

WMU® Self Lubricated Bearings



(Dimensions and tolerances to ISO 3547)

Stock range includes

- Metric plain
- Metric flanged
- Metric washers
- Metric strip
- Imperial plain
- Imperial washers
- Imperial strip*

WMU Technical Data – Summary

Structure	Steel support strip S.A.E 1010. Sintered Bronze layer. PTFE.
PV	1.8 N/mm ² x m/s
Static load	250 N/mm ²
Dynamic load	140 N/mm ²
Maximum sliding speed	2.5 m/s dry 5.0 m/s with oil
Operating temperature	-200°C to +280°C
Thermal conductivity	42 W/mK
Coefficient of friction	
WMU Dry	0.02 to 0.20
WMU Oiled	0.02 to 0.15
Recommended housing tolerance	4.5mm/5.5mm H6 7.0mm/305mm H7
Recommended shaft tolerance	3.0mm/4.0mm h6 5.0mm/75mm f7 80mm/300mm h8
Recommended shaft finish	Ra ≤ 0.4um (N5)
Recommended shaft hardness	HB > 200

WMUB Bronze Support Strip instead of Steel

Has greater resistance to corrosion than standard WMU product.

Range, dimensions and tolerances are as standard WMU product.

WMX® Externally Lubricated Bearings



(Dimensions and tolerances to ISO 3547)

Stock range includes

- Metric plain
- Metric washers
- Metric strip
- Imperial plain*
- Imperial washers*
- Imperial strip*

*Some sizes supplied to order only, minimum order quantity may apply.

WMX Technical Data – Summary

Structure	Steel support strip S.A.E 1010. Sintered Bronze layer. Co-Acetal polymer.
Static load	140 N/mm ²
Dynamic load	70 N/mm ²
Maximum sliding speed	2.5 m/s with grease
Operating temperature	-40°C to +110°C
Intermittent maximum temperature	130°C
Thermal conductivity	2W/mK
PV	2.8 N/mm ² x m/s
Coefficient of friction	0.05 to 0.12 with grease
Recommended housing tolerance	H7
Recommended shaft tolerance	h8
Recommended shaft finish	Ra ≤ 0.4um (N5)
Recommended shaft hardness	HB > 200

Fitting Guidelines

1. Always use a fitting pin and fitting collar. See our fitting instructions on page 20.
2. Lubricate back of bearing prior to assembly.
3. Chamfer lead in on housing to assist with assembly.



WMU® Wrapped Metric Plain Bearings. PTFE U Type

Inside Diameter When Fitted		Housing Diameter (Nominal OD)		Shaft Diameter		Length +/- 0.25	Part Number
3	+0.048 0.000	4.5	+0.006 0.000	3	0.000 -0.006	3	TFP 0304503
						4	TFP 0304504
						5	TFP 0304505
						6	TFP 0304506
4	+0.048 0.000	5.5	+0.008 0.000	4	0.000 -0.008	3	TFP 0405503
						4	TFP 0405504
						6	TFP 0405506
						10	TFP 0405510
5	+0.055 -0.010	7	+0.015 0.000	5	-0.010 -0.022	5	TFP 050705
						8	TFP 050708
						10	TFP 050710
6	+0.055 -0.010	8	+0.015 0.000	6	-0.010 -0.022	6	TFP 060806
						8	TFP 060808
						10	TFP 060810
7	+0.055 -0.010	9	+0.015 0.000	7	-0.013 -0.028	10	TFP 070910
8	+0.055 -0.010	10	+0.015 0.000	8	-0.013 -0.028	8	TFP 081008
						12	TFP 081012
10	+0.058 -0.010	12	+0.018 0.000	10	-0.013 -0.028	8	TFP 101208
						10	TFP 101210
						12	TFP 101212
						15	TFP 101215
						20	TFP 101220
12	+0.058 -0.010	14	+0.018 0.000	12	-0.016 -0.034	12	TFP 121412
						15	TFP 121415
						20	TFP 121420
						25	TFP 121425
13	+0.058 -0.010	15	+0.018 0.000	13	-0.016 -0.034	10	TFP 131510
						20	TFP 131520
14	+0.058 -0.010	16	+0.018 0.000	14	-0.016 -0.034	10	TFP 141610
						12	TFP 141612
						15	TFP 141615
						20	TFP 141620
						25	TFP 141625
15	+0.058 -0.010	17	+0.018 0.000	15	-0.016 -0.034	10	TFP 151710
						12	TFP 151712
						15	TFP 151715
						20	TFP 151720
						25	TFP 151725
16	+0.058 -0.010	18	+0.018 0.000	16	-0.016 -0.034	10	TFP 161810
						12	TFP 161812
						15	TFP 161815
						20	TFP 161820
						25	TFP 161825
17	+0.061 -0.010	19	+0.021 0.000	17	-0.016 -0.034	15	TFP 171915
						20	TFP 171920
18	+0.061 -0.010	20	+0.021 0.000	18	-0.016 -0.034	15	TFP 182015
						20	TFP 182020
						25	TFP 182025

Inside Diameter When Fitted		Housing Diameter (Nominal OD)		Shaft Diameter		Length +/- 0.25	Part Number
20	+0.071 -0.010	22	+0.021 0.000	20	-0.020 -0.041	10	TFP 202210
20	+0.071 -0.010	23	+0.021 0.000	20	-0.020 -0.041	10	TFP 202310
						15	TFP 202315
						20	TFP 202320
						25	TFP 202325
						30	TFP 202330
22	+0.071 -0.010	25	+0.021 0.000	22	-0.020 -0.041	15	TFP 222515
						20	TFP 222520
						25	TFP 222525
						30	TFP 222530
24	+0.071 -0.010	27	+0.021 0.000	24	-0.020 -0.041	20	TFP 242720
						25	TFP 242725
						30	TFP 242730
25	+0.071 -0.010	28	+0.021 0.000	25	-0.020 -0.041	12	TFP 252812
						15	TFP 252815
						20	TFP 252820
						25	TFP 252825
						30	TFP 252830
28	+0.085 -0.010	32	+0.025 0.000	28	-0.020 -0.041	50	TFP 252850
						20	TFP 283220
						25	TFP 283225
30	+0.085 -0.010	34	+0.025 0.000	30	-0.020 -0.041	30	TFP 283230
						15	TFP 303415
						20	TFP 303420
32	+0.085 -0.010	36	+0.025 0.000	32	-0.025 -0.050	25	TFP 303425
						30	TFP 303430
						40	TFP 303440
						20	TFP 323620
35	+0.085 -0.010	39	+0.025 0.000	35	-0.025 -0.050	30	TFP 323630
						40	TFP 323640
						20	TFP 353920
						30	TFP 353930
36	+0.085 -0.010	40	+0.025 0.000	36	-0.025 -0.050	35	TFP 353935
						40	TFP 353940
						50	TFP 353950
40	+0.085 -0.010	44	+0.025 0.000	40	-0.025 -0.050	15	TFP 364015
						35	TFP 364035
						20	TFP 404420
						30	TFP 404430
45	+0.105 -0.010	50	+0.025 0.000	45	-0.025 -0.050	40	TFP 404440
						50	TFP 404450
						20	TFP 455020
						30	TFP 455030
						40	TFP 455040
45	+0.105 -0.010	50	+0.025 0.000	45	-0.025 -0.050	45	TFP 455045
						50	TFP 455050

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WMMU® Wrapped Metric Plain Bearings. PTFE U Type

Inside Diameter When Fitted		Housing Diameter (Nominal OD)		Shaft Diameter		Length +/- 0.25	Part Number
50	+0.110 -0.010	55	+0.030 0.000	50	-0.025 -0.050	20	TFP 505520
						30	TFP 505530
						40	TFP 505540
						50	TFP 505550
						60	TFP 505560
55	+0.110 -0.010	60	+0.030 0.000	55	-0.030 -0.060	20	TFP 556020
						25	TFP 556025
						30	TFP 556030
						40	TFP 556040
						50	TFP 556050
60	+0.110 -0.010	65	+0.030 0.000	60	-0.030 -0.060	60	TFP 556060
						20	TFP 606520
						30	TFP 606530
						40	TFP 606540
						60	TFP 606560
65	+0.110 -0.010	70	+0.030 0.000	65	-0.030 -0.060	70	TFP 606570
						30	TFP 657030
						50	TFP 657050
						60	TFP 657060
						70	TFP 657070
70	+0.110 -0.010	75	+0.030 0.000	70	-0.030 -0.060	70	TFP 707570
75	+0.110 -0.010	80	+0.030 0.000	75	-0.030 -0.060	40	TFP 758040
						50	TFP 758050
						60	TFP 758060
						80	TFP 758080
80	+0.155 +0.020	85	+0.035 0.000	80	0.000 -0.054	60	TFP 808560
85	+0.155 +0.020	90	+0.035 0.000	85	0.000 -0.054	100	TFP 8085100
						60	TFP 859060
90	+0.155 +0.020	95	+0.035 0.000	90	0.000 -0.054	100	TFP 8590100
						60	TFP 909560
95	+0.155 +0.020	100	+0.035 0.000	95	0.000 -0.054	100	TFP 9095100
						60	TFP 9510060
100	+0.155 +0.020	105	+0.035 0.000	100	0.000 -0.054	100	TFP 95100100
						60	TFP 10010560
						70	TFP 10010570
						80	TFP 10010580
105	+0.155 +0.020	110	+0.035 0.000	105	0.000 -0.054	115	TFP 100105115
						60	TFP 10511060
110	+0.155 +0.020	115	+0.035 0.000	110	0.000 -0.054	115	TFP 105110115
						60	TFP 11011560
115	+0.155 +0.020	120	+0.035 0.000	115	0.000 -0.054	115	TFP 110115115
						60	TFP 11512050
120	+0.210 +0.070	125	+0.040 0.000	120	0.000 -0.054	60	TFP 11512060
						70	TFP 11512070
125	+0.210 +0.070	130	+0.040 0.000	125	0.000 -0.063	60	TFP 12012560
						100	TFP 120125100
130	+0.210 +0.070	135	+0.040 0.000	130	0.000 -0.063	60	TFP 12513060
						100	TFP 125130100
135	+0.210 +0.070	140	+0.040 0.000	135	0.000 -0.063	60	TFP 13013560
						100	TFP 130135100
140	+0.210 +0.070	145	+0.040 0.000	140	0.000 -0.063	60	TFP 13514060
						100	TFP 135140100
145	+0.210 +0.070	150	+0.040 0.000	145	0.000 -0.063	60	TFP 14014560
						100	TFP 140145100
150	+0.210 +0.070	155	+0.040 0.000	150	0.000 -0.063	60	TFP 14515060
						100	TFP 145150100
155	+0.210 +0.070	160	+0.040 0.000	155	0.000 -0.063	60	TFP 150155100
						100	TFP 150155100
160	+0.210 +0.070	165	+0.040 0.000	160	0.000 -0.063	60	TFP 15516060
						100	TFP 155160100
165	+0.210 +0.070	170	+0.040 0.000	165	0.000 -0.063	60	TFP 16016560
						100	TFP 160165100
170	+0.210 +0.070	175	+0.040 0.000	170	0.000 -0.063	60	TFP 16517060
						100	TFP 165170100
175	+0.210 +0.070	180	+0.040 0.000	175	0.000 -0.063	60	TFP 17017560
						100	TFP 170175100
180	+0.216 +0.070	185	+0.046 0.000	180	0.000 -0.063	60	TFP 17518060
						100	TFP 175180100
200	+0.216 +0.070	205	+0.046 0.000	200	0.000 -0.072	60	TFP 18018560
						100	TFP 180185100
210	+0.216 +0.070	215	+0.046 0.000	210	0.000 -0.072	60	TFP 200205100
						100	TFP 200205100
220	+0.216 +0.070	225	+0.046 0.000	220	0.000 -0.072	60	TFP 210215100
						100	TFP 210215100
250	+0.222 +0.070	255	+0.052 0.000	250	0.000 -0.072	60	TFP 22022560
						100	TFP 220225100
280	+0.222 +0.070	285	+0.052 0.000	280	0.000 -0.081	60	TFP 25025560
						100	TFP 250255100
300	+0.222 +0.070	305	+0.052 0.000	300	0.000 -0.081	60	TFP 28028560
						100	TFP 280285100
300	+0.222 +0.070	305	+0.052 0.000	300	0.000 -0.081	60	TFP 30030560
						100	TFP 300305100

