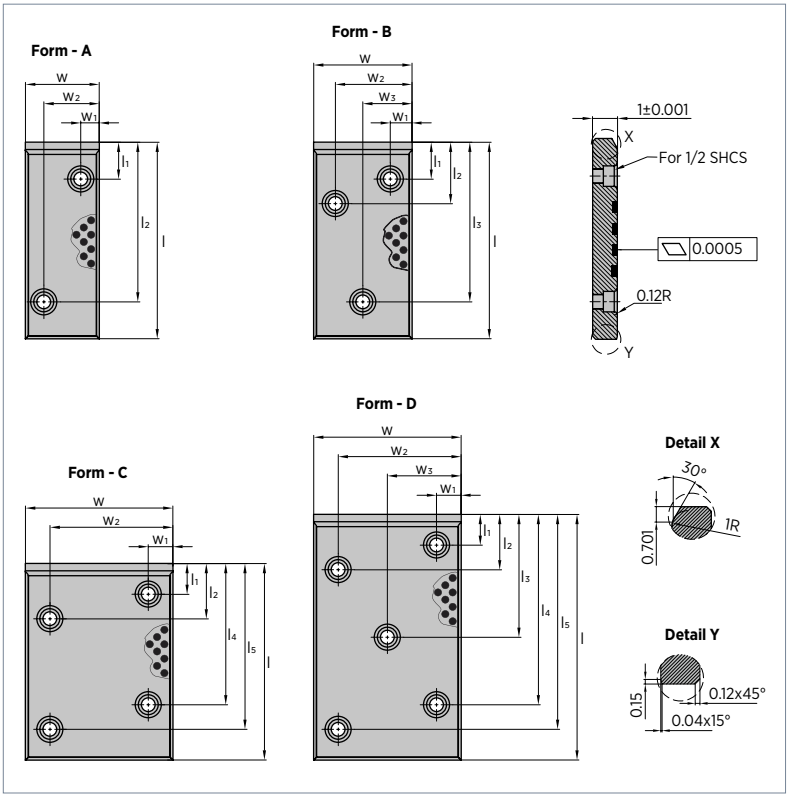
Hammadde / Material :
Bronze + Graphite

Hardness
HB ≥ 190



KOD / CODE / CÓDIGO	Form	w -0.1 / -0.3	l -0.1 / -0.3	l1	l2 ±0.2	b
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	-

KOD / CODE / CÓDIGO	Form	w -0.1 / -0.3	l -0.1 / -0.3	l1	l2 ±0.2	b
G224-02-100-100	B	100	100	25	50	50
G224-02-100-125	B	100	125	25	75	50
G224-02-100-150	B	100	150	25	100	50
G224-02-100-200	B	100	200	25	150	50
G224-02-100-250	B	100	250	25	200	50
G224-02-100-300	B	100	300	25	250	50
G224-02-125-125	B	125	125	25	75	50
G224-02-125-150	B	125	150	25	100	50
G224-02-125-200	B	125	200	25	150	50
G224-02-125-250	B	125	250	25	200	50
G224-02-125-300	B	125	300	25	250	50
G224-02-125-350	B	125	350	25	300	50
G224-02-150-150	B	150	150	25	100	100
G224-02-150-200	B	150	200	25	150	100
G224-02-150-250	B	150	250	25	200	100
G224-02-150-300	B	150	300	25	250	100
G224-02-150-350	B	150	350	25	300	100
G224-02-200-200	B	200	200	25	150	150
G224-02-200-250	B	200	250	25	200	150
G224-02-200-300	B	200	300	25	250	150
G224-02-200-350	B	200	350	25	300	150





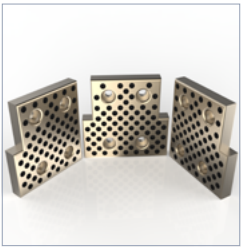
Hammadde / Material :
Bronze + Graphite

Hardness
HB ≥ 190

KOD / CODE / CÓDIGO	Form	w	l	w1	w3	w2	l1	l2	l3	l4	l5
G224-04-2508	A	2.5	8	1.25	-	1.25	1.5	6.5	-	-	-
G224-04-3025	A	3	2.5	0.75	-	2.25	1.25	1.25	-	-	-
G224-04-303	A	3	3	0.75	-	2.25	1.75	1.75	-	-	-
G224-04-304	A	3	4	0.75	-	2.25	1.25	2.75	-	-	-
G224-04-305	A	3	5	0.75	-	2.25	1.5	3.75	-	-	-
G224-04-306	A	3	6	0.75	-	2.25	1.5	4.5	-	-	-
G224-04-308	A	3	8	0.75	-	2.25	1.5	6.5	-	-	-
G224-04-310	B	3	10	0.75	1.5	2.25	1.5	2.5	8.5	-	-
G224-04-312	B	3	12	0.75	1.5	2.25	1.5	2.5	10.5	-	-
G224-04-4025	A	4	2.5	1.25	-	2.75	1.25	1.25	-	-	-
G224-04-403	A	4	3	1	-	3	1.5	2.25	-	-	-
G224-04-404	A	4	4	1	-	3	1.25	2.75	-	-	-
G224-04-405	A	4	5	0.88	-	3.12	1.5	3.75	-	-	-
G224-04-406	A	4	6	0.88	-	3.12	1.5	4.5	-	-	-
G224-04-408	B	4	8	0.88	2	3.12	1.5	2.5	6.5	-	-
G224-04-410	B	4	10	0.88	2	3.12	1.5	2.5	8.5	-	-
G224-04-412	B	4	12	0.88	2	3.12	1.5	2.5	10.5	-	-
G224-04-5025	A	5	2.5	1.25	-	3.75	1.25	1.25	-	-	-

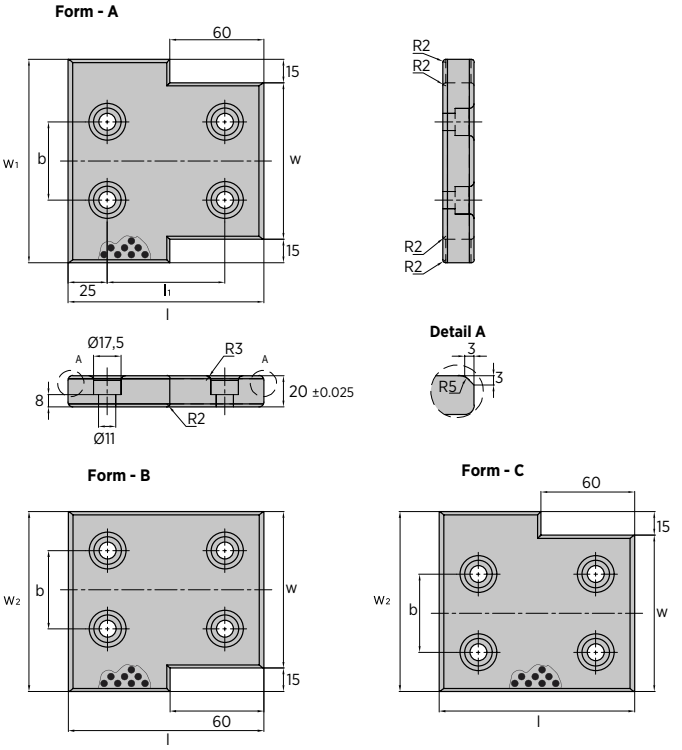
KOD / CODE / CÓDIGO	Form	w	l	w1	w3	w2	l1	l2	l3	l4	l5
G224-04-504	A	5	4	1	-	4	1.5	2.75	-	-	-
G224-04-505	A	5	5	1	-	4	1.5	3.75	-	-	-
G224-04-506	A	5	6	1	-	4	1.5	4.5	-	-	-
G224-04-508	B	5	8	1	2.5	4	1.5	2.5	6.5	-	-
G224-04-510	B	5	10	1	2.5	4	1.5	2.5	8.5	-	-
G224-04-512	C	5	12	1	-	4	1.5	2.5	-	9.5	10.5
G224-04-6025	A	6	2.50	1.5	-	4.5	1.25	1.25	-	-	-
G224-04-603	B	6	3	1	3	5	1.25	1.25	1.75	-	-
G224-04-604	B	6	4	1	3	5	1.25	2.25	2.75	-	-
G224-04-605	A	6	5	1.12	-	4.88	1.5	3.75	-	-	-
G224-04-606	C	6	6	1	-	5	1.25	2.25	-	3.75	4.75
G224-04-608	C	6	8	1	-	5	1.25	2.25	-	5.75	6.75
G224-04-610	D	6	10	1	3	5	1.25	2.25	5	7.75	8.75
G224-04-612	D	6	12	1	3	5	1.25	2.25	6	9.75	10.75
G224-04-8025	A	8	2.5	1.5	-	6.5	1.25	1.25	-	-	-
G224-04-805	A	8	5	1.25	-	6.75	1.5	3.75	-	-	-
G224-04-806	C	8	6	1	-	7	1.25	2.25	-	3.75	4.75
G224-04-1025	A	10	2.5	1.75	-	8.25	1.25	1.25	-	-	-

3



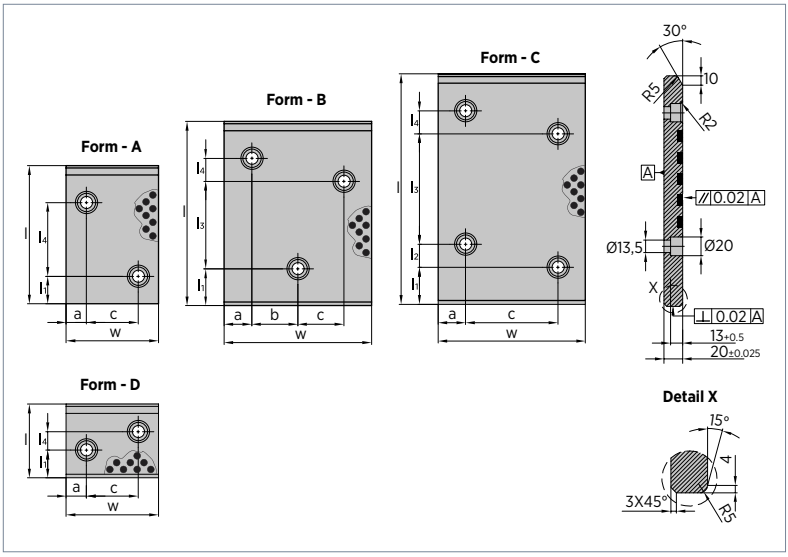
Hammadde / Material :
Bronze + Graphite

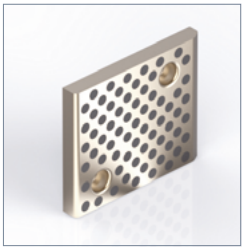
Hardness
HB ≥ 190



KOD / CODE / CÓDIGO	Form	w	l	w1	w2	b ±0.2	l1 ±0.2
G224-05-075-100	A	75	100	105	90	40	50
G224-05-075-125	A	75	125	105	90	40	75
G224-05-075-150	A	75	150	105	90	40	100
G224-05-100-125	A	100	125	130	115	50	75
G224-05-100-150	A	100	150	130	115	50	100
G224-05-125-150	A	125	150	155	140	75	100
G224-05-125-200	A	125	200	155	140	75	150
G224-05-125-250	A	125	250	155	140	75	200
G224-05-150-200	A	150	200	180	165	100	150
G224-05-150-250	A	150	250	180	165	100	200
G224-05-075-1001	B	75	100	105	90	40	50
G224-05-075-1251	B	75	125	105	90	40	75
G224-05-075-1501	B	75	150	105	90	40	100
G224-05-100-1251	B	100	125	130	115	50	75
G224-05-100-1501	B	100	150	130	115	50	100

