FEATURES/BENEFITS

D-FLEX Couplings

FLEXIBLE SOLUTIONS LOW COST TYPE J COUPLINGS OFFERED IN FOUR SIZES

- Features zinc die-cast flanges that are bored to size
- Accommodates applications through 10 HP at 1750 RPM
- Available with EPDM or Neoprene sleeves
- Shaft attachment with two setscrews at 65º

TYPE S COUPLINGS FEATURE AGMA 9 BALANCED FLANGES OFF THE SHELF

- High-strength, cast iron flanges that are finished bored for AGMA clearance fit
- Ionized powder coated flanges for superior corrosion protection
- Available with EPDM, Neoprene or Hytel★ sleeves
- Shaft attachment with two setscrews at 65º

TYPE B COUPLINGS OFFERED WITH STANDARD QD† BUSHING SHAFT ATTACHMENT

- Constructed from high-strength cast iron
- Available with EPDM or Neoprene sleeves

TYPE SC SPACER COUPLINGS SATISFY STANDARD SPACING REQUIREMENTS FOR PUMP APPLICATIONS

- Accommodates ANSI and ISO standard between shaft end dimensions, with custom spacer dimensions available on demand
- Features AGMA 9 balanced flanges & drop-out center for easy equipment maintenance
- Available with EPDM, Neoprene or Hytrel sleeves
- Uses H & HS shaft hubs that are bored to size for slip fit or offered with plain bore for reboring
- Shaft attachment with two setscrews at 65º
- Shaft hub flats are used for holding shafts stationary while loosening or tightening grade 8 bolts

★ Registered trademark of DuPont

† QD is a registered trademark of Emerson Electric Co.

FEATURES/BENEFITS

D-FLEX Couplings

ADDED VALUE

ATEX Approved

- All documents and markings included with standard product

INTERCHANGEABLE COMPONENTS MAKES INSTALLATION QUICK AND EASY

- Interchangeable with other elastomeric sleeve couplings
- Slides into position for snug fit

NO LUBRICATION ASSURES TROUBLE-FREE OPERATION

- No metal-to-metal contact
- Provides clean, quiet, trouble-free performance

NOTE: All instruction manuals for D-FLEX Coupling and QD and TL Bushings available on www.baldor.com

DODGE®

D-FLEX

SPECIFICATION

D-FLEX Couplings employ a molded, non-lubricated elastomeric flexing sleeve loaded in shear. The flexible sleeve shall be of EPDM, Neoprene, or Hytrel. The compound of EPDM shall be suitable for operation in ambient temperature from -30°F to +275°F, Neoprene 0°F to +200°F, and Hytrel -65°F to +250°F. Both EPDM and Neoprene sleeves shall have torsional flexing capability of 15° and accommodate 1° of angular misalignment. Hytrel sleeves, suitable to transmit four times the power of EPDM or Neoprene, has torsional flexing capability of 7° and 1/4° of angular misalignment.

The flexible sleeve is connected with external and internal gear teeth that engage with mating teeth in each flange. The coupling assemblies have optional methods of attachment to the shaft including but not limited to: clearance fit or QD Bushings. Clearance fits are supplied with an industry standard keyway and two set screws, one over the key and one at 65°.

Spacer Couplings consist of two hubs and a center assembly consisting of two spacer spacer flanges and one flexible element. The center assembly is easily removable removable to facilitate maintenance on pumps or other connected equipment and must be replaceable without disturbing the coupled equipment and without realignment.

D-Flex couplings utilizing EPDM and Neoprene elements are static conductive.

HOW TO ORDER

Standard couplings consist of:
- (2) Flange Assemblies
- (1) Flexible Sleeve

Spacer Couplings consist of:
- (2) Shaft Hubs
- (2) Spacer Flanges
- (1) Flexible Sleeve

NOMENCLATURE

6 JE / 2 - 6J X 7/8

SIZE

SLEEVE

(JE, JES, E, JN, JNS, N, H, HS)

FLANGE QTY.

FLANGE SIZE AND TYPE

(J, S, B, SC-H)

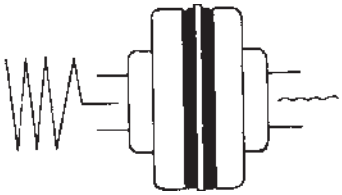
FLANGE BORE

For selection method, please refer to page PT1-83

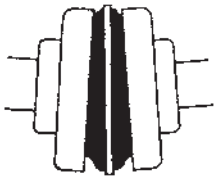
SELECTION/DIMENSIONS

D-FLEX Couplings

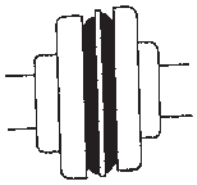
FOUR-WAY FLEXING ACTION HANDLES SHOCK, VIBRATION & MISALIGNMENT



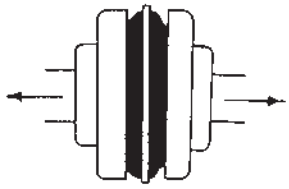
TORSIONAL
Absorbs torsional shock, dampens torsional vibrations



ANGULAR
Allows for angular misalignment



PARALLEL
Minimizes bearing loads, absorbs parallel misalignment with less wear and energy loss



AXIAL
Allows for shaft end-float

D-FLEX Coupling Sleeves

	EPDM Rubber	Neoprene	Hytrel(1)
One-Piece Solid Construction	JE	JN	H
One-Piece Split Construction	JES	JNS	-
Two-Piece Construction	E	N	HS
Sizes Offered	3 - 10 JE, JES 4 - 16 E	3 - 10 JN, JNS 4 - 14 N	6 - 12 H, HS
Temperature Range	-30°F to +275°F	0°F to +200°F	-65°F to +250°F
Max Angular	1°	1°	1/4°
Max Parallel(2)	.010" - .062"	.010" -.062"	.010" -.035"
Axial End-Float(2)(3)	.03" -.125"	.03" -.125"	.06" -.125"
Torsional Flexibility	15° Wind Up	15° Wind Up	7° Wind Up
Application Use	General	Good Oil Resistance	Downsizing For Use Of Smaller Couplings

(1) Do not use with J or B flanges or as a replacement for other sleeves

(2) Depends on coupling size.

(3) Increase the E dimension by this amount to accommodate end float.

D-FLEX Couplings

D-FLEX Coupling Sleeves - Part Numbers

Coupling Size	EPDM			Neoprene			Hytrel	
	JE	JES	E	JN	JNS	N	H	HS
3	004208	004242		004209	004243			
4	004210	004244	022190	004211	004245	022211		
5	004212	004246	022191	004213	004247	022212		
6	004214	004248	022192	004215	004249	022213	022183	022232
7	004216	004250	022193	004217	004251	022214	022184	022233
8	004218	004252	022194	004219	004253	022215	022185	022234
9	004220	004254	022195			022216	022186	022235
10	004222	004256	022196			022217	022187	022236
11			022197			022218	022188	022237
12			022198			022219	022189	022238
13			021990			021993		022239
14			021991			021994		425730
16			021992					

D-FLEX Flange/Sleeve Compatibility

Flange Style	EPDM		Neoprene		Hytrel	
	JE/JES 1 Piece	E 2 Piece	JN/JNS 1 Piece	N 2 Piece	H 1 Piece	HS 2 Piece
Type J	√	√	√	√		
Type S	√	√	√	√	√	√
Type B Bushed	√	√	√	√		
SC Spacer	√	√	√	√	√	√

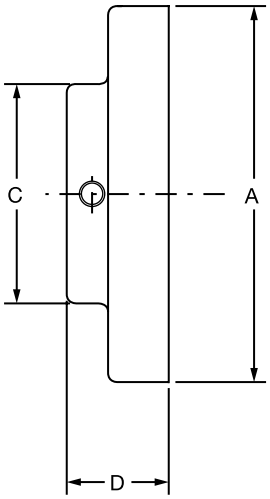
D-FLEX Section/Ratings Data

Element Size	Max. Bore				Max RPM	EPDM & Neoprene		Hytrel	
	Straight Bore			Bushed		HP/100	Rated Torque (In-Lbs)	HP/100	Rated Torque (In-Lbs)
	Type J	Type S	Type SC	Type B					
3	7/8	-	-	-	9200	0.10	60	-	-
4	1	-	-	-	7600	0.19	120	-	-
5	1-1/8	1-1/4	1-1/8	-	7600	0.38	240	-	-
6	1-3/8	1-7/8	1-3/8	1-3/16	6000	0.71	450	2.90	1,800
7	-	1-7/8	1-5/8	1-3/16	5250	1.20	725	4.60	2,875
8	-	2-3/8	1-7/8	1-5/8	4500	1.80	1,135	7.20	4,530
9	-	2-7/8	2-1/8	1-15/16	3750	2.80	1,800	11.40	7,200
10	-	3-3/8	2-3/8	2-1/2	3600	4.60	2,875	18.00	11,350
11	-	3-7/8	2-7/8	2-13/16	3600	7.20	4,530	28.60	18,000
12	-	3-15/16	2-7/8	3-1/2	2800	11.40	7,200	50.00	31,500
13	-	4-1/2	3-3/8	3-15/16	2400	18.00	11,350	75.00	47,268
14	-	5	3-7/8	3-15/16	2200	28.60	18,000	115.00	72,480
16	-	6	-	4-1/2	1500	75.00	47,250	-	-

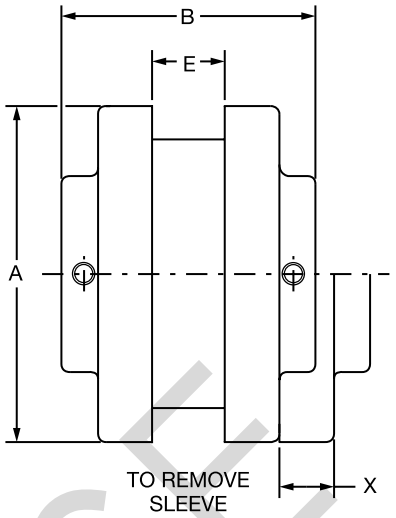
SELECTION/DIMENSIONS

D-FLEX Couplings

TYPE "J" COUPLING DIMENSIONS



TYPE "J" FLANGE



TYPE "J" COUPLING

Dimensions

Coupling Size	Min. Bore	Max. Bore	HP/100	EPDM/ Neoprene Torque (in.-lbs.)	Max. RPM	A	B	C	D	E	X	Weight (lbs.)	Inertia (lbs ft²)
3J	3/8	7/8	0.10	60	9200	2.06	2.00	1.50	0.81	0.38	0.56	0.03	
4J	1/2	1	0.19	120	7600	2.46	2.38	1.63	0.88	0.63	0.75	0.04	
5J	1/2	1-1/8	0.38	240	7600	3.25	2.88	1.88	1.06	0.75	0.97	0.09	
6J	5/8	1-3/8	0.71	450	6000	4.00	3.31	2.50	1.22	0.88	1.09	1.20	

6J Minimum bore - 5/8"

Part Numbers

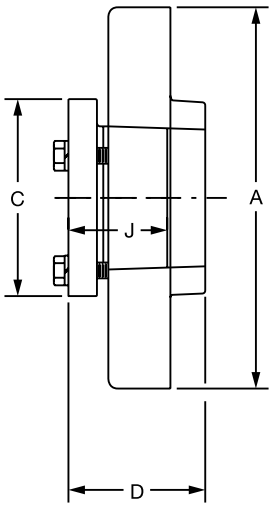
Bore (in.)	Coupling Flange			
	3J	4J	5J	6J
3/8	022700			
1/2	022701	022708	022714	
5/8	022702	022709	022715	022721
3/4	022703	022710	022716	022722
7/8	022704	022711	022717	022723
15/16		022712	022718	022724
1		022713	022719	022725
1-1/8			022720	022726
1-3/16				022727
1-1/4				022728
1-3/8				022729

Unless otherwise specified, all Type-J flanges are clearance fit per AGMA 9002.
See page 101 for additional details.

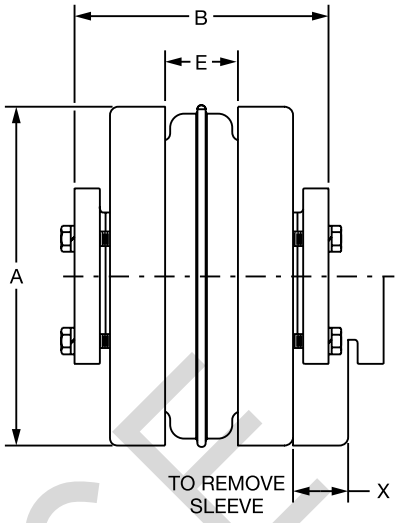
Complete coupling consists of (2) J flanges, and (1) sleeve (from page PT1-39).

D-FLEX Couplings

TYPE "B" QD BUSHED COUPLING DIMENSIONS



TYPE "B" FLANGE



TYPE "B" COUPLING

Dimensions

Coupling Size	Bushing Type	Min. Bore	Max. Bore#	HP/100	EPDM/ Neoprene Torque (in.-lbs.)	Max. RPM	A	B	C	D	E	J	X	Weight (lbs.)+		Inertia (lbs ft²)
														Flange	Bushing	
6B	JA	1/2	1-3/16	0.71	450	6000	4.00	3.31	2.00	1.53	0.88	1.00	1.09	1.30	0.40	
7B	JA	1/2	1-3/16	1.20	725	5250	4.63	3.44	2.00	1.59	1.00	1.00	1.31	1.90	0.40	
8B	SH	1/2	1-5/8	1.80	1135	4500	5.45	4.06	2.63	1.84	1.13	1.31	1.50	2.90	0.90	
9B	SD	1/2	1-15/16	2.80	1800	3750	6.35	4.63	3.19	2.19	1.44	1.81	1.75	4.80	1.60	
10B	SK	1/2	2-1/2	4.60	2875	3600	7.50	5.63	3.88	1.84	1.63	1.94	2.00	7.80	2.70	
11B	SF	1/2	2-15/16	7.20	4530	3600	8.63	6.56	4.63	2.13	1.88	2.00	2.38	12.00	3.80	
12B	E	7/8	3-1/2	11.40	7200	2800	10.00	7.94	6.00	2.69	2.31	2.75	2.69	18.00	9.00	
13B	F	1	3-15/16	18.00	11350	2400	11.75	9.31	6.63	3.69	2.69	3.75	3.00	31.20	14.00	
14B	F	1	3-15/16	28.60	18000	2200	13.88	10.44	6.63	3.69	3.25	3.75	3.50	51.40	14.00	
16B	J	1-1/2	4-1/2	75.00	47250	1500	18.88	13.25	7.25	4.75	4.75	4.63	4.50	120.00	21.00	

Max bore with shallow key

+ Approximate weight for each flange; average weight for each bushing

Part Numbers

	6B	7B	8B	9B	10B	11B	12B
Part No.	022501	022502	022503	022504	022505	022506	022507

	13B	14B	16B
Part No.	022508	022509	022510

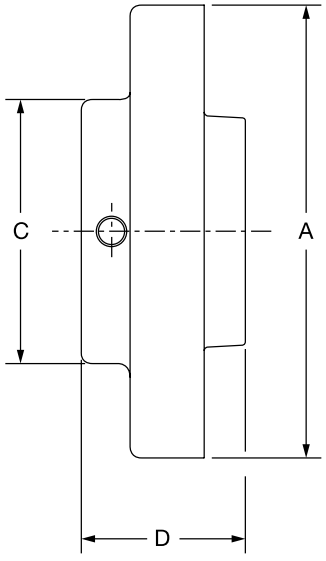
Complete coupling consists of (2) B flanges, (1) sleeve and (2) QD Bushings. QD Bushings must be ordered separately (from page PT6-16).

PT Component Reference Guide
Couplings
Clutches and Brakes
FLEXIDYNE
Fluid Couplings
TORQUE-TAMER
Bushings

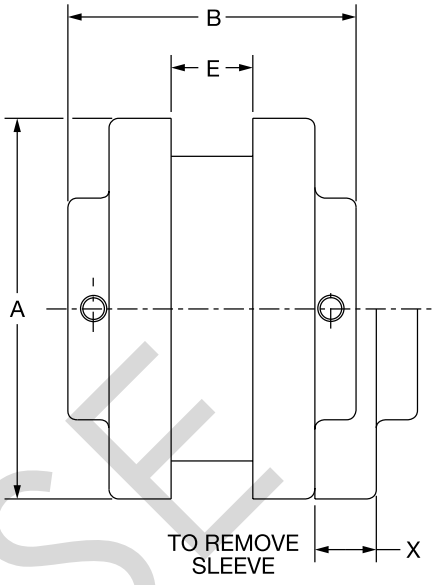
SELECTION/DIMENSIONS

D-FLEX Couplings

TYPE "S" COUPLING DIMENSIONS



TYPE "S" FLANGE



TYPE "S" COUPLING

Dimensions

Coupling Size	Min. Bore	Max. Bore#	HP/100*	Torque* (in.-lbs.)	Max. RPM	A	B	C	D	E	X	Weight (lbs.)
5S	1/2	1-1/4	0.38	240	7600	3.25	2.81	1.88	1.34	0.75	0.97	1.1
6S	1/2	1-1/2							1.63			1.9
6S	1-9/16	1-3/4	0.71	450	6000	4	3.5	2.81	1.31	0.88	1.09	1.8
6S	1-13/16	1-7/8							1.31			1.8
7S	1/2	1-7/8	1.2	725	5250	4.63	3.94	2.81	1.84	1	1.31	2.6
8S	1/2	2-1/8	1.8	1135	4500	5.45	4.44	3.25	2.09	1.13	1.5	4.4
8S	2-3/16	2-3/8							1.66			3.7
9S	7/8	2-1/2	2.8	1800	3750	6.35	5.06	4.13	2.41	1.44	1.75	6.5
9S	2-9/16	2-7/8							1.81			6.2
10S	1-1/8	2-7/8	4.6	2875	3600	7.5	5.69	4.75	2.72	1.63	2	10.5
10S	2-15/16	3-3/8							2.03			9.8
11S	1-1/4	2-1/8							3.44			18.1
11S	2-3/16	2-3/4	7.2	4530	3600	8.63	7.13	5.63	3.44	1.88	2.38	17.9
11S	2-13/16	3-3/8							3.44			16.6
11S	3-7/16	3-7/8							2.63			16.4
12S	1-1/2	2-1/8										27.8
12S	2-3/16	2-7/8	11.4	7200	2800	10	8.25	5.75	4	2.31	2.69	27.5
12S	2-15/16	3-15/16										26.6
13S	2" Reb.	4-1/2	18	11350	2400	11.75	9.25	6.75	4.38	2.69	3.06	45.2
14S	2" Reb.	5	28.6	18000	2200	13.88	9.88	7.5	4.5	3.25	3.5	69.1
16S	2" Reb.	6	75	47250	1500	18.88	14.25	8	6	4.75	4.25	125.3

Max bore with shallow keyway. For max bore with standard keyway, see page PT1-43

* Ratings based on EPDM & Neoprene. For Hytrel ratings, see page PT1-39

SELECTION/DIMENSIONS

D-FLEX Couplings

Type "S" Coupling Flange - Part Numbers

Bore (in.)	Coupling Flange Size										
	5S	6S	7S	8S	9S	10S	11S	12S	13S	14S	16S
Reborable	004976	004977	004978	004979	004980	004981	004982	004983	004993	004994	004995
Finished Bore Flanges											
1/2	004498										
5/8	004500	004511	004534								
3/4	004502	004513	004536	004559							
7/8	004504	004515	004538	004561	004586						
15/16	004505	004516	004539	004562	004587						
1	004506	004517	004540	004563	004588						
1-1/8	004508	004519	004542	004565	004590	004619					
1-3/16	* 004509	004520	004543	004566	004591	004620					
1-1/4	† 004510	004521	004544	004567	004592	004621	004656				
1-5/16		004522	004545	004568	004593	004622	004657				
1-3/8		004523	004546	004569	004594	004623	004658				
1-7/16		* 004524	004547	004570	004595	004624	004659				
1-1/2		† 004525	004548	004571	004596	004625	004660	004696			
1-5/8		004527	* 004550	004573	004598	004627	004662	004698			
1-11/16		004528	004551	004574	004599	004628	004663	004699			
1-3/4		004529	004552	004575	004600	004629	004664	004700			
1-7/8		004531	† 004554	004577	004602	004631	004666	004702			
1-15/16				004578	004603	004632	004667	004703			
2				004579	004604	004633	004668	004704			
2-1/8				† 004581	004606	004635	004670	004706			
2-3/16				004582	004607	004636	004671	004707			
2-1/4				004583	004608	004637	004672	004708			
2-3/8				004585	* 004610	004639	004674	004710	004996		
2-7/16					004611	004640	004675	004711			
2-1/2					† 004612	004641	004676	004712			
2-5/8					004614	004643	004678	004714			
2-11/16					004615	004644	004679	004715			
2-3/4					004616	* 004645	004680	004716			
2-7/8					004618	† 004647	004682	004718	004997	004998	
2-15/16						004648	004683	004719			
3						004649	004684	004720			
3-1/8						004651	004686	004722			
3-1/4						004653	004688	004724			
3-5/16						004654	004689	004725			
3-3/8						004655	*† 004690	004726			
3-7/16							004691	004727			
3-1/2							004692	004728			
3-5/8							004693	004730			
3-11/16								004731			
3-3/4							004694	004732			
3-7/8							004695	*† 004734			
3-15/16								004735			

Unless otherwise specific, all Type-S flanges are clearance fit per AGMA 9002.
See page 101 for additional details.

† Max bore for reborable flanges.

Complete coupling consists of (2) S flanges and (1) sleeve (from page PT1-39).

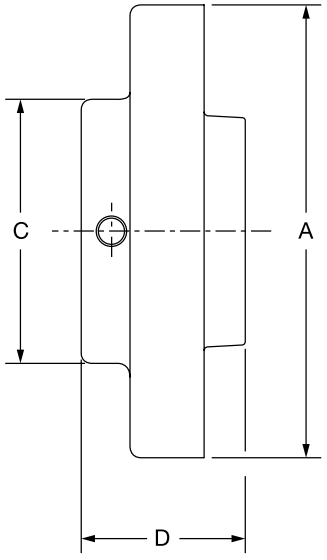
***Max bore with std. square keyway. Larger bores have rectangular keyways & keys supplied.**

PT Component Reference Guide
Couplings
Clutches and Brakes
FLEXIDYNE
Fluid Couplings
TORQUE-TAMER
Bushings

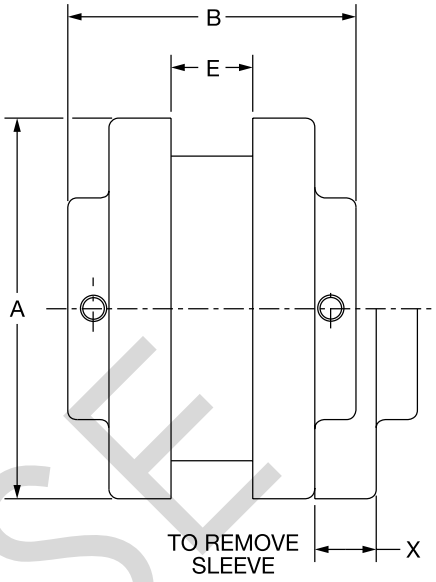
SELECTION/DIMENSIONS

D-FLEX Couplings

TYPE “S” COUPLING DIMENSIONS - METRIC



TYPE “S” FLANGE



TYPE “S” COUPLING

Dimensions

Coupling Size	Min. Bore (mm)	Max. Bore #	Watts/100*	Torque* (N-m)	Max. RPM	A (mm)	B (mm)	C (mm)	D (mm)	E (mm)	X (mm)	Mass (kg)
5S	12.7	30	283	27.1	7600	82.6	71.4	48	34	19	25	0.5
6S	12.7	38	530	51	6000	101.6	89	71	41	22	28	0.9
7S	12.7	42	895	82	5250	117.6	100	71	47	25	33	1.2
8S	12.7	50	1343	128	4500	138.4	113	83	53	29	38	2.0
9S	22.2	60	2089	203	3750	161.3	129	92	61	37	44	2.9
10S	28.0	70	3432	325	3600	190.5	145	111	69	41	51	4.8
11S	30.0	95	5371	512	3600	219.2	181	143	87	48	60	8.2
12S	38.0	100	8504	814	2800	254.0	210	146	102	59	68	12.6
13S	50.8	114	13428	1282	2400	298.5	235	171	111	68	78	20.5
14S	50.8	127	21336	2034	2200	352.6	251	191	114	83	89	31.3
16S	50.8	140	55950	5339	1500	479.6	362	203	152	121	108	56.8

Max bore with shallow keyway. For max bore with standard keyway, see page PT1-43

* Ratings based on EPDM & Neoprene. For Hytrel ratings, see page PT1-39

D-FLEX Couplings

Type “S” Coupling Flange - Part Numbers - Metric

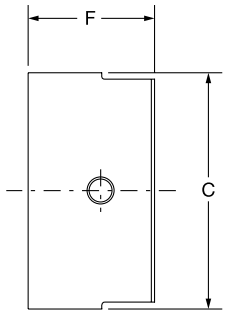
Bore (mm)	Coupling Flange Size							
	5S	6S	7S	8S	9S	10S	11S	12S
14mm	004856	004865	004878	004893	004911			
16mm	004857	004866	004879	004894	004912			
18mm	004858	004867	004880	004895	004913			
19mm	004859	004868	004881	004896	004914			
20mm	004860	004869	004882	004897	004915			
22mm	004861	004870	004883	004898	004916			
24mm	004862	004871	004884	004899	004917			
25mm	004863	004872	004885	004900	004918			
28mm	004864	004873	004886	004901	004919	004928		
30mm		004874	004887	004902	004920	004929	004942	
32mm		004875	004888	004903	004921	004930	004943	
35mm		004876	004889	004904	004922	004931	004944	
38mm			004890	004905	004923	004932	004945	004960
40mm			004891	004906	004924	004933	004946	004961
42mm			004892	004907	004925	004934	004947	004962
45mm				004908	004926	004935	004948	004963
48mm				004909	004927	004936	004949	004964
50mm				004910		004937	004950	004965
55mm						004938	004951	004966
60mm						004939	004952	004967
65mm						004940	004953	004968
70mm						004941	004954	004969
75mm							004955	004970
80mm							004956	004971
85mm							004957	004972
90mm							004958	004973
95mm							004959	004974
100mm								004975

Complete coupling consists of (2) S flanges and (1) sleeve (from page PT1-39).

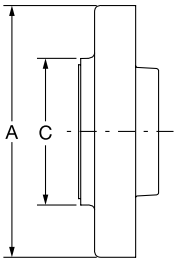
SELECTION/DIMENSIONS

D-FLEX Couplings

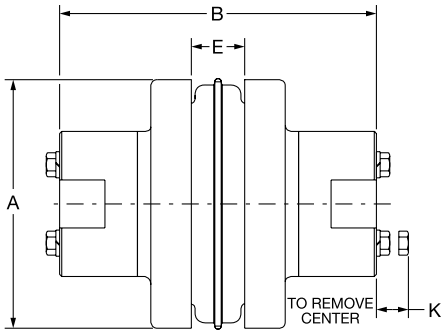
TYPE "SC" COUPLING DIMENSIONS



SHAFT HUB



SPACER FLANGE



COMPLETE SPACER COUPLING

Dimensions (1)

Cplg. Size	BSE	Flange Number	Shaft Hub H	Shaft Hub HS	Max. Bore (2) H	Max. Bore (2) HS	A	(3) B	C	E	F H	F HS	K	Wt. (4) (lbs.)
5SC	3.50	5SC35	5H	-	1-1/8	-	3.25	5.63	2.00	0.75	1.09	-	0.56	4.50
6SC	3.50	6SC35	6H	---	1-3/8	-	4.00	5.88	2.50	0.88	1.22	-	0.75	7.30
	4.38	6SC44	6H		1-3/8	-		6.75	2.50		1.22			8.10
	5.00	6SC50	6H		1-3/8	-		7.88	2.50		1.22			8.70
7SC	3.50	7SC35	7H	---	1-5/8	-	4.63	6.38	2.81	1.00	1.47	-	0.63	9.90
	4.38	7SC44	7H		1-5/8	-		7.25	2.81		1.47			10.80
	5.00	7SC50	7H		1-5/8	-		7.88	2.81		1.47			11.40
8SC	3.50	8SC35	8H	-	1-7/8	-	5.45	6.88	3.25	1.13	1.72		0.81	15.20
	3.50	8SC35-10	10H	10HS	2-3/8	1-5/8		9.13	4.38		2.34		0.81	23.20
	4.38	8SC44	8H	-	1-7/8	-		7.75	3.25		1.72	1.66	0.81	16.40
	5.00	8SC50	8H	-	1-7/8	-		8.38	3.25		1.72	1.33	1.19	17.40
	5.00	8SC50-10	10H	10HS	2-3/8	1-5/8		9.63	4.38		2.34		1.19	27.20
9SC	3.50	9SC35	9H	9HS	2-1/8	1-1/2	6.35	7.50	3.63	1.44	1.97	1.53	1.06	18.60
	4.38	9SC44	9H	9HS	2-1/8	1-1/2		8.25	3.63		1.97	1.53	1.06	22.20
	5.00	9SC50	9H	9HS	2-1/8	1-1/2		8.88	3.63		1.97	1.53	1.06	23.20
	5.00	9SC50-11	11H	11HS	2-7/8	1-7/8		10.38	5.25		2.72	1.91	1.19	40.40
	7.00	9SC70-11	11H	11HS	2-7/8	1-7/8		12.38	5.25		2.72	1.91	1.19	48.20
	7.75	9SC78-11	11H	11HS	2-7/8	1-7/8		13.13	5.25		2.72	1.91	1.19	51.00
10SC	4.75	10SC48	10H	10HS	2-3/8	1-5/8	7.50	9.38	4.38	1.63	2.34	1.66	1.19	37.60
	5.00	10SC50	10H	10HS	2-3/8	1-5/8		9.63	4.38		2.34	1.66	1.19	38.40
	7.00	10SC70-13	13H	13HS	3-3/8	2-1/2		13.63	6.13		3.34	2.47	1.88	72.00
	7.75	10SC78-13	13H	13HS	3-3/8	2-1/2		14.63	6.13		3.34	2.47	1.88	76.00
	10.00	10SC100-13	13H	13HS	3-3/8	2-1/2		16.63	6.13		3.34	2.47	1.88	88.00
11SC	4.75	11SC48	11H	11HS	2-7/8	1-7/8	8.63	10.31	5.25	1.88	2.72	1.91	1.19	54.50
	5.00	11SC50	11H	11HS	2-7/8	1-7/8		10.38	5.25		2.72		1.19	54.70
	7.00	11SC70-14	14H	-	3-7/8	-		14.38	6.50		3.84		2.00	86.10
	7.75	11SC78-14	14H	-	3-7/8	-		15.38	6.50		3.84		2.00	90.30
	10.00	11SC100-14	14H	-	3-7/8	-		17.63	6.50		3.84		2.00	102.70
12SC	7.00	12SC70	12H	12HS	2-7/8	2-1/2	10.00	12.88	5.75	2.31	2.97	2.53	1.50	88.10
	7.00	12SC70-14	14H	-	3-7/8	-		14.63	6.50		3.84		2.00	99.10
	7.75	12SC78	12H	12HS	2-7/8	2-1/2		13.63	5.75		2.97		1.50	91.90
	7.75	12SC78-14	14H	-	3-7/8	-		14.38	6.50		3.84		2.00	103.30
	10.00	12SC100-14	14H	-	3-7/8	-		17.63	6.50		3.84		2.00	115.70
13SC	7.75	13SC78	13H	13HS	3-3/8	2-1/2	11.75	14.38	6.13	2.69	3.34	2.47	1.88	129.60
14SC	7.75	14SC78	14H	-	3-7/8	-	13.88	15.38	6.50	3.25	3.84	-	2.00	179.90

(1) Ratings (HP/100, Torque, RPM) same as Type S. See page PT1-42.

(2) Check shaft hub table on next page for minimum Bore.

(3) B dimension included H hubs. Dimension will change if one or two HS (short hubs) are used.

(4) Complete coupling weight at MAX bore.

SELECTION/DIMENSIONS

D-FLEX Couplings

Type "SC" Couplings - Spacer Flange Part Numbers

BSE (in.)	Coupling Size						
	5SC	6SC	7SC	8SC	8SC-10	9SC	9SC-11
3.50	• 022000	• 022001	• 022004	• 022007	• 022775	• 022010	
4.38		• 022002	• 022005	• 022008		• 022011	
5.00		• 022003	• 022006	• 022009	• 022776	• 022012	• 022777
7.00							• 022778
7.75							• 022779

BSE (in.)	Coupling Size							
	10SC	10SC-13	11SC	11SC-14	12SC	12SC-14	13SC	14SC
4.75	• 022013		• 022015					
5.00	• 022014		• 022016					
7.00		022780		022783	• 022017	022786		
7.75		022781		022784	• 022018	022787	021997	021998
10.00		022782		022785		022788		

• Stock flanges

Spacer Shaft Hub Part Numbers

Bore (in.)	Coupling Size									
	5H	6H	7H	8H	9H	10H	11H	12H	13H	14H
Reborable Finished Bore Hubs	• 022220	• 022221	• 022222	• 022223	• 022224	• 022225	• 022226	• 022227	022228	
1/2	022329									
5/8	• 022331	022340	022353							
11/16	022332	022341	022354							
3/4	• 022333	• 022342	022355	022368						
7/8	• 022335	• 022344	• 022357	022370	022387					
15/16	022336	022345	022358	022371	022388					
1	• 022337	• 022346	• 022359	• 022372	022389					
1-1/8	• 022339	• 022348	• 022361	• 022374	022391	022409	0022452			
1-1/8 (1)					• 022392(1)	• 022410(1)	022453(1)			
1-3/16		022349	022362	022375	022393	022411	022454			
1-1/4		• 022350	022363	022376	022394	022412	022455			
1-5/16		022351	022364	022377	022395	022413	022456			
1-3/8		022352	• 022365	• 022378	• 022396	022414	022457			
1-7/16				022379	022397	022415	022458			
1-1/2			• 022366	• 022380	• 022398	022416	022459			
1-9/16				022381	022399	022417	022460			
1-5/8			• 022367	• 022382	• 022400	• 022418	022461			
1-5/8 (1)							022462(1)			
1-3/4				• 022384	• 022402	022420	022464			
1-7/8				• 022386	• 022404	• 022428	• 022466	022483		
1-15/16					022405	022429	022467	022484		
2					022406	022430	022468	022485		
2-1/8					• 022408	• 022432	• 022470	022487	022813(1)	
2-3/16						022433	022471	022488		
2-1/4						022434	022472	022489		
2-5/16						022435	022473	022490		
2-3/8						• 022436	• 022474	022491	022810	• 022815
2-3/8(1)								022492(1)	022814(1)	
2-7/16							022475	022493		
2-1/2							022476	022494		
2-5/8							022478	022496		
2-11/16							022479	022497		
2-3/4							022480	022498		
2-7/8							• 022482	022500	022811	022816
3-3/8									022812	022817
3-7/8										022818

• Stock hub assembles (1) HS (Short Hub) **Complete coupling consists of (2) shaft hubs, (2) spacer flanges, and (1) sleeve (from page PT1-39)**

PT Component Reference Guide
Couplings
Clutches and Brakes
FLEXIDYNE
Fluid Couplings
TORQUE-TAMER
Bushings

CONTENTS

FLEXIDYNE®

FEATURES/BENEFITS

FLEXIDYNE

- **Smoother, Faster Acceleration**
  - Smaller motors may be used
  - Motor starts under no load conditions
  - Smoother starts
  - Starting torque can be easily customized
- **More Efficient Design**
  - Permits use of standard NEMA Design B motors
  - High torque or high slip motors not needed
  - Reduced voltage starters not needed
  - Wound rotor motors not needed
- **More Efficient Running**
  - No slip at running speed means no wear, no heat, no power loss
- **Overload Protection**
  - Provides overload protection at overloads somewhat greater than starting torque
  - Protection devices to prevent damage to FLEXIDYNE are available
- **Low Current Draw**
  - Less than twice the nameplate amperage during both starting and overload periods
  - Many electric utilities recommend FLEXIDYNE
- **Increased Productivity**
  - Eliminates product spillage and machine damage due to harsh starts or jammed loads

FLEXIDYNE

SPECIFICATION

FLEXIDYNE is available in three designs: Drives, Couplings, and C-Flex Modules to meet most system needs. The Drive style is designed to mount directly on the motor shaft to provide an extremely compact unit for belted service. The Coupling style provides a versatile solution for transmitting torque between in-line shafts. The C-Flex Module style provides all of the benefits of regular FLEXIDYNE in a compact package that readily mounts between C-Face motors and reducers.

HOW TO ORDER

DRIVE STYLE

Specify mechanism size and bore size. Select a sheave from the selection tables found in the Modifications/Accessories section. Refer to the part number when ordering.

COUPLING STYLE

On size 5C - specify bore size. A complete coupling consists of (1) output hub and (1) mechanism.

On larger sizes - specify coupling size, and bore size. A complete coupling consists of (1) mechanism, including flexible disc, (1) Poly-Disc flange, and (2) bushings.

Type PH Couplings - specify coupling size, bore size of the driven end and the motor end. A complete coupling consists of (1) mechanism, (1) Taper-Lock or Bored-To-Size flange assembly, and (1) element.

Refer to the part numbers when ordering.

C-FLEX MODULE STYLE

Specify the C-Flex unit size and the FLEXIDYNE mechanism. Refer to the part numbers when ordering.

FLOW CHARGE

Determine the amount of flow charge to be ordered by referring to the Flow Charge tables in the Modifications/Accessories section. Choose between cast steel and stainless. Refer to the part number when ordering.

NOMENCLATURE

55 D x 3/8”

SIZE

STYLE

D - Drive
C - Coupling
CF - C-Flex

BORE SIZE

SELECTION

FLEXIDYNE

SIMPLIFIED SELECTION PROCEDURE

The tables on pages PT3-6 -PT3-7 give FLEXIDYNE mechanism size and amount of flow charge to provide starting capacities from 100-200% of motor nameplate HP of a NEMA Design B squirrel cage induction motor. This starting capacity is satisfactory for most ordinary industrial applications.

The FLEXIDYNE unit sizes shown in the simplified selection tables suggest the most economical FLEXIDYNE mechanism for a given RPM and HP. In some cases, under the same conditions, there may be other sizes of FLEXIDYNE which may be utilized.

STEP 1
Determine the approximate starting torque percentage for the application. As a guide, suggested percentages are listed in the table below.

STEP 2
Determine motor speed and HP to be used. Refer to tables on pages PT3-6 -PT3-7 based on 1760, 1175, or 875 RPM NEMA Design B motors.

STEP 3
Check maximum bore from Selection/Dimensions pages.

FLEXIDYNE Mechanism Starting Torque

Application	Range	Application	Range	Application	Range
Air Conditioning	130-175%	Cranes (Bridge Draw)	150-200%	Mixers	130-150%
Agitators	130-175%	Crushers	150-200%	Oven Drivers	150-175%
Belt Conveyors	130-150%	Dryers	130-175%	Paper Mills	
Blenders	130-175%	Fans	150-175%	Agitator	130-175%
Blowers	150-175%	Lumber Chippers	150-200%	Hydropulper	130-175%
Bucket Elevators	130-175%	Sawdust Conv.	130-175%		150-200%
Can Filling Machine	125-150%	Matl. Handling Equip.	130-150%	Drier	130-150%
Compressors	150-175%	Mills (Ball, Pebble)	150-175%	Pumps	125-150%

NOTE: Since FLEXIDYNE Drives and Couplings are selected primarily as torque limiting devices by using the starting torque percentages shown above, the use of a service factor is not necessary.

FLEXIDYNE
OTHER APPLICATIONS

The information on the previous page provides a simple method of selecting the FLEXIDYNE mechanism size when used with NEMA Design B motors under general operating conditions. Selection for any other application is based on the specific conditions and requirements of the installation. The power transmitting characteristics of the FLEXIDYNE unit vary with input speed and amount of flow charge used. A FLEXIDYNE unit can be adapted to the specific conditions and requirements of the individual application by using the proper amount of flow charge.

FLEXIDYNE units are not recommended for variable speed applications, engines or speeds below 700 RPM.

DODGE engineers welcome inquiries on FLEXIDYNE mechanism selection for applications not previously covered. It is suggested that their experience be called upon to recommend the best installation. To contact Dodge engineering please call 864-284-5700.

Please provide the following information with your request:

- Type, HP, RPM, shaft size of motor
- Type, RPM, shaft size of driven machine
- Frequency of starts, reversals, and overloads
- Time required to accelerate
- For high inertia loads, WR^2
- Starting HP and Overload Breakaway HP desired
- Functions the FLEXIDYNE unit must perform

SELECTION

DODGE®

FLEXIDYNE

SELECTION OF FLEXIDYNE MECHANISM SIZE
(BASED ON % OF STARTING TORQUE FOR NEMA DESIGN B MOTORS)

1760 RPM

Rated Motor HP	FLEXI-DYNE Mech Size	100% @ 1760 rpm			125% @ 1750 RPM			150% @ 1740 RPM			175% @ 1700 RPM			200% @ 1650 RPM		
		Start-ing HP	Flow Charge		Start-ing HP	Flow Charge		Start-ing HP	Flow Charge		Start-ing HP	Flow Charge		Start-ing HP	Flow Charge	
			Lbs.	Oz.		Lbs.	Oz.		Lbs.	Oz.		Lbs.	Oz.		Lbs.	Oz.
1/2	5D, 5C	.5	0	8	.62	0	9	.75	0	9.5	.85	0	10	.94	0	10.5
3/4	5D, 5C	.75	0	9	.94	0	10.5	1.1	0	11	1.3	0	11.5	1.4	✻	✻
1	55D, 55C	1.0	0	9	1.2	0	10	1.5	0	11	1.7	0	12	1.9	0	13
1-1/2	55D, 55C	1.5	0	10	1.9	0	12	2.2	0	13.5	2.5	0	14	2.8	0	16
2	55D, 55C	2.0	0	12	2.5	0	13.5	3.0	0	15	3.4	0	17	3.8	0	18
3	70D, 70C	3.0	1	11	3.7	1	13	4.5	1	14	5.1	2	0	5.7	2	2
5	70D, 70C	5.0	1	14	6.2	2	1	7.5	2	4	8.5	2	8	9.4	2	10
7-1/2	75D, 75	7.5	1	11	9.4	1	14	11.2	2	1	12.7	2	4	14.1	2	9
10	75D, 75C	10	1	15	12.5	2	3	14.9	2	6	17.0	2	9	18.8	2	12
15	9D, 9C	15	2	9	18.8	3	0	22.3	3	7	25.5	3	13	28.3	4	2
20	9D, 9C	20	3	2	25	3	10	30	4	0	34	4	8	38	5	3
25	11D, 11C	25	4	3	31	4	12	37	5	0	42	5	8	47	6	2
30	11D, 11C	30	4	10	37	5	0	45	5	12	51	6	3	57	6	12
40	11D, 11C	40	5	5	50	6	0	60	6	8	68	7	3	75	8	0
50	11D, 11C	50	5	13	62	6	10	74	7	6	85	8	2	94	8	11
60	15D, 15116	60	7	3	75	8	3	89	9	1	102	10	1	113	10	14
75	15D, 15116	75	8	3	94	9	3	111	10	3	127	11	0	141	12	0
100	15D, 15116	100	9	7	125	10	10	149	11	9	170	12	8	188	13	5
125	D15131 ▲	125	7	3	156	8	6	186	9	4	212	10	4	236	11	1
150	D15131 ▲	150	8	3	187	9	3	224	10	3	255	11	1	283	12	1

1175 RPM

Rated Motor HP	FLEXI-DYNE Mech Size	100% @ 1175 rpm			125% @ 1160 RPM			150% @ 1150 RPM			175% @ 1130 RPM			200% @ 1100 RPM		
		Start-ing HP	Flow Charge		Start-ing HP	Flow Charge		Start-ing HP	Flow Charge		Start-ing HP	Flow Charge		Start-ing HP	Flow Charge	
			Lbs.	Oz.		Lbs.	Oz.		Lbs.	Oz.		Lbs.	Oz.		Lbs.	Oz.
1/4	5D, 5C	.25	0	8.5	..	..	..	.46	0	10.5	..	..	..	..	..	..
1/2	55D, 55C	.5	0	11	.62	0	15	.75	0	13	.85	0	15	.94	0	16
3/4	55D, 55C	.75	0	12	.94	0	15	1.1	0	16	1.3	0	17	1.4	0	18
1	70D, 70C	1.0	1	10	1.2	1	12	1.5	1	14	1.7	2	1	1.9	2	4
1-1/2	70D, 70C	1.5	1	13	1.9	2	1	2.2	2	3	2.5	2	6	2.8	2	9
2	75D, 75C	2.0	1	10	2.5	1	13	3.0	2	0	3.4	2	2	3.8	2	6
3	75D, 75C	3.0	1	15	3.7	2	3	4.5	2	7	5.1	2	10	5.7	2	12
5	9D, 9C	5.0	2	4	6.2	2	11	7.4	3	1	8.5	3	8	9.4	3	12
7-1/2	9D, 9C	7.5	3	0	9.3	3	9	11.1	3	14	12.7	4	4	14.1	4	12
10	11D, 11C	10	5	0	12.4	5	5	14.8	5	10	17	6	3	19	7	0
15	11D, 11C	15	5	14	18	6	5	22	7	0	25	7	14	28	9	0
20	11D, 11C	20	6	8	25	7	14	30	8	4	34	8	13	38	9	10
25	15D, 15116	25	8	8	31	9	13	37	10	12	42	11	13	47	12	10
30	15D, 15116	30	9	7	37	10	10	44	11	11	51	12	9	57	13	8
40	15D, 15116	40	10	14	50	12	14	59	13	0	68	14	0	75	15	3
50	15D	50	12	0	62	13	1	74	14	2	85	15	8	..	..	..
	D15116 ▲	50	8	8	62	9	13	74	10	12	85	11	8	94	12	0
	18D	...	..	..	...	..	..	...	..	..	...	..	..	94	15	11
60	15D	60	12	11	75	14	1	89	15	6	...	..	..	...	..	..
	D15116 ▲	60	9	7	75	10	10	89	11	11	102	12	9	113	13	8
	18D	...	..	..	...	..	..	...	..	..	102	17	4	113	19	6
75	15D	75	13	14	93	15	8	...	..	..	...	..	..	...	..	..
	D15116 ▲	75	10	9	93	11	13	111	12	11	127	13	10	141	14	12
	18D	...	..	..	...	..	..	111	17	10	127	19	10	141	21	14
100	18D, 18172	100	15	12	124	18	7	148	20	9	170	22	13	189	24	13
125	18D, 18172	125	18	7	155	21	1	185	23	3	212	25	3	236	27	3
150	18D, 18172	150	20	5	186	22	15	222	25	0	254	27	0	283	29	4
200	D18172 ▲	200	15	12	249	18	10	285	20	5	340	22	13	377	24	13
250	D18172 ▲	250	18	9	312	21	0	370	23	2	424	25	3	470	27	0

✻ Use a Size 55 FLEXIDYNE unit. Fill with 11 oz. of Flow Charge for 1.5 Starting HP

▲ Flow charge is listed for one cavity. For duplex (double cavity) units, numbered with prefix "D", the amount listed is would have to be doubled.