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Bowman® can offer a fast turn around for large wrapped bushes up to 500mm diameter



WMU® Wrapped Metric Flanged Bearings. PTFE U Type

Inside Diameter When Fitted		Housing Diameter (Nominal OD)		Shaft Diameter		Flange Dia +/- 0.5	Length +/- 0.25	Part Number
6	+0.055 -0.010	8	+0.015 0.000	6	-0.010 -0.022	12	4	TFF 060412
							7	TFF 060712
							8	TFF 060812
8	+0.055 -0.010	10	+0.015 0.000	8	-0.013 -0.028	15	5.5	TFF 080515
							7.5	TFF 080715
							9.5	TFF 080915
10	+0.058 -0.010	12	+0.018 0.000	10	-0.013 -0.028	18	7	TFF 100718
							9	TFF 100918
							12	TFF 101218
							17	TFF 101718
12	+0.058 -0.010	14	+0.018 0.000	12	-0.016 -0.034	20	7	TFF 120720
							9	TFF 120920
							12	TFF 121220
							17	TFF 121720
14	+0.058 -0.010	16	+0.018 0.000	14	-0.016 -0.034	22	12	TFF 141222
							17	TFF 141722
15	+0.058 -0.010	17	+0.018 0.000	15	-0.016 -0.034	23	9	TFF 150923
							12	TFF 151223
							17	TFF 151723
16	+0.058 -0.010	18	+0.018 0.000	16	-0.016 -0.034	24	12	TFF 161224
							17	TFF 161724
18	+0.061 -0.010	20	+0.021 0.000	18	-0.016 -0.034	26	12	TFF 181226
							17	TFF 181726
							22	TFF 182226
20	+0.071 -0.010	23	+0.021 0.000	20	-0.020 -0.041	30	11.5	TFF 2011530
							16.5	TFF 2016530
							21.5	TFF 2021530
25	+0.071 -0.010	28	+0.021 0.000	25	-0.020 -0.041	35	11.5	TFF 2511535
							16.5	TFF 2516535
							21.5	TFF 2521535
30	+0.085 -0.010	34	+0.025 0.000	30	-0.020 -0.041	42	16	TFF 301642
							26	TFF 302642
35	+0.085 -0.010	39	+0.025 0.000	35	-0.025 -0.050	47	16	TFF 351647
							26	TFF 352647
40	+0.085 -0.010	44	+0.025 0.000	40	-0.025 -0.050	53	16	TFF 401653
							26	TFF 402653
45	+0.105 -0.010	50	+0.025 0.000	45	-0.025 -0.050	58	16	TFF 451658
							26	TFF 452658

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WMU® Strip. PTFE U Type

Length	Width	Thickness	Part Number
500	150	0.744 0.704	TFS 07150
500	215	0.990 0.950	TFS 10200
500	245	1.510 1.470	TFS 15240
500	245	2.000 1.960	TFS 20240
500	245	2.500 2.460	TFS 25240
500	245	3.060 3.020	TFS 30240



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WMU® Washers. Metric. PTFE U Type

Inside Diameter		Outside Diameter		Thickness	Hole Dia	Hole PCD	Part Number
10	+0.250 0.000	20	0.000 -0.250	1.50 1.45	No hole	-	TFW 1020015
12	+0.250 0.000	24	0.000 -0.250	1.50 1.45	1.90 1.60	18	TFW 1224015
14	+0.250 0.000	26	0.000 -0.250	1.50 1.45	2.40 2.10	20	TFW 1426015
16	+0.250 0.000	30	0.000 -0.250	1.50 1.45	2.40 2.10	22	TFW 1630015
18	+0.250 0.000	32	0.000 -0.250	1.50 1.45	2.40 2.10	25	TFW 1832015
20	+0.250 0.000	36	0.000 -0.250	1.50 1.45	3.40 3.10	28	TFW 2036015
22	+0.250 0.000	38	0.000 -0.250	1.50 1.45	3.40 3.10	30	TFW 2238015
24	+0.250 0.000	42	0.000 -0.250	1.50 1.45	3.40 3.10	33	TFW 2442015
26	+0.250 0.000	44	0.000 -0.250	1.50 1.45	3.40 3.10	35	TFW 2644015
28	+0.250 0.000	48	0.000 -0.250	1.50 1.45	4.40 4.10	38	TFW 2848015
32	+0.250 0.000	54	0.000 -0.250	1.50 1.45	4.40 4.10	43	TFW 3254015
38	+0.250 0.000	62	0.000 -0.250	1.50 1.45	4.40 4.10	50	TFW 3862015
42	+0.250 0.000	66	0.000 -0.250	1.50 1.45	4.40 4.10	54	TFW 4266015
48	+0.250 0.000	74	0.000 -0.250	2.00 1.95	4.40 4.10	61	TFW 487402
52	+0.250 0.000	78	0.000 -0.250	2.00 1.95	4.40 4.10	65	TFW 527802
62	+0.250 0.000	90	0.000 -0.250	2.00 1.95	4.40 4.10	76	TFW 629002
95	+0.250 0.000	115	0.000 -0.250	2.00 1.95	4.40 4.10	106	TFW 9511502

WMU® Washers. Imperial. PTFE U Type

Inside Diameter		Outside Diameter		Thickness	Hole Dia	Hole PCD	Part Number
1/2	+0.010 0.000	7/8	0.000 -0.010	0.063 0.061	0.077 0.067	0.692 0.682	TFWTH06
9/16	+0.010 0.000	1	0.000 -0.010	0.063 0.061	0.077 0.067	0.786 0.776	TFWTH07
5/8	+0.010 0.000	1 1/8	0.000 -0.010	0.063 0.061	0.109 0.099	0.880 0.870	TFWTH08
11/16	+0.010 0.000	1 3/16	0.000 -0.010	0.063 0.061	0.109 0.099	0.942 0.932	TFWTH09
3/4	+0.010 0.000	1 1/4	0.000 -0.010	0.063 0.061	0.109 0.099	1.005 0.995	TFWTH10
13/16	+0.010 0.000	1 3/8	0.000 -0.010	0.063 0.061	0.109 0.099	1.099 1.089	TFWTH11
7/8	+0.010 0.000	1 MKH	0.000 -0.010	0.063 0.061	0.140 0.130	1.192 1.182	TFWTH12
1	+0.010 0.000	1 3/4	0.000 -0.010	0.063 0.061	0.140 0.130	1.380 1.370	TFWTH14
1 1/8	+0.010 0.000	2	0.000 -0.010	0.063 0.061	0.171 0.161	1.567 1.557	TFWTH16
1 1/4	+0.010 0.000	2 1/8	0.000 -0.010	0.063 0.061	0.171 0.161	1.692 1.682	TFWTH18
1 3/8	+0.010 0.000	2 1/4	0.000 -0.010	0.063 0.061	0.171 0.161	1.807 1.797	TFWTH20
1 1/2	+0.010 0.000	2 1/2	0.000 -0.010	0.063 0.061	0.202 0.192	2.005 1.995	TFWTH22
1 5/8	+0.010 0.000	2 5/8	0.000 -0.010	0.063 0.061	0.202 0.192	2.130 2.120	TFWTH24
1 3/4	+0.010 0.000	2 3/4	0.000 -0.010	0.063 0.061	0.202 0.192	2.255 2.245	TFWTH26
2	+0.010 0.000	3	0.000 -0.010	0.093 0.091	0.202 0.192	2.505 2.495	TFWTH28
2 1/8	+0.010 0.000	3 1/8	-0.010 0.000	0.093 0.091	0.202 0.192	2.630 2.620	TFWTH30
2 1/4	+0.010 0.000	3 1/4	0.000 -0.010	0.093 0.091	0.202 0.192	2.755 2.745	TFWTH32

