ENGINEERING SUCCESS THROUGH

Precision Manufacturing

BESTOMECH

BESTOMECH INDUSTRIES

Precision In Every Process. Excellence In Every Part.

www.bestomech.com | info@bestomech.com

About Us

Powering Performance With Precision.

Since **1991**, Bestomech Industries Has Been Delivering High-Quality **Pulleys**, **Sheaves, Diverter Wheels**, **Sprockets**, And **Machined Cast-Iron Parts**. With A State-Of-The-Art Facility Spanning 1,00,000 Sq. Ft., We Are **ISO 9001:2015** Certified And Follow 5S, Lean, And Cell Concepts To Ensure Precision, Reliability, And Performance In Every Product.

Advantages

Strong & Safe

Durable Quality

Trusted Precision

fast delivery

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01 TAPER BUSH PULLEY

Product Overview :

The Taper Bush Pulleys from Bestomech are designed to be precise, long-lasting, and simple to install. They are made of premium Grey & SG Iron with ED/CED coating for corrosion resistance. They provide dependable power transmission and are easy to install and remove, which minimizes maintenance and downtime.

Precision Fit Design

Taper bush design ensures a secure fit and easy installation across drive systems.

Compact & Quiet Operation

Precision-balanced pulleys ensure smooth, silent operation for noise-sensitive applications.

High Strength & Stability

Made from Grey & SG Iron for high strength, durability, and long service life.

Corrosion-Resistant Finish

ED/CED Coating Protects Against Wear, Rust, And Harsh Environmental Conditions — Extending Product Lifespan.

INTRODUCTION

Bestomech is specialized in manufacturing, supplying and exporting of Taper Bush Pulleys, which is used over a variety of engineering sectors. Taper Bush Pulleys are easy to fit and remove, with simplified mechanisms. Bestomech Pulleys are a class apart, as they are manufactured in a very controlled manner with high quality casting to CNC Machining to CED coating. Our Taper bush pulleys are designed for heavy-duty applications, considering the high strength and durability aspect, while keeping the pulley standards constant.

Range

Pulley Type	Belt Compatibility	Bush Type	Material
Standard Taper Bush Pulley	Z, SPZ, A, SPA, B, SPB, C, SPC Belts	FG260:IS210	Grey & SG Iron
Custom Profiles	As per design requirement	-	Available on request

BESTOMECH TAPER BUSH PULLEYS

When Bestomech Taper-Lock® Bushes are used, it is possible for even an unskilled laborer to “shrink-fit” pulleys, couplings, etc., onto shafts only with a hexagon wrench (Allen key).
The arrangement of half-threaded holes and longitudinally split tapered bushes ensures maximum grip and fast, easy fitting. Tightening of the screws into the threaded holes in the hub forces the bush into the taper bored components, thereby effectively contracting the bore of the Taper-Lock® Bush until the equivalent of a shrink fit is obtained. Bestomech Taper-Lock® Bushes are suitable for metric shafts and can also be supplied with imperial bores and keyways.

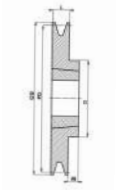
Advantages :

- No re-boring and keywaying costs.
- Saves time and cost in fitting.
- Eliminates precision taper fitting keys.
- 239 bush size–bore combinations are available
- Interchangeable between many products.
- Taper bored components can be transferred to other diameter shafts by using alternative bore bushes.
- Convenient dismantling for maintenance and component replacement.
- Accommodates shaft limits of +0.051 mm / +0.127 mm.

All Bestomech pulleys are manufactured from superior quality cast iron in over 400 standard sizes and also according to additional sizes against special requirements. Bestomech metric pulleys conform to IS and ISO groove specifications and can transmit up to 280 kW of power at 1440 rpm with speed ratios up to 1:7. Available with excellent pre- and post-sales service through the Bestomech network of branches and dealers.

V / WEDGE BELT SECTION	A	B	C	SPZ	SPA	SPB	SPC
	80	125	200	56	90	60	224

Type 1



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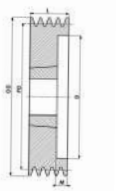

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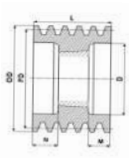

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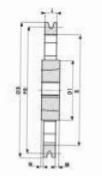

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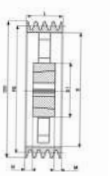

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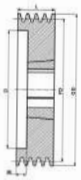

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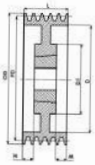

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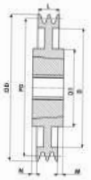

BESTOMECH TAPER BUSH PULLEYS

Pulleys For Z, SPZ Belts

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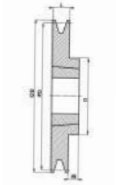

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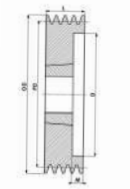

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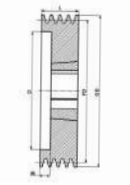

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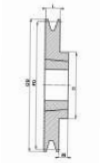
						OD	Metric	Inch			
1	BM-1Z-67-T1FG*	67	1	1108	1	71	28	1 1/8"	16	-	6.2
2	BM-2Z-67-T6FG*	67	2	1108	6	71	28	1 1/8"	28	-	5.8
3	BM-3Z-67-T6FG	67	3	1108	6	71	28	1 1/8"	40	-	17.8
4	BM-1Z-71-T1FG*	71	1	1108	1	75	28	1 1/8"	16	-	6.2
5	BM-2Z-71-T6FG*	71	2	1108	6	75	28	1 1/8"	28	-	5.8
6	BM-3Z-71-T6FG	71	3	1108	6	75	28	1 1/8"	40	-	17.8
7	BM-1Z-75-T1FG*	75	1	1108	1	79	28	1 1/8"	16	-	6.2
8	BM-2Z-75-T6FG*	75	2	1210	6	79	32	1¼"	28	-	3.4
9	BM-3Z-75-T6FG	75	3	1210	6	79	32	1¼"	40	-	14.6
10	BM-1Z-80-T1FG*	80	1	1210	1	84	32	1¼"	16	-	9.4
11	BM-2Z-80-T6FG*	80	2	1108	6	84	32	1¼"	28	-	5.8
12	BM-3Z-80-T6FG*	80	3	1210	6	84	32	1¼"	40	-	14.6
13	BM-4Z-80-T6FG*	80	4	1210	6	84	32	1¼"	52	-	26.6
14	BM-1Z-85-T1FG	85	1	1210	1	89	32	1¼"	16	-	9.4
15	BM-2Z-85-T6FG*	85	2	1610	6	89	42	1 3/8"	28	-	2.6
16	BM-3Z-85-T6FG*	85	3	1610	6	89	42	1 3/8"	40	-	14.6
17	BM-4Z-85-T6FG*	85	4	1610	6	89	42	1 3/8"	52	-	26.6
18	BM-5Z-85-T6FG	85	5	1610	6	89	42	1 3/8"	64	-	38.6
19	BM-1Z-90-T1FG*	90	1	1210	1	94	32	1¼"	16	-	9.4
20	BM-2Z-90-T2FG*	90	2	1610	2	94	42	1 3/8"	28	-	2.6
21	BM-3Z-90-T2FG*	90	3	1610	2	94	42	1 3/8"	40	-	14.6
22	BM-4Z-90-T6FG*	90	4	1610	6	94	42	1 3/8"	52	-	26.6
23	BM-5Z-90-T6FG	90	5	1610	6	94	42	1 3/8"	64	-	38.6
24	BM-6Z-90-T6FG	90	6	1610	6	94	42	1 3/8"	76	-	50.6
25	BM-1Z-95-T1FG*	95	1	1210	1	99	32	1¼"	16	-	9.4
26	BM-2Z-95-T6FG*	95	2	1610	6	99	42	1 3/8"	28	-	2.6
27	BM-3Z-95-T6FG*	95	3	1610	6	99	42	1 3/8"	40	-	14.6
28	BM-4Z-95-T6FG*	95	4	1610	6	99	42	1 3/8"	52	-	26.6
29	BM-5Z-95-T6FG	95	5	1610	6	99	42	1 3/8"	64	-	38.6
30	BM-6Z-95-T6FG	95	6	1610	6	99	42	1 3/8"	76	-	50.6
31	BM-1Z-100-T1FG*	100	1	1210	1	104	32	1¼"	16	-	9.4
32	BM-2Z-100-T6FG*	100	2	1610	6	104	42	1 3/8"	28	-	2.6
33	BM-3Z-100-T6FG*	100	3	1610	6	104	42	1 3/8"	40	-	14.6
34	BM-4Z-100-T6FG*	100	4	2012	6	104	50	2"	52	-	20.2
35	BM-5Z-100-T6FG	100	5	2012	6	104	50	2"	64	-	32.2
36	BM-6Z-100-T6FG	100	6	2012	6	104	50	2"	76	-	44.2
37	BM-1Z-112-T1FG*	112	1	1210	1	116	42	1 3/8"	16	-	9.4
38	BM-2Z-112-T6FG*	112	2	1610	6	116	42	1 3/8"	28	-	2.6
39	BM-3Z-112-T6FG*	112	3	1210	6	116	50	2"	40	-	14.6
40	BM-4Z-112-T6FG*	112	4	1210	6	116	50	2"	52	-	26.6
41	BM-5Z-112-T6FG	112	5	1210	6	116	50	2"	64	-	38.6
42	BM-6Z-112-T6FG	112	6	1210	6	116	50	2"	76	-	50.6

Type 1



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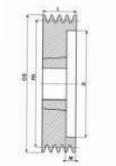

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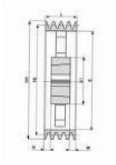

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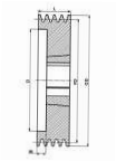

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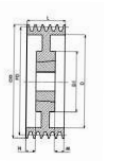

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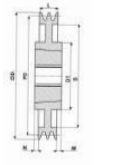

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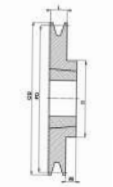
						OD	Metric	Inch			
43	BM-1Z-125-T1FG*	125	1	1610	1	129	42	1 ⅝"	16	-	9.4
44	BM-2Z-125-T6FG*	125	2	1610	6	129	42	1 ⅝"	28	-	2.6
45	BM-3Z-125-T2FG*	125	3	2012	2	129	50	2"	40	-	8.2
46	BM-4Z-125-T6FG*	125	4	2012	6	129	50	2"	52	-	20.2
47	BM-5Z-125-T6FG	125	5	2012	6	129	60	2 ½"	64	-	32.2
48	BM-6Z-125-T6FG	125	6	2517	6	129	60	2 ½"	76	-	31.5
49	BM-1Z-140-T1FG*	140	1	1610	1	144	42	1 ⅝"	16	-	9.4
50	BM-2Z-140-T6FG*	140	2	1610	6	144	42	1 ⅝"	28	-	2.6
51	BM-3Z-140-T2FG*	140	3	2012	2	144	50	2"	40	-	-8.2
52	BM-4Z-140-T2FG*	140	4	2012	2	144	50	2"	52	-	20.2
53	BM-5Z-140-T2FG	140	5	2517	2	144	60	2 ½"	64	-	19.5
54	BM-6Z-140-T2FG	140	6	2517	2	144	60	2 ½"	76	-	31.5
55	BM-1Z-160-T1FG	160	1	1610	1	164	42	1 ⅝"	16	-	9.4
56	BM-2Z-160-T1FG*	160	2	2012	1	164	50	2"	28	-	3.8
57	BM-3Z-160-T2FG*	160	3	2012	2	164	50	2"	40	-	8.2
58	BM-4Z-160-T2FG*	160	4	2517	2	164	60	2 ½"	52	-	7.5
59	BM-5Z-160-T2FG	160	5	2517	2	164	60	2 ½"	64	-	19.5
60	BM-6Z-160-T2FG	160	6	2517	2	164	60	2 ½"	76	-	31.5
61	BM-1Z-170-T1FG	170	1	1610	1	174	42	1 ⅝"	16	-	9.4
62	BM-2Z-170-T1FG*	170	2	2012	1	174	50	2"	28	-	3.8
63	BM-3Z-170-T2FG*	170	3	2012	2	174	50	2"	40	-	8.2
64	BM-4Z-170-T2FG*	170	4	2517	2	174	60	2 ½"	52	-	7.5
65	BM-2Z-180-T1FG*	180	2	2012	1	184	50	2"	28	-	3.8
66	BM-3Z-180-T2FG*	180	3	2012	2	184	50	2"	40	-	8.2
67	BM-4Z-180-T2FG*	180	4	2517	2	184	60	2 ½"	52	-	7.5
68	BM-5Z-180-T2FG*	180	5	3020	2	184	60	2 ½"	64	-	13.2
69	BM-6Z-180-T2FG	180	6	2012	2	184	60	2 ½"	76	-	44.2
70	BM-1Z-200-T1FG*	200	1	2012	1	204	50	2"	16	-	15.8
71	BM-2Z-200-T8FG*	200	2	2012	8	204	50	2"	28	1.9	1.9
72	BM-3Z-200-T2FG	200	3	2012	2	204	50	2"	40	-	8.2
73	BM-4Z-200-T2FG*	200	4	2517	2	204	60	2 ½"	52	-	7.5
74	BM-5Z-200-T7FG*	200	5	2012	7	204	60	2 ½"	64	16.1	16.1
75	BM-6Z-200-T7FG	200	6	2012	7	204	60	2 ½"	76	22.1	22.1
76	BM-1Z-250-T8FG*	250	1	2012	8	254	50	2"	16	7.9	7.9
77	BM-2Z-250-T4FG*	250	2	2517	4	254	50	2"	28	8.25	8.25
78	BM-3Z-250-T5FG	250	3	2012	5	254	50	2"	40	4.1	4.1
79	BM-4Z-250-T7FG*	250	4	2517	7	254	60	2 ½"	52	3.75	3.75
80	BM-5Z-250-T5FG	250	5	2517	5	254	60	2 ½"	64	9.75	9.75
81	BM-6Z-250-T5FG	250	6	2517	5	254	60	2 ½"	76	15.75	15.75
82	BM-1Z-315-T8FG	315	1	1610	8	319	50	2"	16	4.7	4.7
83	BM-2Z-315-T4FG	315	2	2012	4	319	50	2"	28	1.9	1.9
84	BM-3Z-315-T8FG	315	3	2517	8	319	60	2 ½"	40	2.25	2.25
85	BM-4Z-315-T5FG	315	4	2517	5	319	60	2 ½"	52	3.75	3.75
86	BM-5Z-315-T5FG	315	5	2517	5	319	60	2 ½"	64	9.75	9.75
87	BM-6Z-315-T5FG	315	6	2517	5	319	60	2 ½"	76	15.75	15.75
88	BM-1Z-400-T4FG	400	1	2012	4	404	50	2"	16	7.9	7.9
89	BM-2Z-400-T4FG	400	2	2517	4	404	60	2"	28	8.25	8.25
90	BM-3Z-400-T4FG	400	3	2517	4	404	60	2 ½"	40	2.25	2.25
91	BM-4Z-400-T5FG	400	4	2517	5	404	60	2 ½"	52	3.75	3.75

S. No	PRODUCT CODE	PCD	NO OF GROOVES	BUSH	TYPE	Outside	Max. Bore		L	N	M
						OD	Metric	Inch			
92	BM-5Z-400-T5FG	400	5	3020	5	404	75	3"	64	6.6	6.6
93	BM-6Z-400-T4FG	400	6	3030	4	404	75	3"	76	0.1	0.1
94	BM-2Z-500-T4FG	500	2	2517	4	504	60	2 ½"	28	8.25	8.25
95	BM-3Z-500-T4FG	500	3	2517	4	504	60	2 ½"	40	2.25	2.25
96	BM-4Z-500-T5FG	500	4	3020	5	504	75	3"	52	0.6	0.6
97	BM-5Z-500-T5FG	500	5	3020	5	504	75	3"	64	6.6	6.6
98	BM-6Z-500-T4FG	500	6	3030	4	504	75	3"	76	0.1	0.1
99	BM-3Z-630-T4FG	630	3	2517	4	634	60	2 ½"	40	2.25	2.25
100	BM-4Z-630-T5FG	630	4	3020	5	634	75	3"	52	0.6	0.6
101	BM-5Z-630-T4FG	630	5	3030	4	634	75	3"	64	6.1	6.1
102	BM-6Z-630-T4FG	630	6	3535	4	634	90	3½"	76	6.5	6.5
103	BM-3Z-800-T4FG	800	3	3030	4	804	75	3"	40	18.1	18.1
104	BM-4Z-800-T4FG	800	4	3030	4	804	75	3"	52	12.1	12.1
105	BM-5Z-800-T4FG	800	5	3535	4	804	90	3½"	64	12.5	12.5
106	BM-6Z-800-T4FG	800	6	3535	4	804	90	3½"	76	6.5	6.5

BESTOMECH TAPER BUSH PULLEYS

Pulleys For A, SPA Belts

Type 1



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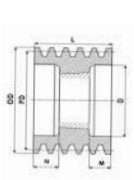
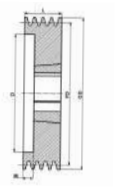


Type 6



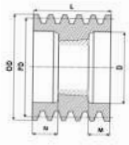
S. No	PRODUCT CODE	PCD	NO OF GROOVES	BUSH	TYPE	Outside	Max. Bore		L	N	M
						OD	Metric	Inch			
1	BM-1A-67-T1FG*	67	1	1108	1	72.6	28	1⅛"	20	-	2.2
2	BM-1A-67-T6FG	67	2	1108	6	72.6	28	1⅛"	35	-	12.8
3	BM-1A-71-T6FG*	71	1	1108	1	76.6	28	1⅛"	20	-	2.2
4	BM-2A-71-T6FG*	71	2	1108	6	76.6	28	1⅛"	35	-	12.8
5	BM-3A-71-T6FG*	71	3	1108	6	76.6	28	1⅛"	50	-	27.8
6	BM-1A-75-T1FG*	75	1	1108	1	80.6	28	1⅛"	20	-	2.2
7	BM-2A-75-T6FG*	75	2	1108	6	80.6	28	1⅛"	35	-	12.8
8	BM-3A-75-T6FG*	75	3	1210	6	80.6	32	1¼"	50	-	24.6
9	BM-1A-80-T1FG*	80	1	1108	1	85.6	28	1⅛"	20	-	2.2
10	BM-2A-80-T6FG*	80	2	1108	6	85.6	28	1⅛"	35	-	12.8
11	BM-3A-80-T6FG*	80	3	1210	6	85.6	32	1¼"	50	-	24.6
12	BM-4A-80-T6FG	80	4	1215	6	85.6	32	1¼"	65	-	25
13	BM-5A-80-T6FG	80	5	1215	6	85.6	32	1¼"	80	-	40
14	BM-1A-85-T1FG*	85	1	1108	1	90.6	28	1⅛"	20	-	2.2
15	BM-2A-85-T6FG*	85	2	1108	6	90.6	28	1⅛"	35	-	12.8
16	BM-3A-85-T6FG*	85	3	1210	6	90.6	32	1¼"	50	-	24.6
17	BM-4A-85-T6FG	85	4	1215	6	90.6	32	1¼"	65	-	25
18	BM-5A-85-T6FG	85	5	1215	6	90.6	32	1¼"	80	-	40
19	BM-1A-90-T1FG*	90	1	1108	1	95.6	28	1⅛"	20	-	2.2
20	BM-2A-90-T6FG*	90	2	1108	6	95.6	28	1⅛"	35	-	12.8
21	BM-3A-90-T6FG*	90	3	1610	6	95.6	42	1⅜"	50	-	24.6
22	BM-4A-90-T3FG	90	4	1615	3	95.6	42	1⅜"	65	13.5	13.5
23	BM-5A-90-T3FG	90	5	1615	3	95.6	42	1⅜"	80	21	21

S. No	PRODUCT CODE	PCD	NO OF GROOVES	BUSH	TYPE	Outside	Max. Bore		L	N	M
						OD	Metric	Inch			
24	BM-1A-95-T1FG*	95	1	1210	1	100.6	32	1¼"	20	-	5.4
25	BM-2A-95-T6FG*	95	2	1610	6	100.6	42	1⅜"	35	-	9.6
26	BM-3A-95-T6FG*	95	3	1610	6	100.6	42	1⅜"	50	-	24.6
27	BM-4A-95-T3FG	95	4	1615	3	100.6	42	1⅜"	65	13.5	13.5
28	BM-5A-95-T3FG	95	5	1615	3	100.6	42	1⅜"	80	21	21
29	BM-1A-100-T1FG*	100	1	1610	1	105.6	42	1⅜"	20	-	5.4
30	BM-2A-100-T6FG*	100	2	1610	6	105.6	42	1⅜"	35	-	9.6
31	BM-3A-100-T6FG*	100	3	1610	6	105.6	42	1⅜"	50	-	24.6
32	BM-4A-100-T6FG	100	4	1615	6	105.6	42	1⅜"	65	-	26.9
33	BM-5A-100-T6FG	100	5	1615	6	105.6	42	1⅜"	80	-	41.9
34	BM-6A-100-T3FG	100	6	1615	3	105.6	42	1⅜"	95	28.5	28.5
35	BM-1A-106-T1FG*	106	1	1610	1	111.6	42	1⅜"	20	-	5.4
36	BM-2A-106-T6FG*	106	2	1610	6	111.6	42	1⅜"	35	-	9.6
37	BM-3A-106-T6FG*	106	3	1610	6	111.6	42	1⅜"	50	-	24.6
38	BM-4A-106-T6FG	106	4	1615	6	111.6	42	1⅜"	65	-	26.9
39	BM-5A-106-T6FG	106	5	2012	6	111.6	50	2"	80	-	48.2
40	BM-6A-106-T3FG	106	6	2012	3	111.6	50	2"	95	31.5	31.5
41	BM-1A-112-T1FG*	112	1	1610	1	117.6	42	1⅜"	20	-	5.4
42	BM-2A-112-T6FG*	112	2	1610	6	117.6	42	1⅜"	35	-	9.6
43	BM-3A-112-T6FG*	112	3	2012	6	117.6	50	2"	50	-	18.2
44	BM-4A-112-T6FG	112	4	2012	6	117.6	50	2"	65	-	33.2
45	BM-5A-112-T6FG	112	5	2012	6	117.6	50	2"	80	-	48.2
46	BM-6A-112-T6FG	112	6	2012	6	117.6	50	2"	95	-	63.2
47	BM-1A-118-T1FG*	118	1	1610	1	123.6	42	1⅜"	20	-	5.4
48	BM-2A-118-T6FG*	118	2	1610	6	123.6	42	1⅜"	35	-	9.6
49	BM-3A-118-T6FG	118	3	2012	6	123.6	50	2"	50	-	18.2
50	BM-4A-118-T2FG*	118	4	2012	2	123.6	50	2"	65	-	33.2
51	BM-5A-118-T6FG	118	5	2012	6	123.6	50	2"	80	-	48.2
52	BM-6A-118-T6FG	118	6	2012	6	123.6	50	2"	95	-	63.2
53	BM-1A-125-T1FG*	125	1	1610	1	130.6	42	1⅜"	20	-	5.4
54	BM-2A-125-T2FG*	125	2	1610	2	130.6	42	1⅜"	35	-	9.6
55	BM-3A-125-T2FG*	125	3	2012	2	130.6	50	2"	50	-	18.2
56	BM-4A-125-T2FG*	125	4	2012	2	130.6	50	2"	65	-	33.2
57	BM-5A-125-T2FG*	125	5	2012	2	130.6	50	2"	80	-	48.2
58	BM-6A-125-T3FG	125	6	2012	3	130.6	50	2"	95	31.5	31.5
59	BM-1A-132-T1FG	132	1	1610	1	137.6	42	1⅜"	20	-	5.4
60	BM-2A-132-T2FG	132	2	1610	2	137.6	42	1⅜"	35	-	9.6
61	BM-3A-132-T2FG	132	3	2012	2	137.6	50	2"	50	-	18.2
62	BM-4A-132-T2FG*	132	4	2517	2	137.6	60	2½"	65	-	20.5
63	BM-5A-132-T2FG	132	5	2517	2	137.6	60	2½"	80	-	35.5
64	BM-6A-132-T3FG	132	6	2517	3	137.6	60	2½"	95	25	25
65	BM-1A-140-T1FG*	140	1	1610	1	145.6	42	1⅜"	20	-	5.4
66	BM-2A-140-T6FG*	140	2	2012	6	145.6	50	2″	32	-	0.2
67	BM-3A-140-T2FG*	140	3	2517	2	145.6	60	2½"	50	-	5.5
68	BM-4A-140-T2FG*	140	4	2517	2	145.6	60	2½"	65	-	20.5
69	BM-5A-140-T2FG	140	5	2517	2	145.6	60	2½"	80	-	35.5

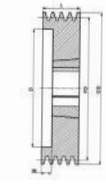
Type 1

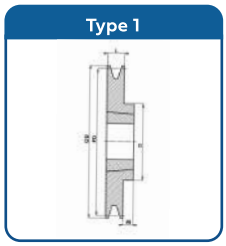
Type 2

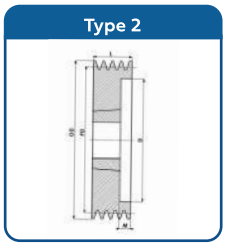
Type 3

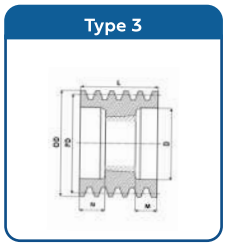


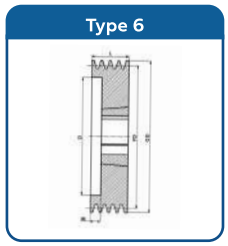
Type 6



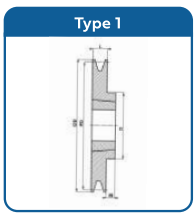


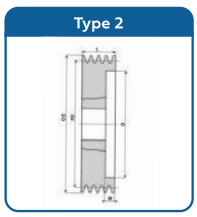


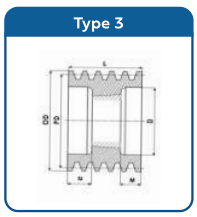


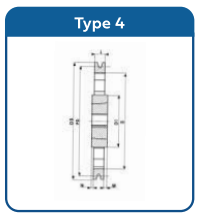


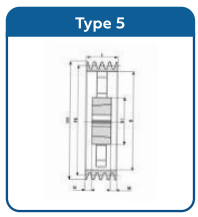
S. No	PRODUCT CODE	PCD	NO OF GROOVES	BUSH	TYPE	Outside	Max. Bore		L	N	M
						OD	Metric	Inch			
70	BM-6A-140-T3FG	140	6	2517	3	145.6	60	2½"	95	25	25
71	BM-1A-150-T1FG	150	1	1610	1	155.6	42	1⅝"	20	-	5.4
72	BM-2A-150-T2FG*	150	2	2012	2	155.6	50	2″	35	-	3.2
73	BM-3A-150-T2FG*	150	3	2517	2	155.6	60	2½"	50	-	5.5
74	BM-4A-150-T2FG*	150	4	2517	2	155.6	60	2½"	65	-	20.5
75	BM-5A-150-T2FG*	150	5	2517	2	155.6	60	2½"	80	-	35.5
76	BM-6A-150-T2FG	150	6	2517	2	155.6	60	2½"	95	-	50.5
77	BM-1A-160-T1FG*	160	1	1610	1	165.6	42	1⅝"	20	-	5.4
78	BM-2A-160-T2FG	160	2	2012	2	165.6	50	2″	35	-	3.2
79	BM-3A-160-T2FG*	160	3	2517	2	165.6	60	2½"	50	-	5.5
80	BM-4A-160-T2FG*	160	4	2517	2	165.6	60	2½"	65	-	20.5
81	BM-5A-160-T2FG	160	5	2517	2	165.6	60	2½"	80	-	35.5
82	BM-6A-160-T3FG	160	6	2517	3	165.6	60	2½"	95	25	25
83	BM-1A-170-T1FG*	170	1	1610	1	175.6	42	1⅝"	20	-	5.4
84	BM-2A-170-T2FG	170	2	2012	2	175.6	50	2″	35	-	3.2
85	BM-3A-170-T2FG*	170	3	2517	2	175.6	60	2½"	50	-	5.5
86	BM-4A-170-T2FG*	170	4	2517	2	175.6	60	2½"	65	-	20.5
87	BM-5A-170-T2FG	170	5	2517	2	175.6	60	2½"	80	-	35.5
88	BM-6A-170-T3FG	170	6	2517	3	175.6	60	2½"	95	25	25
89	BM-1A-180-T1FG*	180	1	1610	5	185.6	42	1⅝"	20	-	5.4
90	BM-1A-180-T5SG*	180	1	1610	5	185.6	42	1⅝"	20	2.7	2.7
91	BM-2A-180-T2FG*	180	2	2012	2	185.6	50	2"	35	-	3.2
92	BM-2A-180-T5FG*	180	2	2012	5	185.6	50	2	35	1.6	1.6
93	BM-3A-180-T2FG*	180	3	2517	2	185.6	60	2½"	50	-	5.5
94	BM-4A-180-T2FG*	180	4	2517	2	185.6	60	2½"	65	-	20.5
95	BM-5A-180-T2FG*	180	5	3020	2	185.6	75	3"	80	-	29.2
96	BM-6A-180-T3FG	180	6	3020	3	185.6	75	3"	95	22	22
97	BM-1A-190-T1FG*	190	1	2012	1	195.6	50	1⅝"	20	-	11.8
98	BM-1A-190-T1SG*	190	1	2012	4	195.6	50	1⅝"	20	5.9	5.9
99	BM-2A-190-T6FG*	190	2	2012	6	195.6	50	2"	35	3.2	3.2
100	BM-2A-190-T4SG*	190	2	2012	4	195.6	50	2	35	1.6	1.6
101	BM-3A-190-T2FG*	190	3	2517	2	195.6	60	2½"	50	-	5.5
102	BM-4A-190-T2FG*	190	4	3020	2	195.6	75	3"	65	-	14.2
103	BM-5A-190-T2FG	190	5	3020	2	195.6	75	3"	80	-	29.2
104	BM-6A-190-T3FG	190	6	3020	3	195.6	75	3"	95	22	22
105	BM-1A-200-T1FG*	200	1	2012	1	205.6	50	2"	20	-	11.8
106	BM-1A-200-T4SG*	200	1	2012	4	205.6	50	2"	20	5.9	5.9
107	BM-2A-200-T8FG*	200	2	2517	8	205.6	60	2½"	35	4.75	4.75
108	BM-2A-200-T4SG*	200	2	2517	4	205.6	60	2½"	35	4.75	4.75
109	BM-3A-200-T5SG*	200	3	2517	5	205.6	60	2½"	50	2.75	2.75
110	BM-4A-200-T2FG*	200	4	3020	2	205.6	75	3"	65	-	14.2
111	BM-4A-200-T5SG*	200	4	3020	5	205.6	75	3"	65	7.1	7.1
112	BM-5A-200-T2FG*	200	5	3020	2	205.6	75	3"	80	-	29.2
113	BM-6A-200-T2FG	200	6	3020	2	205.6	75	3"	95	-	44.2
114	BM-1A-212-T1FG*	212	1	2012	1	217.6	50	2"	20	-	24.5
115	BM-2A-212-T8FG*	212	2	2517	8	217.6	60	2½"	35	4.75	4.75
116	BM-3A-212-T5SG*	212	3	2517	5	217.6	60	2½"	50	2.75	2.75
111	BM-4A-212-T2FG*	212	4	3020	2	217.6	75	3"	65	-	14.2