FEATURES/BENEFITS PAGE PT3-2	SPECIFICATION PAGE PT3-3	SELECTION/DIMENSIONS PAGE PT3-8	ENGINEERING/TECHNICAL PAGE PT3-26

FLEXIDYNE

SELECTION OF FLEXIDYNE MECHANISM SIZE (BASED ON % OF STARTING TORQUE FOR NEMA DESIGN B MOTORS)

875 RPM

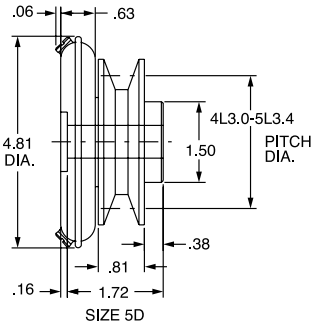
Rated Motor HP	FLEXI-DYNE Mech Size	100% @ 875 rpm			125% @ 870 RPM			150% @ 850 RPM			175% @ 840 RPM			200% @ 820 RPM		
		Start-ing HP	Flow Charge		Start-ing HP	Flow Charge		Start-ing HP	Flow Charge		Start-ing HP	Flow Charge		Start-ing HP	Flow Charge	
			Lbs.	Oz.		Lbs.	Oz.		Lbs.	Oz.		Lbs.	Oz.		Lbs.	Oz.
1/2	70D, 70C	.5	1	12	.62	1	15	.75	2	1	.85	2	4	.94	2	6
3/4	70D, 70C	.75	2	0	.94	2	3	1.1	2	6	1.3	2	8	1.4	2	12
1	75D, 75C	1.0	1	13	1.2	2	0	1.5	2	3	1.7	2	7	1.9	2	8
1-1/2	75D, 75C	1.5	2	2	1.9	2	7	2.2	2	10	2.5	2	11	2.8	2	12
2	9D, 9C	2.0	2	6	2.5	2	12	2.9	3	0	3.4	3	8	3.7	3	12
3	9D, 9C	3.0	3	0	3.7	3	8	4.4	4	0	5.0	4	6	5.6	4	14
5	11D, 11C	5.0	5	6	6.2	5	14	7.3	6	10	8.4	7	0	9.4	7	8
7-1/2	11D, 11C	7.5	6	8	9.3	7	2	10.9	8	0	12.6	8	8	14.0	9	5
10	15D, 15116	10	8	6	12.4	9	8	14.6	10	9	16.8	11	7	18.7	12	5
15	15D, 15116	15	10	5	19	11	7	22	12	8	25	13	5	28	14	6
20	15D, 15116	20	11	12	25	12	13	29	13	14	34	15	1	38	15	8
25	D15116	25	9	7	31	10	9	36	11	11	42	12	8	47	13	5
30	D15116	30	10	5	37	11	7	44	12	8	50	13	5	56	14	6
40	18D, 18172	40	15	3	50	18	0	58	20	6	67	22	8	75	24	7
50	18D, 18172	50	17	14	62	20	4	73	22	14	84	24	14	94	26	14
60	18D, 18172	60	19	13	75	22	6	87	24	15	101	26	1	112	28	12
75	D18172 ▲	75	14	8	93	17	2	109	19	11	126	21	13	141	23	12
100	D18172 ▲	100	17	14	124	20	4	146	22	14	168	24	14	187	26	14
125	D18172 ▲	125	20	2	155	22	13	182	25	7	210	27	4	234	29	4

▲ Flow charge is listed for one cavity. For duplex (double cavity) units, numbered with prefix "D", the amount listed would have to be doubled.

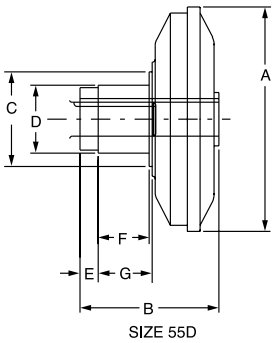
SELECTION/DIMENSIONS

FLEXIDYNE Drives

Each FLEXIDYNE, including a container of flow charge, is individually packaged. Cutout features and a cross section drawing are shown in the Modifications/ Accessories section.



SIZE 5D



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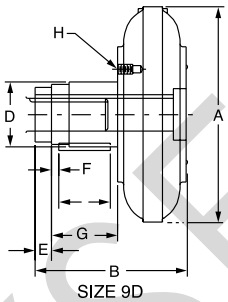
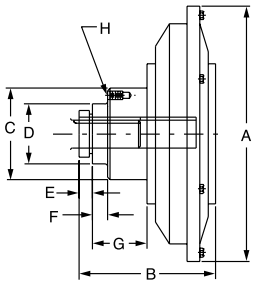


SIZE 9D



SIZES 70D/75D & 11D THRU 18D

NOTE: Drawings are for dimensional purpose only and do not necessarily represent construction

5D FLEXIDYNE Drive

Nom. Stock Bores ▲	w/Integral Sheave P.D.	Part Number	Wt. Lbs.	Keyseat	Key Req'd.
5/8	4L2.2-5L2.6	**305106**	3.4	3/16 X 3/32 X 1-11/16	3/16 X 3/16 X 1-3/8
	4L3.0-5L3.4	**305101**	2.4		
	4L3.6-5L4.0	**305102**	3.6		
3/4 (Max.)	4L3.0-5L3.4	**305103**	2.7	3/16 X 3/32 X 1-11/16	3/16 X 3/16 X 1-7/8

▲ +.0005" +.0025" over nominal. Bores not listed will be quoted on application.

DODGE®

FLEXIDYNE

55D Thru 18D FLEXIDYNE Drive

DRIVE SIZE	MAX. RPM	NOM STOCK BORES ✻	Part Number	Wt Lbs	Keyseat ♥	Key Req'd
55D	3600	5/8	**305015**	3.0	3/16 x 3/32 x 3-1/16	3/16 x 3/16 x 1-3/8
		7/8 (Max)	**305016**	2.8		
70D	3300	7/8	**305021**	9.5	3/16 x 3/32 x 3-5/16	3/16 x 3/16 x 1-3/8
		1-1/8 (Max.)	**305022**	9.7	1/4 x 1/8 x 3-5/16	1/4 x 1/4 x 1-3/4
75D		1	**305085**		1/4 x 1/8 x 4	1/4 x 1/4 x 1-3/4
		1-1/8	**305056**	10.0	1/4 x 1/8 x 4	1/4 x 1/4 x 1-3/4
		1-3/8 (Max.)	**305057**	10.2	5/16 x 3/32 x 4	5/16 x 1/4 x 2-3/8 ◆
9D	2300	1-1/8	**309070**	23.0	1/4 x 1/8 x 6	1/4 x 1/4 x 2
		1-1/4	**309071**	24.0	1/4 x 1/8 x 6	1/4 x 1/4 x 2-3/4
		1-3/8	**309072**	23.5	5/16 x 5/32 x 6	5/16 x 5/16 x 2-3/4
		1-5/8 (Max.)	**309073**	23.0	3/8 x 1/8 x 6	3/8 x 5/16 x 3-3/4
11D	2400	1-3/8	**311070**	45.0	5/16 x 5/32 x 7-5/16	5/16 x 5/16 x 2-3/4
		1-5/8	**311071**	46.0	3/8 x 3/16 x 7-5/16	3/8 x 3/8 x 3-3/4
		1-7/8 (Max.)	**311072**	45.0	1/2 x 1/8 x 7-5/16	1/2 x 3/8 x 5-1/2 ◆
11DL		2-1/8 (Max.)	**311073**	44.0	1/2 x 1/8 x 7-5/16	1/2 x 3/8 x 5-1/2 ◆
15D	1800	1-7/8	**315070**	100.0	1/2 x 1/4 x 10-3/16	1/2 x 1/2 x 5
		2-1/8	**315071**	92.0	1/2 x 1/4 x 10-3/16	1/2 x 1/2 x 5
		2-3/8 (Max.)	**315072**	96.0	5/8 x 1/8 x 10-3/16	5/8 x 7/16 x 5-1/2 ◆
18D	1500	2-7/8	**318060**	154.0	3/4 x 3/8 x 10-3/16	3/4 x 3/4 x 9-3/4
		3-3/8 (Max.)	**318065**	154.0	7/8 x 1/4 x 10-3/16	7/8 x 11/16 x 9-3/4 ◆

Size	A	B	C -.000 +.002	D	E	F	G ✻✻	H No. of Holes	H Thd's
55D	5.38	3.07	2.752	1.69	0.47	1.38	1.41	...	...
70D	8.13	3.56	3.755/3.753	2.81	0.63	0.63	1.03	4	††
75D	8.13	4.25	3.755/3.753	2.81	0.63	0.63	1.72	4	††
9D	9.50	6.75	. . . .	3.00{	0.69	0.56	3.38	4	♠
11D 11DL	11.25	8.28	5.082/5.080	3.610/3.605	0.75	2.50	4.38	4	§
15D	14.50	11.19	6.625/6.623	4.63	1.00	3.25	6.31	6	▲
18D	18.00	14.75	9.189/9.187	6.00	1.13	1.50	9.25	6	♣

Note: To facilitate order processing specify part numbers
Setscrews: One furnished over keyway, one @ 120°

✻ **All sizes:** +.0005" +.0025" over nominal. Bores not listed will be quoted on application

† Key provided

✻✻ Provide 3/32 min. clearance between sheave and FLEXIDYNE drive

◆ Key is furnished for these sizes only

♥ Keyseat begins at left end of FLEXIDYNE drive as viewed in drawings on page PT3-8

♠ 1/4-20x1/2" deep on 3-1/2" Dia. B.C. (1/4x2-1/2" Soc. Hd. Cap Screws w/1-3/8" thd., not furnished).

§ 3/8-16x1-1/8" deep on 4-3/8" Dia. B.C. (3/8x1-3/4" Soc. Hd. Cap Screws w/1-1/4" thd., furnished).

▲ 1/2-13x1-1/4" deep on 5-3/4" Dia. B.C. (1/2x2" Soc. Hd. Cap Screws w/1-1/2" thd., furnished).

♣ 1/2-13x1-5/16" deep on 8-3/16 Dia. B.C. (1/2x2-1/4" Soc. Hd. Cap Screws w/1-1/2" thd., furnished)."

†† 1/4-20x5/8" deep on 3-1/4" Dia. B.C. (1/4x1-1/4" for 70 & 1/4x1-1/4" for 75 furnished).

PT Component Reference Guide
Couplings
Clutches and Brakes
FLEXIDYNE
Fluid Couplings
TORQUE-TAMER
Bushings

SELECTION/DIMENSIONS

DODGE®

FLEXIDYNE

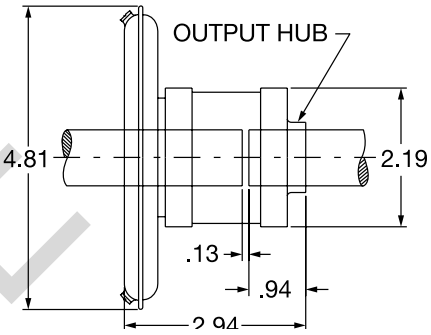
5C FLEXIDYNE COUPLING

The 5C FLEXIDYNE Coupling uses a formed steel housing and tubular flexible element. See ordering instructions in table below.

5C FLEXIDYNE Couplings

Available Bores	Keyway	Part Numbers	
		MECHANISM for Motor Shaft (Avg. Wt. 2.2 Lbs.)	OUTPUT HUB for Driven Shaft (Avg. Wt. .55 Lbs.)
1/2"	1/8 x 1/16	.....	**305120**
5/8"	3/16 x 3/32	**305115**	**305121**
3/4"	3/16 x 3/32	**305118**	**305122**
7/8"	3/16 x 3/32	**305037**	**305123**

Note: Total coupling consists of (1) output hub and (1) mechanism. Order by description x bore. To facilitate order processing, order these items by part number. Max bore of mechanism = 3/4"; output hub = 1".

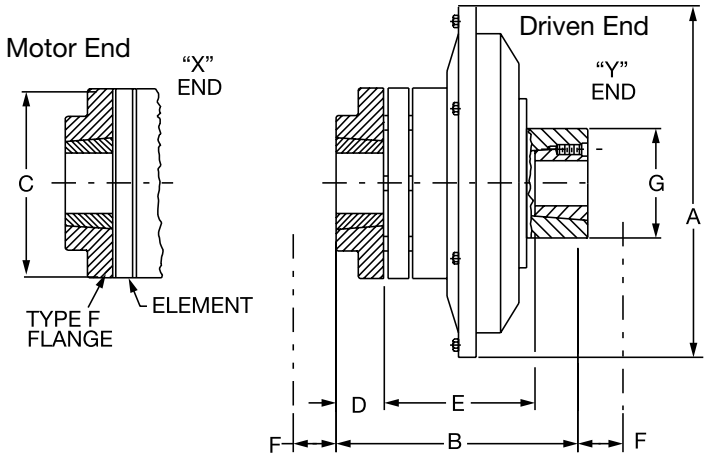


55C thru 11C FLEXIDYNE Couplings

The 55C thru 11C size FLEXIDYNE Coupling uses the same flexible disc used in DODGE POLY-DISC Couplings. The molded polyurethane disc offers longer life and smoother, quieter operation. Disc has excellent physical properties yet remains pliable to cushion shock loads and accommodate misalignment.

H and F Flanges, carried in stock, can be arranged in the position which best suits the application. In H type the bushing installs from the Hub side of the flange; in F type from the Face side.

Sufficient flow charge is furnished with each unit.



DODGE®

FLEXIDYNE

55C Thru 11C FLEXIDYNE Couplings

Cplg. Size	Bore Range of Bushing		Max. RPM	Cplg. Less Bushings	Items required for Complete Coupling †									
					Mechanism (Includes disc)		Poly-Disc Flange w/o Bush.				Bushings			
								TYPE H	TYPE F		Motor End		Driven End	
	Min.	Max.		Wt. Lbs.	Part No.	Wt. Lbs.	Size	Part No.	Part No.	Wt. Lbs.	Bush No.	Avg. Wt. Lbs.	Bush No.	Avg. Wt. Lbs.
55C	1/2	1	1800	5.0	**305019**	4.0	2-5/8	**008057**	**008058**	1.0	1008	.2	1008	.2
70C	✻	✻	1800	15.6	**305025**	13.6	4	**008041**	**008040**	2.0	1215	.7	1610	.7
75C	1/2	1-11/16	1800	18.6	**305058**	14.1	5-1/4	**008043**	**008042**	4.5	1615	1.0	1610	.7
9C	1/2	2-11/16	1800	40.6	**309074**	30.6	7	**008045**	**008044**	10.0	2517	2.8	2517	2.8
11C	1/2	2-11/16	1800	57.2	**311074**	44.2	8	**008047**	**008046**	13.0	2517	2.8	2517	2.8

Cplg Size	Replacement Poly-Disc			A	B	C	D	E ◆	F ▲	G	X End	Y End
	No.	Part Number	Weight Lbs									
55C	2-5/8	**008030**	1	5.38	3.5	2.63	0.88	1.41	0.75	2.25	Driven	Driven
70C	4	**008032**	0.2	8.13	6.06	4	★	3.56	1.06	3.63	Motor	Motor
75C	5-1/4	**008033**	0.5	8.13	6.38	5.25	★	3.889	1.06	3.63		
9C	7	**008034**	0.9	9.5	8.63	7	1.75	5.13	1.63	4.13		
11C	8	**008035**	1.5	11.25	9.63	8	1.75	6.13	1.63	4.88		

Complete coupling consists of (1) Mechanism, including flexible disc, (1) POLY-DISC Flange, and two bushings. TAPER-LOCK bushings sold separately.

† To facilitate order processing specify part numbers. Determine whether H or F Flange is required and order accordingly.

✻ Motor End: 1/2" -1-1/4" (Min./Max.); Driven End: 1/2" - 1-5/8"

◆ Normal dimension. Shaft end float which increases or decreases "E" by slight amounts is permissible.

★ 1" on driven end, 1-1/2" on motor end.

▲ Space required to loosen bushing with shortened hex key using screws as jack screws-no puller required.

Keyways-See tables below for standard keyways and shallow keyways.

Standard Keyways

Bore Range	Keyway
1/2 - 9/16 Incl.	1/8 x 1/16
over 9/16 - 7/8 Incl.	3/16 x 3/32
over 7/8 - 1-1/4 Incl.	1/4 x 1/8
over 1-1/4 - 1-3/8 Incl.	5/16 x 5/32
over 1-3/8 - 1-3/4 Incl.	3/8 x 3/16
over 1-3/4 - 2-1/4 Incl.	1/2 x 1/4
over 2-1/4 - 2-3/4 Incl.	5/8 x 5/16
over 2-3/4 - 3-1/4 Incl.	3/4 x 3/8
over 3-1/4 - 3-3/4 Incl.	7/8 x 7/16
over 3-3/4 - 4-1/2 Incl.	1 x 1/2
over 4-1/2 - 5-1/2 Incl.	1-1/4 x 5/8
over 5-1/2 - 6-1/2 Incl.	1-1/2 x 3/4

Shallow Keyways

Bush No.	Bore Range	
1008	15/16 - 1	**Note:** Key furnished for these exceptions only.
1610 1615	1-9/16 - 11-1/16	
2517	2-5/16 - 2-11/16	**Note:** Key furnished for these exceptions only.

SELECTION/DIMENSIONS

DODGE®

FLEXIDYNE

TYPE PH FLEXIDYNE COUPLINGS

This unique combination of PARA-FLEX coupling and FLEXIDYNE mechanism offers maximum protection for motors and driven machines. The FLEXIDYNE unit allows the motor to accelerate quickly and start the load smoothly while the Para-Flex coupling permits up to 1° angular misalignment, up to 1/16" parallel misalignment and 3/32" end float. Consequently, starting torque can be tailored to the driven load requirements while torsional and lateral vibration and shock loads are being absorbed or cushioned.

The driven end of the couplings uses TAPER-LOCK bushings only. However, the motor end is available as bushed or bored-to-size. Bored-to-size flanges accommodate larger shafts than possible with bushed flanges. Smaller size flanges are reversible offering the H and F position from the same flange. A choice of H or F flanges is offered for size PX140.

TAPER-LOCK Bushings

Cplg. Size	For Mechanism		For Flange Assy.	
	No	Avg. Wt Lbs.	No.	Avg. Wt. Lbs.
987	**2517**	2.8	**1610**	0.7
1196	**2517**	2.8	**2012**	1.4
15116	**3030**	7.4	**2517**	2.8
D15116	**3030**	7.4	**2517**	2.8
D15131	**3030**	7.4	**2517**	2.8
18172	**3535**	11.5	**3535**	11.5
D18172	**3535**	11.5	**3535**	11.5

Note: For Keyway information, see footnote next page

Type PH FLEXIDYNE Couplings W/ TAPER-LOCK Flanges

Cplg. Size	Cplg. Less Bush-ings ◆	Items Req'd. for Complete Coupling ▲													
		Mechanism				TAPER-LOCK FLG. ASSY							ELEMENT		
	Wt. Lbs.	Driven End Bore Range		Part No.	Wt. Lbs.	Motor End Bore Range		Size	Part Nos. for Respective Types			Wt. Lbs.	Size	Part No.	Wt. lbs.
		Min.	Max.			Min.	Max.		St'd. (Reversible)	Type H	Type F				
987	46.7	1/2	2-11/16	**309077†**	40	1/2	1-11/16	PX70	**010603**	.....	.....	5.1	PH87	**011227**	1.6
1196	65.5	1/2	2-11/16	**311077**	56	1/2	2-1/8	PX80	**010604**	.....	.....	7.4	PH96	**011228**	2.1
15116	137.5	1-5/16	3-1/4	**315073**	120	1/2	2-11/16	PX100	**010606**	.....	.....	15.0	PH116	**011230**	2.5
D15116	184.5	1-5/16	3-1/4	**315074**	167	1/2	2-11/16	PX100	**010606**	.....	.....	15.0	PH116	**011230**	2.5
D15131	175.7	1-5/16	3-1/4	**315075**	150	1/2	2-11/16	PX110	**010607**	.....	.....	21.6	PH131	**011231**	4.1
18172	314.2	1-3/16	3-15/16	**318110**	242	1-3/16	3-15/16	PX140	.....	**011134**	**011154**	64.0	PH172	**011234**	8.2
D18172	320.2	1-3/16	3-15/16	**318400**	248	1-3/16	3-15/16	PX140	.....	**011134**	**011154**	64.0	PH172	**011234**	8.2

◆ When ordering bushings, specify bore and part number.

† Assembled-to-order. Consult DODGE for delivery.

▲ To facilitate order processing specify part numbers. In sizes 18172 and D18172, determine whether H or F Flange is required and order accordingly. **Complete Coupling consists of (1) Mechanism, (1) Taper-Lock Flange Assembly, (1) Element and (2) Bushings.**

Cplg. Size	Coupling Less Bushings ◆		BBS FLANGE ASSEMBLY						
	Rgh. Bored	Fin. Bored	Size	Rough Stock Bore			Fin. Bored w St'd. K. W.		
	Wt. Lbs.	Wt. Lbs.		Min. Bore ★	Part Number	Wt. Lbs.	Motor End Bore Range ♥	Wt. Lbs. ◆	Set Screw
987	49.5	47.3	PX70BBS		**010301**	7.9	1/2 - 2-1/8	5.7	
1196	69.1	66.3	PX80BBS		**010302**	11	1/2 - 2-9/16	8.2	
15116	147.5	139.5	PX100BBS	0	**010304**	25	1/2 - 3-1/4	17	✪
D15116	194.5	186.5	PX100BBS		**010304**	25	1/2 - 3-1/4	17	
D15131	189.1	176.1	PX110BBS		**010305**	35	1/2 - 3-15/16	22	
18172	336.2	311.2	PX140BBS	2-1/4	**010530**	86	2-3/4 - 4-1/2	61	♣
D18172	342.2	317.2	PX140BBS	2-1/4	**010530**	86	2-3/4 - 4-1/2	61	

Note: Complete Coupling consists of (1) Mechanism, (1) BBS Flange Assembly, (1) Element and (1) Bushing.

♥ Bored per order-Sizes PX70 thru PX110 are furnished with a clearance fit from nominal bores (up to 2" +.000-.000. over 2" +.0015 -.0000). In PX140 size, tolerance will be applied to custom bores (up to 3" +.000 -.001. over 3" thru 6" +.0000 -.0015; over 6" +.000 -.002). Largest Bore listed should be considered as maximum.

✪ One furnished over keyway.

♣ Not furnished unless specified on order.

⁜ Standard keyway is the same as shown on page. For shallow keyway exceptions, see table at right:

NOTE: Taper-Lock bushings sold separately

◆ Approximate weight with maximum bore

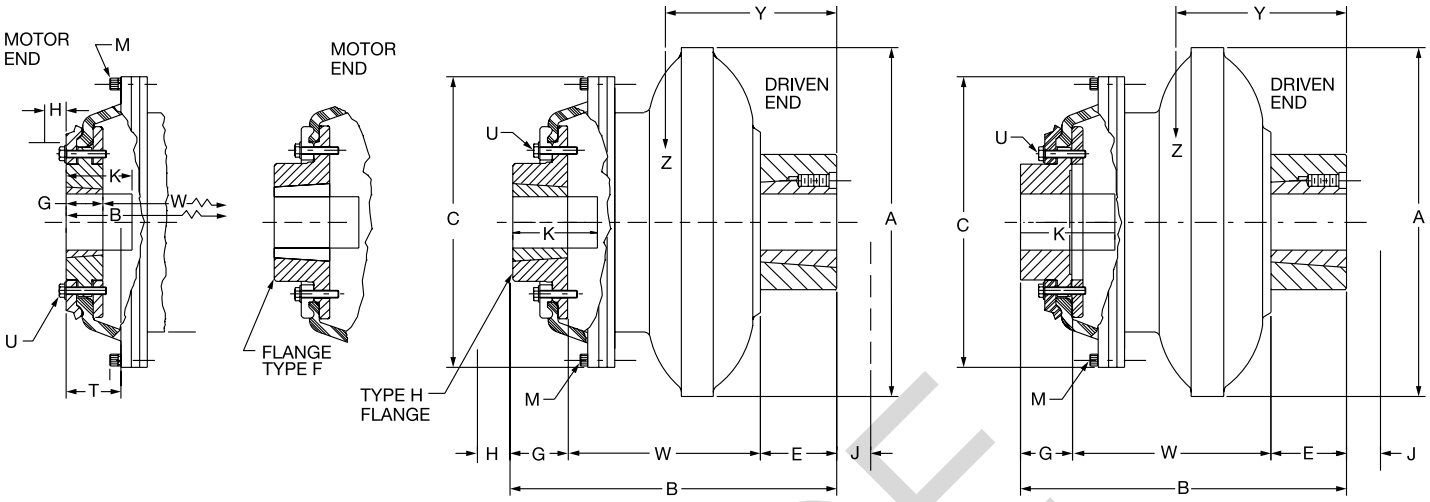
★ -.010 to -.015" no keyway

BS Flg. Size	Bore Range	Keyway	
PX70	2 - 2-1/8	1/2 x 1/8	**NOTE**-Key furnished for these exceptions only
PX80	2-3/8 - 2-9/16	5/8 x 3/16	
PX100	3-1/16 - 3-1/4	3/4 x 3/16	
PX110	3-11/16 - 3-3/4	7/8 x 1/4	
	3-13/16 - 3-15/16	1 x 1/4	

FEATURES/BENEFITS PAGE PT3-2	SPECIFICATION PAGE PT3-3	SELECTION PAGE PT3-4	ENGINEERING/TECHNICAL PAGE PT3-26

FLEXIDYNE

TYPE PH FLEXIDYNE COUPLINGS (cont.)



Coupling Size	Max. RPM	A	B		C	E ♣	G		H †	J †	K ▲		M ◆
			TAPER-LOCK Flange	Bored-to-Size Flange			TAPER-LOCK Flange	Bored-to-Size Flange			TAPER-LOCK Flange	Bored-to-Size Flange	(No.) & Size of Screws
987	1800	9.5	8.75	9.75	9.44	1.75	1	1.75	1.06	1.63	3.19	4.19	(8) 5/16-18 x 1-1/4
1196	1800	11.25	10.06	11.19	10.31	1.75	1.25	2	1.38	1.38	4.38	5.5	(6) 3/8-16 x 1-1/2
15116	1800	14.5	12.31	13.81	12.31	3	1.75	2.63	1.63	2.06	4.44	5.94	(8) 3/8-16 x 1-1/2
D15116	1800	14.5	13.88	15.31	12.31	3	1.75	2.63	1.63	2.06	4.44	5.94	(8) 3/8-16 x 1-1/2
D15131	1800	14.5	14.63	16.38	13.81	3	1.75	3	1.63	2.06	5.19	6.94	(8) 3/8-16 x 2
18172	1500	18	16.31	17.44	18.31	3.5	3.5	3.88	2.63	2.63	7.5	8.5	(8) 1/2-13 x 2
D18172	1500	18	17.81	18.94	18.31	3.5	3.5	3.88	2.63	2.63	7.31	8.5	(8) 1/2-13 x 2

Coupling Size	T		U **		W ■		X	Y ♥	Z ♠ (Lbs.)
	TAPER-LOCK Flange	Bored-to-Size Flange	No. and Size of Screws		TAPER-LOCK Flange	Bored-to-Size Flange			
			TAPER-LOCK Flange	Bored-to-Size Flange					
987	1.59	1.59	(5) 5/16-18 x 1-1/2	(5) 5/16-18 x 1-1/2	5.94	6.25	. .	3.88	43
1196	1.91	1.91	(6) 5/16-18 x 1-1/2	(6) 5/16-18 x 1-1/2	7.06	7.44	. .	4.13	66
15116	2.09	2.09	(6) 3/8-16 x 1-3/4	(6) 3/8-16 x 1-3/4	7.56	8.19	. .	5.5	107
D15116	2.09	2.09	(6) 3/8-16 x 1-3/4	(6) 3/8-16 x 1-3/4	9.13	9.69	. .	6.5	153
D15131	2.56	2.56	(6) 3/8-16 x 2	(6) 3/8-16 x 2	9.88	1.38	. .	6.5	153
18172	3.63	3	(8) 1/2-13 x 2-1/2	(8) 1/2-13 x 2-1/4	9.31	10.06	0.19	6.75	209
D18172	3.63	3	(8) 1/2-13 x 2-1/2	(8) 1/2-13 x 2-1/4	10.81	11.56	0.19	6.69	284

♣ Driven shaft should not extend into coupling beyond dimension E.
† Space required to loosen bushing with shortened hex key using screws as jackscrew no puller required
▲ Motor shaft may extend into coupling beyond dimension G but not beyond dimension K.
* Reversible flanges permit Type H or F from the same flange.
■ Normal distance between shafts. End float which increases or decreases W by slight amounts is permissible.
♥ Distance from driven end to center of gravity of driven section of coupling.
♠ Weight of driven section with maximum bore and flow charge.
◆ Socket head cap screw.
** Hex head cap screw, SAE Grade 8; Optional: Nickel plated Grade 8 screws"

Keyways-Standard Keyways are shown on page PT3-11.
For Shallow keyway exceptions see table below.

Bush No	Bore Range	
1610	1-9/16 - 1-5/8	**NOTE - Key furnished for these exceptions only. See TAPER-LOCK section for Keyway information**
2012	1-15/16 - 2-1/8	
2517	2-5/16 - 2-11/16	
3030	2-13/16 - 3-1/4	
3535	3-5/16 - 3-15/16	

SELECTION/DIMENSIONS

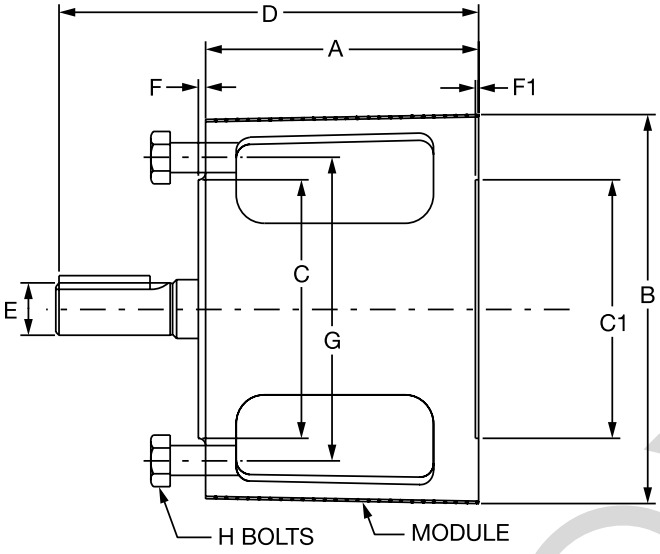
DODGE®

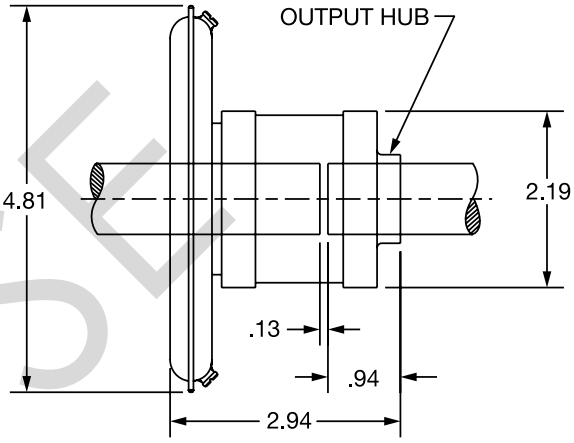
FLEXIDYNE

C-FLEX MODULE

C-Flex is a system for easily adapting stock FLEXIDYNE couplings to conventional AC motor/C-Face reducer drive combinations. The advantages of this low cost arrangement include soft start and intermittent overload protection utilizing popular NEMA-B motors and across-the-line switching. Costly reduced voltage starters or specially wound motors are not required. FLEXIDYNE unit operates bi-directionally (reversing) and allows starting of heavy inertial loads without oversized motors.

C-Flex fits all standard NEMA C-Face mountings of 56C, 140TC, 180TC and 210TC frame utilized on 1/2 thru 10 HP, 1750 ROM AC motors. The C-Flex output bearing provides support for single-bearing reducer types, but is equally suitable for reducers having two input shaft bearings.





C-Flex Modules

HP Rating @ 1750 RPM	For NEMA C-Face Frame	C-Flex Unit ▲ Model No.	C-Flex Unit ▲ Part No.	C-Flex Unit ▲ Wt. (Lbs.)	FLEXIDYNE Mechanism Size	FLEXIDYNE Mechanism Part No.	FLEXIDYNE Mechanism Wt. (Lbs.)	A	B	C Dia.	C1 Dia.	D	Nom. E. Dia.	F	F1	G Dia. B.C.	H Bolts No.	H Bolts Size
1/2 3/4 1	56C	150	**305026**	14.5	5CF x 5/8 ■	**305117**	2.2	4.75	6.63	4.500 4.497	4.501 4.503	6.69	5/8	.100 .160	0.19	5.88	4	★
1 1-1/2 2	140TC	200	**305027**	14.5	5CF x 7/8 ■	**305037**	2	4.75	6.63	4.500 4.497	4.501 4.503	6.81	7/8	.100 .160	0.19	5.88	4	★
3 5	180TC	500	**305028**	54.5	70C	**305025**	13.6	12.5	10	8.499 8.497	8.500 8.502	15.31	1-1/8	.200 .250	0.22	7.25	4	*
7-1/2 10	210TC	1000	**305029**	58.2	75C	**305058**	14.1	12.5	10	8.499 8.497	8.500 8.502	15.84	1-3/8	.200 .250	0.22	7.25	4	*

SELECTION DATA-For 1/2 thru 2 HP rating, see table below.
For 3 thru 10 HP rating, see tables on page PT3-6 and PT3-7
■ For 5C FLEXIDYNES see page PT3-10.

▲ Includes all necessary parts except mechanism.
★ 3/8 -16 x 1-1/4 Hex Hd. Cap Screw.
* 1/2 -13 x 1-1/2 Soc. Hd. Cap Screw.

Selection Of 5CF FLEXIDYNE Mechanism Used In C-Flex Module

Rated Motor HP	100% @ 1760 RPM Starting HP	100% @ 1760 RPM Flow Charge Lbs.	100% @ 1760 RPM Flow Charge Oz.	125% @ 1750 RPM Starting HP	125% @ 1750 RPM Flow Charge Lbs.	125% @ 1750 RPM Flow Charge Oz.	150% @ 1740 RPM Starting HP	150% @ 1740 RPM Flow Charge Lbs.	150% @ 1740 RPM Flow Charge Oz.	175% @ 1700 RPM Starting HP	175% @ 1700 RPM Flow Charge Lbs.	175% @ 1700 RPM Flow Charge Oz.	200% @ 1650 RPM Starting HP	200% @ 1650 RPM Flow Charge Lbs.	200% @ 1650 RPM Flow Charge Oz.
1/2	.50	0	4	.62	0	5	.75	0	5	.85	0	6	.94	0	7
3/4	.75	0	5	1.00	0	6	1.10	0	6	1.30	0	7	1.40	0	8
1	1.00	0	6	1.20	0	7	1.50	0	7	1.70	0	8	1.90	0	9
1-1/2	1.50	0	7	1.90	0	8	2.20	0	8	2.50	0	9	2.80	0	10
2	2.00	0	8	2.50	0	9	3.00	0	9	3.40	0	10	3.60	0	11

FLEXIDYNE

FLEXIDYNE Flow Charge

Cast steel flow charge is furnished unless otherwise specified. Sufficient amounts for all applications are furnished and included in the price of each FLEXIDYNE unit. The part numbers listed here apply only when extra flow charge is ordered or the application requires stainless steel flow charge.

Flow charge is packaged in a tough transparent plastic bottle which is graduated and has a handy pour spout. This makes handling of flow charge easy whether pouring into the unit or removing flow charge if a change in torque is desired.

Stainless steel flow charge is recommended for applications subject to excessive moisture, humidity or wide temperature variations that may cause internal condensation. It may be ordered to replace that in an existing unit or in place of the cast steel flow charge when ordering a FLEXIDYNE unit.

Sizes 5, 5CF, and 55 FLEXIDYNE mechanisms use SAE S110 (.0234, maximum diameter) steel shot. In sizes 70 and up, SAE S170 (.0331" maximum diameter) steel shot is used.

Flow Charge for Individual FLEXIDYNE Mechanism Applications

FLEXIDYNE Mech. Size ▲	Cast Steel		Stainless Steel	
	Part No.	Wt.	Part No.	Wt.
5, 5CF	**311124**	1 lb.-2 oz.	**311116**	11 oz.
55, 6*	**311124**	1 lb.-2 oz.	**311122**	1 lb. - 2oz.
7*	**311125**	3 lb.-5 oz.	**311118**	1 lb. -14 oz.
8*	**311125**	3 lb.-5 oz.	**311119**	3 lb. -5 oz.
70, 75"	**311125**	3 lb.-5 oz.	**311123**	2 lb. -13 oz.
9	**309111**	5 lb.-3 oz.	**311120**	5 lb. -3 oz.
11	**311111**	10 lb.	**311121**	10 lb.
15	**315111**	20 lb.	**(2) 311121**	20 lb.
D15, 18	**(1) 315111** **(1) 311111**	30 lb.	**(3) 311121**	30 lb.
D18	**(3) 315111**	60 lb.	**(2) 311113** **(1) 311121**	60 lb.

▲ Units with "D" prefix have duplex cavities.

* Old style FLEXIDYNE sizes.

Bulk FLEXIDYNE Flow Charge Size 70 and Up

Wt. (Lbs.)	Cast Steel Part No.	Stainless Part No.
15	.....	**311112**
20	**315111**	.....
25	.....	**311113**

MODIFICATIONS/ ACCESSORIES

DODGE®

FLEXIDYNE

Stock Sheaves For FLEXIDYNE Drives (Refer To Information On Page PT3-18)

For FLEXIDYNE Size	Fig. No. (page PT3-18)	No. of Grvs.	Datum Dia. Using A Belts ★	Datum Dia. Using B Belts ★	Datum Dia. Using C Belts ★	Outside Dia. Using 3V Belts	Outside Dia. Using 5V Belts	Bolt-On Part No.	TAPER LOCK Part No.	QD Part No.	Wt. (Lbs) ▲	See Drwg's on Page PT3-18 E	F	L	M
5D	Sheaves are integral - included in price & wt. of assembled unit														
55D	1 or 2	1	. . .	. . .	. . .	3.35	. . .	. . .	112175	. . . . .	1.1	. . . .	0.69	. . . .	0.31
		1	. . .	. . .	. . .	3.65	. . .	. . .	112176	455108	1.5	0.56	0.69	. . . .	0.31
		1	. . .	. . .	. . .	4.12	. . .	. . .	112177	144109	2.2	0.56	0.69	. . . .	0.31
		1	. . .	. . .	. . .	4.5	. . .	. . .	112178	144110	2.4	0.56	0.69	. . . .	0.31
		1	. . .	. . .	. . .	5.0	. . .	. . .	112180	455112	2.9	0.56	0.69	. . . .	0.31
		1	. . .	. . .	. . .	5.3	. . .	. . .	112181	455113	3.4	0.56	0.69	. . . .	0.31
		1	. . .	. . .	. . .	5.6	. . .	. . .	112182	455114	3.8	0.56	0.69	. . . .	0.31
		1	. . .	. . .	. . .	6.0	. . .	. . .	112183	455115	4.1	0.56	0.69	. . . .	0.31
		1	. . .	. . .	. . .	6.5	. . .	. . .	112184	455116	4.5	0.56	0.69	. . . .	0.31
		1	. . .	. . .	. . .	6.9	. . .	. . .	112185	455117	5.1	0.56	0.69	. . . .	0.31
	1 or 2	1	3.0	3.4 ■	. . .	. . .	. . .	. . .	. . . . .	118283	1.2	0.50	0.88	0.00	. . . .
		1	3.2	3.6 ■	. . .	. . .	. . .	. . .	. . . . .	118284	1.3	0.50	0.88	0.00	0.00
		1	3.4	3.8 ■	. . .	. . .	. . .	. . .	118301	118285	1.6	0.50	0.88	0.00	0.00
		1	3.6	4.0 ■	. . .	. . .	. . .	. . .	118302	118286	1.8	0.25	0.88	0.19	0.00
		1	3.8	4.2 ■	. . .	. . .	. . .	. . .	118194	455550	2.2	0.25	0.88	0.19	0.13
		1	4.0	4.4 ■	. . .	. . .	. . .	. . .	118195	455551	2.6	0.25	0.88	0.19	0.13
		1	4.2	4.6	. . .	. . .	. . .	. . .	118196	. . . . .	2.1	. . . .	0.88	. . . .	0.13
		1	4.4	4.8	. . .	. . .	. . .	. . .	118197	. . . . .	2.4	. . . .	0.88	. . . .	0.13
		1	4.6	5.0	. . .	. . .	. . .	. . .	118198	. . . . .	3.6	. . . .	0.88	. . . .	0.13
		1	4.8	5.2	. . .	. . .	. . .	. . .	118199	. . . . .	3.8	. . . .	0.88	. . . .	0.13
		1	5.0	5.4	. . .	. . .	. . .	. . .	118200	. . .	3.1	. . . . .	0.88	. . . .	0.13
		1	5.2	5.6	. . .	. . .	. . .	. . .	118201	. . .	4.3	. . . . .	0.88	. . . .	0.13
		1	5.4	5.8	. . .	. . .	. . .	. . .	118202	. . .	4.1	. . . . .	0.88	. . . .	0.13
		1	5.6	6.0	. . .	. . .	. . .	. . .	118203	. . .	4.1	. . . . .	0.88	. . . .	0.13
		1	5.8	6.2	. . .	. . .	. . .	. . .	118204	. . .	4.3	. . .	0.88	. . . .	0.13
		1	6.0	6.4	. . .	. . .	. . .	. . .	118205	. . .	4.1	. . . . .	0.88	. . . .	0.13
		1	6.2	6.6	. . .	. . .	. . .	. . .	118206	. . .	4.9	. . . . .	0.88	. . . .	0.13
		1	6.4	6.8	. . .				118207		4.8	. . .	0.88	. . . .	0.13
70D	4	1	. . .	. . .	. . .	4.75	. . .	112250	. . .	. . .	2.2	0.13	0.69	0.44	0.13
		1	. . .	. . .	. . .	5.0	. . .	112251	. . .	. . .	2.5	0.13	0.69	0.44	0.13
		1	. . .	. . .	. . .	5.3	. . .	112252	. . .	. . .	3.1	0.13	0.69	0.44	0.13
		1	. . .	. . .	. . .	5.6	. . .	112253	. . .	. . .	3.3	0.13	0.69	0.44	0.13
		1	. . .	. . .	. . .	6.0	. . .	112254	. . .	. . .	3.8	0.00	0.69	0.56	0.13
		1	. . .	. . .	. . .	6.5	. . .	112255	. . .	. . .	4.6	0.00	0.69	0.56	0.13
		1	. . .	. . .	. . .	6.9	. . .	112256	. . .	. . .	5.4	0.00	0.69	0.56	0.13
	4	1	4.8	5.2	. . .	. . .	. . .	118275	. . .	. . .	2.7	0.19	0.88	0.44	0.25
		1	5.0	5.4	. . .	. . .	. . .	118276	. . .	. . .	3.2	0.19	0.88	0.44	0.25
		1	5.2	5.6	. . .	. . .	. . .	118277	. . .	. . .	3.7	0.19	0.88	0.44	0.25
		1	5.6	6.0	. . .	. . .	. . .	118278	. . .	. . .	4.5	0.19	0.88	0.44	0.25
		1	6.0	6.4	. . .	. . .	. . .	118279	. . .	. . .	5.3	0.28	0.88	0.22	0.38
		1	6.4	6.8	. . .	. . .	. . .	118280	. . .	. . .	6.2	0.28	0.88	0.22	0.38
		1	7.0 ◆	7.4◆	. . .	. . .	. . .	118281	. . .	. . .	10.9	0.25	1.00	0.50	0.25

★ Composite groove to accommodate either A or B belts

† These sizes also fit 70D

◆ Made to order sheaves, price on application

▲ Use "B" Dyna-Cog Belt, not standard "B"

■ Weight does not include bushing. Order from page PT3-18

DODGE®

FLEXIDYNE

Stock Sheaves For FLEXIDYNE Drives (Refer To Information On Page PT3-18)

For FLEXIDYNE Size	Drwg. Ref Fig. No.	No. of Grvs.	Datum Dia. Using A Belts ★	Datum Dia. Using B Belts ★	Datum Dia. Using C Belts ★	Outside Dia. Using 3V Belts	Outside Dia. Using 5V Belts	Bolt-On Part No.	TAPER LOCK Part No.	QD Part No.	Wt. (Lbs) ▲	See Drwg's on Page PT3-18 E	F	L	M
75D	4	2	...	...	...	4.75	...	112265	...	...	2.2	0.13	1.09	0.69	0.28
		2	...	...	...	5.0†	...	112266	...	...	2.7	0.13	1.09	0.69	0.28
		2	...	...	...	5.3	...	112267	...	...	3.6	0.13	1.09	0.69	0.28
		2	...	...	...	5.6†	...	112268	...	...	4.0	0.13	1.09	0.69	0.28
		2	...	...	...	6.0†	...	112269	...	...	4.9	0.00	1.09	0.81	0.28
		2	...	...	...	6.5	...	112270	...	...	6.1	0.00	1.09	0.81	0.28
		2	...	...	...	6.9	...	112271	...	...	7.5	0.00	1.09	0.81	0.28
	4	2	4.8	5.2	...	...	...	118290	...	...	4.6	0.06	1.75	0.75	0.94
		2	5.0	5.4	...	...	...	118291	...	...	5.5	0.06	1.75	0.75	0.94
		2	5.2	5.6	...	...	...	118292	...	...	6.5	0.06	1.75	0.75	0.94
		2	5.6	6.0	...	...	...	118293	...	...	7.0	0.06	1.75	0.75	0.94
		2	6.0	6.4	...	...	...	118294	...	...	7.9	0.06	1.75	0.75	0.94
		2	6.4	6.8	...	...	...	118295	...	...	8.9	0.06	1.75	0.75	0.94
		2	7.0◆	7.4◆	...	...	...	118296	...	...	13.3	0.00	1.75	0.81	0.94
9D	3	4	...	...	...	4.75	...	310077	...	...	4.5	0.00	1.91	2.13	0.22
		4	...	...	...	5.3	...	310078	...	...	5.6	0.00	1.91	2.13	0.22
		4	...	...	...	6.0	...	310079	...	...	8.6	0.00	1.91	2.13	0.22
	3	4	5.6	6.0	...	...	...	310060	...	...	13.2	1.25	3.25	2.25	0.25
		4	6.0	6.4	...	...	...	310061	...	...	15.0	1.25	3.25	2.25	0.25
		5	5.0	5.4	...	...	...	310062	...	...	11.4	2.00	4.00	2.25	0.25
		5	5.2	5.6	...	...	...	310063	...	...	12.3	2.00	4.00	2.25	0.25
11D, 11DL	4	3	...	...	...	....	7.5	310082	...	...	10.7	0.63	2.38	0.75	1.00
		5	...	...		6.5	....	310080	...	...	7.6	0.56	2.31	0.75	1.00
		5	...	...		6.9	....	310081	...	...	8.7	0.56	2.31	0.75	1.00
	4	5	6.2	6.6	...	...	...	310064	...	...	13.7	1.63	4.00	0.75	1.63
		5	6.4	6.8	...	...	...	310065	...	...	14.0	1.63	4.00	0.75	1.63
		5	7.0	7.4	...	...	...	310066	...	...	18.0	1.63	4.00	0.75	1.63
		5	8.2	8.6	...	...	...	310067	...	...	23.0	1.63	4.00	0.75	1.63
15D	4	4	...	...	...	...	9.75	310085	...	...	19.8	0.56	3.06	0.75	1.75
		5	...	...	...	...	8.5	310083	...	...	16.4	1.25	3.75	0.75	1.75
		5	...	...	...	...	9.0	310084	...	...	18.6	1.25	3.75	0.75	1.75
	4	5	...	...	10.5	...	...	310068	...	...	37.0	2.75	5.38	0.75	1.88
		6	...	...	9.0	...	...	310069	...	...	31.0	2.75	6.38	0.75	2.88
		6	...	...	9.5	...	...	310070	...	...	33.8	2.75	6.38	0.75	2.88
		6	...	...	10.0	...	...	310071	...	...	40.0	2.75	6.38	0.75	2.88
18D	Not Stocked, See Made-To-Order Sheaves on Next Page														

★ Composite groove to accommodate either A or B belts.