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WMU® Wrapped Imperial Plain Bearings. PTFE U Type

Inside Diameter When Fitted		Housing Diameter (Nominal OD)		Shaft Diameter		L +/- 0.01	Part Number
3/16 0.1875	+0.0018 -0.0008	1/4 0.250	+0.0003 -0.0003	3/16 0.1875	-0.0010 -0.0017	3/16	TFPI03TH03
						1/4	TFPI03TH04
						3/8	TFPI03TH06
1/4 0.250	+0.0018 -0.0008	5/16 0.3125	+0.0003 -0.0003	1/4 0.250	-0.0010 -0.0019	1/4	TFPI04TH04
						3/8	TFPI04TH06
5/16 0.3125	+0.0018 -0.0008	3/8 0.375	+0.0003 -0.0003	5/16 0.3125	-0.0010 -0.0019	3/8	TFPI05TH06
						1/2	TFPI05TH08
3/8 0.375	+0.0019 -0.0008	15/32 0.4688	+0.0003 -0.0004	3/8 0.375	-0.0010 -0.0019	3/8	TFPI06TH06
						1/2	TFPI06TH08
						5/8	TFPI06TH10
						3/4	TFPI06TH12
7/16 0.4375	+0.0019 -0.0008	17/32 0.5313	+0.0003 -0.0004	7/16 0.4375	-0.0010 -0.0020	1/2	TFPI07TH08
						3/4	TFPI07TH12
1/2 0.500	+0.0019 -0.0008	19/32 0.5938	+0.0003 -0.0004	1/2 0.500	-0.0010 -0.0020	3/8	TFPI08TH06
						1/2	TFPI08TH08
						5/8	TFPI08TH10
						7/8	TFPI08TH14
9/16 0.5625	+0.0019 -0.0008	21/32 0.6563	+0.0003 -0.0004	9/16 0.5625	-0.0010 -0.0020	1/2	TFPI09TH08
						3/4	TFPI09TH12
5/8 0.625	+0.0020 -0.0008	23/32 0.7188	+0.0004 -0.0004	5/8 0.625	-0.0010 -0.0020	1/2	TFPI10TH08
						5/8	TFPI10TH10
						3/4	TFPI10TH12
						7/8	TFPI10TH14
11/16 0.6875	+0.0020 -0.0008	25/32 0.7813	+0.0004 -0.0004	11/16 0.6875	-0.0010 -0.0020	7/8	TFPI11TH14
3/4 0.750	+0.0025 -0.0007	7/8 0.875	+0.0005 -0.0003	3/4 0.750	-0.0009 -0.0021	1/2	TFPI12TH08
						3/4	TFPI12TH12
						1	TFPI12TH16
7/8 0.875	+0.0025 -0.0007	1 1.000	+0.0005 -0.0003	7/8 0.875	-0.0009 -0.0021	3/4	TFPI14TH12
						7/8	TFPI14TH14
						1	TFPI14TH16
						3/4	TFPI16TH12
1 1.000	+0.0026 -0.0008	1 1/8 1.125	+0.0006 -0.0004	1 1.000	-0.0009 -0.0021	1	TFPI16TH16
						1 1/4	TFPI16TH20
						1 1/2	TFPI16TH24
1 1/8 1.125	+0.0028 -0.0010	1 9/32 1.2813	+0.0005 -0.0005	1 1/8 1.125	-0.0012 -0.0024	3/4	TFPI18TH12
						1	TFPI18TH16
1 1/4 1.250	+0.0028 -0.0010	1 13/32 1.4063	+0.0005 -0.0005	1 1/4 1.250	-0.0012 -0.0028	3/4	TFPI20TH12
						1	TFPI20TH16
						1 1/4	TFPI20TH20
						1 3/4	TFPI20TH28
1 3/8 1.375	+0.0029 -0.0010	1 17/32 1.5313	+0.0005 -0.0005	1 3/8 1.375	-0.0012 -0.0028	1	TFPI22TH16
						1 3/8	TFPI22TH22
						1 3/4	TFPI22TH28

Inside Diameter When Fitted		Housing Diameter (Nominal OD)		Shaft Diameter		L +/- 0.01	Part Number
1 1/2 1.500	+0.0028 -0.0010	1 21/32 1.6563	+0.0005 -0.0005	1 1/2 1.500	-0.0012 -0.0028	1	TFPI24TH16
						1 1/4	TFPI24TH20
						1 1/2	TFPI24TH24
						2	TFPI24TH32
1 5/8 1.625	+0.0028 -0.0010	1 25/32 1.7813	+0.0005 -0.0005	1 5/8 1.625	-0.0012 -0.0028	1	TFPI26TH16
						1 1/2	TFPI26TH24
1 3/4 1.750	+0.0035 -0.0011	1 15/16 1.9375	+0.0006 -0.0004	1 3/4 1.750	-0.0013 -0.0029	1	TFPI28TH16
						1 1/2	TFPI28TH24
						1 3/4	TFPI28TH28
						2	TFPI28TH32
1 7/8 1.875	+0.0037 -0.0011	2 1/16 2.0625	+0.0008 -0.0004	1 7/8 1.875	-0.0013 -0.0029	1	TFPI30TH16
						1 7/8	TFPI30TH30
						2 1/4	TFPI30TH36
2 2.000	+0.0037 -0.0011	2 3/16 2.1875	+0.0008 -0.0004	2 2.000	-0.0013 -0.0031	1	TFPI32TH16
						1 1/2	TFPI32TH24
						2	TFPI32TH32
						2 1/2	TFPI32TH40
2 1/4 2.250	+0.0073 +0.0009	2 7/16 2.4375	+0.0002 -0.0010	2 1/4 2.250	+0.0007 -0.0011	2	TFPI36TH32
						2 1/4	TFPI36TH36
						2 1/2	TFPI36TH40
2 1/2 2.500	+0.0077 +0.0013	2 11/16 2.6875	+0.0006 -0.0006	2 1/2 2.500	+0.0011 -0.0007	3	TFPI36TH48
						2	TFPI40TH32
						2 1/2	TFPI40TH40
						3	TFPI40TH48
2 3/4 2.750	+0.0066 +0.0002	2 15/16 2.9375	-0.0005 -0.0017	2 3/4 2.750	-0.0018 0.0000	3 1/2	TFPI40TH56
						2	TFPI44TH32
						2 1/2	TFPI44TH40
3 3.000	+0.0068 +0.0002	3 3/16 3.1875	-0.0003 -0.0017	3 3.000	-0.0018 0.0000	3	TFPI44TH48
						3 1/2	TFPI44TH56
						2	TFPI48TH32
3 1/2 3.500	+0.0068 +0.0002	3 11/16 3.6875	-0.0003 -0.0017	3 1/2 3.500	-0.0022 0.0000	3	TFPI48TH48
						3 3/4	TFPI48TH60
						2 1/2	TFPI56TH40
						3	TFPI56TH48
4 4.000	+0.0068 +0.0002	4 3/16 4.1875	-0.0003 -0.0017	4 4.000	-0.0022 0.0000	3 3/4	TFPI56TH60
						3	TFPI64TH48
						4 3/4	TFPI64TH76
5 5.000	+0.0056 -0.0012	5 3/16 5.1875	-0.0015 -0.0031	5 5.000	-0.0014 -0.0039	3	TFPI64TH84
						3 3/4	TFPI80TH48
6 6.000	+0.0070 +0.0002	6 3/16 6.1875	-0.0010 -0.0017	6 6.000	-0.0025 0.0000	3	TFPI80TH60
						3 3/4	TFPI96TH48
						3 3/4	TFPI96TH60
7 7.000	+0.0026 -0.0044	7 3/16 7.1875	-0.0045 -0.0063	7 7.000	-0.0046 -0.0071	3 3/4	TFPI112TH312

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WMX[®] Wrapped Metric Plain Bearings. Acetal X Type

Inside Diameter When Fitted		Housing Diameter (Nominal OD)		Shaft Diameter		Oil Hole Dia	L +/- 0.25	Part Number
8	+0.108 +0.040	10	+0.018 0.000	8	0.000 -0.022	No hole	8	TPX 081008
							10	TPX 081010
							12	TPX 081012
10	+0.108 +0.040	12	+0.018 0.000	10	0.000 -0.022	4	10	TPX 101210
							12	TPX 101212
							15	TPX 101215
12	+0.108 +0.040	14	+0.018 0.000	12	0.000 -0.027	4	20	TPX 101220
							10	TPX 121410
							12	TPX 121412
14	+0.108 +0.040	16	+0.018 0.000	14	0.000 -0.027	4	15	TPX 121415
							20	TPX 121420
							25	TPX 121425
15	+0.108 +0.040	17	+0.018 0.000	15	0.000 -0.027	4	15	TPX 141615
							20	TPX 141620
							25	TPX 141625
16	+0.108 +0.040	18	+0.018 0.000	16	0.000 -0.027	4	10	TPX 151710
							12	TPX 151712
							15	TPX 151715
18	+0.108 +0.040	20	+0.018 0.000	18	0.000 -0.027	4	25	TPX 151725
							15	TPX 182015
							20	TPX 182020
20	+0.131 +0.050	23	+0.021 0.000	20	0.000 -0.033	4	25	TPX 182025
							10	TPX 202310
							15	TPX 202315
22	+0.131 +0.050	25	+0.021 0.000	22	0.000 -0.033	6	20	TPX 202320
							25	TPX 202325
							30	TPX 202330
24	+0.131 +0.050	27	+0.021 0.000	24	0.000 -0.033	6	15	TPX 222515
							20	TPX 222520
							25	TPX 222525
27	+0.131 +0.050	30	+0.021 0.000	27	0.000 -0.033	6	30	TPX 222530
							15	TPX 242715
							20	TPX 242720
30	+0.131 +0.050	33	+0.021 0.000	30	0.000 -0.033	6	25	TPX 242725
							30	TPX 242730
							30	TPX 242730