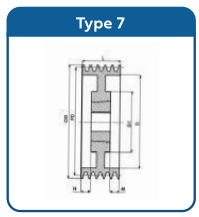


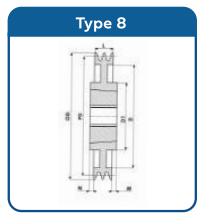




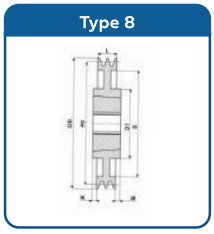


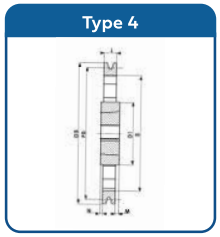


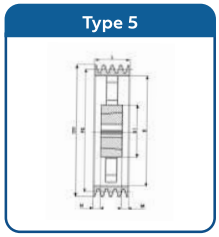


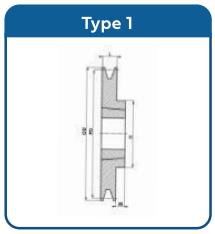


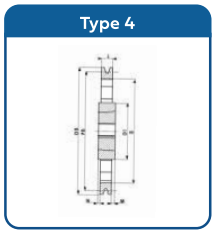
S. No	PRODUCT CODE	PCD	NO OF GROOVES	BUSH	TYPE	Outside	Max. Bore		L	N	M
						OD	Metric	Inch			
112	BM-5A-212-T2FG	212	5	3020	2	217.6	75	3"	80	-	29.2
113	BM-6A-212-T3FG	212	6	3020	3	217.6	75	3"	95	22	22
114	BM-1A-224-T1FG*	224	1	2012	1	229.6	50	2"	20	-	11.8
115	BM-2A-224-T2FG*	224	2	2517	2	229.6	60	2½"	35	-	9.5
116	BM-3A-224-T2FG*	224	3	2517	2	229.6	60	2½"	50	-	5.5
117	BM-4A-224-T2FG*	224	4	3020	2	229.6	75	3"	65	-	14.2
118	BM-5A-224-T2FG	224	5	3020	2	229.6	75	3"	80	-	29.2
119	BM-6A-224-T3FG	224	6	3020	3	229.6	75	3"	95	22	22
120	BM-1A-236-T1FG	236	1	2012	1	241.6	50	2"	20	-	11.8
121	BM-2A-236-T8FG	236	2	2517	8	241.6	60	2½"	35	4.75	4.75
122	BM-3A-236-T2FG	236	3	2517	2	241.6	60	2½"	50	-	5.5
123	BM-4A-236-T2FG	236	4	3020	2	241.6	75	3"	65	-	14.2
124	BM-5A-236-T2FG	236	5	3020	2	241.6	75	3"	80	-	29.2
125	BM-6A-236-T3FG	236	6	3020	3	241.6	75	3"	95	22	22
126	BM-1A-250-T4FG*	250	1	2012	4	255.6	50	2"	20	5.9	5.9
127	BM-2A-250-T4FG*	250	2	2517	4	255.6	60	2½"	35	4.75	4.75
128	BM-3A-250-T7FG*	250	3	2517	7	255.6	60	2½"	50	2.75	2.75
129	BM-4A-250-T7FG*	250	4	3020	7	255.6	75	3"	65	7.1	7.1
130	BM-5A-250-T7FG	250	5	3020	7	255.6	75	3"	80	14.6	14.6
131	BM-6A-250-T7FG	250	6	3020	7	255.6	75	3"	95	22.1	22.1
132	BM-1A-265-T1FG	265	1	2012	1	270.6	50	2"	20	-	11.8
133	BM-2A-265-T8FG	265	2	2517	8	270.6	60	2½"	35	4.75	4.75
134	BM-3A-265-T7FG	265	3	2517	7	270.6	60	2½"	50	2.75	2.75
135	BM-4A-265-T7FG*	265	4	3020	7	270.6	75	3"	65	7.1	7.1
136	BM-5A-265-T7FG	265	5	3020	7	270.6	75	3"	80	14.6	14.6
137	BM-6A-265-T7FG	265	6	3020	7	270.6	75	3"	95	22.1	22.1
138	BM-1A-280-T1FG	280	1	2012	1	285.6	50	2"	20	-	11.8
139	BM-2A-280-T8FG	280	2	2517	8	285.6	60	2½"	35	4.75	4.75
140	BM-3A-280-T7FG	280	3	2517	7	285.6	60	2½"	50	2.75	2.75
141	BM-4A-280-T7FG*	280	4	3020	7	285.6	75	3"	65	7.1	7.1
142	BM-5A-280-T8FG	280	5	3535	8	285.6	90	3½"	80	4.5	4.5
143	BM-6A-280-T7FG	280	6	3535	7	285.6	90	3½"	95	3	3
144	BM-1A-300-T1FG*	300	1	2012	1	305.6	50	2"	20	-	5.9
145	BM-2A-300-T8FG*	300	2	2517	8	305.6	60	2½"	35	4.75	4.75
146	BM-3A-300-T7FG*	300	3	2517	7	305.6	60	2½"	50	2.75	2.75
147	BM-4A-300-T7FG*	300	4	3020	7	305.6	75	3″	65	7.1	7.1
148	BM-5A-300-T8FG	300	5	3535	8	305.6	90	3½"	80	4.5	4.5
149	BM-6A-300-T7FG	300	6	3535	7	305.6	90	3½"	95	3	3
150	BM-1A-315-T1FG	315	1	2012	1	320.6	50	2"	20	-	5.9
151	BM-2A-315-T4FG	315	2	2517	4	320.6	60	2½"	35	4.75	4.75
152	BM-3A-315-T8FG	315	3	3020	8	320.6	75	3"	50	0.4	0.4
153	BM-4A-315-T7FG*	315	4	3020	7	320.6	75	3"	65	7.1	7.1
154	BM-5A-315-T5FG	315	5	3535	5	320.6	90	3½"	80	4.5	4.5
155	BM-6A-315-T5FG	315	6	3535	7	320.6	90	3½"	95	3	3
156	BM-1A-335-T1FG*	335	1	2012	1	340.6	50	2"	20	-	11.8
157	BM-2A-335-T4FG*	335	2	2517	4	340.6	60	2½"	35	4.75	4.75
158	BM-3A-335-T8FG	335	3	3020	8	340.6	75	3"	50	0.4	0.4
159	BM-4A-335-T7FG	335	4	3020	7	340.6	75	3"	65	7.1	7.1
160	BM-5A-335-T8FG	335	5	3535	8	340.6	90	3½"	80	4.5	4.5

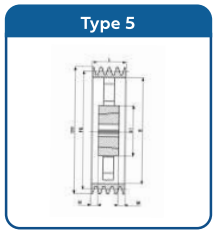


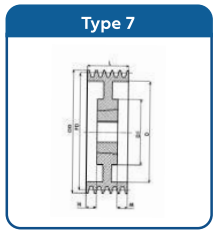












S. No	PRODUCT CODE	PCD	NO OF GROOVES	BUSH	TYPE	Outside	Max. Bore		L	N	M
						OD	Metric	Inch			
161	BM-6A-335-T7FG	335	6	3535	7	340.6	90	3½"	95	3	3
162	BM-1A-355-T1FG*	355	1	2012	1	360.6	50	2"	20	-	11.8
163	BM-2A-355-T4FG	355	2	2517	4	360.6	60	2½"	35	4.75	4.75
164	BM-3A-355-T4FG	355	3	3020	4	360.6	75	3"	50	0.4	0.4
165	BM-4A-355-T5FG*	355	4	3020	5	360.6	75	3"	65	7.1	7.1
166	BM-5A-355-T4FG	355	5	3535	4	360.6	90	3½"	80	4.5	4.5
167	BM-6A-355-T5FG	355	6	3535	5	360.6	90	3½"	95	3	3
168	BM-1A-375-T1FG	375	1	2012	1	380.6	50	2"	20	-	11.8
169	BM-2A-375-T4FG	375	2	2517	4	380.6	60	2½"	35	4.75	4.75
170	BM-3A-375-T4FG	375	3	3020	4	380.6	75	3"	50	0.4	0.4
171	BM-4A-375-T5FG	375	4	3020	5	380.6	75	3"	65	7.1	7.1
172	BM-5A-375-T4FG	375	5	3535	4	380.6	90	3½"	80	4.5	4.5
173	BM-6A-375-T5FG	375	6	3535	5	380.6	90	3½"	95	3	3
174	BM-1A-400-T4FG*	400	1	3020	4	405.6	50	2"	20	15.4	15.4
175	BM-2A-400-T4SG*	400	2	3525	4	405.6	60	2½"	35	14.25	14.25
176	BM-3A-400-T4FG*	400	3	3535	4	405.6	75	3"	50	19.5	19.5
177	BM-4A-400-T5FG	400	4	3020	5	405.6	75	3"	65	7.1	7.1
178	BM-5A-400-T4FG	400	5	3535	4	405.6	90	3½"	80	4.5	4.5
179	BM-6A-400-T5FG	400	6	3535	5	405.6	90	3½"	95	3	3
180	BM-1A-425-T4FG	425	1	2012	4	430.6	50	2"	20	5.9	5.9
181	BM-2A-425-T4FG	425	2	2517	4	430.6	60	2½"	35	4.75	4.75
182	BM-3A-425-T4FG	425	3	3020	4	430.6	75	3"	50	0.4	0.4
183	BM-4A-425-T5FG	425	4	3020	5	430.6	75	3"	65	7.1	7.1
184	BM-5A-425-T4FG	425	5	3535	4	430.6	90	3½"	80	4.5	4.5
185	BM-6A-425-T5FG	425	6	3535	5	430.6	90	3½"	95	3	3
186	BM-1A-450-T4FG	450	1	2012	4	455.6	50	2"	20	5.9	5.9
187	BM-2A-450-T4FG	450	2	2517	4	455.6	60	2½"	35	4.75	4.75
188	BM-3A-450-T4FG	450	3	3020	4	455.6	75	3"	50	0.4	0.4
189	BM-4A-450-T5FG	450	4	3020	5	455.6	75	3"	65	7.1	7.1
190	BM-5A-450-T4FG	450	5	3535	4	455.6	90	3½"	80	4.5	4.5
191	BM-6A-450-T5FG	450	6	3535	5	455.6	90	3½"	95	3	3
192	BM-1A-475-T4FG	475	1	2012	4	480.6	50	2"	20	5.9	5.9
193	BM-2A-475-T4FG	475	2	2517	4	480.6	60	2½"	35	4.75	4.75
194	BM-3A-475-T4FG	475	3	3020	4	480.6	75	3"	50	0.4	0.4
195	BM-4A-475-T5FG	475	4	3020	5	480.6	75	3"	65	7.1	7.1
196	BM-5A-475-T4FG	475	5	3535	4	480.6	90	3½"	80	4.5	4.5
197	BM-6A-475-T5FG	475	6	3535	5	480.6	90	3½"	95	3	3
198	BM-1A-500-T4FG	500	1	2517	4	505.6	60	2½"	20	12.25	12.25
199	BM-2A-500-T4FG	500	2	2517	4	505.6	60	2½"	35	4.75	4.75
200	BM-3A-500-T4FG	500	3	3020	4	505.6	75	3"	50	0.4	0.4

S. No	PRODUCT CODE	PCD	NO OF GROOVES	BUSH	TYPE	Outside	Max. Bore		L	N	M
						OD	Metric	Inch			
201	BM-4A-500-T5FG	500	4	3020	5	505.6	75	3"	65	7.1	7.1
202	BM-5A-500-T4FG	500	5	3535	4	505.6	90	3½"	80	4.5	4.5
203	BM-6A-500-T5FG	500	6	3535	5	505.6	90	3½"	95	3	3
204	BM-1A-530-T4FG	530	1	2517	4	535.6	60	2½"	20	12.25	12.25
205	BM-2A-530-T4FG	530	2	2517	4	535.6	60	2½	35	4.75	4.75
206	BM-3A-530-T4FG	530	3	3020	4	535.6	75	3"	50	0.4	0.4
207	BM-4A-530-T5FG	530	4	3020	5	535.6	75	3"	65	7.1	7.1
208	BM-5A-530-T4FG	530	5	3535	4	535.6	90	3½"	80	4.5	4.5
209	BM-6A-530-T5FG	530	6	3535	5	535.6	90	3½"	95	3	3
210	BM-1A-560-T4FG	560	1	3020	4	565.6	75	3"	20	15.4	15.4
211	BM-2A-560-T4FG	560	2	3020	4	565.6	75	3"	35	7.9	7.9
212	BM-3A-560-T4FG	560	3	3020	4	565.6	75	3"	50	0.4	0.4
213	BM-4A-560-T4FG	560	4	3535	4	565.6	90	3½"	65	12	12
214	BM-5A-560-T4FG	560	5	3535	4	565.6	90	3½"	80	4.5	4.5
215	BM-6A-560-T5FG	560	6	3535	5	565.6	90	3½"	95	3	3
216	BM-1A-630-T4FG	630	1	3020	4	635.6	75	3"	20	15.4	15.4
217	BM-2A-630-T4FG**	630	2	3020	4	635.6	75	3"	35	7.9	7.9
218	BM-3A-630-T4FG*	630	3	3020	4	635.6	75	3"	50	0.4	0.4
219	BM-4A-630-T4FG*	630	4	3535	4	635.6	90	3½"	65	12	12
220	BM-5A-630-T4FG	630	5	3535	4	635.6	90	3½"	80	4.5	4.5
221	BM-6A-630-T4FG	630	6	4040	4	635.6	100	4"	95	3.5	3.5
222	BM-3A-710-T4FG	710	3	3020	4	715.6	75	3"	50	0.4	0.4
223	BM-4A-710-T4FG	710	4	3535	4	715.6	90	3½"	65	12	12
224	BM-5A-710-T4FG	710	5	3535	4	715.6	90	3½"	80	4.5	4.5
225	BM-6A-710-T4FG	710	6	4040	4	715.6	100	4"	95	3.5	3.5
226	BM-3A-800-T4FG	800	3	3535	4	805.6	90	3½"	50	19.5	19.5
227	BM-4A-800-T4FG	800	4	3535	4	805.6	90	3½"	65	12	12
228	BM-5A-800-T4FG	800	5	4040	4	805.6	100	4"	80	11	11
229	BM-6A-800-T4FG	800	6	4040	4	805.6	100	4"	95	3.5	3.5

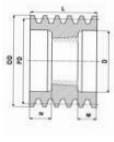
BESTOMECH TAPER BUSH PULLEYS

Pulleys For B, SPB Belts

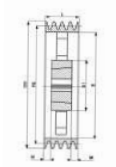
Type 1

Type 2

Type 3



Type 5

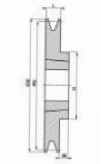


Type 6

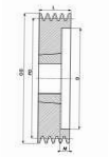
S. No	PRODUCT CODE	PCD	NO OF GROOVES	BUSH	TYPE	Outside	Max. Bore		L	N	M
						OD	Metric	Inch			
1	BM-1B-100-T1FG	100	1	1610	1	107	42	1⅜"	25	-	0.4
2	BM-2B-100-T6FG*	100	2	1610	6	107	42	1⅜"	44	-	18.6
3	BM-3B-100-T3FG	100	3	1610	3	107	42	1⅜"	63	15	23
4	BM-1B-106-T1FG	106	1	1610	1	113	42	1⅜"	25	-	0.4
5	BM-2B-106-T6FG	106	2	1610	6	113	42	1⅜"	44	-	18.6
6	BM-3B-106-T6FG	106	3	1610	6	113	42	1⅜"	63	-	37.6
7	BM-1B-112-T1FG	112	1	1610	1	119	42	1⅜"	25	-	0.4

S. No	PRODUCT CODE	PCD	NO OF GROOVES	BUSH	TYPE	Outside	Max. Bore		L	N	M
						OD	Metric	Inch			
8	BM-2B-112-T2FG	112	2	1610	2	119	42	1⅝"	44	-	18.6
9	BM-3B-112-T2FG	112	3	1610	2	119	42	1⅝"	63	-	37.6
10	BM-1B-118-T1FG	118	1	1610	1	125	42	1⅝"	25	-	0.4
11	BM-2B-118-T2FG	118	2	1610	2	125	42	1⅝"	44	-	18.6
12	BM-3B-118-T2FG	118	3	1610	2	125	42	1⅝"	63	-	37.6
13	BM-1B-125-T1FG*	125	1	1610	1	132	42	1⅝"	25	-	0.4
14	BM-2B-125-T6FG*	125	2	2012	6	132	42	1⅝"	44	-	12.2
15	BM-3B-125-T6FG*	125	3	1610	6	132	42	1⅝"	63	-	37.6
16	BM-4B-125-T3FG	125	4	2012	3	132	50	2"	82	25	25
17	BM-5B-125-T3FG	125	5	2012	3	132	50	2"	101	34.5	34.5
18	BM-6B-125-T3FG	125	6	2012	3	132	50	2"	120	44	44
19	BM-1B-132-T1FG	132	1	1610	1	139	42	1⅝"	25	-	0.4
20	BM-2B-132-T6FG	132	2	1610	6	139	42	1⅝"	44	-	18.6
21	BM-3B-132-T6FG	132	3	1610	6	139	42	1⅝"	63	-	37.6
22	BM-4B-132-T3FG	132	4	2012	3	139	50	2"	82	25	25
23	BM-5B-132-T2FG	132	5	2012	2	139	50	2"	101		69.2
24	BM-6B-132-T3FG	132	6	2012	3	139	50	2"	120	44	44
25	BM-1B-140-T1FG	140	1	1610	1	147	42	1⅝"	25	-	0.4
26	BM-2B-140-T6FG*	140	2	1610	6	147	42	1⅝"	44	-	18.6
27	BM-3B-140-T6FG*	140	3	1610	6	147	42	1⅝"	63	-	37.6
28	BM-4B-140-T2FG*	140	4	2012	2	147	50	2"	82	-	50.2
29	BM-5B-140-T2FG	140	5	2517	2	147	50	2"	101	-	56.5
30	BM-6B-140-T3FG*	140	6	2012	3	147	60	2½"	120	37.5	37.5
31	BM-1B-150-T1FG	150	1	2517	1	157	42	1⅝"	25	-	19.5
32	BM-2B-150-T5FG*	150	2	2012	5	157	42	1⅝"	44	6.1	6.1
33	BM-3B-150-T2FG*	150	3	2012	2	157	50	2"	63	-	31.2
34	BM-4B-150-T2FG	150	4	2517	2	157	50	2"	82	-	37.5
35	BM-5B-150-T2FG**	150	5	2517	2	157	60	2½"	101	-	56.5
36	BM-6B-150-T2FG*	150	6	2517	2	157	60	2½"	120	-	44.5
37	BM-8B-150-T3FG	150	8	2517	3	157	60	2½"	158	56.5	56.5
38	BM-1B-160-T1FG	160	1	1610	1	167	42	1⅝"	25	-	19.5
39	BM-2B-160-T6FG	160	2	2012	6	167	50	2"	44	-	12.2
40	BM-3B-160-T6FG*	160	3	2517	6	167	60	2½"	63	-	18.5
41	BM-4B-160-T3FG*	160	4	2517	3	167	60	2½"	82	18.5	18.5
42	BM-5B-160-T2FG*	160	5	2517	2	167	60	2½"	101	-	56.5
43	BM-6B-160-T2FG*	160	6	2517	2	167	60	2½"	120	-	44.5
44	BM-8B-160-T3FG	160	8	3020	3	167	75	3"	158	41	41
45	BM-1B-170-T1FG	170	1	1610	1	177	42	1⅝"	25	-	0.4
46	BM-2B-170-T6FG	170	2	2012	6	177	50	2"	44	-	12.2
47	BM-3B-170-T2FG*	170	3	2517	2	177	60	2½"	63	-	18.5
48	BM-4B-170-T3FG	170	4	2517	3	177	60	2½"	82	18.5	18.5
49	BM-5B-170-T3FG	170	5	3020	3	177	75	3"	101	25	25
50	BM-6B-170-T2FG	170	6	3020	2	177	75	3"	120	-	69.2
51	BM-8B-170-T3FG	170	8	3030	3	177	75	3"	158	41	41
52	BM-1B-180-T1FG	180	1	1610	1	187	42	1⅝"	25	-	0.4
53	BM-2B-180-T6FG*	180	2	2012	6	187	50	2"	44	-	12.2
54	BM-2B-180-T5FG*	180	2	2012	5	187	50	2"	44	6.1	6.1
55	BM-3B-180-T2FG**	180	3	2517	2	187	60	2½"	63	-	18.5
56	BM-4B-180-T2FG*	180	4	2517	2	187	60	2½"	82	-	37.5
57	BM-5B-180-T3FG	180	5	3020	3	187	75	3"	101	25	25
58	BM-6B-180-T2FG*	180	6	3020	2	187	75	3"	120	-	69.2
59	BM-8B-180-T3FG	180	8	3030	3	187	75	3"	158	40.9	40.9
60	BM-1B-190-T1FG	190	1	2012	1	197	50	2"	25	-	6.8
61	BM-2B-190-T1FG*	190	2	2517	1	197	60	2½"	44	-	0.5
62	BM-2B-190-T4SG*	190	2	2517	4	197	60	2½"	44	0.25	0.25
63	BM-3B-190-T2FG*	190	3	2517	2	197	60	2½"	63	-	18.5
64	BM-3B-190-T5SG*	190	3	2517	5	197	60	2½"	63	9.25	9.25

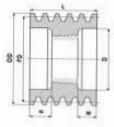
Type 1



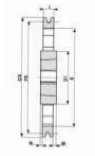
Type 2



Type 3



Type 4



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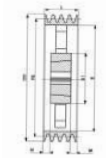
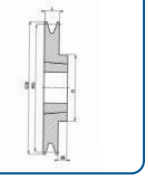


S. No	PRODUCT CODE	PCD	NO OF GROOVES	BUSH	TYPE	Outside	Max. Bore		L	N	M
						OD	Metric	Inch			
65	BM-4B-190-T2FG*	190	4	3020	2	197	60	2½"	82	-	31.2
66	BM-5B-190-T2FG*	190	5	3020	2	197	75	3"	101	-	50.2
67	BM-6B-190-T2FG	190	6	3020	2	197	75	3"	120	-	69.2
68	BM-8B-190-T3FG	190	8	3030	3	197	75	3"	158	41	41
69	BM-1B-200-T1FG	200	1	2012	1	207	50	2"	25	-	6.8
70	BM-2B-200-T2FG	200	2	2517	1	207	50	2"	44	-	0.5
71	BM-2B-200-T4SG*	200	2	2517	4	207	50	2"	44	0.25	0.25
72	BM-3B-200-T5SG*	200	3	2517	5	207	60	2½"	63	9.25	9.25
73	BM-3B-200-T2FG*	200	3	2517	2	207	60	2½"	63	-	18.5
74	BM-4B-200-T2FG	200	4	3020	2	207	75	3"	82	-	31.2
75	BM-5B-200-T2FG*	200	5	3020	2	207	75	3"	101	-	50.2
76	BM-6B-200-T2FG*	200	6	3020	2	207	75	3"	120	-	69.2
77	BM-8B-200-T2FG	200	8	3535	2	207	90	3½"	158	-	69
78	BM-1B-212-T1FG	212	1	2012	1	219	50	2"	25	-	6.8
79	BM-2B-212-T1FG	212	2	2517	1	219	60	2½"	44	-	0.5
80	BM-3B-212-T5SG*	212	3	2517	5	219	60	2½"	63	9.25	9.25
81	BM-4B-212-T2FG*	212	4	3020	2	219	75	3"	82	-	31.2
82	BM-5B-212-T2FG*	212	5	3020	2	219	75	3"	101	-	50.2
83	BM-6B-212-T2FG*	212	6	3525	2	219	75	3"	120	-	56.5
84	BM-8B-212-T3FG	212	8	3535	3	219	90	3½"	158	34.5	34.5
85	BM-1B-224-T1FG	224	1	2012	1	231	50	2"	25	-	6.5
86	BM-2B-224-T1FG*	224	2	2517	1	231	60	2½"	44	-	0.5
87	BM-3B-224-T2FG*	224	3	2517	2	231	60	2½"	63	-	15.5
88	BM-4B-224-T2FG*	224	4	3020	2	231	75	3"	82	-	31.2
89	BM-5B-224-T2FG**	224	5	3020	2	231	75	3"	101	-	50.2
90	BM-6B-224-T2FG*	224	6	3020	2	231	75	3"	120	-	69.2
91	BM-8B-224-T3FG	224	8	3535	3	231	90	3½"	158	34.5	34.5
92	BM-10B-224-T3FG	224	10	3535	3	231	90	3½"	196	53.5	53.5
93	BM-1B-236-T1FG	236	1	2012	1	243	50	2"	25	-	6.8
94	BM-2B-236-T1FG	236	2	2517	1	243	60	2½"	44	-	0.5
95	BM-3B-236-T2FG	236	3	2517	2	243	60	2½"	63	-	18.5
96	BM-4B-236-T2FG*	236	4	3020	2	243	75	3"	82	-	31.2
97	BM-5B-236-T2FG	236	5	3525	2	243	75	3"	101	-	37.5
98	BM-6B-236-T2FG*	236	6	3525	2	243	75	3"	120	-	56.5
99	BM-8B-236-T2FG	236	8	4040	2	243	90	3½"	158	-	56
100	BM-10B-236-T3FG	236	10	3535	3	243	90	3½"	196	53.5	53.5
101	BM-1B-250-T1FG*	250	1	2012	1	257	50	2"	25	-	6.8
102	BM-2B-250-T5FG*	250	2	2517	5	257	60	2½"	44	0.25	0.25
103	BM-3B-250-T5SG*	250	3	3020	5	257	75	3"	63	6.1	6.1
104	BM-4B-250-T2FG*	250	4	3020	2	257	75	3"	82	-	31.2
105	BM-5B-250-T2FG**	250	5	3525	2	257	75	3"	101	-	37.5
106	BM-6B-250-T2FG*	250	6	3525	2	257	75	3"	120	-	56.5
107	BM-8B-250-T3FG	250	8	3535	3	257	90	3½"	158	34.5	34.5
108	BM-10B-250-T3FG	250	10	3535	3	257	90	3½"	196	53.5	53.5
109	BM-1B-265-T1FG	265	1	2012	1	272	50	2"	25	-	6.8
110	BM-2B-265-T4FG	265	2	3020	4	272	60	2½"	44	3.4	3.4
111	BM-3B-265-T5FG	265	3	3020	5	272	75	3"	63	6.1	6.1
112	BM-4B-265-T7FG*	265	4	3020	7	272	75	3"	82	15.6	15.6

Type 1



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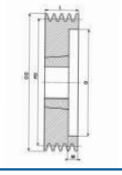
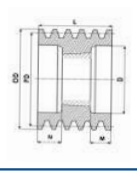
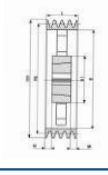


Type 3

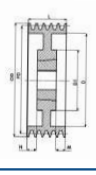


Type 4

Type 5



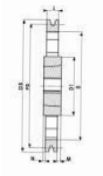
Type 7



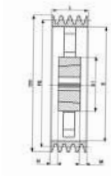
Type 8

S. No	PRODUCT CODE	PCD	NO OF GROOVES	BUSH	TYPE	Outside	Max. Bore		L	N	M
						OD	Metric	Inch			
113	BM-5B-265-T7FG	265	5	3535	7	272	90	3½"	101	6	6
114	BM-6B-265-T7FG*	265	6	3535	7	272	90	3½"	120	15.5	15.5
115	BM-8B-265-T3FG	265	8	3535	3	272	90	3½"	158	34.5	34.5
116	BM-10B-265-T3FG	265	10	3535	3	272	90	3½"	196	53.5	53.5
117	BM-1B-280-T1FG	280	1	2012	1	287	50	2"	25	-	6.8
118	BM-2B-280-T4FG*	280	2	2517	4	287	60	2½"	44	0.5	0.5
119	BM-3B-280-T5FG	280	3	3020	5	287	75	3"	63	12.2	12.2
120	BM-4B-280-T5FG*	280	4	3020	5	287	75	3"	82	31.2	31.2
121	BM-5B-280-T7FG	280	5	3535	7	287	90	3½"	101	6	6
122	BM-6B-280-T7FG*	280	6	3535	7	287	90	3½"	120	15.5	15.5
123	BM-8B-280-T7FG	280	8	3535	7	287	90	3½"	158	34.5	34.5
124	BM-10B-280-T7FG	280	10	3535	7	287	90	3½"	196	53.5	53.5
125	BM-1B-300-T1FG	300	1	2012	1	307	50	2"	25	-	6.8
126	BM-2B-300-T8FG*	300	2	2517	8	307	60	2½	44	0.5	0.5
127	BM-3B-300-T5SG*	300	3	3020	5	307	75	3"	63	12.2	12.2
128	BM-4B-300-T4SG	300	4	3535	4	307	90	3½	82	3.5	3.5
129	BM-5B-300-T5SG	300	5	3535	5	307	90	3½	101	6	6
130	BM-6B-300-T7FG	300	6	3535	7	307	90	3½	120	15.5	15.5
131	BM-8B-300-T7FG	300	8	3535	7	307	90	3½	158	34.5	34.5
132	BM-10B-300-T7FG	300	10	3535	7	307	90	3½	196	53.5	53.5
133	BM-1B-315-T4FG	315	1	2517	4	322	50	2"	25	9.75	9.75
134	BM-2B-315-T8FG	315	2	2517	8	322	60	2½	44	0.25	0.25
135	BM-3B-315-T7FG	315	3	3020	7	322	75	3"	63	6.1	6.1
136	BM-4B-315-T5FG*	315	4	3535	5	322	90	3½	82	3.5	3.5
137	BM-5B-315-T5FG**	315	5	3535	5	322	90	3½	101	6	6
138	BM-6B-315-T5FG*	315	6	3535	5	322	90	3½	120	15.5	15.5
139	BM-8B-315-T7FG	315	8	3535	7	322	90	3½	158	34.5	34.5
140	BM-10B-315-T7FG	315	10	3535	7	322	90	3½	196	53.5	53.5
141	BM-2B-335-T8FG*	335	2	2517	8	342	60	2½	44	0.25	0.25
142	BM-3B-335-T7FG	335	3	3020	7	342	75	3"	63	6.1	6.1
143	BM-4B-335-T8FG	335	4	3535	8	342	90	3½	82	3.5	3.5
144	BM-5B-335-T7FG	335	5	3535	7	342	90	3½	101	6	6
145	BM-6B-335-T7FG	335	6	3535	7	342	90	3½	120	15.5	15.5
146	BM-8B-335-T7FG	335	8	3535	7	342	90	3½	158	34.5	34.5
147	BM-10B-335-T7FG	335	10	4040	7	342	100	4"	196	47	47
148	BM-2B-355-T4SG*	355	2	3020	4	362	75	3"	44	3.4	3.4
149	BM-3B-355-T5FG*	355	3	3020	5	362	75	3"	63	6.1	6.1
150	BM-4B-355-T8FG*	355	4	3535	8	362	90	3½	82	3.5	3.5
151	BM-5B-355-T7FG	355	5	3535	7	362	90	3½	101	6	6
152	BM-6B-355-T5FG*	355	6	3535	5	362	90	3½	120	15.5	15.5
153	BM-8B-355-T7FG	355	8	3535	7	362	90	3½	158	34.5	34.5
154	BM-10B-355-T7FG	355	10	4040	7	362	100	4"	196	47	47
155	BM-2B-375-T4FG	375	2	3020	4	382	75	3"	44	3.4	3.4
156	BM-3B-375-T4FG	375	3	3535	4	382	90	3½	63	13	13
157	BM-4B-375-T4FG*	375	4	3535	4	382	90	3½	82	3.5	3.5
158	BM-5B-375-T5FG**	375	5	3535	5	382	90	3½	101	6	6
159	BM-6B-375-T5FG*	375	6	3535	5	382	90	3½	120	15.5	15.5
160	BM-8B-375-T5FG	375	8	4040	5	382	100	4"	158	28	28

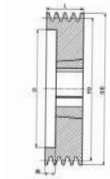
Type 4



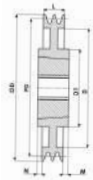
Type 5



Type 6



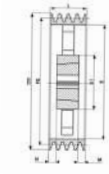
Type 8



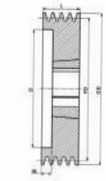
S. No	PRODUCT CODE	PCD	NO OF GROOVES	BUSH	TYPE	Outside	Max. Bore		L	N	M
						OD	Metric	Inch			
161	BM-10B-375-T5FG	375	10	4040	5	382	100	4"	196	47	47
162	BM-2B-400-T4FG*	400	2	3020	4	407	75	3"	44	3.4	3.4
163	BM-2B-400-T4SG*	400	2	3020	4	407	75	3"	44	3.4	3.4
164	BM-3B-400-T4FG*	400	3	3535	4	407	90	3½	63	13	13
165	BM-4B-400-T4FG	400	4	3535	4	407	90	3½	82	3.5	3.5
166	BM-5B-400-T5FG**	400	5	3535	5	407	90	3½	101	6	6
167	BM-6B-400-T4FG*	400	6	3535	4	407	90	3½	120	15.5	15.5
168	BM-8B-400-T7FG*	400	8	4040	7	407	100	4"	158	28	28
169	BM-10B-400-T5FG	400	10	4040	5	407	100	4"	196	47	47
170	BM-2B-425-T4FG	425	2	3020	4	432	75	3"	44	3.4	3.4
171	BM-3B-425-T4FG	425	3	3535	4	432	90	3½	63	13	13
172	BM-4B-425-T4FG	425	4	3535	4	432	90	3½	82	3.5	3.5
173	BM-5B-425-T5FG**	425	5	3535	5	432	90	3½	101	6	6
174	BM-6B-425-T5FG*	425	6	3535	5	432	90	3½	120	45.5	45.5
175	BM-8B-425-T5FG	425	8	4040	5	432	100	4"	158	28	28
176	BM-10B-425-T5FG	425	10	4040	5	432	100	4"	196	47	47
177	BM-2B-450-T4FG	450	2	3020	4	457	75	3"	44	3.4	3.4
178	BM-3B-450-T4FG	450	3	3535	4	457	90	3½	63	13	13
179	BM-4B-450-T4FG	450	4	3535	4	457	90	3½	82	3.5	3.5
180	BM-5B-450-T5FG	450	5	3535	5	457	90	3½	101	6	6
181	BM-6B-450-T5FG	450	6	4040	5	457	100	4"	120	9	9
182	BM-8B-450-T5FG	450	8	4545	5	457	110	4½"	158	22	22
183	BM-10B-450-T5FG	450	10	4545	5	457	110	4½"	196	41	41
184	BM-2B-475-T4FG	475	2	3020	4	482	75	3"	44	3.4	3.4
185	BM-3B-475-T4FG	475	3	3535	4	482	90	3½	63	13	13
186	BM-4B-475-T4FG	475	4	3535	4	482	90	3½	82	3.5	3.5
187	BM-5B-475-T5FG	475	5	3535	5	482	90	3½	101	6	6
188	BM-6B-475-T5FG	475	6	4040	5	482	100	4"	120	9	9
189	BM-8B-475-T5FG	475	8	4545	5	482	110	4½"	158	22	22
190	BM-10B-475-T5FG	475	10	4545	5	482	110	4½"	196	41	41
191	BM-2B-500-T4FG	500	2	3020	4	507	75	3"	44	3.4	3.4
192	BM-3B-500-T4FG	500	3	3535	4	507	90	3½"	63	13	13
193	BM-4B-500-T4FG**	500	4	3535	4	507	90	3½"	82	3.5	3.5
194	BM-5B-500-T5FG*	500	5	3535	5	507	90	3½"	101	6	6
195	BM-6B-500-T5FG*	500	6	4040	5	507	100	4"	120	9	9
196	BM-8B-500-T5FG	500	8	4545	5	507	110	4½"	158	22	22
197	BM-10B-500-T5FG	500	10	4545	5	507	110	4½"	196	41	41
198	BM-2B-530-T4FG	530	2	3020	4	537	75	3"	44	3.4	3.4
199	BM-3B-530-T4FG	530	3	3535	4	537	90	3½"	63	13	13
200	BM-4B-530-T4FG	530	4	3535	4	537	90	3½"	82	3.5	3.5
201	BM-5B-530-T4FG	530	5	4040	4	537	100	4"	101	0.5	0.5
202	BM-6B-530-T5FG	530	6	4040	5	537	100	4"	120	9	9
203	BM-8B-530-T5FG	530	8	4545	5	537	110	4½"	158	22	22
204	BM-10B-530-T5FG	530	10	4545	5	537	110	4½"	196	41	41
205	BM-2B-560-T4FG	560	2	3020	4	567	75	3"	44	3.4	3.4
206	BM-3B-560-T4FG	560	3	3535	4	567	90	3½"	63	13	13
207	BM-4B-560-T4FG	560	4	3535	4	567	90	3½"	82	3.5	3.5
208	BM-5B-560-T4FG	560	5	4040	4	567	100	4"	101	0.5	0.5