† These sizes also fit 70D.

◆ Made to order sheaves, price on application.

▲ Weight does not include bushing. Order from next page.

MODIFICATIONS/ ACCESSORIES

DODGE®

FLEXIDYNE

The tables on the previous pages list stock sheaves available for use on FLEXIDYNE Drives from size 55D thru 15D. The size 5D uses integral sheaves which are shown on page PT3-8. The 18D sheaves are made-to-order.

Avoid the use of bored-to-size sheaves which use setscrews which may distort sleeve or damage bearings. Order sheaves by part number listed in tables on previous pages PT3-16 - PT3-17. Refer to V-Drive tables on Pages PT3-18 - PT3-24. Information on made-to-order sheaves is shown below

FLEXIDYNE Sheave Bushings

Dwg. Ref.	Bush. Type	Part Number	Wt. (Lbs.)	Size
Fig. 1	QD	* 120580	.6	SH x 1-11/16
Fig. 2	TAPER-LOCK	* 117071	.5	1610 x 1-11/16

* These bushings used with 55D FLEXIDYNE. Must be used without key

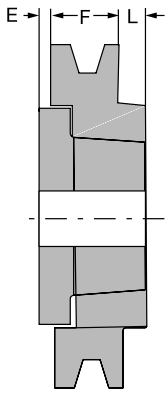


FIG. 1

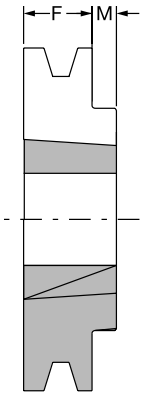


FIG. 2

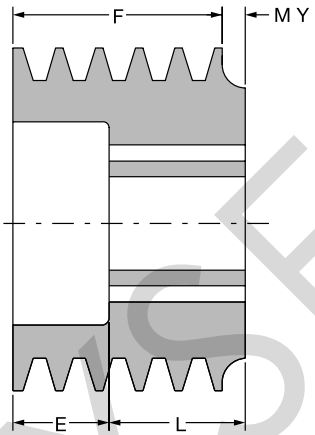


FIG. 3

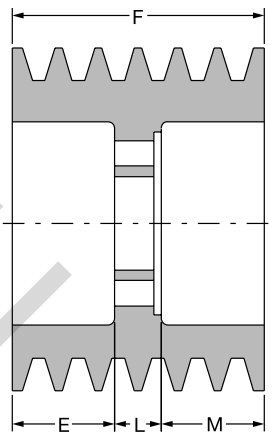


FIG. 4

▲ Locate right side of M dimension shown here @ right end of G dimension as shown in drawing for size 9D on page PT3-8

Made-To-Order FLEXIDYNE Sheaves

For FLEXI-DYNE Mech. Size	Separate Sheaves				
	Max. No. Grvs	Belt Size	Min. Dia.* TAPER-LOCK	QD	Bolt-On
55D	1	3V	3.85	. . .	. . .
		A	3.8	3.0	. . .
		B	4.2	3.4	. . .
70D	1	3V	. . .	. . .	5.3
		A	. . .	. . .	4.8
		B	. . .	. . .	5.2
75D	2	3V	. . .	. . .	5.3
		A	. . .	. . .	4.8
		B	. . .	. . .	5.2
9D	7	3V	6.4	. . .	4.75★
	6	B	6.6	. . .	5.4◆
11D, 11DL	10	3V	. . .	. . .	6.6
	6	5V	. . .	. . .	7.5
	7	B	. . .	. . .	6.7
15D	15	3V	. . .	. . .	8.0
	9	5V	. . .	. . .	9.0
	9	B	. . .	. . .	8.0
	7	C	. . .	. . .	8.5
18D	13	5V	. . .	. . .	11.8
	10	C	. . .	. . .	11.0

* For 3V, 5V groove sheaves outside diameter is shown. For A, B and C groove sheaves, pitch diameter is shown."

★ TAPER-LOCK furnished for 6.4 and larger O.D.

◆ TAPER-LOCK furnished for 6.6 and larger P.D.

Stock FLEXIDYNE sheaves should be used whenever possible. However Made-to-Order sheaves which conform to diameter and groove limitations listed in table at left, can be furnished. Consult DODGE if sheave required does not fall within these limits.

Made-to-order sheaves will be priced on application. Consult DODGE for price and delivery. The following should be included with your inquiry:

1. Style of Sheave (Bolt-on, Integral, TAPER-LOCK, etc.)
2. No. of Grooves.
3. Belt Size.
4. Sheave Dia. (State whether O.D. or P.D.)
5. Quantity Req'd.

DODGE®

FLEXIDYNE
DS
These are typical drives for average service conditions

Driven by 1750 RPM Motors					Driven by 1750 RPM Motors				
Driven RPM	V-Belt Drive Ratio	Sheave Driver ▲	Sheave Driven *	Quan. & Belt Size ◆	Driven RPM	V-Belt Drive Ratio	Sheave Driver ▲	Sheave Driven *	Quan. & Belt Size ◆
2250	1.29	3.6	AK30H	1-4L	1122	1.56	3.6	5.6	**
2122	1.22	3.4	AK30H	1-4L	1117	1.57	3.0	AK51H	1-4L
2100	1.20	3.6	AK32H	1-4L	1105	1.58	3.6	AK61H	1-4L
1970	1.13	3.6	AK34H	1-4L	1048	1.67	3.0	AK54H	1-4L
1970	1.13	3.4	AK32H	1-4L	1012	1.73	3.0	AK56H	1-4L
1875	1.07	3.0	AK30H	1-4L	1008	1.74	3.4	BK65H	1-5L
1850	1.06	3.6	3.4	**	983	1.78	3.6	6.4	**
1850	1.06	3.4	AK34H	1-4L	955	1.83	3.0	AK59H	1-4L
1750	1.00	3.0	AK32H	1-4L	936	1.87	3.0	5.6	**
1707	1.03	4.0	BK47H	1-5L	930	1.88	3.4	BK70H	1-5L
1703	1.03	3.6	AK41H	1-4L	921	1.90	3.0	AK61H	1-4L
1651	1.06	3.6	3.8	**	900	1.94	3.6	AK74H	1-4L
1651	1.06	3.4	BK40H	1-5L	875	2.00	3.0	AK64H	1-4L
1640	1.07	3.0	AK34H	1-4L	833	2.10	4.0	BK90H	1-5L
1577	1.11	3.6	AK44H	1-4L	804	2.18	3.4	BK80H	1-5L
1572	1.11	4.0	BK50H	1-5L	788	2.22	3.6	AK84H	1-4L
1615	1.08	3.6	BK45H	1-5L	768	2.28	3.6	8.2	**
1544	1.13	3.0	3.4	**	751	2.33	3.0	AK74H	1-4L
1525	1.15	3.4	BK45H	1-5L	708	2.47	3.4	BK90H	1-5L
1496	1.17	3.6	AK46H	1-4L	700	2.50	3.6	AK94H	1-4L
1522	1.15	4.0	BK52H	1-5L	673	2.60	4.0	BK110H	1-5L
1458	1.20	3.0	3.6	**	656	2.67	3.0	AK84H	1-4L
1451	1.21	3.4	BK47H	1-5L	641	2.73	3.0	8.2	**
1429	1.23	4.0	BK55H	1-5L	630	2.78	3.6	AK104H	1-4L
1400	1.25	3.6	AK49H	1-4L	614	2.85	4.0	BK120H	1-5L
1423	1.23	3.0	AK41H	1-4L	595	2.94	3.6	10.6	**
1378	1.27	3.0	3.8	**	583	3.00	3.0	AK94H	1-4L
1376	1.28	3.6	4.6	**	572	3.06	3.4	BK110H	1-5L
1372	1.28	4.0	BK57H	1-5L	525	3.33	3.0	AK104H	1-4L
1316	1.33	3.6	4.8	**	496	3.53	3.0	10.6	**
1340	1.31	3.6	AK51H	1-4L	455	3.85	4.0	BK160H	1-5L
1313	1.33	3.0	AK44H	1-4L	450	3.89	3.6	AK144H	1-4L
1296	1.35	4.0	BK60H	1-5L	444	3.94	3.4	BK140H	1-5L
1293	1.35	3.4	BK52H	1-5L	438	4.00	3.0	AK124H	1-4L
1259	1.39	3.6	AK54H	1-4L	420	4.17	3.6	AK154H	1-4L
1250	1.40	3.0	AK46H	1-4L	386	4.53	3.4	BK160H	1-5L
1215	1.44	3.6	AK56H	1-4L	375	4.67	3.0	AK144H	1-4L
1214	1.44	3.4	BK55H	1-5L	350	5.00	3.0	AK154H	1-4L
1186	1.48	4.0	BK65H	1-5L	323	5.41	3.4	BK190H	1-5L
1167	1.50	3.0	AK49H	1-4L	292	6.00	3.0	AK184H	1-4L
1167	1.50	3.4	BK57H	1-5L					
1145	1.58	3.6	AK59H	1-4L					

** Use one belt, either A or 4L.

▲ Pitch diameter of integral sheaves supplied with stock 5D-FLEXIDYNE.

◆ "A" Belts may be used in place of 4L belts on 3.0 P.D. sheaves or larger.
"AX" Belts may be used in place of 4L belts on 2.2 P.D. sheaves or larger.
"B" Belts are not recommended in place of 5L belts.
"BX" Belts may be used in place of 5L belts on 4.0 P.D. sheaves or larger.

* All Sheaves are DODGE stock sheaves. Size numbers are shown for FHP 4L and 5L sheaves; datum diameters for Dual Duty sheaves.

MODIFICATIONS/ ACCESSORIES

DODGE®

FLEXIDYNE

V-Belt Drives For 55D FLEXIDYNE Drives

These are typical drives for average service conditions

Driven by 1750 RPM Motors					Driven by 1750 RPM Motors				
Driven RPM	V-Belt Drive Ratio	Diameter ★ Driver *	Diameter ★ Driven ♠	Quan. & Belt Size ◆	Driven RPM	V-Belt Drive Ratio	Diameter ★ Driver *	Diameter ★ Driven ♠	Quan. & Belt Size ◆
1750	1.00	3.6	3.6	1-A	1160	1.00	3.0	3.0	1-A
1750	1.00	3.4	3.4	1-3V	1160	1.00	3.4	3.4	1-3V
1670	1.05	4.2	4.4	1-A	1112	1.04	4.6	4.8	1-B
1657	1.06	4.5	4.8	1-3V	1098	1.06	4.5	4.8	1-3V
1598	1.10	4.2	4.6	1-A	1059	1.10	4.2	4.6	1-A
1573	1.11	4.5	5.0	1-3V	1061	1.09	4.1	4.5	1-3V
1522	1.15	4.0	4.6	1-A	1036	1.12	5.0	5.6	1-B
1515	1.15	4.1	4.8	1-3V	1026	1.13	3.7	4.1	1-3V
1483	1.18	4.5	5.3	1-3V	1005	1.15	4.1	4.8	1-3V
1470	1.19	4.2	5.0	1-A	1002	1.16	3.8	4.4	1-A
1439	1.22	4.1	5.0	1-3V	958	1.21	3.8	4.6	1-A
1411	1.24	5.0	6.2	1-B	954	1.22	4.1	5.0	1-3V
1403	1.25	4.5	5.6	1-3V	928	1.25	3.2	4.0	1-A
1357	1.29	4.1	5.3	1-3V	930	1.25	4.5	5.6	1-3V
1342	1.30	4.6	6.0	1-B	899	1.29	4.1	5.3	1-3V
1309	1.34	4.5	6.0	1-3V	892	1.30	4.0	5.2	1-A
1298	1.35	4.6	6.2	1-B	868	1.34	4.5	6.0	1-3V
1273	1.37	3.7	5.0	1-3V	859	1.35	4.0	5.4	1-A
1250	1.40	4.0	5.6	1-A	844	1.37	3.7	5.0	1-3V
1229	1.42	3.4	4.8	1-3V	840	1.38	4.2	5.8	1-A
1207	1.45	4.0	5.8	1-A	816	1.42	3.8	5.4	1-A
1197	1.46	4.1	6.0	1-3V	814	1.42	3.4	4.8	1-3V
1182	1.48	5.0	7.4	1-B	800	1.45	4.5	6.5	1-3V
1167	1.50	3.4	5.0	1-3V	791	1.47	3.0	4.4	1-A
1135	1.54	3.7	5.6	1-3V	773	1.50	3.2	4.8	1-A
1129	1.55	4.0	6.2	1-A	773	1.50	3.4	5.0	1-3V
1100	1.59	3.4	5.3	1-3V	757	1.53	3.0	4.6	1-A
1094	1.60	4.0	6.4	1-A	754	1.54	4.5	6.9	1-3V
1073	1.63	3.8	6.2	1-A	746	1.56	3.6	5.6	1-A
1059	1.65	3.7	6.0	1-3V	730	1.59	3.4	5.4	1-A
1041	1.68	3.4	5.6	1-3V	729	1.59	3.4	5.3	1-3V
1026	1.71	3.4	5.8	1-A	711	1.63	3.8	6.2	1-A
1000	1.75	4.0	7.0	1-A	702	1.65	3.7	6.0	1-3V
980	1.79	4.5	8.0	1-3V	696	1.67	3.0	5.0	1-A
960	1.82	3.4	6.2	1-A	690	1.68	3.4	5.6	1-3V
936	1.87	4.6	8.6	1-B	680	1.71	3.4	5.8	1-A
920	1.90	3.7	6.9	1-3V	649	1.79	4.5	8.0	1-3V
900	1.94	3.6	7.0	1-A	644	1.80	3.0	5.4	1-A
895	1.95	3.4	6.5	1-3V	616	1.88	3.4	6.4	1-A
850	2.06	3.4	7.0	1-A	610	1.90	3.7	6.9	1-3V
843	2.08	3.4	6.9	1-3V	593	1.95	3.4	6.5	1-3V
795	2.20	5.0	11.0	1-B	580	2.00	3.0	6.0	1-A
792	2.21	3.7	8.0	1-3V	559	2.08	3.4	6.9	1-3V
759	2.30	4.6	10.6	1-A	544	2.13	3.0	6.4	1-A
726	2.41	3.4	8.2	1-A	527	2.20	5.0	11.0	1-B
726	2.41	3.4	8.0	1-3V	525	2.21	3.7	8.0	1-3V
693	2.52	4.2	10.6	1-A	503	2.30	4.6	10.6	1-A
675	2.59	4.1	10.6	1-3V	489	2.37	4.5	10.6	1-3V
671	2.61	4.6	12.0	1-A	481	2.41	3.4	8.2	1-A
627	2.79	3.8	10.6	1-A	482	2.41	3.4	8.0	1-3V
597	2.93	3.7	10.6	1-3V	448	2.59	4.1	10.6	1-3V
583	3.00	4.0	12.0	1-A	445	2.61	4.6	12.0	1-A
558	3.13	4.5	14.0	1-3V	406	2.86	4.2	12.0	1-A
537	3.26	4.6	15.0	1-A	396	2.93	3.7	10.6	1-3V
511	3.43	4.1	14.0	1-3V	372	3.12	3.4	10.6	1-A
496	3.53	3.4	12.0	1-A	370	3.13	4.5	14.0	1-3V
476	3.68	5.0	18.4	1-B	346	3.35	4.6	15.4	1-B
452	3.87	3.7	14.0	1-3V	338	3.43	4.1	14.0	1-3V
443	3.95	3.8	15.0	1-A	309	3.75	3.2	12.0	1-A
420	4.17	3.6	15.0	1-A	299	3.87	3.7	14.0	1-3V
411	4.26	4.5	19.0	1-3V	278	4.17	3.6	15.0	1-A
397	4.41	3.4	15.0	1-A	274	4.23	3.4	14.0	1-3V
376	4.66	4.1	19.0	1-3V	258	4.50	4.0	18.0	1-A
369	4.74	3.8	18.0	1-A	249	4.66	4.1	19.0	1-3V
350	5.00	3.6	18.0	1-A	219	5.29	3.4	18.0	1-A
331	5.29	3.4	18.0	1-A	220	5.26	3.7	19.0	1-3V
332	5.26	3.7	19.0	1-3V	202	5.74	3.4	19.0	1-3V
305	5.74	3.4	19.0	1-3V	193	6.00	3.0	18.0	1-A

* Stock FLEXIDYNE sheaves listed on page PT3-16 - PT3-17.

* Stock TAPER-LOCK sheaves in V-drives section.

★ Outside diameter of 3V DYNA-V sheaves. Datum diameter of A and B sheaves. All ratios are based on P.D. for DYNA-V Sheaves and Datum diameter for A and B Sheaves.

FEATURES/BENEFITS PAGE PT3-2	SPECIFICATION PAGE PT3-3	SELECTION PAGE PT3-4	ENGINEERING/TECHNICAL PAGE PT3-26

DODGE®

FLEXIDYNE

V-Belts Drive For 70D FLEXIDYNE Drives

These are typical drives for average service conditions

Driven by 1750 RPM Motors					Driven by 1750 RPM Motors				
Driven RPM	V-Belt Drive Ratio	Diameter ★ Driver *	Diameter ★ Driven ♠	Quan. & Belt Size ◆	Driven RPM	V-Belt Drive Ratio	Diameter ★ Driver *	Diameter ★ Driven ♠	Quan. & Belt Size ◆
1750	1.00	5.6	5.6	1-B	1160	1.00	4.8	4.8	1-A
1694	1.03	6.0	6.2	1-B	1123	1.03	6.0	6.2	1-B
1690	1.04	5.6	5.8	1-B	1119	1.04	5.4	5.6	1-B
1641	1.07	6.0	6.4	1-B	1094	1.06	5.0	5.3	1-3V
1633	1.07	5.6	6.0	1-B	1083	1.07	5.6	6.0	1-B
1632	1.07	5.6	6.0	1-3V	1082	1.07	5.6	6.0	1-3V
1614	1.08	6.0	6.5	1-3V	1070	1.08	6.0	6.5	1-3V
1591	1.10	6.0	6.6	1-B	1055	1.10	6.0	6.6	1-B
1581	1.11	5.6	6.2	1-B	1040	1.12	5.2	5.8	1-B
1575	1.11	5.4	6.0	1-B	1035	1.12	5.0	5.6	1-3V
1544	1.13	6.0	6.8	1-B	1015	1.14	5.6	6.4	1-B
1531	1.14	5.6	6.4	1-B	1008	1.15	6.0	6.9	1-3V
1524	1.15	5.4	6.2	1-B	998	1.16	5.6	6.5	1-3V
1520	1.15	6.0	6.9	1-3V	994	1.17	4.8	5.6	1-A
1506	1.16	5.6	6.5	1-3V	967	1.20	5.0	6.0	1-A
1485	1.18	5.6	6.6	1-B	965	1.20	5.0	6.0	1-3V
1477	1.19	5.4	6.4	1-B	949	1.22	5.4	6.6	1-B
1441	1.21	5.6	6.8	1-B	940	1.23	5.6	6.9	1-3V
1432	1.22	5.4	6.6	1-B	928	1.25	4.8	6.0	1-A
1419	1.23	6.0	7.4	1-B	914	1.27	5.2	6.6	1-B
1418	1.23	5.6	6.9	1-3V	898	1.29	4.8	6.2	1-A
1390	1.26	5.4	6.8	1-B	890	1.30	5.0	6.5	1-3V
1324	1.32	5.6	7.4	1-B	878	1.32	5.6	7.4	1-B
1310	1.34	6.0	8.0	1-3V	868	1.34	6.0	8.0	1-3V
1265	1.38	5.0	6.9	1-3V	862	1.35	5.2	7.0	1-A
1221	1.43	6.0	8.6	1-B	846	1.37	5.4	7.4	1-B
1222	1.43	5.6	8.0	1-3V	838	1.38	5.0	6.9	1-3V
1140	1.54	5.6	8.6	1-B	829	1.40	5.0	7.0	1-A
1117	1.57	6.0	9.4	1-B	809	1.43	6.0	8.6	1-B
1099	1.59	5.4	8.6	1-B	810	1.43	5.6	8.0	1-3V
1090	1.61	5.0	8.0	1-3V	792	1.46	5.6	8.2	1-A
1058	1.65	5.2	8.6	1-B	755	1.54	5.6	8.6	1-B
1043	1.68	5.6	9.4	1-B	740	1.57	6.0	9.4	1-B
1005	1.74	5.4	9.4	1-B	722	1.61	5.6	9.0	1-A
987	1.77	6.0	10.6	1-3V	722	1.61	5.0	8.0	1-3V
968	1.81	5.2	9.4	1-B	701	1.65	5.2	8.6	1-B
955	1.83	6.0	11.0	1-B	679	1.71	4.8	8.2	1-A
921	1.90	5.6	10.6	1-3V	666	1.74	5.4	9.4	1-B
891	1.96	5.6	11.0	1-B	654	1.77	6.0	10.6	1-3V
859	2.04	5.4	11.0	1-B	644	1.80	5.0	9.0	1-A
847	2.07	6.0	12.4	1-B	613	1.89	5.6	10.6	1-A
827	2.12	5.2	11.0	1-B	610	1.90	5.6	10.6	1-3V
821	2.13	5.0	10.6	1-3V	591	1.96	5.6	11.0	1-B
790	2.21	5.6	12.4	1-B	569	2.04	5.4	11.0	1-B
762	2.30	5.4	12.4	1-B	548	2.12	5.2	11.0	1-B
746	2.34	6.0	14.0	1-3V	544	2.13	5.0	10.6	1-3V
734	2.38	5.2	12.4	1-B	525	2.21	4.8	10.6	1-A
696	2.51	5.6	14.0	1-3V	505	2.30	5.4	12.4	1-B
682	2.57	6.0	15.4	1-B	495	2.34	6.0	14.0	1-3V
636	2.75	5.6	15.4	1-B	486	2.38	5.2	12.4	1-B
621	2.82	5.0	14.0	1-3V	464	2.50	4.8	12.0	1-A
614	2.85	5.4	15.4	1-B	462	2.51	5.6	14.0	1-3V
609	2.87	6.4	18.4	1-B	452	2.57	6.0	15.4	1-B
591	2.96	5.2	15.4	1-B	433	2.68	5.6	15.0	1-A
571	3.07	6.0	18.4	1-B	422	2.75	5.6	15.4	1-B
549	3.18	6.0	19.0	1-3V	412	2.82	5.0	14.0	1-3V
533	3.29	5.6	18.4	1-B	402	2.88	5.2	15.0	1-A
514	3.41	5.4	18.4	1-B	392	2.96	5.2	15.4	1-B
513	3.41	5.6	19.0	1-3V	387	3.00	5.0	15.0	1-A
495	3.54	5.2	18.4	1-B	371	3.12	4.8	15.0	1-A
457	3.83	5.0	19.0	1-3V	364	3.18	6.0	19.0	1-3V
....	....	..	...	....	361	3.21	5.6	18.0	1-A
....	....	..	...	....	353	3.29	5.6	18.4	1-B
....	....	..	...	....	340	3.41	5.6	19.0	1-3V
....	....	..	...	....	335	3.46	5.2	18.0	1-A
....	....	..	...	....	322	3.60	5.0	18.0	1-A
....	....	..	...	....	309	3.75	4.8	18.0	1-A
....	....	..	...	....	303	3.83	5.0	19.0	1-3V

* Stock FLEXIDYNE sheaves listed on page PT3-16 - PT3-17.

* Stock TAPER-LOCK sheaves in V-drives section.

★ Outside diameter of 3V DYNA-V sheaves. Datum diameter of A and B sheaves. All ratios are based on P.D. for DYNA-V Sheaves and Datum diameter for A and B Sheaves.

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MODIFICATIONS/ ACCESSORIES

DODGE®

FLEXIDYNE

V-Belt Drives For 75D FLEXIDYNE Drives

These are typical drives for average service conditions

Driven by 1750 RPM Motors					Driven by 1750 RPM Motors				
Driven RPM	V-Belt Drive Ratio	Diameter ★ Driver *	Diameter ★ Driven ♠	Quan. & Belt Size ◆	Driven RPM	V-Belt Drive Ratio	Diameter ★ Driver *	Diameter ★ Driven ♠	Quan. & Belt Size ◆
1750	1.00	5.6	5.6	2-B	1160	1.00	4.8	4.8	2-A
1694	1.03	6.0	6.2	2-B	1114	1.04	4.8	5.0	2-A
1690	1.04	5.6	5.8	2-B	1094	1.06	5.0	5.3	2-3V
1641	1.07	6.0	6.4	2-B	1082	1.07	5.6	6.0	2-3V
1632	1.07	5.6	6.0	2-3V	1071	1.08	4.8	5.2	2-A
1614	1.08	6.0	6.5	2-3V	1072	1.08	6.0	6.5	2-3V
1591	1.10	6.0	6.6	2-B	1055	1.10	6.0	6.6	2-B
1544	1.13	6.0	6.8	2-B	1036	1.12	5.0	5.6	2-A
1524	1.15	5.4	6.2	2-B	1035	1.12	5.0	5.6	2-3V
1520	1.15	6.0	6.9	2-3V	1015	1.14	5.6	6.4	2-B
1506	1.16	5.6	6.5	2-3V	1008	1.15	6.0	6.9	2-3V
1485	1.18	5.6	6.6	2-B	1000	1.16	5.0	5.8	2-A
1441	1.21	5.6	6.8	2-B	998	1.16	5.6	6.5	2-3V
1419	1.23	6.0	7.4	2-B	994	1.17	4.8	5.6	2-A
1418	1.23	5.6	6.9	2-3V	984	1.18	5.6	6.6	2-B
1390	1.26	5.4	6.8	2-B	967	1.20	5.0	6.0	2-A
1324	1.32	5.6	7.4	2-B	965	1.20	5.0	6.0	2-3V
1310	1.34	6.0	8.0	2-3V	960	1.21	4.8	5.8	2-A
1277	1.37	5.4	7.4	2-B	941	1.23	6.0	7.4	2-B
1265	1.38	5.0	6.9	2-3V	940	1.23	5.6	6.9	2-3V
1221	1.43	6.0	8.6	2-B	935	1.24	5.0	6.2	2-A
1222	1.43	5.6	8.0	2-3V	928	1.25	4.8	6.0	2-A
1140	1.54	5.6	8.6	2-B	906	1.28	5.0	6.4	2-A
1117	1.57	6.0	9.4	2-B	898	1.29	4.8	6.2	2-A
1099	1.59	5.4	8.6	2-B	890	1.30	5.0	6.5	2-3V
1090	1.61	5.0	8.0	2-3V	887	1.31	5.2	6.8	2-B
1043	1.68	5.6	9.4	2-B	870	1.33	4.8	6.4	2-A
1005	1.74	5.4	9.4	2-B	868	1.34	6.0	8.0	2-3V
987	1.77	6.0	10.6	2-3V	862	1.35	5.2	7.0	2-A
968	1.81	5.2	9.4	2-B	846	1.37	5.4	7.4	2-B
955	1.83	6.0	11.0	2-B	838	1.38	5.0	6.9	2-3V
921	1.90	5.6	10.6	2-3V	829	1.40	5.0	7.0	2-A
891	1.96	5.6	11.0	2-B	809	1.43	6.0	8.6	2-B
859	2.04	5.4	11.0	2-B	810	1.43	5.6	8.0	2-3V
847	2.07	6.0	12.4	2-B	795	1.46	4.8	7.0	2-A
827	2.12	5.2	11.0	2-B	755	1.54	5.6	8.6	2-B
821	2.13	5.0	10.6	2-3V	736	1.58	5.2	8.2	2-A
790	2.21	5.6	12.4	2-B	722	1.61	5.0	8.0	2-3V
762	2.30	5.4	12.4	2-B	707	1.64	5.0	8.2	2-A
746	2.34	6.0	14.0	2-3V	679	1.71	4.8	8.2	2-A
734	2.38	5.2	12.4	2-B	670	1.73	5.2	9.0	2-A
696	2.51	5.6	14.0	2-3V	654	1.77	6.0	10.6	2-3V
682	2.57	6.0	15.4	2-B	644	1.80	5.0	9.0	2-A
636	2.75	5.6	15.4	2-B	619	1.87	4.8	9.0	2-A
621	2.82	5.0	14.0	2-3V	610	1.90	5.6	10.6	2-3V
614	2.85	5.4	15.4	2-B	591	1.96	5.6	11.0	2-B
591	2.96	5.2	15.4	2-B	569	2.04	5.4	11.0	2-B
571	3.07	6.0	18.4	2-B	547	2.12	5.0	10.6	2-A
549	3.18	6.0	19.0	2-3V	544	2.13	5.0	10.6	2-3V
525	3.33	6.0	20.0	2-B	525	2.21	4.8	10.6	2-A
514	3.41	5.4	18.4	2-B	495	2.34	6.0	14.0	2-3V
513	3.41	5.6	19.0	2-3V	486	2.38	5.2	12.4	2-B
490	3.57	5.6	20.0	2-B	464	2.50	4.8	12.0	2-A
455	3.85	5.2	20.0	2-B	462	2.51	5.6	14.0	2-3V
457	3.83	5.0	19.0	2-3V	422	2.75	5.6	15.4	2-B
420	4.17	6.0	25.0	2-B	412	2.82	5.0	14.0	2-3V
417	4.19	6.0	25.0	2-3V	402	2.88	5.2	15.0	2-A
392	4.46	5.6	25.0	2-B	387	3.00	5.0	15.0	2-A
389	4.50	5.6	25.0	2-3V	371	3.12	4.8	15.0	2-A
378	4.63	5.4	25.0	2-B	364	3.18	6.0	19.0	2-3V
364	4.81	5.2	25.0	2-B	340	3.41	5.6	19.0	2-3V
350	5.00	6.0	30.0	2-B	322	3.60	5.0	18.0	2-A
347	5.04	5.0	25.0	2-3V	309	3.75	4.8	18.0	2-A
327	5.36	5.6	30.0	2-B	303	3.83	5.0	19.0	2-3V
303	5.77	5.2	30.0	2-B	278	4.17	6.0	25.0	2-B
276	6.33	6.0	38.0	2-B	277	4.19	6.0	25.0	2-3V
258	6.79	5.6	38.0	2-B	258	4.50	5.6	25.0	2-3V
249	7.04	5.4	38.0	2-B	230	5.04	5.0	25.0	2-3V

* Stock FLEXIDYNE sheaves listed on page PT3-16 - PT3-17.
* Stock TAPER-LOCK sheaves in V-drives section.

★ Outside diameter of 3V DYNA-V sheaves. Datum diameter of A and B sheaves. All ratios are based on P.D. for DYNA-V Sheaves and Datum diameter for A and B Sheaves.

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DODGE®

FLEXIDYNE

V-Belt Drives For 9D FLEXIDYNE Drives

These are typical drives for average service conditions

Driven by 1750 RPM Motors					Driven by 1750 RPM Motors				
Driven RPM	V-Belt Drive Ratio	Diameter ★ Driver *	Diameter ★ Driven ♠	Quan. & Belt Size ◆	Driven RPM	V-Belt Drive Ratio	Diameter ★ Driver *	Diameter ★ Driven ♠	Quan. & Belt Size ◆
1750	1.00	4.75	4.75	4-3V	1160	1.00	4.75	4.75	4-3V
1683	1.04	5.0	5.2	5-A	1115	1.04	5.0	5.2	5-A
1667	1.05	4.75	5.0	4-3V	1105	1.05	4.75	5.0	4-3V
1636	1.07	5.6	6.0	4-A	1084	1.07	5.6	6.0	4-A
1620	1.08	5.2	5.6	5-A	1074	1.08	5.2	5.6	5-A
1577	1.11	5.4	6.0	5-B	1045	1.11	5.4	6.0	5-B
1563	1.12	4.75	5.3	4-3V	1036	1.12	4.75	5.3	4-3V
1549	1.13	5.3	6.0	4-3V	1027	1.13	5.3	6.0	4-3V
1535	1.14	5.6	6.4	4-A	1018	1.14	5.6	6.4	4-A
1522	1.15	6.0	6.9	4-3V	1009	1.15	6.0	6.9	4-3V
1496	1.17	6.0	7.0	4-A	991	1.17	6.0	7.0	4-A
1483	1.18	4.75	5.6	4-3V	983	1.18	4.75	5.6	4-3V
1458	1.20	5.0	6.0	5-A	967	1.20	5.0	6.0	5-A
1423	1.23	5.3	6.5	4-3V	943	1.23	5.3	6.5	4-3V
1400	1.25	5.6	7.0	4-A	928	1.25	5.6	7.0	4-A
1378	1.27	4.75	6.0	4-3V	913	1.27	4.75	6.0	4-3V
1367	1.28	5.0	6.4	5-A	906	1.28	5.0	6.4	5-A
1346	1.30	5.3	6.9	4-3V	892	1.30	5.3	6.9	4-3V
1326	1.32	5.6	7.4	5-B	879	1.32	5.6	7.4	5-B
1306	1.34	6.0	8.0	4-3V	866	1.34	6.0	8.0	4-3V
1296	1.35	5.2	7.0	5-A	859	1.35	5.2	7.0	5-A
1277	1.37	4.75	6.5	4-3V	847	1.37	4.75	6.5	4-3V
1250	1.40	5.0	7.0	5-A	829	1.40	5.0	7.0	5-A
1224	1.43	6.0	8.6	4-B	811	1.43	6.0	8.6	4-B
1199	1.46	4.75	6.9	4-3V	795	1.46	4.75	6.9	4-3V
1159	1.51	5.3	8.0	4-3V	768	1.51	5.3	8.0	4-3V
1136	1.54	5.6	8.6	5-B	753	1.54	5.6	8.6	5-B
1108	1.58	5.2	8.2	5-A	734	1.58	5.2	8.2	5-A
1087	1.61	5.6	9.0	4-A	720	1.61	5.6	9.0	4-A
1067	1.64	5.0	8.2	5-A	707	1.64	5.0	8.2	5-A
1036	1.69	4.75	8.0	4-3V	686	1.69	4.75	8.0	4-3V
1012	1.73	5.2	9.0	5-A	671	1.73	5.2	9.0	5-A
989	1.77	6.0	10.6	4-3V	655	1.77	6.0	10.6	4-3V
972	1.80	5.0	9.0	5-A	644	1.80	5.0	9.0	5-A
956	1.83	6.0	11.0	4-B	634	1.83	6.0	11.0	4-B
926	1.89	5.6	10.6	4-A	614	1.89	5.6	10.6	4-A
902	1.94	6.4	12.4	4-B	598	1.94	6.4	12.4	4-B
871	2.01	5.3	10.6	4-3V	577	2.01	5.3	10.6	4-3V
858	2.04	5.2	10.6	5-A	569	2.04	5.2	10.6	5-A
818	2.14	5.6	12.0	4-A	542	2.14	5.6	12.0	4-A
792	2.21	5.6	12.4	5-B	525	2.21	5.6	12.4	5-B
781	2.24	4.75	10.6	4-3V	518	2.24	4.75	10.6	4-3V
748	2.34	6.0	14.0	4-3V	496	2.34	6.0	14.0	4-3V
729	2.40	5.0	12.0	5-A	483	2.40	5.0	12.0	5-A
700	2.50	6.0	12.0	4-A	464	2.50	6.0	15.0	4-A
681	2.57	6.0	15.4	4-B	451	2.57	6.0	15.4	4-B
658	2.66	5.3	14.0	4-3V	436	2.66	5.3	14.0	4-3V
636	2.75	5.6	15.4	5-B	422	2.75	5.6	15.4	5-B
608	2.88	5.2	15.0	5-A	403	2.88	5.2	15.0	5-A
589	2.97	4.75	14.0	4-3V	391	2.97	4.75	14.0	4-3A
570	3.07	6.0	18.4	4-B	378	3.07	6.0	18.4	4-B
545	3.21	5.6	18.0	4-A	361	3.21	5.6	18.0	4-A
532	3.29	5.6	18.4	5-B	353	3.29	5.6	18.4	5-B
506	3.46	5.2	18.0	5-A	335	3.46	5.2	18.0	5-A
485	3.61	5.3	19.0	4-3V	321	3.61	5.3	19.0	4-3V
473	3.70	5.4	20.0	5-B	314	3.70	5.4	20.0	5-B
448	3.91	6.4	25.0	4-B	297	3.91	6.4	25.0	4-B
434	4.03	4.75	19.0	4-3V	288	4.03	4.75	19.0	4-3V
420	4.17	6.0	25.0	4-B	278	4.17	6.0	25.0	4-B
392	4.46	5.6	25.0	5-B	260	4.46	5.6	25.0	5-B
368	4.75	5.3	25.0	4-3V	244	4.75	5.3	25.0	4-3V
350	5.00	6.0	30.0	4-B	232	5.00	6.0	30.0	4-B
330	5.31	4.75	25.0	4-3V	218	5.31	4.75	25.0	4-3V
311	5.62	6.0	33.5	4-3V	206	5.62	6.0	33.5	4-3V
295	5.94	6.4	38.0	4-B	195	5.94	6.4	38.0	4-B
275	6.37	5.3	33.5	4-3V	182	6.37	5.3	33.5	4-3V
258	6.79	5.6	38.0	5-B	171	6.79	5.6	38.0	5-B
246	7.12	4.75	33.5	4-3V	163	7.12	4.75	33.5	4-3V

* Stock FLEXIDYNE sheaves listed on page PT3-16 - PT3-17.
* Stock TAPER-LOCK sheaves in V-drives section.

★ Outside diameter of 3V DYNA-V sheaves. Datum diameter of A and B sheaves. All ratios are based on P.D. for DYNA-V Sheaves and Datum diameter for A and B Sheaves.

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MODIFICATIONS/ ACCESSORIES

DODGE®

FLEXIDYNE

V-Belt Drives For 11D, 11DL FLEXIDYNE Drives

These are typical drives for average service conditions

Driven by 1750 RPM Motors					Driven by 1750 RPM Motors				
Driven RPM	V-Belt Drive Ratio	Diameter ★ Driver *	Diameter ★ Driven ♠	Quan. & Belt Size ◆	Driven RPM	V-Belt Drive Ratio	Diameter ★ Driver *	Diameter ★ Driven ♠	Quan. & Belt Size ◆
1750	1.00	6.5	6.5	5-3V	1160	1.00	6.5	6.5	5-3V
1750	1.00	6.8	6.8	5-B	1160	1.00	6.8	6.8	5-B
1699	1.03	6.6	6.8	5-B	1126	1.03	6.6	6.8	5-B
1651	1.06	6.5	6.9	5-3V	1094	1.06	6.5	6.9	5-3V
1636	1.07	7.5	8.0	3-5V	1084	1.07	7.5	8.0	3-5V
1606	1.09	6.8	7.4	5-B	1064	1.09	6.8	7.4	5-B
1563	1.12	6.6	7.4	5-B	1036	1.12	6.6	7.4	5-B
1535	1.14	7.5	8.5	3-5V	1022	1.14	7.5	8.5	3-5V
1509	1.16	7.4	8.6	5-B	1000	1.16	7.4	8.6	5-B
1509	1.16	6.9	8.0	5-3V	1000	1.16	6.9	8.0	5-3V
1458	1.20	7.5	9.0	3-5V	967	1.20	7.5	9.0	3-5V
1423	1.23	6.5	8.0	5-3V	943	1.23	6.5	8.0	5-3V
1411	1.24	7.5	9.25	3-5V	935	1.24	7.5	9.25	3-5V
1389	1.26	6.8	8.6	5-B	921	1.26	6.8	8.6	5-B
1378	1.27	7.4	9.4	5-B	913	1.27	7.4	9.4	5-B
1367	1.28	8.6	11.0	5-B	906	1.28	8.6	11.0	5-B
1346	1.30	7.5	9.75	3-5V	892	1.30	7.5	9.75	3-5V
1346	1.30	6.6	8.6	5-B	892	1.30	6.6	8.6	5-B
1268	1.38	7.5	10.3	3-5V	841	1.38	7.5	10.3	3-5V
1268	1.38	6.8	9.4	5-B	841	1.38	6.8	9.4	5-B
1232	1.42	6.6	9.4	5-B	817	1.42	6.6	9.4	5-B
1215	1.44	8.6	12.4	5-B	806	1.44	8.6	12.4	5-B
1199	1.46	7.5	10.9	3-5V	795	1.46	7.5	10.9	3-5V
1174	1.49	7.4	11.0	5-B	779	1.49	7.4	11.0	5-B
1136	1.54	6.9	10.6	5-3V	753	1.54	6.9	10.6	5-3V
1108	1.58	7.5	11.8	3-5V	734	1.58	7.5	11.8	3-5V
1080	1.62	6.8	11.0	5-B	716	1.62	6.8	11.0	5-B
1067	1.64	6.5	10.6	5-3V	707	1.64	6.5	10.6	5-3V
1048	1.67	6.6	11.0	5-B	695	1.67	6.6	11.0	5-B
1042	1.68	7.5	12.5	3-5V	690	1.68	7.5	12.5	3-5V
1042	1.68	7.4	12.4	5-B	690	1.68	7.4	12.4	5-B
989	1.77	7.5	13.2	3-5V	655	1.77	7.5	13.2	3-5V
978	1.79	8.6	15.4	5-B	648	1.79	8.6	15.4	5-B
962	1.82	6.8	12.4	5-B	637	1.82	6.8	12.4	5-B
931	1.88	7.5	14.0	3-5V	617	1.88	7.5	14.0	3-5V
931	1.88	6.6	12.4	5-B	617	1.88	6.6	12.4	5-B
871	2.01	7.5	15.0	3-5V	577	2.01	7.5	15.0	3-5V
858	2.04	6.9	14.0	5-3V	569	2.04	6.9	14.0	5-3V
841	2.08	7.4	15.4	5-B	558	2.08	7.4	15.4	5-B
818	2.14	8.6	18.4	5-B	542	2.14	8.6	18.4	5-B
814	2.15	7.5	16.0	3-5V	540	2.15	7.5	16.0	3-5V
810	2.16	6.5	14.0	5-3V	537	2.16	6.5	14.0	5-3V
774	2.26	6.8	15.4	5-B	513	2.26	6.8	15.4	5-B
751	2.33	6.6	15.4	5-B	498	2.33	6.6	15.4	5-B
703	2.49	7.4	18.4	5-B	466	2.49	7.4	18.4	5-B
646	2.71	6.8	18.4	5-B	428	2.71	6.8	18.4	5-B
632	2.77	6.9	19.0	5-3V	419	2.77	6.9	19.0	5-3V
627	2.79	6.6	18.4	5-B	416	2.79	6.6	18.4	5-B
614	2.85	7.5	21.2	3-5V	407	2.85	7.5	21.2	3-5V
601	2.91	8.6	25.0	5-B	399	2.91	8.6	25.0	5-B
595	2.94	6.5	19.0	5-3V	395	2.94	6.5	19.0	5-3V
578	3.03	6.6	20.0	5-B	383	3.03	6.6	20.0	5-B
518	3.38	7.4	25.0	5-B	343	3.38	7.4	25.0	5-B
501	3.49	8.6	30.0	5-B	332	3.49	8.6	30.0	5-B
481	3.64	6.9	25.0	5-3V	319	3.64	6.9	25.0	5-3V
476	3.68	6.8	25.0	5-B	315	3.68	6.8	25.0	5-B
464	3.77	7.5	28.0	3-5V	308	3.77	7.5	28.0	3-5V
462	3.79	6.6	25.0	5-B	306	3.79	6.6	25.0	5-B
452	3.87	6.5	25.0	5-3V	300	3.87	6.5	25.0	5-3V
432	4.05	7.4	30.0	5-B	286	4.05	7.4	30.0	5-B
397	4.41	6.8	30.0	5-B	263	4.41	6.8	30.0	5-B
385	4.55	6.6	30.0	5-B	255	4.55	6.6	30.0	5-B
359	4.88	6.9	33.5	5-3V	238	4.88	6.9	35.5	5-3V
347	5.05	7.5	37.5	3-5V	230	5.05	7.5	37.5	3-5V
340	5.14	7.4	38.0	5-B	226	5.14	7.4	38.0	5-B
337	5.19	6.5	33.5	5-3V	224	5.19	6.5	33.5	5-3V
313	5.59	6.8	38.0	5-B	208	5.59	6.8	38.0	5-B
304	5.76	6.6	38.0	5-B	201	5.76	6.6	38.0	5-B

* Stock FLEXIDYNE sheaves listed on page PT3-16 - PT3-17.
* Stock TAPER-LOCK sheaves in V-drives section.

★ Outside diameter of 3V DYNA-V sheaves. Datum diameter of A and B sheaves. All ratios are based on P.D. for DYNA-V Sheaves and Datum diameter for A and B Sheaves.