KOD / CODE / CÓDIGO	Form	w	l	w1	w2	b ±0.2	l1 ±0.2
G224-05-125-1501	B	125	150	155	140	75	100
G224-05-125-2001	B	125	200	155	140	75	150
G224-05-125-2501	B	125	250	155	140	75	200
G224-05-150-2001	B	150	200	180	165	100	150
G224-05-150-2501	B	150	250	180	165	100	200
G224-05-075-1002	C	75	100	105	90	40	50
G224-05-075-1252	C	75	125	105	90	40	75
G224-05-075-1502	C	75	150	105	90	40	100
G224-05-100-1252	C	100	125	130	115	50	75
G224-05-100-1502	C	100	150	130	115	50	100
G224-05-125-1502	C	125	150	155	140	75	100
G224-05-125-2002	C	125	200	155	140	75	150
G224-05-125-2502	C	125	250	155	140	75	200
G224-05-150-2002	C	150	200	180	165	100	150
G224-05-150-2502	C	150	250	180	165	100	200



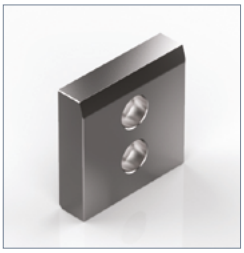


Hammadde / Material :
Bronze + Graphite

Hardness
HB ≥ 190

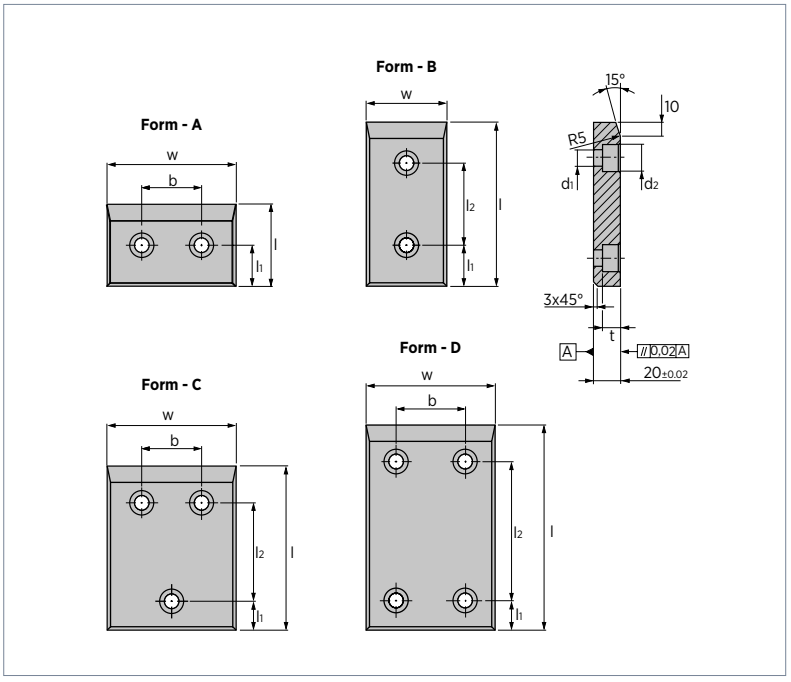
KOD / CODE / CÓDIGO	form	w	l	a	b	c	l1	l2	l3	l4
G224-07-050-100	A	50	100	25	-	-	30	-	-	30
G224-07-050-150	A	50	150	25	-	-	30	-	-	80
G224-07-050-200	A	50	200	25	-	-	40	-	-	120
G224-07-080-100	A	80	100	20	-	40	30	-	-	30
G224-07-080-150	A	80	150	20	-	40	30	-	-	80
G224-07-080-200	A	80	200	20	-	40	40	-	-	120
G224-07-080-250	A	80	250	20	-	40	40	-	-	170
G224-07-080-315	B	80	315	20	20	20	40	-	210	25
G224-07-100-050	D	100	50	22	-	56	14	-	-	13
G224-07-100-080	D	100	80	22	-	56	30	-	-	20
G224-07-100-100	A	100	100	22	-	56	30	-	-	30
G224-07-100-150	A	100	150	22	-	56	30	-	-	80
G224-07-100-200	B	100	200	22	28	28	40	-	95	25
G224-07-100-250	B	100	250	22	28	28	40	-	145	25
G224-07-100-315	B	100	315	22	28	28	40	-	210	25
G224-07-125-080	D	125	80	25	-	75	30	-	-	20
G224-07-125-100	A	125	100	25	-	75	30	-	-	30
G224-07-125-150	A	125	150	25	-	75	30	-	-	80
G224-07-125-200	B	125	200	25	37	38	40	-	95	25
G224-07-125-250	B	125	250	25	37	38	40	-	145	25
G224-07-125-315	C	125	315	25	-	75	40	25	185	25
G224-07-160-100	A	160	100	30	-	100	30	-	-	30
G224-07-160-150	A	160	150	30	-	100	30	-	-	80
G224-07-160-200	B	160	200	30	50	50	40	-	95	25
G224-07-160-250	C	160	250	30	-	100	40	25	120	25
G224-07-160-315	C	160	315	30	-	100	40	25	185	25

3



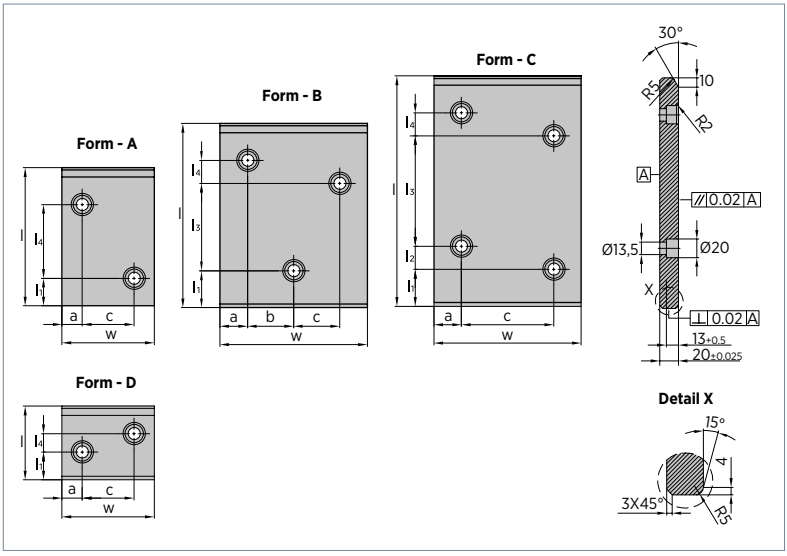
Hammadde / Material :
16MnCr5

Surface Hardened
HRC 60 ÷ 64



KOD / CODE / CÓDIGO	Form	w	l ±0.2	l1 ±0.2	l2 ±0.2	b ±0.2	d1 H13	d2 H13	t
G225-01-050-080	B	50	80	25	30	-	9	15	9
G225-01-050-100	B	50	100	25	50	-	13.5	20	13
G225-01-050-125	B	50	125	25	75	-	13.5	20	13
G225-01-050-160	B	50	160	25	110	-	13.5	20	13
G225-01-050-200	B	50	200	25	150	-	13.5	20	13
G225-01-080-050	A	80	50	25	-	30	9	15	9
G225-01-080-080	B	80	80	25	30	-	13.5	20	13
G225-01-080-100	B	80	100	25	50	-	13.5	20	13
G225-01-080-125	B	80	125	25	75	-	13.5	20	13
G225-01-080-160	B	80	160	25	110	-	13.5	20	13
G225-01-080-200	B	80	200	25	150	-	13.5	20	13
G225-01-080-250	B	80	250	40	170	-	13.5	20	13
G225-01-080-315	B	80	315	40	235	-	13.5	20	13
G225-01-100-050	A	100	50	25	-	50	13.5	20	13
G225-01-100-080	A	100	80	40	-	50	13.5	20	13
G225-01-100-100	B	100	100	25	50	-	13.5	20	13
G225-01-100-125	B	100	125	25	75	-	13.5	20	13
G225-01-100-160	B	100	160	25	110	-	13.5	20	13
G225-01-100-200	B	100	200	25	150	-	13.5	20	13
G225-01-100-250	B	100	250	40	170	-	13.5	20	13
G225-01-100-315	B	100	315	40	235	-	13.5	20	13

KOD / CODE / CÓDIGO	Form	w	l ±0.2	l1 ±0.2	l2 ±0.2	b ±0.2	d1 H13	d2 H13	t
G225-01-125-050	A	125	50	25	-	75	13.5	20	13
G225-01-125-080	A	125	80	40	-	75	13.5	20	13
G225-01-125-100	C	125	100	25	50	75	13.5	20	13
G225-01-125-125	C	125	125	25	75	75	13.5	20	13
G225-01-125-160	C	125	160	25	110	75	13.5	20	13
G225-01-125-200	C	125	200	25	150	75	13.5	20	13
G225-01-125-250	C	125	250	40	170	75	13.5	20	13
G225-01-125-315	C	125	315	40	235	75	13.5	20	13
G225-01-160-050	A	160	50	25	-	110	13.5	20	13
G225-01-160-080	A	160	80	40	-	110	13.5	20	13
G225-01-160-100	C	160	100	25	50	110	13.5	20	13
G225-01-160-125	C	160	125	25	75	110	13.5	20	13
G225-01-160-160	C	160	160	25	110	110	13.5	20	13
G225-01-160-200	C	160	200	25	150	110	13.5	20	13
G225-01-160-250	D	160	250	40	170	110	13.5	20	13
G225-01-160-315	D	160	315	40	235	110	13.5	20	13
G225-01-160-2501	C	160	250	40	170	110	13.5	20	13
G225-01-160-3151	C	160	315	40	235	110	13.5	20	13