Type 4

Type 5



Type 6



S. No	PRODUCT CODE	PCD	NO OF GROOVES	BUSH	TYPE	Outside	Max. Bore		L	N	M
						OD	Metric	Inch			
209	BM-6B-560-T5FG	560	6	4040	5	567	100	4"	120	9	9
210	BM-8B-560-T5FG	560	8	4545	5	567	110	4½"	158	22	22
211	BM-10B-560-T5FG	560	10	4545	5	567	110	4½"	196	41	41
212	BM-2B-600-T4FG	600	2	3020	4	607	75	3"	44	3.4	3.4
213	BM-3B-600-T4FG	600	3	3535	4	607	90	3½"	63	13	13
214	BM-4B-600-T4FG	600	4	3535	4	607	90	3½"	82	3.5	3.5
215	BM-5B-600-T4FG	600	5	4040	4	607	100	4"	101	0.5	0.5
216	BM-6B-600-T5FG	600	6	4040	5	607	100	4"	120	9	9
217	BM-8B-600-T5FG	600	8	4545	5	607	110	4½"	158	22	22
218	BM-10B-600-T5FG	600	10	4545	5	607	110	4½"	196	41	41
219	BM-2B-630-T4FG	630	2	3020	4	637	75	3"	44	3.4	3.4
220	BM-3B-630-T4FG	630	3	3535	4	637	90	3½"	63	13	13
221	BM-4B-630-T4FG	630	4	3535	4	637	90	3½"	82	3.5	3.5
222	BM-5B-630-T4FG	630	5	4040	4	637	100	4"	101	0.5	0.5
223	BM-6B-630-T4FG	630	6	4040	4	637	100	4"	120	9	9
224	BM-8B-630-T5FG	630	8	4545	5	637	110	4½"	158	22	22
225	BM-10B-630-T5FG	630	10	4545	5	637	110	4½"	196	41	41
226	BM-2B-710-T4FG	710	2	3030	4	717	75	3"	44	16.1	16.1
227	BM-3B-710-T4FG	710	3	3535	4	717	90	3½"	63	13	13
228	BM-4B-710-T4FG	710	4	3535	4	717	90	3½"	82	3.5	3.5
229	BM-5B-710-T4FG	710	5	4040	4	717	100	4"	101	0.5	0.5
230	BM-6B-710-T5FG	710	6	4545	5	717	110	4½"	120	3	3
231	BM-8B-710-T5FG	710	8	4545	5	717	110	4½"	158	22	22
232	BM-10B-710-T5FG	710	10	4545	5	717	110	4½"	196	41	41
233	BM-2B-762-T4FG	762	2	3030	4	769	75	3"	44	16	16
234	BM-3B-762-T4FG	762	3	3535	4	769	90	3½"	63	13	13
235	BM-4B-762-T4FG	762	4	4040	4	769	100	4"	82	10	10
236	BM-5B-762-T4FG	762	5	4040	4	769	100	4"	101	0.5	0.5
237	BM-6B-762-T5FG	762	6	4545	5	769	110	4½"	120	3	3
238	BM-8B-762-T5FG	762	8	4545	5	769	110	4½"	158	22	22
239	BM-10B-762-T5FG	762	10	4545	5	769	110	4½"	196	41	41
240	BM-2B-800-T4FG	800	2	3030	4	807	75	3"	44	16	16
241	BM-3B-800-T4FG	800	3	3535	4	807	90	3½"	63	13	13
242	BM-4B-800-T4FG	800	4	4040	4	807	100	4"	82	10	10
243	BM-5B-800-T4FG	800	5	4040	4	807	100	4"	101	0.5	0.5
244	BM-6B-800-T5FG	800	6	4545	5	807	110	4½"	120	3	3
245	BM-8B-800-T5FG	800	8	4545	5	807	110	4½"	158	22	22
246	BM-10B-800-T5FG	800	10	4545	5	807	110	4½"	196	41	41
247	BM-3B-900-T4FG	900	3	3535	4	907	90	3½"	63	13	13
248	BM-4B-900-T4FG	900	4	4040	4	907	100	4"	82	10	10
249	BM-5B-900-T4FG	900	5	4545	4	907	110	4½"	101	6.5	6.5
250	BM-6B-900-T5FG	900	6	4545	5	907	110	4½"	120	3	3
251	BM-8B-900-T5FG	900	8	4545	5	907	110	4½"	158	22	22
252	BM-10B-900-T5FG	900	10	5050	5	907	125	5"	196	34.5	34.5
253	BM-3B-1000-T4FG	1000	3	4040	4	1007	100	4"	63	19.5	19.5
254	BM-4B-1000-T5FG	1000	4	4040	5	1007	100	4"	82	10	10
255	BM-5B-1000-T6FG	1000	5	4545	6	1007	110	4½"	101	6.5	6.5
256	BM-6B-1000-T5FG	1000	6	4545	5	1007	110	4½"	120	3	3

S. No	PRODUCT CODE	PCD	NO OF GROOVES	BUSH	TYPE	Outside	Max. Bore		L	N	M
						OD	Metric	Inch			
257	BM-8B-1000-T6FG	1000	8	5050	6	1007	125	5"	158	15.5	15.5
258	BM-10B-1000-T5FG	1000	10	5050	5	1007	125	5"	196	34.5	34.5
259	BM-3B-1250-T4FG	1250	3	4040	4	1257	100	4"	63	19.5	19.5
260	BM-4B-1250-T5FG	1250	4	4040	5	1257	100	4"	82	10	10
261	BM-5B-1250-T6FG	1250	5	4545	6	1257	110	4½"	101	6.5	6.5
262	BM-6B-1250-T4FG	1250	6	5050	4	1257	125	5"	120	3.5	3.5
263	BM-8B-1250-T5FG	1250	8	5050	5	1257	125	5"	158	15.5	15.5
264	BM-10B-1250-T5FG	1250	10	5050	5	1257	125	5"	196	34.5	34.5

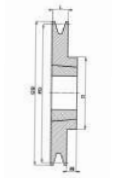
BESTOMECH TAPER BUSH PULLEYS

Pulleys For C, SPC Belts

Pulley Specifications

Explore a range of pulleys designed for strength, precision, and performance. Each model is engineered for optimal load handling, alignment, and smooth operation across industrial applications.

Type 1



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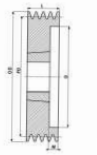

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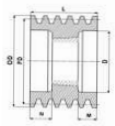
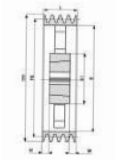
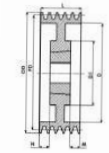


Type 4

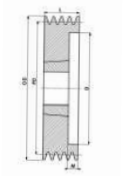
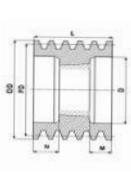
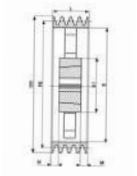
Type 5



Type 7



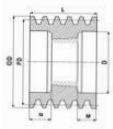
S. No	PRODUCT CODE	PCD	NO OF GROOVES	BUSH	TYPE	Outside	Max. Bore		L	N	M
						OD	Metric	Inch			
1	BM-3C-170-T2FG*	170	3	3020	2	179.6	75	3"	85	-	34
2	BM-3C-180-T2FG*	180	3	3020	2	189.6	75	3"	85	-	34
3	BM-3C-200-T2FG**	200	3	3020	2	209.6	75	3"	85	-	34
4	BM-4C-200-T2FG*	200	4	3020	2	209.6	75	3"	110.5	-	59.5
5	BM-5C-200-T2FG**	200	5	3535	2	209.6	90	3½"	136	-	47
6	BM-6C-200-T2FG*	200	6	3535	2	209.6	90	3½"	161.5	-	72.5
7	BM-7C-200-T3FG	200	7	3535	3	209.6	90	3½"	187	62	36
8	BM-8C-200-T3FG	200	8	3535	3	209.6	90	3½"	212.5	46	78
9	BM-3C-212-T2FG*	212	3	3020	2	221.6	75	3"	85	-	34
10	BM-4C-212-T2FG**	212	4	3020	2	221.6	75	3"	110.5	-	59.5
11	BM-5C-212-T2FG*	212	5	3535	2	221.6	90	3½"	136	-	47
12	BM-6C-212-T2FG**	212	6	3535	2	221.6	90	3½"	161.5	-	72.5
13	BM-7C-212-T2FG*	212	7	3535	2	221.6	90	3½"	187	-	98
14	BM-8C-212-T3FG*	212	8	3535	3	221.6	90	3½"	212.5	46	78
15	BM-3C-224-T5SG*	224	3	3020	5	233.6	75	3"	85	17	17
16	BM-4C-224-T3FG	224	4	3535	3	233.6	90	3½"	110.5	11	11
17	BM-5C-224-T3FG	224	5	3535	3	233.6	90	3½"	136	23.5	23.5
18	BM-6C-224-T3FG	224	6	3535	3	233.6	90	3½"	161.5	36.5	36.5
19	BM-7C-224-T3FG	224	7	3535	3	233.6	90	3½"	187	36	62
20	BM-8C-224-T3FG	224	8	3535	3	233.6	90	3½"	212.5	46	78

Type 2	Type 3	Type 5
		

S. No	PRODUCT CODE	PCD	NO OF GROOVES	BUSH	TYPE	Outside	Max. Bore		L	N	M
						OD	Metric	Inch			
21	BM-3C-236-T2FG*	236	3	3020	2	245.6	90	3½"	85	-	34.2
22	BM-3C-236-T5SG*	236	3	3020	5	245.6	75	3"	85	17	17
23	BM-4C-236-T2FG*	236	4	3535	2	245.6	90	3½"	110.5	-	21.5
24	BM-5C-236-T2FG*	236	5	3535	2	245.6	90	3½"	136	-	47
25	BM-6C-236-T2FG*	236	6	3535	2	245.6	90	3½"	161.5	-	72.5
26	BM-7C-236-T2FG*	236	7	3535	2	245.6	90	3½"	187	-	98
27	BM-8C-236-T2FG*	236	8	3535	2	245.6	90	3½"	212.5	-	123.5
28	BM-3C-250-T2FG*	250	3	3020	2	259.6	75	3"	85	-	34.2
29	BM-3C-250-T5SG*	250	3	3020	5	259.6	75	3"	85	17	17
30	BM-4C-250-T2FG*	250	4	3535	2	259.6	90	3½"	110.5	-	21.5
31	BM-5C-250-T2FG*	250	5	3535	2	259.6	90	3½"	136	-	47
32	BM-6C-250-T2FG**	250	6	3535	2	259.6	90	3½"	161.5	-	72.5
33	BM-7C-250-T2FG*	250	7	3535	2	259.6	90	3½"	187	-	98
34	BM-8C-250-T2FG*	250	8	4040	2	259.6	100	4"	212.5	-	110.5
35	BM-10C-250-T3FG	250	10	4040	3	259.6	100	4"	263.5	81	81
36	BM-4C-265-T3FG	265	4	3535	3	274.6	90	3½"	110.5	11	11
37	BM-5C-265-T3FG	265	5	3535	3	274.6	90	3½"	136	23.5	23.5
38	BM-6C-265-T3FG	265	6	3535	3	274.6	90	3½"	161.5	36.5	36.5
39	BM-7C-265-T2FG**	265	7	3535	2	274.6	90	3½"	187	-	98
40	BM-8C-265-T3FG*	265	8	3535	3	274.6	90	3½"	212.5	62	62
41	BM-10C-265-T3FG*	265	10	4040	3	274.6	100	4"	263.5	81	81
42	BM-3C-280-T5SG*	280	3	3535	5	289.6	90	3½"	85	2	2
43	BM-4C-280-T5SG*	280	4	3535	5	289.6	90	3½"	110.5	10.75	10.75
44	BM-5C-280-T2FG*	280	5	3535	2	289.6	90	3½"	136	-	47
45	BM-6C-280-T5SG*	280	6	3535	5	289.6	90	3½"	161.5	36.25	36.5
46	BM-7C-280-T5SG**	280	7	4040	5	289.6	100	4"	187	42.5	42.5
47	BM-8C-280-T5SG*	280	8	4040	5	289.6	100	4"	212.5	55.25	55.5
48	BM-10C-280-T3FG*	280	10	4040	3	289.6	100	4"	263.5	50	111.5
49	BM-10C-280-T5SG*	280	10	4040	5	289.6	100	4"	263.5	80.75	80.75
50	BM-3C-300-T4SG**	300	3	3535	4	309.6	90	3½"	85	2	2
51	BM-4C-300-T5SG*	300	4	3535	5	309.6	90	3½"	110.5	10.75	10.75
52	BM-5C-300-T5FG*	300	5	3535	5	309.6	90	3½"	136	23.5	23.5
53	BM-6C-300-T5SG*	300	6	3535	5	309.6	90	3½"	161.5	36.5	36.5
54	BM-7C-300-T5SG**	300	7	4040	5	309.6	100	4"	187	42.5	42.5
55	BM-8C-300-T5SG*	300	8	4040	5	309.6	100	4"	212.5	55.25	55.5
56	BM-10C-300-T3FG	300	10	4545	3	309.6	110	4½"	263.5	75	75
57	BM-3C-315-T4SG**	315	3	3535	4	324.6	90	3½"	85	2	2
58	BM-4C-315-T5SG*	315	4	3535	5	324.6	90	3½"	110.5	10.75	10.75
59	BM-5C-315-T5FG*	315	5	3535	5	324.6	90	3½"	136	23.5	23.5
60	BM-6C-315-T5FG**	315	6	3535	5	324.6	90	3½"	161.5	36.5	36.5
61	BM-7C-315-T5FG*	315	7	3535	5	324.6	90	3½"	187	49	49
62	BM-8C-315-T5SG*	315	8	4040	5	324.6	100	4"	212.5	55.25	55.25
63	BM-10C-315-T3FG	315	10	4545	3	324.6	110	4½"	263.5	75	75
64	BM-3C-335-T4SG**	335	3	3535	4	344.6	90	3½"	85	2	2
65	BM-4C-335-T5SG*	335	4	3535	5	344.6	90	3½"	110.5	10.75	10.75
66	BM-5C-335-T5SG**	335	5	3535	5	344.6	90	3½"	136	23.5	23.5
67	BM-6C-335-T5SG*	335	6	3535	5	344.6	90	3½"	161.5	36.5	36.5

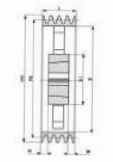
Type 2

Type 3



Type 4

Type 5



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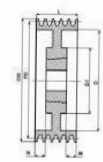
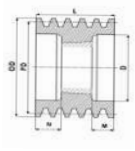


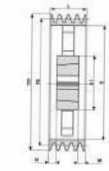
S. No	PRODUCT CODE	PCD	NO OF GROOVES	BUSH	TYPE	Outside	Max. Bore		L	N	M
						OD	Metric	Inch			
68	BM-7C-335-T5SG**	335	7	4040	5	344.6	100	4"	187	42.5	42.5
69	BM-8C-335-T5SG*	335	8	4040	5	344.6	100	4"	212.5	55.25	55.25
70	BM-10C-335-T3FG**	335	10	4545	3	344.6	110	4½"	263.5	50	99.5
71	BM-12C-335-T3FG*	335	12	4545	3	344.6	110	4½"	314.5	50	150.5
72	BM-3C-355-T4SG**	355	3	3535	4	364.6	90	3½"	85	2	2
73	BM-4C-355-T5SG*	355	4	3535	5	364.6	90	3½"	110.5	10.75	10.75
74	BM-5C-355-T5FG*	355	5	3535	5	364.6	90	3½"	136	23.5	23.5
75	BM-6C-355-T5SG*	355	6	3535	5	364.6	90	3½"	161.5	36.5	36.5
76	BM-7C-355-T5SG**	355	7	4040	5	364.6	100	4"	187	42.5	42.5
77	BM-8C-355-T5SG*	355	8	4040	5	364.6	100	4"	212.5	55.25	55.25
78	BM-10C-355-T7FG*	355	10	4545	7	364.6	110	4½"	263.5	74.75	74.75
79	BM-3C-375-T4SG**	375	3	3535	4	384.6	90	3½"	85	2	2
80	BM-4C-375-T5SG*	375	4	3535	5	384.6	90	3½"	110.5	10.75	10.75
81	BM-5C-375-T5SG**	375	5	4040	5	384.6	100	4"	136	17	17
82	BM-6C-375-T5SG*	375	6	4040	5	384.6	100	4"	161.5	29.75	29.75
83	BM-7C-375-T5SG**	375	7	4040	5	384.6	100	4"	187	42.5	42.5
84	BM-8C-375-T5SG*	375	8	4040	5	384.6	100	4"	212.5	55.25	55.25
85	BM-10C-375-T2FG*	375	10	4545	2	384.6	110	4½"	263.5	-	149.5
86	BM-12C-375-T3FG*	375	12	4545	3	384.6	110	4½"	314.5	50	150.5
87	BM-3C-400-T4SG**	400	3	3535	4	409.6	90	3½"	85	2	2
88	BM-4C-400-T5SG*	400	4	3535	5	409.6	90	3½"	110.5	10.75	10.75
89	BM-5C-400-T5SG*	400	5	4040	5	409.6	100	4"	136	17	17
90	BM-6C-400-T5SG*	400	6	4040	5	409.6	100	4"	161.5	29.75	29.75
91	BM-7C-400-T5SG**	400	7	4040	5	409.6	100	4"	187	42.5	42.5
92	BM-8C-400-T5SG*	400	8	4040	5	409.6	100	4"	212.5	55.25	55.25
93	BM-10C-400-T3FG*	400	10	5050	3	409.6	125	5"	263.5	50	137.5
94	BM-12C-400-T3FG*	400	12	5050	3	409.6	125	5"	314.5	50	137.5
95	BM-3C-425-T4SG**	425	3	3535	4	434.6	90	3½"	85	2	2
96	BM-4C-425-T5SG*	425	4	3535	5	434.6	90	3½"	110.5	10.75	10.75
97	BM-5C-425-T5SG**	425	5	4545	5	434.6	110	4½"	136	11	11
98	BM-6C-425-T5SG*	425	6	4545	5	434.6	110	4½"	161.5	23.75	23.75
99	BM-7C-425-T5SG**	425	7	4545	5	434.6	110	4½"	187	36.5	36.5
100	BM-8C-425-T5SG*	425	8	4545	5	434.6	110	4½"	212.5	49.25	49.25
101	BM-10C-425-T7FG	425	10	5050	7	434.6	125	5"	263.5	68.25	68.25
102	BM-3C-450-T4FG*	450	3	3535	4	459.6	90	3½"	85	2	2
103	BM-4C-450-T5SG*	450	4	3535	5	459.6	90	3½"	110.5	10.75	10.75
104	BM-5C-450-T5SG**	450	5	4545	5	459.6	110	4½"	136	11	11
105	BM-6C-450-T5SG*	450	6	4545	5	459.6	110	4½"	161.5	23.75	23.75
106	BM-7C-450-T5SG**	450	7	5050	5	459.6	125	5"	187	30	30
107	BM-8C-450-T5SG*	450	8	5050	5	459.6	125	5"	212.5	42.75	42.75
108	BM-10C-450-T7FG	450	10	5050	7	459.6	125	5"	263.5	68.25	68.25
109	BM-3C-475-T4SG**	475	3	3535	4	484.6	90	3½"	85	2	2
110	BM-4C-475-T5SG*	475	4	3535	5	484.6	90	3½"	110.5	10.75	10.75
111	BM-5C-475-T5FG*	475	5	4040	5	484.6	100	4"	136	17	17
112	BM-6C-475-T5SG*	475	6	4545	5	484.6	110	4½"	161.5	23.75	23.75
113	BM-7C-475-T5SG**	475	7	5050	5	484.6	125	5"	187	30	30
114	BM-8C-475-T5SG*	475	8	5050	5	484.6	125	5"	212.5	42.75	42.75
115	BM-10C-475-T7FG	475	10	5050	7	484.6	125	5"	263.5	68.25	68.25

Type 3



Type 4

Type 5



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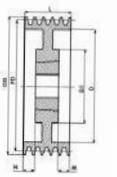
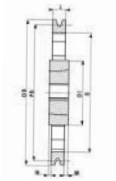
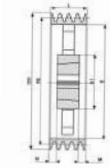


S. No	PRODUCT CODE	PCD	NO OF GROOVES	BUSH	TYPE	Outside	Max. Bore		L	N	M
						OD	Metric	Inch			
116	BM-3C-500-T4SG**	500	3	3535	4	509.6	90	3½"	85	2	2
117	BM-4C-500-T5SG*	500	4	3535	5	509.6	90	3½"	110.5	10.75	10.75
118	BM-5C-500-T5FG	500	5	4040	5	509.6	100	4"	136	17	17
119	BM-6C-500-T5FG**	500	6	5050	5	509.6	125	5"	161.5	17.25	17.25
120	BM-7C-500-T5FG*	500	7	5050	5	509.6	125	5"	187	30	30
121	BM-8C-500-T7FG	500	8	5050	7	509.6	125	5"	212.5	42.75	42.75
122	BM-10C-500-T7FG	500	10	5050	7	509.6	125	5"	263.5	68.25	68.25
123	BM-3C-530-T4SG**	530	3	4040	4	539.6	100	4"	85	8.5	8.5
124	BM-4C-530-T5SG*	530	4	4040	5	539.6	100	4"	110.5	4.25	4.25
125	BM-5C-530-T5SG**	530	5	4545	5	539.6	110	4½"	136	11	11
126	BM-6C-530-T5SG*	530	6	4545	5	539.6	110	4½"	161.5	23.75	23.75
127	BM-7C-530-T5SG**	530	7	5050	5	539.6	125	5"	187	30	30
128	BM-8C-530-T5SG*	530	8	5050	5	539.6	125	5"	212.5	42.75	42.75
129	BM-10C-530-T7FG	530	10	5050	7	539.6	125	5"	263.5	68.25	68.25
130	BM-3C-560-T4FG**	560	3	4040	4	569.6	100	4"	85	8.5	8..5
131	BM-4C-560-T5FG*	560	4	4040	5	569.6	100	4"	110.5	4.25	4.25
132	BM-5C-560-T5FG	560	5	4545	5	569.6	110	4½"	136	11	11
133	BM-6C-560-T5FG	560	6	5050	5	569.6	125	5"	161.5	17.25	17.25
134	BM-7C-560-T5FG**	560	7	5050	5	569.6	125	5"	187	30	30
135	BM-8C-560-T5FG*	560	8	5050	5	569.6	125	5"	212.5	42.75	42.75
136	BM-10C-560-T5FG*	560	10	5050	5	569.6	125	5"	263.5	68.25	68.25
137	BM-3C-600-T4FG	600	3	4040	4	609.6	100	4"	85	8.5	8.5
138	BM-4C-600-T4FG	600	4	4545	4	609.6	110	4½"	110.5	1.75	1.75
139	BM-5C-600-T5FG	600	5	4545	5	609.6	110	4½"	136	11	11
140	BM-6C-600-T5FG	600	6	5050	5	609.6	125	5"	161.5	17.25	17.25
141	BM-7C-600-T5FG	600	7	5050	5	609.6	125	5"	187	30	30
142	BM-8C-600-T5FG	600	8	5050	5	609.6	125	5"	212.5	42.75	42.75
143	BM-10C-600-T5FG	600	10	5050	5	609.6	125	5"	263.5	68.25	68.25
144	BM-3C-630-T4FG**	630	3	4040	4	639.6	100	4"	85	8.5	8.5
145	BM-4C-630-T5FG*	630	4	4040	5	639.6	100	4"	110.5	4.25	4.25
146	BM-5C-630-T5FG**	630	5	5050	5	639.6	125	5"	136	4.5	4.5
147	BM-6C-630-T5FG*	630	6	5050	5	639.6	125	5"	161.5	17.25	17.5
148	BM-7C-630-T5FG	630	7	5050	5	639.6	125	5"	187	30	30
149	BM-8C-630-T5FG**	630	8	5050	5	639.6	125	5"	212.5	42.75	42.75
150	BM-10C-630-T5FG*	630	10	5050	5	639.6	125	5"	263.5	68.25	68.25
151	BM-3C-710-T4FG	710	3	4545	4	719.6	110	4½"	85	14.5	14.5
152	BM-4C-710-T4FG	710	4	4545	4	719.6	110	4½"	110.5	1.75	1.75
153	BM-5C-710-T5FG	710	5	5050	5	719.6	125	5"	136	4.5	4.5
154	BM-6C-710-T5FG	710	6	5050	5	719.6	125	5"	161.5	17.25	17.25
155	BM-7C-710-T5FG**	710	7	5050	5	719.6	125	5"	187	30	30
156	BM-8C-710-T5FG*	710	8	5050	5	719.6	125	5"	212.5	42.75	42.75
157	BM-10C-710-T5FG	710	10	5050	5	719.6	125	5"	263.5	68.25	68.25
158	BM-3C-762-T4FG	762	3	4545	4	771.6	110	4½"	85	8.5	8..5
159	BM-4C-762-T4FG	762	4	4545	4	771.6	110	4½"	110.5	4.25	4.25
160	BM-5C-762-T5FG	762	5	5050	5	771.6	125	5"	136	11	11
161	BM-6C-762-T5FG	762	6	5050	5	771.6	125	5"	161.5	17.25	17.25
162	BM-7C-762-T5FG	762	7	5050	5	771.6	125	5"	187	30	30
163	BM-8C-762-T5FG	762	8	5050	5	771.6	125	5"	212.5	42.75	42.75

Type 4



Type 5

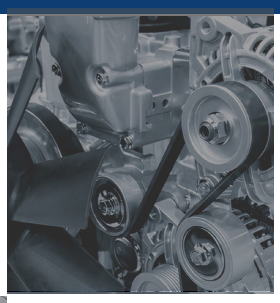


S. No	PRODUCT CODE	PCD	NO OF GROOVES	BUSH	TYPE	Outside	Max. Bore		L	N	M
						OD	Metric	Inch			
164	BM-10C-762-T5FG	762	10	5050	5	771.6	125	5"	263.5	68.25	68.25
165	BM-3C-800-T4FG	800	3	5050	4	809.6	125	5"	85	8.5	8..5
166	BM-4C-800-T4FG	800	4	5050	4	809.6	125	5"	110.5	4.25	4.25
167	BM-5C-800-T5FG	800	5	5050	5	809.6	125	5"	136	11	11
168	BM-6C-800-T5FG	800	6	5050	5	809.6	125	5"	161.5	17.25	17.25
169	BM-7C-800-T5FG	800	7	5050	5	809.6	125	5"	187	30	30
170	BM-8C-800-T5FG	800	8	5050	5	809.6	125	5"	212.5	42.75	42.75
171	BM-10C-800-T5FG	800	10	5050	5	809.6	125	5"	263.5	68.25	68.25
172	BM-3C-900-T4FG	900	3	5050	4	909.6	125	5"	85	8.5	8..5
173	BM-4C-900-T4FG	900	4	5050	4	909.6	125	5"	110.5	4.25	4.25
174	BM-5C-900-T5FG	900	5	5050	5	909.6	125	5"	136	11	11
175	BM-6C-900-T5FG	900	6	5050	5	909.6	125	5"	161.5	17.25	17.25
176	BM-7C-900-T5FG	900	7	5050	5	909.6	125	5"	187	30	30
177	BM-8C-900-T5FG	900	8	5050	5	909.6	125	5"	212.5	42.75	42.75
178	BM-10C-900-T5FG	900	10	5050	5	909.6	125	5"	263.5	68.25	68.25
179	BM-3C-1000-T4FG	1000	3	5050	4	1009.6	125	5"	85	8.5	8..5
180	BM-4C-1000-T4FG	1000	4	5050	4	1009.6	125	5"	110.5	4.25	4.25
181	BM-5C-1000-T5FG	1000	5	5050	5	1009.6	125	5"	136	11	11
182	BM-6C-1000-T5FG	1000	6	5050	5	1009.6	125	5"	161.5	17.25	17.25
183	BM-7C-1000-T5FG	1000	7	5050	5	1009.6	125	5"	187	30	30
184	BM-8C-1000-T5FG	1000	8	5050	5	1009.6	125	5"	212.5	42.75	42.75
185	BM-10C-1000-T5FG	1000	10	5050	5	1009.6	125	5"	263.5	68.25	68.25
186	BM-3C-1250-T4FG	1250	3	5050	4	1259.6	125	5"	85	8.5	8..5
187	BM-4C-1250-T4FG	1250	4	5050	4	1259.6	125	5"	110.5	4.25	4.25
188	BM-5C-1250-T5FG	1250	5	5050	5	1259.6	125	5"	136	11	11
189	BM-6C-1250-T5FG	1250	6	5050	5	1259.6	125	5"	161.5	17.25	17.25
190	BM-7C-1250-T5FG	1250	7	5050	5	1259.6	125	5"	187	30	30
191	BM-8C-1250-T5FG	1250	8	5050	5	1259.6	125	5"	212.5	42.75	42.75
192	BM-10C-1250-T5FG	1250	10	5050	5	1259.6	125	5"	263.5	68.25	68.25

02 Timing Pulley

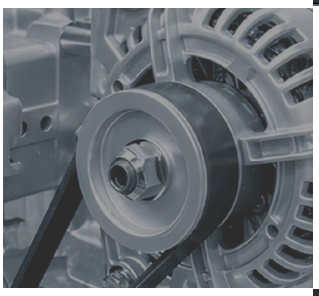
Product overview :

Synchronous belt drive pulleys that are precisely engineered to offer precise motion control and low slip. The timing pulleys are perfect for applications requiring quiet, smooth operation and where belt-tooth engagement is important.



One-to-One Synchronization

Precise tooth engagement prevents slippage and misalignment—ensuring shafts stay perfectly in sync.



Compact & Quiet Operation

Lightweight belt solutions operate smoothly and quietly, ideal for space-constrained and noise-sensitive setups.

Improved Machine Uptime

Precise, no-slippage drive lowers maintenance needs and reduces downtime.

Compact & Quiet Operation

Lightweight belt solutions operate smoothly and quietly, ideal for space-constrained and noise-sensitive setups.

INTRODUCTION

Timing pulleys with High torque carrying capacity comes to you from a reliable source , Bestomech Industries Bestomech Timing pulleys with High torque capacity fulfill the requirements for a positive drive capable of maintaining as exact speed ratio without creep Bestomech Timing pulleys with High torque capacity are available with Taper lock bush system. This system of shaft fixing ensure easy fixing and removal of assemblies

Bestomech Timing Pulleys with High torque capacity are manufactured from superior quality cast iron. They are precision machined and have grooves to perfectly match the belts. Pulleys with other material are available as Non Standard products to meet the customer requirements.

