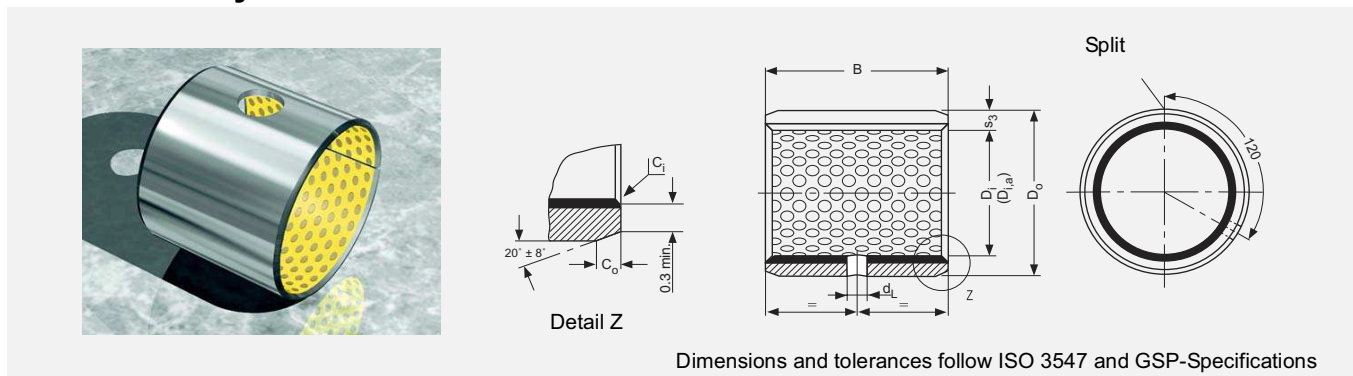


10 Standard Products

10.1 PM-DX cylindrical bushes



Dimensions and tolerances follow ISO 3547 and GSP-Specifications

All dimensions in mm

ID and OD chamfers

s_3	C_o	C_i	s_3	C_o	C_i
1	0.6 ± 0.4	-0.1 to -0.5	2	1.2 ± 0.4	-0.1 to -0.7
1.5	0.6 ± 0.4	-0.1 to -0.7	2.5	1.6 ± 0.8	-0.2 to -1.0

* alternatively rounded

Part No.	Nominal size		Width B	Wall thickness s_3	Shaft- ϕ D_J [h8]	Housing- ϕ D_H [H7]	Bush i- ϕ $D_{i,a}$ assembled in [H7] housing	Clearance C_D	Oil hole - ϕ d_L	
	D_i	D_o								max. min.
PM 0808 DX	8	10	8.25	0.980 0.955	8.000 7.978	10.015 10.000	8.105 8.040	0.127 0.040	No hole	
PM 0810 DX			7.75							10.25
PM 0812 DX			9.75							12.25
PM 1010 DX	10	12	11.75		10.000 9.978	12.018 12.000	10.108 10.040	0.130 0.040	3	
PM 1012 DX			9.75							12.25
PM 1015 DX			11.75						15.25	4
PM 1020 DX			14.75						20.25	
PM 1210 DX	12	14	19.75		12.000 11.973	14.018 14.000	12.108 12.040	0.135 0.040	3	
PM 1212 DX			9.75							12.25
PM 1215 DX			11.75							15.25
PM 1220 DX			14.75						20.25	
PM 1225 DX			19.75						25.25	
PM 1415 DX	14	16	24.75		14.000 13.973	16.018 16.000	14.108 14.040	0.135 0.040	4	
PM 1420 DX			14.75							20.25
PM 1425 DX			19.75							25.25
PM 1510 DX	15	17	24.75		15.000 14.973	17.018 17.000	15.108 15.040	0.135 0.040	3	
PM 1512 DX			11.75	12.25						4

10 Standard Products

Part No.	Nominal size		Width B	Wall thickness s_3	Shaft- \emptyset D_J [h8]	Housing- \emptyset D_H [H7]	Bush i- \emptyset $D_{i,a}$ assembled in [H7] housing	Clearance C_D	Oil hole - \emptyset d_L				
	D_i	D_o								max. min.	max. min.	max. min.	max. min.
PM 1515 DX	15	17	15.25	0.980 0.955	15.000	17.018	15.108	0.135 0.040	4				
PM 1525 DX			14.75							14.973	15.040		
PM 1615 DX	16	18	25.25		16.000	18.018	16.108			0.138 0.040			
PM 1620 DX			14.75								15.973	16.040	
PM 1625 DX			20.25								18.000	16.040	
PM 1815 DX	18	20	19.75		18.000	20.021	18.111			0.138 0.040			
PM 1820 DX			25.25								20.000	18.040	
PM 1825 DX			24.75								20.000	18.040	
PM 2010 DX	20	23	10.25		1.475 1.445	20.000	23.021			20.131	0.164 0.050		
PM 2015 DX			9.75									19.967	20.050
PM 2020 DX			15.25									23.000	20.131
PM 2025 DX			14.75									23.000	20.050
PM 2030 DX			20.25	23.000				20.050					
PM 2215 DX	22	25	24.75	22.000		25.021	22.131	0.164 0.050					
PM 2220 DX			15.25						25.000	22.050			
PM 2225 DX			14.75						25.000	22.050			
PM 2230 DX			20.25						25.000	22.050			
PM 2415 DX	24	27	19.75	24.000		27.021	24.131	0.168 0.050					
PM 2420 DX			25.25						27.000	24.050			
PM 2425 DX			24.75						27.000	24.050			
PM 2430 DX			30.25						27.000	24.050			
PM 2515 DX	25	28	29.75	25.000		28.021	25.131	0.188 0.060					
PM 2520 DX			15.25						28.000	25.050			
PM 2525 DX			14.75		28.000				25.050				
PM 2530 DX			20.25		28.000				25.050				
PM 283130 DX	28	31	30.25	28.000	31.025	28.135	0.188 0.060						
PM 2820 DX		29.75	31.000		28.050								
PM 2825 DX	28	32	20.25	28.000	32.025	28.155	0.188 0.060						
PM 2830 DX			19.75					32.000	28.060				
PM 3020 Dx	30	34	25.25	30.000	34.025	30.155	0.188 0.060						
PM 3030 DX			24.75					34.000	30.060				
PM 3040 DX			30.25					34.000	30.060				
			39.75										