Hammadde / Material :
16MnCr5

Surface Hardened
HRC 60 ÷ 64

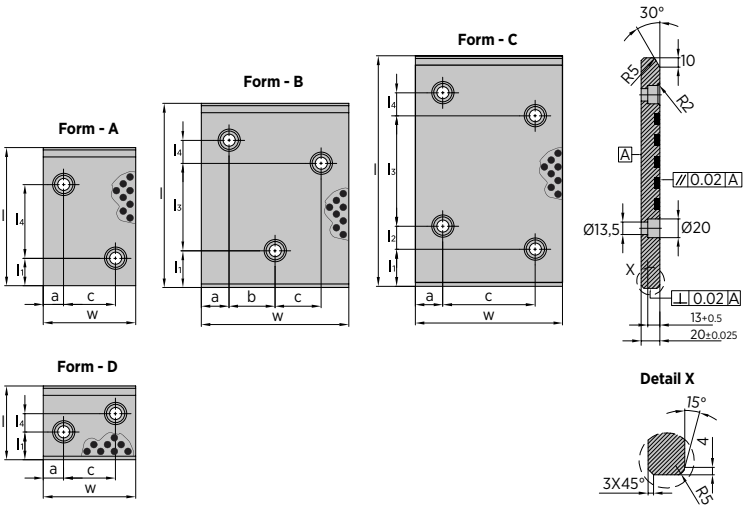
KOD / CODE / CÓDIGO	form	w	l	a	b	c	l1	l2	l3	l4
G225-05-050-100	A	50	100	25	-	-	30	-	-	30
G225-05-050-150	A	50	150	25	-	-	30	-	-	80
G225-05-050-200	A	50	200	25	-	-	40	-	-	120
G225-05-080-100	A	80	100	20	-	40	30	-	-	30
G225-05-080-150	A	80	150	20	-	40	30	-	-	80
G225-05-080-200	A	80	200	20	-	40	40	-	-	120
G225-05-080-250	A	80	250	20	-	40	40	-	-	170
G225-05-080-315	B	80	315	20	20	20	40	-	210	25
G225-05-100-050	D	100	50	22	-	56	14	-	-	13
G225-05-100-080	D	100	80	22	-	56	30	-	-	20
G225-05-100-100	A	100	100	22	-	56	30	-	-	30
G225-05-100-150	A	100	150	22	-	56	30	-	-	80
G225-05-100-200	B	100	200	22	28	28	40	-	95	25
G225-05-100-250	B	100	250	22	28	28	40	-	145	25
G225-05-100-315	B	100	315	22	28	28	40	-	210	25
G225-05-125-080	D	125	80	25	-	75	30	-	-	20
G225-05-125-100	A	125	100	25	-	75	30	-	-	30
G225-05-125-150	A	125	150	25	-	75	30	-	-	80
G225-05-125-200	B	125	200	25	37	38	40	-	95	25
G225-05-125-250	B	125	250	25	37	38	40	-	145	25
G225-05-125-315	C	125	315	25	-	75	40	25	185	25
G225-05-160-100	A	160	100	30	-	100	30	-	-	30
G225-05-160-150	A	160	150	30	-	100	30	-	-	80
G225-05-160-200	B	160	200	30	50	50	40	-	95	25
G225-05-160-250	C	160	250	30	-	100	40	25	120	25
G225-05-160-315	C	160	315	30	-	100	40	25	185	25

3

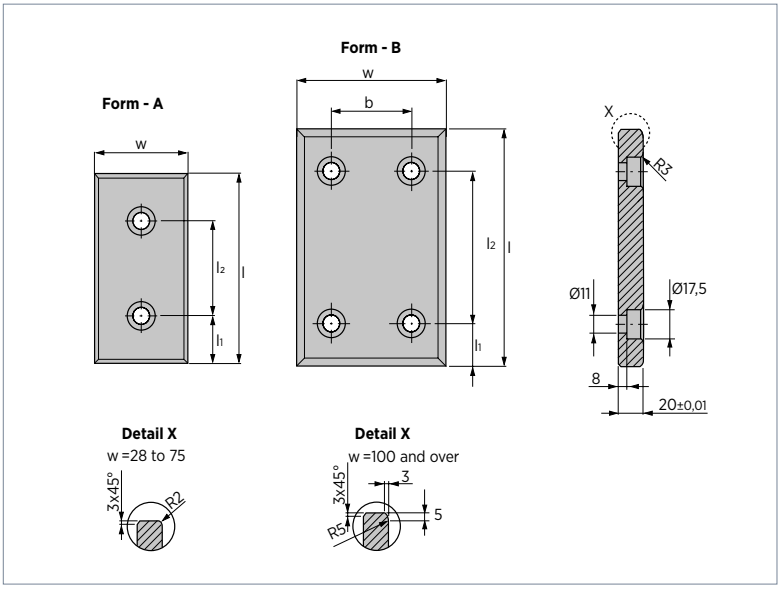


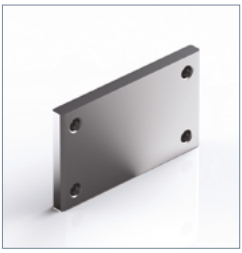
Hammadde / Material :
Steel + Graphite

Surface Hardened
HRC 60 ÷ 64



KOD / CODE / CÓDIGO	form	w	l	a	b	c	l1	l2	l3	l4
G225-06-050-100	A	50	100	25	-	-	30	-	-	30
G225-06-050-150	A	50	150	25	-	-	30	-	-	80
G225-06-050-200	A	50	200	25	-	-	40	-	-	120
G225-06-080-100	A	80	100	20	-	40	30	-	-	30
G225-06-080-150	A	80	150	20	-	40	30	-	-	80
G225-06-080-200	A	80	200	20	-	40	40	-	-	120
G225-06-080-250	A	80	250	20	-	40	40	-	-	170
G225-06-080-315	B	80	315	20	20	20	40	-	210	25
G225-06-100-050	D	100	50	22	-	56	14	-	-	13
G225-06-100-080	D	100	80	22	-	56	30	-	-	20
G225-06-100-100	A	100	100	22	-	56	30	-	-	30
G225-06-100-150	A	100	150	22	-	56	30	-	-	80
G225-06-100-200	B	100	200	22	28	28	40	-	95	25
G225-06-100-250	B	100	250	22	28	28	40	-	145	25
G225-06-100-315	B	100	315	22	28	28	40	-	210	25
G225-06-125-080	D	125	80	25	-	75	30	-	-	20
G225-06-125-100	A	125	100	25	-	75	30	-	-	30
G225-06-125-150	A	125	150	25	-	75	30	-	-	80
G225-06-125-200	B	125	200	25	37	38	40	-	95	25
G225-06-125-250	B	125	250	25	37	38	40	-	145	25
G225-06-125-315	C	125	315	25	-	75	40	25	185	25
G225-06-160-100	A	160	100	30	-	100	30	-	-	30
G225-06-160-150	A	160	150	30	-	100	30	-	-	80
G225-06-160-200	B	160	200	30	50	50	40	-	95	25
G225-06-160-250	C	160	250	30	-	100	40	25	120	25
G225-06-160-315	C	160	315	30	-	100	40	25	185	25



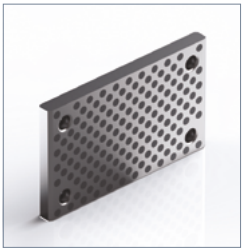


Hammadde / Material :
1.7131 (16MnCr5)

Hardened
HRC 60 - 64

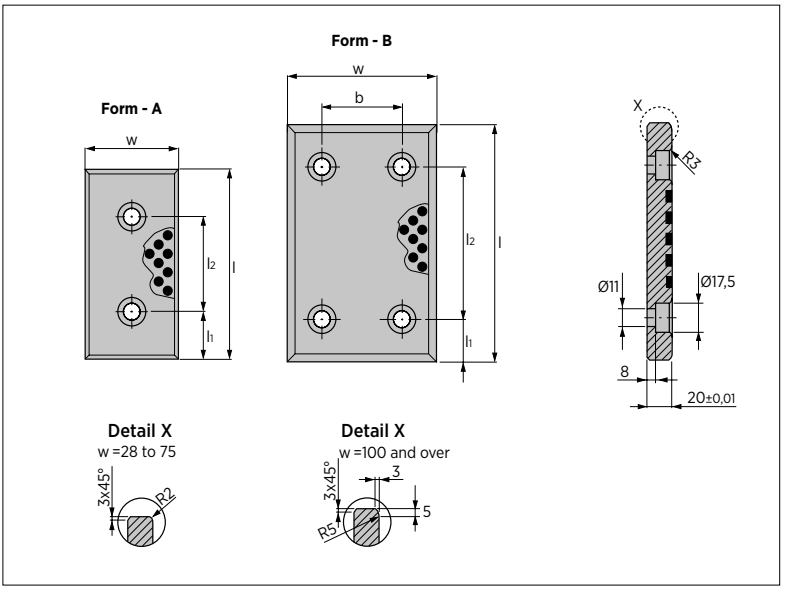
KOD / CODE / CÓDIGO	Form	w -0.1 / -0.3	l -0.1 / -0.3	l_1	l_2 ±0.2	b
G225-12-028-075	A	28	75	15	45	-
G225-12-028-100	A	28	100	25	50	-
G225-12-028-150	A	28	150	25	100	-
G225-12-038-075	A	38	75	15	45	-
G225-12-038-100	A	38	100	25	50	-
G225-12-038-150	A	38	150	25	100	-
G225-12-038-200	A	38	200	25	150	-
G225-12-048-075	A	48	75	15	45	-
G225-12-048-100	A	48	100	25	50	-
G225-12-048-125	A	48	125	25	75	-
G225-12-048-150	A	48	150	25	100	-
G225-12-048-200	A	48	200	25	150	-
G225-12-058-075	A	58	75	15	45	-
G225-12-058-100	A	58	100	25	50	-
G225-12-058-150	A	58	150	25	100	-
G225-12-075-075	A	75	75	15	45	-
G225-12-075-100	A	75	100	25	50	-
G225-12-075-125	A	75	125	25	75	-
G225-12-075-150	A	75	150	25	100	-
G225-12-100-100	B	100	100	25	50	50

KOD / CODE / CÓDIGO	Form	w -0.1 / -0.3	l -0.1 / -0.3	l_1	l_2 ±0.2	b
G225-12-100-125	B	100	125	25	75	50
G225-12-100-150	B	100	150	25	100	50
G225-12-100-200	B	100	200	25	150	50
G225-12-100-250	B	100	250	25	200	50
G225-12-100-300	B	100	300	25	250	50
G225-12-125-125	B	125	125	25	75	50
G225-12-125-150	B	125	150	25	100	50
G225-12-125-200	B	125	200	25	150	50
G225-12-125-250	B	125	250	25	200	50
G225-12-125-300	B	125	300	25	250	50
G225-12-125-350	B	125	350	25	300	50
G225-12-150-150	B	150	150	25	100	100
G225-12-150-200	B	150	200	25	150	100
G225-12-150-250	B	150	250	25	200	100
G225-12-150-300	B	150	300	25	250	100
G225-12-150-350	B	150	350	25	300	100
G225-12-200-200	B	200	200	25	150	100
G225-12-200-250	B	200	250	25	200	100
G225-12-200-300	B	200	300	25	250	100
G225-12-200-350	B	200	350	25	300	100