Range

Timing pulleys with high-torque capacity	Taper Lock bush system
Sections	L & H sections
High-torque pulleys	5M, 8M, 14M sections

Features

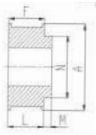
- Positive Non Slip drive provides exact speed ratio without creep or slip
- Provides high mechanical Efficiency
- Smooth operation and angular velocity with No jerk or vibration
- Operate at speeds beyond practical for roller chain system drives.
- No maintenance, No lubrication and no retensioning required. Reduces operating cost
- Reduced belt tension and longer drive bearing life
- Minimal heat build up resulting in cooler operations
- Space saving through smaller pulleys and short center distances
- Wide range of applications from Fractional to 250 Kw, Speed up to 20000 RPM, Speed ratio up to 20:1

Dimension Technical data

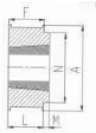
5MM PITCH HIGH TORQUE PULLEYS (15MM WIDE BELTS)

S.NO	Pulley Designation	Pitch	Belt width	No. of Teeth	Pulley Type	Bush No.	Max Bore		Pitch Dia	Outside Dia	A	F	j	K	L	M	N
							Metric	Inch									
1	28-5-15	5	15	28	1F	-	19	3/4	44.56	43.42	49	22	-	-	30	8	31
2	32-5-15	5	15	32	1F	-	22	7/8	50.93	49.79	56	22	-	-	30	8	38
3	34-5-15	5	15	34	2F	1008	25	1	54.11	52.97	57	22	-	-	22	0	0
4	36-5-15	5	15	36	2F	1108	28	1 1/8	57.3	56.15	62	22	-	-	22	0	0
5	38-5-15	5	15	38	2F	1108	28	1 1/8	60.48	59.34	66	22	-	-	22	0	0
6	40-5-15	5	15	40	2F	1108	28	1 1/8	63.66	62.52	70	22	-	-	22	0	0
7	44-5-15	5	15	44	2F	1108	28	1 1/8	70.03	68.89	75	22	-	-	22	0	0
8	48-5-15	5	15	48	2F	1108	32	1 1/4	76.39	75.25	79	22	-	-	25	3	59
9	56-5-15	5	15	56	2F	1210	32	1 1/4	89.13	87.98	95	22	-	-	25	3	75
10	64-5-15	5	15	64	2F	1210	32	1 1/4	101.86	100.72	106	22	-	-	25	3	80
11	72-5-15	5	15	72	11	1610	42	1 5/8	114.59	113.45	-	22	-	-	25	3	92
12	80-5-15	5	15	80	11	1610	42	1 5/8	127.32	126.18	-	22	-	-	25	3	92
13	90-5-15	5	15	90	11	1610	42	1 5/8	143.24	142.10	-	22	-	-	25	3	92
14	112-5-15	5	15	112	11	2012	50	2	178.25	177.11	-	20	-	-	32	12	110
15	136-5-15	5	15	136	9	2012	50	2	216.45	215.31	-	20	199	6	32	6	106
16	150-5-15	5	15	150	9	2012	50	2	238.73	237.59	-	20	222	6	32	6	106

Type 1F



Type 2F



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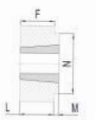
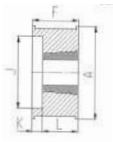


Type 9

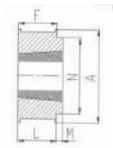
8MM PITCH HIGH TORQUE PULLEYS (20MM WIDE BELTS)

S.NO	Pulley Designation	Pitch	Belt width	No. of Teeth	Pulley Type	Bush No.	Max Bore		Pitch Dia	Outside Dia	A	F	J	K	L	M	N
							Metric	Inch									
1	22-8-20	8	20	22	4F	1008	25	1	56.02	54.65	62	26	41	4	22	0	-
2	24-8-20	8	20	24	4F	1108	28	1 1/8	61.12	59.75	70	26	44	4	22	0	-
3	26-8-20	8	20	26	4F	1108	28	1 1/8	66.21	64.84	75	26	44	4	22	0	-
4	28-8-20	8	20	28	4F	1108	28	1 1/8	71.30	70.08	79	26	50	4	22	0	-
5	30-8-20	8	20	30	4F	1108	28	1 1/8	76.39	75.13	86	26	55	4	22	0	-
6	32-8-20	8	20	32	2F	1610	42	1 5/8	81.49	80.16	90	26	0	0	26	0	-
7	34-8-20	8	20	34	2F	1610	42	1 5/8	86.58	85.22	95	26	0	0	26	0	-
8	36-8-20	8	20	36	2F	1610	42	1 5/8	91.67	90.3	98	26	0	0	26	0	-
9	38-8-20	8	20	38	2F	1610	42	1 5/8	96.77	95.39	106	26	0	0	26	0	-
10	40-8-20	8	20	40	2F	1610	42	1 5/8	101.86	100.49	111	26	0	0	26	0	-
11	44-8-20	8	20	44	2F	2012	50	2	112.05	110.67	119	26	0	0	32	6	92
12	48-8-20	8	20	48	2F	2012	50	2	122.23	120.86	135	26	0	0	32	6	104
13	56-8-20	8	20	56	2F	2012	50	2	142.60	141.23	151	26	0	0	32	6	111
14	64-8-20	8	20	64	2F	2012	50	2	162.97	161.60	169	26	0	0	32	6	111
15	72-8-20	8	20	72	11	2012	50	2	183.35	181.97	-	26	0	0	32	6	111
16	80-8-20	8	20	80	11	2012	50	2	203.72	202.35	-	26	0	0	32	6	111
17	90-8-20	8	20	90	11	2012	50	2	229.18	227.81	-	26	0	0	32	6	111

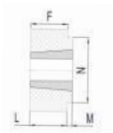
Type 4F



Type 2F



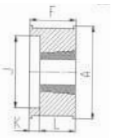
Type 11



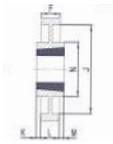
8MM PITCH HIGH TORQUE PULLEYS (30MM WIDE BELTS)

S.NO	Pulley Designation	Pitch	Belt width	No. of Teeth	Pulley Type	Bush No.	Max Bore		Pitch Dia	Outside Dia	A	F	J	K	L	M	N
							Metric	Inch									
1	22-8-30	8	30	22	4F	1008	25	1	56.02	54.65	62	36	41	14	22	0	-
2	24-8-30	8	30	24	4F	1108	28	1 1/8	61.12	59.75	70	36	44	14	22	0	-
3	26-8-30	8	30	26	4F	1108	28	1 1/8	66.21	64.84	75	36	44	14	22	0	-
4	28-8-30	8	30	28	4F	1210	32	1 1/4	71.30	70.08	79	36	55	11	25	0	-
5	30-8-30	8	30	30	2F	1610	42	1 5/8	76.39	75.13	86	36	0	0	38	2	66
6	32-8-30	8	30	32	2F	1610	42	1 5/8	81.49	80.16	90	36	0	0	38	2	66
7	34-8-30	8	30	34	2F	1610	42	1 5/8	86.58	85.22	95	36	0	0	38	2	70
8	36-8-30	8	30	36	2F	1610	42	1 5/8	91.67	90.30	98	36	0	0	38	2	70
9	38-8-30	8	30	38	2F	1610	42	1 5/8	96.77	95.39	106	36	0	0	38	2	75
10	40-8-30	8	30	40	2F	1510	42	1 5/8	101.86	100.49	111	36	0	0	38	2	75
11	44-8-30	8	30	44	4F	2012	50	2	112.05	110.67	119	36	80	4	32	0	-
12	48-8-30	8	30	48	4F	2012	50	2	122.23	120.86	135	36	90	4	32	0	-
13	56-8-30	8	30	56	4F	2012	50	2	142.60	141.23	151	36	110	4	32	0	124
14	64-8-30	8	30	64	2F	2517	60	2 1/2	162.97	161.60	158	36	0	0	45	9	124
15	72-8-30	8	30	72	11	2517	60	2 1/2	183.35	181.97	-	36	0	0	45	9	124
16	80-8-30	8	30	80	11	2517	60	2 1/2	203.72	202.35	-	36	0	0	45	9	124
17	90-8-30	8	30	90	9	2517	60	2 1/2	229.18	227.81	-	36	198	4.5	45	4.5	124
18	112-8-30	8	30	112	9	2517	60	2 1/2	285.21	283.83	-	36	254	4.5	45	4.5	124
19	144-8-30	8	30	144	10	2517	60	2 1/2	366.69	365.32	-	36	335	4.5	45	4.5	124

Type 4F



Type 9



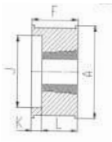
Type 10

Type 11

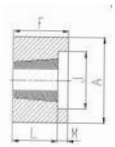
8MM PITCH HIGH TORQUE PULLEYS (50MM WIDE BELTS)

S.NO	Pulley Designation	PItch	Belt width	No. of Teeth	Pulley Type	Bush No.	Max Bore		Pitch Dia	Outside Dia	A	F	J	K	L	M	N
							Metric	Inch									
1	28-8-50	8	50	28	4F	1210	32	1 1/4	71.30	70.08	79	57	55	32	25	0	-
2	30-8-50	8	50	30	4F	1610	42	1 5/8	76.39	75.13	86	57	60	19	38	0	-
3	32-8-50	8	50	32	4F	1610	42	1 5/8	81.49	80.16	90	57	60	19	38	0	-
4	34-8-50	8	50	34	4F	1610	42	1 5/8	86.58	85.22	95	57	64	19	38	0	-
5	36-8-50	8	50	36	4F	1610	42	1 5/8	91.67	90.30	98	57	65	19	38	0	-
6	38-8-50	8	50	38	5F	1610	42	1 5/8	96.77	95.39	106	57	74	0	38	19	-
7	40-8-50	8	50	40	4F	2012	50	2	101.86	100.49	111	57	75	25	32	0	-
8	44-8-50	8	50	44	5F	2012	50	2	112.05	110.67	119	57	88	0	32	25	-
9	48-8-50	8	50	48	5F	2012	50	2	122.23	120.86	135	57	90	0	32	25	-
10	56-8-50	8	50	56	5F	2517	60	2 1/2	142.60	141.23	151	57	110	0	45	12	-
11	64-8-50	8	50	64	5F	2517	60	2 1/2	162.97	161.6	168	57	130	0	45	12	-
12	72-8-50	8	50	72	5	2517	60	2 1/2	183.35	181.97	-	57	152	0	45	12	-
13	80-8-50	8	50	80	5	3020	75	3	203.72	202.35	-	57	172	0	45	6	-
14	90-8-50	8	50	90	7	3020	75	3	229.18	227.81	-	57	197	3	51	3	150
15	112-8-50	8	50	112	8	3020	75	3	285.21	283.83	-	57	253	3	51	3	150
16	144-8-50	8	50	144	8	3020	75	3	366.69	365.32	-	57	335	3	51	3	150
17	168-8-50	8	50	168	10	3525	100	4	427.81	426.44	-	57	396	2	65	4	198
18	192-8-50	8	50	192	10	3525	100	4	488.92	487.55	-	57	457	2	65	4	198

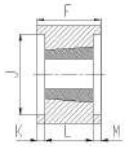
Type 4F



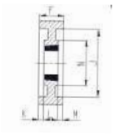
Type 5



Type 6



Type 7

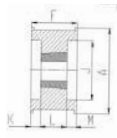


Type 8

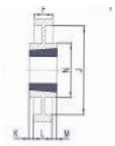
8MM PITCH HIGH TORQUE PULLEYS (85MM WIDE BELTS)

S.NO	Pulley Designation	PItch	Belt width	No. of Teeth	Pulley Type	Bush No.	Max Bore		Pitch Dia	Outside Dia	A	F	J	K	L	M	N
							Metric	Inch									
1	34-8-85	8	85	34	4F	1615	42	1 5/8	86.58	85.22	95	94	64	56	38	0	-
2	36-8-85	8	85	36	4F	1615	42	1 5/8	91.67	90.3	98	94	65	56	38	0	-
3	38-8-85	8	85	38	4F	1615	42	1 5/8	96.77	95.39	106	94	65	56	38	0	-
4	40-8-85	8	85	40	4F	2012	50	2	101.86	100.49	111	94	78	62	32	0	-
5	44-8-85	8	85	44	4F	2012	50	2	112.05	110.67	119	94	85	62	32	0	-
6	48-8-85	8	85	48	4F	2517	60	2 1/2	122.23	120.86	135	94	96	49	45	0	-
7	56-8-85	8	85	56	6F	2517	60	2 1/2	142.60	141.23	151	94	111	24.5	45	24.5	-
8	64-8-85	8	85	64	6F	2517	60	2 1/2	162.97	161.60	168	94	131	24.5	45	24.5	-
9	72-8-85	8	85	72	6	3020	75	3	183.35	181.97	-	94	152	21.5	51	21.5	-
10	80-8-85	8	85	80	6	3020	75	3	203.72	202.35	-	94	172	21.5	51	21.5	-
11	90-8-85	8	85	90	6	3020	75	3	229.18	227.81	-	94	197	21.5	51	21.5	-
12	112-8-85	8	85	112	7	3020	75	3	285.21	283.83	-	94	253	21.5	51	21.5	150
13	144-8-85	8	85	144	7	3525	100	4	366.69	365.32	-	94	335	14.5	65	14.5	198
14	168-8-85	8	85	168	8	3525	100	4	427.81	426.44	-	94	396	14.5	65	14.5	198
15	192-8-85	8	85	192	8	3525	100	4	488.92	487.55	-	94	457	14.5	65	14.5	198

Type 6F



Type 9

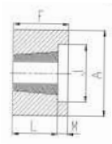


Type 10

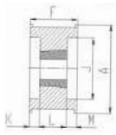
14MM PITCH HIGH TORQUE PULLEYS (40MM WIDE BELTS)

S.NO	Pulley Designation	PItch	Belt width	No. of Teeth	Pulley Type	Bush No.	Max Bore		Pitch Dia	Outside Dia	A	F	J	K	L	M	N
							Metric	Inch									
1	28-14-40	14	40	28	5F	2012	50	2	124.78	122.12	141	54	88	0	32	22	-
2	29-14-40	14	40	29	5F	2012	50	2	129.23	126.57	141	54	90	0	32	22	-
3	30-14-40	14	40	30	5F	2012	50	2	133.69	130.99	141	54	91	0	32	22	-
4	32-14-40	14	40	32	6F	2012	50	2	142.60	139.88	156	54	100	11	32	11	-
5	34-14-40	14	40	34	6F	2517	60	2 1/2	151.51	148.79	156	54	109	4.5	45	4.5	-
6	36-14-40	14	40	36	5F	2517	60	2 1/2	160.43	157.68	169	54	117	0	45	9	-
7	38-14-40	14	40	38	5F	2517	60	2 1/2	169.34	166.60	183	54	126	0	45	9	-
8	40-14-40	14	40	40	5F	2517	60	2 1/2	178.25	175.49	197	54	135	0	45	9	-
9	44-14-40	14	40	44	5F	3020	75	3	196.08	193.28	211	54	153	0	51	3	-
10	48-14-40	14	40	48	5F	3020	75	3	213.90	211.11	226	54	171	0	51	3	-
11	56-14-40	14	40	56	7F	3020	75	3	249.55	246.76	267	54	207	1.5	51	1.5	144
12	64-14-40	14	40	64	8F	3020	75	3	285.21	282.41	297	54	242	1.5	51	1.5	159
13	72-14-40	14	40	72	8	3020	75	3	320.86	318.06	-	54	278	1.5	51	1.5	159
14	80-14-40	14	40	80	7	3020	75	3	356.51	353.71	-	54	314	1.5	51	1.5	159
15	90-14-40	14	40	90	8	3020	75	3	401.07	398.28	-	54	362	1.5	51	1.5	159
16	112-14-40	14	40	112	8	3020	75	3	499.11	496.32	-	54	460	1.5	51	1.5	159
17	144-14-40	14	40	144	8	3020	75	3	641.71	638.92	-	54	600	1.5	51	1.5	159
18	168-14-40	14	40	168	8	3020	75	3	748.66	745.87	-	54	706	1.5	51	1.5	159
19	192-14-40	14	40	192	8	3020	75	3	855.62	852.82	-	54	812	1.5	51	1.5	159

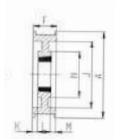
Type 5F



Type 6F



Type 7F

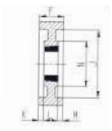


Type 8F

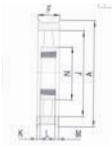
14MM PITCH HIGH TORQUE PULLEYS (55MM WIDE BELTS)

S.NO	Pulley Designation	PItch	Belt width	No. of Teeth	Pulley Type	Bush No.	Max Bore		Pitch Dia	Outside Dia	A	F	J	K	L	M	N
							Metric	Inch									
1	28-14-55	14	55	28	6F	2012	50	2	124.78	122.12	141	70	90	19	32	19	-
2	29-14-55	14	55	29	6F	2012	50	2	129.23	126.57	141	70	91	19	32	19	-
3	30-14-55	14	55	30	6F	2517	60	2 1/2	133.69	130.99	141	70	98	12.5	45	12.5	-
4	32-14-55	14	55	32	6F	2517	60	2 1/2	142.60	139.88	156	70	100	12.5	45	12.5	-
5	34-14-55	14	55	34	6F	2517	60	2 1/2	151.51	148.79	156	70	109	12.5	45	12.5	-
6	36-14-55	14	55	36	5F	2517	60	2 1/2	160.43	157.68	169	70	117	0	45	2.5	-
7	38-14-55	14	55	38	5F	2517	60	2 1/2	169.34	166.60	183	70	126	0	45	2.5	-
8	40-14-55	14	55	40	6F	2517	60	2 1/2	178.25	175.49	197	70	135	12.5	45	12.5	-
9	44-14-55	14	55	44	6F	3020	75	3	196.08	193.28	211	70	153	9.5	51	9.5	-
10	48-14-55	14	55	48	6F	3020	75	3	213.9	211.11	226	70	171	9.5	51	9.5	-
11	56-14-55	14	55	56	6F	3020	75	3	249.55	246.76	267	70	207	9.5	51	9.5	-
12	64-14-55	14	55	64	7F	3020	75	3	285.21	282.41	297	70	242	9.5	51	9.5	159
13	72-14-55	14	55	72	8	3020	75	3	320.86	318.06	-	70	278	9.5	51	9.5	159
14	80-14-55	14	55	80	8	3020	75	3	356.51	353.71	-	70	314	9.5	51	9.5	159
15	90-14-55	14	55	90	8	3020	75	3	401.07	398.28	-	70	358	9.5	51	9.5	159
16	112-14-55	14	55	112	8	3020	75	3	499.11	496.32	-	70	456	9.5	51	9.5	159
17	144-14-55	14	55	144	8	3020	75	3	641.71	638.92	-	70	600	9.5	51	9.5	159
18	168-14-55	14	55	168	8	3020	75	3	748.66	745.87	-	70	706	9.5	51	9.5	159
19	192-14-55	14	55	192	8	3020	75	3	855.62	852.82	-	70	812	9.5	51	9.5	159

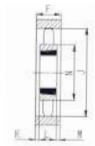
Type 7



Type 8F



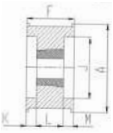
Type 8



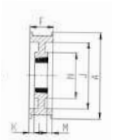
14MM PITCH HIGH TORQUE PULLEYS (85MM WIDE BELTS)

S.NO	Pulley Designation	PItch	Belt width	No. of Teeth	Pulley Type	Bush No.	Max Bore		Pitch Dia	Outside Dia	A	F	J	K	L	M	N
							Metric	Inch									
1	28-14-85	14	85	28	6F	2517	60	2 1/2	124.78	122.12	141	102	98	27.5	45	27.5	-
2	29-14-85	14	85	29	6F	2517	60	2 1/2	129.23	126.57	141	102	98	27.5	45	27.5	-
3	30-14-85	14	85	30	6F	2517	60	2 1/2	133.69	130.99	141	102	100	27.5	45	27.5	-
4	32-14-85	14	85	32	6F	2517	60	2 1/2	142.60	139.88	156	102	100	27.5	45	27.5	-
5	34-14-85	14	85	34	6F	2517	60	2 1/2	151.51	148.79	156	102	109	25.5	45	27.5	-
6	36-14-85	14	85	36	6F	3020	75	3	160.43	157.68	169	102	123	25.5	51	25.5	-
7	38-14-85	14	85	38	6F	3020	75	3	169.34	166.60	183	102	126	25.5	51	25.5	-
8	40-14-85	14	85	40	6F	3020	75	3	178.25	175.49	197	102	135	25.5	51	25.5	-
9	44-14-85	14	85	44	6F	3020	75	3	196.08	193.28	211	102	153	25.5	51	25.5	-
10	48-14-85	14	85	48	6F	3020	75	4	213.90	211.11	226	102	171	25.5	51	25.5	-
11	56-14-85	14	85	56	6F	3525	100	4	249.55	246.76	267	102	207	18.5	65	18.5	-
12	64-14-85	14	85	64	6F	3525	100	4	285.21	282.41	297	102	242	18.5	65	18.5	-
13	72-14-85	14	85	72	7	3525	100	4	320.86	318.06	-	102	278	18.5	65	18.5	178
14	80-14-85	14	85	80	7	3525	100	4	356.51	353.71	-	102	314	18.5	65	18.5	178
15	90-14-85	14	85	90	8	3525	100	4	401.07	398.28	-	102	358	18.5	65	18.5	178
16	112-14-85	14	85	112	8	3525	100	4	499.11	496.32	-	102	456	18.5	65	18.5	178
17	144-14-85	14	85	144	8	3525	100	4	641.71	638.92	-	102	600	18.5	65	18.5	206
18	168-14-85	14	85	168	8	3525	100	4	748.66	745.87	-	102	706	18.5	65	18.5	206
19	192-14-85	14	85	192	8	4030	115	4 1/2	855.62	852.82	-	102	812	13	76	13	216

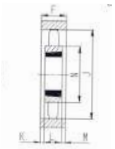
Type 6F



Type 7



Type 8



03 POLY-V PULLEY

Product Overview :

BESTOMECH POLY-V pulleys are designed and manufactured with extreme accuracy to ensure optimal lifetime and performance of the transmission system.
BMI is able to provide custom-made solutions to fulfil any specific technical requirement.

INTRODUCTION

Material : Steel for diameters up to 50 mm Grey cast iron (G25 G30) for diameters exceeding 50 mm

Finishing : Protective surface treatment

- J
- K
- L
- M

Special Executions :

Besides the standard material on request are available special executions in aluminum, thermosetting plastics and thermoplastics. For peripheral speed exceeding 33 m/s it is strongly recommended to use steel as material of construction.

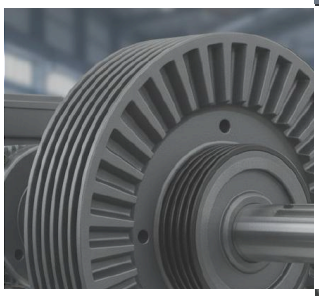
Peripheral speed [m/s] = (pulley diameter [mm] × rpm) / 19100

Balancing :

BMI Poly-V pulleys have a statically balanced degree of G6.3 at 1500 rpm in accordance with ISO 1940.
On request it is possible to perform static balancing at higher degrees or dynamic balancing.

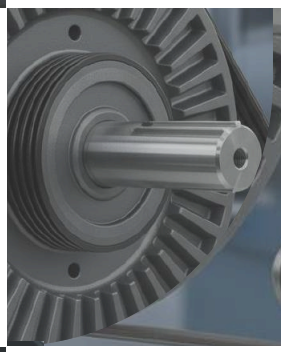
Reliable Power Transmission

Multi-rib design delivers smooth, slip-free performance and consistent torque in demanding applications.



Space-Saving Efficiency

Compact pulley profile supports high power transfer in smaller installations, saving valuable space.



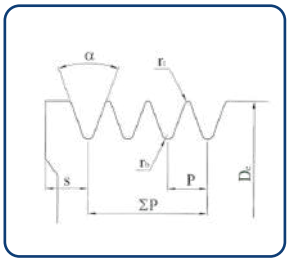
Low Maintenance & Long Life

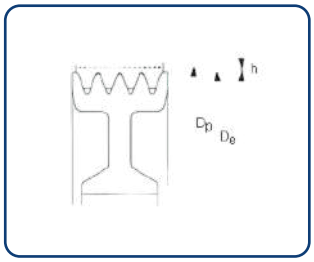
Precision grooves reduce wear, extend belt life, and cut downtime with minimal servicing.

High-Speed Capability

Balanced construction ensures quiet, vibration-free operation even at elevated speeds.

Section	α°	P(mm)	Tolerance of P (mm)	rt min [mm]	rb max [mm]	s min [mm]	h [mm]
H	40 ± 0.5	1.60 ± 0.03	± 0.03	0.15	0.30	1.3	0.8
J	40 ± 0.5	2.34 ± 0.03	± 0.03	0.20	0.40	1.8	1.2
k	40 ± 0.5	3.56 ± 0.05	± 0.03	0.25	0.50	2.5	2.0
L	40 ± 0.5	4.70 ± 0.05	± 0.03	0.40	0.40	3.3	3.0
M	40 ± 0.5	9.40 ± 0.08	± 0.03	0.70	3.30	6.4	4.0

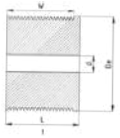




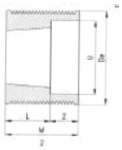
"PVB" Poly-V "J" PULLEY CATALOGUE

De= External Diameter Dp = Pitch Length H = (Dp - De)/2

Type 1

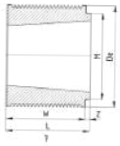


Type 2

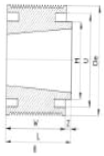


Type 3

Type 7



Type 8



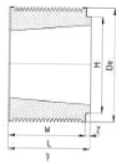
S.No	Da [mm]	Number of grooves	Type	BMI Taper bushing	L [mm]	z [mm]	M [mm]	U [mm]	d [mm]	W [mm]
1	20	4	1	-	22.5	-	-	-	5.0	13.5
		8	1	-	32.0	-	-	-	5.0	23.0
		12	1	-	41.5	-	-	-	5.0	32.5
		16	1	-	51.0	-	-	-	5.0	42.0
		20	1	-	61.0	-	-	-	5.0	52.0
2	25	4	1	-	22.5	-	-	-	5.0	13.5
		8	1	-	32.0	-	-	-	5.0	23.0
		12	1	-	41.5	-	-	-	5.0	32.5
		16	1	-	51.0	-	-	-	5.0	42.0
		20	1	-	61.0	-	-	-	5.0	52.0
3	30	4	1	-	22.5	-	-	-	9.5	13.5
		8	1	-	32.0	-	-	-	9.5	23.0
		12	1	-	41.5	-	-	-	9.5	32.5
		16	1	-	51.0	-	-	-	9.5	42.0
		20	1	-	61.0	-	-	-	9.5	52.0
4	35	4	1	-	22.5	-	-	-	9.5	13.5
		8	1	-	32.0	-	-	-	9.5	23.0
		12	1	-	41.5	-	-	-	9.5	32.5
		16	1	-	51.0	-	-	-	9.5	42.0
		20	1	-	61.0	-	-	-	9.5	52.0
5	40	4	1	-	22.5	-	-	-	12.0	13.5
		8	1	-	32.0	-	-	-	12.0	23.0
		12	1	-	41.5	-	-	-	12.0	32.5
		16	1	-	51.0	-	-	-	12.0	42.0
		20	1	-	61.0	-	-	-	12.0	52.0
6	45	4	1	-	22.5	-	-	-	12.0	13.5
		8	1	-	32.0	-	-	-	12.0	23.0
		12	1	-	41.5	-	-	-	12.0	32.5
		16	1	-	51.0	-	-	-	12.0	42.0
		20	1	-	61.0	-	-	-	12.0	52.0
7	50	4	1	-	22.5	-	-	-	12.0	13.5
		8	1	-	32.0	-	-	-	12.0	23.0
		12	1	-	41.5	-	-	-	12.0	32.5
		16	1	-	51.0	-	-	-	12.0	42.0
		20	1	-	61.0	-	-	-	12.0	52.0
8	56	4	7	1108	23.0	9.5	50	-	-	13.5
		8	3	1108	23.0	-	-	-	-	23.0
		12	1	-	41.5	-	-	-	12.0	32.5
		16	1	-	51.0	-	-	-	12.0	42.0
		20	1	-	61.0	-	-	-	12.0	52.0
9	60	4	7	1108	23.0	9.5	50	-	-	13.5
		8	3	1108	23.0	-	-	-	-	23.0
		12	2	1108	23.0	9.5	-	45	-	32.5
		16	1	-	51.0	-	-	-	12.0	42.0
		20	1	-	61.0	-	-	-	12.0	52.0
10	63	4	7	1108	23.0	9.5	50	-	-	13.5
		8	3	1108	23.0	-	-	-	-	23.0
		12	2	1108	23.0	9.5	-	45	-	32.5
		16	1	-	51.0	-	-	-	12.0	42.0
		20	1	-	61.0	-	-	-	12.0	52.0
11	67	4	7	1108	23.0	9.5	50	-	-	13.5
		8	3	1108	23.0	-	-	-	-	23.0
		12	2	1108	23.0	9.5	-	51	-	32.5
		16	1	-	51.0	-	-	-	12.0	42.0
		20	1	-	61.0	-	-	-	12.0	52.0

S. No	Da [mm]	Number of grooves	Type	BMI Taper bushing	L [mm]	z [mm]	M [mm]	U [mm]	W [mm]
12	71	4	7	1108	23	9.5	60	-	13.5
		8	3	1108	23	-	-	-	23.0
		12	2	1108	23	9.5	-	55	32.5
		16	3	1215	42	-	-	55	42.0
		20	2	1215	42	10.0	-	55	52.0
13	75	4	7	1108	23	9.5	60	-	13.5
		8	3	1108	23	-	-	-	23.0
		12	2	1210	26	6.5	-	59	32.5
		16	2	1610	26	16.0	-	59	42.0
		20	2	1615	42	10.0	-	59	52.0
14	80	4	7	1310	26	12.5	70	-	13.5
		8	7	1310	26	3.0	70	-	23.0
		12	2	1610	26	6.5	-	64	32.5
		16	2	1610	26	16.0	-	64	42.0
		20	2	1615	42	10.0	-	64	52.0
15	85	4	7	1310	26	12.5	70	-	13.5
		8	7	1310	26	3.0	70	-	23.0
		12	2	1610	26	6.5	-	69	32.5
		16	2	1610	26	16.0	-	69	42.0
		20	2	1615	42	10.0	-	69	52.0
16	90	4	7	1610	26	12.5	82	-	13.5
		8	7	1610	26	3.0	82	-	23.0
		12	2	1610	26	6.5	-	74	32.5
		16	2	1610	26	16.0	-	74	42.0
		20	2	1615	42	10.0	-	74	52.0
17	95	4	7	1610	26	12.5	82	-	13.5
		8	7	1610	26	3.0	82	-	23.0
		12	2	1610	26	6.5	-	79	32.5
		16	2	1610	26	16.0	-	79	42.0
		20	2	1615	42	10.0	-	79	52.0
18	100	4	7	1610	26	12.5	82	-	13.5
		8	7	1610	26	3.0	82	-	23.0
		12	2	1610	26	6.5	-	82	32.5
		16	2	1610	26	16.0	-	82	42.0
		20	2	1615	42	10.0	-	82	52.0
19	106	4	7	1610	26	12.5	88	-	13.5
		8	7	1610	26	3.0	88	-	23.0
		12	2	1610	26	6.5	-	88	32.5
		16	2	1610	26	16.0	-	88	42.0
		20	2	1615	42	10.0	-	88	52.0
20	112	4	7	1610	26	12.5	90	-	13.5
		8	7	1610	26	3.0	90	-	23.0
		12	2	1610	26	6.5	-	94	32.5
		16	2	1610	26	16.0	-	94	42.0
		20	2	1615	42	10.0	-	94	52.0
21	118	4	7	1610	26	12.5	90	-	13.5
		8	7	1610	26	3.0	90	-	23.0
		12	2	2012	32	0.5	-	98	32.5
		16	2	2012	32	10.0	-	98	42.0
		20	2	2012	32	20.0	-	98	52.0
22	125	4	8	1610	26	12.5	90	109	13.5
		8	8	1610	26	3.0	90	109	23.0
		12	2	2012	32	0.5	-	105	32.5
		16	2	2012	32	10.0	-	105	42.0
		20	2	2517	45	7.0	-	105	52.0

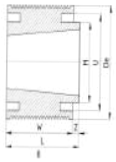
"PVB" Poly-V "J" PULLEY CATALOGUE

S. No	Da [mm]	Number of grooves	Type	BMI Taper bushing	L [mm]	z [mm]	M [mm]	U [mm]	W [mm]
23	132	4	8	1610	26	12.5	90	116	13.5
		8	8	1610	26	3.0	90	116	23.0
		12	2	2012	32	0.5	-	112	32.5
		16	2	2012	32	10.0	-	112	42.0
		20	2	2517	45	7.0	-	112	52.0
24	140	4	8	1610	26	12.5	90	124	13.5
		8	8	1610	26	3.0	90	124	23.0
		12	7	2517	45	12.5	120	-	32.5
		16	7	2517	45	3.0	120	-	42.0
		20	2	2517	45	7.0	-	124	52.0
25	160	4	8	2012	32	18.5	110	144	13.5
		8	8	2012	32	9.0	110	144	23.0
		12	8	2517	45	12.5	120	140	32.5
		16	8	2517	45	3.0	120	140	42.0
		20	2	2517	45	7.0	-	140	52.0
26	180	4	6	2012	32	9.3	110	164	13.5
		8	6	2012	32	45	110	164	23.0
		12	6	2517	45	6.3	120	160	32.5
		16	6	2517	45	1.5	120	160	42.0
		20	5	2517	45	3.5	120	160	52.0
27	200	4	6	2012	32	9.3	110	185	13.5
		8	6	2012	32	4.5	110	185	23.0
		12	6	2517	45	6.3	120	180	32.5
		16	6	2517	45	1.5	120	180	42.0
		20	5	2517	45	3.5	120	180	52.0
28	224	4	6	2012	32	9.3	110	208	13.5
		8	6	2012	32	4.5	110	208	23.0
		12	6	2517	45	6.3	120	204	32.5
		16	6	2517	45	1.5	120	204	42.0
		20	5	2517	45	3.5	120	204	52.0
29	250	4	9	2012	32	9.3	110	234	13.5
		8	9	2012	32	4.5	110	234	23.0
		12	6	2517	45	6.3	120	230	32.5
		16	6	2517	45	1.5	120	230	42.0
		20	5	2517	45	3.5	120	230	52.0
30	280	4	9	2012	32	9.3	110	264	13.5
		8	9	2012	32	4.5	110	264	23.0
		12	9	2517	45	6.3	120	260	32.5
		16	9	2517	45	1.5	120	260	42.0
		20	10	2517	45	3.5	120	260	52.0
31	315	4	9	2012	32	9.3	110	299	13.5
		8	9	2012	32	4.5	110	299	23.0
		12	9	2517	45	6.3	120	295	32.5
		16	9	2517	45	1.5	120	295	42.0
		20	10	2517	45	3.5	120	295	52.0
32	335	4	9	2517	45	15.7	120	399	13.5
		8	9	2517	45	11.0	120	399	23.0
		12	9	2517	45	6.3	120	335	32.5
		16	9	3020	52	5.0	146	335	42.0
		20	10	3020	52	-	146	335	52.0
33	400	4	9	2517	45	15.8	120	380	13.5
		8	9	2517	45	11.0	120	380	23.0
		12	9	2517	45	6.3	120	380	32.5
		16	9	3020	52	5.0	146	380	42.0
		20	10	3020	52	-	146	380	52.0

Type 7



Type 8



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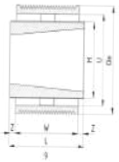

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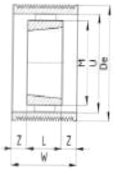
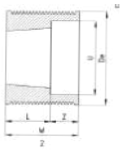
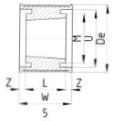


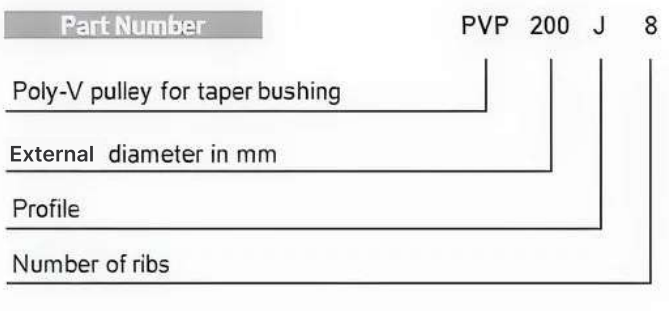
Type 2



Type 5



Type 6



Compact, high-grip pulley for smooth, efficient power transmission. Durable, low-vibration design ideal for industrial and HVAC applications.

