

Idlers for Round Belts

Narrow Type

Type		Main Body		Thread		Bearing
Standard	Threaded	Material	Surface Treatment	Material	Surface Treatment	Material
MBF	MBFN	EN 1.1191 Equiv.	Black Oxide	EN 1.1191 Equiv.	Black Oxide	Steel
MBFM	MBFNM	EN 1.1191 Equiv.	Electroless Nickel Plating	EN 1.1191 Equiv.	Electroless Nickel Plating	Steel
MBFA	MBFNA	Aluminum Alloy 5000 series	Clear Anodize	EN 1.4301 Equiv.	-	Stainless Steel
MBFS	MBFNS	EN 1.4301 Equiv.	-	EN 1.4301 Equiv.	-	Stainless Steel

Standard: (2xR) R, 0.1, P.D., D, d, B

Threaded: (2xR) R, 6.3 (1.6), P.D., D, d, B, F1

*Bearing Accuracy: JIS B1514 Class 0
 *Bearings are glued.
 *Threaded pins are swaged on.

Part Number Type	P.D.	R	F	d	P	D	D1	B	Bearing	M	G	F1	Applicable Round Belt Dia.		
Standard MBF MBFM MBFA MBFS	*15	1.1	-	4	11	17	13	4	694ZZ	-	-	-	2		
	*20			5	16	21	18	5	624ZZ	-	-	-	2		
	*30			5	16	32	28	5	625ZZ	-	-	-	2		
	Threaded MBFN MBFNM MBFNA MBFNS	*20	1.6	-	4	13	22	17	5	624ZZ	-	-	-	3	
		*23			5	16	25	20	5	625ZZ	-	-	-	3	
		*30			5	16	32	27	5	625ZZ	-	-	-	3	
		Standard	*18	2.1	8	5	11	20	14	5	685ZZ	-	-	-	4
			*23			6	15	25	19	5	696ZZ	M6	3	1.0	4
			*28			8	19	30	24	5	626ZZ	M6	3	1.0	4
			Threaded	*30	2.6	12	8	19	32	26	6	698ZZ	M10	6	1.5
*40				12			24	42	36	6	6901ZZ	M10	6	1.5	5
*48				12			24	50	44	6	626ZZ	M6	3	1.0	5
Standard				*28	3.1	10	8	24	40	32	8	628ZZ	M8	4	1.0
	*40			10			19	42	35	8	698ZZ	M6	3	1.0	5
	*48			12			24	50	43	6	6901ZZ	M10	6	1.5	5
	Threaded			*50	4.1	12	12	24	52	45	10	6201ZZ	M10	6	1.5
		*38		10			8	40	32	8	628ZZ	M8	4	1.0	6
		*48		12			24	50	42	8	6001ZZ	M10	6	1.5	6
		Standard		*60	5.1	12	20	37	102	94	9	6904ZZ	M10	6	1.5
			*80	12			12	32	22	10	6201ZZ	M10	6	1.5	8
			*100	12			12	32	22	10	6201ZZ	M10	6	1.5	8
			Threaded	*60	5.1	12	20	37	102	94	9	6904ZZ	M10	6	1.5
*80				12			12	32	22	10	6201ZZ	M10	6	1.5	8
*140				12			12	32	22	10	6201ZZ	M10	6	1.5	8

For detailed bearing dimensions, see P989, 991.

P.D.	R	Unit Price							
		Standard				Threaded			
		MBF	MBFM	MBFA	MBFS	MBFN	MBFNM	MBFNA	MBFNS
15	1.1								
20									
30									
20	1.6								
23									
30									
18	2.1								
23									
28									
30	2.6								
40									
48									
50	3.1								
38									
48									
50	4.1								
60									
100									
50	5.1								
60									
80									
140									

Ordering Example

Part Number - R

MBF28 - 2.6

MBFN38 - 3.1

MBG40 - 2

Alterations Example

Part Number - R - (DC)

MBFN40 - 2.1 - DC

Alterations Code

O.D. Cut DC

Reduces D diameter by cutting.

Spec.

Ordering Code	DC	Available R	DC
1/1.1	P.D.+0.8	1.1	1.1
1.5/1.6	P.D.+1.2	1.5	1.6
2/2.1	P.D.+1.6	2.0	2.1
2.5/2.6	P.D.+1.8	2.5	2.6

*Available only for products with R 1/1.1, 1.5/1.6, 2/2.1 and 2.5/2.6

*Surface treatment may not be applied to the machined area.