Inside Diameter When Fitted		Housing Diameter (Nominal OD)		Shaft Diameter		Oil Hole Dia	L +/- 0.25	Part Number
25	+0.131 +0.050	28	+0.021 0.000	25	0.000 -0.033	6	15	TPX 252815
							20	TPX 252820
							25	TPX 252825
28	+0.155 +0.060	32	+0.025 0.000	28	0.000 -0.033	6	30	TPX 252830
							20	TPX 283220
							25	TPX 283225
30	+0.155 +0.060	34	+0.025 0.000	30	0.000 -0.033	6	30	TPX 283230
							20	TPX 303420
							30	TPX 303430
32	+0.155 +0.060	36	+0.025 0.000	32	0.000 -0.039	6	40	TPX 303440
							20	TPX 323620
							30	TPX 323630
35	+0.155 +0.060	39	+0.025 0.000	35	0.000 -0.039	6	35	TPX 323635
							40	TPX 323640
							20	TPX 353920
40	+0.155 +0.060	44	+0.025 0.000	40	0.000 -0.039	8	30	TPX 353930
							35	TPX 353935
							50	TPX 353950
45	+0.195 +0.080	50	+0.025 0.000	45	0.000 -0.039	8	20	TPX 404420
							30	TPX 404430
							40	TPX 404440
50	+0.200 +0.080	55	+0.030 0.000	50	0.000 -0.039	8	50	TPX 404450
							20	TPX 455020
							30	TPX 455030
55	+0.200 +0.080	60	+0.030 0.000	55	0.000 -0.046	8	40	TPX 455040
							45	TPX 455045
							50	TPX 455050
60	+0.200 +0.080	65	+0.030 0.000	60	0.000 -0.046	8	40	TPX 505540
							50	TPX 505550
							60	TPX 505560
65	+0.200 +0.080	70	+0.030 0.000	65	0.000 -0.046	8	20	TPX 556020
							25	TPX 556025
							30	TPX 556030
70	+0.200 +0.080	75	+0.030 0.000	70	0.000 -0.046	8	40	TPX 556040
							50	TPX 556050
							50	TPX 556050

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WMX[®] Wrapped Metric Plain Bearings. Acetal X Type

Inside Diameter When Fitted		Housing Diameter (Nominal OD)		Shaft Diameter		Oil Hole Dia	L +/- 0.25	Part Number
60	+0.200 +0.080	65	+0.030 0.000	60	0.000 -0.046	8	30	TPX 606530
							40	TPX 606540
							60	TPX 606560
							70	TPX 606570
65	+0.262 +0.100	70	+0.030 0.000	65	0.000 -0.046	8	40	TPX 657040
							50	TPX 657050
							60	TPX 657060
							70	TPX 657070
70	+0.262 +0.100	75	+0.030 0.000	70	0.000 -0.046	8	25	TPX 707525
							40	TPX 707540
							50	TPX 707550
							60	TPX 707560
							70	TPX 707570
							80	TPX 707580
75	+0.262 +0.100	80	+0.030 0.000	75	0.000 -0.046	9.5	40	TPX 758040
							60	TPX 758060
							80	TPX 758080
80	+0.267 +0.100	85	+0.035 0.000	80	0.000 -0.046	9.5	40	TPX 808540
							60	TPX 808560
							80	TPX 808580
							100	TPX 8085100
85	+0.267 +0.100	90	+0.035 0.000	85	0.000 -0.054	9.5	30	TPX 859030
							40	TPX 859040
							60	TPX 859060
							80	TPX 859080
							100	TPX 8590100
100	+0.267 +0.100	105	+0.035 0.000	100	0.000 -0.054	9.5	50	TPX 10010550
							60	TPX 10010560
							80	TPX 10010580
							95	TPX 10010595
							115	TPX 100105115
105	+0.267 +0.100	110	+0.035 0.000	105	0.000 -0.054	9.5	60	TPX 10511060
							115	TPX 105110115
110	+0.267 +0.100	115	+0.035 0.000	110	0.000 -0.054	9.5	60	TPX 11011560
							110	TPX 110115110
							115	TPX 110115115
115	+0.267 +0.100	120	+0.035 0.000	115	0.000 -0.054	9.5	50	TPX 11512050
							70	TPX 11512070
120	+0.272 +0.100	125	+0.040 0.000	120	0.000 -0.054	9.5	60	TPX 12012560
							100	TPX 120125100
							110	TPX 120125110
125	+0.272 +0.100	130	+0.040 0.000	125	0.000 -0.063	9.5	60	TPX 12513060
							100	TPX 125130100
							110	TPX 125130110
130	+0.280 +0.130	135	+0.040 0.000	130	0.000 -0.063	9.5	50	TPX 13013550
							60	TPX 13013560
							80	TPX 13013580
							100	TPX 130135100
135	+0.280 +0.130	140	+0.040 0.000	135	0.000 -0.063	9.5	60	TPX 13514060
							80	TPX 13514080
140	+0.280 +0.130	145	+0.040 0.000	140	0.000 -0.063	9.5	50	TPX 14014550
							60	TPX 14014560
							80	TPX 14014580
							100	TPX 140145100
145	+0.280 +0.130	150	+0.040 0.000	145	0.000 -0.063	9.5	100	TPX 145150100
150	+0.280 +0.130	155	+0.040 0.000	150	0.000 -0.063	9.5	50	TPX 15015550
							60	TPX 15015560
							80	TPX 15015580
							100	TPX 150155100
160	+0.280 +0.130	165	+0.040 0.000	160	0.000 -0.063	9.5	50	TPX 16016550
							60	TPX 16016560
							80	TPX 16016580
							100	TPX 160165100
170	+0.280 +0.130	175	+0.040 0.000	170	0.000 -0.063	9.5	50	TPX 17017550
							60	TPX 17017560
							80	TPX 17017580
							100	TPX 170175100
180	+0.286 +0.130	185	+0.046 0.000	180	0.000 -0.063	9.5	50	TPX 18018550
							60	TPX 18018560
							80	TPX 18018580
							100	TPX 180185100

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WMX[®] Wrapped Metric Plain Bearings. Acetal X Type

Inside Diameter When Fitted		Housing Diameter (Nominal OD)		Shaft Diameter		Oil Hole Dia	L +/- 0.25	Part Number
190	+0.286 +0.130	195	+0.046 0.000	190	0.000 -0.072	9.5	50	TPX 19019550
							60	TPX 19019560
							80	TPX 19019580
							100	TPX 190195100
							120	TPX 190195120
200	+0.286 +0.130	205	+0.046 0.000	200	0.000 -0.072	9.5	50	TPX 20020550
							60	TPX 20020560
							80	TPX 20020580
							100	TPX 200205100
							120	TPX 200205120
220	+0.286 +0.130	225	+0.046 0.000	220	0.000 -0.072	9.5	50	TPX 22022550
							60	TPX 22022560
							80	TPX 22022580
							100	TPX 220225100
							120	TPX 220225120
240	+0.286 +0.130	245	+0.046 0.000	240	0.000 -0.072	9.5	50	TPX 24024550
							60	TPX 24024560
							80	TPX 24024580
							100	TPX 240245100
							120	TPX 240245120
250	+0.292 +0.130	255	+0.052 0.000	250	0.000 -0.072	9.5	50	TPX 25025550
							60	TPX 25025560
							80	TPX 25025580
							100	TPX 250255100
							120	TPX 250255120
260	+0.292 +0.130	265	+0.052 0.000	260	0.000 -0.081	9.5	50	TPX 26026550
							60	TPX 26026560
							80	TPX 26026580
							100	TPX 260265100
							120	TPX 260265120
280	+0.292 +0.130	285	+0.052 0.000	280	0.000 -0.081	9.5	50	TPX 28028550
							60	TPX 28028560
							80	TPX 28028580
							100	TPX 280285100
							120	TPX 280285120
300	+0.292 +0.130	305	+0.052 +0.000	300	-0.000 -0.081	9.5	60	TPX 30030560
							80	TPX 30030580
							100	TPX 300305100
							120	TPX 300305120

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Bowman[®] can offer a fast turn around for large wrapped bushes up to 500mm diameter



WMX® Wrapped Imperial Plain. Acetal X Type

Inside Diameter When Fitted		Housing Diameter (Nominal OD)		Shaft Diameter		L +/- 0.01	Part Number
3/8 0.375	-0.0054 -0.0083	15/32 0.4688	+0.0006 -0.0001	3/8 0.375	-0.0102 -0.0111	3/8	TFPI06TX06
						1/2	TFPI06TX08
						3/4	TFPI06TX12
7/16 0.4375	-0.0056 -0.0112	17/32 0.5313	+0.0006 -0.0001	7/16 0.4375	-0.0102 -0.0112	1/2	TFPI07TX08
						3/4	TFPI07TX12
1/2 0.500	-0.0083 -0.0056	19/32 0.5937	+0.0006 -0.0001	1/2 0.500	-0.0103 -0.0113	3/8	TFPI08TX06
						1/2	TFPI08TX08
						5/8	TFPI08TX10
						7/8	TFPI08TX14
9/16 0.5625	-0.0083 -0.0056	21/32 0.6563	+0.0006 -0.0001	9/16 0.5625	-0.0103 -0.0083	1/2	TFPI09TX08
						3/4	TFPI09TX12
5/8 0.625	-0.0083 -0.0055	23/32 0.7813	+0.0007 -0.0001	5/8 0.625	-0.0104 -0.0114	1/2	TFPI10TX08
						5/8	TFPI10TX10
						3/4	TFPI10TX12
						7/8	TFPI10TX14
11/16 0.6875	-0.0088 -0.0055	25/32 0.7813	+0.0007 -0.0001	11/16 0.625	-0.0105 -0.0115	7/8	TFPI11TX14
3/4 0.750	-0.0088 -0.0056	7/8 0.875	+0.0010 +0.0002	3/4 0.750	-0.0110 -0.0122	1/2	TFPI12TX08
						3/4	TFPI12TX12
						1	TFPI12TX16
7/8 0.875	-0.0086 -0.0054	1 1.000	+0.0008 -0.0000	7/8 0.875	-0.0109 -0.0121	3/4	TFPI14TX12
						7/8	TFPI14TX14
						1	TFPI14TX16
1 1.000	-0.0088 -0.0056	1 1/8 1.125	+0.0008 -0.0000	1 1.000	-0.0124 -0.0121	3/4	TFPI16TX12
						1	TFPI16TX16
						1 1/2	TFPI16TX24
1 1/8 1.125	-0.0088 -0.0048	1 9/32 1.2813	+0.0008 -0.0001	1 1/8 1.125	-0.0112 -0.0124	3/4	TFPI18TX12
						1	TFPI18TX16
1 1/4 1.250	-0.0086 -0.0048	1 13/32 1.4063	+0.0009 -0.0001	1 1/4 1.250	-0.0113 -0.0129	3/4	TFPI20TX12
						1	TFPI20TX16
						1 1/4	TFPI20TX20
1 3/8 1.375	-0.0086 -0.0048	1 17/32 1.5313	+0.0009 -0.0001	1 3/8 1.375	-0.0115 -0.0131	1 3/4	TFPI20TX28
						1	TFPI22TX16
						1 3/8	TFPI22TX22
						1 3/4	TFPI22TX28

