

# BIV-MET®



WRAPPED COMPOSITE SLIDING BEARING, STEEL/BRONZE,  
LUBRICATION POCKETS, LOW-MAINTENANCE



# BIV-MET®

**Wrapped composite sliding bearing steel / bronze with lubrication pockets**  
**Low-maintenance • DIN 1494 / ISO 3547**

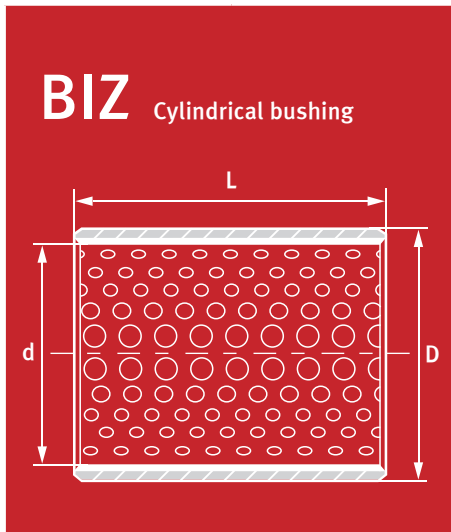
We produce all special designs at short notice! Flanged bushings, punchings and moldings are produced on customer's requirement.

BIZ Cylindrical bushing  
 BIA Thrust washer  
 BIS Strips

<b>PROPERTIES</b>	For high load capacity and oscillating movements, as well as for rough operation and temperature load. Long-run lubrication because of lubricant storages.						
<b>MATERIALS</b>	Support material Sliding layer						
<b>MATERIAL PROPERTIES</b>	Steel copper-plated / tin-plated CuPb10Sn10						
<b>MATERIAL PROPERTIES</b>	Specific load capacity static Specific load capacity dynamic Sliding speed Friction value Temperature strain Max. Pv - value Percentage contact area						
<b>TOLERANCE DETAILS</b>	<table border="0"> <tr><td>Housing - Ø</td><td>H7</td></tr> <tr><td>Bushing-inner - Ø after mounting</td><td>H9</td></tr> <tr><td>Shaft tolerance</td><td>f7</td></tr> </table>	Housing - Ø	H7	Bushing-inner - Ø after mounting	H9	Shaft tolerance	f7
Housing - Ø	H7						
Bushing-inner - Ø after mounting	H9						
Shaft tolerance	f7						
<b>SHAFT MATERIAL</b>	Steel, hardened or untempered, surface roughness $\leq R_z 6,3$						
<b>MOUNTING ADVICE</b>	Housing Shaft Force fitting mandrel						
<b>MAINTENANCE</b>	Mounting bevel, min. 1,5 mm x 15-45° Mounting bevel, 5 mm x 15°, edges rounded The application of an adequate force fitting mandrel is advisable. Grease lubrication of the outer surface may be necessary when mounting.						
<b>MAINTENANCE</b>	BIV-MET® is a low-maintenance composite sliding bearing, but primary lubrication is necessary. Oil or grease lubrication is possible. Due to solid lubricant storages lubrication clearances are reduced to a minimum!						

**Additional lubrication slots or lubrication drills are available on demand!**  
 Cylindrical bushings, thrust washer and strips are standard fabrication.

# BIZ

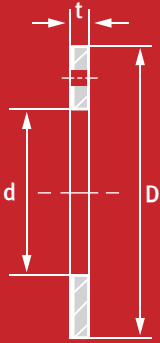


Art. Nr.	d / D x L
BIZ 1010	10/12x10
BIZ 1015	10/12x15
BIZ 1020	10/12x20
BIZ 1210	12/14x10
BIZ 1215	12/14x15
BIZ 1220	12/14x20
BIZ 1410	14/16x10
BIZ 1415	14/16x15
BIZ 1420	14/16x20
BIZ 1510	15/17x10
BIZ 1515	15/17x15
BIZ 1520	15/17x20
BIZ 1610	16/18x10
BIZ 1615	16/18x15
BIZ 1620	16/18x20
BIZ 1810	18/20x10
BIZ 1815	18/20x15
BIZ 1820	18/20x20
BIZ 1825	18/20x25
BIZ 2010	20/23x10
BIZ 2015	20/23x15
BIZ 2020	20/23x20
BIZ 2025	20/23x25
BIZ 2210	22/25x10
BIZ 2215	22/25x15
BIZ 2220	22/25x20
BIZ 2225	22/25x25
BIZ 2410	24/27x10
BIZ 2415	24/27x15
BIZ 2420	24/27x20
BIZ 2430	24/27x30
BIZ 2515	25/28x15
BIZ 2520	25/28x20
BIZ 2525	25/28x25
BIZ 2530	25/28x30
BIZ 2615	26/30x15
BIZ 2620	26/30x20
BIZ 2625	26/30x25
BIZ 2630	26/30x30
BIZ 2815	28/32x15
BIZ 2820	28/32x20
BIZ 2825	28/32x25
BIZ 2830	28/32x30
BIZ 2840	28/32x40

