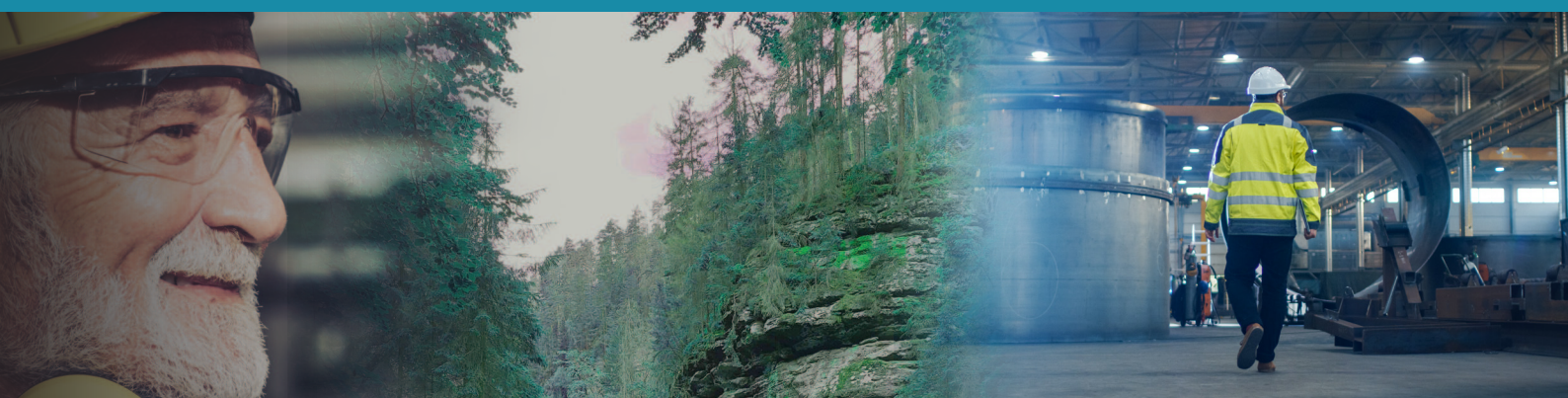


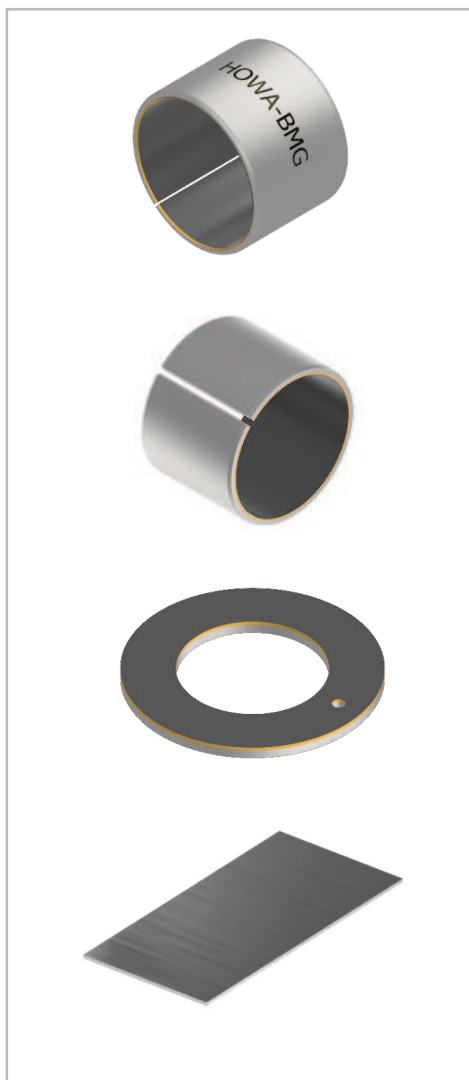


DATASHEET HOWA-BMG



Graphite Impregnated
Bronze Layer on Various
Backing Materials





FEATURES

- Self-lubricating bearing material with sintered bronze sliding layer, enriched with dispersed graphite particles
- High load carrying capacity with low friction coefficients
- Compact design (thin wall)
- Suitable for operation in (sea)-water with stainless steel backing

TYPICAL INDUSTRIES

- Hydro Turbines
- Hydromechanical
- Tire Moulding
- Metallurgy
- General Manufacturing Machines