Part No.	Nominal size		Width B	Wall thickness S_3	Shaft- ϕ D_J [h8]	Housing- ϕ D_H [H7]	Bush i- ϕ $D_{i,a}$ assembled in [H7] housing	Clearance C_D	Oil hole - ϕ d_L									
	D_I	D_o	max. min.	max. min.	max. min.	max. min.	max. min.	max. min.										
PM 3220 DX	32	36	20.25	1.970 1.935	32.000	36.025	32.155	0.194 0.060	6									
PM 3230 DX			19.75							30.25	32.060							
PM 3235 DX			29.75							35.25								
PM 3240 DX			34.75							40.25								
PM 3520 DX	35	39	20.25		1.970 1.935	35.000	39.025			35.155	0.194 0.060	6						
PM 3530 DX			19.75										30.25	35.060				
PM 3535 DX			29.75										35.25					
PM 3550 DX			34.75										50.25					
PM 3635 DX	36	40	35.25			1.970 1.935	36.000			40.025			36.155	0.194 0.060	6			
PM 3720 DX	37	41	34.75				35.961			40.000			36.060					
PM 4020 DX	40	44	20.25				1.970 1.935			40.000			44.025			40.155	0.194 0.060	6
PM 4030 DX			19.75															
PM 4040 DX			29.75	40.25														
PM 4050 DX			39.75	50.25														
PM 4520 DX	45	50	20.25	1.970 1.935				45.000	50.025	45.195			0.234 0.080			8		
PM 4530 DX			19.75															
PM 4540 DX			29.75		40.25													
PM 4545 DX			39.75		45.25													
PM 5040 DX	50	55	40.25		1.970 1.935			50.000	55.030	50.200	0.239 0.080	8						
PM 5050 DX			39.75															
PM 5060 DX			49.75			60.25												
PM 5520 DX			59.75			20.25												
PM 5525 DX	55	60	19.75			2.460 2.415	55.000	60.030	55.200	0.246 0.080				8				
PM 5530 DX			24.75												25.25		55.080	
PM 5540 DX			29.75												30.25			
PM 5550 DX			39.75												40.25			
PM 6030 DX	60	65	30.25	2.460 2.415			60.000	65.030	60.200				0.246 0.080		8			
PM 6040 DX			29.75													40.25	60.080	
PM 6060 DX			39.75													60.25		
PM 6070 DX			49.75													70.25		

10 Standard Products

Part No.	Nominal size		Width B	Wall thickness s_3	Shaft- ϕ D_J [h8]	Housing- ϕ D_H [H7]	Bush i- ϕ $D_{i,a}$ assembled in [H7] housing	Clearance C_D	Oil hole - ϕ d_L	
	D_i	D_o								max. min.
PM 6540 DX	65	70	40.25	2.450 2.384	65.000 64.954	70.030 70.000	65.262 65.100	0.308 0.100	8	
PM 6550 DX			39.75							50.25
PM 6560 DX			49.75							60.25
PM 6570 DX			59.75							70.25
PM 7040 DX	70	75	40.25		70.000 69.954	75.030 75.000	70.262 70.100			
PM 7050 DX			39.75							50.25
PM 7065 DX			49.75							65.25
PM 7070 DX			64.75							70.25
PM 7080 DX	69.75	80.25								
PM 7540 DX	75	80	40.25		75.000 74.954	80.030 80.000	75.262 75.100			
PM 7560 DX			39.75					60.25		
PM 7580 DX			59.75					80.25		
PM 8040 DX	80	85	40.50		80.000 79.954	85.035 85.000	80.267 80.100	0.313 0.100		
PM 8060 DX			39.50							60.50
PM 8080 DX			59.50							80.50
PM 80100 DX			79.50							100.50
PM 8530 DX	85	90	99.50		85.000 84.946	90.035 90.000	85.267 85.100			
PM 8540 DX			30.50					60.50		
PM 8560 DX			29.50					80.50		
PM 8580 DX			39.50					90.50		
PM 85100 DX			59.50	100.50						
PM 9040 DX	90	95	99.50	90.000 89.946	95.035 95.000	90.267 90.100	0.321 0.100			
PM 9060 DX			40.50					60.50		
PM 9080 DX			39.50					80.50		
PM 9090 DX			59.50					90.50		
PM 90100 DX			79.50					100.50		
PM 9560 DX			95					100	99.50	95.000 94.946
PM 95100 DX	60.50	100.50								