EX Example

Round Belt

Motor (P.1341)

MBR (Pulley) (P.1339)

MBG, MBF

Idlers for Round Belts

Wide

Type		Main Body		Thread		Bearing	Accessory
Standard	Threaded	Material	Surface Treatment	Material	Surface Treatment	Material	Material
MBG	MBGN	EN 1.1191 Equiv.	Black Oxide	EN 1.1191 Equiv.	Black Oxide	Steel	Retaining Ring (EN 1.4301 Equiv.)
MBGM	MBGNM	EN 1.1191 Equiv.	Electroless Nickel Plating	EN 1.1191 Equiv.	Electroless Nickel Plating	Steel	Retaining Ring (EN 1.4301 Equiv.)
MBGA	MBGNA	EN AW-5052 Equiv.	Clear Anodize	EN 1.4301 Equiv.	-	Stainless Steel	-
MBGS	MBGNS	EN 1.4301 Equiv.	-	EN 1.4301 Equiv.	-	Stainless Steel	-
MBGJ	MBGNJ	Polyacetal	-	-	-	Steel	-

Standard: (2xR) R, 60°, C Type Retaining Ring for Hole, P.D., D, d, B, T, t

Threaded: (2xR) R, 60°, C Type Retaining Ring for Hole, P.D., D, d, B, T, t, F1

*Bearing Accuracy: JIS B1514 Class 0
 *Bearings are press-fit.
 *Cannot be disassembled.
 *Threaded pins are swaged on.

Part Number Type	P.D.	R	d	P	dh	D	D1	T	t	B	Bearing	M	G	F	F1	Applicable Round Belt Dia.		
Standard MBG MBGM MBGA MBGS MBGJ	*15	1	3	10	8	17	13	10	6.5	5	623ZZ	-	-	-	-	2		
	*20		5	16	13	22	18	12	7.5	6	625ZZ	-	-	-	-	2		
	*30		5	16	32	27	22	12	9	7	626ZZ	M6	3	8	1	3		
	Threaded MBGN MBGNM MBGNA MBGNS MBGNJ	*20	1.5	4	13	11	22	17	10	7.5	6	624ZZ	-	-	-	-	3	
		*23		6	19	16	32	27	12	9	7	626ZZ	M6	3	8	1	3	
		*30		5	16	32	27	10	7.5	6	625ZZ	-	-	-	-	3		
		Standard	*28	2	6	19	16	32	26	12	9	7	626ZZ	M6	3	8	1	4
			*30		10	26	23	42	36	15	11.5	9.2	6000ZZ	M8	5	10	-	4
			*40		12	28	25	50	44	15	11.5	9.2	6001ZZ	M10	6	12	1.5	4
			Threaded	*48	2.5	10	26	23	42	35	15	11.5	9.2	6000ZZ	M8	5	10	-
*50				12		28	25	52	45	15	11.5	9.2	6001ZZ	M10	6	12	1.5	5
*60				12		28	25	62	55	15	11.5	9.2	6001ZZ	M10	6	12	1.5	5
Standard				*28	3	6	19	16	30	22	12	9	7	626ZZ	M6	3	8	1
	*38			10		26	23	40	32	15	11.5	9.2	6000ZZ	M8	5	10	-	6
	*48			12		28	25	50	42	15	11.5	9.2	6001ZZ	M10	6	12	1.5	6
	Threaded			*50	4	12	28	25	52	45	15	11.5	9.2	6001ZZ	M10	6	12	1.5
		*60		12		28	25	62	55	15	11.5	9.2	6001ZZ	M10	6	12	1.5	6
		*80		12		28	25	82	74	15	11.5	9.2	6001ZZ	M10	6	12	1.5	6
		Standard		*100	5	15	32	28	102	94	16	12.5	10.2	6002ZZ	M10	6	12	1
			*50	12		28	25	52	42	15	11.5	9.2	6001ZZ	M10	6	12	1.5	6
			*60	12		28	25	62	50	15	11.5	9.2	6001ZZ	M10	6	12	1.5	6
			Threaded	*80	5	15	32	28	102	94	16	12.5	10.2	6002ZZ	M10	6	12	1
*100				15		32	28	122	112	16	12.5	10.2	6002ZZ	M10	6	12	1	10
*140				15		32	28	142	130	16	12.5	10.2	6002ZZ	M10	6	12	1	10

For detailed bearing dimensions, see P989, 991.

P.D.	R	Unit Price									
		Standard				Threaded					
		MBG	MBGM	MBGA	MBGS	MBGJ	MBGN	MBGNM	MBGNA	MBGNS	MBGNJ
15	1										
20											
30											
20	1.5										
23											
30											
23	2										
28											
30											
40	2.5										
48											
50											
60	3										
80											
100											
50	4										
60											
80											
100	5										
120											
140											

Ordering Example, Days to Ship, Volume Discount Rate, Alterations and App. Example Left-hand Page