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DODGE®

FLEXIDYNE

V-Belt Drives For 15D FLEXIDYNE Drives

These are typical drives for average service conditions

Driven by 1750 RPM Motors					Driven by 1750 RPM Motors				
Driven RPM	V-Belt Drive Ratio	Diameter ★ Driver *	Diameter ★ Driven ♠	Quan. & Belt Size ◆	Driven RPM	V-Belt Drive Ratio	Diameter ★ Driver *	Diameter ★ Driven ♠	Quan. & Belt Size ◆
1750	1.00	9.75	9.75	4-5V	1160	1.00	9.75	9.75	4-5V
1699	1.03	9.0	9.25	5-5V	1126	1.03	9.0	9.25	5-5V
1663	1.05	9.5	10.0	6-C	1102	1.05	9.5	10.0	6-C
1651	1.06	9.75	10.3	4-5V	1094	1.06	9.75	10.3	4-5V
1620	1.08	9.0	9.75	5-5V	1074	1.08	9.0	9.75	5-5V
1606	1.09	8.5	9.25	5-5V	1064	1.09	8.5	9.25	5-5V
1591	1.10	10.0	11.0	6-C	1055	1.10	10.0	11.0	6-C
1575	1.11	9.0	10.0	6-C	1044	1.11	9.0	10.0	6-C
1563	1.12	9.75	10.9	4-5V	1036	1.12	9.75	10.9	4-5V
1531	1.14	10.5	12.0	5-C	1015	1.14	10.5	12.0	5-C
1522	1.15	8.5	9.75	5-5V	1009	1.15	8.5	9.75	5-5V
1496	1.17	9.0	10.5	6-C	994	1.17	9.0	10.5	6-C
1458	1.20	10.0	12.0	6-C	966	1.20	10.0	12.0	6-C
1446	1.21	9.75	11.8	4-5V	959	1.21	9.75	11.8	4-5V
1432	1.22	9.0	11.0	6-C	949	1.22	9.0	11.0	6-C
1413	1.24	10.5	13.0	5-C	937	1.24	10.5	13.0	5-C
1385	1.26	9.5	12.0	6-C	918	1.26	9.5	12.0	6-C
1367	1.28	9.75	12.5	4-3V	906	1.28	9.75	12.5	4-3V
1357	1.29	8.5	10.9	5-5V	899	1.29	8.5	10.9	5-5V
1346	1.30	10.0	13.0	6-C	892	1.30	10.0	13.0	6-C
1336	1.31	9.0	11.8	5-5V	885	1.31	9.0	11.8	5-5V
1313	1.33	10.5	14.0	5-C	870	1.33	10.5	14.0	5-C
1287	1.36	9.75	13.2	4-5V	853	1.36	9.75	13.2	4-5V
1279	1.37	9.5	13.0	6-C	848	1.37	9.5	13.0	6-C
1259	1.39	8.5	11.8	5-5V	835	1.39	8.5	11.8	5-5V
1250	1.40	10.0	14.0	6-C	829	1.40	10.0	14.0	6-C
1215	1.44	9.75	14.0	4-5V	806	1.44	9.75	14.0	4-5V
1190	1.47	9.0	13.2	5-5V	789	1.47	9.0	13.2	5-5V
1182	1.48	8.5	12.5	5-5V	784	1.48	8.5	12.5	5-5V
1148	1.52	10.5	16.0	5-C	761	1.52	10.5	16.0	5-C
1136	1.54	9.75	15.0	4-5V	753	1.54	9.75	15.0	4-5V
1122	1.56	8.5	13.2	5-5V	744	1.56	8.5	13.2	5-5V
1094	1.60	10.0	16.0	6-C	725	1.60	10.0	16.0	6-C
1061	1.65	9.75	16.0	4-5V	703	1.65	9.75	16.0	4-5V
1048	1.67	9.0	15.0	5-5V	695	1.67	9.0	15.0	5-5V
1039	1.68	9.5	16.0	6-C	689	1.68	9.5	16.0	6-C
989	1.77	8.5	15.0	5-5V	655	1.77	8.5	15.0	5-5V
978	1.79	9.0	16.0	5-5V	648	1.79	9.0	16.0	5-5V
926	1.89	8.5	16.0	5-5V	614	1.89	8.5	16.0	5-5V
919	1.91	10.5	20.0	5-C	609	1.91	10.5	20.0	5-C
875	2.00	10.0	20.0	6-C	580	2.00	10.0	20.0	6-C
831	2.10	9.5	20.0	6-C	551	2.10	9.5	20.0	6-C
799	2.19	9.75	21.2	4-5V	530	2.19	9.75	21.2	4-5V
788	2.22	9.0	20.0	6-C	522	2.22	9.0	20.0	6-C
766	2.28	10.5	24.0	5-C	508	2.28	10.5	24.0	5-C
738	2.37	9.0	21.2	5-5V	489	2.37	9.0	21.2	5-5V
729	2.40	10.0	24.0	6-C	483	2.40	10.0	24.0	6-C
697	2.51	8.5	21.2	5-5V	462	2.51	8.5	21.2	5-5V
656	2.67	9.0	24.0	6-C	435	2.67	9.0	24.0	6-C
612	2.86	10.5	30.0	5-C	406	2.86	10.5	30.0	5-C
606	2.89	9.75	28.0	4-5V	401	2.89	9.75	28.0	4-5V
583	3.00	10.0	30.0	6-C	386	3.00	10.0	30.0	6-C
559	3.13	9.0	28.0	5-5V	371	3.13	9.0	28.0	5-5V
527	3.32	8.5	28.0	5-5V	349	3.32	8.5	28.0	5-5V
510	3.43	10.5	36.0	5-C	338	3.43	10.5	36.0	5-C
486	3.60	10.0	36.0	6-C	322	3.60	10.0	36.0	6-C
462	3.79	9.5	36.0	6-C	306	3.79	9.5	36.0	6-C
451	3.88	9.75	37.5	4-5V	299	3.88	9.75	37.5	4-5V
438	4.00	9.0	36.0	6-C	290	4.00	9.0	36.0	6-C
417	4.20	9.0	37.5	5-5V	276	4.20	9.0	37.5	5-5V
393	4.45	8.5	37.5	5-5V	261	4.45	8.5	37.5	5-5V
378	4.64	9.5	44.0	6-C	251	4.64	9.5	44.0	6-C
368	4.76	10.5	50.0	5-C	244	4.76	10.5	50.0	5-C
358	4.89	9.0	44.0	6-C	237	4.89	9.0	44.0	6-C
350	5.00	10.0	50.0	6-C	232	5.00	10.0	50.0	6-C
338	5.17	9.75	50.0	4-5V	224	5.17	9.75	50.0	4-5V
312	5.61	9.0	50.0	5-5V	207	5.61	9.0	50.0	5-5V
295	5.94	8.5	50.0	5-5V	195	5.94	8.5	50.0	5-5V

* Stock FLEXIDYNE sheaves listed on page PT3-16 - PT3-17.

* Stock TAPER-LOCK sheaves in V-drives section.

★ Outside diameter of 3V DYNA-V sheaves. Datum diameter of A and B sheaves. All ratios are based on P.D. for DYNA-V Sheaves and Datum diameter for A and B Sheaves.

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ENGINEERING/TECHNICAL

DODGE®

FLEXIDYNE

SCF FLEXIDYNE Mechanism Used In A C-Flex Module

Maximum Allowable Acceleration Time (seconds)

Frequency of Starts	RPM	Starting Horsepower*						
		0.50	1.00	1.50	2.00	2.50	3.00	3.60
2 Hours	1750	140	90	70	56	50	44	37
1 Hour	1750	140	90	70	56	50	44	37
30 Min.	1750	140	90	70	56	50	44	37
15 Min.	1750	140	90	70	56	50	44	37
10 Min.	1750	125	80	60	48	42	39	32
5 Min.	1750	74	46	46	29	26	23	20
2 Min.	1750	30	19	15	12	10	8	5
1 Min.	1750	15	10	5	3	....	....	....

Table may be interpolated for HP and cycle times between those figures listed.

Thermal Capacities
FLEXIDYNE Mechanism Size 5

Maximum Allowable Acceleration Time (seconds)

Frequency of Starts	RPM	Starting Horsepower*					
		0.30	0.50	0.70	0.90	1.10	1.30
2 Hours	1750	330	220	170	128	116	104
	1160	....	....	....	....	....	....
	870	....	....	....	....	....	....
1 Hour	1750	330	220	170	128	116	104
	1160	....	....	....	....	....	....
	870	....	....	....	....	....	....
30 Min.	1750	330	220	170	128	116	104
	1160	....	....	....	....	....	....
	870	....	....	....	....	....	....
15 Min.	1750	330	220	170	128	116	104
	1160	....	....	....	....	....	....
	870	....	....	....	....	....	....
10 Min.	1750	300	200	150	116	105	94
	1160	....	....	....	....	....	....
	870	....	....	....	....	....	....
5 Min.	1750	170	116	88	68	62	55
	1160	....	....	....	....	....	....
	870	....	....	....	....	....	....
2 Min.	1750	70	47	35	27	25	22
	1160	....	....	....	....	....	....
	870	....	....	....	....	....	....
1 Min.	1750	35	23	18	14	12	11
	1160	....	....	....	....	....	....
	870	....	....	....	....	....	....

Table may be interpolated for HP and cycle times between those figures listed.

* Starting HP is dependent on the amount of flow charge used.

DODGE®

FLEXIDYNE

FLEXIDYNE Mechanism Size 55

Maximum Allowable Acceleration Time (seconds)

Frequency of Starts	RPM	Starting Horsepower*								
		0.50	0.75	1.00	1.50	2.00	2.50	3.00	3.50	4.00
2 Hours	1750	....	....	125	92	76	67	60	55	50
	1160	250	175	148	110	....	....	....	....	....
	870	....	....	....	....	....	....	....	....	....
1 Hour	1750	....	....	125	92	76	67	60	55	50
	1160	250	175	148	110	....	....	....	....	....
	870	....	....	....	....	....	....	....	....	....
30 Min.	1750	....	....	125	92	76	67	60	55	50
	1160	250	175	148	110	....	....	....	....	....
	870	....	....	....	....	....	....	....	....	....
15 Min.	1750	....	....	125	92	76	67	60	55	50
	1160	250	175	148	110	....	....	....	....	....
	870	....	....	....	....	....	....	....	....	....
10 Min.	1750	....	....	96	67	60	52	47	43	40
	1160	190	130	110	82	....	....	....	....	....
	870	....	....	....	....	....	....	....	....	....
5 Min.	1750	....	....	58	41	37	32	29	25	20
	1160	110	80	68	50	....	....	....	....	....
	870	....	....	....	....	....	....	....	....	....
2 Min.	1750	....	....	30	23	20	17	15	13	10
	1160	60	40	35	28	....	....	....	....	....
	870	....	....	....	....	....	....	....	....	....
1 Min.	1750	....	....	19	15	13	11	9	8	6
	1160	33	26	22	18	....	....	....	....	....
	870	....	....	....	....	....	....	....	....	....

FLEXIDYNE Mechanism Size 70

Maximum Allowable Acceleration Time (seconds)

Frequency of Starts	RPM	Starting Horsepower*									
		0.50	0.75	1.00	2.00	2.50	3.00	4.00	6.00	8.00	10.00
2 Hours	1750	....	....	....	210	180	150	110	80	63	53
	1160	....	....	500	260	190	170	130	....	....	....
	870	900	800	550	....	....	....	....	....	....	....
1 Hour	1750	....	....	....	210	180	150	110	80	63	53
	1160	....	....	500	260	190	170	130	....	....	....
	870	900	800	550	....	....	....	....	....	....	....
30 Min.	1750	....	....	....	210	180	150	110	80	63	53
	1160	....	....	500	260	190	170	130	....	....	....
	870	900	800	550	....	....	....	....	....	....	....
15 Min.	1750	....	....	....	190	160	140	100	72	56	46
	1160	....	....	450	230	165	155	118	....	....	....
	870	800	700	500	....	....	....	....	....	....	....
10 Min.	1750	....	....	....	170	140	120	83	60	41	36
	1160	....	....	320	190	143	133	90	....	....	....
	870	500	400	330	....	....	....	....	....	....	....
5 Min.	1750	....	....	....	105	85	74	54	38	29	23
	1160	....	....	200	120	88	80	60	....	....	....
	870	250	230	210	....	....	....	....	....	....	....
2 Min.	1750	....	....	....	58	45	39	30	21	16	13
	1160	....	....	80	60	49	45	36	....	....	....
	870	100	100	100	....	....	....	....	....	....	....
1 Min.	1750	....	....	....	36	29	25	19	13	10	8
	1160	....	....	45	38	33	28	23	....	....	....
	870	50	50	50	....	....	....	....	....	....	....

Table may be interpolated for HP and cycle times between those figures listed.

* Starting HP is dependent on the amount of flow charge used

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ENGINEERING/TECHNICAL

DODGE®

FLEXIDYNE

SCF FLEXIDYNE Mechanism Used In A C-Flex Module

Maximum Allowable Acceleration Time (seconds)

Frequency of Starts	RPM	Starting Horsepower*						
		0.50	1.00	1.50	2.00	2.50	3.00	3.60
2 Hours	1750	140	90	70	56	50	44	37
1 Hour	1750	140	90	70	56	50	44	37
30 Min.	1750	140	90	70	56	50	44	37
15 Min.	1750	140	90	70	56	50	44	37
10 Min.	1750	125	80	60	48	42	39	32
5 Min.	1750	74	46	46	29	26	23	20
2 Min.	1750	30	19	15	12	10	8	5
1 Min.	1750	15	10	5	3	....	....	....

Table may be interpolated for HP and cycle times between those figures listed.

Thermal Capacities
FLEXIDYNE Mechanism Size 5

Maximum Allowable Acceleration Time (seconds)

Frequency of Starts	RPM	Starting Horsepower*					
		0.30	0.50	0.70	0.90	1.10	1.30
2 Hours	1750	330	220	170	128	116	104
	1160	....	....	....	....	....	....
	870	....	....	....	....	....	....
1 Hour	1750	330	220	170	128	116	104
	1160	....	....	....	....	....	....
	870	....	....	....	....	....	....
30 Min.	1750	330	220	170	128	116	104
	1160	....	....	....	....	....	....
	870	....	....	....	....	....	....
15 Min.	1750	330	220	170	128	116	104
	1160	....	....	....	....	....	....
	870	....	....	....	....	....	....
10 Min.	1750	300	200	150	116	105	94
	1160	....	....	....	....	....	....
	870	....	....	....	....	....	....
5 Min.	1750	170	116	88	68	62	55
	1160	....	....	....	....	....	....
	870	....	....	....	....	....	....
2 Min.	1750	70	47	35	27	25	22
	1160	....	....	....	....	....	....
	870	....	....	....	....	....	....
1 Min.	1750	35	23	18	14	12	11
	1160	....	....	....	....	....	....
	870	....	....	....	....	....	....

Table may be interpolated for HP and cycle times between those figures listed.

* Starting HP is dependent on the amount of flow charge used.

DODGE®

FLEXIDYNE

FLEXIDYNE Mechanism Size 55

Maximum Allowable Acceleration Time (seconds)

Frequency of Starts	RPM	Starting Horsepower*								
		0.50	0.75	1.00	1.50	2.00	2.50	3.00	3.50	4.00
2 Hours	1750	....	....	125	92	76	67	60	55	50
	1160	250	175	148	110	....	....	....	....	....
	870	....	....	....	....	....	....	....	....	....
1 Hour	1750	....	....	125	92	76	67	60	55	50
	1160	250	175	148	110	....	....	....	....	....
	870	....	....	....	....	....	....	....	....	....
30 Min.	1750	....	....	125	92	76	67	60	55	50
	1160	250	175	148	110	....	....	....	....	....
	870	....	....	....	....	....	....	....	....	....
15 Min.	1750	....	....	125	92	76	67	60	55	50
	1160	250	175	148	110	....	....	....	....	....
	870	....	....	....	....	....	....	....	....	....
10 Min.	1750	....	....	96	67	60	52	47	43	40
	1160	190	130	110	82	....	....	....	....	....
	870	....	....	....	....	....	....	....	....	....
5 Min.	1750	....	....	58	41	37	32	29	25	20
	1160	110	80	68	50	....	....	....	....	....
	870	....	....	....	....	....	....	....	....	....
2 Min.	1750	....	....	30	23	20	17	15	13	10
	1160	60	40	35	28	....	....	....	....	....
	870	....	....	....	....	....	....	....	....	....
1 Min.	1750	....	....	19	15	13	11	9	8	6
	1160	33	26	22	18	....	....	....	....	....
	870	....	....	....	....	....	....	....	....	....

FLEXIDYNE Mechanism Size 70

Maximum Allowable Acceleration Time (seconds)

Frequency of Starts	RPM	Starting Horsepower*									
		0.50	0.75	1.00	2.00	2.50	3.00	4.00	6.00	8.00	10.00
2 Hours	1750	....	....	....	210	180	150	110	80	63	53
	1160	....	....	500	260	190	170	130	....	....	....
	870	900	800	550	....	....	....	....	....	....	....
1 Hour	1750	....	....	....	210	180	150	110	80	63	53
	1160	....	....	500	260	190	170	130	....	....	....
	870	900	800	550	....	....	....	....	....	....	....
30 Min.	1750	....	....	....	210	180	150	110	80	63	53
	1160	....	....	500	260	190	170	130	....	....	....
	870	900	800	550	....	....	....	....	....	....	....
15 Min.	1750	....	....	....	190	160	140	100	72	56	46
	1160	....	....	450	230	165	155	118	....	....	....
	870	800	700	500	....	....	....	....	....	....	....
10 Min.	1750	....	....	....	170	140	120	83	60	41	36
	1160	....	....	320	190	143	133	90	....	....	....
	870	500	400	330	....	....	....	....	....	....	....
5 Min.	1750	....	....	....	105	85	74	54	38	29	23
	1160	....	....	200	120	88	80	60	....	....	....
	870	250	230	210	....	....	....	....	....	....	....
2 Min.	1750	....	....	....	58	45	39	30	21	16	13
	1160	....	....	80	60	49	45	36	....	....	....
	870	100	100	100	....	....	....	....	....	....	....
1 Min.	1750	....	....	....	36	29	25	19	13	10	8
	1160	....	....	45	38	33	28	23	....	....	....
	870	50	50	50	....	....	....	....	....	....	....

Table may be interpolated for HP and cycle times between those figures listed.

* Starting HP is dependent on the amount of flow charge used

FEATURES/BENEFITS PAGE PT3-2	SPECIFICATION PAGE PT3-3	SELECTION PAGE PT3-4	SELECTION/DIMENSIONS PAGE PT3-8

ENGINEERING/TECHNICAL

DODGE®

FLEXIDYNE

FLEXIDYNE Mechanism Size 15

Maximum Allowable Acceleration Time (seconds)

Frequency of Starts	RPM	Starting Horsepower*									
		10	20	30	40	50	60	70	80	90	100
2 Hours	1750	....	....	....	....	35	31	27	23	20	16
	1160	....	230	167	105	81	56	47	39	33	28
	870	560	300	200	145	....	....	....	....	....	....
1 Hour	1750	....	....	....	....	35	31	27	23	20	16
	1160	....	230	167	105	81	56	47	39	33	28
	870	560	300	200	145	....	....	....	....	....	....
30 Min.	1750	....	....	....	....	34	30	26	22	18	15
	1160	....	230	167	105	81	56	47	39	33	28
	870	460	240	160	120	....	....	....	....	....	....
15 Min.	1750	....	....	....	....	30	27	23	20	16	13
	1160	....	190	140	90	68	47	40	33	28	24
	870	350	170	125	90	....	....	....	....	....	....
10 Min.	1750	....	....	....	....	28	25	21	17	15	13
	1160	....	160	117	74	57	40	34	28	24	20
	870	260	130	95	68	....	....	....	....	....	....
5 Min.	1750	....	....	....	....	19	16	14	12	10	9
	1160	....	100	73	46	35	25	21	17	14	12
	870	160	80	60	42	....	....	....	....	....	....
2 Min.	1750	....	....	....	....	12	10	9	7	6	5
	1160	....	44	32	20	15	11	9	7	6	5
	870	85	42	32	22	....	....	....	....	....	....
1 Min.	1750	....	....	....	....	8	7	6	5	4	3
	1160	....	23	17	10	7	5	5	4	3	3
	870	53	25	19	14	....	....	....	....	....	....

Frequency of Starts	RPM	Starting Horsepower*									
		110	120	130	140	150	160	170	180	190	200
2 Hours	1750	15	14	13	12	11	10	9	9	8	8
	1160	....	....	....	....	....	....	....	....	....	....
	870	....	....	....	....	....	....	....	....	....	....
1 Hour	1750	15	14	13	12	11	10	9	9	8	8
	1160	....	....	....	....	....	....	....	....	....	....
	870	....	....	....	....	....	....	....	....	....	....
30 Min.	1750	14	13	12	11	10	10	9	9	8	7
	1160	....	....	....	....	....	....	....	....	....	....
	870	....	....	....	....	....	....	....	....	....	....
15 Min.	1750	12	11	10	10	9	8	8	7	7	6
	1160	....	....	....	....	....	....	....	....	....	....
	870	....	....	....	....	....	....	....	....	....	....
10 Min.	1750	12	11	10	9	8	8	7	7	6	6
	1160	....	....	....	....	....	....	....	....	....	....
	870	....	....	....	....	....	....	....	....	....	....
5 Min.	1750	8	7	7	6	6	6	5	5	4	4
	1160	....	....	....	....	....	....	....	....	....	....
	870	....	....	....	....	....	....	....	....	....	....
2 Min.	1750	5	4	4	3	3	....	....	....	....	....
	1160	....	....	....	....	....	....	....	....	....	....
	870	....	....	....	....	....	....	....	....	....	....
1 Min.	1750	3	....	....	....	....	....	....	....	....	....
	1160	....	....	....	....	....	....	....	....	....	....
	870	....	....	....	....	....	....	....	....	....	....

Table may be interpolated for HP and cycle times between those figures listed

* Starting HP is dependent on the amount of flow charge used.

Thermal capacities are shown for single cavity units. For duplex cavities, starting horsepower = (HP * Starting Torque%)/2

Caution: At these capacities, the housing temperature may reach 250 degrees F.

FLEXIDYNE

FLEXIDYNE Mechanism Size 18

Maximum Allowable Acceleration Time (seconds)

Frequency of Starts	RPM	Starting Horsepower*							
		20	40	60	80	100	120	140	160
2 Hours	1160	....	....	....	....	60	49	38	33
	870	....	200	160	120	96	72	62	52
	720	600	370	220	160	....	....	....	....
1 Hour	1160	....	....	....	....	60	49	38	33
	870	....	200	160	120	96	72	62	52
	720	560	350	200	150	....	....	....	....
30 Min.	1160	....	....	....	....	56	45	35	30
	870	....	160	130	100	80	60	52	44
	720	450	280	160	120	....	....	....	....
15 Min.	1160	....	....	....	....	44	35	26	23
	870	....	115	94	72	58	45	38	32
	720	300	180	100	74	....	....	....	....
10 Min.	1160	....	....	....	....	32	26	20	17
	870	....	90	72	54	43	32	27	22
	720	200	120	66	48	....	....	....	....
5 Min.	1160	....	....	....	....	17	13	10	9
	870	....	44	35	27	21	16	13	11
	720	90	54	32	23	....	....	....	....
2 Min.	1160	....	....	....	....	7	5	4	4
	870	....	17	13	10	8	6	5	4
	720	35	21	12	8	....	....	....	....
1 Min.	1160	....	....	....	....	....	....	....	....
	870	....	8	6	5	4	3	.....	.....
	720	16	10	5	4	....	....		

Frequency of Starts	RPM	Starting Horsepower*						
		180	200	220	240	260	280	300
2 Hours	1160	28	25	22	20	18	16	14
	870	....	....	....	....	....	....	....
	720	....	....	....	....	....	....	....
1 Hour	1160	28	25	22	20	18	16	14
	870	....	....	....	....	....	....	....
	720	....	....	....	....	....	....	....
30 Min.	1160	26	23	20	18	17	15	13
	870	....	....	....	....	....	....	....
	720	....	....	....	....	....	....	....
15 Min.	1160	20	18	16	14	13	11	10
	870	....	....	....	....	....	....	....
	720	....	....	....	....	....	....	....
10 Min.	1160	15	13	12	10	9	8	7
	870	....	....	....	....	....	....	....
	720	....	....	....	....	....	....	....
5 Min.	1160	8	7	6	5	5	4	4
	870	....	....	....	....	....	....	....
	720	....	....	....	....	....	....	....
2 Min.	1160	....	....	....	....	....	....	....
	870	....	....	....	....	....	....	....
	720	....	....	....	....	....	....	....
1 Min.	1160	....	....	....	....	....	....	....
	870	....	....	....	....	....	....	....
	720	....	....	....	....	....	....	....

Table may be interpolated for HP and cycle times between those figures listed.

* Starting HP is dependent on the amount of flow charge used.

Thermal capacities are shown for single cavity units.
For duplex cavities, starting horsepower = (HP * Starting Torque%)/2

Caution: At these capacities, the housing temperature may reach 250 degrees F.

FEATURES/BENEFITS PAGE PT3-2	SPECIFICATION PAGE PT3-3	SELECTION PAGE PT3-4	SELECTION/DIMENSIONS PAGE PT3-8

NOTES

FEATURES/BENEFITS

Gear Couplings

The Power-Dense, High-Torque Gear Coupling

The DODGE Gear Coupling (DGF) offers unmatched performance and proven reliability

Quality Manufacturing

- High-quality steel
- Larger tooth profile provides additional service factor
- Good inherent balance
- Proven O-ring seal design
- Machined flanges and gasket for improved sealing
- High-grade fasteners

Performance Benefits

- High torque rating allows for coupling downsizing
- Versatile design permits interchangeable half couplings
- Low backlash (well suited for reversing applications)
- Crowned tooth profile for longer life and improved performance

DODGE Benefits

- Coupling solutions for any application

  Choose from DODGE coupling family: Gear (DGF), PARA-FLEX, GRID-LIGN, D-FLEX, Rigid and Fluid - all available from stock

- Combine DODGE couplings with any DODGE speed reducer for unmatched performance

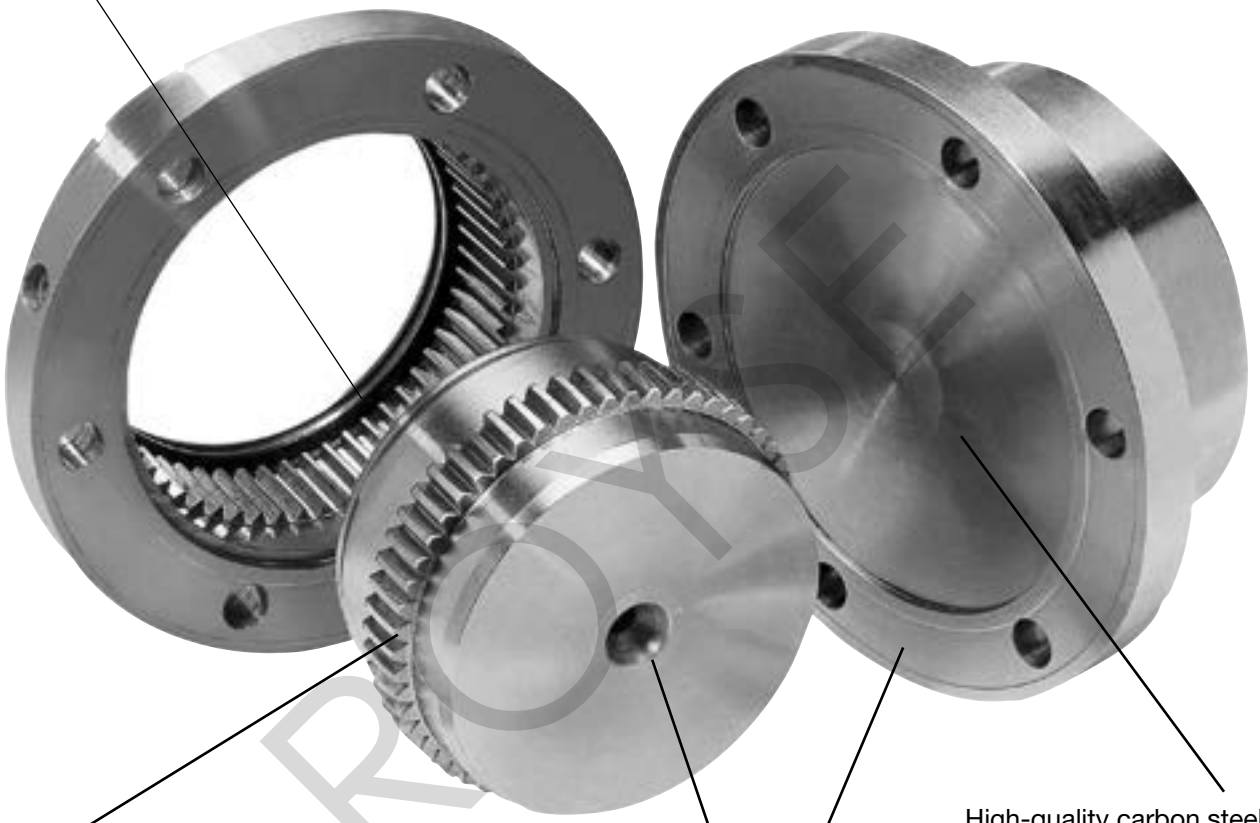
  Choose from thousands of combinations to get a package tailored to meet your needs

- Years of application expertise

  DODGE engineers can help specify products to achieve maximum results from your equipment

FEATURES/BENEFITS

Gear Couplings



SPECIFICATION/HOW TO ORDER/NOMENCLATURE

DODGE®

Gear Couplings

SPECIFICATION

DODGE GEAR COUPLINGS are power dense and capable of transmitting high torque at high speeds while still remaining inherently well balanced. Gear Couplings transmit torque by the mating of two hubs with external gear teeth that are joined by flanged sleeves with internal gear teeth.

Gear Couplings will be provided with interference fit bores unless otherwise specified. The hubs and sleeves will be manufactured of high quality steel.

HOW TO ORDER

Standard couplings consist of:

(2) Flex Hubs

(2) Sleeves

(1) Hardware Kit

NOMENCLATURE

DGF 1.0

DODGE Gear coupling

Size

COMPETITOR INTERCHANGE

DODGE DGF	FALK LIFELIGN	KOP-FLEX KOPPERS SERIES H	AMERIGEAR ZURN F SERIES	LOVEJOY/ SIER-BATH
1	1010G20 *	1	201	-
1.5	1015G20	1-1/2	201-1/2	1.5
2	1020G20	2	202	2
2.5	1025G20	2-1/2	202-1/2	2.5
3	1030G20	3	203	3
3.5	1035G20	3-1/2	203-1/2	3.5
4	1040G20	4	204	4
4.5	1045G20	4-1/2	204-1/2	4.5
5	1050G20	5	205	5
5.5	1055G20	5-1/2	205-1/2	5.5
6	1060G20	6	206	6
7	1070G20	7	207	-

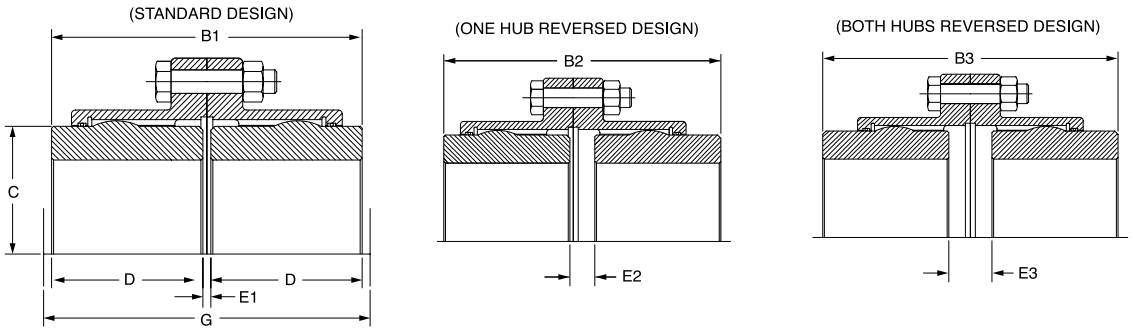
* G20 - FLEX-FLEX
G52 - FLEX-RIGID

NOTE: Instruction manual for Gear Couplings available on www.baldor.com

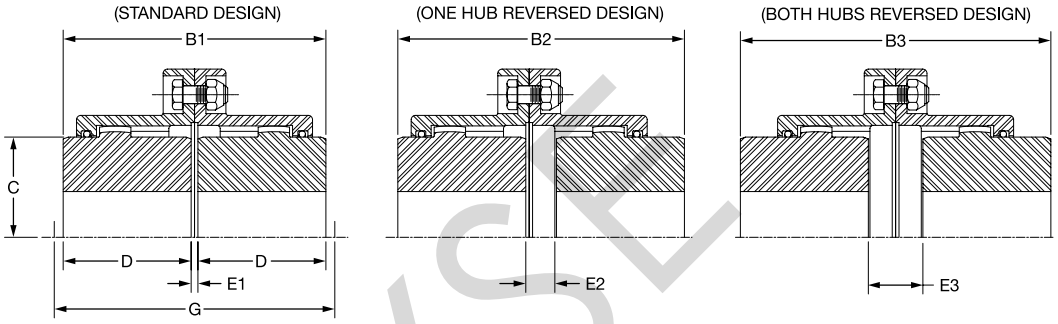
SELECTION/DIMENSIONS

Gear Couplings

Exposed Bolt Design



Shrouded Bolt Design



Size	Min. Bore [in.]	Max. Bore [in.] Standard Keyway		Max. Bore [in.] Shallow Keyway		HP/100+ RPM	Torque+ [lb-in.]	Max. RPM*	Max. Parallel Offset [in.]**	Approx. Weight [lbs.] ***
		Flex Hub	Rigid Hub	Flex Hub	Rigid Hub					
1	0.438	1.625	2.188	1.750	2.313	12	7500	6000	0.055	9
1.5	0.690	2.125	2.813	2.250	3.063	30	18900	5500	0.060	19
2	0.940	2.750	3.500	3.000	3.750	50	31500	5000	0.085	34
2.5	1.440	3.250	4.250	3.375	4.500	90	56700	4400	0.105	55
3	1.440	4.000	4.875	4.250	5.250	150	94500	4000	0.115	86
3.5	1.810	4.625	5.625	4.875	6.125	240	151300	3500	0.130	135
4	2.440	5.375	6.500	5.625	6.875	350	220600	3000	0.150	195
4.5	3.000	6.000	7.375	6.438	8.000	480	302500	2700	0.175	268
5	3.000	6.500	8.375	7.000	8.875	690	434900	2500	0.200	394
5.5	4.000	7.500	9.250	7.875	9.875	910	573500	2200	0.220	526
6	4.000	8.250	10.125	8.750	11.000	1190	750000	2100	0.120	687
7	5.000	9.500	11.250	9.750	12.250	1600	1008400	2000	0.135	1017

\+ Ratings are based on standard interference fit.

* For higher RPM applications, contact DODGE Customer Order Engineering at (864) 284-5700.

** Based on 1-1/2 degrees angular misalignment per gear mesh for sizes 1 through 5-1/2, 3/4 degree angular misalignment per gear mesh for sizes 6 and 7, and maximum bore. Flex-Rigid configurations do not accept parallel misalignment.

*** Approximate weight with minimum bore.

Size	Dimension [in.]								
	B1	B2	B3	C	D	E1	E2	E3	G
1	3-1/2	3-13/16	4-1/8	2-5/16	1-11/16	1/8	7/16	3/4	4-3/16
1.5	4	4-1/4	4-1/2	3	1-15/16	1/8	3/8	5/8	4-3/4
2	5	5-13/16	6-3/8	4	2 -7/16	1/8	13/16	1-1/2	6
2.5	6-1/4	7-1/32	7-13/16	4-5/8	3-1/32	3/16	31/32	1-3/4	7-1/8
3	7-3/8	8-1/32	8-11/16	5-5/8	3-19/32	3/16	27/32	1-1/2	8-1/8
3.5	8-5/8	9-3/16	9-3/4	6-1/2	4-3/16	1/4	13/16	1-3/8	9-3/8
4	9-3/4	10-7/16	11-1/8	7-1/2	4-3/4	1/4	15/16	1-5/8	10-1/4
4.5	10-15/16	12	13-1/16	8-1/2	5-5/16	5/16	1-3/8	2-7/16	11-1/2
5	12-3/8	13-23/32	15-1/16	9-1/2	6-1/32	5/16	1-21/32	3	13
5.5	14-1/8	15-5/8	17-1/8	6-29/32	6-29/32	5/16	1-13/16	3-5/16	14-3/8
6	15-1/8	16-17/32	17-15/16	11-1/2	7-13/32	5/16	1-23/32	3-1/8	17
7	17-3/4	19-1/16	20-3/8	13	8-11/16	3/8	1-11/16	3	20

* Minimum space required to install and align coupling.

FEATURES/BENEFITS PAGE PT1-48	SPECIFICATION/HOW TO ORDER PAGE PT1-51	MODIFICATION/ACCESSORIES PAGE PT1-79	ENGINEERING/TECHNICAL PAGE PT1-81

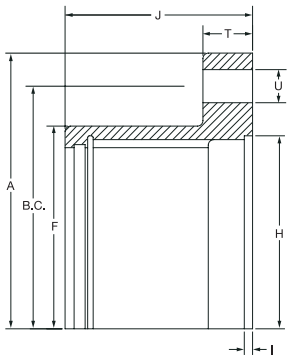
SELECTION/DIMENSIONS

DODGE®

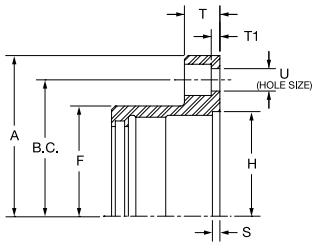
Gear Couplings

(FLANGED SLEEVE AND RIGID HUB DETAILS)

Exposed Bolt Design



Shrouded Bolt Design



Size	Outside Diameter A	Flange Width J	Flange Thickness T	Flange Thickness T1	Hub Diameter F	Undercut Depth I	Undercut Diameter H	Hole Diameter U	Bolt Circle B.C.	Number of Bolts
	All Dimensions in Inches									
1 EB	4-9/16	1-21/32	9/16	-	3	3/32	2 -7/8	1/4	3-3/4	6
1 SB	4-9/16	1-21/32	9/16	1/2	3	3/32	2 -7/8	1/4	3-3/4	6
1.5 EB	6	1-7/8	3/4	-	3-7/8	3/32	3-11/16	3/8	4-13/16	8
1.5 SB	6	1-7/8	3/4	1/2	3-7/8	3/32	3-11/16	3/8	4-13/16	8
2 EB	7	2-3/8	3/4	-	4-13/16	3/32	4-5/8	1/2	5 -7/8	6
2 SB	7	2-3/8	3/4	1/2	4-13/16	3/32	4-5/8	3/8	5-13/16	10
2.5 EB	8-3/8	2-7/8	15/16	-	5-13/16	3/32	5-7/16	5/8	7-1/8	6
2.5 SB	8-3/8	2-7/8	15/16	5/16	5-13/16	3/32	5-7/16	1/2	7	10
3 EB	9-7/16	3-5/16	15/16	-	6-13/16	3/32	6-7/16	5/8	8-1/8	8
3 SB	9-7/16	3-5/16	15/16	5/16	6-13/16	3/32	6-7/16	1/2	8	12
3.5 EB	11	3-13/16	1-1/8	-	7-27/32	3/32	7-3/8	3/4	9-1/2	8
3.5 SB	11	3-13/16	1-1/8	3/8	7-27/32	3/32	7-3/8	5/8	9-9/32	12
4 EB	12-1/2	4-1/4	1-1/8	-	9-3/16	3/16	8-3/4	3/4	11	8
4 SB	12-1/2	4-1/4	1-1/8	3/8	9-3/16	3/16	8-3/4	5/8	10-5/8	14
4.5 EB	13-5/8	4-13/16	1-1/8	-	10-5/16	3/16	9-3/4	3/4	12	10
4.5 SB	13-5/8	4-13/16	1-1/8	3/8	10-5/16	3/16	9-3/4	5/8	11-3/4	14
5 EB	15-5/16	5-1/2	1-1/2	-	11-7/16	3/16	10-3/4	7/8	13-1/2	8
5 SB	15-5/16	5-1/2	1-1/2	9/16	11-7/16	3/16	10-3/4	3/8	13-3/16	14
5.5 EB	16-3/4	6	1-1/2	-	10-1/2	3/16	12-1/8	7/8	14-1/2	14
5.5 SB	16-3/4	6	1-1/2	9/16	10-1/2	3/16	12-1/8	3/4	14-7/16	16
6 EB*	18	6-11/16	1	-	13-15/16	3/16	13 -3/8	7/8	15-3/4	14
7 EB*	20-3/4	7-3/8	1-1/8	-	15-3/4	1/4	14-5/8	1	18-1/4	16

EB = Exposed Bolt Pattern

SB = Shrouded Bolt Pattern

* Sizes 6 & 7 only available in exposed bolt pattern

Part Numbers

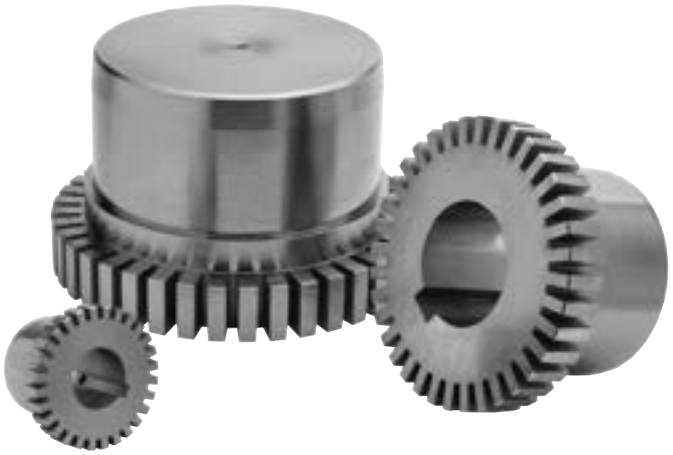
Part Number	Description	Part Number	Description	Part Number	Description
Size 1.0		**Size 3.0**		**Size 5.0**	
013110	DGF 1.0 FLEX HUB	**013126**	DGF 3.0 FLEX HUB	**013142**	DGF 5.0 FLEX HUB
013111	DGF 1.0 SLEEVE EB	**013127**	DGF 3.0 SLEEVE EB	**013143**	DGF 5.0 SLEEVE EB
012975	DGF 1.0 SLEEVE SB	**012979**	DGF 3.0 SLEEVE SB	**012983**	DGF 5.0 SLEEVE SB
013112	DGF 1.0 RIGID HUB EB	**013128**	DGF 3.0 RIGID HUB EB	**013144**	DGF 5.0 RIGID HUB EB
013113	DGF 1.0 EB HARDWARE KIT	**013129**	DGF 3.0 EB HARDWARE KIT	**013145**	DGF 5.0 EB HARDWARE KIT
394171	DGF 1.0 SB HARDWARE KIT	**394175**	DGF 3.0 SB HARDWARE KIT	**394179**	DGF 5.0 SB HARDWARE KIT
Size 1.5		**Size 3.5**		**Size 5.5**	
013114	DGF 1.5 FLEX HUB	**013130**	DGF 3.5 FLEX HUB	**013146**	DGF 5.5 FLEX HUB
013115	DGF 1.5 SLEEVE EB	**013131**	DGF 3.5 SLEEVE EB	**013147**	DGF 5.5 SLEEVE EB
012976	DGF 1.5 SLEEVE SB	**012980**	DGF 3.5 SLEEVE SB	**012984**	DGF 5.5 SLEEVE SB
013116	DGF 1.5 RIGID HUB EB	**013132**	DGF 3.5 RIGID HUB EB	**013148**	DGF 5.5 RIGID HUB EB
013117	DGF 1.5 EB HARDWARE KIT	**013133**	DGF 3.5 EB HARDWARE KIT	**013149**	DGF 5.5 EB HARDWARE KIT
394172	DGF 1.5 SB HARDWARE KIT	**394176**	DGF 3.5 SB HARDWARE KIT	**394180**	DGF 5.5 SB HARDWARE KIT
Size 2.0		**Size 4.0**		**Size 6.0**	
013118	DGF 2.0 FLEX HUB	**013134**	DGF 4.0 FLEX HUB	**013150**	DGF 6.0 FLEX HUB
013119	DGF 2.0 SLEEVE EB	**013135**	DGF 4.0 SLEEVE EB	**013151**	DGF 6.0 SLEEVE EB
012977	DGF 2.0 SLEEVE SB	**012981**	DGF 4.0 SLEEVE SB	**013152**	DGF 6.0 RIGID HUB EB
013120	DGF 2.0 RIGID HUB EB	**013136**	DGF 4.0 RIGID HUB EB	**013153**	DGF 6.0 HARDWARE KIT
013121	DGF 2.0 EB HARDWARE KIT	**013137**	DGF 4.0 EB HARDWARE KIT		
394173	DGF 2.0 SB HARDWARE KIT	**394177**	DGF 4.0 SB HARDWARE KIT		
Size 2.5		**Size 4.5**		**Size 7.0**	
013122	DGF 2.5 FLEX HUB	**013138**	DGF 4.5 FLEX HUB	**013154**	DGF 7.0 FLEX HUB
013123	DGF 2.5 SLEEVE EB	**013139**	DGF 4.5 SLEEVE EB	**013155**	DGF 7.0 SLEEVE EB
012978	DGF 2.5 SLEEVE SB	**012982**	DGF 4.5 SLEEVE SB	**013156**	DGF 7.0 RIGID HUB EB
013124	DGF 2.5 RIGID HUB EB	**013140**	DGF 4.5 RIGID HUB EB	**013157**	DGF 7.0 HARDWARE KIT
013125	DGF 2.5 EB HARDWARE KIT	**013141**	DGF 4.5 EB HARDWARE KIT		
394174	DGF 2.5 SB HARDWARE KIT	**394178**	DGF 4.5 SB HARDWARE KIT		

Ordering Information: Standard Gear Couplings may be orders in 3 different assemblies -

1. **Flex-Flex (or Full Flex): To order a complete Flex-Flex coupling you need - (2) Flex Hubs [reborable], (2) Sleeves (includes Seal), and (1) Hardware Kit.**
2. **Flex-Rigid: To order a complete Flex-Rigid Coupling you need - (1) Flex Hub [reborable], (1) Sleeve (includes Seal), (1) Rigid Hub [reborable], and (1) Hardware Kit.**
3. **Rigid-Rigid: To order a complete Rigid-Rigid Coupling you need - (2) Rigid Hubs [reborable], and (1) Hardware Kit.**

FEATURES/BENEFITS

GRID-LIGN



The basic GRID-LIGN coupling consists of two steel shaft hubs, a high strength spring steel tapered grid element, two seals and a cover assembly. Misalignment and end float are accommodated by the sliding action of the grid in the lubricated hub grooves.

Standard GRID-LIGN couplings operate reliably between -22° and +215°F. They can accept angular misalignment to 1/2°, parallel misalignment to.012”, and end float to .375”. Speed capability goes as high as 6000 RPM.

GRID-LIGN couplings can be mounted with TAPER-LOCK bushings on shafts from 1/2” to 3-15/16”. Straight bore hubs go up to 13” bore.