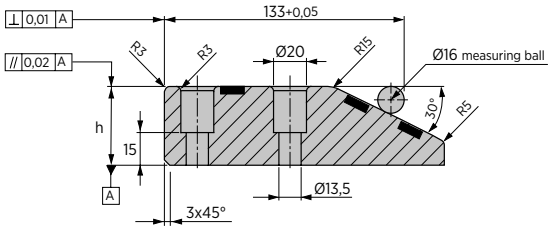
Hammadde / Material :
1.7131 (16MnCr5)

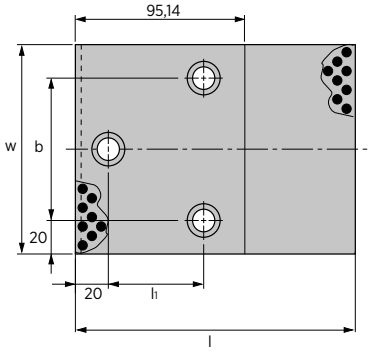
Hardened
HRC 60 - 64

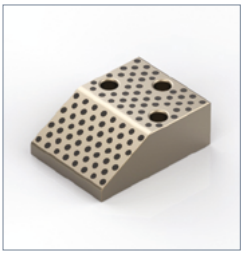


KOD / CODE / CÓDIGO	Form	w -0.1 / -0.3	l -0.1 / -0.3	l1	l2 ±0.2	b
G225-13-028-075	A	28	75	15	45	-
G225-13-028-100	A	28	100	25	50	-
G225-13-028-150	A	28	150	25	100	-
G225-13-038-075	A	38	75	15	45	-
G225-13-038-100	A	38	100	25	50	-
G225-13-038-150	A	38	150	25	100	-
G225-13-038-200	A	38	200	25	150	-
G225-13-048-075	A	48	75	15	45	-
G225-13-048-100	A	48	100	25	50	-
G225-13-048-125	A	48	125	25	75	-
G225-13-048-150	A	48	150	25	100	-
G225-13-048-200	A	48	200	25	150	-
G225-13-058-075	A	58	75	15	45	-
G225-13-058-100	A	58	100	25	50	-
G225-13-058-150	A	58	150	25	100	-
G225-13-075-075	A	75	75	15	45	-
G225-13-075-100	A	75	100	25	50	-
G225-13-075-125	A	75	125	25	75	-
G225-13-075-150	A	75	150	25	100	-
G225-13-075-200	A	75	200	25	150	-

KOD / CODE / CÓDIGO	Form	w -0.1 / -0.3	l -0.1 / -0.3	l1	l2 ±0.2	b
G225-13-100-100	B	100	100	25	50	50
G225-13-100-125	B	100	125	25	75	50
G225-13-100-150	B	100	150	25	100	50
G225-13-100-200	B	100	200	25	150	50
G225-13-100-250	B	100	250	25	200	50
G225-13-100-300	B	100	300	25	250	50
G225-13-125-125	B	125	125	25	75	50
G225-13-125-150	B	125	150	25	100	50
G225-13-125-200	B	125	200	25	150	50
G225-13-125-250	B	125	250	25	200	50
G225-13-125-300	B	125	300	25	250	50
G225-13-125-350	B	125	350	25	300	50
G225-13-150-150	B	150	150	25	100	100
G225-13-150-200	B	150	200	25	150	100
G225-13-150-250	B	150	250	25	200	100
G225-13-150-300	B	150	300	25	250	100
G225-13-150-350	B	150	350	25	300	100
G225-13-200-200	B	200	200	25	150	100
G225-13-200-250	B	200	250	25	200	100
G225-13-200-300	B	200	300	25	250	100
G225-13-200-350	B	200	350	25	300	100





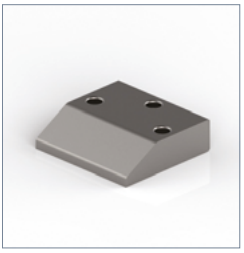


Hammadde / Material :
Bronze + Graphite

Hardness
HB ≥ 190

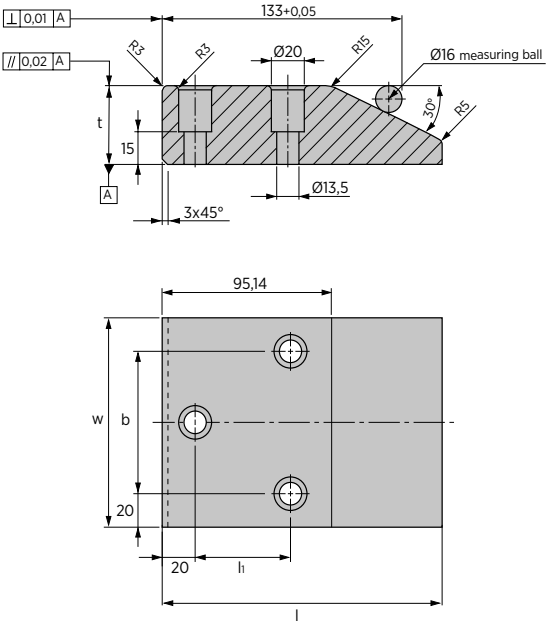
KOD / CODE / CÓDIGO	w	h ±0.05	l	l1	b
G228-04-10012530	100	30	125	50	60
G228-04-10015045	100	45	150	45	60
G228-04-10017060	100	60	170	45	60
G228-04-12512530	125	30	125	50	85
G228-04-12515045	125	45	150	45	85
G228-04-12517060	125	60	170	45	85
G228-04-16012530	160	30	125	50	120
G228-04-16015045	160	45	150	45	120
G228-04-16017060	160	60	170	45	120

3

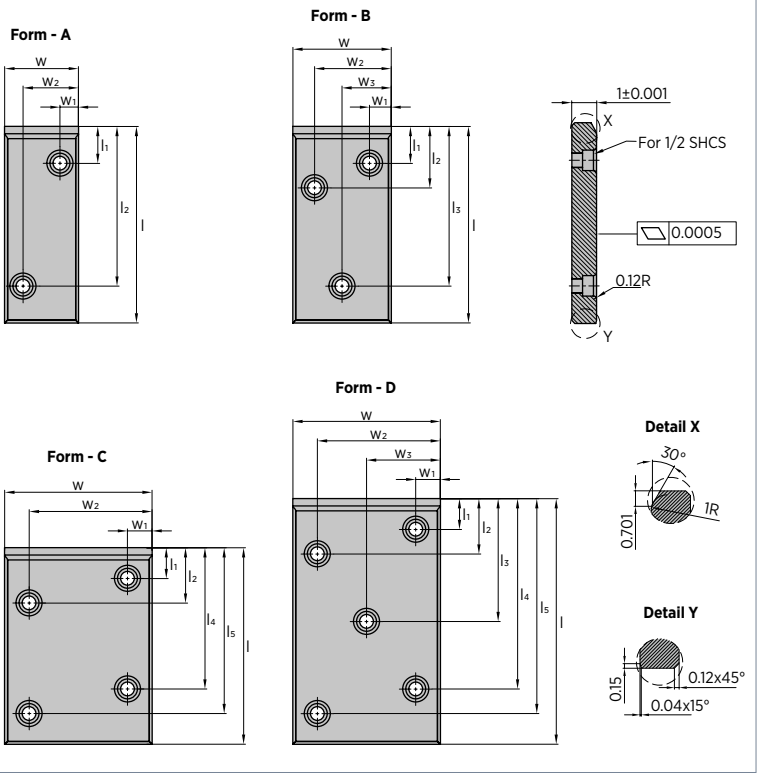


Hammadde / Material :
1.7225 (42CrMo4)

Hardened
HRC 56 ÷ 60



KOD / CODE / CÓDIGO	w	l	t ±0.05	l1	b
G229-04-10012530	100	125	30	50	60
G229-04-10015045	100	150	45	45	60
G229-04-10017060	100	170	60	45	60
G229-04-12512530	125	125	30	50	85
G229-04-12515045	125	150	45	45	85
G229-04-12517060	125	170	60	45	85
G229-04-16012530	160	125	30	50	120
G229-04-16015045	160	150	45	45	120
G229-04-16017060	160	170	60	45	120



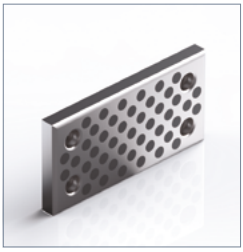


Hammadde / Material :
42CrMo4

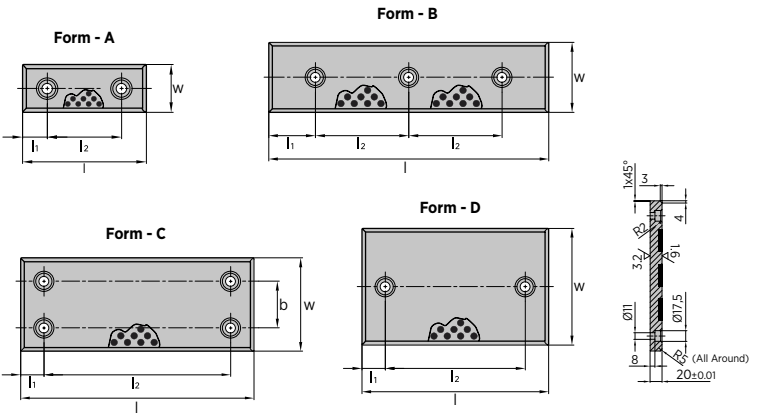
Surface Hardened
HRC 56-62

KOD / CODE / CÓDIGO	Form	w	l	w1	w3	w2	l1	l2	l3	l4	l5
G229-06-2508	A	2.5	8	1.25	-	1.25	1.5	6.5	-	-	-
G229-06-3025	A	3	2.5	0.75	-	2.25	1.25	1.25	-	-	-
G229-06-303	A	3	3	0.75	-	2.25	1.75	1.75	-	-	-
G229-06-304	A	3	4	0.75	-	2.25	1.25	2.75	-	-	-
G229-06-305	A	3	5	0.75	-	2.25	1.5	3.75	-	-	-
G229-06-306	A	3	6	0.75	-	2.25	1.5	4.5	-	-	-
G229-06-308	A	3	8	0.75	-	2.25	1.5	6.5	-	-	-
G229-06-310	B	3	10	0.75	1.5	2.25	1.5	2.5	8.5	-	-
G229-06-312	B	3	12	0.75	1.5	2.25	1.5	2.5	10.5	-	-
G229-06-4025	A	4	2.5	1.25	-	2.75	1.25	1.25	-	-	-
G229-06-403	A	4	3	1	-	3	1.5	2.25	-	-	-
G229-06-404	A	4	4	1	-	3	1.25	2.75	-	-	-
G229-06-405	A	4	5	0.88	-	3.12	1.5	3.75	-	-	-
G229-06-406	A	4	6	0.88	-	3.12	1.5	4.5	-	-	-
G229-06-408	B	4	8	0.88	2	3.12	1.5	2.5	6.5	-	-
G229-06-410	B	4	10	0.88	2	3.12	1.5	2.5	8.5	-	-
G229-06-412	B	4	12	0.88	2	3.12	1.5	2.5	10.5	-	-
G229-06-5025	A	5	2.5	1.25	-	3.75	1.25	1.25	-	-	-