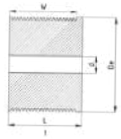
NOTES:

- Precision-engineered timing pulleys designed for synchronous belt drives ensure accurate motion transfer and extended service life.

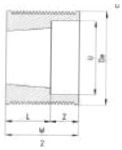
"PVB" Poly-V "K" PULLEY CATALOGUE

Dimensions of Poly-V pulleys – mounting taper bushing BMI Compact, high-grip pulley for smooth, efficient power transmission.

Type 1

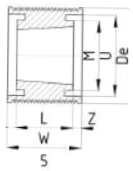


Type 2

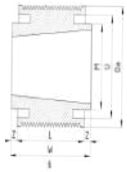


Type 3

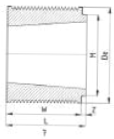
Type 5



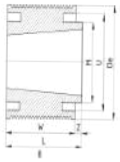
Type 6



Type 7



Type 8



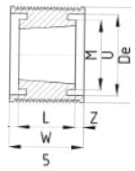
S.No	Da [mm]	Number of grooves	Type	BMI Taper bushing	L [mm]	z [mm]	M [mm]	U [mm]	d [mm]	W [mm]
1	50	4	1	-	32	-	-	-	12	20.5
		6	1	-	40	-	-	-	12	28.5
		8	1	-	48	-	-	-	12	36.0
		10	1	-	54	-	-	-	12	42.0
		12	1	-	61	-	-	-	12	49.0
2	56	4	3	1108	20.5	-	-	-	-	20.5
		6	1	-	40	-	-	-	12	28.5
		8	1	-	48	-	-	-	12	36.0
		10	1	-	54	-	-	-	12	42.0
		12	1	-	61	-	-	-	12	49.0
3	60	4	3	1108	20.5	-	-	-	-	20.5
		6	2	1108	22	6.5	-	4.5	-	28.5
		8	1	-	48	-	-	-	12	36.0
		10	1	-	54	-	-	-	12	42.0
		12	1	-	61	-	-	-	12	49.0
4	63	4	3	1108	20.5	-	-	-	-	20.5
		6	2	1108	22	6.5	-	48	-	28.5
		8	1	-	48	-	-	-	12	36.0
		10	1	-	54	-	-	-	12	42.0
		12	1	-	61	-	-	-	12	49.0
5	67	4	3	1108	20.5	-	-	-	-	20.5
		6	2	1108	22	6.5	-	51	-	28.5
		8	1	-	48	-	-	-	12	36.0
		10	1	-	54	-	-	-	12	42.0
		12	1	-	61	-	-	-	12	49.0
6	71	4	3	1108	20.5	-	-	-	-	20.5
		6	2	1108	23	6.5	-	55	-	28.5
		8	2	1210	26	10	-	55	-	36.0
		10	3	1215	42	-	-	-	-	42.0
		12	2	1215	42	7	-	55	-	49.0
7	75	4	3	1108	20.5	-	-	-	-	20.5
		6	2	1210	26	2.5	-	59	-	28.5
		8	2	1210	26	10	-	59	-	36.0
		10	3	1215	42	-	-	-	-	42.0
		12	2	1215	42	7	-	59	-	49.0
8	80	4	7	1210	26	5.5	70	-	-	20.5
		6	2	1210	26	2.5	-	64	-	28.5
		8	2	1210	26	10	-	64	-	36.0
		10	3	1215	42	-	-	-	-	42.0
		12	2	1215	42	7	-	64	-	49.0
9	85	4	7	1210	26	5.5	70	-	-	20.5
		6	2	1210	26	2.5	-	69	-	28.5
		8	2	1210	26	10	-	69	-	36.0
		10	3	1215	42	-	-	-	-	42.0
		12	2	1215	42	7	-	69	-	49.0
10	90	4	7	1210	26	5.5	82	-	-	20.5
		6	2	1210	26	2.5	-	74	-	28.5
		8	2	1210	26	10	-	74	-	36.0
		10	3	1215	42	-	-	-	-	42.0
		12	2	1215	42	7	-	74	-	49.0
11	95	4	7	1610	26	55	90	-	-	20.5
		6	2	1610	26	2.5	-	79	-	28.5
		8	2	1610	26	10	-	79	-	36.0
		10	3	1615	42	-	-	-	-	42.0
		12	2	1615	42	7	-	79	-	49.0
12	100	4	7	1610	26	5.5	90	-	-	20.5
		6	2	1610	26	2.5	-	82	-	28.5
		8	2	1610	26	10	-	82	-	36.0
		10	3	1615	42	-	-	-	-	42.0
		12	2	1615	42	7	-	82	-	49.0

S.No	Da [mm]	Number of grooves	Type	BMI Taper bushing	L [mm]	z [mm]	M [mm]	U [mm]	W [mm]
13	106	4	7	1610	26	5.5	90	-	20.5
		6	2	1610	26	2.5	-	88	28.5
		8	2	1610	26	10	-	88	36.0
		10	3	1615	42	-	-	-	42.0
		12	2	1615	42	7	-	88	49.0
14	112	4	7	1610	26	5.5	90	-	20.5
		6	2	1610	26	2.5	-	94	28.5
		8	2	1610	26	10	-	94	36.0
		10	3	1615	42	-	-	-	42.0
		12	2	1615	42	7	-	94	49.0
15	118	4	7	1610	26	5.5	90	-	20.5
		6	7	2012	32	3.5	110	-	28.5
		8	2	2012	32	4	-	98	36.0
		10	2	2012	32	10	-	98	42.0
		12	2	2012	32	17	-	98	49.0
16	125	4	8	1610	26	5.5	90	109	20.5
		6	7	2012	32	3.5	110	-	28.5
		8	2	2012	32	4	-	105	36.0
		10	2	2012	32	10	-	105	42.0
		12	2	2517	45	4	-	105	49.0
17	132	4	8	1610	26	5.5	90	116	20.5
		6	7	2012	32	3.5	110	-	28.5
		8	2	2012	32	4	-	112	36.0
		10	2	2012	32	10	-	112	42.0
		12	2	2517	45	4	-	112	49.0
18	140	4	8	1610	26	5.5	90	124	20.5
		6	7	2517	45	16.5	120	-	28.5
		8	7	2517	45	9	120	-	36.0
		10	7	2517	45	3	120	-	42.0
		12	2	2517	45	4	-	124	49.0
19	150	4	8	1610	26	5.5	90	134	20.5
		6	7	2517	45	16.5	120	-	28.5
		8	7	2517	45	9	120	-	36.0
		10	7	2517	45	3	120	-	42.0
		12	2	2517	45	4	-	130	49.0
20	160	4	8	2012	32	11.5	110	144	20.5
		6	8	2517	45	16.5	120	140	28.5
		8	8	2517	45	9	120	140	36.0
		10	8	2517	45	3	120	140	42.0
		12	2	2517	45	4	-	140	49.0
21	170	4	8	2012	32	11.5	110	154	20.5
		6	8	2517	45	16.5	120	150	28.5
		8	8	2517	45	9	120	150	36.0
		10	7	2517	45	3	120	150	42.0
		12	2	2517	45	4	-	150	49.0
22	180	4	6	2012	32	5.75	110	164	20.5
		6	6	2517	45	8.25	120	160	28.5
		8	6	2517	45	4.5	120	160	36.0
		10	6	2517	45	1.5	120	160	42.0
		12	5	2517	45	2	120	160	49.0
23	190	4	6	2012	32	5.75	110	174	20.5
		6	6	2517	45	8.25	120	170	28.5
		8	6	2517	45	4.5	120	170	36.0
		10	6	2517	45	1.5	120	170	42.0
		12	5	2517	45	2	120	170	49.0
24	200	4	6	2012	32	5.75	110	184	20.5
		6	6	2517	45	8.25	120	180	28.5
		8	6	2517	45	4.5	120	180	36.0
		10	6	2517	45	1.5	120	180	42.0
		12	5	2517	45	2	120	180	49.0

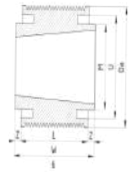
"PVB" Poly-V "K" PULLEY CATALOGUE

S.No	Da [mm]	Number of grooves	Type	BMI Taper bushing	L [mm]	z [mm]	M [mm]	U [mm]	W [mm]
25	212	4	6	2012	32	5.75	110	196	20.5
		6	6	2517	45	8.25	120	192	28.5
		8	6	2517	45	4.5	120	192	36.0
		10	6	2517	45	1.5	120	192	42.0
		12	5	2517	45	2	120	192	49.0
26	224	4	6	2012	32	5.75	110	208	20.5
		6	6	2517	45	8.25	120	204	28.5
		8	6	2517	45	4.5	120	204	36.0
		10	6	2517	45	1.5	120	204	42.0
		12	5	2517	45	2	120	204	49.0
27	236	4	6	2012	32	5.75	110	220	20.5
		6	6	2517	45	8.25	120	216	28.5
		8	6	2517	45	4.5	120	216	36.0
		10	6	2517	45	1.5	120	216	42.0
		12	5	2517	45	2	120	216	49.0
28	250	4	6	2012	32	5.75	110	234	20.5
		6	6	2517	45	8.25	120	230	28.5
		8	6	2517	45	4.5	120	230	36.0
		10	6	2517	45	1.5	120	230	42.0
		12	5	2517	45	2	120	230	49.0
29	280	4	9	2012	32	5.75	110	264	20.5
		6	9	2517	45	8.25	120	260	28.5
		8	9	2517	45	4.5	120	260	36.0
		10	9	3020	52	5	146	256	42.0
		12	9	3020	52	1.5	146	256	49.0
30	315	4	9	2012	32	5.75	110	299	20.5
		6	9	2517	45	8.25	120	295	28.5
		8	9	2517	45	4.5	120	295	36.0
		10	9	3020	52	5	146	285	42.0
		12	9	3020	52	1.5	146	285	49.0
31	355	4	9	2517	45	12.25	120	339	20.5
		6	9	2517	45	8.25	120	339	28.5
		8	9	3020	52	8	146	335	36.0
		10	9	3020	52	5	146	335	42.0
		12	9	3020	52	1.5	146	335	49.0
32	400	4	9	2517	45	2.25	120	380	20.5
		6	9	2517	45	8.25	120	380	28.5
		8	9	3020	52	8	146	370	36.0
		10	9	3020	52	5	146	370	42.0
		12	9	3020	52	1.5	146	370	49.0
33	450	4	9	2517	45	12.25	120	420	20.5
		6	9	2517	45	8.25	120	420	28.5
		8	9	3020	52	8	146	420	36.0
		10	9	3020	52	5	146	420	42.0
		12	9	3020	52	1.5	146	420	49.0
34	500	4	9	2517	45	12.25	120	470	20.5
		6	9	2517	45	8.25	120	470	28.5
		8	9	3020	52	8	146	470	36.0
		10	9	3020	52	5	146	470	42.0
		12	9	3020	52	1.5	146	470	49.0

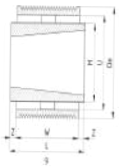
Type 5

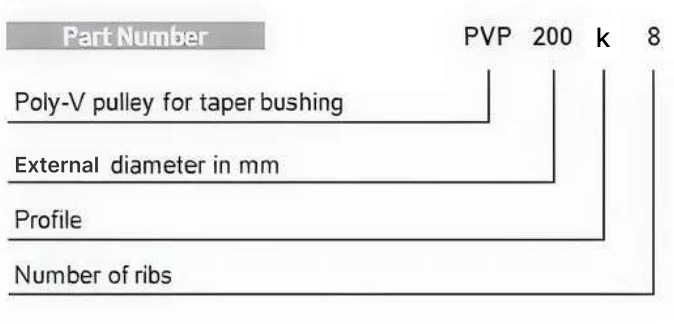


Type 6



Type 9





Compact, high-grip pulley for smooth, efficient power transmission. Durable, low-vibration design ideal for industrial and HVAC applications.

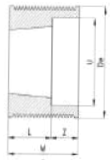
NOTES:

- Precision-engineered timing pulleys designed for synchronous belt drives ensure accurate motion transfer and extended service life.

“PVB” Poly-V “L” PULLEY CATALOGUE

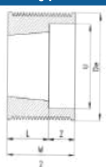
Dimensions of Poly-V pulleys – mounting taper bushing BMI Compact, high-grip pulley for smooth, efficient power transmission.

Type 2

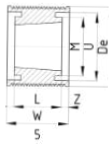


Type 4

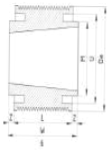
Type 2



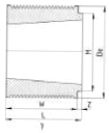
Type 5



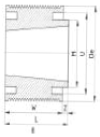
Type 6



Type 7



Type 8



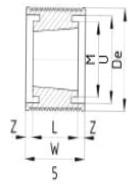
S.No	De [mm]	Number of grooves	Type	SER-SIT Taper bushing	L [mm]	z [mm]	U [mm]	W [mm]
1	75	6	2	1210	26	12.5	56	38.5
		8	2	1210	26	22	56	48.5
		10	2	1215	42	15	56	57.0
		12	2	1215	42	25	56	67.0
2	80	6	2	1210	26	12.5	56	38.5
		8	2	1210	26	22	56	48.0
		10	2	1215	42	15	56	57.0
		12	2	1215	42	25	56	67.0
3	85	6	2	1210	26	12.5	61	38.5
		8	2	1210	26	22	61	48.0
		10	2	1215	42	15	61	57.0
		12	2	1215	42	25	61	67.0
		16	4	1215	42	22	61	86.0
4	90	6	2	1210	26	12.5	66	38.5
		8	2	1210	26	22	66	48.0
		10	2	1215	42	15	66	57.0
		12	2	1215	42	25	66	67.0
		16	4	1215	42	22	66	86.0
5	95	6	2	1210	26	12.5	71	38.5
		8	2	1210	26	22	71	48.0
		10	2	1215	42	15	71	57.0
		12	2	1215	42	25	71	67.0
		16	4	1215	42	22	71	86.0
6	100	6	2	1610	26	12.5	76	38.5
		8	2	1610	26	22	76	48.0
		10	2	2012	32	25	79	57.0
		12	2	2012	32	35	79	67.0
		16	4	2012	32	27	79	86.0
7	106	6	2	1610	26	12.5	82	38.5
		8	2	1610	26	22	82	48.0
		10	2	2012	32	25	82	57.0
		12	2	2012	32	35	82	67.0
		16	4	2012	32	27	82	86.0
8	112	6	2	1610	26	12.5	88	38.5
		8	2	1610	26	22	88	48.0
		10	2	2012	32	25	88	57.0
		12	2	2012	32	35	88	67.0
		16	4	2012	32	27	88	86.0
9	118	6	2	2012	32	6.5	94	38.5
		8	2	2012	32	16	94	48.0
		10	4	2517	45	6	97	57.0
		12	4	2517	45	11	97	67.0
		16	4	2517	45	20.5	97	86.0
		20	4	2517	45	30	97	105.0
10	125	6	2	2012	32	6.5	101	38.5
		8	2	2012	32	16	101	48.0
		10	4	2517	45	6	101	57.0
		12	4	2517	45	11	101	67.0
		16	4	2517	45	20.5	101	86.0
		20	4	2517	45	30	101	105.0
11	132	6	2	2012	32	6.5	108	38.5
		8	2	2012	32	16	108	48.0
		10	4	2517	45	6	108	57.0
		12	4	2517	45	11	108	67.0
		16	4	2517	45	20.5	108	86.0
		20	4	2517	45	30	108	105.0

S.No	De [mm]	Number of grooves	Type	BMI Taper bushing	L [mm]	z [mm]	M [mm]	U [mm]	W [mm]
12	140	6	7	2517	45	6.5	120	-	38.5
		8	2	2517	45	3	-	116	48.0
		10	4	2517	45	6	-	116	57.0
		12	4	2517	45	11	-	116	67.0
		16	4	2517	45	20.5	-	116	86.0
		20	4	3020	52	26.5	-	116	105.0
13	150	6	7	2517	45	6.5	120	-	38.5
		8	2	2517	45	3	-	126	48.0
		10	4	2517	45	6	-	126	57.0
		12	4	2517	45	11	-	126	67.0
		16	4	2517	45	20.5	-	126	86.0
		20	4	3020	52	26.5	-	126	105.0
14	160	6	7	2517	45	6.5	120	-	38.5
		8	2	2517	45	3	-	136	48.0
		10	4	2517	45	6	-	136	57.0
		12	4	2517	45	11	-	136	67.0
		16	4	3020	52	17	-	136	86.0
		20	4	3020	52	26.5	-	136	105.0
15	170	6	8	2517	45	6.5	120	146	38.5
		8	2	2517	45	3	-	146	48.0
		10	4	2517	45	6	-	146	57.0
		12	4	2517	45	11	-	146	67.0
		16	4	3020	52	17	-	146	86.0
		20	4	3020	52	26.5	-	146	105.0
16	180	6	6	2517	45	3.25	120	156	38.5
		8	5	2517	45	1.5	120	156	48.0
		10	5	2517	45	6	120	156	57.0
		12	5	2517	45	11	120	156	67.0
		16	4	3020	52	17	-	156	86.0
		20	4	3020	52	26.5	-	156	105.0
17	190	6	6	2517	45	3.25	120	166	38.5
		8	5	2517	45	1.5	120	166	48.0
		10	5	2517	45	6	120	166	57.0
		12	5	2517	45	11	120	166	67.0
		16	4	3020	52	17	146	166	86.0
		20	4	3020	52	26.5	146	166	105.0
18	200	6	6	2517	45	3.25	120	176	38.5
		8	5	2517	45	1.5	120	176	48.0
		10	4	3020	52	2.5	146	176	57.0
		12	4	3020	52	7.5	146	176	67.0
		16	4	3020	52	17	146	176	86.0
		20	4	3535	89	8	-	176	105.0
19	212	6	6	2517	45	3.25	120	188	38.5
		8	5	2517	45	1.5	120	188	48.0
		10	4	3020	52	2.5	146	188	57.0
		12	4	3020	52	7.5	146	188	67.0
		16	4	3020	52	17	146	188	86.0
		20	4	3535	89	8	-	188	105.0
20	224	6	6	2517	45	3.25	120	202	38.5
		8	5	2517	45	1.5	120	202	48.0
		10	5	3020	52	2.5	146	202	57.0
		12	5	3020	52	7.5	146	202	67.0
		16	5	3020	52	17	146	202	86.0
		20	5	3535	89	8	178	202	105.0
21	236	6	6	2517	45	3.25	120	214	38.5
		8	5	2517	45	1.5	120	214	48.0
		10	5	3020	52	2.5	146	214	57.0
		12	5	3020	52	7.5	146	214	67.0
		16	5	3020	52	17	146	214	86.0
		20	5	3535	89	8	178	214	105.0

"PYB" Poly-V "L" PULLEY CATALOGUE

S.No.	Da [mm]	Number of grooves	Type	BMI Taper bushing	L [mm]	Z [mm]	M [mm]	U [mm]	W [mm]
22	250	6	9	2517	45	3.25	120	228	38.5
		8	5	2517	45	1.5	120	228	48.0
		10	5	3020	52	2.5	146	228	57.0
		12	5	3020	52	7.5	146	228	67.0
		16	5	3020	52	17	146	228	86.0
		20	5	3535	89	8	178	226	105.0
23	280	6	9	2517	45	3.25	120	256	38.5
		8	6	3020	52	2	146	256	48.0
		10	5	3020	52	2.5	146	256	57.0
		12	5	3020	52	7.5	146	256	67.0
		16	6	3535	89	1.5	178	256	86.0
		20	5	3535	89	8	178	256	105.0
24	315	6	9	2517	45	325	120	285	38.5
		8	9	3020	52	2	146	285	48.0
		10	6	3535	89	16	178	285	57.0
		12	6	3535	89	11	178	285	67.0
		16	6	3535	89	1.5	178	285	86.0
		20	5	4040	102	1.5	215	285	105.0
25	355	6	9	3020	52	6.75	146	325	38.5
		8	9	3020	52	2	146	325	48.0
		10	9	3535	89	16	178	325	57.0
		12	9	3535	89	11	178	325	67.0
		16	9	3535	89	1.5	178	325	86.0
		20	5	4040	102	1.5	215	325	105.0
26	400	6	9	3020	52	6.75	146	370	38.5
		8	9	3020	52	2	146	370	48.0
		10	9	3535	89	16	178	370	57.0
		12	9	3535	89	11	178	370	67.0
		16	9	3535	89	1.5	178	370	86.0
		20	10	4040	102	1.5	215	370	105.0
27	450	6	9	3020	52	6.75	146	420	38.5
		8	9	3020	52	2	146	420	48.0
		10	9	3535	89	16	178	420	57.0
		12	9	3535	89	11	178	420	67.0
		16	9	3535	89	1.5	178	420	86.0
		20	10	4040	102	1.5	215	420	105.0
28	500	6	9	3020	52	6.75	146	470	38.5
		8	9	3020	52	2	146	470	48.0
		10	9	3535	89	16	178	470	57.0
		12	9	3535	89	11	178	470	67.0
		16	9	3535	89	1.5	178	470	86.0
		20	9	5050	127	11	267	470	105.0
29	630	6	9	3020	52	6.75	146	600	38.5
		8	9	3020	52	2	146	600	48.0
		10	9	3535	89	16	178	600	57.0
		12	9	3535	89	11	178	600	67.0
		16	9	4040	102	8	215	600	86.0
		20	9	5050	127	11	267	600	105.0
30	800	6	9	3535	89	25.2	178	770	38.5
		8	9	3535	89	20.5	178	770	48.0
		10	9	4040	102	22.5	215	770	57.0
		12	9	4040	102	17.5	215	770	67.0
		16	9	5050	127	20.5	267	770	86.0
		20	9	5050	127	11	267	770	105.0

Type 7



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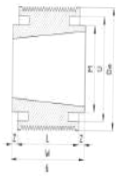

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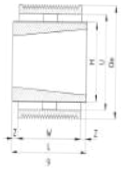

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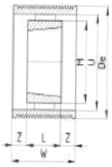
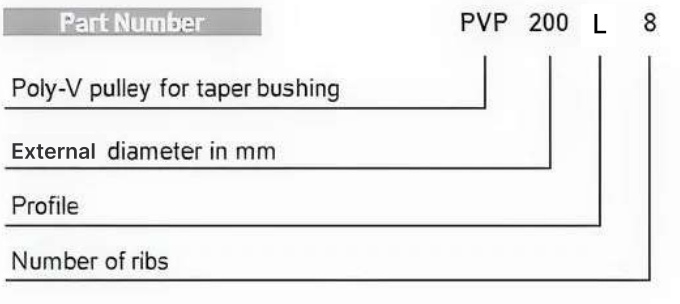




Compact, high-grip pulley for smooth, efficient power transmission. Durable, low-vibration design ideal for industrial and HVAC applications.

NOTES:

- Precision-engineered timing pulleys designed for synchronous belt drives ensure accurate motion transfer and extended service life.

04 SPROCKETS

Product Overview :

Durable sprockets manufactured from C45 high-grade steel with case-hardened teeth for enhanced wear resistance. Surface treated with ED coating to ensure rust protection and long service life. Available in simplex, duplex, and triplex types to suit diverse industrial requirements.

Accurate Chain Engagement

Precisely machined teeth ensure smooth chain operation and prevent slippage.

Durable Performance

C45 steel with hardened teeth increases sprocket & chain life in heavy-duty use.

Corrosion Resistant

ED-coated surface protects against rust and wear in harsh environments.

Efficient Power Transmission

Lightweight belt solutions operate smoothly and quietly, ideal for space-constrained and noise-sensitive setups.

INTRODUCTION

A sprocket is a profiled wheel with teeth designed to mesh with a chain, track, or perforated material. Unlike gears, sprockets engage indirectly and are commonly used to transmit rotary motion between parallel shafts.
Bestomech chain sprockets are manufactured to British (BS), American (ANSI), and ISO standards, ensuring high precision and consistent performance.

sprockets

Welcome to our Sprocket — your go-to reference for high-quality sprockets. This catalog covers chain sizes from 3/8″ to 1″, in simplex, duplex, triplex and plate-type formats.
All sprockets conform to international standards (DIN/ ISO/ANSI), with plain-bore and taper-lock options available.

INDEX

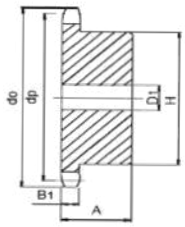
ISO/BS, 9.535mm(3/8") Pitch (MODEL: 06B-1.06B-2 & 06B-3)

S.NO	Z	do	Dp	SIMPLEX			DUPLEX			TRIPLEX		
				H	D1	A	H	D2	A	H	D3	A
1	8	28.0	24.89	15	8	20	15	8	22	15	8	32
2	9	31.0	27.85	18	8	20	18	8	22	18	8	32
3	10	34.0	30.82	20	8	20	20	8	22	20	10	32
4	11	37.0	33.80	22	8	25	22	10	25	22	10	35
5	12	40.0	36.80	25	8	25	25	10	25	25	10	35
6	13	43.0	39.79	28	10	25	28	10	25	28	10	35
7	14	46.3	42.80	31	10	25	31	10	25	31	12	35
8	15	49.3	45.81	34	10	25	34	10	25	34	12	35
9	16	52.3	48.82	37	10	28	37	12	30	37	12	35
10	17	55.3	51.83	40	10	28	40	12	30	40	12	35
11	18	58.3	54.85	43	10	28	43	12	30	43	12	35
12	19	61.3	57.87	45	10	28	46	12	30	46	12	35
13	20	64.3	60.89	46	10	28	49	12	30	49	12	35

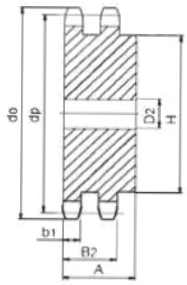
Tooth Width, B1 5.3
Tooth Width, b1 5.2
Tooth Width, B2 15.4
Tooth Width, B3 25.6

S.NO	Z	do	Dp	SIMPLEX			DUPLEX			TRIPLEX		
				H	D1	A	H	D2	A	H	D3	A
14	21	68.0	63.91	48	12	28	52	12	30	52	14	40
15	22	71.0	66.93	50	12	28	55	12	30	55	14	40
16	23	73.5	69.95	52	12	28	58	12	30	58	14	40
17	24	77.0	72.97	54	12	28	61	12	30	61	14	40
18	25	80.0	76.00	57	12	28	64	12	30	64	14	40
19	26	83.0	79.02	60	12	28	67	12	30	67	14	40
20	27	86.0	82.05	60	12	28	70	12	30	70	14	40
21	28	89.0	85.07	60	12	28	73	12	30	73	14	40
22	29	92.0	88.09	60	12	28	76	12	30	76	14	40
23	30	94.7	91.12	60	12	28	79	12	30	79	14	40
24	31	98.3	94.15	65	14	30	80	16	30	80	16	40
25	32	101.3	97.17	65	14	30	80	16	30	80	16	40
26	33	104.3	100.20	65	14	30	80	16	30	80	16	40
27	34	107.3	103.23	65	14	30	80	16	30	85	16	40
28	35	110.4	106.26	65	14	30	80	16	30	85	16	40
29	36	113.4	109.29	70	14	30	90	16	30	90	16	40
30	37	116.4	112.32	70	14	30	90	16	30	90	16	40
31	38	119.5	115.35	70	14	30	90	16	30	90	16	40
32	39	122.5	118.37	70	14	30	90	16	30	90	16	40
33	40	125.5	121.4	70	14	30	90	16	30	90	16	40
34	41	128.5	124.43	78	14	32	90	16	40	90	16	56
35	42	131.6	127.46	78	14	32	90	16	40	90	16	56
36	43	134.6	130.49	78	14	32	90	16	40	90	16	56
37	44	137.6	133.52	78	14	32	90	16	40	90	16	56
38	45	140.7	136.55	78	14	32	90	16	40	90	16	56
39	46	143.7	139.58	78	14	32	90	16	40	90	16	56
40	47	146.7	142.61	78	14	32	90	16	40	90	16	56
41	48	149.7	145.64	78	14	32	90	16	40	90	16	56
42	49	152.7	148.66	78	14	32	90	16	40	90	16	56
43	50	155.7	151.69	78	14	32	90	16	40	90	16	56
44	51	158.7	154.72	78	14	32	90	16	40	90	16	56
45	52	161.8	157.75	78	14	32	90	16	40	90	16	56
46	53	164.8	160.78	78	14	32	90	16	40	90	16	56
47	54	167.8	163.82	78	14	32	90	16	40	90	16	56
48	55	170.8	166.85	78	14	32	90	16	40	90	16	56
49	56	173.8	169.88	78	14	32	90	16	40	90	16	56
50	57	176.9	172.91	78	14	32	90	16	40	90	16	56
51	58	179.9	175.93	78	14	32	90	16	40	90	16	56
52	59	183.0	178.96	78	14	32	90	16	40	90	16	56
53	60	186.0	181.99	78	14	32	90	16	40	90	16	56
54	62	192.1	188.06	78	14	32	90	16	40	90	16	56
55	64	198.2	194.12	78	14	32	90	16	40	90	16	56
56	65	201.6	197.15	78*	14	32	90*	16	40	90*	16	56

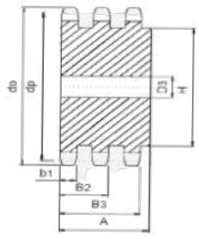
B1



B2



B3



S.NO	Z	do	Dp	SIMPLEX			DUPLEX			TRIPLEX		
				H	D1	A	H	D2	A	H	D3	A
57	66	204.6	200.18	78*	14	32	90*	16	40	90*	16	56
58	68	210.7	206.24	78*	14	32	90*	16	40	90*	16	56
59	70	216.7	212.30	78*	14	32	90*	16	40	90*	16	56
60	72	222.8	218.37	78*	14	32	90*	16	40	90*	16	56
61	75	231.9	227.46	78*	14	32	90*	16	40	90*	16	56
62	76	234.9	230.49	78*	14	32	90*	16	40	90*	16	56
63	78	241	236.55	78*	14	32	90*	16	40	90*	16	56
64	80	247.1	242.61	78*	14	32	90*	16	40	90*	16	56
65	85	262.2	257.77	80*	14	32	90*	16	40	90*	16	56
66	90	277.4	272.93	80*	14	32	90*	16	40	90*	16	56
67	95	292.5	288.08	80*	14	32	90*	16	40	90*	16	56
68	100	307.7	303.25	80*	14	32	90*	16	40	90*	16	56
69	110	338	333.55	80*	14	32	90*	16	40	90*	16	56
70	114	349.5	345.68	80*	14	32	90*	16	40	90*	16	56
71	120	368.3	363.86	80*	14	32	90*	16	40	90*	16	56
72	125	383.5	379.02	80*	14	32	90*	16	40	90*	16	56

Material : C 45. Case Hardened Teeth. Surface Treatment – ED Coating. *Welded Hub."