Part No.	Nominal size		Width B		Wall thickness S_3	Shaft- ϕ D_J [h8]	Housing- ϕ D_H [H7]	Bush i- ϕ $D_{i,a}$ assembled in [H7] housing	Clearance C_D	Oil hole - ϕ d_L
	D_i	D_o	max. min.	max. min.	max. min.	max. min.	max. min.	max. min.		
PM 10050 DX	100	105	50.50	2.450	2.384	100.000	105.035	100.267	0.321	9.5
PM 10060 DX			49.50							
PM 10080 DX			60.50							
PM 10095 DX			59.50							
PM 100115DX			80.50							
PM 10560 DX	105	110	79.50	2.435	105.000	110.035	105.267	0.100	-	
PM 105110 DX			95.50							
PM 105115 DX			94.50							
PM 11060 DX	110	115	115.50	2.384	110.000	115.035	110.267	0.326	-	
PM 110110 DX			114.50							
PM 110115 DX			60.50							
PM 11550 DX	115	120	59.50	2.435	115.000	120.035	115.267	0.130	-	
PM 11570 DX			110.50							
PM 12060 DX			109.50							
PM 120100 DX	120	125	100.50	2.380	120.000	125.040	120.272	0.335	-	
PM 120110 DX			99.50							
PM 12560 DX			110.50							
PM 125100 DX	125	130	109.50	2.435	125.000	130.040	125.272	0.100	-	
PM 125110 DX			100.50							
PM 13050 DX			99.50							
PM 13060 DX	130	135	60.50	2.380	130.000	135.040	130.280	0.343	-	
PM 13080 DX			59.50							
PM 130100 DX			80.50							
PM 13560 DX			79.50							
PM 13580 DX	135	140	100.50	2.435	135.000	140.040	135.130	0.130	-	
PM 14050 DX			99.50							
PM 14060 DX	140	145	60.50	2.380	140.000	145.040	140.280	0.130	-	
PM 14080 DX			59.50							
PM 140100 DX			80.50							
PM 15050 DX			79.50							
PM 15060 DX	150	155	100.50	2.435	150.000	155.040	150.280	0.130	-	
PM 15080 DX			99.50							
PM 150100 DX			60.50							
			59.50							

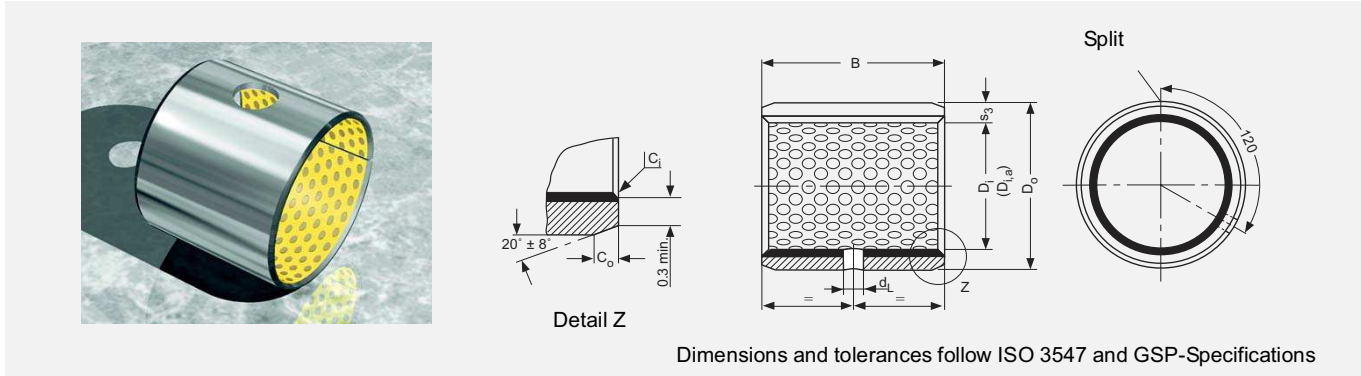
10 Standard Products

Part No.	Nominal size		Width B	Wall thickness s_3	Shaft- ϕ D_J [h8]	Housing- ϕ D_H [H7]	Bush i- ϕ $D_{i,a}$ assembled in [H7] housing	Clearance C_D	Oil hole - ϕ d_L	
	D_i	D_o								max. min.
PM 16050 DX	160	165	50.50	2.435 2.380	160.000 159.937	165.040 165.000	160.280 160.130	0.343 0.130		
PM 16060 DX			49.50							
PM16080 DX			60.50							
PM 160100 DX			59.50							
PM 17050 DX	170	175	80.50		170.000 169.937	175.040 175.000	170.280 170.130			
PM 17060 DX			79.50							
PM 17080 DX			100.50							
PM 170100 DX			99.50							
PM 18050 DX	180	185	50.50		180.000 179.937	185.046 185.000	180.286 180.130			0.349 0.130
PM 18060 DX			49.50							
PM 18080 DX			60.50							
PM 180100 DX			59.50							
PM 19050 DX	190	195	80.50		190.000 189.928	195.046 195.000	190.286 190.130			
PM 19060 DX			79.50							
PM 19080 DX			100.50							
PM 190100 DX			99.50							
PM 190120 DX			120.50							
PM 190120 DX			19.50							
PM 20050 DX	200	205	50.50		200.000 199.928	205.046 205.000	200.286 200.130	0.358 0.130		
PM 20060 DX			49.50							
PM 20080 DX			60.50							
PM 200100 DX			59.50							
PM 200120 DX			80.50							
PM 200120 DX			79.50							
PM 200120 DX			100.50							
PM 200120 DX			99.50							
PM 200120 DX			120.50							
PM 200120 DX			119.50							
PM 22050 DX	220	225	50.50	220.000 219.928	225.046 225.000	220.286 220.130				
PM 22060 DX			49.50							
PM 22080 DX			60.50							
PM 220100 DX			59.50							
PM 220120 DX			80.50							
PM 220120 DX			79.50							
PM 220120 DX			100.50							
PM 220120 DX			99.50							
PM 220120 DX			120.50							
PM 220120 DX			119.50							
PM 24050 DX	240	245	50.50	240.000 239.928	245.046 245.000	240.286 240.130				
PM 24060 DX			49.50							
PM 24080 DX			60.50							
PM 240100 DX			59.50							
PM 240120 DX			80.50							
PM 240120 DX			79.50							
PM 240120 DX			100.50							
PM 240120 DX			99.50							
PM 240120 DX			120.50							
PM 240120 DX			119.50							