Flexible Tapered Element

- Isolates vibration, cushions shock loads
- Allows uniform contact during light, normal and shock loading conditions
- Lengthens machine life
- Constructed from tempered spring steel for long life

High Torque Capability

- Torque ranges from 464 to 1,650,000 in. lbs.
- Steel components allow for compact size

Interchangeability

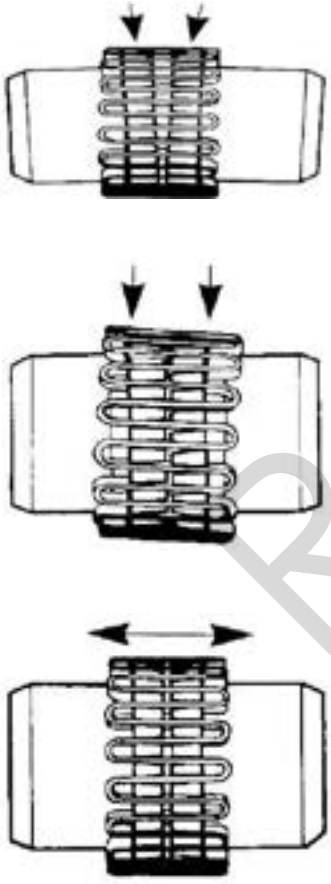
- Stock GRID-LIGN coupling configurations include the standard full-flex design in vertically or horizontally split covers, half spacers and full spacers
- Interchangeable with other tapered grid style couplings

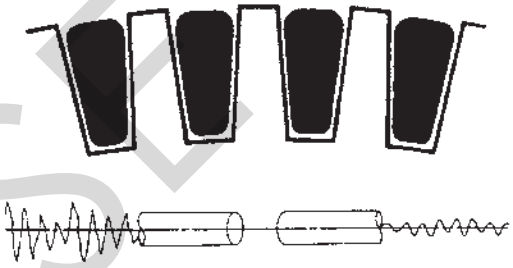
FEATURES/BENEFITS

GRID-LIGN

STYLE, SIZES AND RATINGS CHART

Coupling Styles	Number of Sizes	Maximum Ratings		
		Bore	Torque	Speed
T10 Standard Coupling H Cover	19	13.0"	1,650,000	6000
T20 Standard Coupling V Cover	10	5.0"	75,000	6000
T31 Full Spacer	8	4.25"	30,000	3600
T35 Half Spacer	8	4.25"	30,000	3600





TAPERED GRID DESIGN

- Tapered grid element, combined with the contoured hub grooves, transmit torque efficiency while accommodating misalignment and cushioning shock loads
- Grid element made from high strength steel that is quenched and tempered for long life

SPECIFICATION/HOW TO ORDER/NOMENCLATURE

GRID-LIGN

SPECIFICATION

GRID-LIGN Couplings are tapered grid style with hubs, grids and covers which are interchangeable with other industry standard tapered grid couplings. Grid hubs are machined steel, protected with an anti-rust coating. Hubs have optional methods of attachment to the shaft including but not limited to: clearance fit, interference fit or TAPER-LOCK bushings. Clearance fits and interference fits are supplied with an industry standard keyway. Clearance fits are supplied with two set screws, one over the key and one at 65°. The grid element is made of high strength spring steel, heat treated and shot peened to enhance strength and durability.

The coupling is designed and manufactured such that the grid member can be replaced without disturbing the connected equipment and without the requirement for realignment. All Grid-Lign Couplings are fitted with covers to retain lubrication and prevent the entry of abrasives and contaminants. Covers are of a two piece design to facilitate installation and are available as axial split or radial split. DODGE will provide recommendations for types and amounts of lubricant suitable for operation in ambient temperatures from -22°F to +215°F.

Spacer Couplings consist of two shaft hubs and a center assembly consisting of two spacer hubs, one grid and cover. The center assembly is readily removable to facilitate maintenance on pumps or other connected equipment. The center assembly must be replaceable without disturbing the coupled equipment and without realignment.

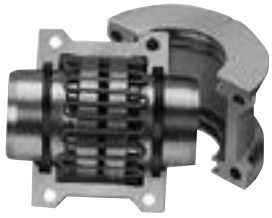
NOTE: Instruction manuals for all Dodge products available at www.baldor.com

GRID-LIGN

HOW TO ORDER

Standard couplings consist of:	Spacer couplings consists of:
(2) Shaft Hubs (1) Grid & Cover Assembly (T10 or T20)	T31 Spacer (2) "T" Shaft Hubs (2) Spacer Hubs (1) T10 Grid & Cover Assembly T35 Half Spacer (1)Shaft Hub (1) Spacer Hub (1) "T" Shaft Hub (1) T10 Grid & Cover Assembly

NOMENCLATURE



1020 **T10**

Size

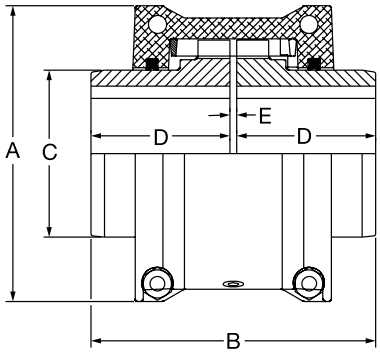
Coupling Type

T10 = Horizontal Split Cover
T20 = Vertical Split Cover
T31 = Full Spacer
T35 = Half Spacer

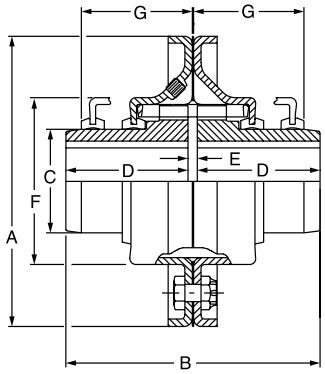
SELECTION/DIMENSIONS

GRID-LIGN

RATINGS AND DIMENSIONS FOR COUPLING SIZES 1020T - 1140T



TYPE T10



TYPE T20

Coupling Size	Straight Bore			TAPER-LOCK		HP/100		TORQUE		Max. RPM	
	Min. Bore	Maximum Bore		Min. Bore	Max. Bore	Str. Hub	T-L Hub	Str. Hub (In-Lbs)	T-L Hub (In-Lbs)		
		Sq. Key	Rec. Key							T10	T20
1020T	0	1-1/8	1-3/16	N/A	N/A	0.74	-	464	-	4500	6000
1030T	0	1-3/8	1-7/16	1/2	1-1/8	2.09	1.9	1320	1200	4500	6000
1040T	0	1-5/8	1-3/4	1/2	1-1/8	3.49	2.1	2200	1300	4500	6000
1050T	0	1-7/8	2	1/2	1-1/4	6.11	5.6	3850	3500	4500	6000
1060T	0	2-1/8	2-1/4	1/2	1-11/16	9.60	6.8	6050	4300	4350	6000
1070T	0	2-1/2	2-11/16	1/2	2-1/8	13.96	11.3	8800	7150	4125	5500
1080T	0	3	3-1/4	3/4	2-11/16	28.80	17.9	18150	11300	3600	4750
1090T	0	3-1/2	3-3/4	15/16	3-1/4	52.36	38.1	33000	24000	3600	4000
1100T	0	4	4-1/4	15/16	3-1/4	88.14	38.1	55550	24000	2440	3250
1110T	0	4-1/2	4-5/8	1-13/16	3-15/16	130.90	71.1	82500	44800	2250	3000
1120T	2-3/8	5	5-3/8	*	*	191.99	*	121000	*	2025	2700
1130T	2-5/8	6	6-1/2	*	*	279.25	*	176000	*	1800	2400
1140T	2-5/8	7	7-1/4	*	*	401.43	*	253000	*	1650	2200

Coupling Size	A		B		C	D		E	Weight (Lbs.) (1)		Inertia
	T10	T20	Str. Hub	T-L Hub		Str. Hub	T-L Hub		T10	T20	(Lb. Ft.^{2}) (2)
1020T	3.47	4.38	3.89	N/A	1.56	1.9	N/A	0.1	2.8	3.0	0.03
1030T	3.88	4.75	3.89	3.39	1.94	1.9	1.6	0.1	3.8	4.0	0.1
1040T	4.22	5.06	4.13	3.36	2.25	2.0	1.6	0.1	4.7	4.9	0.1
1050T	5.09	5.81	4.88	3.89	2.63	2.4	1.9	0.1	7.3	7.5	0.2
1060T	5.47	6.38	5.13	4.38	3.00	2.5	2.1	0.1	11.0	11.0	0.3
1070T	5.92	6.81	6.13	4.38	3.44	3.0	2.1	0.1	13.8	14.0	0.4
1080T	6.92	7.88	7.13	5.39	4.13	3.5	2.6	0.1	25.1	25.6	1.01
1090T	7.70	9.13	7.88	6.39	4.88	3.9	3.1	0.1	35.1	35.6	1.7
1100T	9.88	10.50	9.69	7.19	5.59	4.8	3.5	0.2	62.6	63.2	3.7
1110T	10.63	11.25	10.19	7.45	6.31	5.0	3.6	0.2	78.5	79.0	5.6
1120T	12.13	12.56	12.00	*	7.06	5.9	*	0.3	114.0		10.8
1130T	13.63	14.88	13.00	*	8.56	6.4	*	0.3	165.0		20.2
1140T	15.13	16.38	14.75	*	10.00	7.3	*	0.3	236.0		36.4

(1) Weight of complete coupling at maximum bore

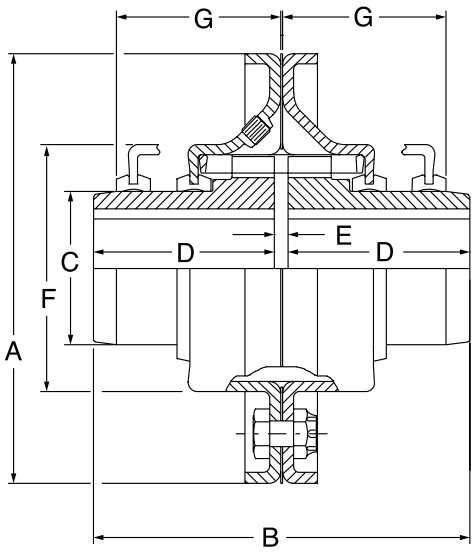
(2) Inertia of complete coupling at maximum bore

* Priced on Request

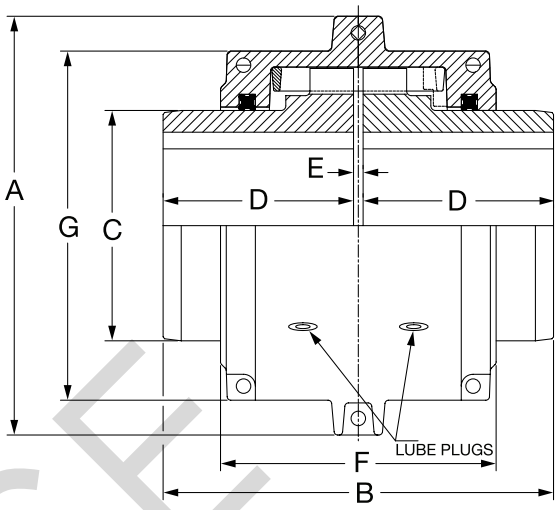
SELECTION/DIMENSIONS

GRID-LIGN

COUPLINGS SIZES FOR 1150T - 1200T



TYPE T20



TYPE T10

Coupling Size	Straight Bore		Torque		Maximum RPM		Weight (lbs) (1)	Inertia (lb ft²) (2)
	Minimum	Maximum	HP/100	In-Lbs	T10	T20		
1150T	4.1	8.0	558.5	352000	1500	2000	516	12387
1160T	4.6	9.0	785.4	495000	1350	1750	699	20192
1170T	5.1	10.0	1047.2	660000	1225	1600	988	35251
1180T	5.8	11.0	1451.8	915000	1110	1400	1365	63935
1190T	5.8	12.0	1919.9	1210000	1050	1300	1711	95407
1200T	6.8	13.0	2618.0	1650000	900	1100	2333	158256

Coupling Size	A		B	C	D	E	F	G
	T10	T20						
1150T	17.9	18.8	14.7	10.6	7.2	0.3	10.8	15.5
1160T	19.8	21.0	15.9	12.0	7.8	0.3	11.0	17.2
1170T	22.4	23.0	17.3	14.0	8.5	0.3	12.2	19.2
1180T	24.8	24.8	19.1	15.5	9.4	0.3	12.7	21.9
1190T	26.4	27.0	20.7	18.3	10.2	0.3	12.8	23.8
1200T	30.0	29.0	22.3	19.6	11.0	0.3	14.0	26.1

(1) Weight of complete coupling at minimum bore

(2) Inertia of complete coupling at minimum bore

PT Component Reference Guide
Couplings
Clutches and Brakes
FLEXIDYNE
Fluid Couplings
TORQUE-TAMER
Bushings

SELECTION/DIMENSIONS

GRID-LIGN

Type T10 And T20 GRID-LIGN Couplings Part Numbers - Sizes 1020T Thru 1090T

Size	1020T	1030T	1040T	1050T	1060T	1070T	1080T	1090T
T10 Grid/Cover	• 006750	• 006751	• 006752	• 006753	• 006754	• 006755	• 006756	• 006757
T20 Grid/Cover	• 006765	• 006766	• 006767	• 006768	• 006769	• 006770	• 006771	• 006772
Grid	• 006275	• 006276	• 006277	• 006278	• 006279	• 006280	• 006281	• 006282
T10 Cover	• 006250	• 006251	• 006252	• 006253	• 006254	• 006255	• 006256	• 006257
T20 Cover	• 006260	• 006261	• 006262	• 006263	• 006264	• 006265	• 006266	• 006267
T-L Hubs	N/A	• 006318	• 006319	• 006320	• 006321	• 006322	• 006323	• 006324
Bushing Size	N/A	1108	1108	1215	1615	2012	2525	3030
Reborable	• 006290	• 006291	• 006292	• 006293	• 006294	• 006295	• 006296	• 006297
Finished Bore Hub								
1/2	006580							
5/8	006581	006585						
3/4	• 006582	• 006586						
7/8	006583	• 006587	• 006592	• 006576				
15/16	006571	006572	006950	006953	006957			
1	• 006584	• 006588	• 006593	• 006577				
1-1/8	• 006793	• 006589	• 006594	• 006599	006578			
1-3/16			006951	006954	006958			
1-1/4		• 006590	• 006595	• 006600	• 006579	006629		
1-3/8		• 006591	• 006596	• 006601	• 006606	006640		
1-7/16			006952	006955	006643	006961		
1-1/2			• 006597	• 006602	• 006607	• 006641	006642	006540
1-5/8			• 006598	• 006603	• 006608	• 006612	006539	
1-11/16				• 006956	006959	006962		
1-3/4				006604	• 006609	• 006613		
1-7/8				• 006605	• 006610	• 006614	006573	006541
1-15/16					• 006960	006963		
2					• 006794	• 006615	006620	
2-1/8					• 006611	• 006616	• 006621	006656
2-3/16						• 006964	006966	
2-1/4						• 006617	• 006622	• 006657
2-3/8						• 006618	• 006623	• 006804
2-7/16						• 006965	006967	
2-1/2						006619	• 006624	• 006795
2-5/8						006479	006625	006796
2-11/16							006968	006790
2-3/4							006626	006797
2-7/8							• 006627	• 006798
2-15/16							006969	006791
3							006628	006799
3-1/8								006800
3-1/4								006801
3-3/8								• 006802
3-7/16								006792
3-1/2								006803
3-5/8								
3-3/4								006480
3-7/8								
3-15/16								
4								

• Stock Sizes *Priced on request

Note: For TAPER-LOCK design, TAPER-LOCK bushings must be ordered separately

Note: 1020T - 1090T hubs come standard as clearance fit. Interference fit available on request.

Complete coupling consists of: (2) Hubs, TAPER-LOCK or straight bore, and (1) grid & cover assembly

SELECTION/DIMENSIONS

GRID-LIGN

Type T10 And T20 GRID-LIGN Couplings Part Numbers - Sizes 1100T Through 1200T

Size	1100T	1110T	1120T	1130T	1140T	1150T	1160T	1170T	1180T	1190T	1200T
T10 Grid/Cover	• 006758	• 006759	• 006760	• 006761	• 006762	• 007456	• 007457	• 007458	• 007459	• 007460	• 007461
T20 Grid/Cover	• 006773	• 006774	425514	423677	426916	007017	007018	007019	007020	007021	007022
Grid	• 006283	• 006284	007462	007463	007464	• 007465	• 007466	• 007467	• 007468	• 007469	• 007470
T10 Cover	• 006258	• 006259	007471	007472	007473	• 007474	• 007475	• 007476	• 007477	• 007478	• 007479
T20 Cover	• 006268	• 006269	426672	426673	426674	007011	007012	007013	007014	007015	007016
T-L Hubs	• 006325	• 006326	423589	393257	*	*	*	*	*	*	*
Bushing Size	3030	3535	4040	4545	*	*	*	*	*	*	*
Reborable	• 006298	• 006299	• 006300	• 006301	• 006245	• 007450	• 007451	• 007452	• 007453	• 007454	• 007455
Finished Bore Hubs											
2-1/2	006460										
2-5/8	006461										
2-11/16	006473										
2-3/4	006462										
2-7/8	006463										
2-15/16	006474										
3	006464	006486									
3-1/8	006465	006487									
3-1/4	006466	006488									
3-3/8	• 006467	006489									
3-7/16	006475	006484									
3-1/2	006468	006490									
3-5/8	006469	006491									
3-3/4	006470	006492									
3-7/8	006471	006493									
3-15/16	006476	006485									
4	006472	006494									

• Stock Sizes *Priced on request

Note: For TAPER-LOCK design, TAPER-LOCK bushings must be ordered separately

Note: 1100T - 1200T hubs come standard as interference fit. Clearance fit available on request

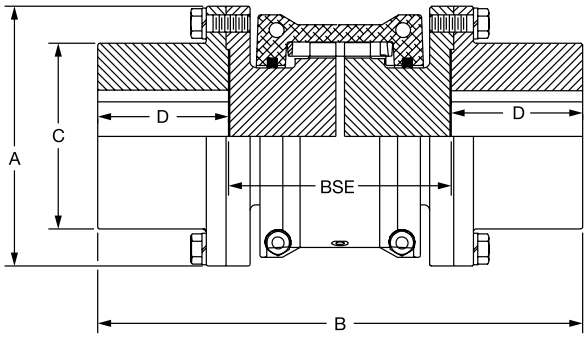
Complete coupling consists of: (2) Hubs, TAPER-LOCK or straight bore, and (1) grid & cover assembly.

TL Bushings on page PT6-2

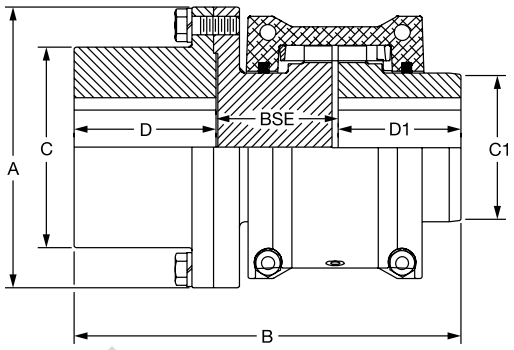
SELECTION/DIMENSIONS

GRID-LIGN

SPACER, STRAIGHT BORE & TAPER-LOCK DIMENSIONS/RATINGS



TYPE T31



TYPE T35

Coupling Size	Straight Bore			TAPER-LOCK		HP/100 (5)		TORQUE (5)		Max. RPM	T31 Weight*	
	Min. Bore	Maximum Bore		Min. Bore	Max. Bore	Str. Hub	T-L Hub	Str. Hub (In-Lbs)	T-L Hub (In-Lbs)		(1)	(2)
		Sq. Key	Rec. Key									
1020T	---	1-3/8	1-7/16	1/2	1-1/8	0.67	0.67	422	422	3600	8.1	.54
1030T	---	1-5/8	1-3/4	1/2	1-1/8	1.90	1.90	1200	1200	3600	11.1	.83
1040T	---	2-1/8	2-1/4	1/2	1-7/16	3.20	3.20	2000	2000	3600	18.0	1.11
1050T	---	2-3/8	2-1/2	1/2	1-11/16	5.60	5.60	3500	3500	3600	26.6	1.52
1060T	---	2-7/8	3-1/8	1/2	2-1/8	8.70	8.70	5500	5500	3600	42.7	1.98
1070T	---	3-1/8	3-1/4	3/4	2-11/16	13.00	13.00	8000	8000	3600	52.3	2.60
1080T	---	3-1/2	3-3/4	3/4	2-11/16	26.00	17.90	16,500	11,300	3600	84.8	3.70
1090T	---	4	4-1/4	15/16	3-1/4	48.00	38.10	30,000	24,000	3600	130.0	5.20

Coupling Size	A	C	C1	D	D1	T31 BSE		T35 BSE		T31 Inertia (Lb. Ft.^{2})	
						Min.	Max.	Min.	Max.	(3)	(4)
1020T	3.38	2.06	1.56	1.38	1.88	3.50	8.00	1.78	4.03	0.07	0.001
1030T	3.69	2.34	1.94	1.63	1.88	3.50	8.50	1.78	4.28	0.11	0.003
1040T	4.44	3.11	2.25	2.13	2.00	3.50	8.50	1.78	4.28	0.21	0.005
1050T	4.94	3.44	2.63	2.38	2.38	4.38	8.50	2.22	4.28	0.51	0.010
1060T	5.69	4.06	3.00	2.88	3.50	5.00	13.00	2.53	6.53	0.88	0.020
1070T	6.00	4.31	3.44	3.13	3.00	5.00	13.00	2.53	6.53	1.23	0.030
1080T	7.00	4.81	4.13	3.50	3.50	7.25	16.00	3.66	8.03	2.49	0.060
1090T	8.25	5.63	4.88	4.00	3.88	7.25	16.00	3.66	8.03	5.01	0.110

(1) Weight of T31 coupling at maximum bore

(2) Weight adder per inch

(3) Inertia of T31 coupling at maximum bore

(4) Inertia adder per inch

(5) HP/100 and TORQUE ratings for T-L style shaft hubs apply for "T" shaft hubs. See page PT1-52 for standard T-L style shaft hubs

* For weight and inertia of T35 use 1/2 of T31 value (this page) and 1/2 T10 value (page PT1-52)

SELECTION/DIMENSIONS

GRID-LIGN

Type T 31 And T35 GRID-LIGN Couplings, Spacer Straight Bore "T" Hubs, TAPER-LOCK "T" Hubs, Grids And Covers - Part Numbers

Size	1020T	1030T	1040T	1050T	1060T	1070T	1080T	1090T
T10Grid/Cover	• 006750	• 006751	• 006752	• 006753	• 006754	• 006755	• 006756	• 006757
Grid	• 006275	• 006276	• 006277	• 006278	• 006279	• 006280	• 006281	• 006282
T10 Cover	• 006250	• 006251	• 006252	• 006253	• 006254	• 006255	• 006256	• 006257
T-L Hubs	• 006328	• 006329	• 006330	• 006331	• 006332	• 006333	• 006334	• 006335
Bushing Size	1108	1108	1310	1615	2012	2525	2525	3030
Reborable	• 006305	• 006306	• 006307	• 006308	• 006309	• 006310	• 006311	• 006312
Finished Bore Hubs								
5/8	006903							
7/8	• 006904	006907	006399					
1	006905	006908	• 006970	006984				
1-1/8	006906	006909	006971	006985				
1-1/4	006396	006397	006400	006402	006411			
1-3/8	• 006560	006894	006972	006986	006412			
1-7/16				006456				
1-1/2				006481	006413			
1-5/8		• 006398	006973	006987	006414	006417	006433	
1-3/4			006974	006988	006990	006418		
1-7/8			006564	006989	006991	006419	006434	• 006440
2				006457	006482			
2-1/8			006401	006565	006992	006429	006435	
2-3/8				006566	• 006567	• 006430	006458	006451
2-7/16					006415		006550	
2-5/8					006416		006436	
2-7/8					• 006568	006431	006437	006452
3						006432	006438	006453
3-3/8							• 006439	006454
3-7/8							006455	006455

• Stock Sizes

Complete spacer couplings consists of:

T31 Spacer - (2) "T" Shaft Hubs
(2) Spacer Hubs (Page PT1-58)
(1) T10 Grid & Cover Assembly

T35 Half Spacer - (1) Shaft Hub (Page PT1-49)
(1) Spacer Hub (Page PT1-59)
(1) "T" Shaft Hub
(1) T10 Grid & Cover Assembly

NOTE: For TAPER-LOCK designs, TAPER-LOCK bushings must be ordered separately. Refer to bushing section PT6-16.

NOTE: 1020T - 1090T hubs come standard as clearance fit. Interference fit available on request.

SELECTION/DIMENSIONS

GRID-LIGN

Type T31 - Full Spacer

B.S.E. Dimensions (in.)	Coupling Size															
	1020T Spacer Assembly		1030T Spacer Assembly		1040T Spacer Assembly		1050T Spacer Assembly		1060T Spacer Assembly		1070T Spacer Assembly		1080T Spacer Assembly		1090T Spacer Assembly	
	P/N	Qty.	P/N	Qty.	P/N	Qty.	P/N	Qty.	P/N	Qty.	P/N	Qty.	P/N	Qty.	P/N	Qty.
3.5	006497	2	006504	2	006516	2										
3.94	006497	1	006504	1	006516	1										
	006498	1	006505	1	006517	1										
4.25	006497	1	006504	1	006516	1										
	006499	1	006506	1	006518	1										
4.38	006498	2	006505	2	006517	2	006533	2								
4.69	006498	1	006505	1	006517	1	006533	1								
	006499	1	006506	1	006518	1	006534	1								
5	006499	2	006506	2	006518	2	006534	2	006544	2	006553	2				
5.22					006516	1										
					006519	1										
5.38			006504	1	006516	1										
			006507	1	006520	1										
5.66					006517	1	006533	1								
					006519	1	006535	1								
5.81			006505	1	006517	1	006533	1								
			006507	1	006520	1	006536	1								
5.97					006518	1	006534	1								
					006519	1	006535	1								
6.12			006506	1	006518	1	006534	1	006544	1	006553	1				
			006507	1	006520	1	006536	1	006545	1	006554	1				
6.94					006519	2	006535	2								
7.09					006519	1	006535	1								
					006520	1	006536	1								
7.25			006507	2	006520	2	006536	2	006545	2	006554	2	006561	2	006569	2
8.00																
8.59													006561	1		
													006562	1		
8.62									006544	1	006553	1				
									006546	1	006555	1				
8.88																
9.75									006545	1	006554	1	006561	1	006569	1
									006546	1	006555	1	006563	1	006570	1
9.94													006562	2		
11.09													006562	1		
													006563	1		
12.25									006546	2	006555	2	006563	2	006570	2

SELECTION/DIMENSIONS

GRID-LIGN

Type T35 - Half Spacer

B.S.E. Dimensions (in.)	Coupling Size															
	1020T		1030T		1040T		1050T		1060T		1070T		1080T		1090T	
	Spacer Assembly		Spacer Assembly		Spacer Assembly		Spacer Assembly		Spacer Assembly		Spacer Assembly		Spacer Assembly		Spacer Assembly	
	P/N	Qty.	P/N	Qty.	P/N	Qty.	P/N	Qty.	P/N	Qty.	P/N	Qty.	P/N	Qty.	P/N	Qty.
1.78	006497	1	006504	1	006516	1										
2.22	006498	1	006505	1	006517	1	006533	1								
2.53	006499	1	006506	1	006518	1	006534	1	006544	1	006553	1				
3.50					006519	1	006535	1								
3.66			006507	1	006520	1	006536	1	006545	1	006554	1	006561	1	006569	1
4.06																
5.00													006562	1		
6.16									006546	1	006555	1	006563	1	006570	1

T31 - Full Spacer

T35 - Half Spacer

FEATURES/BENEFITS

DODGE PARA-FLEX Couplings

Superior "Problem Solver" Element Design

- Industry leading misalignment capabilities
- End split reinforcement for increased torque ratings and extended life
- Reinforced torque-carrying tension cords prevent unexpected downtime
- Uniform and centered beads prevent element pull out during operation
- Protects connected equipment by damping vibrations and shock loads

Industry Leading Five-Year Limited Warranty

- Over 50 years of proven performance
- Reliable product operation
- Includes sizes PX40 to PX200

Increased Productivity

- Non-lubricated design assures trouble-free operation
- Visual inspection saves time and allows for preventive maintenance
- Split element for easy installation

ATEX Approved

- All documents and markings included with standard product to meet ATEX requirements

TAPER-LOCK Flange Design

- Utilizes standard TAPER-LOCK bushings for easy installation and removal
- Reversible flanges for H and F style mounting on sizes PX50-PX120
- "TLX" extended bore capacity flanges for increased bore capacities
- Pre-assembled for quick installation

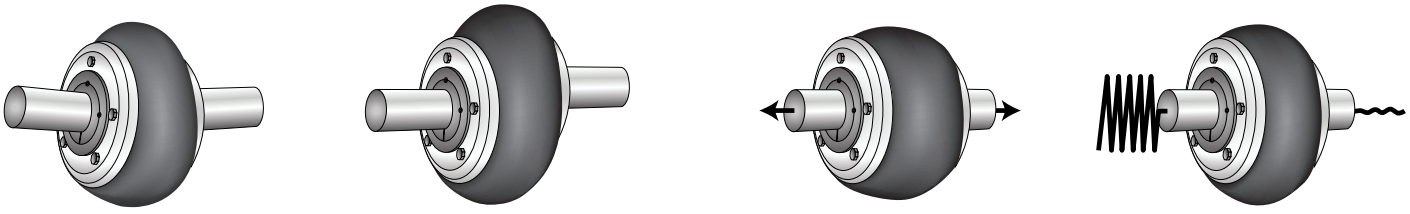
QD Flange Design

- Utilizes standard QD bushings for easy installation and removal
- Industry leading bore and torque capacities versus competitive designs
- Hardware installs from inside or outside of the hub for mounting flexibility
- Pre-assembled for quick installation

Bored to Size

- Steel flanges are ideal for high shock load and vibration applications
- Largest bore capacity of all Para-Flex products

Accommodates Misalignment



Takes 4° angular misaligment | Takes 1/8" parallel misaligment | Takes end-float of 1/4" to 5/16" | Dampens vibrations

PARA-FLEX

SPECIFICATION

PARA-FLEX Couplings employ a molded, non-lubricated elastomeric flexing member loaded in shear. The flexible element is compounded natural or neoprene rubber with textile cord reinforcement throughout and has an extra layer of reinforcement adjacent to the split for added durability. The compound of natural rubber element shall be suitable for operation in ambient temperature from -45°F to +180°F; Neoprene -40°F to +210°F.

The flexible element is attached by clamping between axially separable rings with exposed cap screws. The couplings are designed to be capable of accommodating combined misalignments of 4° angular, 1/8" parallel, and 5/16" end float at the full rating of the coupling without restricting the life of the coupling. The flexible element must be replaceable without disturbing the coupled equipment and without the requirement for realignment.

The coupling assemblies have optional methods of attachment to the shaft including but not limited to: clearance fit, interference fit TAPER-LOCK or QD bushings. Clearance fits are supplied with an industry standard keyway and two set screws, one over the key and one at 65°.

1 PX40:	4° angular, 1/16" parallel, 3/16" end float.
2 PX110:	4° angular, 1/8" parallel, 1/4" end float.
3 PH & PF:	1° angular, 1/16" parallel, 3/16" end float.

PARA-FLEX Couplings are static conductive.

HOW TO ORDER

Standard couplings consist of:

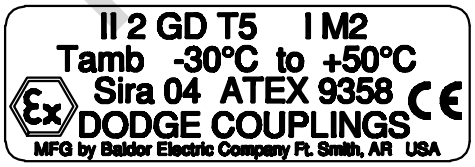
(2) Flange Assemblies

(1) Flexible Element

(2) Bushings (TL or QD)

ATEX Approved

- All documents and markings included with standard product to meet ATEX requirements



SPECIFICATION/HOW TO ORDER/NOMENCLATURE

NOMENCLATURE

PX **40** **FBX**

PARA-FLEX

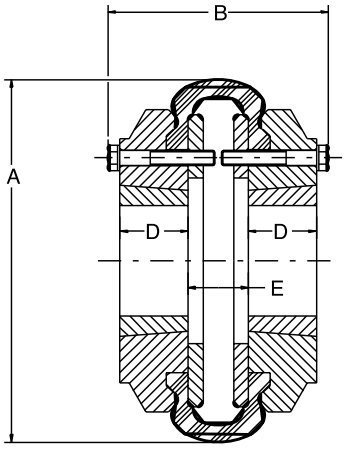
X = Standard
H = High Speed
F = Flywheel

Size (PX only): Approx. 4” O.D.

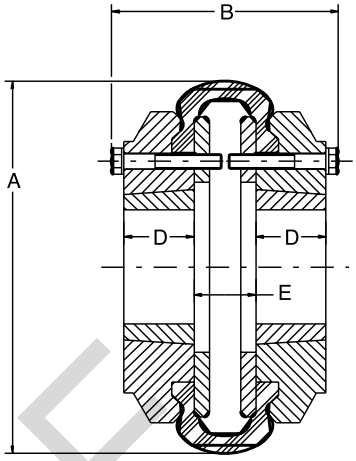
TL = TAPER-LOCK®
TLX = TAPER-LOCK, Extra Capacity
QD = QD Bushed
BBS = Bored-To-Size, Steel
TBS = One Taper Bored, one Bored-To-size, Steel
BBPS = BBS, Piloted for Floating Shaft
TBPS = TBS, Piloted for Floating Shaft

SELECTION/DIMENSIONS

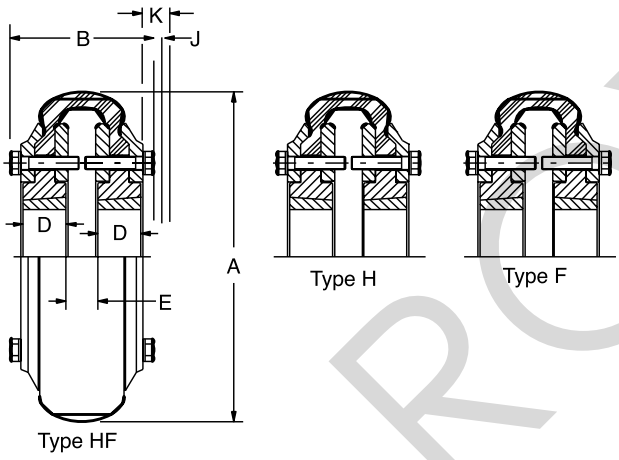
Standard, TAPER-LOCK



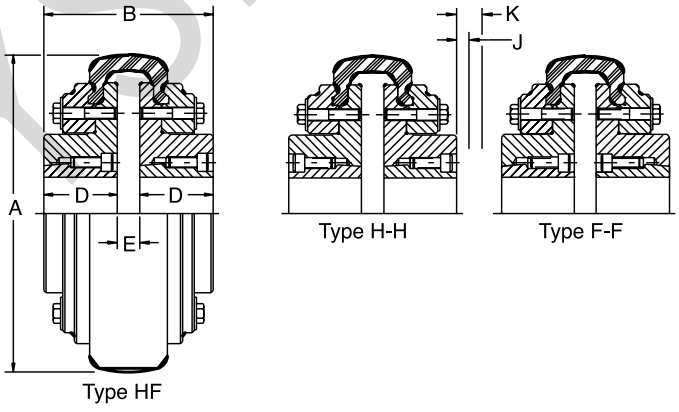
Style 1
Type H Taper-Lock



Style 1
Type F Taper-Lock



Style 2 Taper-Lock couplings
with reversible flange



Style 3 PARA-FLEX Taper-Lock couplings

DODGE®

SELECTION/DIMENSIONS

Standard, TAPER-LOCK

Coupling Size	TAPER-LOCK Bushing Size	Max. Bore	HP/100	Torque (In-Lbs)	Max. RPM	Style	A	B	D	E	J (1)	K (2)	Weight (Lbs.) (3)	Intertia (Lb-Ft²) (4)
PX40TL	1008	1	0.68	429	4500	1	4.25	3	0.88	0.77	0.63	0.75	4.2	0.05
PX50TL	1108	1-1/8	1.43	900	4500	1	5.25	2.75	0.88	0.53	0.63	0.75	4.7	0.07
PX60TL	1310	1-7/16	2.86	1800	4000	1	6.5	3.34	1	0.72	0.81	1.06	9.2	0.21
PX70TL	1610	1-11/16	3.49	2200	3600	2	7.38	3.56	1	0.95	0.81	1.06	13	0.3
PX70TLX-F	2012	2-1/8	3.49	2200	3600	3	7.38	3.83	1.25	0.95	0.94	1.38	14.8	0.3
PX80TL	2012	2-1/8	5.72	3605	3100	2	8.38	3.75	1.25	0.77	0.94	1.38	19.6	0.73
PX80TLX-F	2517	2-11/16	5.72	3605	3100	3	8.38	3.99	1.75	0.77	1	1.63	24.7	0.8
PX90TL	2517	2-11/16	7.15	4502	2800	2	9.25	4.03	1.75	0.33	1	1.63	28.8	1.3
PX100TL	2517	2-11/16	8.58	5402	2600	2	10	4.22	1.75	0.52	1	1.63	38	2.2
PX100TLX-F	3020	3-1/4	8.58	5402	2600	3	10	4.36	2	0.52	1.19	2.06	42.6	2.4
PX110TL	2517	2-11/16	12.3	7750	2300	2	11	4.53	1.75	0.47	1	1.63	52.1	3.7
PX110TLX-F	3020	3-1/4	12.3	7750	2300	3	11	4.75	2	0.47	1.19	2.06	57.2	3.9
PX110TLX-H	3020	3-1/4	12.3	7750	2300	3	11	4.75	2	0.47	1.19	2.06	57.2	3.9
PX120TL	3020	3-1/4	20	12605	2100	2	12.38	5.03	2	0.44	1.19	2.06	74.4	6.6
PX120TLX-F	3525	3-15/16	20	12605	2100	3	12.38	5.45	2.5	0.44	1.31	2.69	88.1	7.4
PX140TL	3535	3-15/16	44	27590	1840	3	14.13	7.81	3.5	0.81	1.31	2.69	156	18.7
PX160TL	4040	4-7/16	60	37800	1560	3	16.63	9.19	4	1.19	1.63	3.38	243	33.7
PX200TL	4545	4-15/16	131	82500	1300	3	20	10.31	4.5	1.31	1.94	4.06	417	101
PX240TL	5050	5	240	151200	1080	3	24.13	11.91	5	1.91	2.31	4.81	682	231
PX280TL	7060	7	480	302200	910	3	28.5	15.97	6	2.22	1.63	4.38	1148	544
PX320TL	8065	8	719	453000	810	3	32.5	16.31	6.5	2.06	1.63	4.38	1640	1077

Notes: (1) Space required to tighten bushing with shortened hex key.
(2) Space required to loosen bushing with shortened hex key.
(3) Weight of complete coupling with bushing.
(4) Inertia of complete coupling with bushing.

Flange assembles may be combined or interchanged for a given element size.

Upon combination, dimensions B and E as well as mass and inertia should be average to determine appropriate value.

SELECTION/DIMENSIONS

Standard, TAPER-LOCK Part Numbers

TAPER-LOCK Flange Assemblies

Coupling Size	Flange Assembly Part No.		TAPER-LOCK Bushing Size
	Type H	Type F	
PX40TL	**000849**	**000848**	1008
PX50TL	**010601**	✻	1108
PX60TL	**010602**	✻	1310
PX70TL	**010603**	✻	1610
PX70TLX-F	**-**	**395277**	2012 •
PX80TL	**010604**	✻	2012
PX80TLX-F	**-**	**395278**	2517 •
PX90TL	**010605**	✻	2517
PX100TL	**010606**	✻	2517
PX100TLX-F	**-**	**395279**	3020 •
PX110TL	**010607**	✻	2517
PX110TLX-H	**395281**	**-**	3020 •
PX110TLX-F	**-**	**395280**	3020 •
PX120TL	**010608**	✻	3020
PX120TLX-F	**-**	**395282**	3525 •
PX140TL	**011134**	**011154**	3535
PX160TL	**011137**	**011157**	4040
PX200TL	**011140**	**011160**	4545
PX240TL	011144	011164	5050
PX280TL	011455	011456	7060
PX320TL	011472	011471	8065

✻ PX50-PX120 have a reversible flange for type H or F mount

Complete coupling consists of (2) TAPER-LOCK Flange Assemblies.
(2) Taper-Lock Bushings, and (1) Element.

For Taper-Lock Bushings, see page/section _____

• These flanges require a metric bushing, see page _____

Elements

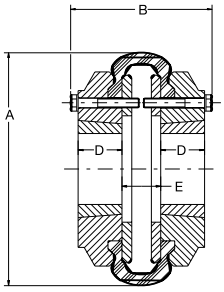
Coupling Size	Standard Part No.	Neoprene (1) Part No.	Cordless (2) Part No.
PX40	**011529**	**012455**	**012456**
PX50	**011105**	**011296**	**011285**
PX60	**011106**	**011297**	**011286**
PX70	**011107**	**011298**	**011287**
PX80	**011108**	**011299**	**011288**
PX90	**011109**	**011300**	**011289**
PX100	**011110**	**011301**	**011290**
PX110	**011111**	**011302**	**---**
PX120	**011112**	**011303**	**011292**
PX140	**011114**	**011304**	**---**
PX160	**011117**	**011305**	**---**
PX200	**011120**	**011306**	**---**
PX240	**011124**	**011312**	**---**
PX280	**011457**	**011313**	**---**
PX320	**011463**	**011315**	**---**

(1) Neoprene element ratings are the same as the standard natural rubber element ratings. (Green sticker or painted mark)

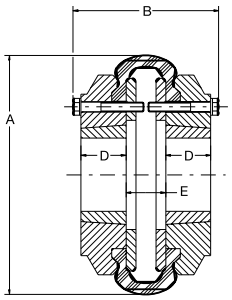
(2) Cordless elements have an average static torsional stiffness 25% of the standard element and approximately 25% of the torque rating. (White sticker or painted mark)

SELECTION/DIMENSIONS

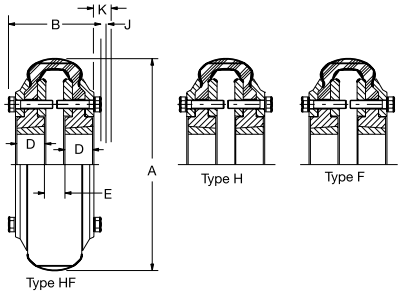
Metric, TAPER-LOCK Part Numbers



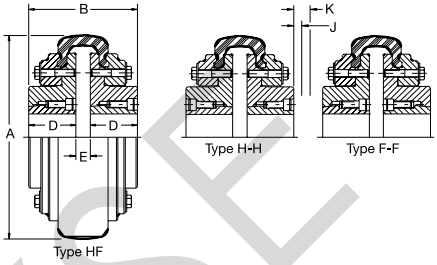
Style 1
Type H Taper-Lock



Style 1
Type F Taper-Lock



Style 2 Taper-Lock couplings
with reversible flange



Style 3 PARA-FLEX Taper-Lock couplings

Taper-Lock Couplings*

Coupling flange assy.	Element size	Min. bore	Max. bore	TL Bushing*	kW/100	Torque (in-lbs)	Max RPM	Style	A (in)	B = (in)	D (in)	E = (in)	J(1) (in)	K(2) (in)	Mass(3 =) (lbs)	Inertia(4 =) (lb-ft²)
PXM40TL	40	13	25	1008	0.51	425	4500	1	4.25	3	.88	.77	.63	.75	4.2	.05
PXM50TL	50	13	32	1210	1.07	900	4500	1	5.25	2.75	.88	.53	.63	.75	4.7	.07
PXM60TL	60	13	42	1610	2.13	180	4000	1	6.5	3.34	1	.72	.81	1.06	9.2	.21
PXM70TL	70†	13	42	1610	2.60	2200	3600	2	7.38	3.56	1	.95	.81	1.06	13	.3
PXM70TLX-F	70†	13	50	2012	2.60	2200	3600	3	7.38	3.83	1.25	.95	.94	1.38	14.8	.3
PXM80TL	80†	13	50	2012	4.27	3605	3100	2	8.38	3.75	1.25	.77	.94	1.38	19.6	.73
PXM80TLX-F	80†	13	65	2517	4.27	3605	3100	3	8.38	3.99	1.75	.77	1	1.63	24.7	.8
PXM90TL	90	13	65	2517	5.33	4502	2800	2	9.25	4.03	1.75	.33	1	1.63	28.8	1.3
PXM100TL	100†	13	65	2517	6.40	5402	2600	2	10	4.22	1.75	.52	1	1.63	38	2.2
PXM100TLX-F	100†	24	80	3020	6.40	5402	2600	3	10	4.36	2	.52	1.19	2.06	42.6	2.4
PXM110TL	110†	13	65	2517	9.18	7750	2300	2	11	4.53	1.75	.47	1	1.63	52.1	3.7
PXM110TLX-H	110†	24	80	3020	9.18	7750	2300	3	11	4.75	2	.47	1.19	2.06	57.2	3.9
PXM110TLX-F	110†	24	80	3020	9.18	7750	2300	3	11	4.75	2	.47	1.19	2.06	57.2	3.9
PXM120TL	120†	24	80	3020	14.92	12605	2100	2	12.38	5.03	2	.44	1.19	2.06	74.4	6.6
PXM120TLX-F	120†	31	100	3525	14.92	12605	2100	3	12.38	5.45	2.5	.44	1.31	2.69	88.1	7.4
PXM140TL	140	31	95/100•	3535	32.82	27590	1840	3	14.13	7.81	3.5	.81	1.31	2.69	156	18.7
PXM160TL	160	37	105/115•	4040	44.76	37800	1560	3	16.63	9.19	4	1.19	1.63	3.38	243	33.7
PXM200TL	200	50	115/125•	4545	97.73	82500	1300	3	20	10.31	4.5	1.31	1.94	4.06	417	101
PXM240TL	240	61	127	5050	179.04	151200	1080	3	24.13	11.91	5	1.91	2.31	4.81	682	231

(1) Space required to tighten bushing with shortened hex key
(2) Space required to loosen bushing with shortened hex key
(3) Weight of complete coupling with bushing
(4) Inertia of complete coupling with bushing
* Metric hardware
• Requires short series bushings to achieve maximum bore.