Inside Diameter When Fitted		Housing Diameter (Nominal OD)		Shaft Diameter		L +/- 0.01	Part Number
1 1/2 0.500	-0.0086 -0.0048	1 21/32 0.6563	+0.0012 -0.0002	1 1/2 0.500	-0.0116 -0.0132	1	TFPI24TX16
						1 1/4	TFPI24TX20
						1 1/2	TFPI24TX24
1 5/8 1.625	-0.0086 -0.0048	1 25/32 1.7813	+0.0009 -0.0001	1 5/8 1.625	-0.0117 -0.0133	2	TFPI24TX32
						1	TFPI26TX16
1 3/4 1.750	-0.0085 -0.0039	1 15/16 1.9375	+0.0010 -0.0000	1 3/4 1.750	-0.0107 -0.0085	1 1/2	TFPI26TX24
						1	TFPI28TX16
						1 1/2	TFPI28TX24
						1 3/4	TFPI28TX28
1 7/8 1.875	-0.0035 -0.0083	2 1/16 2.0625	+0.0012 -0.0000	1 7/8 1.875	-0.0116 -0.0132	2	TFPI28TX32
						1	TFPI30TX16
						1 7/8	TFPI30TX30
2 2.000	-0.0037 -0.0085	2 3/16 2.1875	+0.0012 -0.0000	2 2.000	-0.0120 -0.0137	2 1/4	TFPI30TX36
						1	TFPI32TX16
						1 1/2	TFPI32TX24
						2	TFPI32TX32
2 1/4 2.250	-0.0037 -0.0085	2 7/16 2.4375	+0.0012 -0.0000	2 1/4 2.240	-0.0121 -0.0140	2 1/2	TFPI32TX40
						2	TFPI36TX32
						2 1/4	TFPI36TX36
2 1/2 2.500	-0.0037 -0.0085	2 11/16 2.6875	+0.0012 -0.0000	2 1/2 2.500	-0.0125 -0.0143	2 1/2	TFPI36TX40
						2	TFPI40TX32
						2 1/2	TFPI40TX40
2 3/4 2.750	-0.0043 -0.0107	2 15/16 2.9375	+0.0012 -0.0020	2 3/4 2.750	-0.0149 -0.0167	2	TFPI44TX32
						2 1/2	TFPI44TX40
						3	TFPI44TX48
						3 1/2	TFPI44TX56
3 3.000	-0.0041 -0.0107	3 3/16 3.1875	+0.0014 -0.0000	3 3.000	-0.0151 -0.0169	2	TFPI48TX32
						3	TFPI48TX48
						3 3/4	TFPI48TX60
3 1/2 3.500	-0.0041 -0.0107	3 11/16 3.6875	+0.0014 -0.0000	3 1/2 3.500	-0.0156 -0.0178	2 1/2	TFPI56TX40
						3	TFPI56TX48
						3 3/4	TFPI56TX60
4 4.000	-0.0041 -0.0107	4 3/16 4.1875	+0.0014 -0.0003	4 4.000	-0.0161 -0.0183	3	TFPI64TX48
						3 3/4	TFPI64TX60
						4 3/4	TFPI64TX76

Non-standard lengths can be supplied. If the size you require is not listed please contact our sales dept. We also offer a specialised machining service for low volume non-standard sizes and tolerances.

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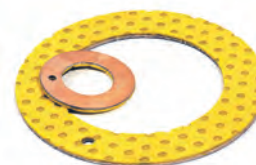
WMX[®] Strip. Acetal X Type

Length	Width	Thickness	Part Number
460	70	1.03 1.07	TXS10070
460	100	1.52 1.56	TXS15100
460	100	2.01 2.05	TXS20100
460	100	2.52 2.57	TXS25100
500	200	3.02 3.09	TXS30200



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WMX[®] Washers. Metric. Acetal X Type

Inside Diameter	Outside Diameter	Thickness	Hole Dia	Hole PCD +/- 0.12	Part Number
12	24	1.500 1.450	1.90 1.60	18	TXW12
14	26	1.577 1.487	2.40 2.10	20	TXW14
16	30	1.577 1.487	2.40 2.10	22	TXW16
18	32	1.577 1.487	2.40 2.10	25	TXW18
20	36	1.577 1.487	3.40 3.10	28	TXW20
22	38	1.577 1.487	3.40 3.10	30	TXW22
24	42	1.577 1.487	3.40 3.10	33	TXW24
26	44	1.577 1.487	3.40 3.10	35	TXW26
28	48	1.577 1.487	4.40 4.10	38	TXW28
32	54	1.577 1.487	4.40 4.10	43	TXW32
38	62	1.577 1.487	4.40 4.10	50	TXW38
42	66	1.577 1.487	4.40 4.10	54	TXW42
48	74	2.600 2.510	4.40 4.10	61	TXW48
52	78	2.600 2.510	4.40 4.10	65	TXW52

Non-standard sizes can be supplied. If the size you require is not listed please contact our sales dept. We also offer a specialised machining service for low volume non-standard sizes and tolerances.

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WMX[®] Washers. Imperial. Acetal X Type

Inside Diameter	Outside Diameter	Thickness	Hole Dia	Hole PCD	Part Number
1/2	7/8	0.066 0.062	0.077 0.067	0.692 0.682	TFWTX06
9/16	1	0.066 0.062	0.077 0.067	0.786 0.776	TFWTX07
5/8	1 1/8	0.066 0.062	0.077 0.067	0.786 0.776	TFWTX08
11/16	1 3/16	0.066 0.062	0.109 0.099	0.880 0.870	TFWTX09
3/4	1 1/4	0.066 0.062	0.109 0.099	1.005 0.995	TFWTX10
13/16	1 3/8	0.066 0.062	0.109 0.099	1.099 1.089	TFWTX11
7/8	1 1/2	0.066 0.062	0.140 0.120	1.192 1.182	TFWTX12
1	1 3/4	0.066 0.062	0.140 0.130	1.380 1.370	TFWTX14
1 1/8	2	0.066 0.062	0.171 0.161	1.567 1.557	TFWTX16
1 1/4	2 1/8	0.066 0.062	0.171 0.161	1.692 1.682	TFWTX18
1 3/8	2 1/4	0.066 0.062	0.171 0.161	1.817 1.807	TFWTX20
1 1/2	2 1/2	0.066 0.062	0.202 0.192	2.005 1.995	TFWTX22
1 5/8	2 5/8	0.066 0.062	0.202 0.192	2.130 2.120	TFWTX24
1 3/4	2 3/4	0.066 0.062	0.202 0.192	2.255 2.245	TFWTX26
2	3	0.097 0.093	0.202 0.192	2.505 2.495	TFWTX28
2 1/8	3 1/8	0.097 0.093	0.202 0.192	2.630 2.620	TFWTX30
2 1/4	3 1/4	0.097 0.093	0.202 0.192	2.755 2.745	TFWTX32

Non-standard sizes can be supplied. If the size you require is not listed please contact our sales dept. We also offer a specialised machining service for low volume non-standard sizes and tolerances.

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Standard Wrapped Bearings



(Dimensions and tolerances to ISO 3547)

Stock range includes

- Metric plain
- Imperial plain

(Some sizes supplied to order only, minimum order quantity may apply.)

Standard Wrapped Bearings Technical Data – Summary

Static Load	150 N/mm ²
Grease Lubrication	
Max Speed	2.5m/s
Maximum PV Value	2.8N/mm ² x m/s
Coefficient of Friction	0.5 - 0.15
Oil Lubrication	
Max Speed	10m/s
Maximum PV Value	10N/mm ² x m/s
Coefficient of Friction	0.5-0.12
Max Working Temperature	
Grease Lubrication	150°C
Lubrication	250°C
Alloy Hardness	HB 60-100

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WMB[®] CuSn8 Wrapped Bearings



(Dimensions and tolerances to ISO 3547)

Stock range includes

- Metric plain
- Metric washers
- Metric strip
- Imperial plain
- Imperial washers
- Imperial strip

CuSn8 Technical Data – Summary

Static load	120 N/mm ²
Dynamic load	40 N/mm ²
Maximum sliding speed	2.5 m/s with grease
Operating temperature	-100°C to +200°C
Intermittent maximum temperature	130°C
Thermal conductivity	60W/mK
Coefficient of friction	0.08 - 0.25
Max. PV Value	2.8 N/mm ² x m/s
Tensile Strength	450 N/mm ²
Yeild Point	250 N/mm ²
Hardness	HB 90-120
Elongation	40%

Fitting Guidelines

1. Always use a fitting pin and fitting collar. See our fitting data sheet.
2. Lubricate back of bearing prior to assembly.
3. Chamfer lead in on housing to assist with assembly.