Part No.	Nominal size		Width B		Wall thickness s_3	Shaft- ϕ D_J [h8]	Housing- ϕ D_H [H7]	Bush i- ϕ $D_{i,a}$ assembled in [H7] housing	Clearance C_D	Oil hole - ϕ d_L
	D_i	D_o	max. min.	max. min.						
PM 25050 DX	250	255	50.50	2.435	2.380	250.000	255.052	250.292	0.364	
PM 25060 DX			49.50							
PM 25080 DX			60.50							
PM 250100 DX			59.50							
PM 250120 DX			80.50							
PM 26050 DX	260	265	79.50	2.435	2.380	260.000	265.052	260.292	0.364	
PM 26060 DX			49.50							
PM 26080 DX			60.50							
PM 260100 DX			59.50							
PM 260120 DX			80.50							
PM 28050 DX	280	285	79.50	2.435	2.380	280.000	285.052	280.292	0.373	
PM 28060 DX			49.50							
PM 28080 DX			60.50							
PM 280100 DX			59.50							
PM 280120 DX			80.50							
PM 30050 DX	300	305	79.50	2.435	2.380	300.000	305.052	300.292	0.373	
PM 30060 DX			49.50							
PM 30080 DX			60.50							
PM 300100 DX			59.50							
PM 300120 DX			80.50							

10 Standard Products

10.2MB-DX cylindrical bushes



Dimensions and tolerances follow ISO 3547 and GSP-Specifications

All dimensions in mm

ID and OD chamfers

s_3	C_o	C_i	s_3	C_o	C_i
1	0.6 ± 0.4	-0.1 to -0.5	2	1.2 ± 0.4	-0.1 to -0.7
1.5	0.6 ± 0.4	-0.1 to -0.7	2.5	1.6 ± 0.8	-0.2 to -1.0

* alternatively rounded

Part No.	Nominal size		Width B	Wall thickness s_3	Shaft- \varnothing D_J [d8]	Housing- \varnothing D_H [H7]	Bush i- \varnothing $D_{i,a,m}$ machined to [H7]	Clearance C_D	Oil hole - \varnothing d_L
	D_i	D_o							
MB 0808 DX	8	10	8.25	1.108 1.082	7.960 7.938	10.015 10.000	8.015 8.000	0.077 0.040	No hole
MB 0810 DX			10.25						
MB 0812 DX			12.25						
MB 1010 DX	10	12	10.25		9.950 9.923	12.018 12.000	10.018 10.000	0.080 0.040	3
MB 1012 DX			12.25						
MB 1015 DX			15.25						
MB 1020 DX			20.25						
MB 1210 DX	12	14	10.25		11.950 11.923	14.018 14.000	12.018 12.000	0.095 0.050	3
MB 1212 DX			12.25						
MB 1215 DX			15.25						
MB 1220 DX			20.25						
MB 1225 DX			25.25						
MB 1415 DX	14	16	15.25		13.950 13.923	16.018 16.000	14.018 14.000	0.095 0.050	4
MB 1420 DX			20.25						
MB 1425 DX			25.25						
MB 1510 DX	15	17	10.25	14.950 14.923	17.018 17.000	15.018 15.000	0.095 0.050	3	
MB 1512 DX			12.25						
MB 1515 DX			15.25						
MB 1525 DX			25.25						

Part No.	Nominal size		Width B	Wall thickness s_3	Shaft- ϕ D_J [d8]	Housing- ϕ D_H [H7]	Bush i- ϕ $D_{i,a,m}$ machined to [H7]	Clearance C_D	Oil hole - ϕ d_L		
	D_i	D_o	max. min.	max. min.	max. min.	max. min.	max. min.	max. min.			
MB 1615 DX	16	18	15.25	1.108 1.082	15.950 15.923	18.018 18.000	16.018 16.000	0.095 0.050	4		
MB 1620 DX			14.75							20.25	
MB 1625 DX			19.75							25.25	
MB 1815 DX	18	20	24.75		15.25	17.950 17.923	20.021 20.000			18.018 18.000	
MB 1820 DX			14.75		20.25						
MB 1825 DX			19.75		25.25						
MB 2010 DX	20	23	24.75	1.608 1.576	19.935 19.902	23.021 23.000	20.021 20.000	0.119 0.065			
MB 2015 DX			10.25							30.25	
MB 2020 DX			9.75							29.75	
MB 2025 DX			15.25							30.25	
MB 2030 DX			14.75							29.75	
MB 2215 DX	22	25	15.25		1.608 1.576	21.935 21.902	25.021 25.000			22.021 22.000	6
MB 2220 DX			14.75						30.25		
MB 2225 DX			19.75						29.75		
MB 2230 DX			24.75						30.25		
MB 2415 DX	24	27	14.75			1.608 1.576	23.935 23.902		27.021 27.000	24.021 24.000	
MB 2420 DX			20.25								
MB 2425 DX			19.75		29.75						
MB 2430 DX			25.25	30.25							
MB 2515 DX	25	28	24.75	1.608 1.576	24.935 24.902		28.021 28.000	25.021 25.000			
MB 2520 DX			15.25						30.25		
MB 2525 DX			14.75			29.75					
MB 2530 DX			19.75			30.25					
MB 2820 DX	28	32	24.75		2.108 2.072	27.935 27.902	32.025 32.000	28.021 28.000	6		
MB 2825 DX			20.25							30.25	
MB 2830 DX			19.75	29.75							
MB 3020 Dx			24.75	30.25							
MB 3030 DX	30	34	29.75	2.108 2.072		30.000 29.967	34.025 34.000	30.021 30.000			
MB 3040 DX			40.25							30.25	
			39.75		29.75						