KOD / CODE / CÓDIGO	Form	w	l	w1	w3	w2	l1	l2	l3	l4	l5
G229-06-504	A	5	4	1	-	4	1.5	2.75	-	-	-
G229-06-505	A	5	5	1	-	4	1.5	3.75	-	-	-
G229-06-506	A	5	6	1	-	4	1.5	4.5	-	-	-
G229-06-508	B	5	8	1	2.5	4	1.5	2.5	6.5	-	-
G229-06-510	B	5	10	1	2.5	4	1.5	2.5	8.5	-	-
G229-06-512	C	5	12	1	-	4	1.5	2.5	-	9.5	10.5
G229-06-6025	A	6	2.5	1.5	-	4.5	1.25	1.25	-	-	-
G229-06-603	B	6	3	1	3	5	1.25	1.25	1.75	-	-
G229-06-604	B	6	4	1	3	5	1.25	2.25	2.75	-	-
G229-06-605	A	6	5	1.12	-	4.88	1.5	3.75	-	-	-
G229-06-606	C	6	6	1	-	5	1.25	2.25	-	3.75	4.75
G229-06-608	C	6	8	1	-	5	1.25	2.25	-	5.75	6.75
G229-06-610	D	6	10	1	3	5	1.25	2.25	5	7.75	8.75
G229-06-612	D	6	12	1	3	5	1.25	2.25	6	9.75	10.75
G229-06-8025	A	8	2.5	1.5	-	6.5	1.25	1.25	-	-	-
G229-06-805	A	8	5	1.25	-	6.75	1.5	3.75	-	-	-
G229-06-806	C	8	6	1	-	7	1.25	2.25	-	3.75	4.75
G229-06-1025	A	10	2.5	1.75	-	8.25	1.25	1.25	-	-	-

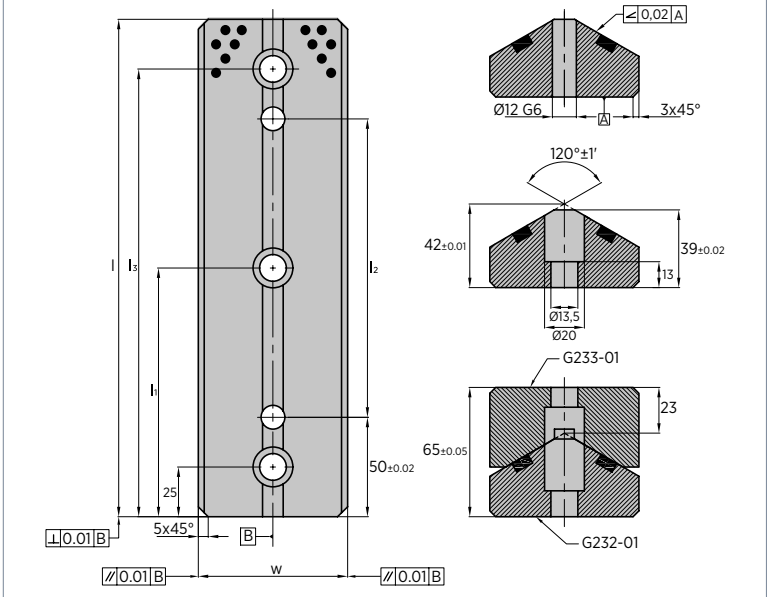


Hammadde / Material :
EN-GJL-250 /
EN-JL1040 (GG25)



KOD / CODE / CÓDIGO	Form	w -0.1 / -0.2	l -0.1 / -0.2	l_1	l_2 ±0.2	b ±0.2
G230-04-028-075	A	28	75	15	45	-
G230-04-028-100	A	28	100	25	50	-
G230-04-028-125	A	28	125	25	75	-
G230-04-028-150	A	28	150	25	100	-
G230-04-028-200	A	28	200	25	150	-
G230-04-038-075	A	38	75	15	45	-
G230-04-038-100	A	38	100	25	50	-
G230-04-038-125	A	38	125	25	75	-
G230-04-038-150	A	38	150	25	100	-
G230-04-038-200	A	38	200	25	150	-
G230-04-048-075	A	48	75	15	45	-
G230-04-048-100	A	48	100	25	50	-
G230-04-048-125	A	48	125	25	75	-
G230-04-048-150	A	48	150	25	100	-
G230-04-048-200	A	48	200	25	150	-
G230-04-058-075	A	58	75	15	45	-
G230-04-058-100	A	58	100	25	50	-
G230-04-058-125	A	58	125	25	75	-
G230-04-058-150	A	58	150	25	100	-
G230-04-075-075	A	75	75	25	25	-
G230-04-075-100	A	75	100	25	50	-
G230-04-075-125	A	75	125	25	75	-
G230-04-075-150	A	75	150	25	100	-
G230-04-075-200	A	75	200	25	150	-
G230-04-075-250	A	75	250	25	200	-
G230-04-075-300	B	75	300	50	100	-
G230-04-100-100	C	100	100	25	50	50
G230-04-100-125	C	100	125	25	75	50
G230-04-100-150	C	100	150	25	100	50

KOD / CODE / CÓDIGO	Form	w -0.1 / -0.2	l -0.1 / -0.2	l_1	l_2 ±0.2	b ±0.2
G230-04-100-200	C	100	200	25	150	50
G230-04-100-250	C	100	250	25	200	50
G230-04-100-300	C	100	300	50	200	50
G230-04-125-125	C	125	125	25	75	50
G230-04-125-150	C	125	150	25	100	50
G230-04-125-200	C	125	200	25	150	50
G230-04-125-250	C	125	250	25	200	50
G230-04-125-300	C	125	300	50	200	50
G230-04-150-150	C	150	150	25	100	100
G230-04-150-200	C	150	200	25	150	100
G230-04-150-250	C	150	250	25	200	100
G230-04-150-300	C	150	300	25	250	100
G230-04-100-1001	D	100	100	25	50	-
G230-04-100-1251	D	100	125	25	75	-
G230-04-100-1501	D	100	150	25	100	-
G230-04-100-2001	D	100	200	25	150	-
G230-04-100-2501	D	100	250	25	200	-
G230-04-100-3001	D	100	300	50	200	-
G230-04-125-1251	D	125	125	25	75	-
G230-04-125-1501	D	125	150	25	100	-
G230-04-125-2001	D	125	200	25	150	-
G230-04-125-2501	D	125	250	25	200	-
G230-04-125-3001	D	125	300	50	200	-
G230-04-150-1501	D	150	150	25	100	-
G230-04-150-2001	D	150	200	25	150	-
G230-04-150-2501	D	150	250	25	200	-
G230-04-150-3001	D	150	300	25	250	-
G230-04-200-200	C	200	200	25	150	150
G230-04-200-250	C	200	250	25	200	150
G230-04-200-300	C	200	300	25	250	150





Hammadde / Material :
Bronze + Graphite

Hardness
HB>=190

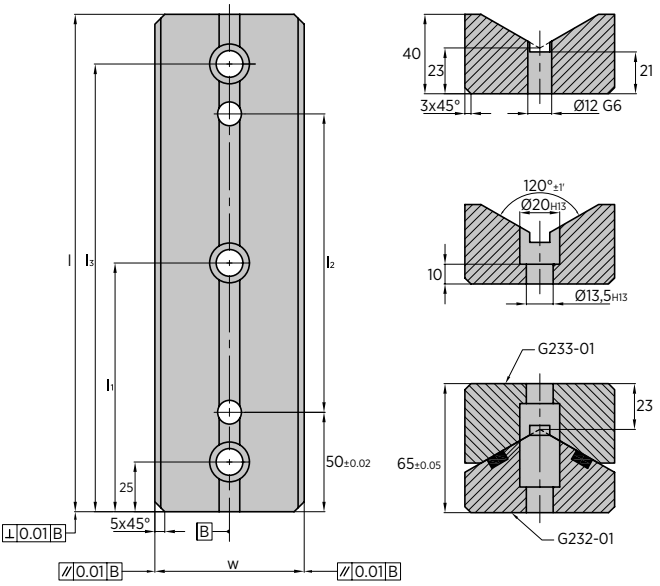
KOD / CODE / CÓDIGO	w ±0.026	l -0.1/-0.3	l_1 ±0.2	l_2 ±0.01	l_3 ±0.2
G232-01-0650150	65	150	-	50	125
G232-01-0650200	65	200	-	100	175
G232-01-0650250	65	250	125	150	225
G232-01-0650300	65	300	150	200	275
G232-01-0750150	75	150	-	50	125
G232-01-0750200	75	200	-	100	175
G232-01-0750250	75	250	125	150	225
G232-01-0750300	75	300	150	200	275

3

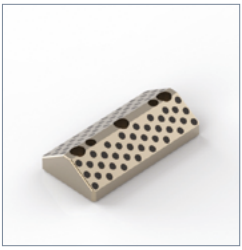


Hammadde / Material :
Steel

Surface Hardened
HRC 56 ÷ 60

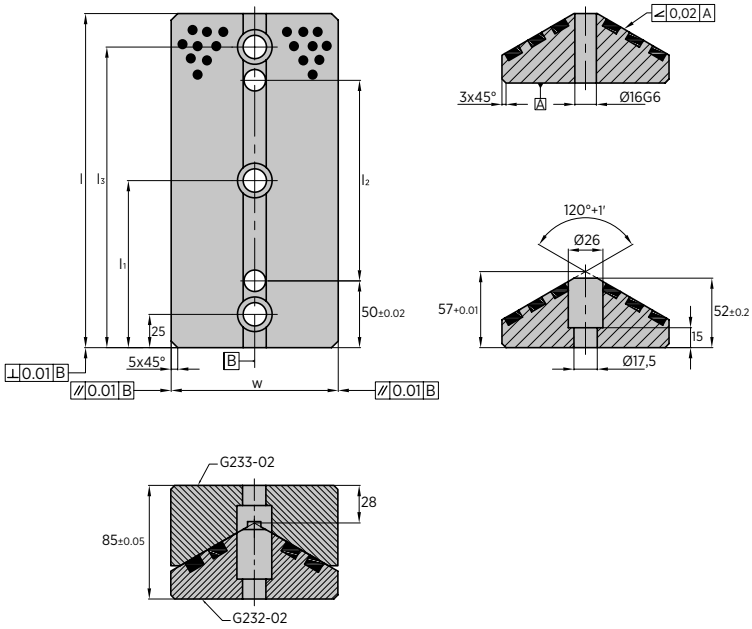


KOD / CODE / CÓDIGO	w ±0.026	l -0.1 / -0.3	l1 ±0.2	l2 ±0.01	l3 ±0.2
G233-01-0650150	65	150	-	50	125
G233-01-0650200	65	200	-	100	175
G233-01-0650250	65	250	125	150	225
G233-01-0650300	65	300	150	200	275
G233-01-0750150	75	150	-	50	125
G233-01-0750200	75	200	-	100	175
G233-01-0750250	75	250	125	150	225
G233-01-0750300	75	300	150	200	275