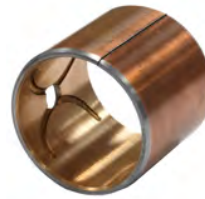
Metric Plain Standard Wrapped Bearings

Bore of Bush when in Housing H8		Housing Diameter H8		Shaft Diameter e8		Standard Lengths								Wall Thickness
						10	15	20	25	30	40	50	60	
						Bush Length (+/- 0.25mm)								
10	+0.022 0.000	12	+0.018 0.000	10	-0.025 -0.047	TFPSWB 1010M	TFPSWB 1015M	TFPSWB 1020M						1.056 – 1.007
12	+0.027 0.000	14	+0.018 0.000	12	-0.032 -0.059	TFPSWB 1210M	TFPSWB 1215M	TFPSWB 1220M						1.056 – 1.007
13	+0.027 0.000	15	+0.018 0.000	13	-0.032 -0.059	TFPSWB 1310M	TFPSWB 1315M	TFPSWB 1320M	TFPSWB 1325M					1.056 – 1.007
14	+0.027 0.000	16	+0.018 0.000	14	-0.032 -0.059	TFPSWB 1410M	TFPSWB 1415M	TFPSWB 1420M	TFPSWB 1425M					1.056 – 1.007
15	+0.027 0.000	17	+0.018 0.000	15	-0.032 -0.059	TFPSWB 1510M	TFPSWB 1515M	TFPSWB 1520M	TFPSWB 1525M					1.056 – 1.007
16	+0.027 0.000	18	+0.018 0.000	16	-0.032 -0.059		TFPSWB 1615M	TFPSWB 1620M	TFPSWB 1625M					1.056 – 1.007
18	+0.027 0.000	20	+0.021 0.000	18	-0.032 -0.059		TFPSWB 1815M	TFPSWB 1820M	TFPSWB 1825M					1.056 - 1.007
19	+0.033 0.000	22	+0.021 0.000	19	-0.040 -0.073		TFPSWB 1915M		TFPSWB 1925M	TFPSWB 1930M				1.559 – 1.507
20	+0.033 0.000	23	+0.021 0.000	20	-0.040 -0.073		TFPSWB 2015M	TFPSWB 2020M	TFPSWB 2025M	TFPSWB 2030M				1.559 – 1.507
22	+0.033 0.000	25	+0.021 0.000	22	-0.040 -0.073		TFPSWB 2215M	TFPSWB 2220M	TFPSWB 2225M	TFPSWB 2230M				1.559 – 1.507
24	+0.033 0.000	27	+0.021 0.000	24	-0.040 -0.073		TFPSWB 2415M	TFPSWB 2420M	TFPSWB 2425M	TFPSWB 2430M				1.559 – 1.507
25	+0.033 0.000	28	+0.021 0.000	25	-0.040 -0.073		TFPSWB 2515M	TFPSWB 2520M	TFPSWB 2525M	TFPSWB 2530M				1.559 – 1.507
26	+0.033 0.000	30	+0.021 0.000	26	-0.040 -0.073			TFPSWB 2620M	TFPSWB 2625M	TFPSWB 2630M	TFPSWB 2640M			2.059 – 2.010
28	+0.033 0.000	32	+0.021 0.000	28	-0.040 -0.073			TFPSWB 2820M	TFPSWB 2825M	TFPSWB 2830M	TFPSWB 2840M			2.059 – 2.010
30	+0.033 0.000	34	+0.021 0.000	30	-0.040 -0.073			TFPSWB 3020M	TFPSWB 3025M	TFPSWB 3030M	TFPSWB 3040M			2.059 – 2.010
32	+0.039 0.000	36	+0.025 0.000	32	-0.050 -0.089			TFPSWB 3220M	TFPSWB 3225M	TFPSWB 3230M	TFPSWB 3240M	TFPSWB 3250M		2.059 – 2.010
34	+0.039 0.000	38	+0.025 0.000	34	-0.050 -0.089			TFPSWB 3420M	TFPSWB 3425M	TFPSWB 3430M	TFPSWB 3440M	TFPSWB 3450M		2.059 – 2.010
35	+0.039 0.000	39	+0.025 0.000	35	-0.050 -0.089			TFPSWB 3520M	TFPSWB 3525M	TFPSWB 3530M	TFPSWB 3540M	TFPSWB 3550M		2.059 – 2.010
36	+0.039 0.000	40	+0.025 0.000	36	-0.050 -0.089			TFPSWB 3620M	TFPSWB 3625M	TFPSWB 3630M	TFPSWB 3640M	TFPSWB 3650M		2.059 – 2.010
38	+0.039 0.000	42	+0.025 0.000	38	-0.050 -0.089			TFPSWB 3820M	TFPSWB 3825M	TFPSWB 3830M	TFPSWB 3840M	TFPSWB 3850M		2.059 – 2.010
40	+0.039 0.000	44	+0.025 0.000	40	-0.050 -0.089			TFPSWB 4020M	TFPSWB 4025M	TFPSWB 4030M	TFPSWB 4040M	TFPSWB 4050M		2.059 – 2.010
42	+0.039 0.000	46	+0.025 0.000	42	-0.050 -0.089			TFPSWB 4220M	TFPSWB 4225M	TFPSWB 4230M	TFPSWB 4240M	TFPSWB 4250M		2.059 – 2.010
44	+0.039 0.000	48	+0.025 0.000	44	-0.050 -0.089			TFPSWB 4420M	TFPSWB 4425M	TFPSWB 4430M	TFPSWB 4440M	TFPSWB 4450M		2.059 – 2.010
45	+0.039 0.000	50	+0.025 0.000	45	-0.050 -0.089					TFPSWB 4530M	TFPSWB 4540M	TFPSWB 4550M	TFPSWB 4560M	2.562 – 2.513
46	+0.039 0.000	51	+0.030 0.000	46	-0.050 -0.089					TFPSWB 4630M	TFPSWB 4640M	TFPSWB 4650M	TFPSWB 4660M	2.562 – 2.513
48	+0.039 0.000	53	+0.030 0.000	48	-0.050 -0.089					TFPSWB 4830M	TFPSWB 4840M	TFPSWB 4850M	TFPSWB 4860M	2.562 – 2.513
50	+0.039 0.000	55	+0.030 0.000	50	-0.050 -0.089					TFPSWB 5030M	TFPSWB 5040M	TFPSWB 5050M	TFPSWB 5060M	2.562 – 2.513
52	+0.046 0.000	57	+0.030 0.000	52	-0.060 -0.160					TFPSWB 5230M	TFPSWB 5240M	TFPSWB 5250M	TFPSWB 5260M	2.562 – 2.513
55	+0.046 0.000	60	+0.030 0.000	55	-0.060 -0.160					TFPSWB 5530M	TFPSWB 5540M	TFPSWB 5550M	TFPSWB 5560M	2.562 – 2.513
58	+0.046 0.000	63	+0.030 0.000	58	-0.060 -0.160					TFPSWB 5830M	TFPSWB 5840M	TFPSWB 5850M	TFPSWB 5860M	2.562 – 2.513

No oil hole or oil groove is present in metric size.

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Imperial Plain Standard Wrapped Bearings