10 Standard Products

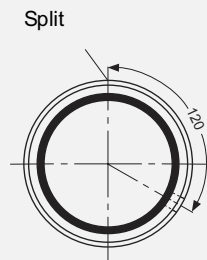
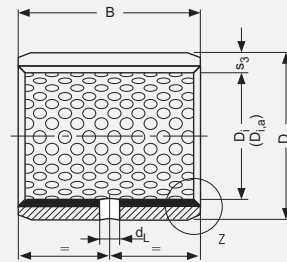
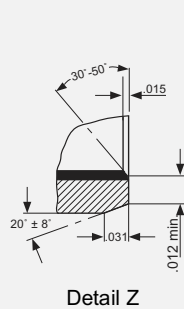
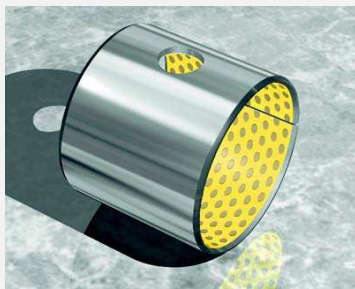
Part No.	Nominal size		Width B	Wall thickness s_3	Shaft- \varnothing D_J [d8]	Housing- \varnothing D_H [H7]	Bush i- \varnothing $D_{i,a,m}$ machined to [H7]	Clearance C_D	Oil hole - \varnothing d_L									
	D_i	D_o								max. min.	max. min.	max. min.	max. min.	max. min.				
MB 3220 DX	32	36	20.25	2.108 2.072	31.920 31.881	36.025 36.000	32.025 32.000	0.144 0.080	6									
MB 3230 DX			19.75							30.25								
MB 3235 DX			29.75							35.25								
MB 3240 DX			34.75							40.25								
MB 3520 DX	35	39	20.25		2.108 2.072	34.920 34.881	39.025 39.000			35.025 35.000	0.144 0.080	6						
MB 3530 DX			19.75										30.25					
MB 3550 DX			29.75										50.25					
MB 3720 DX	37	41	49.75			2.108 2.072	36.920 36.881			41.025 41.000			37.025 37.000	0.144 0.080	6			
MB 4020 DX			20.25													39.920 39.881	44.025 44.000	40.025 40.000
MB 4030 DX			19.75															
MB 4040 DX			30.25															
MB 4050 DX	29.75																	
MB 4520 DX	45	50	40.25	2.634 2.588			44.920 44.881	50.025 50.000	45.025 45.000	0.176 0.100			8					
MB 4530 DX			19.75															
MB 4540 DX			30.25															
MB 4545 DX			29.75															
MB 4550 DX			45.25															
MB 5040 DX	50	55	44.75		2.634 2.588		49.920 49.881	55.030 55.000	50.025 50.000		0.176 0.100	8						
MB 5060 DX			49.75															
MB 5520 DX			60.25															
MB 5525 DX	55	60	59.75			2.634 2.588	54.900 54.854	60.030 60.000	55.030 55.000					0.176 0.100	8			
MB 5530 DX			20.25															
MB 5540 DX			19.75															
MB 5550 DX			25.25															
MB 5560 DX			24.75															
MB 6030 DX	60	65	30.25	2.634 2.588			59.900 59.854	65.030 65.000	60.030 60.000	0.176 0.100			8					
MB 6040 DX			29.75															
MB 6060 DX			40.25															
MB 6070 DX			39.75															
			60.25															
	59.75																	
	70.25																	
	69.75																	

Part No.	Nominal size		Width B		Wall thickness S_3	Shaft- ϕ D_J [d8]	Housing- ϕ D_H [H7]	Bush i- ϕ $D_{i,a,m}$ machined to [H7]	Clearance C_D	Oil hole - ϕ d_L
	D_I	D_o	max. min.	max. min.	max. min.	max. min.	max. min.	max. min.		
MB 6540 DX	65	70	40.25	2.634	2.568	64.900	70.030	65.030	0.176 0.100	8
MB 6550 DX			39.75							
MB 6560 DX			50.25							
MB 6570 DX			49.75							
MB 7040 DX	70	75	60.25							
MB 7050 DX			59.75							
MB 7065 DX			70.25							
MB 7070 DX			69.75							
MB 7080 DX	75	80	80.25							
MB 7540 DX			79.75							
MB 7560 DX			40.25							
MB 7580 DX			39.75							
MB 8040 DX	80	85	60.25							
MB 8060 DX			59.75							
MB 8080 DX			80.25							
MB 80100 DX			79.75							
MB 8530 DX	85	90	100.50							
MB 8540 DX			99.50							
MB 8560 DX			30.50							
MB 8580 DX			29.50							
MB 85100 DX	90	95	40.50							
MB 9040 DX			39.50							
MB 9060 DX			60.50							
MB 9090 DX			59.50							
MB 90100 DX	95	100	90.50							
MB 9560 DX			89.50							
MB 95100 DX			100.50							
MB 10050 DX			99.50							
MB 10060 DX	100	105	60.50							
MB 10080 DX			59.50							
MB 10095 DX			80.50							
MB 100115DX			79.50							
			95.50							
	94.50									
	115.50									
	114.50									