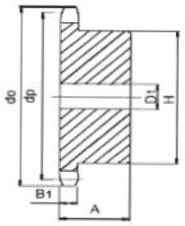
ISO/BS, 12.70mm (1/2") Pitch (MODEL: 08B-1, 08B-2 & 08B-3)

S.NO	Z	do	Dp	SIMPLEX			DUPLEX			TRIPLEX		
				H	D1	A	H	D2	A	H	D3	A
1	8	37.2	33.18	20	10	25	20	10	32	20	10	46
2	9	41.0	37.13	24	10	25	24	10	32	24	12	46
3	10	45.2	41.10	26	10	25	28	10	32	28	12	46
4	11	48.7	45.07	29	10	25	32	12	35	32	14	50
5	12	53.0	49.07	33	10	28	35	12	35	35	14	50
6	13	57.4	53.06	37	10	28	38	12	35	38	14	50
7	14	61.8	57.07	41	10	28	42	12	35	42	14	50
8	15	65.5	61.09	45	10	28	46	12	35	46	14	50
9	16	69.5	65.10	50	12	28	50	14	35	50	16	50
10	17	73.6	69.11	52	12	28	54	14	35	54	16	50
11	18	77.8	73.14	56	12	28	58	14	35	58	16	50
12	19	81.7	77.16	60	12	28	62	14	35	62	16	50
13	20	85.8	81.19	64	12	28	66	14	35	66	16	50
14	21	89.7	85.22	68	12	28	70	16	40	70	16	55
15	22	93.8	89.24	70	12	28	70	16	40	70	16	55
16	23	98.2	93.27	70	14	28	70	16	40	70	16	55

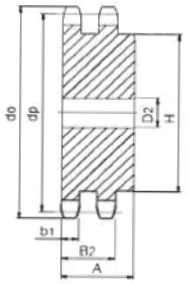
Tooth Width, B1	7.2
Tooth Width, b1	7
Tooth Width, B2	21
Tooth Width, B3	34.9

S.NO	Z	do	Dp	SIMPLEX			DUPLEX			TRIPLEX		
				H	D1	A	H	D2	A	H	D3	A
17	24	101.8	97.29	70	14	28	75	16	40	75	16	55
18	25	105.8	101.33	70	14	28	80	16	40	80	16	55
19	26	110.0	105.36	70	16	30	85	16	40	85	20	55
20	27	114.0	109.4	70	16	30	85	16	40	85	20	55
21	28	118.0	113.42	70	16	30	90	16	40	90	20	55
22	29	122.0	117.46	80	16	30	95	16	40	95	20	55
23	30	126.1	121.50	80	16	30	100	16	40	100	20	55
24	31	130.2	125.54	90	16	30	100	20	40	110	20	55
25	32	134.3	129.56	90	16	30	100	20	40	110	20	55
26	33	138.4	133.6	90	16	30	100	20	40	110	20	55
27	34	142.6	137.64	90	16	30	100	20	40	110	20	55
28	35	146.7	141.68	90	16	30	100	20	40	110	20	55
29	36	151.0	145.72	90	16	35	100	20	40	120	25	55
30	37	154.6	149.76	90	16	35	100	20	40	120	25	55
31	38	158.6	153.80	90	16	35	100	20	40	120	25	55
32	39	162.7	157.83	90	16	35	100	20	40	120	25	55
33	40	166.8	161.87	90	16	35	100	20	40	120	25	55
34	41	171.4	165.91	90*	16	40	108*	20	50	120*	25	60
35	42	175.4	169.94	90*	16	40	108*	20	50	120*	25	60
36	43	179.7	173.98	90*	16	40	108*	20	50	120*	25	60
37	44	183.8	178.02	90*	16	40	108*	20	50	120*	25	60
38	45	188.0	182.07	90*	16	40	108*	20	50	120*	25	60
39	46	192.1	186.10	90*	16	40	108*	20	50	120*	25	60
40	47	196.2	190.14	90*	16	40	108*	20	50	120*	25	60
41	48	200.3	194.18	90*	16	40	108*	20	50	120*	25	60
42	49	204.3	198.22	90*	16	40	108*	20	50	120*	25	60
43	50	208.3	202.26	90*	16	40	108*	20	50	120*	25	60
44	51	212.1	206.30	90*	16	40	108*	20	50	120*	25	60
45	52	216.1	210.34	90*	16	40	108*	20	50	120*	25	60
46	53	220.2	214.37	90*	16	40	108*	20	50	120*	25	60
47	54	224.1	218.43	90*	16	40	108*	20	50	120*	25	60
48	55	228.1	222.46	90*	16	40	108*	20	50	120*	25	60
49	56	232.2	226.50	90*	16	40	108*	20	50	120*	25	60
50	57	236.4	230.54	90*	16	40	108*	20	50	120*	25	60
51	58	240.5	234.58	90*	16	40	108*	20	50	120*	25	60
52	59	244.5	238.62	90*	16	40	108*	20	50	120*	25	60
53	60	248.6	242.66	90*	16	40	108*	20	50	120*	25	60
54	62	256.9	250.74	90*	16	40	108*	20	50	120*	25	60
55	64	265.1	258.82	90*	16	40	108*	20	50	120*	25	60
56	65	269.0	262.86	90*	16	40	108*	20	50	120*	25	60
57	66	273.0	266.91	90*	16	40	108*	20	50	120*	25	60
58	68	281.0	274.99	90*	16	40	108*	20	55	120*	25	60
59	70	289.0	283.07	90*	16	40	108*	20	55	120*	25	60

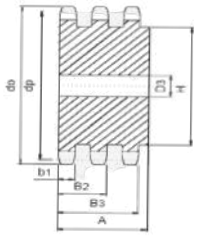
B1



B2



B3



S.NO	Z	do	Dp	SIMPLEX			DUPLEX			TRIPLEX		
				H	D1	A	H	D2	A	H	D3	A
60	72	297.2	291.15	90*	16	40	108*	20	55	120*	25	60
61	75	309.2	303.28	90*	16	40	108*	20	55	120*	25	60
62	76	313.3	307.32	90*	16	40	108*	20	55	120*	25	60
63	78	321.4	315.40	90*	16	40	108*	20	55	120*	25	60
64	80	329.4	323.49	90*	16	40	108*	20	55	120*	25	60
65	85	349	343.69	90*	16	40	110*	20	55	120*	25	60
66	90	369.9	363.90	90*	16	40	110*	20	55	120*	25	60
67	95	390.1	384.11	90*	16	40	110*	20	55	120*	25	60
68	100	410.3	404.32	90*	16	40	110*	20	55	120*	25	60
69	110	450.7	444.74	90*	16	40	110*	20	55	120*	25	60
70	114	466.9	460.91	90*	16	40	110*	20	55	120*	25	60
71	120	491.2	485.16	90*	16	40	110*	20	55	120*	25	60
72	125	511.3	505.37	90*	16	40	110*	20	55	120*	25	60

Material : C 45. Case Hardened Teeth. Surface treatment – ED coating. * Welded Hub."

ISO/BS, 15.875mm (5/8") Pitch (MODEL: 10B-1, 10B-2 & 10B-3)

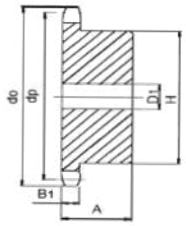
S.NO	Z	do	Dp	SIMPLEX			DUPLEX			TRIPLEX		
				H	D1	A	H	D2	A	H	D3	A
1	8	47.0	41.48	25	10	25	25	12	40	25	12	55
2	9	52.6	46.42	30	10	25	30	12	40	30	12	55
3	10	57.5	51.37	35	10	25	35	12	40	35	16	55
4	11	63.0	56.34	37	12	30	39	14	40	39	16	55
5	12	68.0	61.34	42	12	30	44	14	40	44	16	55
6	13	73.0	66.32	47	12	30	49	14	40	49	16	55
7	14	78.0	71.34	52	12	30	54	14	40	54	16	55
8	15	83.0	76.36	57	12	30	59	14	40	59	16	55
9	16	88.0	81.37	60	12	30	64	16	45	64	16	60
10	17	93.0	86.39	60	12	30	69	16	45	69	16	60
11	18	98.3	91.42	70	14	30	74	16	45	74	16	60
12	19	103.3	96.45	70	14	30	79	16	45	79	16	60
13	20	108.4	101.49	75	14	30	84	16	45	84	16	60
14	21	113.4	106.52	75	16	30	85	16	45	85	20	60
15	22	118.0	111.55	80	16	30	90	16	45	90	20	60
16	23	123.5	116.58	80	16	30	95	16	45	95	20	60
17	24	128.3	121.62	80	16	30	100	16	45	100	20	60
18	25	134.0	126.66	80	16	30	105	16	45	105	20	60
19	26	139.0	131.70	85	20	35	110	20	45	110	20	60
20	27	144.0	136.75	85	20	35	110	20	45	110	20	60

C45 Steel With Case-Hardened Teeth For Strength And Durability

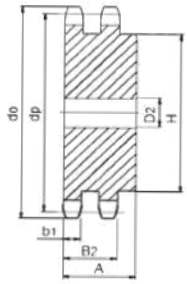
Tooth Width, B1 9.1
Tooth Width, b1 9
Tooth Width, B2 25.5
Tooth Width, B3 42.1

S.NO	Z	do	Dp	SIMPLEX			DUPLEX			TRIPLEX		
				H	D1	A	H	D2	A	H	D3	A
21	28	148.7	141.78	90	20	35	115	20	45	115	20	60
22	29	153.8	146.83	90	20	35	115	20	45	115	20	60
23	30	158.8	151.87	90	20	35	120	20	45	120	20	60
24	31	163.9	156.92	95	20	35	120	20	45	120	20	60
25	32	168.9	161.95	95	20	35	120	20	45	120	20	60
26	33	174.5	167,00	95	20	35	120	20	45	120	20	60
27	34	179.0	172.05	95	20	35	120	20	45	120	20	60
28	35	184.1	177.10	95	20	35	120	20	45	120	20	60
29	36	189.1	182.15	100	20	35	120	20	45	120	25	60
30	37	194.2	187.20	100	20	35	120	20	45	120	25	60
31	38	199.2	192.24	100	20	35	120	20	45	120	25	60
32	39	204.2	197.29	100	20	35	120	20	45	120	25	60
33	40	209.3	202.34	100	20	35	120	20	45	120	25	60
34	41	214.8	207.38	100*	20	40	120*	20	50	130*	25	60
35	42	219.9	212.43	100*	20	40	120*	20	50	130*	25	60
36	43	224.9	217.48	100*	20	40	120*	20	50	130*	25	60
37	44	230.0	222.53	100*	20	40	120*	20	50	130*	25	60
38	45	235.0	227.58	100*	20	40	120*	20	50	130*	25	60
39	46	240.1	232.63	100*	20	40	120*	20	50	130*	25	60
40	47	245.1	237.68	100*	20	40	120*	20	50	130*	25	60
41	48	250.2	242.73	100*	20	40	120*	20	50	130*	25	60
42	49	255.2	247.78	100*	20	40	120*	20	50	130*	25	60
43	50	260.3	252.82	100*	20	40	120*	20	50	130*	25	60
44	51	265.3	257.87	100*	20	40	120*	20	50	130*	25	60
45	52	270.4	262.92	100*	20	40	120*	20	50	130*	25	60
46	53	275.4	267.97	100*	20	40	120*	20	50	130*	25	60
47	54	280.5	273.03	100*	20	40	120*	20	50	130*	25	60
48	55	285.5	278.08	100*	20	40	120*	20	50	130*	25	60
49	56	290.6	283.13	100*	20	40	120*	20	50	130*	25	60
50	57	296.0	288.18	100*	20	40	120*	20	50	130*	25	60
51	58	300.7	293.23	100*	20	43	120*	20	57	130*	25	64
52	59	305.7	298.28	100*	20	43	120*	20	57	130*	25	64
53	60	310.8	303.33	100*	20	43	120*	20	57	130*	25	64
54	62	321.4	313.43	100*	20	43	120*	20	57	130*	25	64
55	64	331.5	323.53	100*	20	43	120*	20	57	130*	25	67
56	65	336.5	328.58	100*	20	43	120*	20	57	130*	25	67
57	66	341.6	333.64	100*	20	43	120*	20	57	130*	25	67
58	68	351.7	343.74	100*	20	43	120*	20	57	130*	25	67
59	70	361.8	353.84	100*	20	43	120*	20	57	130*	25	67
60	72	371.9	363.94	100*	20	43	120*	20	57	130*	25	67
61	75	387.1	379.10	100*	20	43	120*	20	57	130*	25	67
62	76	392.1	384.15	100*	20	43	120*	20	57	130*	25	67
63	78	402.2	394.25	100*	20	43	130*	20	57	130*	25	67

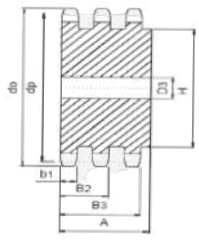
B1



B2



B3



S.NO	Z	do	Dp	SIMPLEX			DUPLEX			TRIPLEX		
				H	D1	A	H	D2	A	H	D3	A
64	80	412.3	404.36	100*	20	43	130*	20	57	130*	25	67
65	85	437.6	429.62	100*	20	50	130*	20	58	130*	25	67
66	90	462.8	454.88	100*	20	50	130*	20	58	130*	25	67
67	95	488.5	480.14	100*	20	50	130*	20	58	130*	25	67
68	100	513.4	505.40	100*	20	50	130*	20	58	130*	25	67
69	110	563.9	555.92	100*	20	50	130*	20	58	130*	25	67
70	114	584.1	576.13	100*	20	50	130*	20	58	130*	25	67
71	120	614.4	606.45	100*	20	50	130*	20	58	130*	25	67
72	125	639.7	631.51	100*	20	50	130*	20	58	130*	25	67

Material : C 45, Case Hardened Teeth. Surface treatment – ED coating.
*Welded Hub

ISO/BS, 19.05mm(3/4") Pitch (MODEL: 12B-1, 12B-2 & 12B-3)

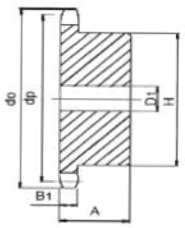
S.NO	Z	do	Dp	SIMPLEX			DUPLEX			TRIPLEX		
				H	D1	A	H	D2	A	H	D3	A
1	8	57.6	49.78	31	12	30	31	12	45	31	16	65
2	9	62.0	55.70	37	12	30	31	12	45	37	16	65
3	10	69.0	61.64	42	12	30	42	12	45	42	16	65
4	11	75.0	67.61	46	14	35	47	16	50	47	20	70
5	12	81.5	73.61	52	14	35	53	16	50	53	20	70
6	13	87.5	79.59	58	14	35	59	16	50	59	20	70
7	14	93.6	85.61	64	14	35	65	16	50	65	20	70
8	15	99.8	91.63	70	14	35	71	16	50	71	20	70
9	16	105.5	97.65	75	16	35	77	20	50	77	20	70
10	17	111.5	103.67	80	16	35	83	20	50	83	20	70
11	18	118.0	109.71	80	16	35	89	20	50	89	20	70
12	19	124.2	115.75	80	16	35	95	20	50	95	20	70
13	20	129.7	121.78	80	16	35	100	20	50	100	20	70
14	21	136.0	127.82	90	20	40	100	20	50	106	20	70
15	22	141.8	133.86	90	20	40	100	20	50	100	20	70
16	23	149.0	139.90	90	20	40	110	20	50	110	20	70
17	24	153.9	145.94	90	20	40	110	20	50	110	20	70
18	25	160.0	152.00	90	20	40	120	20	50	120	20	70
19	26	165.9	158.04	95	20	40	120	20	50	120	20	70
20	27	172.3	164.09	95	20	40	120	20	50	120	20	70
21	28	178.0	170.13	95	20	40	120	20	50	120	20	70
22	29	184.1	176.19	95	20	40	120	20	50	120	20	70

Manufactured from high-grade C45 steel with case-hardened teeth for superior wear resistance. ED-coated and welded hub design ensures long-lasting performance in heavy-duty operations."

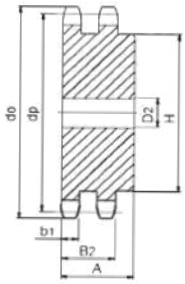
Tooth Width, B1	11.1
Tooth Width, b1	10.8
Tooth Width, B2	30.3
Tooth Width, B3	49.8

S.NO	Z	do	Dp	SIMPLEX			DUPLEX			TRIPLEX		
				H	D1	A	H	D2	A	H	D3	A
23	30	190.5	182.25	95	20	40	120	20	50	120	20	70
24	31	196.3	188.31	95	20	40	120	25	50	130	25	70
25	32	203.3	194.35	95	20	40	120	20	50	130	25	70
26	33	209.3	200.4	95	20	40	120	20	50	130	25	70
27	34	214.6	206.46	95	20	40	120	20	50	130	25	70
28	35	221.0	212.52	95	20	40	120	20	50	130	25	70
29	36	226.5	218.58	100	20	56	120	25	50	130	25	70
30	37	232.8	224.64	100	20	56	120	25	50	130	25	70
31	38	239.0	230.69	100	20	40	120	25	50	130	25	70
32	39	245.1	236.75	100	20	40	120	25	50	130	25	70
33	40	251.3	242.81	100	20	40	120	25	50	130	25	70
34	41	257.3	248.86	110*	20	56	136*	25	62	140*	25	70
35	42	264.5	254.92	110*	20	56	136*	25	62	140*	25	70
36	43	270.5	260.98	110*	20	56	136*	25	62	140*	25	70
37	44	276.5	267.03	110*	20	56	136*	25	62	140*	25	70
38	45	282.5	273.09	110*	20	56	136*	25	62	140*	25	70
39	46	287.9	279.15	110*	20	56	136*	25	62	140*	25	70
40	47	294.0	285.21	110*	20	56	136*	25	62	140*	25	70
41	48	300.1	291.27	110*	20	56	136*	25	62	140*	25	70
42	49	306.2	297.33	110*	20	56	136*	25	62	140*	25	70
43	50	312.3	303.39	110*	20	56	136*	25	62	140*	25	70
44	51	318.4	309.45	110*	20	56	136*	25	62	140*	25	70
45	52	324.5	315.51	110*	20	56	136*	25	62	140*	25	70
46	53	330.5	321.57	110*	20	56	136*	25	62	140*	25	70
47	54	336.5	327.63	110*	20	56	136*	25	62	140*	25	70
48	55	342.7	333.69	110*	20	56	136*	25	62	140*	25	70
49	56	348.7	339.75	110*	20	56	136*	25	62	140*	25	70
50	57	355.4	345.81	110*	20	56	136*	25	62	140*	25	70
51	58	361.5	351.87	110*	20	56	136*	25	62	140*	25	70
52	59	367.5	357.93	110*	20	56	136*	25	62	140*	25	70
53	60	373.5	363.99	110*	20	56	136*	25	62	140*	25	70
54	62	385.1	376.12	110*	20	56	136*	25	62	140*	25	70
55	64	397.2	388.24	110*	20	56	140*	25	63	140*	25	70
56	65	403.2	394.30	110*	20	56	140*	25	63	140*	25	70
57	66	409.3	400.36	110*	20	56	140*	25	63	140*	25	70
58	68	421.4	412.49	110*	20	56	140*	25	63	140*	25	70
59	70	433.6	424.61	110*	20	56	140*	25	63	140*	25	70
60	72	447.0	436.73	110*	20	56	140*	25	63	140*	25	70
61	75	463.9	454.92	110*	20	56	140*	25	63	140*	25	70
62	76	469.9	460.98	110*	20	56	140*	25	63	140*	25	70
63	78	482.1	473.1	110*	20	56	140*	25	63	140*	25	70

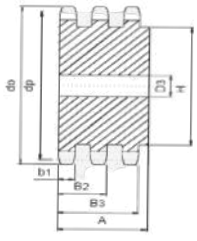
B1



B2



B3



S.NO	Z	do	Dp	SIMPLEX			DUPLEX			TRIPLEX		
				H	D1	A	H	D2	A	H	D3	A
64	80	494.2	485.23	110*	20	56	140*	25	63	140*	25	70
65	85	524.5	515.54	110*	20	56	140*	25	63	140*	25	70
66	90	554.8	545.85	110*	20	56	140*	25	63	140*	25	70
67	95	585.1	576.17	110*	20	56	140*	25	63	140*	25	70
68	100	615.4	606.48	110*	20	56	140*	25	63	140*	25	70
69	110	676.1	667.11	110*	20	56	140*	25	63	140*	25	70
70	114	700.6	691.56	110*	20	56	140*	25	63	140*	25	70
71	120	736.7	727.74	110*	20	56	140*	25	63	140*	25	70
72	125	767.0	758.06	110*	20	56	140*	25	63	140*	25	70

Material : C 45, Case Hardened Teeth. Surface Treatment – ED Coating.
* Welded Hub

ISO/BS, 25.4mm(1") Pitch (MODEL: 16B-1, 16B-2 & 16B-3)

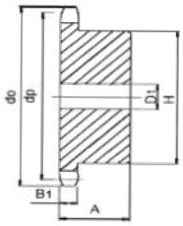
S.NO	Z	do	Dp	SIMPLEX			DUPLEX			TRIPLEX		
				H	D1	A	H	D2	A	H	D3	A
1	8	77.0	66.37	42	16	35	42	16	65	42	20	95
2	9	85.0	74.27	50	16	35	50	16	65	50	20	95
3	10	93.0	82.19	55	16	35	56	16	65	56	20	95
4	11	101.5	90.14	61	16	40	64	20	70	64	25	100
5	12	109.0	98.14	69	16	40	72	20	70	72	25	100
6	13	117.0	106.12	78	16	40	80	20	70	80	25	100
7	14	125.0	114.15	84	16	40	88	20	70	88	25	100
8	15	133.0	122.17	92	16	40	96	20	70	96	25	100
9	16	141.0	130.20	100	20	45	104	20	70	104	25	100
10	17	149.0	138.22	100	20	45	112	20	70	112	25	100
11	18	157.0	146.28	100	20	45	120	20	70	120	25	100
12	19	165.2	154.33	100	20	45	128	20	70	128	25	100
13	20	173.2	162.38	100	20	45	130	20	70	130*	25	100
14	21	181.2	170.43	110	20	50	130*	25	70	130	25	100
15	22	189.3	178.48	110	20	50	130*	25	70	130*	25	100
16	23	197.5	186.53	110	20	50	130*	25	70	130*	25	100
17	24	205.5	194.59	110	20	50	130*	25	70	130*	25	100
18	25	213.5	202.66	110	20	50	130*	25	70	130*	25	100
19	26	221.6	210.72	120	20	50	130*	25	70	130*	30	100
20	27	229.6	218.79	120	20	50	130*	25	70	130*	30	100
21	28	237.7	226.85	120	20	50	130*	25	70	130*	30	100
22	29	245.8	234.92	120	20	50	130*	25	70	130*	30	100

Available In Simplex, Duplex, And Triplex Versions. Made From Durable C45 Steel With Case-Hardened Teeth For High Load Capacity.

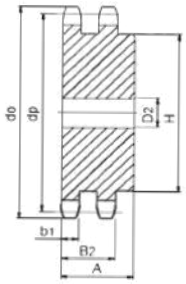
Tooth Width, B1 16.2
Tooth Width, b1 15.8
Tooth Width, B2 47.7
Tooth Width, B3 79.6

S.NO	Z	do	Dp	SIMPLEX			DUPLEX			TRIPLEX		
				H	D1	A	H	D2	A	H	D3	A
23	30	254.0	243.00	120	20	50	130*	25	70	130*	30	100
24	31	262.0	251.08	120*	25	50	140*	25	70	140*	30	100
25	32	270.0	259.13	120*	25	50	140*	25	70	140*	30	100
26	33	278.5	267.21	120*	25	50	140*	25	70	140*	30	100
27	34	287.0	275.28	120*	25	50	140*	25	70	140*	30	100
28	35	296.2	283.36	120*	25	50	140*	25	70	140*	30	100
29	36	304.6	291.44	120*	25	50	140*	25	70	140*	30	100
30	37	312.6	299.51	120*	25	50	140*	25	70	140*	30	100
31	38	320.7	307.59	120*	25	50	140*	25	70	140*	30	100
32	39	328.8	315.67	120*	25	50	140*	25	70	140*	30	100
33	40	336.9	323.75	120*	25	50	140*	25	70	140*	30	100
34	41	345.0	331.81	125*	25	68	140*	25	70	160*	30	100
35	42	353.0	339.89	125*	25	68	140*	25	70	160*	30	100
36	43	361.1	347.97	125*	25	68	140*	25	70	160*	30	100
37	44	369.1	356.05	125*	25	68	140*	25	70	160*	30	100
38	45	377.1	364.12	125*	25	68	140*	25	70	160*	30	100
39	46	385.2	372.20	125*	25	68	140*	25	70	160*	30	100
40	47	393.2	380.28	125*	25	68	140*	25	70	160*	30	100
41	48	401.3	388.36	125*	25	68	140*	25	70	160*	30	100
42	49	409.3	396.44	125*	25	68	140*	25	70	160*	30	100
43	50	417.4	404.52	125*	25	68	140*	25	70	160*	30	100
44	51	425.5	412.60	125*	25	68	150*	25	85	180*	30	110
45	52	433.6	420.68	125*	25	68	150*	25	85	180*	30	110
46	53	441.7	428.76	125*	25	68	150*	25	85	180*	30	110
47	54	448.3	436.84	125*	25	68	150*	25	85	180*	30	110
48	55	457.9	444.92	125*	25	68	150*	25	85	180*	30	110
49	56	466.0	453.01	125*	25	68	150*	25	85	180*	30	110
50	57	474.0	461.08	125*	25	68	150*	25	85	180*	30	110
51	58	482.1	469.16	133*	25	68	150*	25	85	180*	30	110
52	59	490.2	477.24	133*	25	68	150*	25	85	180*	30	110
53	60	498.3	485.33	133*	25	68	150*	25	85	180*	30	110
54	62	514.5	501.49	133*	25	68	150*	25	85	180*	30	110
55	64	530.7	517.65	140*	25	68	160*	25	90	180*	30	110
56	65	538.8	525.73	140*	25	68	160*	25	90	180*	30	110
57	66	546.8	533.80	140*	25	68	160*	25	90	180*	30	110
58	68	562.9	549.98	140*	25	68	160*	25	90	180*	30	110
59	70	579.2	566.15	140*	25	68	160*	25	90	180*	30	110
60	72	595.4	582.31	140*	25	68	160*	25	90	180*	30	110
61	75	619.7	606.56	140*	25	68	160*	25	90	180*	30	110
62	76	627.0	614.64	140*	25	68	160*	25	90	180*	30	110
63	78	643.3	630.81	140*	25	68	160*	25	90	180*	30	110
64	80	660.0	646.97	140*	25	68	160*	25	90	180*	30	110
65	85	699.9	687.39	140*	25	78	160*	25	90	180*	30	110

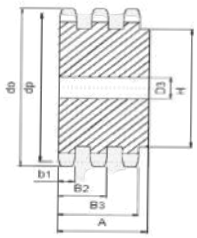
B1



B2

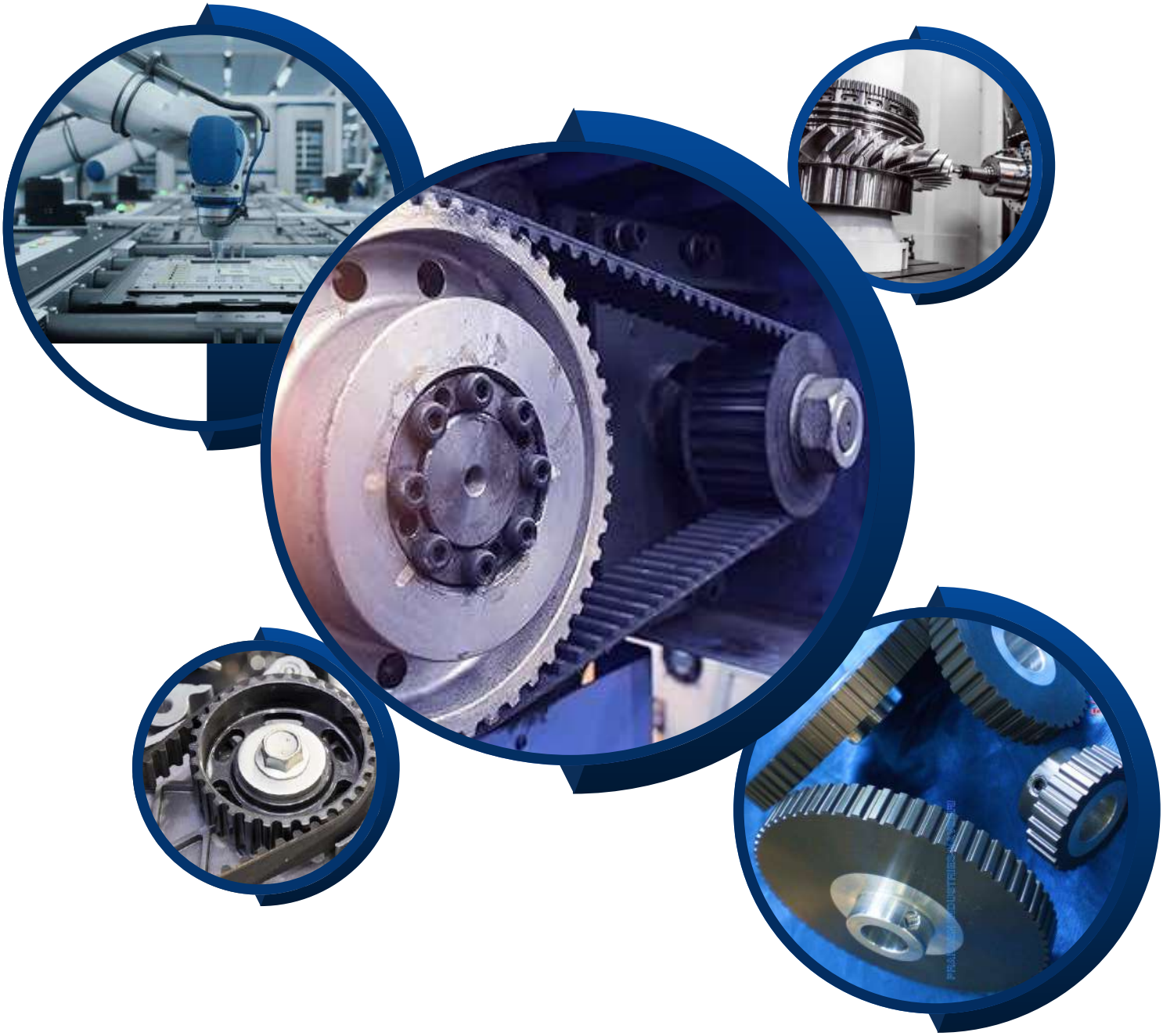


B3



S.NO	Z	do	Dp	SIMPLEX			DUPLEX			TRIPLEX		
				H	D1	A	H	D2	A	H	D3	A
66	90	740.3	727.8	140*	25	78	160*	25	90	180*	30	110
67	95	781.1	768.22	140*	25	78	160*	25	90	180*	30	110
68	100	821.1	808.64	140*	25	78	160*	25	90	180*	30	110
69	110	902.0	889.48	140*	25	78	160*	25	90	180*	30	110
70	114	934.3	921.81	140*	25	78	160*	25	90	180*	30	110
71	120	982.8	970.32	140*	25	78	160*	25	90	180*	30	110
72	125	1023.3	1010.73	140*	25	78	160*	25	90	180*	30	110

Material : C 45, Case Hardened Teeth. Surface treatment – ED coating. * Welded Hub



05

COUPLINGS (01-06)

Bestomech couplings are engineered for reliable, efficient, and durable power transmission across a wide range of industrial applications. Designed to handle misalignments, high torque, shock loads, and demanding environments, these couplings ensure smooth operation, minimal maintenance, and long service life.

Product Couplings

Tyre Coupling

Gear Coupling

Pin Bush Coupling

Roller Chain Flexible Coupling

Curved Jaw Coupling

Straight Jaw Coupling

COUPLINGS

01

TYRE COUPLING

MISALIGNMENT PERMISSIBLE

The Flexible capabilities of the Bestomech Flexible Tyre Coupling helps to accommodate angular, Parallel and axial misalignments.

Parallel Misalignment up to 6 mm, Angular Misalignment up to 4 deg, End float up to 8 mm, Suitable in ambient temp up to 70 deg C

CUSHIONING FOR SHOCK LOADS & VIBRATION

Bestomech Flexible Tyre Coupling being a torsionally soft coupling protects against vibration, impact loads and heavy shocks in the event of sudden load changes.

Key Features & Benefits:

- Vibration And Shock Absorption
- High Misalignment Tolerance
- Easy Assembly
- Temperature Suitability

EASE OF ASSEMBLY/DISASSEMBLY

- Alignment is possible by checking the straight edge across the outside diameters of the flanges.
- Installation or replacement of new tyre can be achieved without disturbing driver or driven shafts, simply by loosening the clamping screws, placing a new tyre in between the flanges and clamping rings and then tightening the clamping screws.