† Flange assemblies may be combined or interchanged for a given element size. Upon combination, dimensions B & E as well as mass and inertia should be averaged for appropriate value.
H = Hub Mount
F = Flange Mount

FEATURES/BENEFITS PAGE PT1-2	SPECIFICATION/HOW TO ORDER PAGE PT1-3	MODIFICATION/ACCESSORIES PAGE PT1-79	ENGINEERING/TECHNICAL PAGE PT1-81

SELECTION/DIMENSIONS

Metric, TAPER-LOCK

Complete Para-Flex coupling consists of:
one element, two PXMTL flange assemblies and two TL bushings

Para-Flex Taper-Lock flange assemblies

Coupling size	Type H	Type F	
	Part Number	Part Number	Taper-Lock bushing size
PXM40TL	**013095**	**013096**	1008
PXM50TL	**013041**	**013040**	1210
PXM60TL	**013043**	**013042**	1610
PXM70TL	**013044**	*	1610
PXM70TLX-F	—	**395277**	2012
PXM80TL	**013045**	*	2012
PXM80TLX-F	—	**395278**	2517
PXM90TL	**013046**	*	2517
PXM100TL	**013047**	*	2517
PXM100TLX-F	—	**395279**	3020
PXM110TL	**013048**	*	2517
PXM110TLX-H	**395281**	—	3020
PXM110TLX-F	—	**395280**	3020
PXM120TL	**013049**	*	3020
PXM120TLX-F	—	**395282**	3525
PXM140TL	**013051**	**013050**	3535 / 3525•
PXM160TL	**013053**	**013052**	4040 / 4030 •
PXM200TL	**013055**	**013054**	4545 / 4535 •
PXM240TL	**395286**	**395285**	5050

Notes:
* Have reversible flange for type H or F mount.
• Requires short series bushing to achieve maximum bore.
Metric bushing required
For Taper-Lock designs, Taper-Lock bushings must be ordered separately.

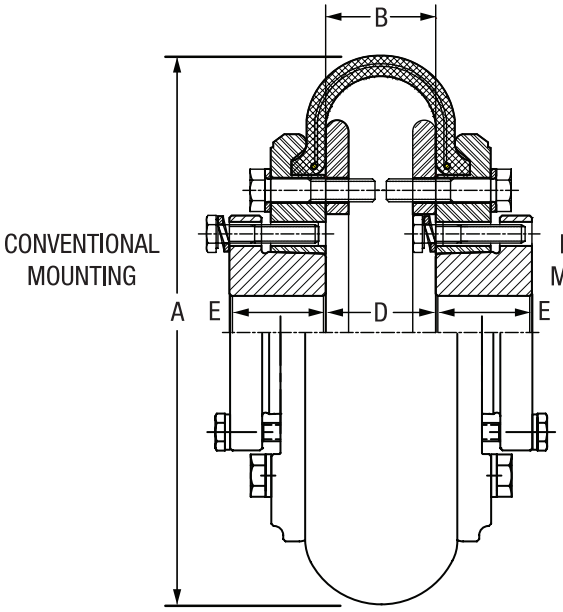
Elements

Coupling Size	Standard Part No.	Neoprene (1) Part No.	Cordless (2) Part No.
PX40	**011529**	**012455**	**012456**
PX50	**011105**	**011296**	**011285**
PX60	**011106**	**011297**	**011286**
PX70	**011107**	**011298**	**011287**
PX80	**011108**	**011299**	**011288**
PX90	**011109**	**011300**	**011289**
PX100	**011110**	**011301**	**011290**
PX110	**011111**	**011302**	---
PX120	**011112**	**011303**	**011292**
PX140	**011114**	**011304**	---
PX160	**011117**	**011305**	---
PX200	**011120**	**011306**	---
PX240	**011124**	**011312**	---

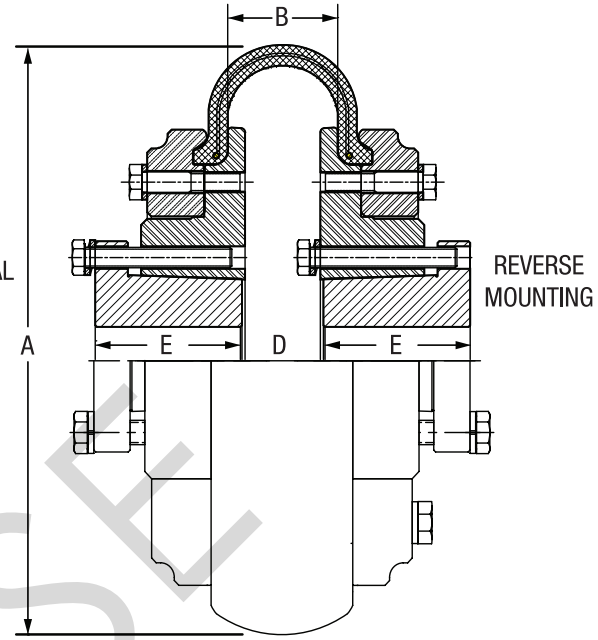
(1) Neoprene element ratings are the same as the standard natural rubber element ratings. (Green sticker or painted mark)
(2) Cordless elements have an average static torsional stiffness 25% of the standard element and approximately 25% of the torque rating. (White sticker or painted mark)

SELECTION/DIMENSIONS

Standard, QD Bushed



PX50-120QD FLANGE ASSY



PX140-200QD FLANGE ASSY

Dimensions

Coupling Size	Bushing Size	Max Bore (In.)			HP/100	Torque Rating (In-Lbs)	Max RPM	Style	Dimensions (In.)				Weight (1) (Lbs.)	Inertia (2) (Lb-Ft)
		Full KW	Shallow KW	No KW					A	B	D	E		
PX50QD	JA	1	1-3/16	1-1/4	1.43	900	4500	1	5 1/4	3 7/8	1	1 17/32	4.7	0.08
PX60QD	SH	1-3/8	1-5/8	1-11/16	2.86	1800	4000	1	6 1/2	4 23/32	1 1/4	1 25/32	8.0	0.24
PX70QD	SDS	1-5/8	1-15/16	2	3.49	2200	3600	1	7 3/8	4 17/32	1 5/16	1 1/2	10.7	0.45
PX80QD	SK	2-1/8	2-1/2	2-5/8	5.72	3600	3100	1	8 3/8	5 13/16	3 7/8	1 1/2	15.5	0.88
PX90QD	SK	2-1/8	2-1/2	2-5/8	7.15	4350	2800	1	9 1/4	5 7/8	3 7/8	1 9/16	22.0	1.60
PX100QD	SF	2-5/16	2-15/16	–	8.58	5250	2600	1	10	6 1/8	4 5/8	1 15/32	32.0	2.90
PX110QD	SF	2-5/16	2-15/16	–	12.3	7750	2300	1	11	5 7/8	4 5/8	1 3/16	46.0	4.30
PX120QD	E	2-7/8	3-1/2	–	20	12540	2100	1	12 3/8	7 1/4	6	1 1/4	59.8	6.70
PX140QD	F	3-1/4	3-15/16	4	44	27590	1840	2	14 1/8	9 1/2	6 5/8	1 3/8	132.5	19.50
PX160QD	J	3-3/4	4-1/2	–	60	37800	1560	2	16 5/8	11 1/2	7 1/4	1 3/8	208.7	34.60
PX200QD	J	3-3/4	4-1/2	–	131	82500	1300	2	20	11 3/4	7 1/4	1 13/16	366.0	103.00

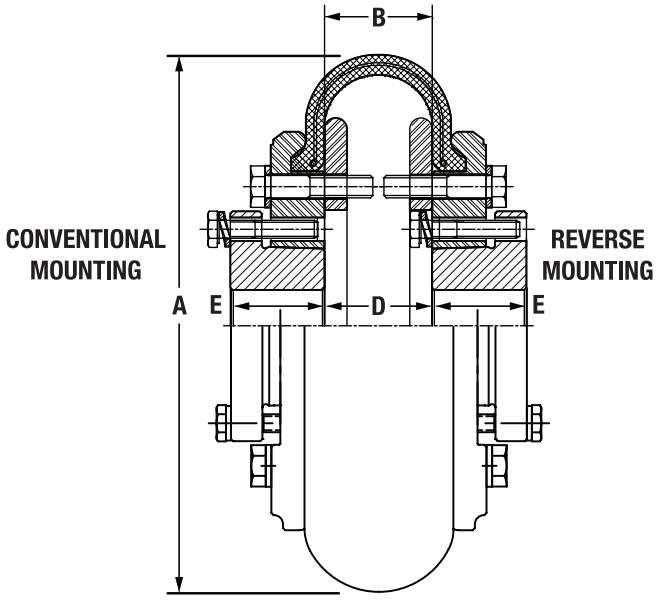
Notes:

(1) Weight of complete coupling with bushings.

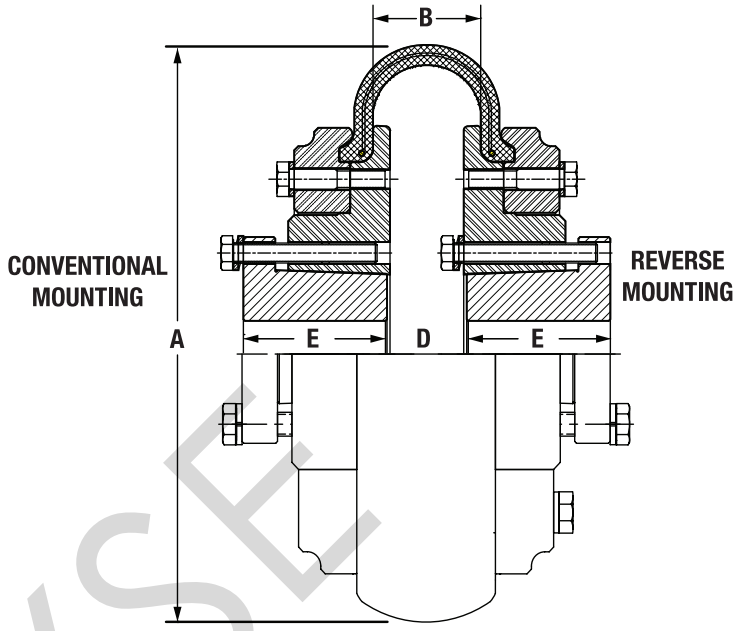
(2) Inertia of complete coupling with bushing.

SELECTION/DIMENSIONS

Standard, QD Bushed



PX50-120QD FLANGE ASSY



PX140-200QD FLANGE ASSY

Para-Flex QD Part Numbers

Size	PXQD Flanges		Elements		
	Description	Part No.	Standard	Neoprene (1)	Cordless (2)
PX50	PX50QD FLANGE ASSEMBLY	013210	011105	011296	011285
PX60	PX60QD FLANGE ASSEMBLY	013211	011106	011297	011286
PX70	PX70QD FLANGE ASSEMBLY	013212	011107	011298	011287
PX80	PX80QD FLANGE ASSEMBLY	013213	011108	011299	011288
PX90	PX90QD FLANGE ASSEMBLY	013214	011109	011300	011289
PX100	PX100QD FLANGE ASSEMBLY	013215	011110	011301	011290
PX110	PX110QD FLANGE ASSEMBLY	013216	011111	011302	–
PX120	PX120QD FLANGE ASSEMBLY	013217	011112	011303	011292
PX140	PX140QD FLANGE ASSEMBLY	013218	011114	011304	–
PX160	PX160QD FLANGE ASSEMBLY	013219	011117	011305	–
PX200	PX200QD FLANGE ASSEMBLY	013220	011120	011306	–

Complete Para-Flex QD coupling consists of one element, two flanges, and two QD bushings.

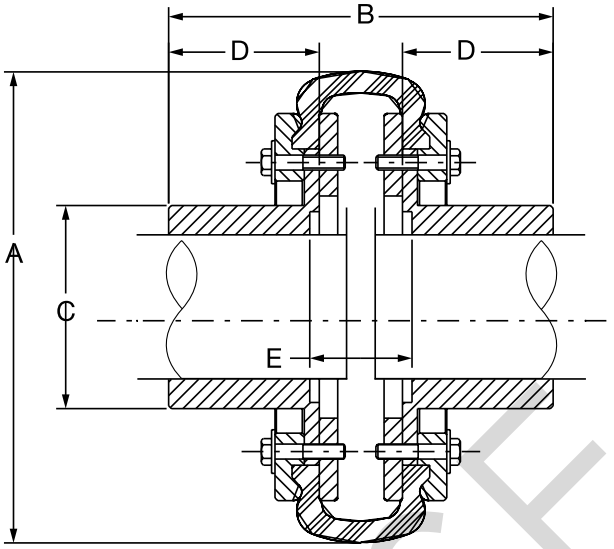
Notes:

(1) Neoprene element ratings are the same as the standard natural rubber element ratings. (Green sticker or painted mark)

(2) Cordless elements have an average static torsional stiffness 25% of the standard element and approximately 25% of the torque rating. (White sticker or painted mark)

SELECTION/DIMENSIONS

Bored to Size, Type BBS



PX60 Thru PX320 Type BBS Couplings

Coupling Size	Min. Bore	Max. Bore	HP/100	Torque (In-Lbs)	Max. RPM	A	B	C	D	E	Weight (1) (Lbs.)	Inertia (2) (Lb-Ft²)
PX60BBS	none	1-1/2	2.86	1,800	4000	6.50	4.28	2.38	1.50	1.28	8.8	.21
PX70BBS	none	2-1/8	3.49	2,200	3600	7.38	5.00	2.94	1.75	1.50	12.8	.32
PX80BBS	none	2-9/16	5.72	3,605	3100	8.38	5.50	3.69	2.00	1.50	18.4	.79
PX90BBS	none	2-3/4	7.15	4,502	2800	9.25	6.03	4.13	2.25	1.53	25.6	1.4
PX100BBS	none	3-1/4	8.58	5,402	2600	10.00	6.97	4.94	2.63	1.72	36.4	2.5
PX110BBS	none	3-15/16	12.30	7,750	2300	11.00	7.56	5.44	3.00	1.56	47.3	4.2
PX120BBS	none	4	20.00	12,605	2100	12.38	8.25	5.81	3.25	1.75	68.4	7.0
PX140BBS	2-1/4	4-1/2	44.00	27,590	1840	14.13	9.81	7.00	3.88	2.44	127.2	16.4
PX160BBS	2-1/2	6	60.00	37,800	1560	16.63	12.94	8.50	5.13	3.06	210.8	39.6
PX200BBS	2-7/8	6-3/4	131.00	82,500	1300	20.00	15.56	9.38	6.13	3.75	333.5	76.9
PX240BBS	4	7-1/2	240.00	151,200	1080	24.13	14.16	10.00	5.13	4.34	481.0	188.1
PX280BBS	4-7/16	9	480.00	302,200	910	28.50	18.47	12.00	7.13	4.66	802.0	440.8
PX320BBS	5-1/2	11	719.00	453,000	810	32.50	20.75	14.00	8.13	4.94	1074.0	709.6

(1) Weight of complete coupling at maximum bore

(2) Inertia of complete coupling at maximum bore

SELECTION/DIMENSIONS

Bored to Size, Type BBS

PX60BBS - PX320BBS Part Numbers

Coupling Size	BS Flange Assemblies Rough Bore	Standard Element
PX60BBS	**010300**	**011106**
PX70BBS	**010301**	**011107**
PX80BBS	**010302**	**011108**
PX90BBS	**010303**	**011109**
PX100BBS	**010304**	**011110**
PX110BBS	**010305**	**011111**
PX120BBS	**010306**	**011112**
PX140BBS	**010530**	**011114**
PX160BBS	**010531**	**011117**
PX200BBS	**010532**	**011120**
PX240BBS	**010533**	**011124**
PX280BBS	**010528**	**011457**
PX320BBS	**010529**	**011463**

Unless otherwise specified, Size 60-120 BBS flanges are clearance fit per AGMA 9002. Size 140-320 BBS flanges are interference fit per AGMA 9002.
See page __ for additional details.

Complete coupling consists of: (2) BS Flange Assemblies and (1) Element.

PARA-FLEX Elements - Part Numbers

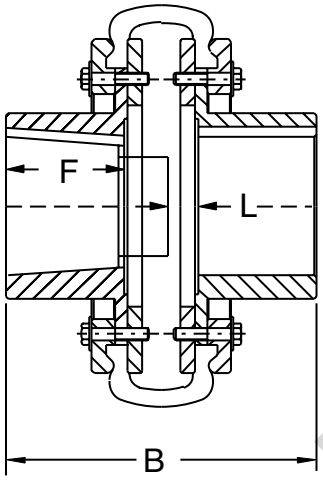
Element Size	Standard	Neoprene (1)	Cordless (2)	Weight (Lbs)
	Part No.	Part No.	Part No.	
PX40	**011529**	**012455**	**012456**	0.3
PX50	**011105**	**011296**	**011285**	0.7
PX60	**011106**	**011297**	**011286**	1.2
PX70	**011107**	**011298**	**011287**	1.6
PX80	**011108**	**011299**	**011288**	2.2
PX90	**011109**	**011300**	**011289**	2.6
PX100	**011110**	**011301**	**011290**	2.5
PX110	**011111**	**011302**	---	3.0
PX120	**011112**	**011303**	**011292**	4.8
PX140	**011114**	**011304**	---	5.6
PX160	**011117**	**011305**	---	9.1
PX200	**011120**	**011306**	---	20.8
PX240	**011124**	**011312**	---	27.0
PX280	**011457**	**011313**	---	45.0
PX320	**011463**	**011315**	---	80.0

(1) Neoprene element ratings are the same as the standard natural rubber element ratings. (Green sticker or painted mark)

(2) Cordless elements have an average static torsional stiffness 25% of the standard element and approximately 25% of the torque rating. (White sticker or painted mark)

SELECTION/DIMENSIONS

Mill Motor, Type TBS



Size	For Mill Motor Size	Min. Bore	Max. Bore	HP/100	Torque (In-Lbs)	Max. RPM	B	F	L	Weight(1) (Lbs.)	Inertia(2) (Lb-Ft²)
PX60TBS	602,802*	none	1-1/2	2.86	1,800	4000	5.78	3.00	0.34	10.1	0.21
PX70TBS	603 802B,802C	none	2-1/8	3.49	2,200	3600	6.75 6.25	3.50 3.00	0.50 0.56	16.1	0.32
PX80TBS	603,803 604804	none	2-9/16	5.72	3,605	3100	7.00 7.00	3.50 3.50	0.50 0.50	23.2	0.79
PX90TBS	804	none	2-3/4	7.15	4,502	2800	7.28	3.50	0.53	29.9	1.4
PX100TBS	804	none	3-1/4	8.58	5,402	2600	7.84	3.50	0.72	44.4	2.5
PX110TBS	606,806 608	none	3-15/16	12.30	7,750	2300	8.56 9.06	4.00 4.50	0.59 0.16	62.3	4.2
PX120TBS	608,806 608,808	none	4	20.00	12,605	2100	9.00 9.50	4.00 4.50	0.63 0.50	81.4	7.0
PX140TBS	808 610-810 612	2-1/4	4-1/2	44.00	27,590	1840	10.63 10.63 11.06	4.69 4.69 5.13	1.19 1.06 0.94	136.2	16.4
PX160TBS	810 612-812 614	2-1/2	6	60.00	37,800	1560	12.50 12.94 12.94	4.69 5.13 5.13	1.69 1.56 1.44	227.8	39.6
PX200TBS	812 614-814 616-816 618-818	2-7/8	6-3/4	131.00	82,500	1300	14.63 14.63 15.13 15.56	5.19 5.19 5.69 6.13	2.19 2.06 1.94 2.38	344.5	76.9
PX240TBS	818 620	4	7-1/2	240.00	151,200	1080	15.22 15.91	6.19 6.88	2.97 2.53	519	188.1
PX280TBS	622 624	5-1/4	9	480.00	302,200	910	18.78 20.78	7.44 9.44	2.22 2.22	836	440.8

◆ Refer to page PT1-24 for additional envelope information

* 1-1/4" per foot taper on diameter

SELECTION/DIMENSIONS

Mill Motor, Type TBS

PX60 - PX280 TBS Part Numbers

Coupling Size	For Mill Motor Size	TBS Flange Assembly	Standard Element	BS Flange Assembly
PX60TBS	602,802*	010471	011106	
PX70TBS	603	010472	011107	
	802B,802C	010473		
PX80TBS	603,803	010474	011108	
	604,804			
PX90TBS	804	010475	011109	
PX100TBS	804	010476	011110	
PX110TBS	606,806	010477	011111	
	608	010478		
PX120TBS	606,806	010479	011112	
	608,808	010480		
PX140TBS	608,808	008980	011114	See Page PT1-30
	610,810	008981		
	612,812	008982		
PX160TBS	610,810	008983	011117	
	612,812	008984		
	614	008985		
PX200TBS	612,812	008986	011120	
	614,814	008987		
	616,816	008988		
	618,818	008989		
PX240TBS	818	008990	011124	
	620	008991		
PX280TBS	622	008992	011457	
	624	008993		

Coupling Size	TBS Flange Assy Rough Bore
PX60TBS	010510
PX70TBS	010511
PX80TBS	010512
PX90TBS	010513
PX100TBS	010514
PX110TBS	010515
PX120TBS	010516
PX140TBS	010524
PX160TBS	010531
PX200TBS	010532
PX240TBS	010525
PX280TBS	010526

Complete coupling consists of:

(1) TS Flange Assembly,

(1) BS Flange Assembly, and

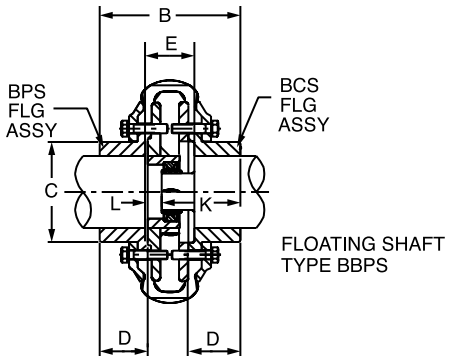
(1) Element

*** Key furnished for shallow keyways.**

+ Part numbers are finished bore flanges to fit mill motor sizes listed.

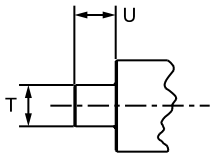
SELECTION/DIMENSIONS

Floating Shaft, Type BBPS



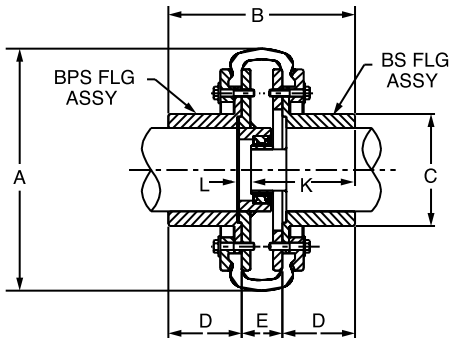
FLOATING SHAFT TYPE BBPS

PX60 -120 BBPS



FLOATING SHAFT DETAIL

FLOATING SHAFT TYPE BBPS



PX140-320 BBPS

Size	Min. Bore	Max. Bore	HP/100	Torque (In-Lbs)	Max RPM	A	B	C	D	E	K	L	T	U	Weight (Lbs)	Inertia (Lb-Ft²)
PX60BBPS	none	1-1/2	2.86	1,800	4000	6.50	4.28	2.38	1.50	1.78	2.45	0.58	.624/.6225	1.28	9.8	0.21
PX70BBPS	none	2-1/8	3.49	2,200	3600	7.38	5.00	2.94	1.75	2.06	3.05	0.48	.999/.9975	1.58	14.6	0.32
PX80BBPS	none	2-9/16	5.72	3,605	3100	8.38	5.50	3.69	2.00	2.00	3.30	0.45	.999/.9975	1.58	26.9	0.79
PX90BBPS	none	2-3/4	7.15	4,502	2800	9.25	6.03	4.13	2.25	2.09	3.67	0.39	1.249/1.2475	1.70	29.0	1.4
PX100BBPS	none	3-1/4	5.85	5,402	2600	10.00	6.97	4.94	2.63	2.16	4.13	0.44	1.249/1.2475	1.72	40.1	2.5
PX110BBPS	none	3-15/16	12.30	7,750	2300	11.00	7.56	5.44	3.00	2.06	4.44	0.38	1.249/1.2475	1.69	51.0	4.2
PX120BBPS	none	4	20	12,605	2100	12.38	8.25	5.81	3.25	2.44	4.89	0.45	1.499/1.497	1.98	75.7	7.0
PX140BBPS	2-1/4	4-1/2	44	27,590	1840	14.13	9.19	7.00	3.88	2.44	5.69	0.44	1.499/1.497	2.00	140.2	16.4
PX160BBPS	2-1/2	6	60	37,800	1560	16.63	12.94	8.50	5.13	3.06	7.25	0.75	1.499/1.497	2.94	230.8	39.6
PX200BBPS	2-7/8	6-3/4	131	82,500	1300	20.00	15.56	9.38	6.13	3.69	8.78	0.84	1.999/1.997	2.84	364.5	76.9
PX240BBPS	4	7-1/2	240	151,200	1080	24.13	14.16	10.00	5.13	4.28	8.06	1.16	1.999/1.997	3.12	529.0	188.1
PX280BBPS	4-7/16	9	480	302,200	910	28.50	18.47	12.00	7.13	4.59	10.22	1.31	1.999/1.997	3.28	877.0	440.8
PX320BBPS	5-1/2	11	719	453,000	810	32.50	20.75	14.00	8.13	4.88	11.38	1.44	1.999/1.997	3.44	1181.0	709.6

PX60BBPS - PX320BBPS Part Numbers

Coupling Size	BCS Flange Assembly	BPS Flange Assembly	Standard Element
PX60BBPS	**010658**	**010657**	**011106**
PX70BBPS	**010660**	**010659**	**011107**
PX80BBPS	**010189**	**010190**	**011108**
PX90BBPS	**010191**	**010192**	**011109**
PX100BBPS	**010193**	**010194**	**011110**
PX110BBPS	**010599**	**010598**	**011111**
PX120BBPS	**010195**	**010196**	**011112**

Coupling Size	BS Flange Assembly	BPS Flange Assembly	Standard Element
PX140BBPS	**010530**	**011714**	**011114**
PX160BBPS	**010531**	**011715**	**011117**
PX200BBPS	**010532**	**011716**	**011120**
PX240BBPS	**010533**	**011717**	**011124**
PX280BBPS	**010528**	**011718**	**011457**
PX320BBPS	**010529**	**011719**	**011463**

Complete coupling consists of:
(1) BCS or BS Flange Assembly (depending on size of coupling),
(1) BPS Flange Assembly, and
(1) Element.

BCS Flange Assembly consists of:
1. External Clamp Ring
2. Internal Clamp Ring
3. BCS Flange

BPS Flange Assembly consists of:
1. External Clamp Ring
2. Piloted Internal Clamp Ring
   a. Includes floating shaft bearing assembly
3. BS Flange

PARA-FLEX High Speed and Flywheel Couplings

HIGH SPEED TYPE

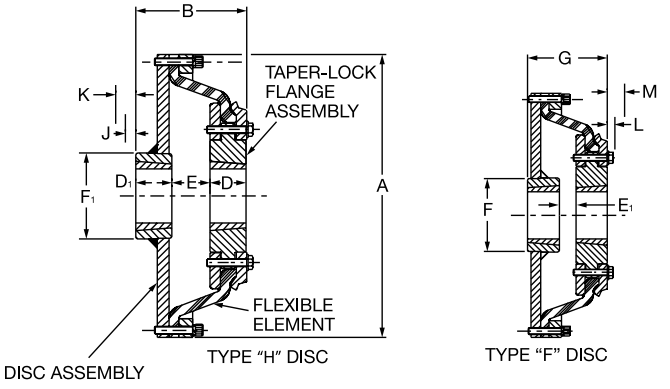
- Compensates for misalignment
- Cushions thrust loads
- Absorbs vibration and shock
- Prolongs bearing life
- Available in TAPER-LOCK and bored to sizes

FLYWHEEL TYPE

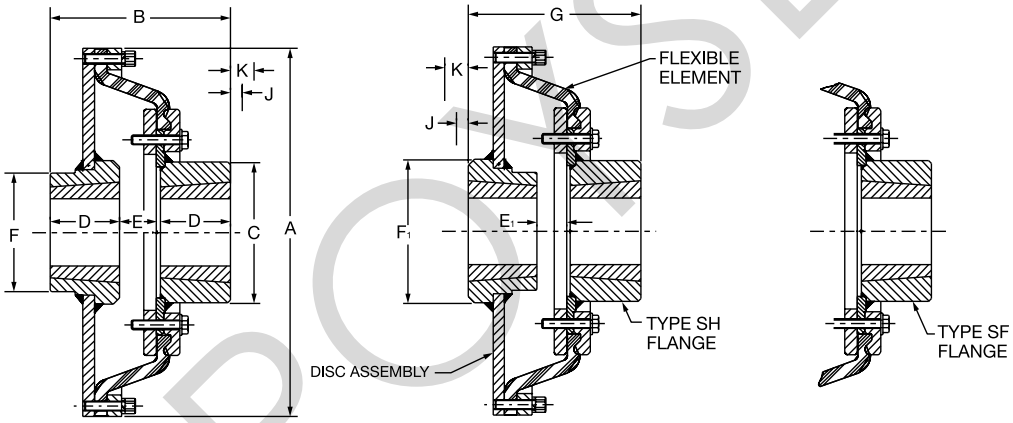
- Specifically designed to connect the flexible element to standard SAE flywheel bolt patterns
- Available in TAPER-LOCK and bored to configurations

SELECTION/DIMENSIONS

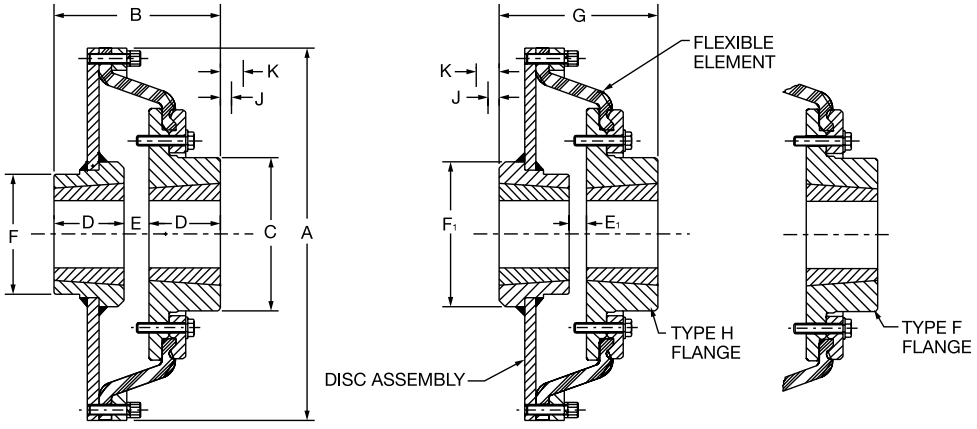
High Speed, TAPER-LOCK



PH87 THRU PH131



PH172 thru PH252 STEEL FLANGE ASSEMBLY



PH172 & PH192 IRON FLANGE ASSEMBLY

SELECTION/DIMENSIONS

High Speed, TAPER-LOCK

Coupling Size	Bushing Size	Min. Bore	Max. Bore	HP/100	Torque (In-Lbs)	Max. RPM		Weight (Lbs)		Inertia (Lb-Ft²)	
						Gray Iron Flange	Steel Flange	Iron Flg	Steel Flg	Iron Flg	Steel Flg
PH87	+	1/2	+	3.0	1890	6000	.....	19.5	.....	1.32	.....
PH96	*	1/2	*	4.5	2835	5230	.....	27.2	.....	2.44	.....
PH116	2517	1/2	2-11/16	7.1	4470	4050	.....	40.8	.....	4.92	.....
PH131	2517	1/2	2-11/16	9.5	5985	3750	.....	59.7	.....	8.87	.....
PH172	3535	1-3/16	3-15/16	23.0	14490	1860	2800	138.2	128.5	31.74	29.98
PH192	4040	1-7/16	4-7/16	47.0	29610	1620	2430	219.6	219.6	51.09	50.37
PH213	4545	1-15/16	4-15/16	90.0	56700	.....	2130	.....	291.2	102.3	90.22
PH252	5050	2-7/16	5-5/16	135.0	85050	.....	1945	.....	389.9	144.1	133.7

Coupling Size	A	B		C		D	D¹	E	
		Iron Flg	Steel Flg	Iron Flg	Steel Flg			Iron Flg	Steel Flg
PH87	9.44	3.53	.....	.....	.....	1.00	1.75	0.81	.....
PH96	10.31	4.30	.....	.....	.....	1.25	1.75	1.33	.....
PH116	12.31	4.44	.....	.....	.....	1.75	1.75	1.14	.....
PH131	13.81	5.45	.....	.....	.....	1.75	1.75	1.95	.....
PH172	18.31	8.06	8.97	7.50	7.00	3.50	.....	1.06	1.88
PH192	20.31	9.31	10.25	8.63	8.50	4.00	.....	1.31	2.25
PH213	22.50	.....	11.31	.....	8.75	4.50	.....	.....	2.31
PH252	26.50	.....	14.31	.....	9.50	5.00	.....	.....	4.31

Coupling Size	E¹		F	F1	G		J★	K†	L★	M†
	Iron Flg	Steel Flg			Iron Flg	Steel Flg				
PH87	0.50	.....	4.12	4.19	3.28	.....	1.00	1.63	0.81	1.06
PH96	0.45	.....	4.12	4.19	3.42	.....	1.00	1.63	0.94	1.38
PH116	0.33	.....	4.12	4.19	3.63	.....	1.00	1.63	1.00	1.63
PH131	0.77	.....	4.12	4.19	4.27	.....	1.00	1.63	1.00	1.63
PH172	0.63	1.44	6.25	7.12	7.62	8.53	1.31	2.69	.....	.....
PH192	0.38	1.31	7.75	8.62	8.38	9.31	1.63	3.38	.....	.....
PH213	.....	1.44	8.75	9.75	.....	10.44	1.94	4.06	.....	.....
PH252	.....	2.94	9.50	10.88	.....	12.94	2.31	4.81	.....	.....

★ Space required to tighten bushing with shortened hex key or to loosen screws to permit removal of the hub by a puller

† Space required to loosen bushing with the shortened hex key using screws as hack screws - no puller required.

PH87 - PH252 Part Numbers

Coupling Size	TAPER-LOCK Flange						Disc Assembly	High Speed Element	Bushing Size
	Std Flange	Flange Size	Iron Flange		Steel Flange				
			Type H	Type F	Type SH	Type SF			
PH87	010603	PX70	.....	.....	.....	.....	011307	011227	+
PH96	010604	PX80					011308	011228	*
PH116	010606	PX100	.....	.....	.....	.....	011310	011230	2517
PH131	010607	PX110					011311	011231	2517
PH172	.....	PX140	011134	011154	010290	010294	011314	011234	3535
PH192		PX160	011137	011157	010291	010295	011316	011236	4040
PH213	.....	PX190	.....	.....	010292	010296	011319	011239	4545
PH252		PX220			010293	010297	011322	011242	5050

\+ Flange assembly uses a 1610 bushing with 1-11/16 max. bore
Disc assembly uses a 2517 bushing with 2-11/16 max. bore

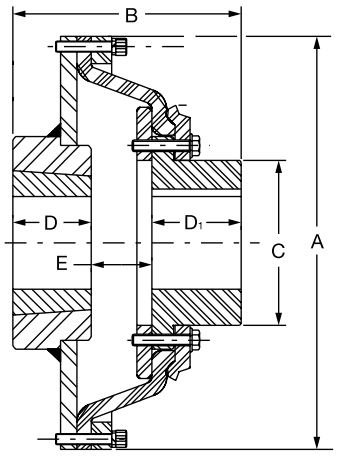
* Flange assembly uses a 2012 bushing with 2-1/8 max. bore
Disc assembly uses a 2517 bushing with 2-11/16 max. bore

Complete coupling consists of:
(1) TAPER-LOCK Flange Assembly, (1) TAPER-LOCK Disc Assembly, & (1) High speed Element.
TAPER-LOCK bushings must be ordered separately. Refer to bushing section PT6-16.

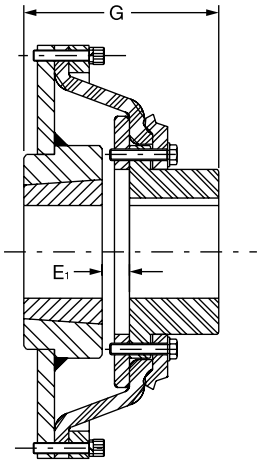
FEATURES/BENEFITS PAGE PT1-17	SELECTION/DIMENSION PAGE PT1-18	MODIFICATION/ACCESSORIES PAGE PT1-79	ENGINEERING/TECHNICAL PAGE PT1-81

SELECTION/DIMENSIONS

High Speed, Bored to Size

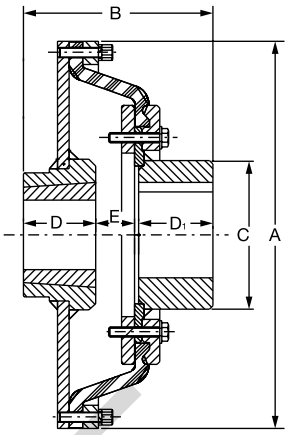


TYPE "H" DISC



TYPE "F" DISC

SIZE PH87 - 131



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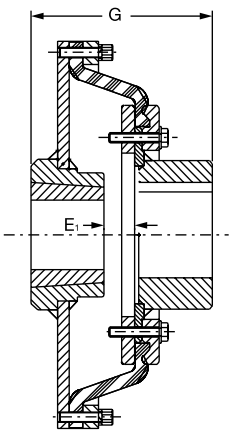


TYPE "H" DISC

SIZE PH172 - 252

Coupling Size	BS Flange Assembly		TAPER-LOCK Disc Assembly		A	B	C	D	D1	E	E1	G	Weight (Lbs)	Inertia (Lb-Ft²)
	Min Bore	Max Bore	Min Bore	Max Bore										
PH87B	none	2-1/8	1/2	2-11/16	9.44	4.59	2.94	1.75	1.75	1.09	0.81	4.31	20.1	1.33
PH96B	none	2-9/16	1/2	2-11/16	10.31	5.44	3.69	1.75	2.00	1.69	0.81	4.56	28.0	2.47
PH116B	none	3-1/4	1/2	2-11/16	12.31	6.13	4.94	1.75	2.63	1.75	0.97	5.31	42.8	5.31
PH131B	none	3-15/16	1/2	2-11/16	13.81	7.25	5.44	1.75	3.00	2.50	1.31	6.06	60.1	9.08
PH172B	2-1/4	4-1/2	1-3/16	3-15/16	18.31	9.06	7.00	3.50	3.88	1.88	1.44	8.63	135.2	30.98
PH192B	2-1/2	6	1-7/16	4-7/16	20.31	11.19	8.50	4.00	5.13	2.25	1.31	10.25	220.6	54.27
PH213B	2-1/2	6-1/4	1-15/16	4-15/16	22.50	11.31	8.75	4.50	4.69	2.31	1.44	10.44	289.2	91.62
PH252B	2-7/8	6-7/8	2-7/16	5-5/16	26.50	14.31	9.50	5.00	5.19	4.31	2.94	12.94	379.9	135.9

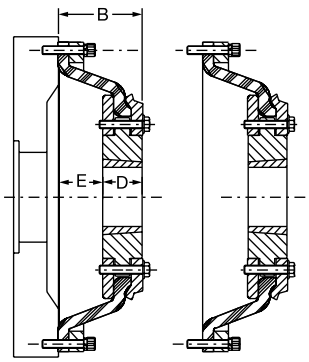
Coupling Size	BS Flange Assembly	TAPER-LOCK Disc Assembly	TAPER-LOCK Bushing Size	High Speed Element
PH87B	**010301**	**011307**	2517	**011227**
PH96B	**010302**	**011308**	2517	**011228**
PH116B	**010304**	**011310**	2517	**011230**
PH131B	**010305**	**011311**	2517	**011231**
PH172B	**010530**	**011314**	3535	**011234**
PH192B	**010531**	**011316**	4040	**011236**
PH213B	**010508**	**011319**	4545	**011239**
PH252B	**010509**	**011322**	5050	**011242**

Complete coupling consists of: (1) BS Flange Assembly, (1) TAPER-LOCK Disc Assembly, (1) High Speed Element, and (1) TAPER-LOCK Bushing. TAPER-LOCK bushings must be ordered separately. Refer to bushing section PT6-16.

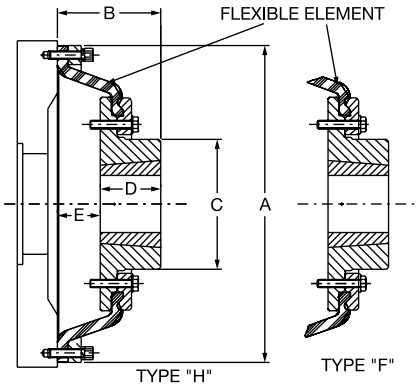
Unless otherwise specified, Size 60-120 BS flanges are clearance fit per AGMA 9002. Size 140-320 BS flanges are interference fit per AGMA 9002.
See page __ for additional details.

SELECTION/DIMENSIONS

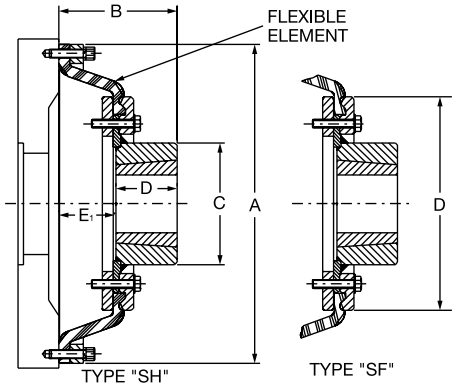
Flywheel, TAPER-LOCK



SIZES PF87-PF131



IRON FLANGE AND CLAMP RING — SIZES PF172-PF192



STEEL FLANGE AND CLAMP RING — SIZES PF172-PF252

Coupling Size	Bushing Size	Min. Bore	Max. Bore	HP/100	Torque (In-Lbs)	Max. RPM		A	B	
						Gray Iron Flange	Steel Flange		Iron Flg.	Steel Flg.
PF87	1610	1/2	1-11/16	3.00	1890	6000	6000	9.44	2.69	.....
PF96	2012	1/2	2-1/8	4.50	2835	5230	5230	10.31	2.83	.....
PF116	2517	1/2	2-11/16	7.10	4470	4050	4050	12.31	3.14	.....
PF131	2517	1/2	2-11/16	9.50	5985	3750	3750	13.81	3.70	.....
PF172	3535	1-3/16	3-15/16	23.00	14490	1860	2800	18.31	5.81	6.72
PF192	4040	1-7/16	4-7/16	47.00	29610	1620	2430	20.31	6.56	7.50
PF213	4545	1-15/16	4-15/16	90.00	56700	.....	2130	22.50	.....	9.00
PF252	5050	2-7/16	5-5/16	135.00	85050	.....	1945	26.50	.....	10.81

Coupling Size	Bushing Size	C		D	E	E1	Weight (Lbs) Less Bushing		Inertia (Lb-Ft²)	
		Iron Flg.	Steel Flg.				Iron Flgs	Steel Flgs	Iron Flgs	Steel Flgs
PF87	1610	.....	.....	1.00	1.34	....	9.9	.....	0.6	.....
PF96	2012	.....	.....	1.25	1.58	....	13.5	.....	1.05	.....
PF116	2517	.....	.....	1.75	1.39	....	22.3	.....	2.35	.....
PF131	2517	.....	.....	1.75	1.95	....	33.3	.....	4.35	.....
PF172	3535	7.50	7.00	3.50	2.31	3.12	87.2	77.5	17.49	15.73
PF192	4040	8.63	8.50	4.00	2.56	3.50	128.6	128.6	28.84	28.12
PF213	4545	.....	8.75	4.50	-	4.50	221.2	190.2	74.47	64.36
PF252	5050	.....	9.50	5.00	-	5.81	297.9	260.9	121.79	111.38

PF87 THRU PF252 Part Numbers

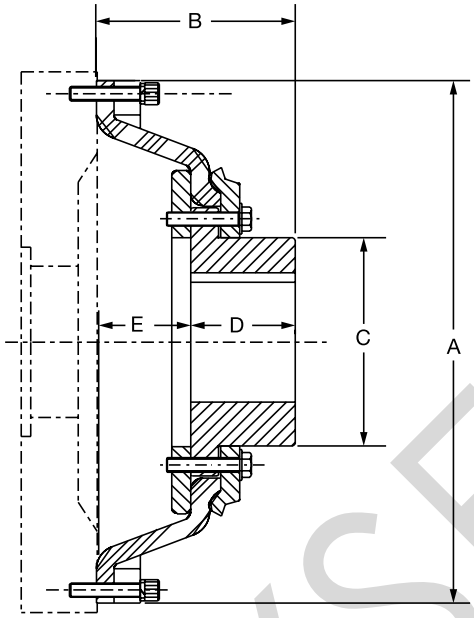
Coupling Size	TAPER-LOCK Flange					Bolt Ring Assembly	High Speed Element	T-L Bushing Size
	Std Flange	Iron Flange		Steel Flange				
		Type H	Type F	Type SH	Type SF			
PF87	**010603**	**.....**	**.....**	**.....**	**.....**	**011247**	**011227**	1610
PF96	**010604**	**.....**	**.....**	**.....**	**.....**	**011248**	**011228**	2012
PF116	**010606**	**.....**	**.....**	**.....**	**.....**	**011250**	**011230**	2517
PF131	**010607**	**.....**	**.....**	**.....**	**.....**	**011251**	**011231**	2517
PF172	**.....**	**011134**	**011154**	**010290**	**010294**	**011254**	**011234**	3535
PF192	**.....**	**011137**	**011157**	**010291**	**010295**	**011256**	**011236**	4040
PF213	**.....**	**.....**	**.....**	**010292**	**010296**	**011259**	**011239**	4545
PF252	**.....**	**.....**	**.....**	**010293**	**010297**	**011262**	**011242**	5050

Complete coupling consists of: (1) TAPER-LOCK Flange Assembly (as selected), (1) Bolt Ring Assembly, (1) High Speed Element, and (1) TAPER-LOCK Bushing. TAPER-LOCK Bushings must be ordered separately.

See page PT1-34 for Flywheel & Power Take Off housing information. Refer to bushing section PT6-16.

SELECTION/DIMENSIONS

Flywheel, Bored to Size



PF87B THRU PF252B Bored-To-Size Flywheel Couplings

Coupling Size	Min. Bore	Max. Bore	HP/100	Torque (In-Lbs)	Max. RPM Steel Flg	A	B	C	D	E	Weight (Lbs)	Inertia (Lb-Ft²)
PF87B	none	2-1/8	3.0	1890	6000	9.44	3.38	2.94	1.75	1.63	10.5	0.61
PF96B	none	2-9/16	4.5	2835	5230	10.31	3.94	3.69	2.00	1.94	14.3	1.08
PF116B	none	3-1/4	7.1	4470	4050	12.31	4.68	4.94	2.63	2.00	24.3	2.47
PF131B	none	3-15/16	9.5	5980	3750	13.81	5.50	5.44	3.00	2.50	33.7	4.56
PF172B	2-1/4	4-1/2	23.0	14490	2800	18.31	6.81	7.00	3.88	3.13	84.2	16.73
PF192B	2-1/2	6	47.0	29610	2430	20.31	8.44	8.50	5.13	3.50	129.6	32.02
PF213B	2-1/2	6-1/4	90.0	56700	2130	22.50	9.00	8.75	4.69	4.50	188.2	65.76
PF252B	2-7/8	6-7/8	135.0	85050	1945	26.50	10.81	9.50	5.19	5.81	250.9	113.58

PF87 - PF252B Part Numbers

Coupling Size	BS Flange Assembly	Bolt Ring Assembly	High Speed Element
PF87B	**010301**	**011247**	**011227**
PF96B	**010302**	**011248**	**011228**
PF116B	**010304**	**011250**	**011230**
PF131B	**010305**	**011251**	**011231**
PF172B	**010530**	**011254**	**011234**
PF192B	**010531**	**011256**	**011236**
PF213B	**010508**	**011259**	**011239**
PF252B	**010509**	**011262**	**011242**

Complete coupling consists of: (1) BS Flange Assembly, (1) Bolt Ring Assembly, and (1) High Speed Element.