10 Standard Products

Part No.	Nominal size		Width B	Wall thickness s_3	Shaft- \emptyset D_J [d8]	Housing- \emptyset D_H [H7]	Bush i- \emptyset $D_{i,a,m}$ machined to [H7]	Clearance C_D	Oil hole - \emptyset d_L			
	D_i	D_o								max. min.	max. min.	max. min.
MB 10560 DX	105	110	60.50	2.634 2.568	104.880 104.826	110.035 110.000	105.035 105.000	0.209 0.120	9.5			
MB 105110 DX			59.50							110.50		
MB 105115 DX			109.50							115.50		
MB 11060 DX	110	115	114.50		60.50	109.880 109.826	115.035 115.000			110.035 105.000		
MB 110115 DX			59.50		115.50							
MB 11550 DX			114.50		120						50.50	114.880 114.826
MB 11570 DX	49.50	70.50										
MB 12060 DX	69.95	125	60.50		119.880 119.826	125.040 125.000	120.035 120.000					
MB 120100 DX	59.50	100.50										
MB 125100 DX	99.50	130	100.50							124.855 124.792	130.040 130.000	125.040 125.000
MB 13050 DX	99.50	135	50.50		129.855 129.792	135.040 135.000	130.040 130.000					
MB 13060 DX	49.50		60.50									
MB 130100 DX	59.50		100.50									
MB 13560 DX	135	140	99.50		2.619 2.564	134.855 134.792	140.040 140.000			135.040 135.000	0.248 0.145	-
MB 13580 DX			60.50									
MB 14060 DX			59.50	79.50								
MB 140100 DX	140	145	60.50	139.855 139.792		145.040 145.000	140.040 140.000					
MB 15060 DX			59.50					100.50				
MB 15080 DX			99.50					150	80.50	149.855 149.792		
MB 150100 DX	79.50	100.50										
	99.50											

10.3Inch DX cylindrical bushes



All dimensions in inch

Part Nr.	Nominal size		Wall thick-ness s_3	Width B $\pm 0.010^{**}$		Housing- ϕ D_H	Shaft- ϕ D_J	Bush i- ϕ $D_{i,a}$ as supplied	Shaft for machined bush i- ϕ $D_{J,m}$	Bush i- ϕ $D_{i,a}$ machined to [H7]	Oil hole- ϕ d_L	Running Clearance C_D as supplied	Running Clearance C_D machined
	D_i	D_o		max. min.	max. min.							max. min.	max. min.
06DX06	$3/8$	$15/32$	0.0510 0.0500	0.385	0.4694 0.4687	0.3648 0.3639	0.3694 0.3667	0.3734 0.3725	0.3756 0.3750	No hole	0.0055 0.0019	0.0031 0.0016	
06DX08				0.510									
06DX12				0.490									
07DX08	$7/16$	$17/32$		0.760	0.5319 0.5312	0.4273 0.4263	0.4319 0.4292	0.4355 0.4345	0.4382 0.4375		0.0056 0.0019		
07DX12				0.740									
08DX06				0.510									
08DX08	$1/2$	$19/32$		0.490	0.5944 0.5937	0.4897 0.4887	0.4944 0.4917	0.4980 0.4970	0.5007 0.5000		0.0057 0.0020		
08DX10				0.635									
08DX14				0.615									
09DX08				0.885									
09DX12	$9/16$	$21/32$		0.865	0.6569 0.6562	0.5522 0.5512	0.5569 0.5542	0.5605 0.5595	0.5632 0.5625		$5/32$	0.0037 0.0020	
10DX08				0.510									
10DX10			0.490										
10DX12	$5/8$	$23/32$	0.635	0.7195 0.7187	0.6146 0.6136	0.6195 0.6167	0.6230 0.6220	0.6257 0.6250	0.0059 0.0021				
10DX14			0.615										
11DX14			0.760										
12DX08	$3/4$	$7/8$	0.740	0.8758 0.8750	0.7390 0.7378	0.7444 0.7412	0.7475 0.7463	0.7508 0.7500	0.0066 0.0022	0.0045 0.0025			
12DX12			0.885										
12DX16			0.865										
			1.010										

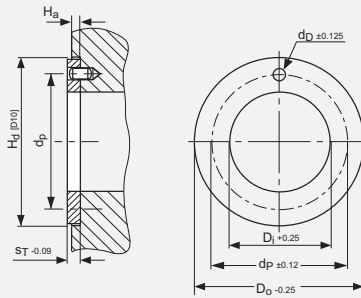
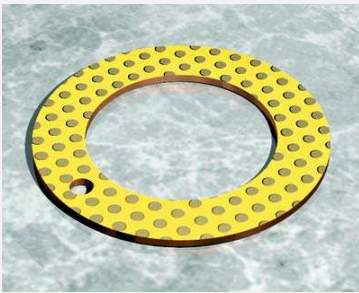
10 Standard Products