Bore of Bush when in Housing		Housing Diameter		Shaft Diameter		Standard Lengths														Wall Thickness
						3/8	1/2	5/8	3/4	7/8	1	1 1/4	1 1/2	1 3/4	2	2 1/4	2 1/2	2 3/4	3	
						5/32 Oil Hole diameter				1/4 Oil Hole diameter		1/4 or 5/16 Oil Hole			1/4 or 3/8 Oil Hole	3/8 Oil Hole diameter				
3/8	+0.009 0.000	15/32	+0.010 0.000	3/8	-0.010 -0.019	TFPSWB 1203	TFPSWB 1204	TFPSWB 2305	TFPSWB 1206											0.049 - 0.047
7/16	+0.010 0.000	17/32	+0.010 0.000	7/16	-0.012 -0.022	TFPSWB 1403	TFPSWB 1404		TFPSWB 1406											0.049 - 0.047
1/2	+0.010 0.000	19/32	+0.010 0.000	1/2	-0.012 -0.022	TFPSWB 1603	TFPSWB 1604	TFPSWB 1605	TFPSWB 1606	TFPSWB 1607										0.049 - 0.047
9/16	+0.010 0.000	21/32	+0.010 0.000	9/16	-0.012 -0.022		TFPSWB 1804	TFPSWB 1805	TFPSWB 1806	TFPSWB 1807										0.049 - 0.047
5/8	+0.010 0.000	23/32	+0.010 0.000	5/8	-0.012 -0.022	TFPSWB 2003	TFPSWB 2004	TFPSWB 2005	TFPSWB 2006	TFPSWB 2007	TFPSWB 2008									0.049 - 0.047
11/16	+0.010 0.000	25/32	+0.012 0.000	11/16	-0.012 -0.022			TFPSWB 2205	TFPSWB 2206	TFPSWB 2207										0.049 - 0.047
3/4	+0.012 0.000	7/8	+0.012 0.000	3/4	-0.016 -0.028		TFPSWB 2404	TFPSWB 2405	TFPSWB 2406		TFPSWB 2408	TFPSWB 2410								0.065 - 0.063
13/16	+0.012 0.000	15/16	+0.012 0.000	13/16	-0.016 -0.028				TFPSWB 2606		TFPSWB 2608									0.065 - 0.063
7/8	+0.012 0.000	1	+0.012 0.000	7/8	-0.016 -0.065		TFPSWB 2804		TFPSWB 2806		TFPSWB 2808	TFPSWB 2810								0.065 - 0.063
15/16	+0.012 0.000	1 1/16	+0.012 0.000	15/16	-0.064 -0.065		TFPSWB 3004		TFPSWB 3006		TFPSWB 3008	TFPSWB 3010								0.065 - 0.063
1	+0.012 0.000	1 1/8	+0.012 0.000	1	-0.064 -0.065		TFPSWB 3204		TFPSWB 3206		TFPSWB 3208	TFPSWB 3210	TFPSWB 3212							0.065 - 0.063
1 1/8	+0.012 0.000	19/32	+0.016 0.000	1 1/8	-0.126 -0.127				TFPSWB 3606		TFPSWB 3608	TFPSWB 3610	TFPSWB 3612							0.080 - 0.078
1 1/4	+0.016 0.000	1 13/32	+0.016 0.000	1 1/4	-0.126 -0.127				TFPSWB 4006		TFPSWB 4008	TFPSWB 4010	TFPSWB 4012	TFPSWB 4014						0.080 - 0.078
1 3/8	+0.016 0.000	1 17/32	+0.016 0.000	1 3/8	-0.127 -0.128				TFPSWB 4406		TFPSWB 4408	TFPSWB 4410	TFPSWB 4412	TFPSWB 4414						0.080 - 0.078
1 1/2	+0.016 0.000	1 21/32	+0.016 0.000	1 1/2	-0.127 -0.128				TFPSWB 4806		TFPSWB 4808	TFPSWB 4810	TFPSWB 4812	TFPSWB 4814	TFPSWB 4816					0.080 - 0.078
1 5/8	+0.016 0.000	1 25/32	+0.016 0.000	1 5/8	-0.127 -0.128				TFPSWB 5206		TFPSWB 5208	TFPSWB 5210	TFPSWB 5212	TFPSWB 5214	TFPSWB 5216					0.080 - 0.078
1 3/4	+0.016 0.000	1 15/16	+0.016 0.000	1 3/4	-0.002 -0.003						TFPSWB 5608	TFPSWB 5610*	TFPSWB 5612*	TFPSWB 5614*	TFPSWB 5616*					0.096 - 0.094
1 7/8	+0.016 0.000	2 1/16	+0.018 0.000	1 7/8	-0.002 -0.003						TFPSWB 6008	TFPSWB 6010*	TFPSWB 6012*	TFPSWB 6014*	TFPSWB 6016*	TFPSWB 6018				0.096 - 0.094
2	+0.018 0.000	2 3/16	+0.018 0.000	2	-0.002 -0.004						TFPSWB 6408	TFPSWB 6410*	TFPSWB 6412*	TFPSWB 6414*	TFPSWB 6416*	TFPSWB 6418	TFPSWB 6420			0.096 - 0.094
2 1/4	+0.018 0.000	2 7/16	+0.018 0.000	2 1/4	-0.002 -0.004						TFPSWB 7208	TFPSWB 7210	TFPSWB 7212*	TFPSWB 7214*	TFPSWB 7216*	TFPSWB 7218	TFPSWB 7220			0.096 - 0.094
2 1/2	+0.018 0.000	2 11/16	+0.018 0.000	2 1/2	-0.002 -0.004							TFPSWB 8010*	TFPSWB 8012*	TFPSWB 8014*	TFPSWB 8016*	TFPSWB 8018	TFPSWB 8020	TFPSWB 8022		0.096 - 0.094
2 3/4	+0.018 0.000	2 15/16	+0.018 0.000	2 3/4	-0.002 -0.004										TFPSWB 8816*	TFPSWB 8818	TFPSWB 8820	TFPSWB 8822	TFPSWB 8824	0.096 - 0.094
3	+0.018 0.000	3 3/16	+0.018 0.000	3	-0.002 -0.004										TFPSWB 9616*	TFPSWB 9618	TFPSWB 9620	TFPSWB 9622	TFPSWB 9624	0.096 - 0.094

* denotes larger of the 2 oil holes quoted.

Lining thickness as supplied: 0.03 minimum

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WMB[®] Metric Plain Wrapped Bronze CuSn8

Bore of Bush when in Housing		Housing Diameter H7		Shaft Diameter		Standard Lengths									
						10	15	20	25	30	40	50	60	70	80
						ID < 80 Length +/- 0.25					ID > 80 Length +/- 0.50				
10	+0.043 0.000	12	+0.018 0.000	10	-0.013 -0.028	BFP 101210	BFP 101215	BFP 101220							
12	+0.043 0.000	14	+0.018 0.000	12	-0.016 -0.034	BFP 121410	BFP 121415	BFP 121420							
14	+0.043 0.000	16	+0.018 0.000	14	-0.016 -0.034	BFP 141610	BFP 141615	BFP 141620	BFP 141625						
15	+0.043 0.000	17	+0.018 0.000	15	-0.016 -0.034	BFP 151710	BFP 151715	BFP 151720	BFP 151725						
16	+0.043 0.000	18	+0.018 0.000	16	-0.016 -0.034	BFP 161810	BFP 161815	BFP 161820	BFP 161825						
18	+0.043 0.000	20	+0.018 0.000	18	-0.016 -0.034	BFP 182010	BFP 182015	BFP 182020	BFP 182025						
20	+0.052 0.000	23	+0.021 0.000	20	-0.020 -0.041	BFP 202310	BFP 202315	BFP 202320	BFP 202325	BFP 202330					
22	+0.052 0.000	25	+0.021 0.000	22	-0.020 -0.041	BFP 222510	BFP 222515	BFP 222520	BFP 222525	BFP 222530					
24	+0.052 0.000	27	+0.021 0.000	24	-0.020 -0.041		BFP 242715	BFP 242720	BFP 242725	BFP 242730					
25	+0.052 0.000	28	+0.021 0.000	25	-0.020 -0.041		BFP 252815	BFP 252820	BFP 252825	BFP 252830					
28	+0.052 0.000	32	+0.021 0.000	28	-0.020 -0.041		BFP 283215	BFP 283220	BFP 283225	BFP 283230					
30	+0.052 0.000	34	+0.021 0.000	30	-0.020 -0.041		BFP 303415	BFP 303420	BFP 303425	BFP 303430	BFP 303440				
32	+0.062 0.000	36	+0.025 0.000	32	-0.025 -0.050		BFP 323615	BFP 323620	BFP 323625	BFP 323630	BFP 323640	BFP 323650			
35	+0.062 0.000	39	+0.025 0.000	35	-0.025 -0.050		BFP 353915	BFP 353920	BFP 353925	BFP 353930	BFP 353940	BFP 353950			
40	+0.062 0.000	44	+0.025 0.000	40	-0.025 -0.050			BFP 404420	BFP 404425	BFP 404430	BFP 404440	BFP 404450			
45	+0.062 0.000	50	+0.025 0.000	45	-0.025 -0.050			BFP 455020	BFP 455025	BFP 455030	BFP 455040	BFP 455050			
50	+0.062 0.000	55	+0.025 0.000	50	-0.025 -0.050			BFP 505520	BFP 505525	BFP 505530	BFP 505540	BFP 505550	BFP 505560		
55	+0.074 0.000	60	+0.030 0.000	55	-0.030 -0.060			BFP 556020	BFP 556025	BFP 556030	BFP 556040	BFP 556050	BFP 556060		
60	+0.074 0.000	65	+0.030 0.000	60	-0.030 -0.060				BFP 606525	BFP 606530	BFP 606540	BFP 606550	BFP 606560	BFP 606570	
65	+0.074 0.000	70	+0.030 0.000	65	-0.030 -0.060					BFP 657030	BFP 657040	BFP 657050	BFP 657060	BFP 657070	BFP 657080
70	+0.074 0.000	75	+0.030 0.000	70	-0.030 -0.060					BFP 707530	BFP 707540	BFP 707550	BFP 707560	BFP 707570	BFP 707580
75	+0.074 0.000	80	+0.030 0.000	75	-0.030 -0.060					BFP 758030	BFP 758040	BFP 758050	BFP 758060	BFP 758070	BFP 758080
80	+0.074 0.000	85	+0.030 0.000	80	-0.030 -0.060					BFP 808530	BFP 808540	BFP 808550	BFP 808560	BFP 808570	BFP 808580

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WMB® Metric Plain Wrapped Bronze CuSn8