Unless otherwise specified, Size 60-120 BS flanges are clearance fit per AGMA 9002. Size 140-320 BS flanges are interference fit per AGMA 9002.

See page __ for additional details.

SAE Power Take Off & Flywheel Info.

Coupling Size	Fits Within These SAE Power Take-Off Housings	SAE Flywheel		
		Bolt Circle Diam.	Tapped Holes	
			No.	Size
PF87	6,5	8-3/4	8	5/16-18
PF96	4,3	9-5/8	6	3/8-16
PF116	4,3,2,1	11-5/8	8	3/8-16
PF131	3,2,1,0	13-1/8	8	3/8-16
PF172	0	17-1/4	8	1/2-13
PF192	0	19-1/4	8	1/2-13
PF213	0	21-3/8	6	5/8-11
PF252	0	25-1/4	12	5/8-11

DODGE®

POLY-DISC

SPECIFICATION

POLY-DISC Couplings are a pin type coupling using a molded polyurethane disc. The physical properties of the disc allow for the cushioning of shock loads and the resistance to most common chemicals such as acids, alkalis and petroleum products. The disc has an operating range of -90°F to +170°F.

The flexible disc is captured through metallic pins, utilizing a light press fit over the pins to prevent the accumulation of abrasive particles between the disc and pins. The pin holes are barreled to allow 2° angular misalignment and the flexible disc allows 1/32" parallel misalignment. The disc has spacer buttons to achieve automatic flange spacing which speeds up installation. Both flanges are machined all over and are taper bored to receive TAPER-LOCK bushings to permit quick and easy installation and removal on shafts of equal or different diameters.

HOW TO ORDER

Consists of:

(2) TAPER-LOCK Flanges
(2) TAPER-LOCK Bushings
(1) POLY-DISC Element

NOMENCLATURE

3-1/4 - H

Size — (O.D. of Coupling)

Type of T-L Flange
H-Bushing instals from hub side
F-Bushing installs from flange size

NOTE: Instruction manuals for POLY-DISC Couplings available on www.baldor.com

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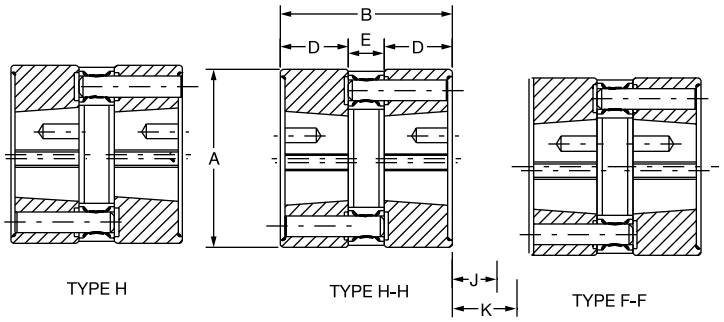
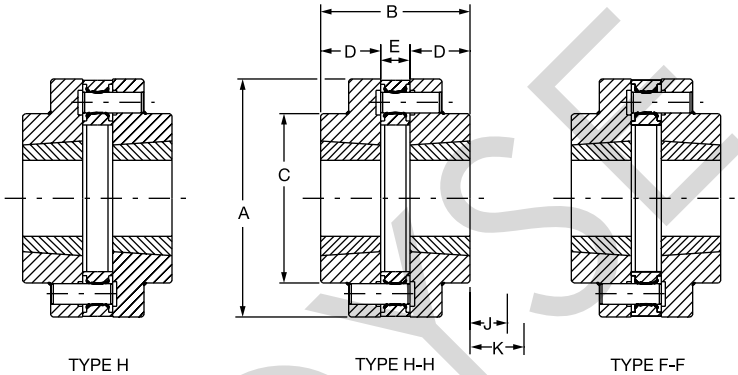
SPECIFICATION/HOW TO ORDER NOMENCLATURE

DODGE®

POLY-DISC

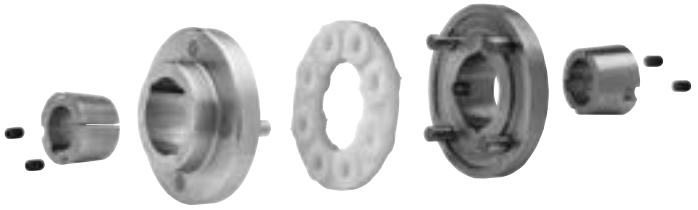


SIZE 2-5/8 & 3-1/4



SIZES 4 THRU 10

Coupling Size	TL Bushing Size	Min. Bore	Max. Bore	HP/100	Torque (In-Lb)	Max. RPM	A	B	C	D	E	J	K	Weight (Lbs.)	Inertia (Lb-Ft²)	Holes In disc
2-5/8	1008	1/2	1	0.29	180	3600	2.63	2.56	2.63	1.00	0.69	0.63	0.75	2.50	2.30	6
3-1/4	1210	1/2	1-1/4	0.57	360	3600	3.25	2.88	3.25	1.13	0.75	0.81	1.06	4.15	6.20	6
4	1215	1/2	1-1/4	0.95	600	3600	4.00	3.63	2.63	1.50	0.63	0.81	1.06	5.80	10.00	8
5-1/4	1615	1/2	1-11/16	2.29	1440	3600	5.25	3.75	3.25	1.50	0.75	0.81	1.06	12.10	34.40	8
7	2517	1/2	2-11/16	4.6	2900	3000	7.00	4.38	4.97	1.75	0.88	1.00	1.63	25.90	141.20	10
8	2517	1/2	2-11/16	10	6300	2400	8.00	4.63	5.00	1.75	1.13	1.00	1.63	34.10	246.70	12
10	3030	15/16	3-1/4	17.26	10900	2000	10.00	7.5	6.00	3.00	1.50	1.31	2.69	77.70	866.00	12



POLY-DISC Part Numbers

Coupling Size	TL Bushing Size	T-L Flanges		Disc
		Type H	Type F	
2-5/8	1008	**008057**	**008058**	**008030**
3-1/4	1210	**008059**	**008060**	**008031**
4	1215	**008041**	**008040**	**008032**
5-1/4	1615	**008043**	**008042**	**008033**
7	2517	**008045**	**008044**	**008034**
8	2517	**008047**	**008046**	**008035**
10	3030	**008049**	**008048**	**008036**

Complete coupling consists of:

- **(2) TAPER-LOCK Flanges**
- **(2) TAPER-LOCK Bushings**
- **(1) POLY-DISC Element**

NOTE: TAPER-LOCK bushings ordered separately. Refer to Bushing section PT6-15

DODGE®

RIGID COUPLINGS

TAPER-LOCK Rigid

TAPER-LOCK RIGID SPECIFICATION

Rigid Couplings provide a connection between two perfectly aligned shafts. Flanged Rigid Couplings consist of two flanges joined by bolts and are taper bored for TAPER-LOCK bushings to connect shafts of the same or different diameters.

HOW TO ORDER

TAPER-LOCK consist of:
(1) Male Flange Assembly
(1) Female Flange

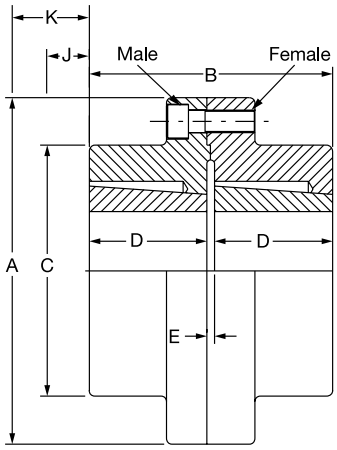
NOMENCLATURE

T-L Rigid R 35
Size
(Designated size of TAPER-LOCK Bushing)

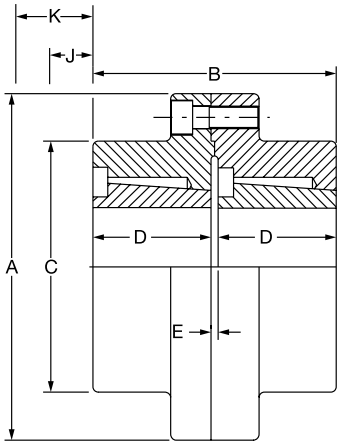
NOTE: Instruction manuals for TAPER-LOCK Bushings available on www.baldor.com

SELECTION/DIMENSIONS

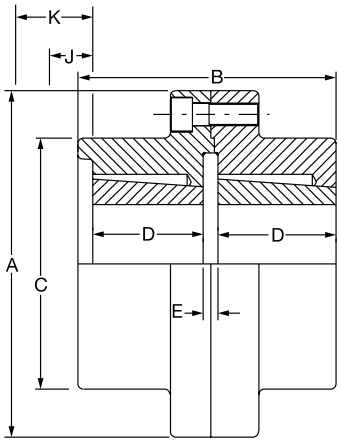
TAPER-LOCK RIGID



R16 TO R30



R35 TO R50



R60

Size	Bushing Size	Min. Bore	Max. Bore	HP/100	Torque (In Lb)**	Max. RPM	A	B	C	D	E	J*	K†	Weight (Lbs.)
R16	1615	1/2	1-11/16	8.0	5,050	4965	5.00	3.25	3.25	1.50	0.25	0.81	1.06	8.00
R25	2517	1/2	2-11/16	29.2	18,400	3545	7.00	3.75	5.00	1.75	0.25	1.00	1.63	19.10
R30	3030	15/16	3-1/4	50.5	31,800	2920	8.50	6.25	5.75	3.00	0.25	1.19	2.06	38.10
R35	3535	1-3/16	3-15/16	80.0	50,500	2545	9.75	7.25	7.00	3.50	0.25	1.31	2.69	62.20
R40	4040	1-7/16	4-7/16	120	75,500	2115	11.75	8.25	8.50	4.00	0.25	1.63	3.38	105.60
R45	4545	1-15/16	4-15/16	170	107,000	1910	13.00	9.25	9.50	4.50	0.25	1.94	4.06	146.70
R50	5050	2-7/16	5-5/16	233	147,000	1740	14.25	10.25	10.50	5.00	0.25	2.31	4.81	194.40
R60	6050	3-7/16	6	404	254,500	1240	20.00	13.25	16.00	5.00	1.75	1.63	4.38	526.70

* Space required to tighten bushing with shortened hex key in bushings 1615 through 5050. 6050 uses standard wrench. Also space required to loosen screws to permit removal of hub by a puller

† Space required to loosen bushing using screws as jack screws-no puller required. Use shortened hex key for bushing 1615 through 5050. 6050 uses standard wrench

** Ratings are based on uniform, non-reversing type loads. For more severe conditions, consult DODGE

TL Rigid couplings are capable of accommodating keyless locking devices for use with non-keyed shafting. Please contact DODGE for further details.

NOTE: Instruction manuals for TAPER-LOCK Rigid Couplings and TAPER-LOCK Bushings available on www.baldor.com

TAPER-LOCK Rigid Part Numbers

Coupling Size	Bushing Size	Standard		Stainless Steel*	
		Male Flange Assembly	Female Flange	Male Flange Assembly	Female Flange
R16	1615	**003001**	**003002**	**394157**	**394158**
R25	2517	**003003**	**003004**	**424453**	**424452**
R30	3030	**003005**	**003006**	**424490**	**424491**
R35	3535	**003007**	**003008**	**394455**	**393340**
R40	4040	**003009**	**003010**	**394032**	**394035**
R45	4545	**003011**	**003012**	**395635**	**395634**
R50	5050	**003013**	**003014**	**395637**	**395636**
R60	6050	**003015**	**003016**	**395639**	**395638**

Complete coupling consists of:

(1) Male Flange Assembly

(1) Female Flange

(2) TL Bushings

*** Stainless Steel TL Rigid couplings include zinc coated hardware.**

Hardware supplied with male flange

Available in reverse mount

NOTE: TAPER-LOCK bushings ordered separately.

Refer to bushing section PT6-16

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FEATURES/BENEFITS

Chain Couplings

DODGE Chain Couplings offer a simple, widely accepted and inexpensive way to couple two shafts. They are interchangeable with industry standard dimensions. DODGE Chain Couplings can be provided with TAPER-LOCK bushed hubs, finished bore or reboreable flanges. Chain coupling covers and chain assemblies are also available from stock.

Low Operating Cost
- Long service life
- Inexpensive initial investment
- Economical replacement costs

Broad Product Line
- Six popular TAPER-LOCK coupling sizes
- Eleven popular straight bore sizes
- Stocked covers available for higher speeds

Shaft Attachment Flexibility
- TAPER-LOCK bushings
- Slip fit with setscrews
- Interference fit

High Torque Capability
- Hardened tooth sprockets
- ANSI standard double width roller chain

Compact Design
- All metallic components
- Excellent torque to bore compatibility

NOTE: Instruction manual for Chain Couplings and TAPER-LOCK Bushings available on www.baldor.com

SPECIFICATION/HOW TO ORDER/NOMENCLATURE

DODGE®

Chain Couplings

SPECIFICATION

Chain Couplings transmit torque through two hubs with hardened sprocket teeth and a double width roller chain. The chain is wrapped around the sprocket and connected with a link or pin for easy installation or removal. The Chain Coupling allows for misalignment through the clearances between chain and sprocket teeth. The coupling allows 2° angular misalignment,.015" parallel misalignment and up to.300" shaft end float. The temperature range is -30°F to +225°F.

The coupling hubs have optional methods of attachment to the shaft including but not limited to: clearance fit, interference fit or TAPER-LOCK bushings. Clearance fits and interference fits are supplied with an industry standard keyway. Clearance fits are supplied with one set screw over the keyway.

Aluminum covers with elastomeric seals contain lubricant and protect the chain and teeth in an abrasive or corrosive atmosphere.

HOW TO ORDER

Standard couplings consist of:

(2) Flanges

(1) Chain Assembly

(1) Cover (check RPM requirements on page PT1-68)

NOMENCLATURE

FB 60 18

FB = Finished Bore
B = Reborable
Blank = TAPER-LOCK

Chain Size

Number of Teeth

Chain Couplings

Basic Size No.	Max. Bore			Max. RPM		*HP Ratings at Various RPM 1.0 Service Factor									
	TAPER-LOCK	Finished Bore	Reborable	Without Covers	With Covers	10	20	40	60	80	100	150	200	250	300
4012	..	3/4	7/8	875	5000	0.22	0.43	0.86	1.29	1.72	2.15	2.83	3.43	4.03	4.57
4016	1-1/8	1-1/8	1-5/16	875	5000	0.38	0.77	1.53	2.30	3.06	3.83	5.02	6.06	7.14	8.08
5012	...	1-1/8	1-1/8	875	...	40	0.81	1.61	2.42	3.23	4.03	5.30	6.39	7.57	8.57
5016	...	1-5/8	1-11/16	800	4000	0.73	1.46	2.93	4.39	5.86	7.32	9.60	11.7	13.7	15.5
5018	1-11/16	...	2	800	4000	0.95	1.89	3.79	5.68	7.57	9.47	12.4	15.0	17.7	20.0
6018	...	2-7/16	2-7/16	675	3000	1.73	3.46	6.92	10.4	13.8	17.3	22.9	27.6	32.5	36.8
6020	2-1/8	...	2-3/4	675	3000	2.25	4.50	9.01	13.5	18.0	22.5	29.6	35.6	42.0	47.6
8018	...	2-7/8	3-1/8	500	2000	3.86	7.72	15.4	23.2	30.9	38.6	50.8	61.4	72.3	81.5
8020	3-1/4	...	3-9/16	500	2000	5.03	10.1	20.1	30.2	40.3	50.3	66.1	79.7	94.0	106.0
10020	3-15/16	...	4-5/8	450	1800	8.68	17.4	34.7	52.1	69.4	86.8	115.0	139.0	162.0	184.0
12018	...	...	4-11/16	400	...	13.7	27.3	54.6	82.0	109.0	137.0	178.0	217.0	253.0	288.0
12020	4-7/16	...	...	400	1600	16.8	33.6	67.2	101.0	134.0	168.0	218.0	264.0	308.0	350.0

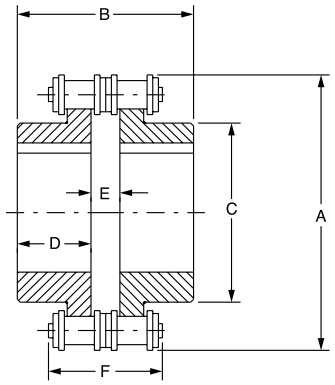
* TAPER-LOCK Bushings are not recommended below 250 RPM

Basic Size No.	Max. Bore			Max. RPM		HP Ratings at Various RPM 1.0 Service Factor									
	TAPER-LOCK	Finished Bore	Reborable	Without Covers	With Covers	350	400	500	600	800	1000	1200	1400	160	1800
4012	..	3/4	7/8	875	5000	5.10	5.57	6.55	7.56	9.42	11.3	13.1	14.9	16.6	18.2
4016	1-1/8	1-1/8	1-5/16	875	5000	9.04	9.89	11.6	13.4	16.7	20.1	23.0	26.3	29.3	32.7
5012	...	1-1/8	1-1/8	875	...	9.41	10.42	12.2	14.1	17.5	21.0	...	...	..	...
5016	...	1-5/8	1-11/16	800	4000	17.3	18.9	22.3	25.7	32.0	38.3	44.5	50.4	56.2	61.9
5018	1-11/16	...	2	800	4000	22.4	24.5	28.8	33.1	41.4	49.7	56.8	65.1	72.6	80.9
6018	...	2-7/16	2-7/16	675	3000	41.2	44.9	53.0	60.9	75.9	90.7	105.0	120.0	134.0	147.0
6020	2-1/8	...	2-3/4	675	3000	53.2	58.2	68.5	78.8	98.5	118.0	135.0	155.0	173.0	192.0
8018	...	2-7/8	3-1/8	500	2000	91.5	99.8	118.0	135.0	169.0	202.0	234.0	266.0	297.0	326.0
8020	3-1/4	...	3-9/16	500	2000	119.0	130.0	153.0	176.0	220.0	264.0	302.0	346.0	386.0	430.0
10020	3-15/16	...	4-5/8	450	1800	205.0	225.0	265.0	305.0	380.0	454.0	527.0	598.0	667.0	734.0
12018	...	...	4-11/16	400	...	322.0	355.0	...	...	...	...	...	...		
12020	4-7/16	...	...	400	1600	391.0	432.0	510.0	585.0	708.0	877.0	1003.0	1135.0	1273.0	....

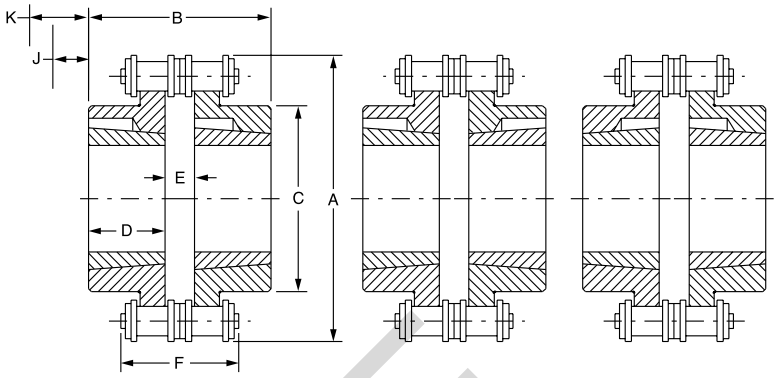
SELECTION/DIMENSIONS

Chain Couplings

STANDARD, STRAIGHT BORE AND TAPER-LOCK - FLANGES DIMENSIONS, RATINGS



STRAIGHT BORE CHAIN COUPLING



TAPER-LOCK CHAIN COUPLING

Ratings

Coupling Size	Straight Bore		TAPER-LOCK		Max. RPM		Weight (lbs.) (1)	
	Min.	Max.	Min.	Max.	Without Cover	With Cover	Str.	TL
4012	1/2	7/8	---	---	875	5000	2.20	---
4016	5/8	1-5/16	1/2	1-1/8	875	5000	3.80	2.70
5012	5/8	1-1/8	---	---	875	---	3.10	---
5016	5/8	1-11/16	---	---	800	4000	5.00	---
5018	3/4	2	1/2	1-11/16	800	4000	6.00	6.00
6018	1	2-7/16	---	---	675	3000	9.90	---
6020	1-1/8	2-3/4	1/2	2-1/8	675	3000	12.25	12.70
8018	1-1/8	3-1/8	--	---	500	2000	31.10	---
8020	1-1/2	3-9/16	7/8	3-1/4	500	2000	33.50	31.10
10020	1-1/2	4-5/8	1-3/16	3-15/16	450	1800	80.00	77.90
12018	2	4-11/16	---	---	400	---	110.00	---
12020	---	---	1-7/16	4-7/16	400	1600	---	135.00

Dimensions

Coupling Size	A	B		C	D		E		K (2)	J (3)
		Str.	T-L		Str.	T-L	Str.	T-L		
4012	2.41	2.53	---	1.41	1.13	---	0.28	---	---	---
4016	3.03	2.53	2.04	1.97	1.13	0.88	0.28	0.28	0.75	0.63
5012	3.00	2.88	---	1.75	1.25	---	0.38	---	---	---
5016	3.91	3.25	---	2.50	1.44	---	0.38	---	---	---
5018	4.19	3.75	2.38	2.97	1.69	1.00	0.38	0.38	1.06	0.81
6018	5.00	4.23	---	3.50	1.88	---	0.47	---	---	---
6020	5.50	4.47	2.94	3.88	2.00	1.25	0.47	0.47	1.38	0.94
8018	666	5.35	---	4.56	2.38	---	0.59	---	---	---
8020	7.30	5.85	4.59	5.38	2.63	2.00	0.59	0.59	2.06	1.19
10020	9.13	6.97	7.63	6.72	3.13	3.50	0.72	0.72	2.34	1.31
12018	10.00	7.88	---	6.75	3.50	---	0.86	---	---	---
12020	10.94	---	8.75	7.75	---	4.00	---	0.86	3.38	1.63

(1) Weight of complete coupling with cover at maximum bore (5012 & 12018 are without cover).

(2) Space required to loosen bushing with shortened hex key.

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SELECTION/DIMENSIONS

Chain Couplings

TAPER-LOCK, Reborable, Finished Bore Flanges - Part Number

Bore (in.)	Coupling Size											
	4012	4016	5012	5016	5018	6018	6020	8018	8020	10020	12018	12020
Chain Assembly	100480	100490	100489	100481	100491	100482	100492	100483	100493	100495	100497	100496
TL-H	---	• 099049	---	---	• 099053	---	• 099055	---	• 099057	• 099061	---	• 099063
TL-F	---	• 099048	---	---	• 099052	---	• 099054	---	• 099056	• 099060	---	• 099062
Bushing	---	1108	---	---	1610	---	2012	---	3020	3535	---	4040
Reborable	• 099190	• 099151	• 099150	• 099152	• 099161	• 099153	• 099162	• 099154	• 099163	• 099164	• 099226	
Finished Bore Hubs 1/2"	• 099100											
5/8"	• 099101	• 099138										
3/4"	• 099102	• 099103	• 099132	• 099141	• 099193							
7/8"		• 099104	• 099133	• 099107	• 099194							
15/16"		• 099139	• 099134									
1"		• 099105	• 099135	• 099108	• 099195	• 099142						
1-1/8"		• 099106	• 099136	• 099109	• 099196	• 099143	• 099209	• 099146				
1-3/16"		• 099191		• 099192	• 099197	• 099206						
1-1/4"		• 099140		• 099110	• 099198	• 099115	• 099210					
1-3/8"				• 099111	• 099199	• 099116						
1-7/16"				• 099112	• 099200	• 099117						
1-1/2"				• 099113	• 099201	• 099118	• 099211		• 099219			
1-5/8"				• 099114	• 099202	• 099119						
1-3/4"					• 099203	• 099120	• 099212	• 099147				
1-7/8"					• 099204	• 099121						
1-15/16"					• 099205	• 099122	• 099213	• 099125				
2"						• 099123		099126				
2-1/8"						• 099124	• 099214	• 099127				
2-3/16"						• 099207			• 099220			
2-1/4"						• 099208						
2-3/8"						• 099144	• 099215	• 099128				
2-7/16"						• 099145	• 099216	• 099129	• 099221			
2-5/8"							• 099217	• 099130				
2-11/16"									• 099222			
2-7/8"								• 099131				
2-15/16"								• 099218	• 099223			
3-1/8												
3-3/8									• 099224			
3-7/16									• 099225			

• Stock Sizes

Complete coupling consists of:

(2) Hubs, TAPER-LOCK, straight bore, or reborable
(1) Chain Assembly
(1) Cover Assembly (if required)

NOTE: For TAPER-LOCK designs, TAPER-LOCK bushings must be ordered separately

SELECTION/DIMENSIONS

Chain Couplings

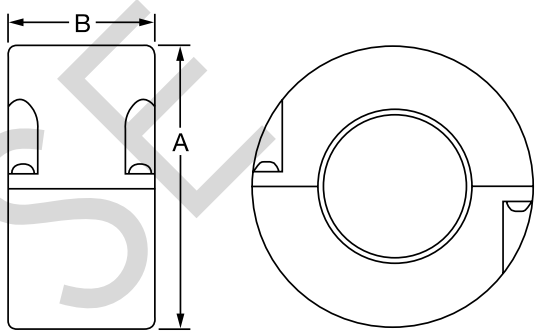
CHAIN COUPLING COVERS

Chain coupling covers are recommended for use when couplings are operating under abrasive or moist conditions, or when coupling speeds exceed the RPM listed in the table below.

Cover should be filled with a roller bearing grease of soft or medium consistency. This provides excellent lubrication and substantially increases coupling life.

Chain Coupling Cover Recommendation

Coupling Size	Cover required when Coupling RPM exceeds this figure
4012	875
4016	875
5016	800
5018	800
6018	675
6020	675
8018	500
8020	500
10020	450
12020	400



Chain Coupling Cover Assemblies ▲

For Coupling Size	Cover Size	Part No.	Wt. (lbs.)	A	B
4012 4016	40	**099026**	1.0	4.00	2.00
5016 5018	50	**099027**	1.3	5.13	2.38
6018 6020	60	**099028**	2.6	6.38	2.94
8018 8020	80	**099029**	5.1	8.19	4.00
10020	100	**099024**	12.2	10.13	5.25
12020	120	**099025**	19.5	12.25	6.13

▲ **Consists of (2) cover halves and screws; (4) seals for cover sizes 4012/4016 thru 8012/8020; (2) seals for cover sizes 10020 and 12020; and (2) cover gaskets.**

CONTENTS

Couplings

FEATURES/BENEFITS

DODGE PARA-FLEX Couplings

Superior "Problem Solver" Element Design

- Industry leading misalignment capabilities
- End split reinforcement for increased torque ratings and extended life
- Reinforced torque-carrying tension cords prevent unexpected downtime
- Uniform and centered beads prevent element pull out during operation
- Protects connected equipment by damping vibrations and shock loads

Industry Leading Five-Year Limited Warranty

- Over 50 years of proven performance
- Reliable product operation
- Includes sizes PX40 to PX200

Increased Productivity

- Non-lubricated design assures trouble-free operation
- Visual inspection saves time and allows for preventive maintenance
- Split element for easy installation

ATEX Approved

- All documents and markings included with standard product to meet ATEX requirements

TAPER-LOCK Flange Design

- Utilizes standard TAPER-LOCK bushings for easy installation and removal
- Reversible flanges for H and F style mounting on sizes PX50-PX120
- "TLX" extended bore capacity flanges for increased bore capacities
- Pre-assembled for quick installation

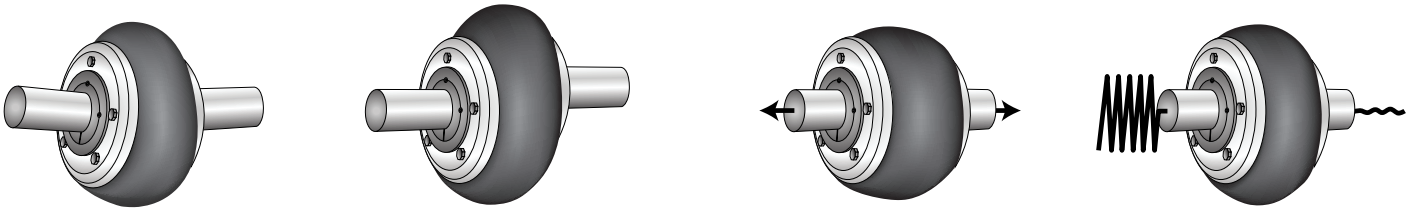
QD Flange Design

- Utilizes standard QD bushings for easy installation and removal
- Industry leading bore and torque capacities versus competitive designs
- Hardware installs from inside or outside of the hub for mounting flexibility
- Pre-assembled for quick installation

Bored to Size

- Steel flanges are ideal for high shock load and vibration applications
- Largest bore capacity of all Para-Flex products

Accommodates Misalignment



Takes 4° angular misaligment | Takes 1/8" parallel misaligment | Takes end-float of 1/4" to 5/16" | Dampens vibrations

PARA-FLEX

SPECIFICATION

PARA-FLEX Couplings employ a molded, non-lubricated elastomeric flexing member loaded in shear. The flexible element is compounded natural or neoprene rubber with textile cord reinforcement throughout and has an extra layer of reinforcement adjacent to the split for added durability. The compound of natural rubber element shall be suitable for operation in ambient temperature from -45°F to +180°F; Neoprene -40°F to +210°F.

The flexible element is attached by clamping between axially separable rings with exposed cap screws. The couplings are designed to be capable of accommodating combined misalignments of 4° angular, 1/8" parallel, and 5/16" end float at the full rating of the coupling without restricting the life of the coupling. The flexible element must be replaceable without disturbing the coupled equipment and without the requirement for realignment.

The coupling assemblies have optional methods of attachment to the shaft including but not limited to: clearance fit, interference fit TAPER-LOCK or QD bushings. Clearance fits are supplied with an industry standard keyway and two set screws, one over the key and one at 65°.

1 PX40:	4° angular, 1/16" parallel, 3/16" end float.
2 PX110:	4° angular, 1/8" parallel, 1/4" end float.
3 PH & PF:	1° angular, 1/16" parallel, 3/16" end float.

PARA-FLEX Couplings are static conductive.

HOW TO ORDER

Standard couplings consist of:

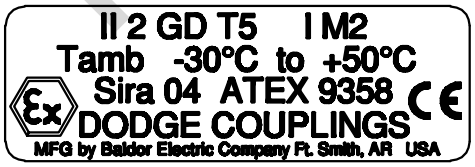
(2) Flange Assemblies

(1) Flexible Element

(2) Bushings (TL or QD)

ATEX Approved

- All documents and markings included with standard product to meet ATEX requirements



SPECIFICATION/HOW TO ORDER/NOMENCLATURE

NOMENCLATURE

PX **40** **FBX**

PARA-FLEX

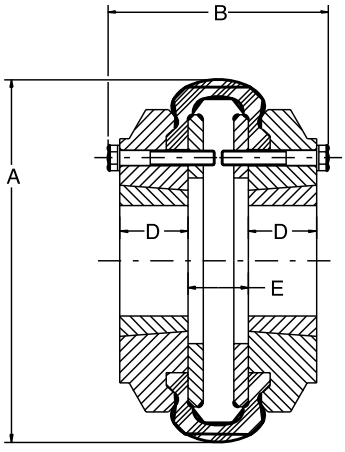
X = Standard
H = High Speed
F = Flywheel

Size (PX only): Approx. 4” O.D.

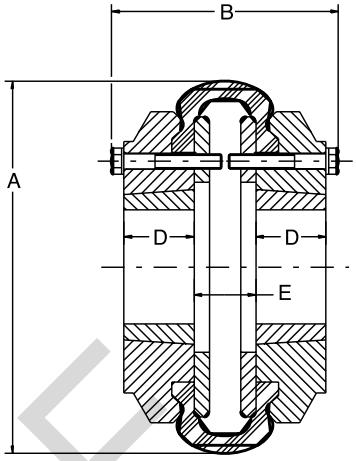
TL = TAPER-LOCK®
TLX = TAPER-LOCK, Extra Capacity
QD = QD Bushed
BBS = Bored-To-Size, Steel
TBS = One Taper Bored, one Bored-To-size, Steel
BBPS = BBS, Piloted for Floating Shaft
TBPS = TBS, Piloted for Floating Shaft

SELECTION/DIMENSIONS

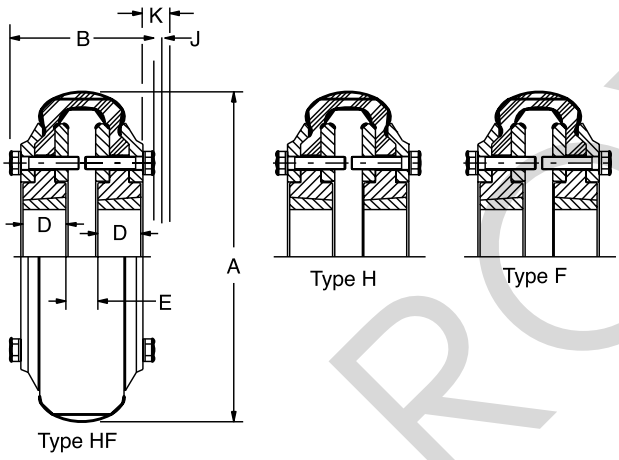
Standard, TAPER-LOCK



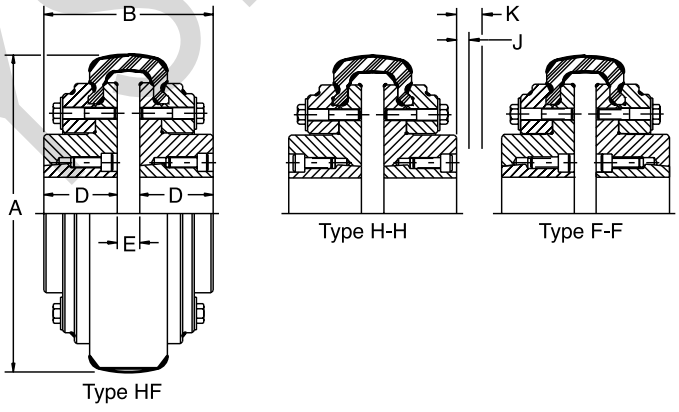
Style 1
Type H Taper-Lock



Style 1
Type F Taper-Lock



Style 2 Taper-Lock couplings
with reversible flange



Style 3 PARA-FLEX Taper-Lock couplings

DODGE®

SELECTION/DIMENSIONS

Standard, TAPER-LOCK

Coupling Size	TAPER-LOCK Bushing Size	Max. Bore	HP/100	Torque (In-Lbs)	Max. RPM	Style	A	B	D	E	J (1)	K (2)	Weight (Lbs.) (3)	Intertia (Lb-Ft²) (4)
PX40TL	1008	1	0.68	429	4500	1	4.25	3	0.88	0.77	0.63	0.75	4.2	0.05
PX50TL	1108	1-1/8	1.43	900	4500	1	5.25	2.75	0.88	0.53	0.63	0.75	4.7	0.07
PX60TL	1310	1-7/16	2.86	1800	4000	1	6.5	3.34	1	0.72	0.81	1.06	9.2	0.21
PX70TL	1610	1-11/16	3.49	2200	3600	2	7.38	3.56	1	0.95	0.81	1.06	13	0.3
PX70TLX-F	2012	2-1/8	3.49	2200	3600	3	7.38	3.83	1.25	0.95	0.94	1.38	14.8	0.3
PX80TL	2012	2-1/8	5.72	3605	3100	2	8.38	3.75	1.25	0.77	0.94	1.38	19.6	0.73
PX80TLX-F	2517	2-11/16	5.72	3605	3100	3	8.38	3.99	1.75	0.77	1	1.63	24.7	0.8
PX90TL	2517	2-11/16	7.15	4502	2800	2	9.25	4.03	1.75	0.33	1	1.63	28.8	1.3
PX100TL	2517	2-11/16	8.58	5402	2600	2	10	4.22	1.75	0.52	1	1.63	38	2.2
PX100TLX-F	3020	3-1/4	8.58	5402	2600	3	10	4.36	2	0.52	1.19	2.06	42.6	2.4
PX110TL	2517	2-11/16	12.3	7750	2300	2	11	4.53	1.75	0.47	1	1.63	52.1	3.7
PX110TLX-F	3020	3-1/4	12.3	7750	2300	3	11	4.75	2	0.47	1.19	2.06	57.2	3.9
PX110TLX-H	3020	3-1/4	12.3	7750	2300	3	11	4.75	2	0.47	1.19	2.06	57.2	3.9
PX120TL	3020	3-1/4	20	12605	2100	2	12.38	5.03	2	0.44	1.19	2.06	74.4	6.6
PX120TLX-F	3525	3-15/16	20	12605	2100	3	12.38	5.45	2.5	0.44	1.31	2.69	88.1	7.4
PX140TL	3535	3-15/16	44	27590	1840	3	14.13	7.81	3.5	0.81	1.31	2.69	156	18.7
PX160TL	4040	4-7/16	60	37800	1560	3	16.63	9.19	4	1.19	1.63	3.38	243	33.7
PX200TL	4545	4-15/16	131	82500	1300	3	20	10.31	4.5	1.31	1.94	4.06	417	101
PX240TL	5050	5	240	151200	1080	3	24.13	11.91	5	1.91	2.31	4.81	682	231
PX280TL	7060	7	480	302200	910	3	28.5	15.97	6	2.22	1.63	4.38	1148	544
PX320TL	8065	8	719	453000	810	3	32.5	16.31	6.5	2.06	1.63	4.38	1640	1077

Notes: (1) Space required to tighten bushing with shortened hex key.
(2) Space required to loosen bushing with shortened hex key.
(3) Weight of complete coupling with bushing.
(4) Inertia of complete coupling with bushing.

Flange assembles may be combined or interchanged for a given element size.

Upon combination, dimensions B and E as well as mass and inertia should be average to determine appropriate value.

SELECTION/DIMENSIONS

Standard, TAPER-LOCK Part Numbers

TAPER-LOCK Flange Assemblies

Coupling Size	Flange Assembly Part No.		TAPER-LOCK Bushing Size
	Type H	Type F	
PX40TL	**000849**	**000848**	1008
PX50TL	**010601**	✻	1108
PX60TL	**010602**	✻	1310
PX70TL	**010603**	✻	1610
PX70TLX-F	**-**	**395277**	2012 •
PX80TL	**010604**	✻	2012
PX80TLX-F	**-**	**395278**	2517 •
PX90TL	**010605**	✻	2517
PX100TL	**010606**	✻	2517
PX100TLX-F	**-**	**395279**	3020 •
PX110TL	**010607**	✻	2517
PX110TLX-H	**395281**	**-**	3020 •
PX110TLX-F	**-**	**395280**	3020 •
PX120TL	**010608**	✻	3020
PX120TLX-F	**-**	**395282**	3525 •
PX140TL	**011134**	**011154**	3535
PX160TL	**011137**	**011157**	4040
PX200TL	**011140**	**011160**	4545
PX240TL	011144	011164	5050
PX280TL	011455	011456	7060
PX320TL	011472	011471	8065

✻ PX50-PX120 have a reversible flange for type H or F mount

Complete coupling consists of (2) TAPER-LOCK Flange Assemblies.
(2) Taper-Lock Bushings, and (1) Element.

For Taper-Lock Bushings, see page/section _____

• These flanges require a metric bushing, see page _____

Elements

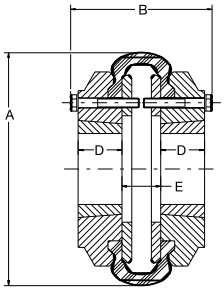
Coupling Size	Standard Part No.	Neoprene (1) Part No.	Cordless (2) Part No.
PX40	**011529**	**012455**	**012456**
PX50	**011105**	**011296**	**011285**
PX60	**011106**	**011297**	**011286**
PX70	**011107**	**011298**	**011287**
PX80	**011108**	**011299**	**011288**
PX90	**011109**	**011300**	**011289**
PX100	**011110**	**011301**	**011290**
PX110	**011111**	**011302**	**---**
PX120	**011112**	**011303**	**011292**
PX140	**011114**	**011304**	**---**
PX160	**011117**	**011305**	**---**
PX200	**011120**	**011306**	**---**
PX240	**011124**	**011312**	**---**
PX280	**011457**	**011313**	**---**
PX320	**011463**	**011315**	**---**

(1) Neoprene element ratings are the same as the standard natural rubber element ratings. (Green sticker or painted mark)

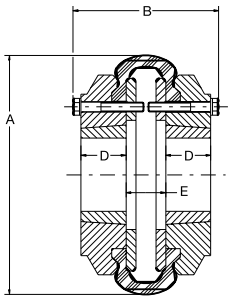
(2) Cordless elements have an average static torsional stiffness 25% of the standard element and approximately 25% of the torque rating. (White sticker or painted mark)

SELECTION/DIMENSIONS

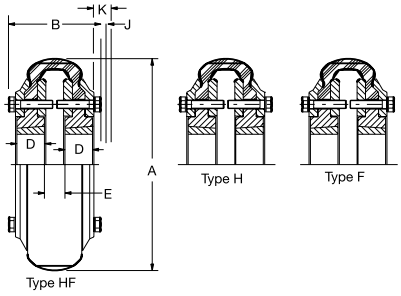
Metric, TAPER-LOCK Part Numbers



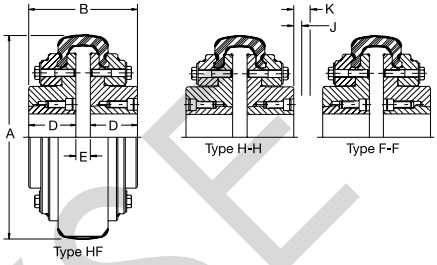
Style 1
Type H Taper-Lock



Style 1
Type F Taper-Lock



Style 2 Taper-Lock couplings
with reversible flange



Style 3 PARA-FLEX Taper-Lock couplings

Taper-Lock Couplings*

Coupling flange assy.	Element size	Min. bore	Max. bore	TL Bushing*	kW/100	Torque (in-lbs)	Max RPM	Style	A (in)	B = (in)	D (in)	E = (in)	J(1) (in)	K(2) (in)	Mass(3 =) (lbs)	Inertia(4 =) (lb-ft²)
PXM40TL	40	13	25	1008	0.51	425	4500	1	4.25	3	.88	.77	.63	.75	4.2	.05
PXM50TL	50	13	32	1210	1.07	900	4500	1	5.25	2.75	.88	.53	.63	.75	4.7	.07
PXM60TL	60	13	42	1610	2.13	180	4000	1	6.5	3.34	1	.72	.81	1.06	9.2	.21
PXM70TL	70†	13	42	1610	2.60	2200	3600	2	7.38	3.56	1	.95	.81	1.06	13	.3
PXM70TLX-F	70†	13	50	2012	2.60	2200	3600	3	7.38	3.83	1.25	.95	.94	1.38	14.8	.3
PXM80TL	80†	13	50	2012	4.27	3605	3100	2	8.38	3.75	1.25	.77	.94	1.38	19.6	.73
PXM80TLX-F	80†	13	65	2517	4.27	3605	3100	3	8.38	3.99	1.75	.77	1	1.63	24.7	.8
PXM90TL	90	13	65	2517	5.33	4502	2800	2	9.25	4.03	1.75	.33	1	1.63	28.8	1.3
PXM100TL	100†	13	65	2517	6.40	5402	2600	2	10	4.22	1.75	.52	1	1.63	38	2.2
PXM100TLX-F	100†	24	80	3020	6.40	5402	2600	3	10	4.36	2	.52	1.19	2.06	42.6	2.4
PXM110TL	110†	13	65	2517	9.18	7750	2300	2	11	4.53	1.75	.47	1	1.63	52.1	3.7
PXM110TLX-H	110†	24	80	3020	9.18	7750	2300	3	11	4.75	2	.47	1.19	2.06	57.2	3.9
PXM110TLX-F	110†	24	80	3020	9.18	7750	2300	3	11	4.75	2	.47	1.19	2.06	57.2	3.9
PXM120TL	120†	24	80	3020	14.92	12605	2100	2	12.38	5.03	2	.44	1.19	2.06	74.4	6.6
PXM120TLX-F	120†	31	100	3525	14.92	12605	2100	3	12.38	5.45	2.5	.44	1.31	2.69	88.1	7.4
PXM140TL	140	31	95/100•	3535	32.82	27590	1840	3	14.13	7.81	3.5	.81	1.31	2.69	156	18.7
PXM160TL	160	37	105/115•	4040	44.76	37800	1560	3	16.63	9.19	4	1.19	1.63	3.38	243	33.7
PXM200TL	200	50	115/125•	4545	97.73	82500	1300	3	20	10.31	4.5	1.31	1.94	4.06	417	101
PXM240TL	240	61	127	5050	179.04	151200	1080	3	24.13	11.91	5	1.91	2.31	4.81	682	231

(1) Space required to tighten bushing with shortened hex key
(2) Space required to loosen bushing with shortened hex key
(3) Weight of complete coupling with bushing
(4) Inertia of complete coupling with bushing
* Metric hardware
• Requires short series bushings to achieve maximum bore.

† Flange assemblies may be combined or interchanged for a given element size. Upon combination, dimensions B & E as well as mass and inertia should be averaged for appropriate value.
H = Hub Mount
F = Flange Mount

FEATURES/BENEFITS PAGE PT1-2	SPECIFICATION/HOW TO ORDER PAGE PT1-3	MODIFICATION/ACCESSORIES PAGE PT1-79	ENGINEERING/TECHNICAL PAGE PT1-81

SELECTION/DIMENSIONS

Metric, TAPER-LOCK

Complete Para-Flex coupling consists of:
one element, two PXMTL flange assemblies and two TL bushings

Para-Flex Taper-Lock flange assemblies

Coupling size	Type H	Type F	
	Part Number	Part Number	Taper-Lock bushing size
PXM40TL	**013095**	**013096**	1008
PXM50TL	**013041**	**013040**	1210
PXM60TL	**013043**	**013042**	1610
PXM70TL	**013044**	*	1610
PXM70TLX-F	—	**395277**	2012
PXM80TL	**013045**	*	2012
PXM80TLX-F	—	**395278**	2517
PXM90TL	**013046**	*	2517
PXM100TL	**013047**	*	2517
PXM100TLX-F	—	**395279**	3020
PXM110TL	**013048**	*	2517
PXM110TLX-H	**395281**	—	3020
PXM110TLX-F	—	**395280**	3020
PXM120TL	**013049**	*	3020
PXM120TLX-F	—	**395282**	3525
PXM140TL	**013051**	**013050**	3535 / 3525•
PXM160TL	**013053**	**013052**	4040 / 4030 •
PXM200TL	**013055**	**013054**	4545 / 4535 •
PXM240TL	**395286**	**395285**	5050

Notes:
* Have reversible flange for type H or F mount.
• Requires short series bushing to achieve maximum bore.
Metric bushing required
For Taper-Lock designs, Taper-Lock bushings must be ordered separately.