Part Nr.	Nominal size		Wall thick-ness s_3	Width B $\pm 0.010''$	Housing- \emptyset D_H	Shaft- \emptyset D_J	Bush i- \emptyset $D_{i,a}$ as supplied	Shaft for machined bush i- \emptyset $D_{j,m}$	Bush i- \emptyset $D_{i,a}$ mahined to [H7]	Oil hole- \emptyset d_L	Running Clearance C_D as supplied	Running Clearance C_D machined							
	D_i	D_o									max. min.	max. min.	max. min.	max. min.	max. min.				
14DX12	$7/8$	1	0.0669 0.0657	0.760	1.0008	0.8639	0.8694	0.8725	0.8758	$1/4$	0.0067	0.0045							
14DX14				0.740									0.865	0.8627	0.8662	0.8713	0.8750		
14DX16				1.010									0.990						
16DX12	1	$1 1/8$		0.760	1.1258	0.9888	0.9944	0.9975	1.0008		1.0008		0.0068	0.0024					
16DX16				0.740											1.010	0.9876	0.9912	0.9963	1.0000
16DX24				1.510											1.490				
18DX12	$1 1/8$	$1 9/32$	0.760	1.2822	1.1138	1.1202	1.1225	1.1258	1.1258	0.0076	0.0026								
18DX16			0.740									1.2812	1.1126	1.1164	1.1213	1.2500			
20DX12	$1 1/4$	$1 13/32$	0.760	1.4072	1.2387	1.2452	1.2470	1.2454	1.2510	$1/4$	0.0081	0.0027							
20DX16			0.740										1.260	1.2371	1.2414	1.2454	1.2500		
20DX20			1.240										1.240						
20DX28			1.760										1.740						
22DX16			1.010										0.990						
22DX22	$1 3/8$	$1 17/32$	1.385	1.5322	1.3635	1.3702	1.3720	1.3760	1.3760	0.0083	0.0029								
22DX28			0.365									1.5312	1.3619	1.3664	1.3704	1.3750			
24DX16	$1 1/2$	$1 21/32$	1.010	1.6572	1.4884	1.4952	1.4970	1.5010	1.5000	$1/4$	0.0084	0.0030							
24DX20			0.990										1.260	1.4868	1.4914	1.4954	1.5000		
24DX24			1.240										1.240						
24DX32			1.510										1.490						
26DX16			2.010										1.990						
26DX24	$1 5/8$	$1 25/32$	1.010	1.7822	1.6133	1.6202	1.6220	1.6260	1.6260	0.0085	0.0031								
28DX16			0.990									1.7812	1.6117	1.6164	1.6204	1.6250			
28DX24	$1 3/4$	$1 15/16$	1.010	1.9385	1.7383	1.7461	1.7470	1.7510	1.7500	$5/16$	0.0094	0.0032							
28DX28			0.990										1.510	1.7367	1.7415	1.7454	1.7500		
28DX32			1.510										1.490						
30DX16			1.760										1.740						
30DX30	$1 7/8$	$2 1/16$	2.010	2.0637	1.8632	1.8713	1.8720	1.8760	1.8760	0.0097	0.0033								
30DX36			1.990									1.885	1.8616	1.8665	1.8704	1.8750			
32DX16			2.260									2.240							
32DX24	2	$2 3/16$	1.010	2.1887	1.9881	1.9963	1.9960	2.0012	2.0000	$1/4$	0.0100	0.0070							
32DX32			0.990										1.510	1.9863	1.9915	1.9942	2.0000		
32DX40			2.010										1.990						
			2.510										2.490						

Part Nr.	Nominal size		Wall thick-ness s_3	Width B $\pm 0.010''$	Housing- \emptyset D_H	Shaft- \emptyset D_J	Bush i- \emptyset $D_{i,a}$ as supplied	Shaft for machined bush i- \emptyset $D_{J,m}$	Bush i- \emptyset $D_{i,a}$ mached to [H7]	Oil hole- \emptyset d_L	Running Clearance C_D as supplied	Running Clearance C_D machined
	D_i	D_o									max. min.	max. min.
36DX32	$2\frac{1}{4}$	$2\frac{7}{16}$	0.0980 0.0962	2.010	2.4387 2.4375	2.2378 2.2360	2.2463 2.2415	2.2460 2.2442	$\frac{5}{16}$	0.0103 0.0037	0.0070 0.0040	
36DX36				2.260								
36DX40				2.510								
40DX32	$2\frac{1}{2}$	$2\frac{11}{16}$		2.010	2.6887 2.6875	2.4875 2.4857	2.4963 2.4915	2.4960 2.4942		2.5012 2.5000		0.0106 0.0040
40DX40				2.510								
44DX32	$2\frac{3}{4}$	$2\frac{15}{16}$		2.010	2.9387 2.9375	2.7351 2.7333	2.7457 2.7393	2.7460 2.7442		2.7512 2.7500		$\frac{3}{8}$
44DX40			2.510									
44DX48			3.010									
44DX56			3.510									
48DX32	3	$3\frac{3}{16}$	2.010	3.1889 3.1875	2.9849 2.9831	2.9959 2.9893	2.9960 2.9942	3.0012 3.0000	0.0128 0.0044			
48DX48			3.010									
48DX60			3.760									
56DX40	$3\frac{1}{2}$	$3\frac{11}{16}$	2.510	3.6889 3.6875	3.4844 3.4822	3.4959 3.4893	3.4950 3.4928	3.5014 3.5000	0.0137 0.0049			
56DX48			2.490									
56DX60			3.760									
64DX48	4	$4\frac{3}{16}$	3.740	4.1889 4.1875	3.9839 3.9817	3.9959 3.9893	3.9950 3.9928	4.0014 4.0000	0.0142 0.0054			
64DX60			3.010									
64DX76			2.990									

10 Standard Products

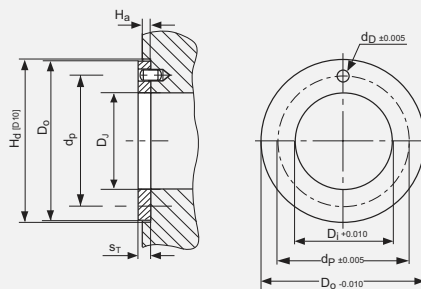
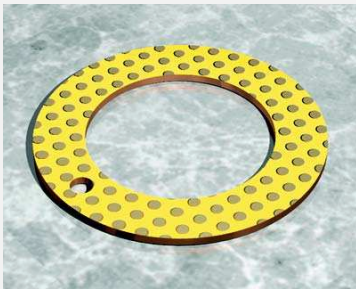
10.4DX Thrust Washers - metric