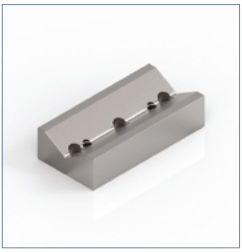
Hammadde / Material :
Bronze + Graphite

Hardness
HB>=190



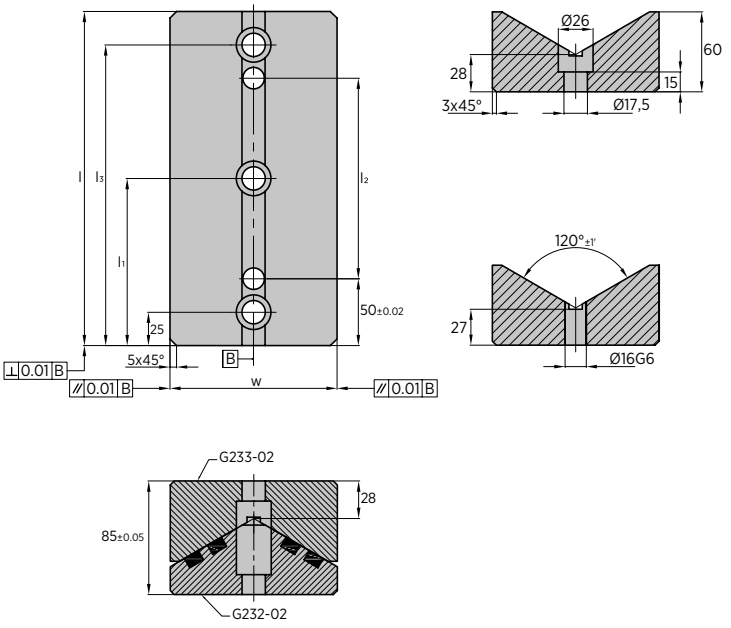
KOD / CODE / CÓDIGO	w ±0.026	l -0.1/-0.3	l_1 ±0.2	l_2 ±0.01	l_3 ±0.2
G232-02-1250150	125	150	-	50	125
G232-02-1250200	125	200	-	100	175
G232-02-1250250	125	250	125	150	225
G232-02-1250300	125	300	150	200	275

3

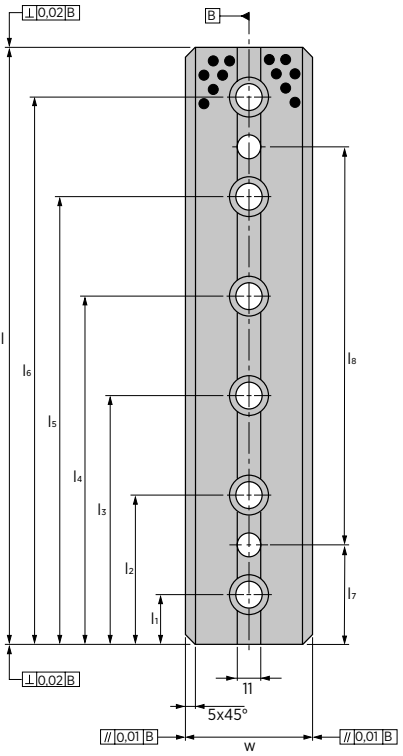


Hammadde / Material :
CK45

Surface Hardened
HRC 56 ÷ 60



KOD / CODE / CÓDIGO	w ±0.026	l -0.1/-0.3	l_1 ±0.2	l_2 ±0.01	l_3 ±0.2
G233-02-1250150	125	150	-	50	125
G233-02-1250200	125	200	-	100	175
G233-02-1250250	125	250	125	150	225
G233-02-1250300	125	300	150	200	275





Hammadde / Material :
Bronze + Graphite

Hardness
HB ≥ 190

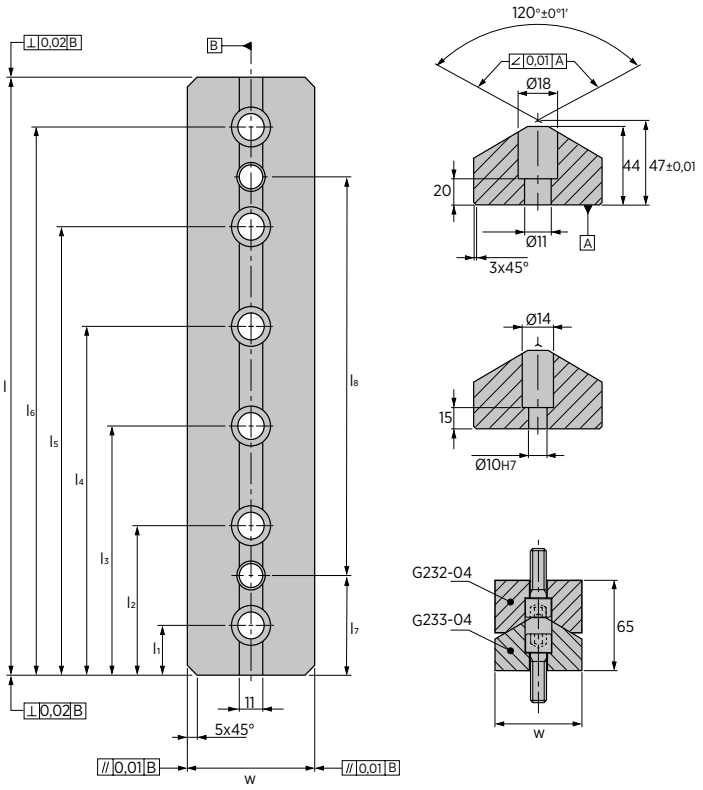
KOD / CODE / CÓDIGO	w ±0.025	l	l1	l2	l3	l4	l5	l6	l7 ±0.02	l8 ±0.01
G232-04-3565100	65	100	20	80	-	-	-	-	40	20
G232-04-3565150	65	150	25	75	125	-	-	-	50	50
G232-04-3565200	65	200	25	75	125	175	-	-	50	100
G232-04-3565250	65	250	25	75	125	175	225	-	50	150
G232-04-3565300	65	300	25	75	125	175	225	275	50	200

3

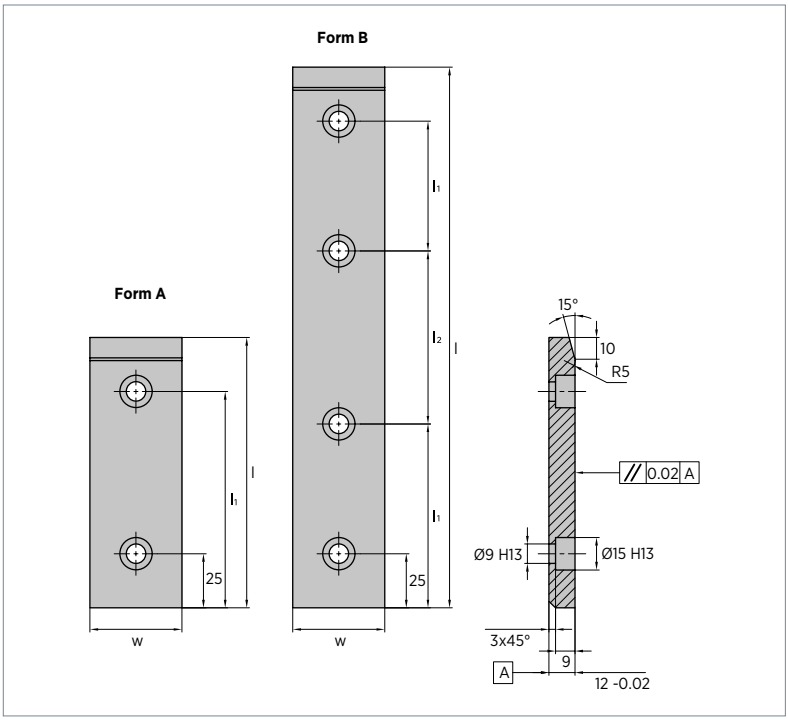


Hammadde / Material :
CK45

Surface Hardened
HRC 58 ÷ 60



KOD / CODE / CÓDIGO	w ±0.025	l	l1	l2	l3	l4	l5	l6	l7 ±0.02	l8 ±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



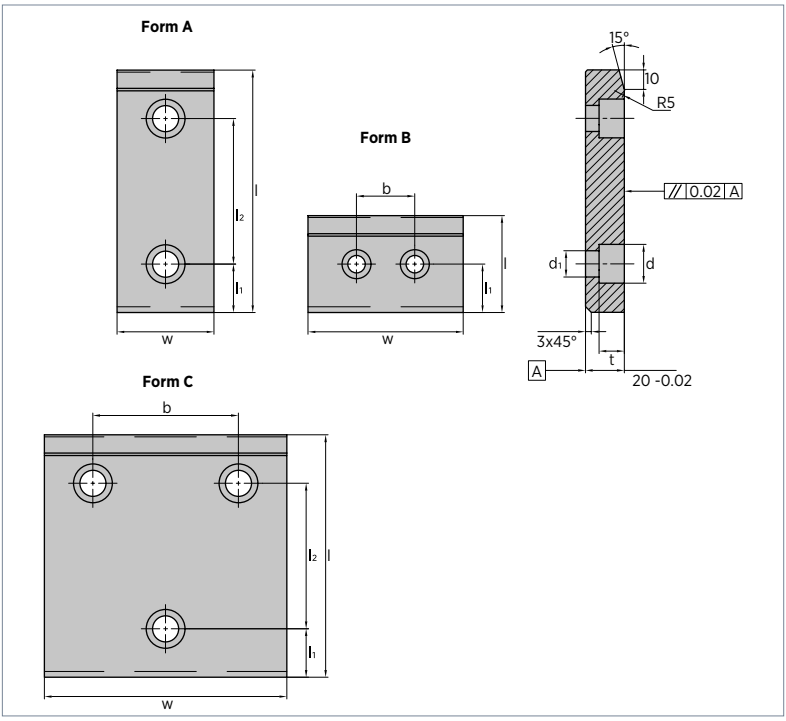


Hammadde / Material :
Steel (Sintered)