Bore of Bush when in Housing		Housing Diameter		Shaft Diameter		Standard Lengths							
						30	40	50	60	70	80	90	100
						ID < 80 Length +/- 0.25				ID > 80 Length +/- 0.50			
85	+0.087 0.000	90	+0.035 0.000	85	-0.036 -0.071	BFP 859030	BFP 859040	BFP 859050	BFP 859060	BFP 859070	BFP 859080		
90	+0.087 0.000	95	+0.035 0.000	90	-0.036 -0.071	BFP 909530	BFP 909540	BFP 909550	BFP 909560	BFP 909570	BFP 909580		
95	+0.087 0.000	100	+0.035 0.000	95	-0.036 -0.071		BFP 9510040	BFP 9510050	BFP 9510060	BFP 9510070	BFP 9510080	BFP 9510090	BFP 9510100
100	+0.087 0.000	105	+0.035 0.000	100	-0.036 -0.071			BFP 10010550	BFP 10010560	BFP 10010570	BFP 10010580	BFP 10010590	BFP 10010600
105	+0.087 0.000	110	+0.035 0.000	105	-0.036 -0.071			BFP 10511050	BFP 10511060	BFP 10511070	BFP 10511080	BFP 10511090	BFP 10511100
110	+0.087 0.000	115	+0.035 0.000	110	-0.036 -0.071			BFP 11011550	BFP 11011560	BFP 11011570	BFP 11011580	BFP 11011590	BFP 11011600
115	+0.087 0.000	120	+0.035 0.000	115	-0.036 -0.071			BFP 11512050	BFP 11512060	BFP 11512070	BFP 11512080	BFP 11512090	BFP 11512100
120	+0.087 0.000	125	+0.035 0.000	120	-0.036 -0.071				BFP 12012560	BFP 12012570	BFP 12012580	BFP 12012590	BFP 12012600
125	+0.100 0.000	130	+0.040 0.000	125	-0.043 -0.083				BFP 12513060	BFP 12513070	BFP 12513080	BFP 12513090	BFP 12513100
130	+0.100 0.000	135	+0.040 0.000	130	-0.043 -0.083				BFP 13013560	BFP 13013570	BFP 13013580	BFP 13013590	BFP 13013600
135	+0.100 0.000	140	+0.040 0.000	135	-0.043 -0.083				BFP 13514060	BFP 13514070	BFP 13514080	BFP 13514090	BFP 13514100
140	+0.100 0.000	145	+0.040 0.000	140	-0.043 -0.083				BFP 14014560	BFP 14014570	BFP 14014580	BFP 14014590	BFP 14014600
145	+0.100 0.000	150	+0.040 0.000	145	-0.043 -0.083				BFP 14515060	BFP 14515070	BFP 14515080	BFP 14515090	BFP 14515100
150	+0.100 0.000	155	+0.040 0.000	150	-0.043 -0.083				BFP 15015560	BFP 15015570	BFP 15015580	BFP 15015590	BFP 15015600
155	+0.100 0.000	160	+0.040 0.000	155	-0.043 -0.083				BFP 15516060	BFP 15516070	BFP 15516080	BFP 15516090	BFP 15516100
160	+0.100 0.000	165	+0.040 0.000	160	-0.043 -0.083				BFP 16016560	BFP 16016570	BFP 16016580	BFP 16016590	BFP 16016600
165	+0.100 0.000	170	+0.040 0.000	165	-0.043 -0.083				BFP 16517060	BFP 16517070	BFP 16517080	BFP 16517090	BFP 16517100
170	+0.100 0.000	175	+0.040 0.000	170	-0.043 -0.083				BFP 17017560	BFP 17017570	BFP 17017580	BFP 17017590	BFP 17017600
175	+0.100 0.000	180	+0.040 0.000	175	-0.043 -0.083				BFP 17518060	BFP 17518070	BFP 17518080	BFP 17518090	BFP 17518100
180	+0.100 0.000	185	+0.040 0.000	180	-0.043 -0.083				BFP 18018560	BFP 18018570	BFP 18018580	BFP 18018590	BFP 18018600
185	+0.115 0.000	190	+0.046 0.000	185	-0.050 -0.096				BFP 18519060	BFP 18519070	BFP 18519080	BFP 18519090	BFP 18519100
190	+0.115 0.000	195	+0.046 0.000	190	-0.050 -0.096				BFP 19019560	BFP 19019570	BFP 19019580	BFP 19019590	BFP 19019600
195	+0.115 0.000	200	+0.046 0.000	195	-0.050 -0.096				BFP 19520060	BFP 19520070	BFP 19520080	BFP 19520090	BFP 19520100
200	+0.115 0.000	205	+0.046 0.000	200	-0.050 -0.096				BFP 20020560	BFP 20020570	BFP 20020580	BFP 20020590	BFP 20020600
205	+0.115 0.000	210	+0.046 0.000	205	-0.050 -0.096				BFP 20521060	BFP 20521070	BFP 20521080	BFP 20521090	BFP 20521100
215	+0.115 0.000	220	+0.046 0.000	215	-0.050 -0.096				BFP 21522060	BFP 21522070	BFP 21522080	BFP 21522090	BFP 21522100
220	+0.115 0.000	225	+0.046 0.000	220	-0.050 -0.096				BFP 22022560	BFP 22022570	BFP 22022580	BFP 22022590	BFP 22022600
225	+0.115 0.000	230	+0.046 0.000	225	-0.050 -0.096				BFP 22523060	BFP 22523070	BFP 22523080	BFP 22523090	BFP 22523100
230	+0.115 0.000	235	+0.046 0.000	230	-0.050 -0.096				BFP 23023560	BFP 23023570	BFP 23023580	BFP 23023590	BFP 23023600
240	+0.115 0.000	245	+0.046 0.000	240	+0.050 +0.096				BFP 24024560	BFP 24024570	BFP 24024580	BFP 24024590	BFP 24024600
250	+0.115 0.000	255	+0.046 0.000	250	+0.050 +0.096				BFP 25025560	BFP 25025570	BFP 25025580	BFP 25025590	BFP 25025600
260	+0.130 0.000	265	+0.052 0.000	260	+0.056 +0.108				BFP 26026560	BFP 26026570	BFP 26026580	BFP 26026590	BFP 26026600
270	+0.130 0.000	275	+0.052 0.000	270	+0.056 +0.108				BFP 27027560	BFP 27027570	BFP 27027580	BFP 27027590	BFP 27027600
280	+0.130 0.000	285	+0.052 0.000	280	+0.056 +0.108				BFP 28028560	BFP 28028570	BFP 28028580	BFP 28028590	BFP 28028600
290	+0.130 0.000	295	+0.052 0.000	290	+0.056 +0.108				BFP 29029560	BFP 29029570	BFP 29029580	BFP 29029590	BFP 29029600
300	+0.130 0.000	305	+0.052 0.000	300	+0.056 +0.108				BFP 30030560	BFP 30030570	BFP 30030580	BFP 30030590	BFP 30030600

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WMB[®] Metric Flanged Wrapped Bronze CuSn8

Bore of Bush when in Housing		Housing Diameter		Shaft Diameter		Flange Dia	Standard Lengths									
							5	10	15	20	25	30	35	40	50	60
							ID < 80 Length +/- 0.25					ID > 80 Length +/- 0.50				
25	+0.052 0.000	28	+0.021 0.000	25	-0.020 -0.041	35			BFF 251535	BFF 252035	BFF 252535	BFF 253035				
30	+0.052 0.000	34	+0.025 0.000	30	-0.020 -0.041	45				BFF 302045	BFF 302545	BFF 303045	BFF 303545			
35	+0.062 0.000	39	+0.025 0.000	35	-0.025 -0.050	50				BFF 352050	BFF 352550	BFF 353050	BFF 353550			
40	+0.062 0.000	44	+0.025 0.000	40	-0.025 -0.050	55					BFF 402555	BFF 403055	BFF 403555	BFF 404055		
45	+0.062 0.000	50	+0.025 0.000	45	-0.025 -0.050	60						BFF 453060	BFF 453560	BFF 454060	BFF 455060	
50	+0.062 0.000	55	+0.030 0.000	50	-0.025 -0.050	65						BFF 503065	BFF 503565	BFF 504065	BFF 505065	
55	+0.074 0.000	60	+0.030 0.000	55	-0.030 -0.060	70						BFF 553070	BFF 553570	BFF 554070	BFF 555070	
60	+0.074 0.000	65	+0.030 0.000	60	-0.030 -0.060	75						BFF 603075	BFF 603575	BFF 604075	BFF 605075	BFF 606075
65	+0.074 0.000	70	+0.030 0.000	65	-0.030 -0.060	80						BFF 653080	BFF 653580	BFF 654080	BFF 655080	BFF 656080

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Bore of Bush when in Housing		Housing Diameter		Shaft Diameter		Flange Dia	Standard Lengths						
							35	40	50	60	70	80	90
							ID < 80 Length +/- 0.25			ID > 80 Length +/- 0.50			
70	+0.074 0.000	75	+0.030 0.000	70	-0.030 -0.060	85	BFF 703585	BFF 704085	BFF 705085	BFF 706085	BFF 707085		
75	+0.074 0.000	80	+0.030 0.000	75	-0.030 -0.060	90	BFF 753590	BFF 754090	BFF 755090	BFF 756090	BFF 757090		
80	+0.074 0.000	85	+0.035 0.000	80	-0.030 -0.060	100		BFF 8040100	BFF 8050100	BFF 8060100	BFF 8070100	BFF 8080100	
90	+0.087 0.000	95	+0.035 0.000	90	-0.036 -0.071	110			BFF 9050110	BFF 9060110	BFF 9070110	BFF 9080110	BFF 9090110
100	+0.087 0.000	105	+0.035 0.000	100	-0.036 -0.071	120			BFF 10050120	BFF 10060120	BFF 10070120	BFF 10080120	BFF 10090120
110	+0.087 0.000	115	+0.035 0.000	110	-0.036 -0.071	130			BFF 11050130	BFF 11060130	BFF 11070130	BFF 11080130	BFF 11090130
120	+0.087 0.000	125	+0.040 0.000	120	-0.036 -0.071	140				BFF 12060140	BFF 12070140	BFF 12080140	BFF 12090140
130	+0.100 0.000	135	+0.040 0.000	130	-0.043 -0.083	155				BFF 13060155	BFF 13070155	BFF 13080155	BFF 13090155
140	+0.100 0.000	145	+0.040 0.000	140	-0.043 -0.083	165				BFF 14060165	BFF 14070165	BFF 14080165	BFF 14090165
150	+0.100 0.000	155	+0.040 0.000	150	-0.043 -0.083	180				BFF 15060180	BFF 15070180	BFF 15080180	BFF 15090180
160	+0.100 0.000	165	+0.040 0.000	160	-0.043 -0.083	190				BFF 16060190	BFF 16070190	BFF 16080190	BFF 16090190
170	+0.100 0.000	175	+0.040 0.000	170	-0.043 -0.083	200				BFF 17060200	BFF 17070200	BFF 17080200	BFF 17090200
180	+0.100 0.000	185	+0.046 0.000	180	-0.043 -0.083	215				BFF 18060215	BFF 18070215	BFF 18080215	BFF 18090215
190	+0.115 0.000	195	+0.046 0.000	190	-0.050 -0.096	225				BFF 19060225	BFF 19070225	BFF 19080225	BFF 19090225
200	+0.115 0.000	205	+0.046 0.000	200	-0.050 -0.096	235				BFF 20060235	BFF 20070235	BFF 20080235	BFF 20090235
225	+0.115 0.000	230	+0.046 0.000	225	-0.050 -0.096	260				BFF 22560260	BFF 22570260	BFF 22580260	BFF 22590260
250	+0.115 0.000	255	+0.052 0.000	250	-0.050 -0.096	290				BFF 25060290	BFF 25070290	BFF 25080290	BFF 25090290
265	+0.130 0.000	270	+0.052 0.000	265	-0.056 -0.108	305				BFF 26560305	BFF 26570305	BFF 26580305	BFF 26590305
285	+0.130 0.000	290	+0.052 0.000	285	-0.056 -0.108	325				BFF 28560325	BFF 28570325	BFF 28580325	BFF 28590325
300	+0.130 0.000	305	+0.052 0.000	300	-0.056 -0.108	340				BFF 30060340	BFF 30070340	BFF 30080340	BFF 30090340

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Bearing ID Below 120mm