All dimensions in mm

Part No.	Inside- ϕ D_I	Outside- ϕ D_O	Thickness S_T	Dowel hole PCD- ϕ d_P	Dowel hole- ϕ d_D	Recess depth H_a
	max. min.	max. min.	max. min.	max. min.	max. min.	max. min.
WC10DX	12.25 12.00	24.00 23.75	1.577 1.487	18.12 17.88	1.875 1.625	1.20 0.95
WC12DX	14.25 14.00	26.00 25.75		20.12 19.88	2.375 2.125	
WC14DX	16.25 16.00	30.00 29.75		22.12 21.88		
WC16DX	18.25 18.00	32.00 31.75		25.12 24.88	3.375 3.125	
WC18DX	20.25 20.00	36.00 35.75		28.12 27.88		
WC20DX	22.25 22.00	38.00 37.75		30.12 29.88	4.375 4.125	
WC22DX	24.25 24.00	42.00 41.75		33.12 32.88		
WC24DX	26.25 26.00	44.00 43.75		35.12 34.88	1.70 1.45	
WC25DX	28.25 28.00	48.00 47.75		38.12 37.88		
WC30DX	32.25 32.00	54.00 53.75		43.12 42.88	2.600 2.510	
WC35DX	38.25 38.00	62.00 61.75		50.12 49.88		
WC40DX	42.25 42.00	66.00 65.75		54.12 53.88	65.12 64.88	
WC45DX	48.25 48.00	74.00 73.75		61.12 60.88		
WC50DX	52.25 52.00	78.00 77.75				

10.5DX Thrust Washers - inch

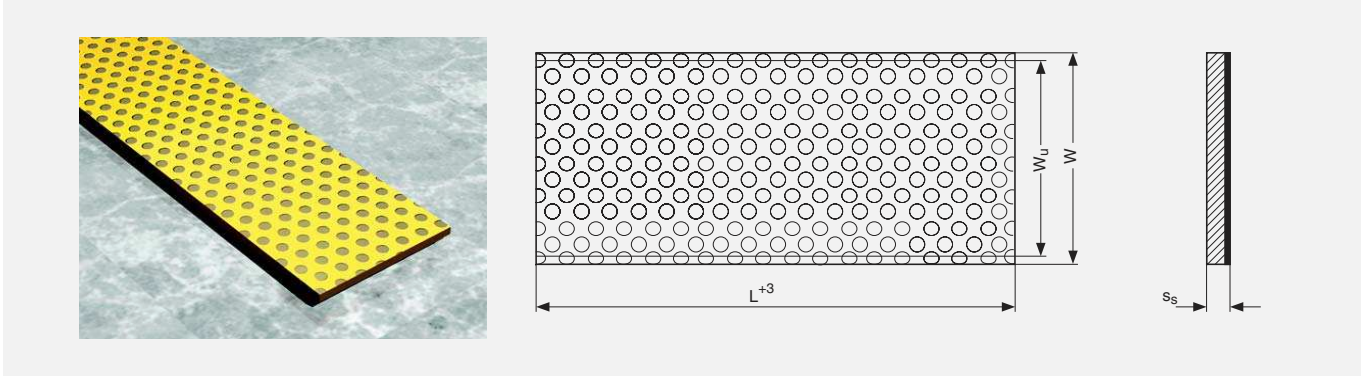


All dimensions in inch

Part No.	Inside-ø D_i	Outside-ø D_o	Thickness s_T	Dowel hole PCD-ø d_p	Dowel hole-ø d_D	Recess depth H_a
	max. min.	max. min.	max. min.	max. min.	max. min.	max. min.
DX06	0.5100 0.5000	0.8750 0.8650	0.0660 0.0625	0.6920 0.6820	0.0770 0.0670	0.0500 0.0400
DX07	0.5720 0.5620	1.0000 0.9900		0.7860 0.7760		
DX08	0.6350 0.6250	1.1250 1.1150		0.8800 0.8700		
DX09	0.6970 0.6870	1.1870 1.1770		0.9420 0.9320	0.1090 0.0990	
DX10	0.7600 0.7500	1.2500 1.2400		1.0050 0.9950		
DX11	0.8220 0.8120	1.3750 1.3650		1.0990 1.0890		
DX12	0.8850 0.8750	1.5000 1.4900		1.1920 1.1820	0.1400 0.1300	
DX14	1.0100 1.0000	1.7500 1.7400		1.3800 1.3700		
DX16	1.1350 1.1250	2.0000 1.9900		1.5670 1.5570	0.1710 0.1610	
DX18	1.2600 1.2500	2.1250 2.1150		1.6920 1.6820		
DX20	1.3850 1.3750	2.2500 2.2400		1.8170 1.8070	0.2020 0.1920	
DX22	1.5100 1.5000	2.5000 2.4900		2.0050 1.9950		
DX24	1.6350 1.6250	2.6250 2.6150		2.1300 2.1200		
DX26	1.7600 1.7500	2.7500 2.7400		2.2550 2.2450		
DX28	2.0100 2.0000	3.0000 2.9900		2.5050 2.4950		
DX30	2.1350 2.1250	3.1250 3.1150		2.6300 2.6200		
DX32	2.2600 2.2500	3.2500 3.2400		2.7550 2.7450		

10 Standard Products

10.6DX Strip - metric



All dimensions in mm

Group No.	Length L	Usable Width W_u	Thickness s_s	
			max.	min.
S100 90 DX	500	93	1.07	1.03
S152 00 DX		200	1.56	1.52
S202 00 DX		218	2.05	2.01
S252 00 DX			2.57	2.52

10.7DX Strip - inch

All dimensions in inch

Group No.	Length L	Usable Width W_u	Thickness s_s	
			max.	min.
B	18	2.75 ± 0.010	0,0492	0,0480
C		4 ± 0.010	0,0642	0,0630
D		4 ± 0.012	0,0795	0,0783
E			0,0949	0,0937