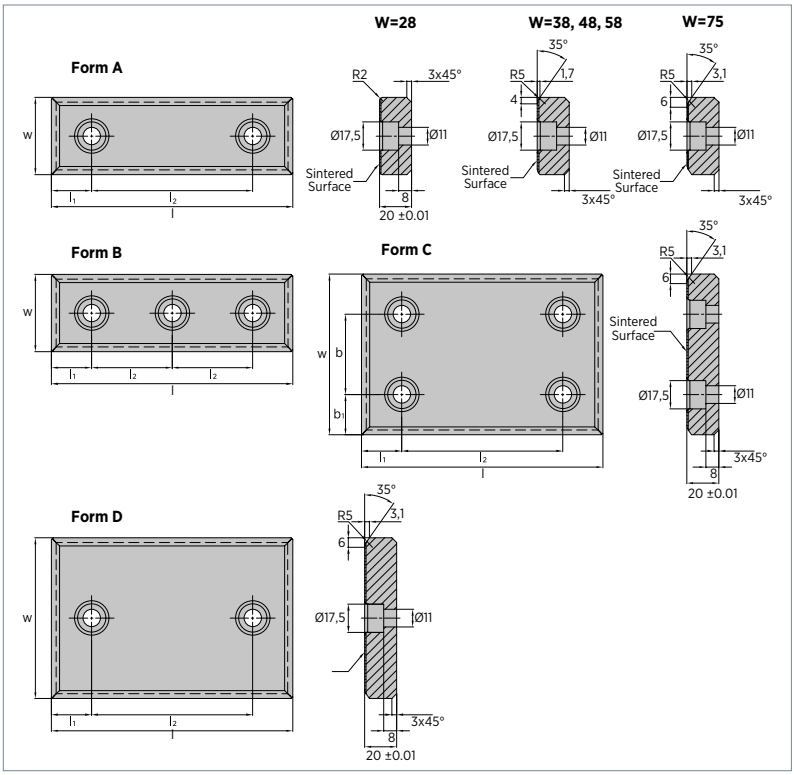
KOD / CODE / CÓDIGO	Form	w	l ±0.2	l_1 ±0.2	l_2 ±0.2
G250-01-030-080	A	30	80	30	-
G250-01-030-100	A	30	100	50	-
G250-01-030-125	A	30	125	75	-
G250-01-030-160	A	30	160	110	-
G250-01-030-200	A	30	200	150	-
G250-01-040-080	A	40	80	30	-
G250-01-040-100	A	40	100	50	-
G250-01-040-125	A	40	125	75	-
G250-01-040-160	A	40	160	110	-
G250-01-040-200	A	40	200	150	-
G250-01-050-080	A	50	80	30	-
G250-01-050-100	A	50	100	50	-
G250-01-050-125	A	50	125	75	-
G250-01-050-160	A	50	160	110	-
G250-01-050-200	A	50	200	150	-
G250-01-050-250	B	50	250	60	80
G250-01-050-300	B	50	300	80	90
G250-01-050-350	B	50	350	100	100
G250-01-050-400	B	50	400	120	110
G250-01-060-080	A	60	80	30	-
G250-01-060-100	A	60	100	50	-
G250-01-060-125	A	60	125	75	-
G250-01-060-160	A	60	160	110	-
G250-01-060-200	A	60	200	150	-
G250-01-080-080	A	80	80	30	-
G250-01-080-100	A	80	100	50	-
G250-01-080-125	A	80	125	75	-
G250-01-080-160	A	80	160	110	-
G250-01-080-200	A	80	200	150	-



Hammadde / Material :
Steel (Sintered)



KOD / CODE / CÓDIGO	Form	w	l ±0.2	l1 ±0.2	l2 ±0.2	b ±0.02	d H13	d1 H13	t
G250-02-050-080	A	50	80	25	30	-	15	9	9
G250-02-050-100	A	50	100	25	50	-	20	13.5	13
G250-02-050-125	A	50	125	25	75	-	20	13.5	13
G250-02-050-160	A	50	160	25	110	-	20	13.5	13
G250-02-050-200	A	50	200	25	150	-	20	13.5	13
G250-02-080-050	B	80	50	25	-	30	15	9	9
G250-02-080-080	A	80	80	25	30	-	20	13.5	13
G250-02-080-100	A	80	100	25	50	-	20	13.5	13
G250-02-080-125	A	80	125	25	75	-	20	13.5	13
G250-02-080-160	A	80	160	25	110	-	20	13.5	13
G250-02-080-200	A	80	200	25	150	-	20	13.5	13
G250-02-100-050	B	100	50	25	-	50	20	13.5	13
G250-02-100-080	B	100	80	40	-	50	20	13.5	13
G250-02-100-100	A	100	100	25	50	-	20	13.5	13
G250-02-100-125	A	100	125	25	75	-	20	13.5	13
G250-02-100-160	A	100	160	25	110	-	20	13.5	13
G250-02-100-200	A	100	200	25	150	-	20	13.5	13
G250-02-125-050	B	125	50	25	-	75	20	13.5	13
G250-02-125-080	B	125	80	40	-	75	20	13.5	13
G250-02-125-100	C	125	100	25	50	75	20	13.5	13
G250-02-125-125	C	125	125	25	75	75	20	13.5	13
G250-02-125-160	C	125	160	25	110	75	20	13.5	13
G250-02-125-200	C	125	200	25	150	75	20	13.5	13
G250-02-160-050	B	160	50	25	-	110	20	13.5	13
G250-02-160-080	B	160	80	40	-	110	20	13.5	13
G250-02-160-100	C	160	100	25	50	110	20	13.5	13
G250-02-160-125	C	160	125	25	75	110	20	13.5	13
G250-02-160-160	C	160	160	25	110	110	20	13.5	13
G250-02-160-200	C	160	200	25	150	110	20	13.5	13

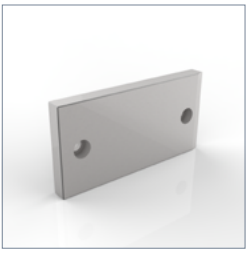




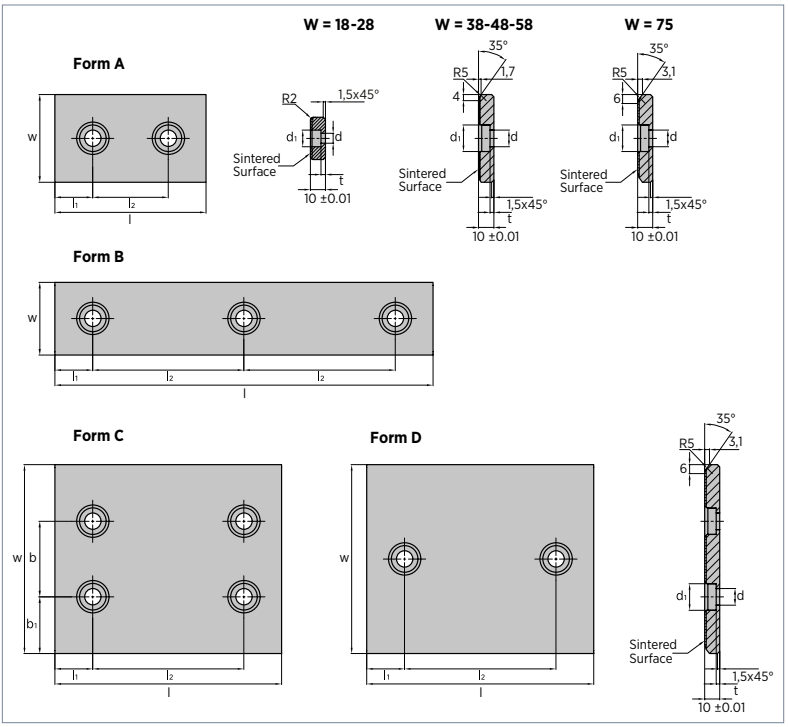
Hammadde / Material :
Steel (Sintered)

KOD / CODE / CÓDIGO	Form	w -0.1/-0.3	l -0.1/-0.3	l1	l2 ±0.2	b ±0.2	b1
G250-03-028-075	A	28	75	15	45	-	-
G250-03-028-100	A	28	100	25	50	-	-
G250-03-028-150	A	28	150	25	100	-	-
G250-03-038-075	A	38	75	15	45	-	-
G250-03-038-100	A	38	100	25	50	-	-
G250-03-038-125	A	38	125	25	75	-	-
G250-03-038-150	A	38	150	25	100	-	-
G250-03-048-075	A	48	75	15	45	-	-
G250-03-048-100	A	48	100	25	50	-	-
G250-03-048-125	A	48	125	25	75	-	-
G250-03-048-150	A	48	150	25	100	-	-
G250-03-048-200	A	48	200	50	100	-	-
G250-03-058-075	A	58	75	15	45	-	-
G250-03-058-100	A	58	100	25	50	-	-
G250-03-058-150	A	58	150	25	100	-	-
G250-03-075-075	A	75	75	25	25	-	-
G250-03-075-100	A	75	100	25	50	-	-
G250-03-075-125	A	75	125	25	75	-	-
G250-03-075-150	A	75	150	25	100	-	-
G250-03-075-200	A	75	200	25	150	-	-
G250-03-075-250	B	75	250	25	100	-	-
G250-03-100-100	C	100	100	25	50	50	25
G250-03-100-1001	D	100	100	25	50	-	-
G250-03-100-125	C	100	125	25	75	50	25

KOD / CODE / CÓDIGO	Form	w -0.1/-0.3	l -0.1/-0.3	l1	l2 ±0.2	b ±0.2	b1
G250-03-100-1251	D	100	125	25	75	-	-
G250-03-100-150	C	100	150	25	100	50	25
G250-03-100-1501	D	100	150	25	100	-	-
G250-03-100-200	C	100	200	25	150	50	25
G250-03-100-2001	D	100	200	25	150	-	-
G250-03-100-250	C	100	250	25	200	50	25
G250-03-100-2501	D	100	250	25	200	-	-
G250-03-100-300	C	100	300	50	200	50	25
G250-03-100-3001	D	100	300	50	200	-	-
G250-03-125-125	C	125	125	25	75	50	37.5
G250-03-125-1251	D	125	125	25	75	-	-
G250-03-125-150	C	125	150	25	100	50	37.5
G250-03-125-1501	D	125	150	25	100	-	-
G250-03-125-200	C	125	200	25	150	50	37.5
G250-03-125-2001	D	125	200	25	150	-	-
G250-03-125-250	C	125	250	25	200	50	37.5
G250-03-125-2501	D	125	250	25	200	-	-
G250-03-125-300	C	125	300	50	200	50	37.5
G250-03-150-150	C	150	150	25	100	100	25
G250-03-150-1501	D	150	150	25	100	-	-
G250-03-150-200	C	150	200	25	150	100	25
G250-03-150-2001	D	150	200	25	150	-	-
G250-03-150-250	C	150	250	25	200	100	25
G250-03-150-2501	D	150	250	25	200	-	-



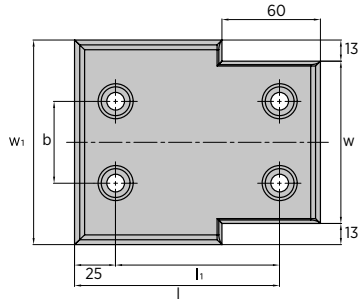
Hammadde / Material :
Steel (Sintered)