FLEXIBLE TYRE SPACER COUPLING

- BFTC is specifically designed for motor pump installations, where it is desirable not to disturb drive/driven equipment while servicing impellers, packing glands, etc
- The maintenance time-reduction feature is more valuable for pumps, compressors, and many other applications. Delivery can be arranged based on customer requirements
- The flexible tyre spacer coupling comprises a spacer assembly and a standard Bestomech Flexible Tyre Coupling. The spacer assembly includes a flanged shaft and a spacer adaptor taper-bored to suit a standard taper bush

Power In Kw

Speed RPM	SIZE [F/H & B]																
	BMF 40	BM F 45	BM F 50	BMF 60	BM F 70	BMF 80	BM F 85	BMF 90	BMF 100	BMF 110	BMF 120	BMF 140	BMF 160	BMF 180	BMF 200	BMF 220	BMF 250
100	0.25	0.45	0.69	1.33	2.62	3.93	3.6	5.24	7.07	9.16	13.9	24.3	39.5	65.7	97.6	121	154
750	1.87	3	5.17	9.97	19.65	29.47	23.5	39.3	53.02	68.7	104.25	182.25	296.25	492.75	732	907.5	1155
1000	2.5	4.3	6.9	13.3	26.2	39.3	32.5	62.4	70.7	91.6	139	243	395	657	976	1215	1537
1500	3.75	5.9	10.35	19.95	39.3	58.95	46.7	78.6	106.05	137.4	208.5	364.5	592.5**	986.5**			
1800	4.5	7.32	12.42	23.94	47.16	70.74	58	94.32	127.26	164.88	250.2	437.4**					
3000	7.5	12.1	20.7	39.9	78.6	117.90 **	92.6**	157.20**									
3600	9	14.5	24.84	47.98	94.32												

Notes:-

* All these power ratings are calculated at constant torque

* For speeds less than 100 RPM and intermediate speeds use normal torque ratings

** Dynamic balancing preferred at these speeds

Poles	2	4	6	8
RPM	3000	1500	1000	750

Technical Data

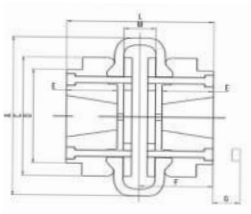
Size	BMF 40	BMF 45	BMF 50	BMF 60	BMF 70	BMF 80	BMF 85	BMF 90	BMF 100	BMF 110	BMF 120	BMF 140	BMF 160	BMF 180	BMF 200	BMF 220	BMF 250
Max Speed RPM	4500	4500	4500	4000	3600	3100	3000	3000	2600	2300	2050	1800	1600	1500	1300	1100	1000
Torsional Stiffness Nm/Deg	5	9	13	26	41	63	76	91	126	178	296	470	778	1371	1959	2760	3562
Parallel Misalignment Mm	1.1	1.15	1.3	1.6	1.9	2.1	2.2	2.4	2.6	2.9	3.2	3.7	4.2	4.8	5.3	5.8	6.6
End float mm +/-	1.3	1.45	1.7	2	2.3	2.6	2.8	3	3.3	3.7	4	4.6	5.3	6	6.6	7.3	8.2
Normal Torque Nm	24	42	66	127	250	375	325	500	675	875	1330	2325	3730	6270	9325	11600	14675
Max Torque Nm	64	126	160	318	487	759	975	1096	1517	2137	3547	5642	9339	16455	23508	33125	42740

Torque details for Bolt Fastening

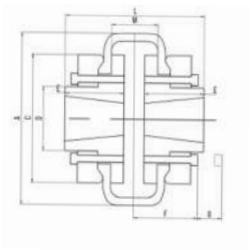
Size	BMF 40	BMF 45	BMF 50	BMF 60	BMF 70	BMF 80	BMF 85	BMF 90	BMF 100	BMF 110	BMF 120	BMF 140	BMF 160	BMF 180	BMF 200	BMF 220	BMF 250
M** As In Table B	23	23	28	36	42	47	48	50	58	50	55	26	16	30	48	56	60
Clamping Screw Torque In Nm	15	15	15	15	24	24	32	32	32	32	35	35	35	35	35	35	35

H - Taper Bore type

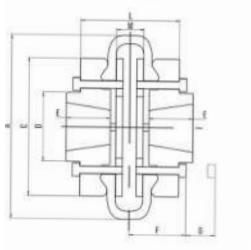
BMF 50 & 60 H TYPE



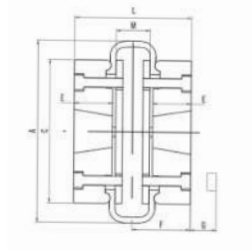
BMF 70-120 H TYPE



BMF 140-220 H TYPE

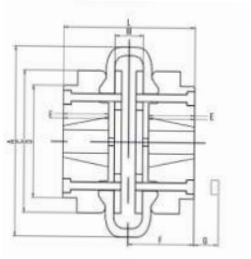


BMFF40 & F45 H TYPE

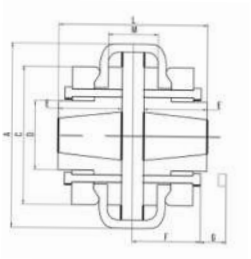


F-Taper Bore type

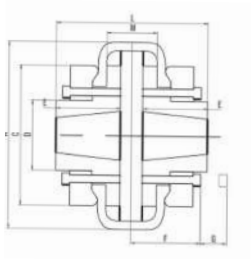
BMF 50 & 60 F TYPE



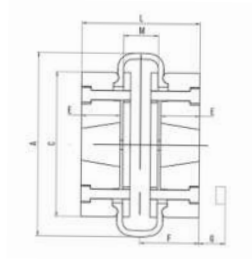
BMF 70-120 F TYPE



BMF 140-220 F TYPE



BMFF40 & F45 F TYPE

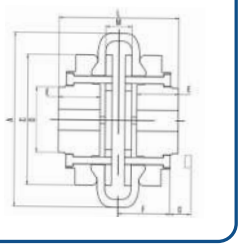


Service Factors

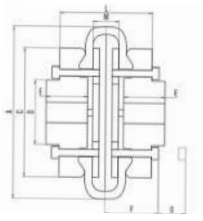
Special Cases	Type of driving unit					
For Applications Where Substantial Shock, Vibration, Fluctuations Occur And For Reciprocating Machines E.G Internal Combustion Engines, Piston Pumps And Compressors, Refer To Bestomech Industries With All Machine Details For Torsion Analysis	Electric Motors Steam turbines			Internal Combustion Engines steam engines water turbines		
Type of driven Machine	**Operational hours per day**					
	10 and under	Over 10 to 16 inclusive	Over 16	10 and under	Over 10 to 16 inclusive	Over 16
CLASS 1 Agitators, Brewing Machinery, Centrifugal Compressors And Pumps, Belt Conveyors, Dynamometers, Line Shafts, Fans Up To 7.5 Kw, Blowers And Exhausters (Except Positive Displacement), Generators	0.8	0.9	1	1.3	1.4	1.5
CLASS 2 Clay working machinery, General machine tools, paper mill beaters and winders, Rotary pumps, Rubber extruders, Rotary screens, textile machinery, Marine propellers, and fans over 7.5 KW	1.3	1.4	1.5	1.8	1.9	2
CLASS 3 Bucket elevators, Cooling tower fans, Piston compressors and pumps, foundry machinery, Metal presses, Paper mill calendars, Pulverizer and positive displacement blowers	1.6	1.9	2	2.3	2.4	2.5
CLASS 4 Reciprocating conveyors, Gyratory crushers, Mills (Ball, pebble and rod),Rubber Machinery (Banbury Mixers and mills) and vibratory screens	2.3	2.4	2.5	2.8	2.9	3

Bore Type

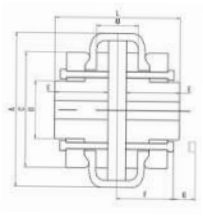
BMF 60 BORE TYPE



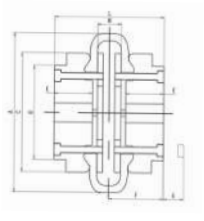
BMF 70-120 BORE TYPE



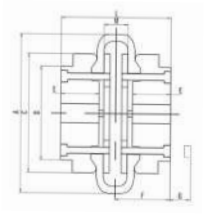
BMF 140-250 BORE TYPE



BMF 40 & F45 BORE TYPE



BMF 50 BORE TYPE



Dimensions of Flexible Tyre element Hub types B, F & H

S.No	Size	TYPE F&H								TYPE B								A	C	# G	** M	No Of Screws Per Flange
		Bush No	Max Bore	L	D	E	F	J**	*Approx Weight In Kg	Max Bore	Min Bore	L	D	E	F	Set screw on Key	*Approx Weight In Kg					
01	BMF-40	1108	25	67	*	22	33.5	29	1.4	30	11	67	*	22	33.5	M5	2	104	82	43	23	4
02	BMF-45	1108	28	67	*	22	33.5	29	3	32	11	73	*	25	36.5	M5	2.2	120	94	43	23	4
03	BMF-50	1210	32	78	79	25	39	38	3.1	38	16	92	79	32	46	M5	4	133.5	100	43	28	4
04	BMF-60	1610	42	89	103	25	43	38	5.2	48	16	112	73	38	43	M6	5	165	125	43	36	5
05	BMF-70	1610	42	92	76	25	50.5	38	7.4	55	19	132	82	45	50.5	M6	8	197	144	10	42	5
06	BMF-80	2012	50	111	95	32	53	47	9.2	65	25.4	149	95	51	53	M10	12	211	167	10	47	6
07	BMF-85	2012	50	112	103	32	53.5	47	12.5	70	31.75	154	103	53	53.5	M12	14	222	179	13	48	6
08	BMF-90	2517	60	140	110	45	59.5	50	15	76	31.75	164	110	57	59.5	M12	15	235	188	13	50	6
09	BMF-100	2517	60	148	124	45	61.5	50	20	85	31.75	178	124	60	61.5	M12	21	254	216	13	58	6
10	BMF-110	2517	60	140	134	45	63.5	50	26.5	90	31.75	180	134	65	63.5	M12	28	279	233	14	50	6
11	BMF-120	3020	75	157	152	51	70	68	35.5	102	38.1	207	152	76	70	M12	41	314	264	14	55	6
12	BMF-140	3535	90	204	194.5	89	76	89	67.2	120	75	204	195	89	76	M20	61	359	313	14	26	8
13	BMF-160	4040	100	220	216	102	78	110	91	140	75	220	216	102	78	M20	86+	402	345	19	16	8
14	BMF-180	4545	110	258	266	114	94	126	146	150	75	258	266	114	94	M20	141	470	398	19	30	10
15	BMF-200	4545	110	278	266	114	103	126	182	150	75	276	266	114	103	M20	173	508	429	19	48	12
16	BMF-220	5050	125	312	267	127	118	140	320	160	90	312	267	127	118	M20	312	562	474	20	56	12
17	BMF-250	*	*	*	*	*	*	*	*	190	100	360	290	150	125	M20	500	628	532	25	60	12

Notes:-

Dimensions are in **mm**

- * Weights are given for min. bore complete coupling
- M** M is the distance between flanges
- G# G is the amount by which clamping screws need to be withdrawn to release tyre
- J** J is the wrench clearance to allow for tightening and loosening the bush on the shaft.The use of shortened will allow this dimension to be reduced"

Power Rating (KW)

S.NO	COUPLING SIZE																	
	Speed [Rev/ min]	BMF 40	BMF 45	BMF 50	BMF 60	BMF 70	BMF 80	BMF 85	BMF 90	BMF 100	BMF 110	BMF 120	BMF 140	BMF 160	BMF 180	BMF 200	BMF 220	BMF 250
01	100	0.22	0.39	0.56	1.11	1.70	2.65	3.2	3.82	5.29	7.46	12.4	19.7	32.6	57.4	84	104	132
02	200	0.44	0.78	1.11	2.22	3.39	5.30	6.4	7.64	10.00	14.90	24.8	39.4	65.2	115	168	209	264
03	300	0.66	1.17	1.67	3.33	5.09	7.95	9.6	11.50	15.90	22.40	37.1	59.1	97.8	172	252	313	396
04	400	0.88	1.56	2.22	4.44	6.79	10.60	12.8	15.30	21.20	29.80	49.5	78.8	130	230	336	418	529
05	500	1.10	1.95	2.78	5.55	8.48	13.20	16.0	19.10	26.40	37.30	61.9	98.5	163	287	420	522	660
06	600	1.32	2.34	3.33	6.66	10.20	15.90	19.2	22.90	31.70	44.70	74.3	118	196	345	504	627	793
07	700	1.54	2.73	3.89	7.77	11.90	18.50	22.4	26.80	37.00	52.20	86.6	138	228	402	588	731	925
08	720	1.58	2.80	4.00	7.99	12.20	19.10	23.0	27.50	38.10	53.70	89.1	142	235	414	605	753	951
09	800	1.76	3.12	4.44	8.88	13.60	21.20	25.6	30.60	42.30	59.60	99.0	158	261	459	672	836	1057
10	900	1.98	3.00	5.00	9.99	15.30	23.80	28.8	34.40	47.60	67.10	111.0	177	293	517	756	940	1198
11	960	2.11	3.74	5.33	10.70	16.30	25.40	30.7	36.70	50.80	71.60	119.0	189	313	551	806	1003	1269
12	1000	2.20	3.90	5.55	11.10	17.00	26.50	32.0	38.20	52.90	74.60	124.0	197	326	574	840	1045	1322
13	1200	2.64	4.68	6.66	13.30	20.40	31.80	38.4	45.90	63.50	89.50	149.0	236	391	689	1008		
14	1400	3.08	5.46	7.77	15.50	23.80	37.10	44.8	53.50	74.00	104.00	173.0	276	456	804			
15	1440	3.17	5.61	7.99	16.00	24.40	38.10	46.0	55.00	76.10	107.00	178.0	284	469	827			
16	1600	3.35	6.24	8.88	17.80	27.10	42.40	51.2	61.20	84.60	119.00	198.0	315	522				
17	1800	3.96	7.02	9.99	20.00	30.50	47.70	57.6	68.80	95.20	134.00	223.0	355					
18	2000	4.40	7.80	11.10	22.20	33.90	53.00	64.0	76.40	106.00	149.00	248.0						
19	2200	4.84	8.58	12.20	24.40	37.30	58.30	70.4	84.10	116.00	164.00							
20	2400	5.08	9.36	13.30	26.60	40.70	63.60	76.8	91.70	127.00								
21	2600	5.72	10.14	14.40	28.90	44.10	68.90	83.2	99.40	137.00								
22	2800	6.16	10.92	15.50	31.10	47.50	74.20	89.6	107.00									
23	2880	6.33	11.23	16.00	32.00	48.90	76.30	92.1	110.00									
24	3000	6.60	11.70	16.70	33.30	50.90	79.50	96.0										
25	3500	7.70	13.65	19.40	38.90	59.40												
26	3600	7.92	14.04	20.00	40.00													

For speeds below 100 rev/min and intermediate speeds, use normal torque ratings.

Physical Characteristics

S.NO	Size	Max. Speed [Rev/Min]	Torque [Nm]		Moment of Inertia MR² [Kgm²]	Torsional Stiffness [Nmr]	Maximum Misalignment [mm]	
			Mominal	Max			Parallel	End Flat+
01	BMF 40	4500	21	64	0.00148	5	1.1	1.3
02	BMF 45	4500	37	110	0.0025	9	1.2	1.5
03	BMF 50	4500	53	160	0.00349	13	1.3	1.7
04	BMF 60	4000	106	318	0.0103	26	1.6	2
05	BMF 70	3600	162	487	0.01811	41	1.9	2.3
06	BMF 80	3100	253	759	0.03679	63	2.1	2.6
07	BMF 85	3000	305	915	0.05015	76	2.2	2.8
08	BMF 90	2880	365	1096	0.06374	91	2.4	3
09	BMF 100	2600	505	1517	0.11989	126	2.6	3.3
10	BMF 110	2300	712	2137	0.16012	178	2.9	3.7
11	BMF 120	2050	1182	3547	0.34302	296	3.2	4
12	BMF 140	1800	1881	5642	0.69452	470	3.7	4.6
13	BMF 160	1600	3113	9339	1.21767	778	4.2	5.3
14	BMF 180	1500	5485	16455	2.018	1371	4.8	6
15	BMF 200	1300	8022	23508	4.03446	1959	5.3	6.6
16	BMF 220	1100	9932	33125	8.67644	2760	5.8	7.3
17	BMF 250	1000	12606	42740	16.85095	3562	6.6	8.2

Notes:

1. Maximum torque figures should be regarded as short duration overload ratings for use in such circumstances as direct-on-line starting etc.
2. All flexible tyres have an angular misalignment capacity up to 4'

Coupling Size		BMF40*	BMF45*	BMF50*	BMF60*	BMF70	BMF80	BMF85	BMF90	BMF100	BMF110	BMF120	BMF140	BMF160	BMF180	BMF200	BMF220	BMF250
M2 [mm]		23	23	28	36	42	47	48	50	58	50	55	26	16	30	48	56	60
Clamping Screw Torque	Nm	15	15	15	15	24	24	32	32	32	32	35	35	35	35	35	38	38

* Hexagonal Socket Cap Head Clamping Screws on these sizes.

02

GEAR COUPLING

Bestomech Gear type couplings are made for high mechanical flexibility, and torsionally rigid design. Bestomech Gear coupling consists of two hubs, which have external teeth crowned over them, and two outer sleeves which have internal spur teeth.

Carbon steel is used to manufacture hubs and sleeves, and are provided with proper hardness and dimensions with very close tolerances, which result in proper tooth messing and interchangeability.

Features :

- Less Backlash
- Compact Assembly
- Larger Bore Capacities
- High Power to Weight ratio
- Generally used up to 120 deg C, can be used for higher temperatures

Applications :

Pumps & Compressors

Cranes & Hoists

Fans & Blowers

Steel & Paper Mills

Service Factors

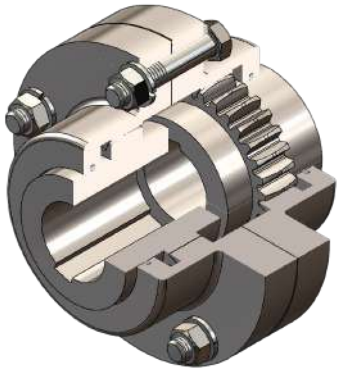
Service Factors			
Type of Load	Electric Motor or Steam turbine	Gasoline or diesel engine 4 or more cylinders	Gasoline or diesel engine more than 6 cylinders
Light Uniform Or Study Load Never Exceeding Horse Rating, Infrequent Starting, Agitators, Blowers, Can Filling Machines, Conveyors, Fans, Generators, Pumps, Steering Gears, Stackers	1	1.5	2
Heavy Inertia, Moderate Shock, Frequent Starting, Peak Loads Not Exceeding 125 Percent Average Motor Power, Uneven Load Conveyors, Washers, Launders, Feeders, Mixers, Paper Mills, Printing Presses, Screens, Textile Industry, Car Pullers.	1.5	2	2.5
Heavy Shock Conditions Or Frequent Reverse Loads Do Not Exceed 150 Percent Motor Power, Uneven Load, Cranes & Hoists, Dredges, Elevators, Welding, Laundry Hammer Mills, Limber In Machine Tools, Metal Mills, Oil Industry, Rubber Industry, Machineries, Conveyors,	2	2.5	3

Construction :

- The Bestomech Gear Coupling consists of two identical external teeth Hubs, two identical internal teeth Sleeves with flange for bolting, a gasket, Set of bolts, nuts, spring washers, lube plugs and two oil/grease retaining seals over the hubs.

Nomenclature :

1. FORGED HUBS WITH EXTERNAL TEETH
2. FORGED SLEEVES WITH INTERNAL TEETH
3. FLANGE GASKET
4. CLOSE TOLERANCE CONNECTING BOLTS
5. LUBRICATION PLUG
6. ‘O’ RING



Section Procedure

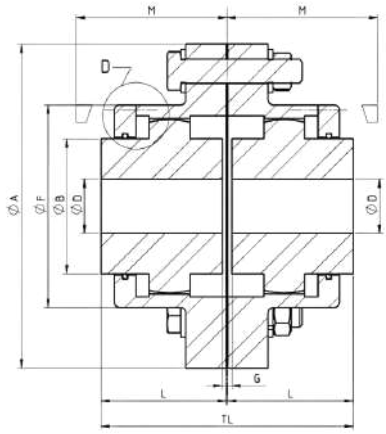
1. Select an appropriate SERVICE FACTOR from table given above.
2. Multiply the rated running power by the service factor, This gives DESIGN POWER at rated speed (RPM) Convert this to design power at 100 RPM. This is used as the basis for coupling selection.

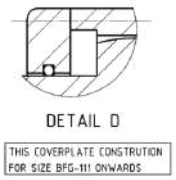
3.Refer to the rating column and read until the power greater than or equal to the design power at 100 rpm is matched to.The size of the gear coupling is given in the corresponding first column. Check the max bore capacities. In case of requirement of the bore is greater than the max bore of selected coupling size, then go for higher size to meet the required bore.

Features :

Standard Full Gear Coupling TYPE BFGC Accommodates Angular & Parallel Misalignments Or A Combination Of Both As Well As Axial Misalignments (End Float. Ideal For All Horizontal, Close Coupled Applications Including Fans, Overhead Cranes, Conveyors, Steel & Paper Mill Equipment. One Or Both The Hubs Can Be Easily Reversed For More Than Normal Shafts Separation Applications.

Flexible Type BFG :





Full Gear Couplings

S.No	SIZE BFG	Max bore mm	Max. Bore mm	Load Torque Nm	Capacity KW per 100 RPM	Max RPM	Wt with solid hub pilot bore	GD2	Dimensions in MM								
									A	B	C	D	E	F	G	H	M
01	BFG 100	35	10	500	5.1	8000	4.2	0.03	120	75	50	39.5	93	15	45	1.5	45
02	BFG 101	50	20	1000	10.3	6300	10	0.14	170	110	65	49	115	17	55	2.5	65
03	BFG 102	60	30	2500	25.7	5000	15	0.2	185	125	85	62	145	17	70	2.5	80
04	BFG 103	75	40	4500	46.3	4000	26	0.48	220	150	105	78	175	20	85	2.5	105
05	BFG 104	90	50	8500	87.5	3350	40	0.95	250	175	130	96	215	20	105	2.5	125
06	BFG 105	110	60	13000	133.9	2800	62	1.9	290	200	155	106	230	25	110	5	140
07	BFG 106	125	75	20000	205.9	2500	85	3	320	230	175	117	260	25	125	5	155
08	BFG 107	140	90	35000	360.4	2100	120	5.25	350	260	205	134	290	25	140	5	175
09	BFG 108	160	105	45000	463.4	1900	180	8.5	380	290	230	147	320	25	155	5	190
10	BFG 109	180	125	56000	576.6	1700	210	15	430	330	250	156	340	25	165	5	205
11	BFG 110	220	140	82000	844.4	1400	290	30.5	490	390	310	171	370	25	180	5	220
12	BFG 111	260	160	110000	1129.7	1250	550	58	545	445	350	192	410	30	200	5	240
13	BFG 112	300	180	147000	1510	1120	710	88	590	490	400	231	490	30	240	5	280
14	BFG 113	330	200	200000	2054.3	1000	980	138	680	555	440	242	535	35	260	7.5	310
15	BFG 114	370	220	286000	2937.6	900	1320	291	730	610	500	266	575	35	280	7.5	330
16	BFG 115	410	250	347500	3568.6	800	1700	353	780	660	540	305	655	35	320	7.5	370
17	BFG 116	455	300	600000	6162.0	710	2550	680	900	755	625	335	720	45	350	10	425
18	BFG 117	520	375	835500	8765.0	630	3620	1235	1000	855	720	386	820	45	400	10	460
19	BFG 118	610	450	1130000	11604.7	560	4860	1965	1100	950	810	430	920	55	450	10	510
20	BFG 119	710	520	1490000	15302.1	500	6380	3012	1250	1050	910	446	1000	55	485	15	560

Half Gear Half Rigid Couplings

Half Gear Half Rigid Couplings																		
SIZE BHG	Max bore (mm) Gear	Max bore (mm) Rigid	Pilot bore mm	Load Torque Nm	Capacity KW per 100 RPM	Max RPM	Wt with solid hub pilot bore	GD2	Dimensions in mm									
									A	B	C	D	E	F	G	H	J	K	M
BHG 100	35	50	10	500	5.1	8000	4.2	0.03	120	75	50	39.5	93	15	45	1.5	46.5	70	45
BHG 101	50	60	20	1000	10.3	6300	10	0.14	170	110	65	49	115	17	55	2.5	57.5	85	65
BHG 102	60	75	30	2500	25.7	5000	15	0.2	185	125	85	62	145	17	70	2.5	72.5	110	80
BHG 103	75	90	40	4500	46.3	4000	26	0.48	220	150	105	78	175	20	85	2.5	87.5	130	105
BHG 104	90	110	50	8500	87.5	3350	40	0.95	250	175	130	96	215	20	105	2.5	107.5	160	125
BHG 105	110	130	60	13000	133.9	2800	62	1.9	290	200	155	106	230	25	110	5	115	185	140
BHG 106	125	150	75	20000	205.9	2500	85	3	320	230	175	117	260	25	125	5	130	215	155
BHG 107	140	170	90	35000	360.4	2100	120	5.25	350	260	205	134	290	25	140	5	145	240	175
BHG 108	160	200	105	45000	463.4	1900	180	8.5	380	290	230	147	320	25	155	5	160	285	190
BHG 109	180	220	125	56000	576.6	1700	210	15	430	330	250	156	340	25	165	5	170	315	205
BHG 110	220	260	140	82000	844.4	1400	290	30.5	490	390	310	171	370	25	180	5	185	370	220

Flexible Brake Couplings

Flexible Brake Coupling														
										Finish Bore				
Coupling Size	DIA A	B	C	D	E	F	DIA G	DIA H	Min	Max	Wt Kg	Torque Nm	Kw/RPM	GD2 kgm2
BFBC 100	100	65	3	6	32	32	64	45	16	25	4	15	0.011768	0.0150.09
BFBC 150	150	80	3	6	42	42	92	65	16	30	10	36	0.020594	0.09
BFBC 160	160	90	3	6	42	42	96	70	16	30	12	36	0.022065	0.13
BFBC 180	180	95	3	6	47	47	119	75	16	40	16	45	0.036775	0.32
BFBC 200	200	102	6	10	57	73	127	90	16	55	18	63	0.04413	0.32
BFBC 250	250	127	6	10	82	98	142	100	25	55	28	90	0.091938	1
BFBC 300	300	152	6	10	89	105	197	127	25	75	61	250	0.257425	2.5
BFBC 315	315	160	6	10	95	95	220	130	25	80	65	300	0.30891	2.85
BFBC 400	400	180	3	6	147	156	250	150	25	100	130	360	0.36775	9.94
BFBC 450	450	184	0	3	133	137	267	155	45	110	172	450	0.463365	15.4
BFBC 500	500	210	6	9	14	159	290	200	45	125	250	950	1.01499	27.5

Break Drum With Flexible Couplings

Break Drum With Flexible Coupling													
Coupling Size	Finish bore		Dia A	Dia B	C	Dia D	E	F	G	H	Wt Kg	Torque Nm	Max RPM
	Min	Max											
BBDFG 150	10	30	150	65	80	95	120	75	50	110	11.5	50	8000
BBDFG 160	10	35	160	70	90	110	120	75	50	120	13.7	50	8000
BBDFG 200	20	45	200	90	100	120	170	110	65	134	23.5	100	6300
BBDFG 250	20	45	250	105	120	130	170	110	65	134	34.2	100	6300
BBDFG 250	30	55	250	105	120	130	185	125	85	149	41	250	5000
BBDFG 300	40	70	300	130	150	170	220	150	105	192	64.5	450	4000
BBDFG 300	50	85	300	130	150	170	250	175	130	212	72	850	3350
BBDFG 375	50	85	375	135	165	185	250	175	130	218	140	850	3350
BBDFG 400	50	85	400	150	180	210	250	175	130	225	152	850	3350
BBDFG 400	60	105	400	150	180	210	290	200	155	230	160	1300	2800
BBDFG 450	60	105	450	170	200	220	290	200	155	235	178	1300	2800
BBDFG 500	75	120	500	210	225	240	320	230	175	275	225	2500	2500

RIGID Couplings

RIGID Coupling									
Coupling Size	Finish bore		Dia A	Dia B	C	Dia D	E	Wt Kg	Max RPM
	Min	Max							
BRC 100	10	50	120	70	46.5	93	15	7	8000
BRC 101	20	60	170	85	57.5	115	17	14	6300
BRC 102	30	75	185	110	72.5	145	17	21	5000
BRC 103	40	90	220	130	87.5	175	20	35	4000
BRC 104	50	110	250	160	107.5	215	20	52	3350
BRC 105	60	130	300	185	115	230	25	75	2800
BRC 106	75	150	320	215	130	260	28	108	2800
BRC 107	90	170	350	240	145	290	28	145	2100
BRC 108	105	200	380	285	160	320	25	175	1900
BRC 109	125	220	430	315	170	340	25	268	1700
BRC 110	140	260	490	370	185	370	25	388	1400

Break Drum Geared Couplings

Break Drum Geared Coupling										
Coupling Size	Finish bore		A	B	C	D	E	Wt Kg	Torque Nm	Max RPM
	Min	Max								
BBDGC 4	12	45	101.6	80	70	65	103	10	100	8000
BBDGC 5 1/2	15	50	139.7	82	90	70	130	19	100	6300
BBDGC 6	15	50	152.4	82	90	70	130	22	250	6300
BBDGC 7	20	55	177.8	90	100	85	140	33	450	5000
BBDGC 8	20	70	203.2	120	102	120	143	47	850	4000
BBDGC 10	20	80	254	130	120	125	160	82	2000	3350

- All Dimensions Are In Mm Unless Otherwise Specified
- Spacer Couplings, Brake Drum, Brake Disc, Shear Pin, Floating Shaft Couplings Are Available
- BFG Gear Couplings Are Designed For Maximum Misalignment Of 1.5 Deg Per Gear Mesh, Recommended Initial Misalignment Is 0.37 Deg Per Mesh
- For Vertical Installation Contact Bestomech Industries Ltd
- For All Max Bore Conditions, Only Single Rectangular Keyway Is Applicable
- Weight And Moment Of Inertia Are At Pilot Bore.

COUPLINGS

03

PIN BUSH COUPLING

Reliable Power Transmission, Unmatched Flexibility

Bestomech Flexi Bush Couplings Consists Of A Set Of Durable & Reliability Tested Resilient Parallel Shaped Bushes With Pins And Nuts And Two Flanged Hubs Of Graded Cast Iron.

The Bushes of Parallel shaped, permit the misalignment effectively and gives extra torsional flexibility. These couplings are suitable for general engineering application requiring reliable power transmission even under conditions of shaft misalignments which are often unavoidable.

Pin Bush Coupling

Applications

Pumps | Compressors | Conveyors | Fan and Blowers | Gearboxes

Construction Simplicity:

- Easy to assemble and disassemble. Suitable independent running of the drive Adequate torsional stiffness characteristics:
- The Bush design provides increasing stiffness characteristics ensuring effective shocks and vibration absorption during the working of application.

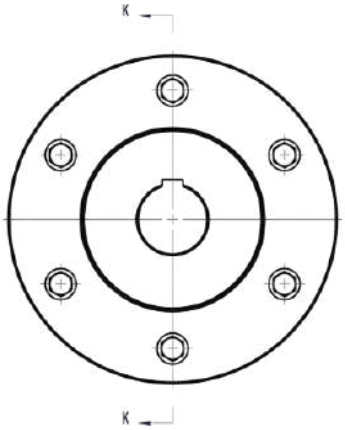
No Lubrication:

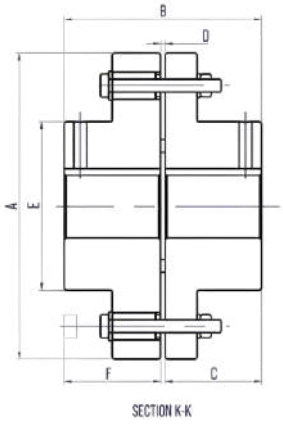
- Bestomech Flexi Bush Couplings never require lubrication of any kind Simple Easy maintenance:
- The adjustment | maintenance method is very simple and user friendly along with inspection and replacement of bushes is easy and can be quickly fitted. There is no need of dismantling or moving either of coupled shafts.

Smooth & Quiet running conditions:

- Severe torque vibrations and fluctuations can be reduced, resulting in smooth and quiet operating conditions.

Driven Machine	Electric Motor, Steam Turbine shafting	Steam Engine Water Turnine	IC engine Multi cylinder	IC Engine Single cylinder, Diesel multi cylinder	Diesel engine Single cylinder
Even Torque Machines: Smooth Loads, Generators, Centrifugal Pumps, Blowers, Small Fans, Line Shafting.	1	1.25	1.5	2	2.5
Machine Tools (Light), Beaters, Exhausters, Wood-Working Machines (Light), Alternators, Welding Generators, Textile Machines.	1.25	1.5	1.75	2.25	2.75
Multi Crank Compressors And Pumps, Generators,(Fluctuating Loads), Rotary Dryers & Screens, Rotary Compressors, Planners, Wood Working Machines * Heavy), Pulp Hrinders, Shakers, Mine Fans.	1.5	1.75	2	2.75	3
Wire Mills, Cement Mills, Small Printing Press.	1.75	2	2.25	3	3.25
Single Crank Compressors & Pumps, Hammers, Ball & Tube Mills, Rolling Mills (Light), Shearing Machines, Punches, Rock & Stone Crushers, Brick Making & Similar Machines, Printing Presses (Large), Grinders, Pulverizer Cranes And Winches, Mechanical Shovels & Dredges, Winding Gears And Drums.	2	2.25	2.5	3.25	3.5
Heavy Rolling Mill Drives, Continuous, Prolonged And Reversing Drives, Severe Tractionand Haulage Loads.	2.25	2.5	2.75	3.5	3.75





Technical Data

Coupling Size	Torque Nm	Max Speed rpm	Bore Dia		QTY N	Dimensions					
			Dia B1 Min	Dia B2 Max		A	B	C	D	E	F
BMPC 101	77	6100	12.7	30	3	95	79	38	3	44	58
BMPC 102	310	5100	12.7	35	4	114	99	48	3	51	70
BMPC 102A	516	4400	16	45	6	130	105	51	3	67	70
BMPC 103	621	3600	16	50	4	160	107	51	5	75	114
BMPC 104	831	3000	20	70	4	191	125	60	5	105	114
BMPC 104A	1241	3000	20	70	6	191	125	60	5	105	114
BMPC 105	1662	2600	25	80	6	225	157	76	5	115	114
BMPC 106	2359	2300	45	100	8	254	183	89	5	140	114
BMPC 106A	2932	2300	45	100	10	254	183	89	5	140	114
BMPC 106B	3533	2300	45	100	12	254	183	89	5	140	114
BMPC 107	4154	1950	55	120	12	290	235	115	5	175	114
BMPC 107A	5195	1900	55	125	14	300	235	115	5	185	130
BMPC 108	5816	1850	60	135	16	310	255	125	5	200	130
BMPC 108A	7268	1650	60	138	18	340	265	130	5	205	130
BMPC 108B	8729	1590	65	142	12	360	276	135	6	212	200
BMPC 109	9932	1470	70	152	13	390	316	155	6	225	200
BMPC 109A	13274	1400	80	162	15	410	336	165	6	240	200
BMPC 110	14420	1300	90	175	16	440	366	180	6	255	200
BMPC 110A	18050	1200	100	185	17	480	386	190	6	270	212
BMPC 111	23780	1080	110	195	20	530	406	200	6	285	212

Material: Flange: FG 260 Hardened Bolts & Nuts Bush of NR 80 Shore A | PU on request

Power Rating (KW)

Speed		Pin Bush Coupling																			
S.NO	Rev per Min.	101	102	102A	103	104	104A	105	106	106A	106B	107	107A	108	108A	108B	109	109A	110	110A	111
01	100	0.81	3.25	5.4	6.5	8.7	13	17.4	24.7	30.7	37	43	54.4	60.9	76.1	91.4	104	139	151	189	240
02	200	1.62	6.5	10.8	13	17.4	26	34.8	49.4	61.4	74	87	108.8	121.8	152.2	182.8	208	278	302	378	498
03	300	2.43	9.75	16.2	19.5	26.1	39	52.2	74.1	92.1	111	130.5	163.2	182.7	228.3	274.2	312	417	453	567	747
04	400	3.24	13	21.6	26	34.8	52	69.6	98.8	122.8	148	174	217.5	243.6	304.4	365.6	416	556	604	756	996
05	500	4.05	16.25	27	32.5	43.5	65	87	123.5	153.5	185	217.5	272	304.5	380.5	457	520	698	755	945	1245
06	600	4.86	19.5	32.4	39	52.2	78	104.2	148.2	184.2	222	261	326.4	365.4	456.6	548.4	624	834	906	1134	1494
07	700	5.67	22.75	37.8	45.5	60.9	91	121.8	172.9	214.9	259	304.5	380.8	426.3	532.7	639.8	728	973	1057	1323	1743
08	720	5.83	23.4	38.9	46.8	62.6	93.6	125.3	177.8	221	266.4	313.2	391.7	438.5	547.9	658	749	1001	1087	1361	1790
09	800	6.48	26	43.2	52	69.6	104	139.2	197.6	245.6	296	348	435.2	487.2	608.8	731.2	832	1112	1208	1512	1992
10	900	7.29	29.25	48.6	58.5	78.3	117	156.6	223.3	276	333	391.5	489.5	548	684.9	822.6	936	1251	1359	1701	2241
11	960	7.77	31.2	51.8	62.4	83.5	124.8	167	237.1	294.7	355.2	417.6	522.2	584.6	730.6	877.4	998	1334	1450	1814	2390
12	1000	8.1	32.5	54	65	87	130	174	247	307	370	435	544	609	761	914	1040	1390	1510	1890	2490
13	1200	9.72	39	64.8	78	104.4	156	208.8	296.4	368.4	444	522	652.8	730.8	913.2	1097	1248	1668	1812	2268	
14	1400	11.34	45.5	75.6	91	121.8	182	243.6	345.8	429.8	518	609	761.6	852.6	1065	1280					
15	1440	11.66	46.8	77.8	93.6	125.3	187.82	250.6	355.7	442	532.8	626.4	783.4	877	1096	1316					
16	1600	12.96	52	86.4	104	139.2	208	278.4	395.2	491	592	696	870.4	974.4	1218	1462					
17	1800	14.58	58.5	97.2	117	156.6	234	313.2	444.6	552.6	666	783	979.2								
18	2000	16.2	65	108	130	174	260	348	494	614	740										
19	2200	17.82	71.5	118.8	143	191.4	286	382.8	543.4	675.4	814										
20	2400	19.44	78	129.6	156	208.8	312	417.6													
21	2600	21.06	84.5	140.4	169	226.2	338	452.4													
22	2800	22.68	91	151.2	182	243.6	364														
23	2880	23.33	93.6	155.5	187.2	250.6	374.4														
24	3000	24.3	97.5	162	195	261	390														
25	3500	28.35	113.75	189	260																
26	4000	32.4	130	216																	
27	4500	36.45	146.5																		

COUPLINGS

04

ROLLER CHAIN FLEXIBLE COUPLING

Bestomech Roller Chain Couplings are compact, all steel, long lasting flexible couplings & capable of transmitting relatively high torques with minimum space consumption providing durable as well reliable service during application. Subsequently, they provide the most economical way of positive transmission of power one shaft to another.