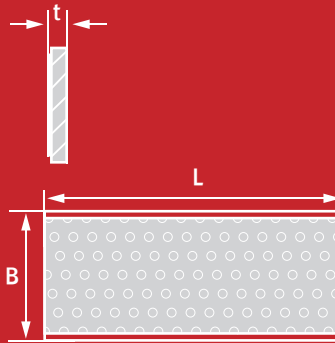
Art. Nr.	d / D x L	Art. Nr.	d / D x L
BIZ 3015	30/34x15	BIZ 9060	90/95x60
BIZ 3020	30/34x20	BIZ 9080	90/95x80
BIZ 3025	30/34x25	BIZ 9550	95/100x50
BIZ 3030	30/34x30	BIZ 9560	95/100x60
BIZ 3040	30/34x40	BIZ 9580	95/100x80
BIZ 3215	32/36x15	BIZ 9590	95/100x90
BIZ 3220	32/36x20	BIZ 10050	100/105x50
BIZ 3225	32/36x25	BIZ 10060	100/105x60
BIZ 3230	32/36x30	BIZ 10080	100/105x80
BIZ 3240	32/36x40	BIZ 10090	100/105x90
BIZ 3520	35/39x20	BIZ 10550	105/110x50
BIZ 3525	35/39x25	BIZ 10560	105/110x60
BIZ 3530	35/39x30	BIZ 10580	105/110x80
BIZ 3540	35/39x40	BIZ 11050	110/115x50
BIZ 3550	35/39x50	BIZ 11060	110/115x60
BIZ 3820	38/42x20	BIZ 11080	110/115x80
BIZ 3825	38/42x25	BIZ 11550	115/120x50
BIZ 3830	38/42x30	BIZ 11560	115/120x60
BIZ 3840	38/42x40	BIZ 11580	115/120x80
BIZ 3850	38/42x50	BIZ 12050	120/125x50
BIZ 4020	40/44x20	BIZ 12060	120/125x60
BIZ 4025	40/44x25	BIZ 12080	120/125x80
BIZ 4030	40/44x30	BIZ 12550	125/130x50
BIZ 4040	40/44x40	BIZ 12560	125/130x60
BIZ 4050	40/44x50	BIZ 12580	125/130x80
BIZ 4520	45/50x20	BIZ 125100	125/130x100
BIZ 4525	45/50x25	BIZ 13060	130/135x60
BIZ 4530	45/50x30	BIZ 13080	130/135x80
BIZ 4540	45/50x40	BIZ 130100	130/135x100
BIZ 4550	45/50x50	BIZ 13560	135/140x60
BIZ 5030	50/55x30	BIZ 13580	135/140x80
BIZ 5040	50/55x40	BIZ 135100	135/140x100
BIZ 5050	50/55x50	BIZ 14060	140/145x60
BIZ 5060	50/55x60	BIZ 14080	140/145x80
BIZ 5530	55/60x30	BIZ 140100	140/145x100
BIZ 5540	55/60x40	BIZ 14560	145/150x60
BIZ 5550	55/60x50	BIZ 14580	145/150x80
BIZ 5560	55/60x60	BIZ 145100	145/150x100
BIZ 6030	60/65x30	BIZ 15060	150/155x60
BIZ 6050	60/65x50	BIZ 15080	150/155x80
BIZ 6060	60/65x60	BIZ 15090	150/155x90
BIZ 6530	65/70x30	BIZ 15560	155/160x60
BIZ 6540	65/70x40	BIZ 15580	155/160x80
BIZ 6550	65/70x50	BIZ 15590	155/160x90
BIZ 6560	65/70x60	BIZ 16060	160/165x60
BIZ 7030	70/75x30	BIZ 16080	160/165x80
BIZ 7040	70/75x40	BIZ 160100	160/165x100
BIZ 7050	70/75x50	BIZ 16560	165/170x60
BIZ 7060	70/75x60	BIZ 16580	165/170x80
BIZ 7080	70/75x80	BIZ 165100	165/170x100
BIZ 7530	75/80x30	BIZ 17060	170/175x60
BIZ 7540	75/80x40	BIZ 17080	170/175x80
BIZ 7550	75/80x50	BIZ 170100	170/175x100
BIZ 7560	75/80x60	BIZ 17560	175/180x60
BIZ 8040	80/85x40	BIZ 17580	175/180x80
BIZ 8050	80/85x50	BIZ 175100	175/180x100
BIZ 8060	80/85x60		
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BIZ 8540	85/90x40		
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BIZ 8560	85/90x60		
BIZ 8580	85/90x80		
BIZ 9040	90/95x40		
BIZ 9050	90/95x50		

# BIA, BIS

## BIA Thrust washer



## BIS Strips



Art.- Nr.	d / D x L	Art. Nr.	B x L x t
BIA 10/1	10/20x1,5	BIS 10240	245 x 500 x 1,0
BIA 12/1	12/24x1,5	BIS 15240	245 x 500 x 1,5
BIA 14/1	14/26x1,5	BIS 20240	245 x 500 x 2,0
BIA 16/1	16/30x1,5	BIS 25240	245 x 500 x 2,5
BIA 18/1	18/32x1,5	BIS 30240	245 x 500 x 3,0
BIA 20/1	20/36x1,5		
BIA 22/1	22/38x1,5		
BIA 24/1	24/42x1,5		
BIA 26/1	26/44x1,5		
BIA 28/1	28/48x1,5		
BIA 32/1	32/54x1,5		
BIA 38/1	38/62x1,5		
BIA 42/1	42/66x1,5		
BIA 48/2	48/74x2		
BIA 52/2	52/78x2		
BIA 62/2	62/90x2		