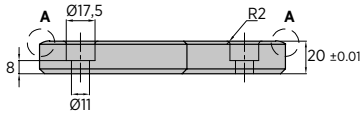


KOD / CODE / CÓDIGO	Form	w -0.1/-0.3	l -0.1/-0.3	l_1	l_2 ±0.2	b ±0.2	b_1	d	d_1	t
G250-04-018-075	A	18	75	15	45	-	-	6.6	11	3
G250-04-018-100	A	18	100	25	50	-	-	6.6	11	3
G250-04-018-125	A	18	125	25	75	-	-	6.6	11	3
G250-04-018-150	A	18	150	25	100	-	-	6.6	11	3
G250-04-028-075	A	28	75	15	45	-	-	11	17.5	2.5
G250-04-028-100	A	28	100	25	50	-	-	11	17.5	2.5
G250-04-028-125	A	28	125	25	75	-	-	11	17.5	2.5
G250-04-028-150	A	28	150	25	100	-	-	11	17.5	2.5
G250-04-038-075	A	38	75	15	45	-	-	11	17.5	2.5
G250-04-038-100	A	38	100	25	50	-	-	11	17.5	2.5
G250-04-038-125	A	38	125	25	75	-	-	11	17.5	2.5
G250-04-038-150	A	38	150	25	100	-	-	11	17.5	2.5
G250-04-048-075	A	48	75	15	45	-	-	11	17.5	2.5
G250-04-048-100	A	48	100	25	50	-	-	11	17.5	2.5
G250-04-048-125	A	48	125	25	75	-	-	11	17.5	2.5
G250-04-048-150	A	48	150	25	100	-	-	11	17.5	2.5
G250-04-048-200	A	48	200	50	100	-	-	11	17.5	2.5
G250-04-048-250	B	48	250	25	100	-	-	11	17.5	2.5
G250-04-058-075	A	58	75	15	45	-	-	11	17.5	2.5
G250-04-058-100	A	58	100	25	50	-	-	11	17.5	2.5
G250-04-058-150	A	58	150	25	100	-	-	11	17.5	2.5
G250-04-075-075	A	75	75	25	25	-	-	11	17.5	2.5
G250-04-075-100	A	75	100	25	50	-	-	11	17.5	2.5
G250-04-075-125	A	75	125	25	75	-	-	11	17.5	2.5
G250-04-075-150	A	75	150	25	100	-	-	11	17.5	2.5
G250-04-075-200	A	75	200	25	150	-	-	11	17.5	2.5
G250-04-075-250	B	75	250	25	100	-	-	11	17.5	2.5

KOD / CODE / CÓDIGO	Form	w -0.1/-0.3	l -0.1/-0.3	l_1	l_2 ±0.2	b ±0.2	b_1	d	d_1	t
G250-04-100-100	C	100	100	25	50	50	25	11	17.5	2.5
G250-04-100-1001	D	100	100	25	50	-	-	11	17.5	2.5
G250-04-100-125	C	100	125	25	75	50	25	11	17.5	2.5
G250-04-100-1251	D	100	125	25	75	-	-	11	17.5	2.5
G250-04-100-150	C	100	150	25	100	50	25	11	17.5	2.5
G250-04-100-1501	D	100	150	25	100	-	-	11	17.5	2.5
G250-04-100-200	C	100	200	25	150	50	25	11	17.5	2.5
G250-04-100-2001	D	100	200	25	150	-	-	11	17.5	2.5
G250-04-100-250	C	100	250	25	200	50	25	11	17.5	2.5
G250-04-100-2501	D	100	250	25	200	-	-	11	17.5	2.5
G250-04-100-300	C	100	300	50	200	50	25	11	17.5	2.5
G250-04-125-125	C	125	125	25	75	75	25	11	17.5	2.5
G250-04-125-1251	D	125	125	25	75	-	-	11	17.5	2.5
G250-04-125-150	C	125	150	25	100	50	37.5	11	17.5	2.5
G250-04-125-1501	D	125	150	25	100	-	-	11	17.5	2.5
G250-04-125-200	C	125	200	25	150	50	37.5	11	17.5	2.5
G250-04-125-2001	D	125	200	25	150	-	-	11	17.5	2.5
G250-04-125-250	C	125	250	25	200	50	37.5	11	17.5	2.5
G250-04-125-2501	D	125	250	25	200	-	-	11	17.5	2.5
G250-04-125-300	C	125	300	50	200	50	37.5	11	17.5	2.5
G250-04-150-150	C	150	150	25	100	100	25	11	17.5	2.5
G250-04-150-1501	D	150	150	25	100	-	-	11	17.5	2.5
G250-04-150-200	C	150	200	25	150	100	25	11	17.5	2.5
G250-04-150-2001	D	150	200	25	150	-	-	11	17.5	2.5
G250-04-150-250	C	150	250	25	200	100	25	11	17.5	2.5
G250-04-150-2501	D	150	250	25	200	-	-	11	17.5	2.5

Form - A

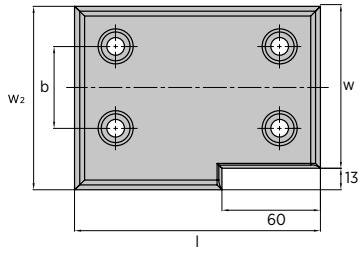




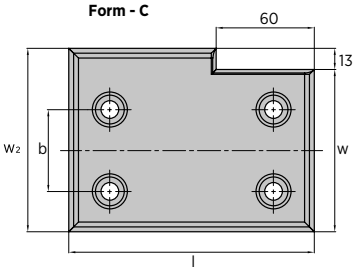
Detail A



Form - B



Form - C





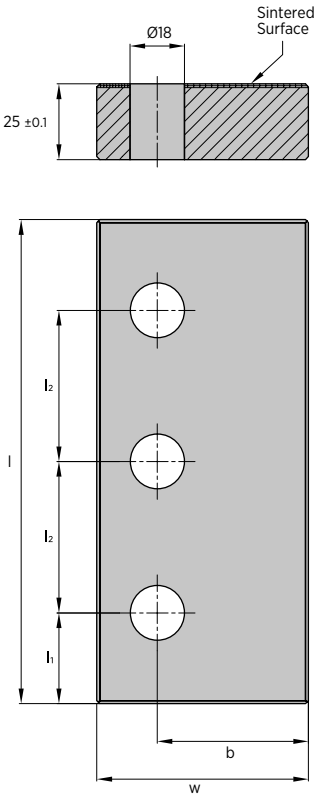
Hammadde / Material :
Steel (Sintered)

KOD / CODE / CÓDIGO	Form	w	l	w Actual	w1	w2	b ±0.2	l1 ±0.2
G250-05-075-100	A	75	100	74	100	87	40	50
G250-05-075-125	A	75	125	74	100	87	40	75
G250-05-075-150	A	75	150	74	100	87	40	100
G250-05-075-200	A	75	200	74	100	87	40	150
G250-05-075-250	A	75	250	74	100	87	40	200
G250-05-100-150	A	100	150	99	125	112	50	100
G250-05-100-200	A	100	200	99	125	112	50	150
G250-05-100-250	A	100	250	99	125	112	50	200
G250-05-125-150	A	125	150	124	150	137	90	100
G250-05-125-200	A	125	200	124	150	137	90	150
G250-05-075-1001	B	75	100	74	100	87	40	50
G250-05-075-1251	B	75	125	74	100	87	40	75
G250-05-075-1501	B	75	150	74	100	87	40	100
G250-05-075-2001	B	75	200	74	100	87	40	150
G250-05-075-2501	B	75	250	74	100	87	40	200

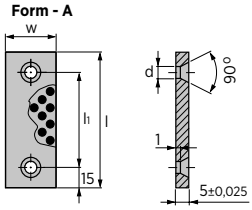
KOD / CODE / CÓDIGO	Form	w	l	w Actual	w1	w2	b ±0.2	l1 ±0.2
G250-05-100-1501	B	100	150	99	125	112	50	100
G250-05-100-2001	B	100	200	99	125	112	50	150
G250-05-100-2501	B	100	250	99	125	112	50	200
G250-05-125-1501	B	125	150	124	150	137	90	100
G250-05-125-2001	B	125	200	124	150	137	90	150
G250-05-075-1002	C	75	100	74	100	87	40	50
G250-05-075-1252	C	75	125	74	100	87	40	75
G250-05-075-1502	C	75	150	74	100	87	40	100
G250-05-075-2002	C	75	200	74	100	87	40	150
G250-05-075-2502	C	75	250	74	100	87	40	200
G250-05-100-1502	C	100	150	99	125	112	50	100
G250-05-100-2002	C	100	200	99	125	112	50	150
G250-05-100-2502	C	100	250	99	125	112	50	200
G250-05-125-1502	C	125	150	124	150	137	90	100
G250-05-125-2002	C	125	200	124	150	137	90	150

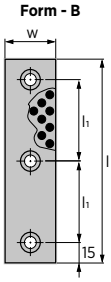


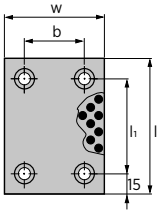
Hammadde / Material :
Steel (Sintered)

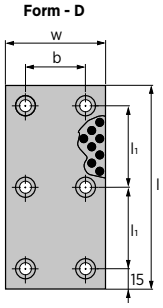


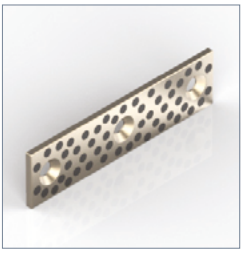
KOD / CODE / CÓDIGO	w	l	b	l_1	l_2 ±0.2
G250-06-070-160	70	160	50	30	50
G250-06-070-200	70	200	50	30	70
G250-06-070-240	70	240	50	35	85











Hammadde / Material :
Bronze + Graphite

Hardness
HB ≥ 190

KOD / CODE / CÓDIGO	Form	w	l	l1	b	d
P605-01-018-050	A	18	50	20	-	6.5
P605-01-018-075	A	18	75	45	-	6.5
P605-01-018-100	A	18	100	70	-	6.5
P605-01-018-150	B	18	150	60	-	6.5
P605-01-028-050	A	28	50	20	-	9
P605-01-028-075	A	28	75	45	-	9
P605-01-028-100	A	28	100	70	-	9
P605-01-028-150	B	28	150	60	-	9
P605-01-038-050	A	38	50	20	-	9
P605-01-038-075	A	38	75	45	-	9
P605-01-038-100	A	38	100	70	-	9
P605-01-038-150	B	38	150	60	-	9
P605-01-048-075	A	48	75	45	-	9
P605-01-048-100	A	48	100	70	-	9
P605-01-048-125	A	48	125	95	-	9
P605-01-048-150	B	48	150	60	-	9
P605-01-075-075	C	75	75	45	45	9
P605-01-075-100	C	75	100	70	45	9
P605-01-075-125	C	75	125	95	45	9
P605-01-075-150	D	75	150	60	45	9
P605-01-100-100	C	100	100	70	70	9
P605-01-100-125	C	100	125	95	70	9
P605-01-100-150	D	100	150	60	70	9

NOTLAR / NOTES / NOTAS

NOTLAR / NOTES / NOTAS

NOTLAR / NOTES / NOTAS