AVAILABLE GEOMETRIES



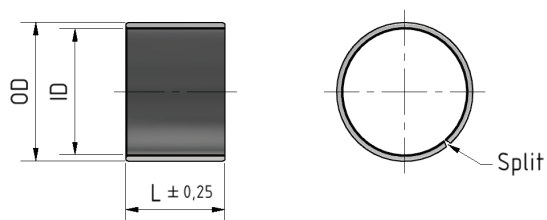
BEARING PARAMETERS

Material Grade	Compressive Strength	Load Capacity Static (max.)	Load Capacity Dynamic (max.)	Coefficient of Friction		Max. Sliding Speed	PV Value	Temperature Strain		Backing Material Options
				dry	greased			min. °C	max. °C	
BMG 508	320	280	150	0.13 - 0.22	0.10 - 0.15	0.1	0.4	-80	250	Mild Steel
BMG 512	320	280	80	0.11 - 0.20	0.10 - 0.15	0.25	0.8	-80	250	Bronze
BMG 515	300	260	100	0.10 - 0.18	0.10 - 0.15	0.5	1	-80	250	Stainless Steel

MATING COMPONENTS

Housing Bore	Tolerance	H7
	Tolerance	e7, d7
	Hardness	> HB180
	Surface Roughness	Ra 0.2 - 0.8
	Material	Corrosive Environments: 1.4057, 1.4462 Normal Environments: 1.0503 (C45), 1.7225 (42CrMo4)

STRAIGHT – TYPE BEARINGS



There are no standard sizes for Washers and Strips.
Please contact us for your requirements.

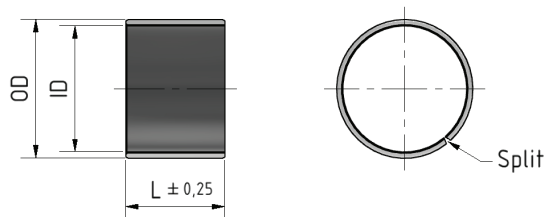
Dimension		
↓ ID	OD	↓ L
10	12	10
		15
12	14	10
		15
14	16	10
		15
		20
15	17	10
		15
		20
16	18	10
		15
		20
18	20	10
		15
		20
		25
20	23	10
		15
		20
		25
22	25	30
		15
		20
		25
24	27	15
		20
		25
		30
25	28	15
		20
		25
		30

Dimension		
↓ ID	OD	↓ L
28	32	15
		20
		25
		30
30	34	15
		20
		25
		30
32	36	20
		25
		30
		40
35	39	20
		25
		30
		40
36	40	20
		25
		30
		40
38	42	20
		25
		30
		40
40	44	50
		60
		20
		25
		30
		40

Dimension		
↓ ID	OD	↓ L
42	46	25
		30
		40
		50
		60
45	50	25
		30
		40
		50
		60
50	55	25
		30
		40
		50
		60
55	60	30
		40
		50
		60
		70
60	65	30
		40
		50
		60
		70
65	70	40
		50
		60
		70
		80
70	75	40
		50
		60
		70
		80

Dimension		
↓ ID	OD	↓ L
75	81	40
		50
		60
		70
		80
		100
80	86	40
		50
		60
		70
		80
		100
91	85	91
		60
		70
		80
		100
		120
90	96	50
		60
		70
		80
		100
		120
95	101	50
		60
		70
		80
		100
		120
100	106	140
		50
		60
		70
		80
		100

STRAIGHT – TYPE BEARINGS



There are no standard sizes for Washers and Strips.
Please contact us for your requirements.

Dimension		
↓ ID	OD	↓ L
105	111	60
		70
		80
		100
		120
		140
		150
110	116	60
		70
		80
		100
		120
		140
		150
115	121	60
		70
		80
		100
		120
		140
		150
120	126	60
		70
		80
		100
		120
		140
		150
		160
		180

Dimension		
↓ ID	OD	↓ L
125	131	70
		80
		100
		120
		140
		150
		160
130	136	180
		70
		80
		100
		120
		140
		150
135	141	160
		180
		70
		80
		100
		120
		140
140	146	150
		160
		180
		200
		70
		80
		100
		120
		140
		150
		160
		180
		200

Dimension		
↓ ID	OD	↓ L
145	151	80
		100
		120
		140
		150
		160
		180
150	156	200
		80
		100
		120
		140
		150
		160
160	166	180
		200
		80
		100
		120
		140
		150
180	186	160
		200
		100
		120
		140
		150
		160
200	206	180
		200
		100
		120
		140
		150
		160

Dimension		
↓ ID	OD	↓ L
220	226	100
		120
		140
		150
		160
		180
		200
240	246	100
		120
		140
		150
		160
		180
		200
250	260	80
		100
		120
		140
		150
		160
		180
260 to 780	ID + 10	200
		150
		160
		180
		200
800 to 1000	ID + 10	200
		220
		250