The compact and simple design of these Roller chain flexible couplings make them extremely easy to install and remove

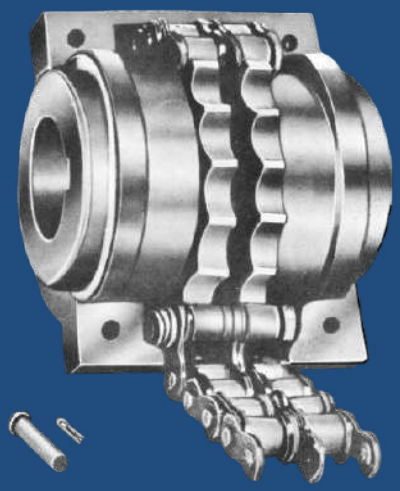
The compactand simple design of these Roller chain flexible couplings make them extremely easy to install and remove. The sprockets are identical in construction, thus providing a balanced unit in operation, thus providing a balanced unit in operation and reducing the effects of vibration. Also, the flexibility of roller chain as well the clearance between the chain rollers and sprocket teeth allow slight misalignment and shaft end float.

Key Features & Benefits:

- Compact All-Steel Construction
- High torque capacity
- Easy installation & removal
- Handles slight misalignment & shaft float
- Reliable constant power transmission

Features :

- Easy to assemble, or dis-assemble, all tooth hardened - Hubs and bores remain soft to make required bore size as required.
- Positive-yet flexible.
- Maximum Flexibility.
- Minimum backlash.
- Constant power transmission.
- Providing economical, durable, compact, easy off / on, user friendly coupling.



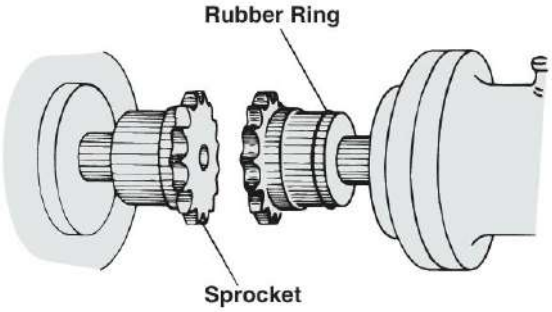
Couplings made available in stock, in general meet most power transmission requirements. However, when necessary special couplings can designed & delivered on a made to order basis to fulfill the customer application requirements. In that case, the information of application needed for Power, RPM, Hub dimensions, bore, Key way sizes and general operating conditions

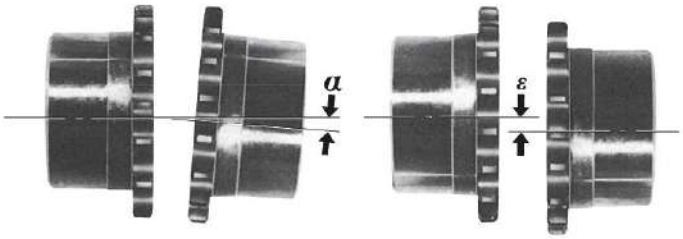
Plastic / Aluminum Covers For Bestomech Roller Chain Flexible Couplings Available On Request

INSTALLATION

Step 1: Prepare the Sprocket & Rubber Ring

Place the rubber ring on back of the Left and right sprocket (Place the rubber ring on top side sprocket area when used in vertical application



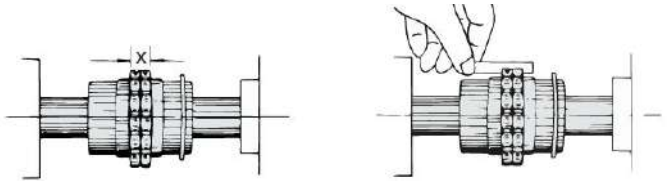


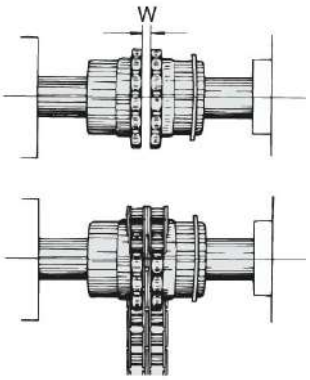
Step 2: Mount Sprockets on Shafts

Bring the sprocket faces close together and correct the angular and offset misalignment. Adjust the angular misalignment (alpha) so that the dimension X is in the same around the circumference of the sprockets. The allowable angular misalignments 1°

Step 3: Check Shaft and Sprocket Alignment

Measure the dimension “S" between the sprocket faces and firmly fasten the set bolt [ref to the table of dimensions]



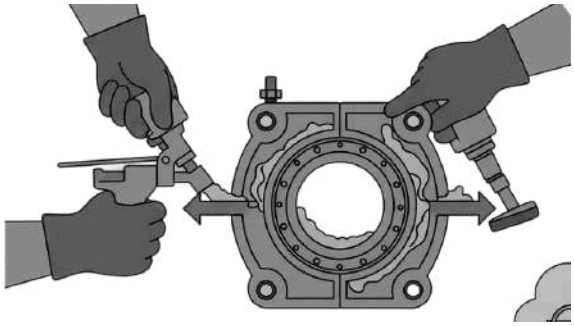


Step 4: Wrap the Coupling Chain

Fill the grease into the space 'S' and lubricate the chain and teeth with the grease, then wrap the chain around both sprockets and fix with the joint pin. Insert the joint pin from oil seal side and confirm that the clip or cotter pin is securely fastened at counterfoil side

Step 5: Apply Lubrication

Fill the required quantity of grease into both sides of the casing and fasten them firmly. There will be slight leakage during initial operations. The leak will soon stop. If the grease still leaks, check the conditions of installation



Lubrication:

- Couplings operating with covers should be kept filled with a good quality ball bearing grease of soft or medium consistency
- Couplings operating without covers under fairly clean conditions will give satisfactory service provided they are periodically (weekly) brushed thoroughly with ball bearing grease of medium consistency

Chain Coupling Power in kW

S.NO	Chain Coupling Power in kW																									
	Coupling No	Universal No	Bore Max	Reveloution per minute																						
				1	5	10	25	50	100	200	300	400	500	600	800	1000	1200	1500	1800	2000	2500	3000	3600	4000	4800	5200	6000
1	BM 06 B 12	3812	16	0.01	0.05	0.11	0.25	0.51	0.77	1.19	1.55	1.85	2.21	2.53	3.13	3.80	5.06	5.24	6.12	6.60	7.95	9.25	10.78	11.76	13.86	14.50	16.32
2	BM 08 B 12	4012	22	0.02	0.11	0.22	0.57	1.13	1.69	2.58	3.39	4.07	4.86	5.56	6.87	8.36	9.48	11.36	13.42	14.50	17.32	20.29	23.62	25.77	30.18		
3	BM 08 B 16	4016	32	0.04	0.21	0.40	1.01	2.02	3.03	4.60	6.05	7.26	8.67	9.89	12.25	14.99	16.95	20.58	23.91	25.77	31.26	36.26	42.14	45.96	53.80		
4	BM 10 B 16	5016	42	0.08	0.38	0.76	1.91	3.83	5.74	8.74	11.47	13.82	16.46	18.82	23.32	28.32	32.24	39.10	45.47	49.00	59.39	68.99	79.97				
5	BM 10 B 18	5018	48	0.10	0.49	0.97	2.43	4.85	7.28	11.07	14.60	17.44	20.87	23.91	29.50	35.87	40.76	49.05	57.62	62.13	75.26	86.83					
6	BM 12 B 18	6018	60	0.18	0.91	1.83	4.58	9.14	13.72	20.87	27.44	32.93	39.29	44.98	55.66	67.72	76.83	93.29	108.78	117.60	142.10						
7	BM 12 B 22	6022	76	0.24	1.22	2.46	6.18	12.25	18.42	28.03	36.94	44.39	53.02	60.66	74.97	91.24	102.90	125.69	146.27	157.78	191.10						
8	BM 16 B 18	8018	80	0.40	2.03	4.06	10.09	20.29	30.38	46.25	60.86	73.01	87.22	98.93	123.48	149.94	170.52	207.27	241.08	259.70							
9	BM 16 B 22	8022	95	0.58	2.90	5.81	14.50	29.00	43.61	65.86	87.22	103.88	124.46	143.08	176.40	214.62	244.02	295.91	345.45	371.42							
10	BM 20 B 20	10020	110	0.91	4.57	9.14	22.83	45.67	68.60	103.88	122.50	164.64	196.00	224.42	277.34	338.10	384.16	466.48	543.17								
11	BM 24 B 18	12018	120	1.37	6.88	13.72	34.40	68.80	102.90	156.80	205.80	246.96	295.91	338.10	417.48	508.62	578.45	701.68									
12	BM 24 B 24	12022	150	1.77	8.89	17.74	44.39	88.88	133.28	201.88	266.56	319.48	382.20	437.33	540.23	657.83	746.76										
13	BM 32 B 18	16018	160	29.43	14.80	29.69	74.28	147.98	22.54	338.10	445.90	535.08	638.96	731.08	903.32	1099.56											
14	BM 32 B 22	16022	199	4.34	21.65	43.41	107.80	216.58	326.34	495.88	651.71	782.78	934.92	1067.96	1323.00	1606.71											
15	BM 40 B 18	20018	205	5.94	29.69	59.39	147.98	296.94	444.92	677.18	890.82	1068.18	1273.98	1459.71	1802.96												
16	BM 40 B 22	20022	260	7.47	37.43	74.77	187.18	374.36	560.56	853.58	1117.20	1342.55	1607.15	1841.91													

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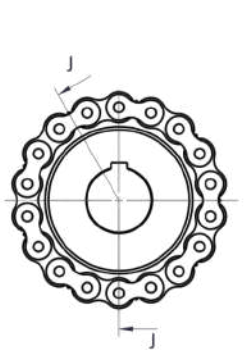
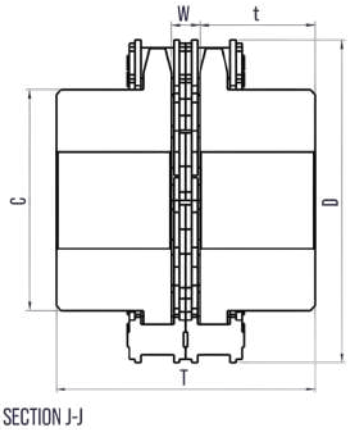
Selection Of The Size Of The Couplings

Service factor for the unit to which the chain coupling is to be fitted by considering the hours of service, type of power unit etc. from the following table.

Service classification	Driven equipment		Source of power		
	Kinds	Chracteristics	Electric motor or steam turbine	Steam or gasoline engine 4 or more	Diesel or gas engine
A	Centrifugal Fans, Blowers Of Pumps Conveyor Evenly Loaded.	Even Load - 8 Hours /Day Service,Non Reversing - Low Torque Starting	1	1.5	2
B	Compressor, Conveyor, Pulsating Load Machines, Kilns And Driers, Speed Reducers, Multi Cylinder Pumps, Wood Working Machines Etc.	Uneven Load - 8 Hours / Day Service, Moderate Shock Or Torsional Loads, Non Reversing This Is The Most Common Type Of Service	1.5	2	2.5
C	Presses, Crushers, Impact Loads, Oil Well Pumping Equipment	Heavy Shock Load - 8 Hours / Day Service, High Peak Torsional Loads, Reversing Under Load, Full Load Starting	2	2.5	3





Chain Coupling Dimensions

Material: Sprocket C 45, Case Hardened Teeth									
Coupling No	Universal No	Min. Bore	Max. Bore	T	t	W	C	D	Wt Kg
BM 06 B 12	3812	10	16	65	30	5	27	45	0.3
BM 08 B 12	4012	10	22	79	36	7	35	60	0.8
BM 08 B 16	4016	12	32	79	36	7	50	77	1.6
BM 10 B 16	5016	16	42	96	44	8	61	96	2.6
BM 10 B 18	5018	16	48	98	45	8	71	106	3.5
BM 12 B 18	6018	20	60	121	56	9	88	126	6.5
BM 12 B 22	6022	20	76	121	56	9	110	150	10
BM 16 B 18	8018	25	80	150	67	16	115	170	14.5
BM 16 B 22	8022	25	95	150	67	16	140	201	20
BM 20 B 20	10020	40	110	200	91	18	157	231	33.5
BM 24 B 18	12018	50	120	260	120	24	169	254	51
BM 24 B 24	12022	50	150	260	150	24	208	301	76
BM 32 B 18	16018	50	160	360	160	30	220	341	121
BM 32 B 22	16022	50	199	360	200	30	280	410	210
BM 40 B 18	20018	60	205	517	205	37	295	425	320
BM 40 B 22	20022	60	260	517	260	37	373	507	470

Typical Solutions :

- Conveyors, Crushers, Mixers, Blowers, Pumps, Compressors, Material Handling Systems, Cooling Towers, Machine Tools, Rolling Mills, and Heavy-Duty Industrial Drives, etc.

05

CURVED JAW COUPLING

BESTOMECH Curved Jaw Coupling are essentially general purpose couplings with a Flexible element which can accommodate of higher degree of misalignment

- Parallel misalignment up to 0.5 mm
- Axial misalignment up to 1.7 mm

The superior design of Curved element flexi jaw coupling can accommodate larger shafts.

Hence it makes the Curved element flexi jaw coupling as more economical proposition during selection of coupling

Applications

Pumps

Moderate Shock Loads

Compressors

Food Processing

ADVANTAGE OF THIS PRODUCT:

- **Economy**: Bestomech Curved Jaw Coupling design has been optimized, so that power capabilities are balanced to the appropriate shaft diameters utilizing Taper Lock Bush fixing.
- **Resilience**: Transient peak loads are reduced by flexible component, Deflection of which is a prime design consideration.
- **Installation**: Quick and easy installation with allen key is possible, no special tools are required.Where load fluctuation is expected more, it is suggested that keys [with top tolerance if in taper lock bushes).
- **Environment**: The elastomeric component makes Curved Element Flexi coupling suitable for use in most conditions within a temperature of -40 deg to 100 deg C.
- **Misalignment** : Incidental parallel, angular and axial displacement of the connected shafts can be accommodated.
- **Positive**: Even in case of event of the flexible component being destroyed, the drive will be maintained by the interaction of dogs which are integral with the flanges

Service Factor

Special Cases	Types of Driving Unit					
For Applications Where Substantial Shock, Vibration & Torque Fluctuation Occur And For Reciprocating Machines, E.G. Internal Combustion Engines, Piston Type Pumps And Compressors, Refer To Bestomech With Full Machine Details For Torsional Analysis	Electric Motors Steam Turbines			Integral Combustion Engines, Steam Engines, Water Turbines		
Drive Machine Class	Operational Hours Per Day					
	10 and under	Over 10 to 16 inclusive	Over 16	10 and under	Over 10 to 16 inclusive	Over 16
UNIFORM Agitators, Brewing Machinery, Centrifugal Blower And Compressors, Conveyors, Centrifugal Fans And Pumps, Generators, Sewage Disposal Equipment.	1.00	1.12	1.25	1.25	1.40	1.60
MODERATE SHOCK Clay Working Machinery, Cranes Hoist, Laundry Machinery, Wood Working Machinery, Machinery Tools, Rotary Mills, Paper Mill Machinery, Textile Machinery.	1.60	1.80	2.00	2.00	2.24	2.50
HEAVY SHOCK Reciprocating Conveyors, Crushers, Shakers, Metal Mills, Rubber Machinery, (Banbury, Mixers And Mills), Reciprocating Compressors.	2.50	2.80	3.12	3.12	3.55	4.00

Product Physical Parameters Characteristic

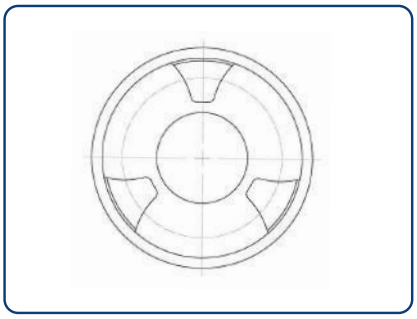
Product Physical Parameters characteristic								
Characteristic	Coupling size							
	BM70	BM90	BM110/ 110A	BM130	BM150	BM180	BM230	BM280
Maximum Speed * rev / min	8300	6740	5110	4400	3800	3180	2540	2080
Nominal Torque (Nm)	31.5	80	160	315	600	950	2000	3150
Max Parrallel misalignment (mm)	0.3	0.3	0.3	0.4	0.4	0.4	0.5	0.5
Max Axial misalignment (mm)	0.2	0.5	0.6	0.8	0.9	1.1	1.3	1.7

Note :

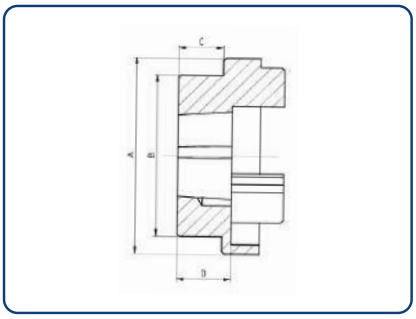
Maximum Coupling Speeds Are Calculated Using An Allowable Peripheral Speed For The Hub Material. For Selection Of Small Sizes Above 3600 Rev / Min - Consult Bestomech Industries Limited

Curved Jaw Coupling Assembly

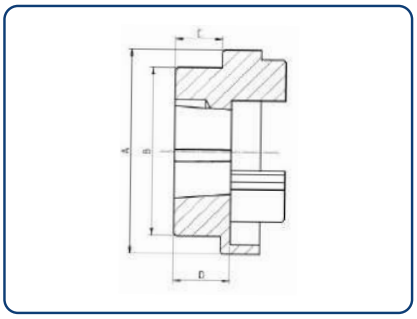
Top View



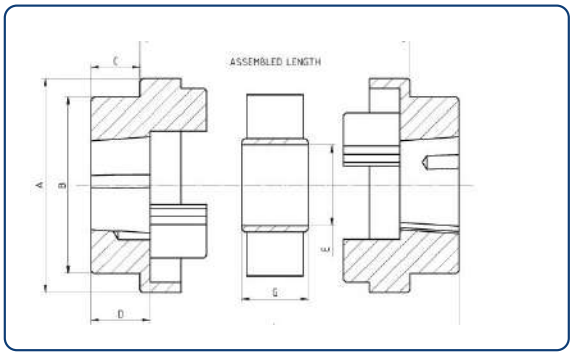
F Flange



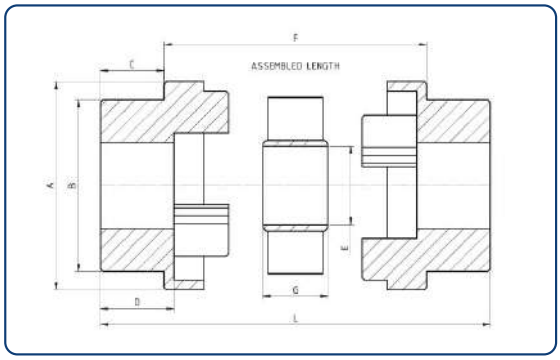
H Flange



HRC ASSEMBLY – F & H TYPE (TAPER LOCK)



HRC ASSEMBLY – B TYPE



Curved Element Flexi Coupling Dimensions

Size	Power at 100 RPM KW	Type F & H								Type B									
		TLB Size	Min Bore	Max Bore	C	D	F	L	J*	Min Bore	Max Bore	C	D	F	L	A	B	E	G
BM70	0.33	1008	9	25	20	24	26	66	29	10	32	20	24	66	66	69	60	31	18
BM90	0.84	1108	9	28	19.5	24	31.5	70.5	29	10	35	26	30	82.5	82.5	85	70	32	22.5
BM110	1.68	1210	11	32	18.5	27	46	83	38	10	55	37	45	119	119	112	100	45	29
BM110 A	1.68	1610	14	42	18.5	27	46	83	38	-	-	-	-	-	-	112	100	45	29
BM130	3.3	1610	14	42	18	27	54	90	38	14	56	47	56	148	148	130	105	50	36
BM150	6.28	2012	14	50	23.5	34	61	108	44	19	60	50	60	160	160	150	115	62	40
BM180	9.95	2517	16	60	34.5	47	74	143	48	35	70	58	70	189	189	180	125	77	49
BM230	20.9	3020	25	75	39.5	53	86.5	165.5	55	38	90	77	90	239.5	239.5	225	155	99	59.5
BM280	33	3525	35	90	51	67	106.5	208.5	67	48	105	90	105	284.5	284.5	275	206	119	74.5

Selection criteria for the coupling

a) Service Factor

Determine the service factor from the Table of service factor.

b) Design Power

Multiply the normal running power by the service factor. This gives the design power which is used as a basis for coupling selection.

c) Coupling Selection

Refer to the table below and from the appropriate speed in the speed column, read across until power equal to or greater than the design power required is found.

d) Bore Size

From the dimension table check that the chosen flanges can accommodate the required bores.

e) Misalignment Capability

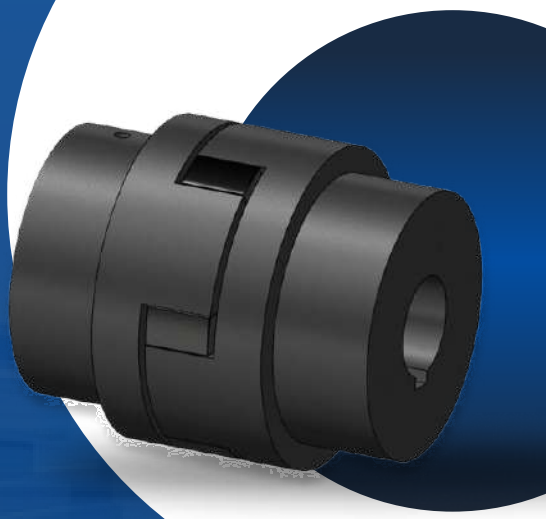
Misalignment acceptability of the coupling needs to be considered.

Coupling Size

Speed Rev / Min	COUPLING SIZE							
	BM70	BM90	BM110/ 110A	BM130	BM150	BM180	BM230	BM280
100	0.33	0.84	1.68	3.3	6.28	9.95	20.9	33
200	0.66	1.68	3.35	6.6	12.6	19.9	41.9	66
400	1.32	3.35	6.7	13.2	25.1	39.8	83.8	132
600	1.98	5.03	10.1	19.8	37.7	59.7	126	198
720	2.37	6.03	12.1	23.8	45.2	71.6	151	238
800	2.64	6.7	13.4	26.4	50.3	79.6	168	264
960	3.17	8.4	16.1	31.7	60.3	95.5	201	317
1200	3.96	10.1	20.1	39.6	75.4	119	251	396
1440	4.75	12.1	24.1	47.5	90.5	143	302	475
1600	5.28	13.4	26.8	52.8	101	159	335	528
1800	5.94	15.1	30.2	59.4	113	179	377	594
2000	6.6	16.8	33.5	66	126	199	419	660
2200	7.26	18.4	36.9	72.6	138	219	461	
2400	7.92	20.1	40.2	79.2	151	239	503	
2600	8.58	21.8	43.6	85.8	163	259	545	
2880	9.5	24.1	48.3	95	181	286		
3000	9.9	25.1	50.3	99	188	298		
3600	11.9	30.1	60.3	110	226			

06

STRAIGHT JAW COUPLING



Bestomech Jaw Couplings Is A Three-Pieced Design Which Consists Of Two Hubs And An Elastomeric Element Called "The Spider", Jaw Coupling Hubs Are Machined With High Precision, They Fit With The Spider, Assuring Zero-Backlash Operation. The Curved Jaw Profile Is Aimed To Concentrate The Forces To The Centre Of The Spider's Limbs, Thus Providing High Effectiveness To The Elastomer Material. Flexible Members Are Provided With Proper Torsional Stiffness To Dampen The Impulse Load, While Countering Misalignment.

Bestomech -Spacer Jaw Couplings Can Be Used To Connect Two Shafts Having Larger Distances Between Them. A Jaw Coupling Is A General Purpose Power Transmission Coupling. It Is Designed To Transmit Torque (By Connecting Two Shafts) While Damping System Vibrations And Accommodating Misalignment, Which Protects Other Components From Damage.

Applications

- Pumps
- Compressors
- Conveyors
- Food Processing

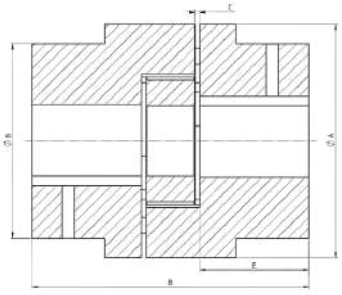
Features:

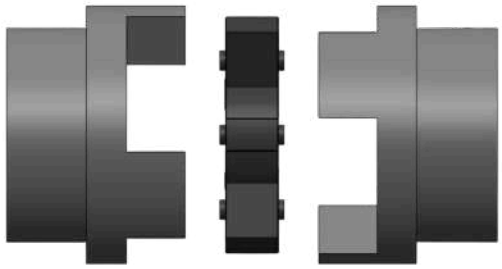
- Simple construction, Quick and easy installation.
- straight element design presents correct distance between hubs, using raised dimple on leg of the spider.
- Spiders are unaffected by environmental challenges like moisture, grease and oils including nonaromatic and non ketone solvents.
- Torque range up to 4308 Nm.
- Maximum permissible misalignment : Angular 1 deg, Parallel 0.4 mm and axial 3 mm[Initial alignment must be within 25% of maximum.

Service Factors

Type of Driven Machine	Electric Motors and Steam Engines	Internal Combustion Engines	
		More than Six Cylinders	Less than Six Cylinders
Uniform Load: Agitators, Brewing Machinery, Centrifugal Compressors & Pumps, Belt Conveyors, Dynamometers, Line Shafts, Fans Up To 7.5 Kw, Blowers And Exhausters Except Positive Displacement Generators.	1	1.5	2
Moderate Shock: Clay Working Machinery, General Machine Tool, Paper Mill Beaters And Winders, Rotary Pumps, Rubber Extruders, Rotary Screens, Textile Machinery, Marine Propellers And Fans Over 7,5 Kw.	1.5	2	2.5
Heavy Shock: Bucket Elevators, Cooling Tower Fans, Piston Compressors And Pumps, Foundry Machinery, Metal Presses, Paper Mill Calendars, Hammer Mills, Presses And Pulp Grinders, Rubber Calendars, Pulverizers And Positive Displacement Blowers	2	2.5	3

Standard Jaw Couplings





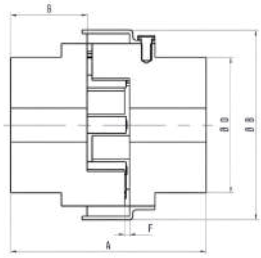
Dimensions and technical data

Dimensions and Technical Data						Matl for Hub : FG 260 / Element Natural Rubber or PU							Material of Hubs	Weight in Kg
S.No	Size	Rated Torque Nm	Kw rating at			Dimensions are in mm								
			100 Rpm	1500 Rpm	3000 Rpm	Min Bore	Max Bore	Dia A	B	C	Dia D	E		
01	BM 75	9.8	0.1	1.5	3	9	22	45	55	2	45	21	FG 260	0.9
02	BM 90	21	0.22	3.3	6.6	10	28	54	55	2	54	21	FG 260	1.8
03	BM 95	21	0.22	3.3	6.6	10	28	54	63	2	49	25	FG 260	2.2
04	BM 99	35	0.37	5.55	11.1	10	30	65	72	2	51	27	FG 260	2.5
05	BM 100	46	0.49	7.35	14.7	10	35	65	88	2	57	35	FG 260	3
06	BM 110	89	0.93	13.95	27.9	15	42	85	108	3	76	43	FG 260	3.2
07	BM 150	141	1.49	22.35	44.7	15	48	96	115	3	80	45	FG 260	3.9
08	BM 190	190	2.01	30.15	60.3	20	60	115	133	3	102	54	FG 260	7.5
09	BM 225	265	2.76	41.4	82.8	20	65	127	153	3	111	64	FG 260	10.5

Typical Solutions :

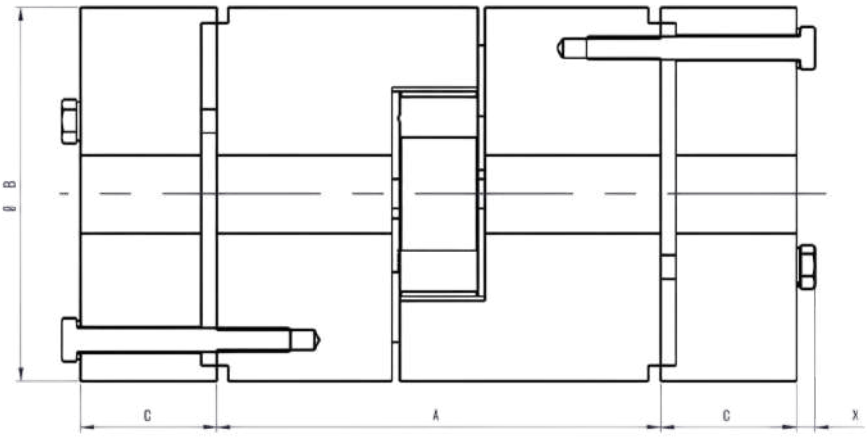
- Pumps including back pullout type, Conveyors, Elevators, Packing machinery, Food processing plants, Compressors, General machine tools, Blowers, Paper mill beaters and calenders etc..

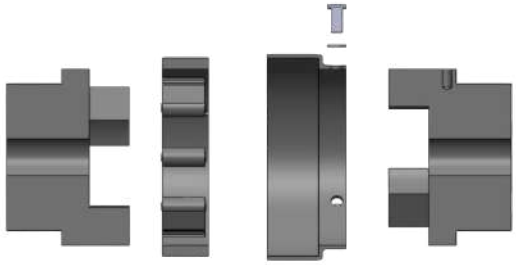
External Spider Couplings



S.No	Size	Bore[mm]		Dimension [mm]				
		Min	Max	E	F	H	I	J
01	BM-JC-95E	15	23	63	64	46	2	25
02	BM-JC-100E	20	38	88	77	57	2	35
03	BM-JC-110E	20	42	108	95	76	3	43
04	BM-JC-150E	30	48	115	110	80	3	45
05	BM-JC-190E	35	55	135	128	102	3	54
06	BM-JC-225E	40	60	153	141	108	3	64

Standard Spacer Jaw





S.No	Size	Bore[mm]		Dimensions [mm]			
		Min	Max	E [DSBE]	F	G	X
01	BM-JC-90S	15	28	90/100-0	54	25	6
02	BM-JC-100S	20	38	90/100/14-0	65	30	6
03	BM-JC-110S	20	42	90/100/14-0	885	35	8
04	BM-JC-150S	30	48	90/100/14-0	96	45	10
05	BM-JC-190S	35	55	90/100/14-0	115	51	10
06	BM-JC-225S	40	60	90/100/14-0	127	57	12