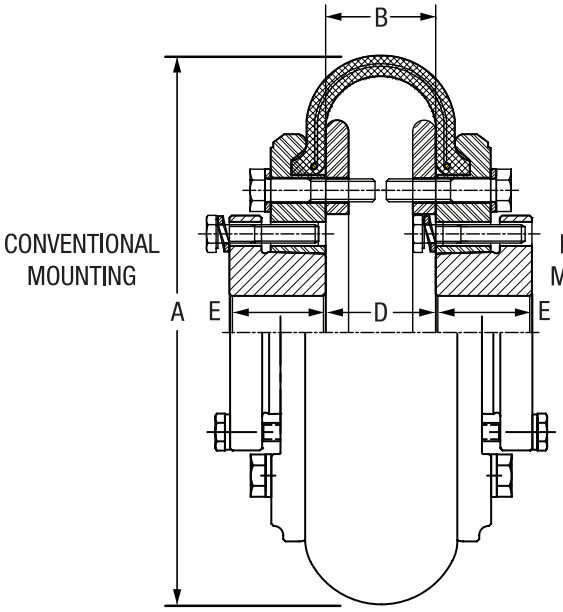
Elements

Coupling Size	Standard Part No.	Neoprene (1) Part No.	Cordless (2) Part No.
PX40	**011529**	**012455**	**012456**
PX50	**011105**	**011296**	**011285**
PX60	**011106**	**011297**	**011286**
PX70	**011107**	**011298**	**011287**
PX80	**011108**	**011299**	**011288**
PX90	**011109**	**011300**	**011289**
PX100	**011110**	**011301**	**011290**
PX110	**011111**	**011302**	---
PX120	**011112**	**011303**	**011292**
PX140	**011114**	**011304**	---
PX160	**011117**	**011305**	---
PX200	**011120**	**011306**	---
PX240	**011124**	**011312**	---

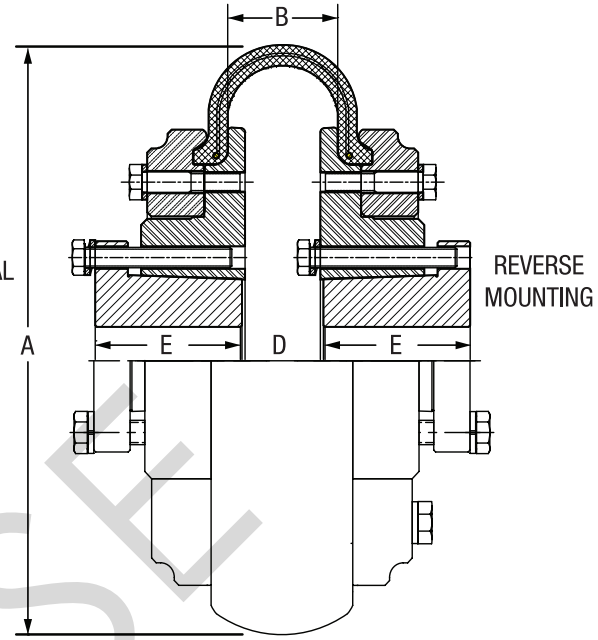
(1) Neoprene element ratings are the same as the standard natural rubber element ratings. (Green sticker or painted mark)
(2) Cordless elements have an average static torsional stiffness 25% of the standard element and approximately 25% of the torque rating. (White sticker or painted mark)

SELECTION/DIMENSIONS

Standard, QD Bushed



PX50-120QD FLANGE ASSY



PX140-200QD FLANGE ASSY

Dimensions

Coupling Size	Bushing Size	Max Bore (In.)			HP/100	Torque Rating (In-Lbs)	Max RPM	Style	Dimensions (In.)				Weight (1) (Lbs.)	Inertia (2) (Lb-Ft)
		Full KW	Shallow KW	No KW					A	B	D	E		
PX50QD	JA	1	1-3/16	1-1/4	1.43	900	4500	1	5 1/4	3 7/8	1	1 17/32	4.7	0.08
PX60QD	SH	1-3/8	1-5/8	1-11/16	2.86	1800	4000	1	6 1/2	4 23/32	1 1/4	1 25/32	8.0	0.24
PX70QD	SDS	1-5/8	1-15/16	2	3.49	2200	3600	1	7 3/8	4 17/32	1 5/16	1 1/2	10.7	0.45
PX80QD	SK	2-1/8	2-1/2	2-5/8	5.72	3600	3100	1	8 3/8	5 13/16	3 7/8	1 1/2	15.5	0.88
PX90QD	SK	2-1/8	2-1/2	2-5/8	7.15	4350	2800	1	9 1/4	5 7/8	3 7/8	1 9/16	22.0	1.60
PX100QD	SF	2-5/16	2-15/16	–	8.58	5250	2600	1	10	6 1/8	4 5/8	1 15/32	32.0	2.90
PX110QD	SF	2-5/16	2-15/16	–	12.3	7750	2300	1	11	5 7/8	4 5/8	1 3/16	46.0	4.30
PX120QD	E	2-7/8	3-1/2	–	20	12540	2100	1	12 3/8	7 1/4	6	1 1/4	59.8	6.70
PX140QD	F	3-1/4	3-15/16	4	44	27590	1840	2	14 1/8	9 1/2	6 5/8	1 3/8	132.5	19.50
PX160QD	J	3-3/4	4-1/2	–	60	37800	1560	2	16 5/8	11 1/2	7 1/4	1 3/8	208.7	34.60
PX200QD	J	3-3/4	4-1/2	–	131	82500	1300	2	20	11 3/4	7 1/4	1 13/16	366.0	103.00

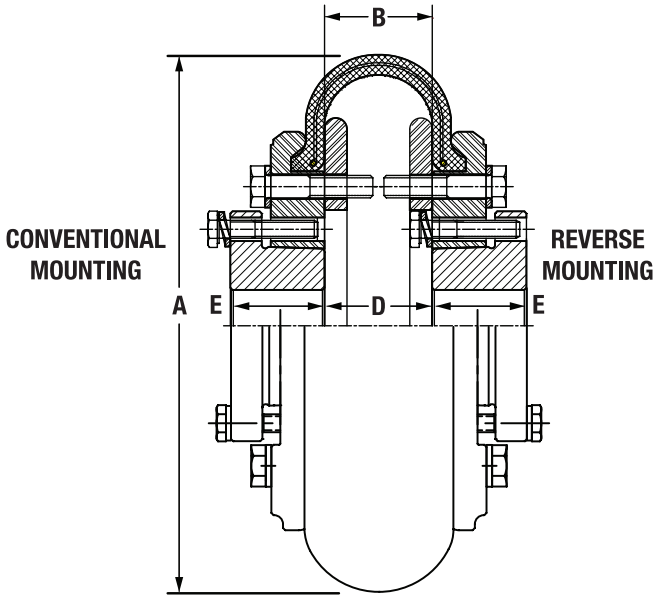
Notes:

(1) Weight of complete coupling with bushings.

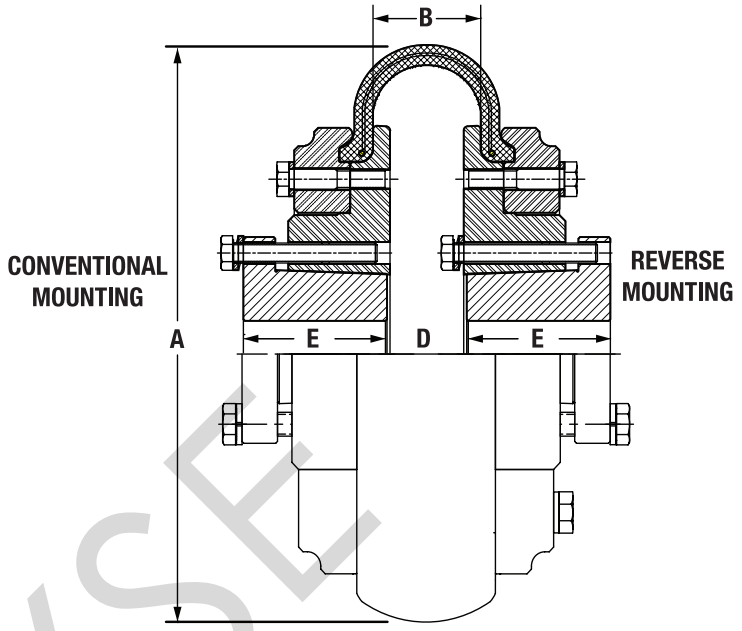
(2) Inertia of complete coupling with bushing.

SELECTION/DIMENSIONS

Standard, QD Bushed



PX50-120QD FLANGE ASSY



PX140-200QD FLANGE ASSY

Para-Flex QD Part Numbers

Size	PXQD Flanges		Elements		
	Description	Part No.	Standard	Neoprene (1)	Cordless (2)
PX50	PX50QD FLANGE ASSEMBLY	013210	011105	011296	011285
PX60	PX60QD FLANGE ASSEMBLY	013211	011106	011297	011286
PX70	PX70QD FLANGE ASSEMBLY	013212	011107	011298	011287
PX80	PX80QD FLANGE ASSEMBLY	013213	011108	011299	011288
PX90	PX90QD FLANGE ASSEMBLY	013214	011109	011300	011289
PX100	PX100QD FLANGE ASSEMBLY	013215	011110	011301	011290
PX110	PX110QD FLANGE ASSEMBLY	013216	011111	011302	–
PX120	PX120QD FLANGE ASSEMBLY	013217	011112	011303	011292
PX140	PX140QD FLANGE ASSEMBLY	013218	011114	011304	–
PX160	PX160QD FLANGE ASSEMBLY	013219	011117	011305	–
PX200	PX200QD FLANGE ASSEMBLY	013220	011120	011306	–

Complete Para-Flex QD coupling consists of one element, two flanges, and two QD bushings.

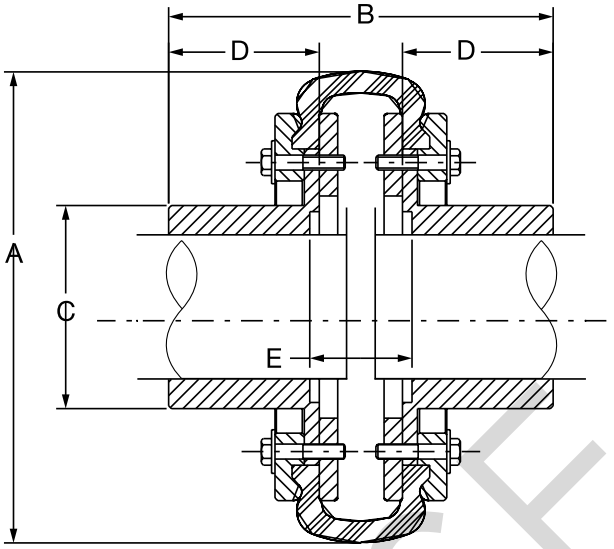
Notes:

(1) Neoprene element ratings are the same as the standard natural rubber element ratings. (Green sticker or painted mark)

(2) Cordless elements have an average static torsional stiffness 25% of the standard element and approximately 25% of the torque rating. (White sticker or painted mark)

SELECTION/DIMENSIONS

Bored to Size, Type BBS



PX60 Thru PX320 Type BBS Couplings

Coupling Size	Min. Bore	Max. Bore	HP/100	Torque (In-Lbs)	Max. RPM	A	B	C	D	E	Weight (1) (Lbs.)	Inertia (2) (Lb-Ft²)
PX60BBS	none	1-1/2	2.86	1,800	4000	6.50	4.28	2.38	1.50	1.28	8.8	.21
PX70BBS	none	2-1/8	3.49	2,200	3600	7.38	5.00	2.94	1.75	1.50	12.8	.32
PX80BBS	none	2-9/16	5.72	3,605	3100	8.38	5.50	3.69	2.00	1.50	18.4	.79
PX90BBS	none	2-3/4	7.15	4,502	2800	9.25	6.03	4.13	2.25	1.53	25.6	1.4
PX100BBS	none	3-1/4	8.58	5,402	2600	10.00	6.97	4.94	2.63	1.72	36.4	2.5
PX110BBS	none	3-15/16	12.30	7,750	2300	11.00	7.56	5.44	3.00	1.56	47.3	4.2
PX120BBS	none	4	20.00	12,605	2100	12.38	8.25	5.81	3.25	1.75	68.4	7.0
PX140BBS	2-1/4	4-1/2	44.00	27,590	1840	14.13	9.81	7.00	3.88	2.44	127.2	16.4
PX160BBS	2-1/2	6	60.00	37,800	1560	16.63	12.94	8.50	5.13	3.06	210.8	39.6
PX200BBS	2-7/8	6-3/4	131.00	82,500	1300	20.00	15.56	9.38	6.13	3.75	333.5	76.9
PX240BBS	4	7-1/2	240.00	151,200	1080	24.13	14.16	10.00	5.13	4.34	481.0	188.1
PX280BBS	4-7/16	9	480.00	302,200	910	28.50	18.47	12.00	7.13	4.66	802.0	440.8
PX320BBS	5-1/2	11	719.00	453,000	810	32.50	20.75	14.00	8.13	4.94	1074.0	709.6

(1) Weight of complete coupling at maximum bore

(2) Inertia of complete coupling at maximum bore

SELECTION/DIMENSIONS

Bored to Size, Type BBS

PX60BBS - PX320BBS Part Numbers

Coupling Size	BS Flange Assemblies Rough Bore	Standard Element
PX60BBS	**010300**	**011106**
PX70BBS	**010301**	**011107**
PX80BBS	**010302**	**011108**
PX90BBS	**010303**	**011109**
PX100BBS	**010304**	**011110**
PX110BBS	**010305**	**011111**
PX120BBS	**010306**	**011112**
PX140BBS	**010530**	**011114**
PX160BBS	**010531**	**011117**
PX200BBS	**010532**	**011120**
PX240BBS	**010533**	**011124**
PX280BBS	**010528**	**011457**
PX320BBS	**010529**	**011463**

Unless otherwise specified, Size 60-120 BBS flanges are clearance fit per AGMA 9002. Size 140-320 BBS flanges are interference fit per AGMA 9002.
See page __ for additional details.

Complete coupling consists of: (2) BS Flange Assemblies and (1) Element.

PARA-FLEX Elements - Part Numbers

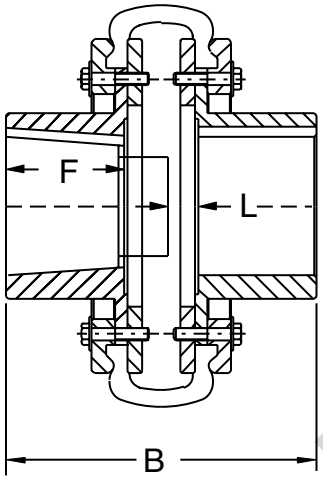
Element Size	Standard	Neoprene (1)	Cordless (2)	Weight (Lbs)
	Part No.	Part No.	Part No.	
PX40	**011529**	**012455**	**012456**	0.3
PX50	**011105**	**011296**	**011285**	0.7
PX60	**011106**	**011297**	**011286**	1.2
PX70	**011107**	**011298**	**011287**	1.6
PX80	**011108**	**011299**	**011288**	2.2
PX90	**011109**	**011300**	**011289**	2.6
PX100	**011110**	**011301**	**011290**	2.5
PX110	**011111**	**011302**	---	3.0
PX120	**011112**	**011303**	**011292**	4.8
PX140	**011114**	**011304**	---	5.6
PX160	**011117**	**011305**	---	9.1
PX200	**011120**	**011306**	---	20.8
PX240	**011124**	**011312**	---	27.0
PX280	**011457**	**011313**	---	45.0
PX320	**011463**	**011315**	---	80.0

(1) Neoprene element ratings are the same as the standard natural rubber element ratings. (Green sticker or painted mark)

(2) Cordless elements have an average static torsional stiffness 25% of the standard element and approximately 25% of the torque rating. (White sticker or painted mark)

SELECTION/DIMENSIONS

Mill Motor, Type TBS



Size	For Mill Motor Size	Min. Bore	Max. Bore	HP/100	Torque (In-Lbs)	Max. RPM	B	F	L	Weight(1) (Lbs.)	Inertia(2) (Lb-Ft²)
PX60TBS	602,802*	none	1-1/2	2.86	1,800	4000	5.78	3.00	0.34	10.1	0.21
PX70TBS	603 802B,802C	none	2-1/8	3.49	2,200	3600	6.75 6.25	3.50 3.00	0.50 0.56	16.1	0.32
PX80TBS	603,803 604804	none	2-9/16	5.72	3,605	3100	7.00 7.00	3.50 3.50	0.50 0.50	23.2	0.79
PX90TBS	804	none	2-3/4	7.15	4,502	2800	7.28	3.50	0.53	29.9	1.4
PX100TBS	804	none	3-1/4	8.58	5,402	2600	7.84	3.50	0.72	44.4	2.5
PX110TBS	606,806 608	none	3-15/16	12.30	7,750	2300	8.56 9.06	4.00 4.50	0.59 0.16	62.3	4.2
PX120TBS	608,806 608,808	none	4	20.00	12,605	2100	9.00 9.50	4.00 4.50	0.63 0.50	81.4	7.0
PX140TBS	808 610-810 612	2-1/4	4-1/2	44.00	27,590	1840	10.63 10.63 11.06	4.69 4.69 5.13	1.19 1.06 0.94	136.2	16.4
PX160TBS	810 612-812 614	2-1/2	6	60.00	37,800	1560	12.50 12.94 12.94	4.69 5.13 5.13	1.69 1.56 1.44	227.8	39.6
PX200TBS	812 614-814 616-816 618-818	2-7/8	6-3/4	131.00	82,500	1300	14.63 14.63 15.13 15.56	5.19 5.19 5.69 6.13	2.19 2.06 1.94 2.38	344.5	76.9
PX240TBS	818 620	4	7-1/2	240.00	151,200	1080	15.22 15.91	6.19 6.88	2.97 2.53	519	188.1
PX280TBS	622 624	5-1/4	9	480.00	302,200	910	18.78 20.78	7.44 9.44	2.22 2.22	836	440.8

◆ Refer to page PT1-24 for additional envelope information

* 1-1/4" per foot taper on diameter

SELECTION/DIMENSIONS

Mill Motor, Type TBS

PX60 - PX280 TBS Part Numbers

Coupling Size	For Mill Motor Size	TBS Flange Assembly	Standard Element	BS Flange Assembly
PX60TBS	602,802*	010471	011106	
PX70TBS	603	010472	011107	
	802B,802C	010473		
PX80TBS	603,803	010474	011108	
	604,804			
PX90TBS	804	010475	011109	
PX100TBS	804	010476	011110	
PX110TBS	606,806	010477	011111	
	608	010478		
PX120TBS	606,806	010479	011112	
	608,808	010480		
PX140TBS	608,808	008980	011114	See Page PT1-30
	610,810	008981		
	612,812	008982		
PX160TBS	610,810	008983	011117	
	612,812	008984		
	614	008985		
PX200TBS	612,812	008986	011120	
	614,814	008987		
	616,816	008988		
	618,818	008989		
PX240TBS	818	008990	011124	
	620	008991		
PX280TBS	622	008992	011457	
	624	008993		

Coupling Size	TBS Flange Assy Rough Bore
PX60TBS	010510
PX70TBS	010511
PX80TBS	010512
PX90TBS	010513
PX100TBS	010514
PX110TBS	010515
PX120TBS	010516
PX140TBS	010524
PX160TBS	010531
PX200TBS	010532
PX240TBS	010525
PX280TBS	010526

Complete coupling consists of:

(1) TS Flange Assembly,

(1) BS Flange Assembly, and

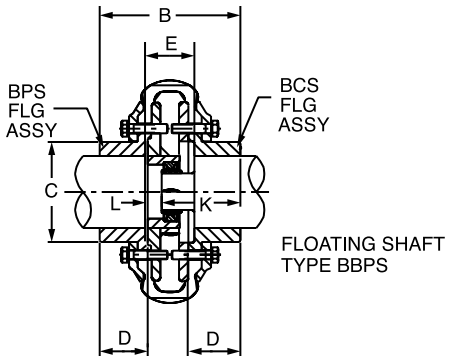
(1) Element

*** Key furnished for shallow keyways.**

+ Part numbers are finished bore flanges to fit mill motor sizes listed.

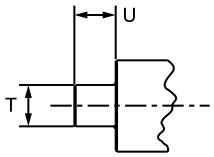
SELECTION/DIMENSIONS

Floating Shaft, Type BBPS



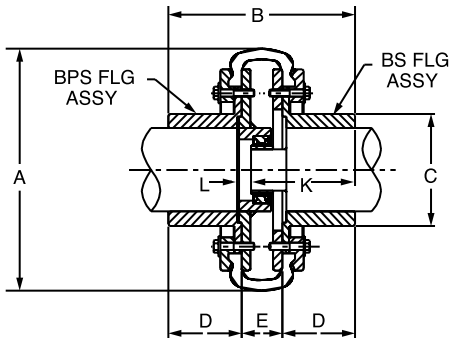
FLOATING SHAFT TYPE BBPS

PX60 -120 BBPS



FLOATING SHAFT DETAIL

FLOATING SHAFT TYPE BBPS



PX140-320 BBPS

Size	Min. Bore	Max. Bore	HP/100	Torque (In-Lbs)	Max RPM	A	B	C	D	E	K	L	T	U	Weight (Lbs)	Inertia (Lb-Ft²)
PX60BBPS	none	1-1/2	2.86	1,800	4000	6.50	4.28	2.38	1.50	1.78	2.45	0.58	.624/.6225	1.28	9.8	0.21
PX70BBPS	none	2-1/8	3.49	2,200	3600	7.38	5.00	2.94	1.75	2.06	3.05	0.48	.999/.9975	1.58	14.6	0.32
PX80BBPS	none	2-9/16	5.72	3,605	3100	8.38	5.50	3.69	2.00	2.00	3.30	0.45	.999/.9975	1.58	26.9	0.79
PX90BBPS	none	2-3/4	7.15	4,502	2800	9.25	6.03	4.13	2.25	2.09	3.67	0.39	1.249/1.2475	1.70	29.0	1.4
PX100BBPS	none	3-1/4	5.85	5,402	2600	10.00	6.97	4.94	2.63	2.16	4.13	0.44	1.249/1.2475	1.72	40.1	2.5
PX110BBPS	none	3-15/16	12.30	7,750	2300	11.00	7.56	5.44	3.00	2.06	4.44	0.38	1.249/1.2475	1.69	51.0	4.2
PX120BBPS	none	4	20	12,605	2100	12.38	8.25	5.81	3.25	2.44	4.89	0.45	1.499/1.497	1.98	75.7	7.0
PX140BBPS	2-1/4	4-1/2	44	27,590	1840	14.13	9.19	7.00	3.88	2.44	5.69	0.44	1.499/1.497	2.00	140.2	16.4
PX160BBPS	2-1/2	6	60	37,800	1560	16.63	12.94	8.50	5.13	3.06	7.25	0.75	1.499/1.497	2.94	230.8	39.6
PX200BBPS	2-7/8	6-3/4	131	82,500	1300	20.00	15.56	9.38	6.13	3.69	8.78	0.84	1.999/1.997	2.84	364.5	76.9
PX240BBPS	4	7-1/2	240	151,200	1080	24.13	14.16	10.00	5.13	4.28	8.06	1.16	1.999/1.997	3.12	529.0	188.1
PX280BBPS	4-7/16	9	480	302,200	910	28.50	18.47	12.00	7.13	4.59	10.22	1.31	1.999/1.997	3.28	877.0	440.8
PX320BBPS	5-1/2	11	719	453,000	810	32.50	20.75	14.00	8.13	4.88	11.38	1.44	1.999/1.997	3.44	1181.0	709.6

PX60BBPS - PX320BBPS Part Numbers

Coupling Size	BCS Flange Assembly	BPS Flange Assembly	Standard Element
PX60BBPS	**010658**	**010657**	**011106**
PX70BBPS	**010660**	**010659**	**011107**
PX80BBPS	**010189**	**010190**	**011108**
PX90BBPS	**010191**	**010192**	**011109**
PX100BBPS	**010193**	**010194**	**011110**
PX110BBPS	**010599**	**010598**	**011111**
PX120BBPS	**010195**	**010196**	**011112**

Coupling Size	BS Flange Assembly	BPS Flange Assembly	Standard Element
PX140BBPS	**010530**	**011714**	**011114**
PX160BBPS	**010531**	**011715**	**011117**
PX200BBPS	**010532**	**011716**	**011120**
PX240BBPS	**010533**	**011717**	**011124**
PX280BBPS	**010528**	**011718**	**011457**
PX320BBPS	**010529**	**011719**	**011463**

Complete coupling consists of:
(1) BCS or BS Flange Assembly (depending on size of coupling),
(1) BPS Flange Assembly, and
(1) Element.

BCS Flange Assembly consists of:
1. External Clamp Ring
2. Internal Clamp Ring
3. BCS Flange

BPS Flange Assembly consists of:
1. External Clamp Ring
2. Piloted Internal Clamp Ring
   a. Includes floating shaft bearing assembly
3. BS Flange

PARA-FLEX High Speed and Flywheel Couplings

HIGH SPEED TYPE

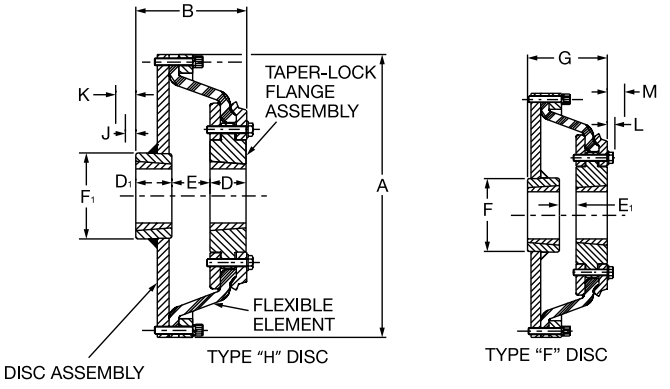
- Compensates for misalignment
- Cushions thrust loads
- Absorbs vibration and shock
- Prolongs bearing life
- Available in TAPER-LOCK and bored to sizes

FLYWHEEL TYPE

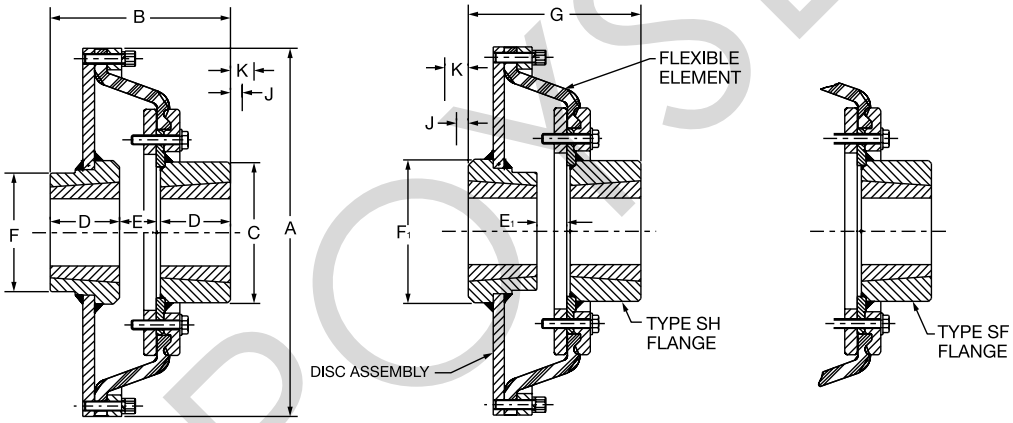
- Specifically designed to connect the flexible element to standard SAE flywheel bolt patterns
- Available in TAPER-LOCK and bored to configurations

SELECTION/DIMENSIONS

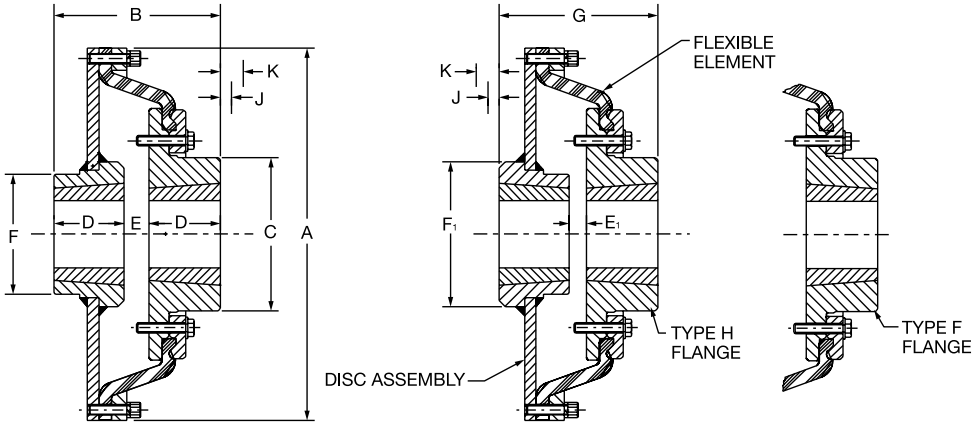
High Speed, TAPER-LOCK



PH87 THRU PH131



PH172 thru PH252 STEEL FLANGE ASSEMBLY



PH172 & PH192 IRON FLANGE ASSEMBLY

SELECTION/DIMENSIONS

High Speed, TAPER-LOCK

Coupling Size	Bushing Size	Min. Bore	Max. Bore	HP/100	Torque (In-Lbs)	Max. RPM		Weight (Lbs)		Inertia (Lb-Ft²)	
						Gray Iron Flange	Steel Flange	Iron Flg	Steel Flg	Iron Flg	Steel Flg
PH87	+	1/2	+	3.0	1890	6000	.....	19.5	.....	1.32	.....
PH96	*	1/2	*	4.5	2835	5230	.....	27.2	.....	2.44	.....
PH116	2517	1/2	2-11/16	7.1	4470	4050	.....	40.8	.....	4.92	.....
PH131	2517	1/2	2-11/16	9.5	5985	3750	.....	59.7	.....	8.87	.....
PH172	3535	1-3/16	3-15/16	23.0	14490	1860	2800	138.2	128.5	31.74	29.98
PH192	4040	1-7/16	4-7/16	47.0	29610	1620	2430	219.6	219.6	51.09	50.37
PH213	4545	1-15/16	4-15/16	90.0	56700	.....	2130	.....	291.2	102.3	90.22
PH252	5050	2-7/16	5-5/16	135.0	85050	.....	1945	.....	389.9	144.1	133.7

Coupling Size	A	B		C		D	D¹	E	
		Iron Flg	Steel Flg	Iron Flg	Steel Flg			Iron Flg	Steel Flg
PH87	9.44	3.53	.....	.....	.....	1.00	1.75	0.81	.....
PH96	10.31	4.30	.....	.....	.....	1.25	1.75	1.33	.....
PH116	12.31	4.44	.....	.....	.....	1.75	1.75	1.14	.....
PH131	13.81	5.45	.....	.....	.....	1.75	1.75	1.95	.....
PH172	18.31	8.06	8.97	7.50	7.00	3.50	.....	1.06	1.88
PH192	20.31	9.31	10.25	8.63	8.50	4.00	.....	1.31	2.25
PH213	22.50	.....	11.31	.....	8.75	4.50	.....	.....	2.31
PH252	26.50	.....	14.31	.....	9.50	5.00	.....	.....	4.31

Coupling Size	E¹		F	F1	G		J★	K†	L★	M†
	Iron Flg	Steel Flg			Iron Flg	Steel Flg				
PH87	0.50	.....	4.12	4.19	3.28	.....	1.00	1.63	0.81	1.06
PH96	0.45	.....	4.12	4.19	3.42	.....	1.00	1.63	0.94	1.38
PH116	0.33	.....	4.12	4.19	3.63	.....	1.00	1.63	1.00	1.63
PH131	0.77	.....	4.12	4.19	4.27	.....	1.00	1.63	1.00	1.63
PH172	0.63	1.44	6.25	7.12	7.62	8.53	1.31	2.69	.....	.....
PH192	0.38	1.31	7.75	8.62	8.38	9.31	1.63	3.38	.....	.....
PH213	.....	1.44	8.75	9.75	.....	10.44	1.94	4.06	.....	.....
PH252	.....	2.94	9.50	10.88	.....	12.94	2.31	4.81	.....	.....

★ Space required to tighten bushing with shortened hex key or to loosen screws to permit removal of the hub by a puller

† Space required to loosen bushing with the shortened hex key using screws as hack screws - no puller required.

PH87 - PH252 Part Numbers

Coupling Size	TAPER-LOCK Flange						Disc Assembly	High Speed Element	Bushing Size
	Std Flange	Flange Size	Iron Flange		Steel Flange				
			Type H	Type F	Type SH	Type SF			
PH87	010603	PX70	.....	.....	.....	.....	011307	011227	+
PH96	010604	PX80					011308	011228	*
PH116	010606	PX100	.....	.....	.....	.....	011310	011230	2517
PH131	010607	PX110					011311	011231	2517
PH172	.....	PX140	011134	011154	010290	010294	011314	011234	3535
PH192		PX160	011137	011157	010291	010295	011316	011236	4040
PH213	.....	PX190	.....	.....	010292	010296	011319	011239	4545
PH252		PX220			010293	010297	011322	011242	5050

\+ Flange assembly uses a 1610 bushing with 1-11/16 max. bore
Disc assembly uses a 2517 bushing with 2-11/16 max. bore

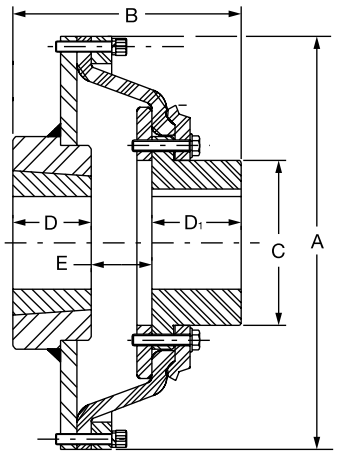
* Flange assembly uses a 2012 bushing with 2-1/8 max. bore
Disc assembly uses a 2517 bushing with 2-11/16 max. bore

Complete coupling consists of:
(1) TAPER-LOCK Flange Assembly, (1) TAPER-LOCK Disc Assembly, & (1) High speed Element.
TAPER-LOCK bushings must be ordered separately. Refer to bushing section PT6-16.

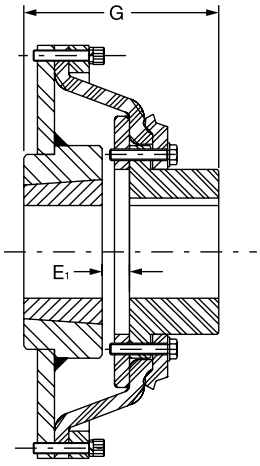
FEATURES/BENEFITS PAGE PT1-17	SELECTION/DIMENSION PAGE PT1-18	MODIFICATION/ACCESSORIES PAGE PT1-79	ENGINEERING/TECHNICAL PAGE PT1-81

SELECTION/DIMENSIONS

High Speed, Bored to Size

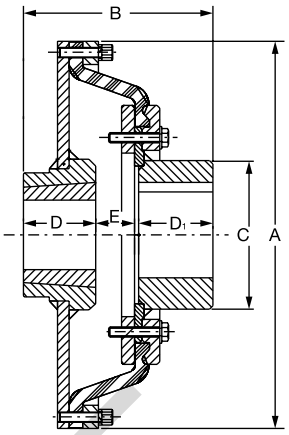


TYPE "H" DISC

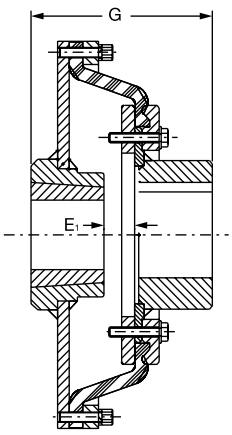


TYPE "F" DISC

SIZE PH87 - 131



TYPE "F" DISC



TYPE "H" DISC

SIZE PH172 - 252

Coupling Size	BS Flange Assembly		TAPER-LOCK Disc Assembly		A	B	C	D	D1	E	E1	G	Weight (Lbs)	Inertia (Lb-Ft²)
	Min Bore	Max Bore	Min Bore	Max Bore										
PH87B	none	2-1/8	1/2	2-11/16	9.44	4.59	2.94	1.75	1.75	1.09	0.81	4.31	20.1	1.33
PH96B	none	2-9/16	1/2	2-11/16	10.31	5.44	3.69	1.75	2.00	1.69	0.81	4.56	28.0	2.47
PH116B	none	3-1/4	1/2	2-11/16	12.31	6.13	4.94	1.75	2.63	1.75	0.97	5.31	42.8	5.31
PH131B	none	3-15/16	1/2	2-11/16	13.81	7.25	5.44	1.75	3.00	2.50	1.31	6.06	60.1	9.08
PH172B	2-1/4	4-1/2	1-3/16	3-15/16	18.31	9.06	7.00	3.50	3.88	1.88	1.44	8.63	135.2	30.98
PH192B	2-1/2	6	1-7/16	4-7/16	20.31	11.19	8.50	4.00	5.13	2.25	1.31	10.25	220.6	54.27
PH213B	2-1/2	6-1/4	1-15/16	4-15/16	22.50	11.31	8.75	4.50	4.69	2.31	1.44	10.44	289.2	91.62
PH252B	2-7/8	6-7/8	2-7/16	5-5/16	26.50	14.31	9.50	5.00	5.19	4.31	2.94	12.94	379.9	135.9

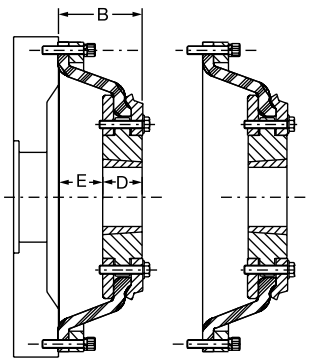
Coupling Size	BS Flange Assembly	TAPER-LOCK Disc Assembly	TAPER-LOCK Bushing Size	High Speed Element
PH87B	**010301**	**011307**	2517	**011227**
PH96B	**010302**	**011308**	2517	**011228**
PH116B	**010304**	**011310**	2517	**011230**
PH131B	**010305**	**011311**	2517	**011231**
PH172B	**010530**	**011314**	3535	**011234**
PH192B	**010531**	**011316**	4040	**011236**
PH213B	**010508**	**011319**	4545	**011239**
PH252B	**010509**	**011322**	5050	**011242**

Complete coupling consists of: (1) BS Flange Assembly, (1) TAPER-LOCK Disc Assembly, (1) High Speed Element, and (1) TAPER-LOCK Bushing. TAPER-LOCK bushings must be ordered separately. Refer to bushing section PT6-16.

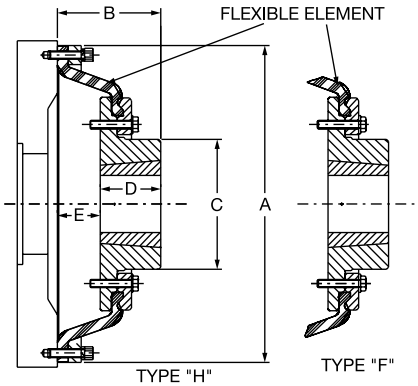
Unless otherwise specified, Size 60-120 BS flanges are clearance fit per AGMA 9002. Size 140-320 BS flanges are interference fit per AGMA 9002.
See page __ for additional details.

SELECTION/DIMENSIONS

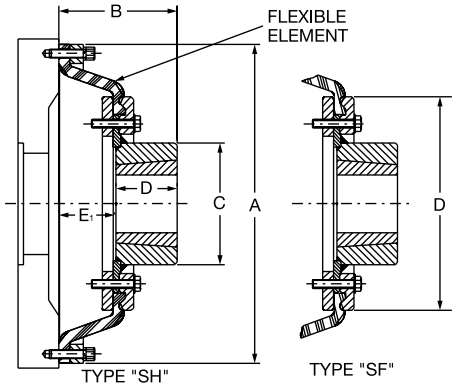
Flywheel, TAPER-LOCK



SIZES PF87-PF131



IRON FLANGE AND CLAMP RING — SIZES PF172-PF192



STEEL FLANGE AND CLAMP RING — SIZES PF172-PF252

Coupling Size	Bushing Size	Min. Bore	Max. Bore	HP/100	Torque (In-Lbs)	Max. RPM		A	B	
						Gray Iron Flange	Steel Flange		Iron Flg.	Steel Flg.
PF87	1610	1/2	1-11/16	3.00	1890	6000	6000	9.44	2.69	.....
PF96	2012	1/2	2-1/8	4.50	2835	5230	5230	10.31	2.83	.....
PF116	2517	1/2	2-11/16	7.10	4470	4050	4050	12.31	3.14	.....
PF131	2517	1/2	2-11/16	9.50	5985	3750	3750	13.81	3.70	.....
PF172	3535	1-3/16	3-15/16	23.00	14490	1860	2800	18.31	5.81	6.72
PF192	4040	1-7/16	4-7/16	47.00	29610	1620	2430	20.31	6.56	7.50
PF213	4545	1-15/16	4-15/16	90.00	56700	.....	2130	22.50	.....	9.00
PF252	5050	2-7/16	5-5/16	135.00	85050	.....	1945	26.50	.....	10.81

Coupling Size	Bushing Size	C		D	E	E1	Weight (Lbs) Less Bushing		Inertia (Lb-Ft²)	
		Iron Flg.	Steel Flg.				Iron Flgs	Steel Flgs	Iron Flgs	Steel Flgs
PF87	1610	.....	.....	1.00	1.34	....	9.9	.....	0.6	.....
PF96	2012	.....	.....	1.25	1.58	....	13.5	.....	1.05	.....
PF116	2517	.....	.....	1.75	1.39	....	22.3	.....	2.35	.....
PF131	2517	.....	.....	1.75	1.95	....	33.3	.....	4.35	.....
PF172	3535	7.50	7.00	3.50	2.31	3.12	87.2	77.5	17.49	15.73
PF192	4040	8.63	8.50	4.00	2.56	3.50	128.6	128.6	28.84	28.12
PF213	4545	.....	8.75	4.50	-	4.50	221.2	190.2	74.47	64.36
PF252	5050	.....	9.50	5.00	-	5.81	297.9	260.9	121.79	111.38

PF87 THRU PF252 Part Numbers

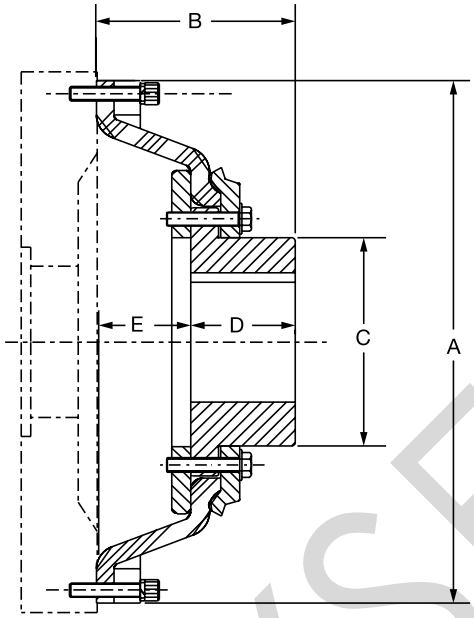
Coupling Size	TAPER-LOCK Flange					Bolt Ring Assembly	High Speed Element	T-L Bushing Size
	Std Flange	Iron Flange		Steel Flange				
		Type H	Type F	Type SH	Type SF			
PF87	**010603**	**.....**	**.....**	**.....**	**.....**	**011247**	**011227**	1610
PF96	**010604**	**.....**	**.....**	**.....**	**.....**	**011248**	**011228**	2012
PF116	**010606**	**.....**	**.....**	**.....**	**.....**	**011250**	**011230**	2517
PF131	**010607**	**.....**	**.....**	**.....**	**.....**	**011251**	**011231**	2517
PF172	**.....**	**011134**	**011154**	**010290**	**010294**	**011254**	**011234**	3535
PF192	**.....**	**011137**	**011157**	**010291**	**010295**	**011256**	**011236**	4040
PF213	**.....**	**.....**	**.....**	**010292**	**010296**	**011259**	**011239**	4545
PF252	**.....**	**.....**	**.....**	**010293**	**010297**	**011262**	**011242**	5050

Complete coupling consists of: (1) TAPER-LOCK Flange Assembly (as selected), (1) Bolt Ring Assembly, (1) High Speed Element, and (1) TAPER-LOCK Bushing. TAPER-LOCK Bushings must be ordered separately.

See page PT1-34 for Flywheel & Power Take Off housing information. Refer to bushing section PT6-16.

SELECTION/DIMENSIONS

Flywheel, Bored to Size



PF87B THRU PF252B Bored-To-Size Flywheel Couplings

Coupling Size	Min. Bore	Max. Bore	HP/100	Torque (In-Lbs)	Max. RPM Steel Flg	A	B	C	D	E	Weight (Lbs)	Inertia (Lb-Ft²)
PF87B	none	2-1/8	3.0	1890	6000	9.44	3.38	2.94	1.75	1.63	10.5	0.61
PF96B	none	2-9/16	4.5	2835	5230	10.31	3.94	3.69	2.00	1.94	14.3	1.08
PF116B	none	3-1/4	7.1	4470	4050	12.31	4.68	4.94	2.63	2.00	24.3	2.47
PF131B	none	3-15/16	9.5	5980	3750	13.81	5.50	5.44	3.00	2.50	33.7	4.56
PF172B	2-1/4	4-1/2	23.0	14490	2800	18.31	6.81	7.00	3.88	3.13	84.2	16.73
PF192B	2-1/2	6	47.0	29610	2430	20.31	8.44	8.50	5.13	3.50	129.6	32.02
PF213B	2-1/2	6-1/4	90.0	56700	2130	22.50	9.00	8.75	4.69	4.50	188.2	65.76
PF252B	2-7/8	6-7/8	135.0	85050	1945	26.50	10.81	9.50	5.19	5.81	250.9	113.58

PF87 - PF252B Part Numbers

Coupling Size	BS Flange Assembly	Bolt Ring Assembly	High Speed Element
PF87B	**010301**	**011247**	**011227**
PF96B	**010302**	**011248**	**011228**
PF116B	**010304**	**011250**	**011230**
PF131B	**010305**	**011251**	**011231**
PF172B	**010530**	**011254**	**011234**
PF192B	**010531**	**011256**	**011236**
PF213B	**010508**	**011259**	**011239**
PF252B	**010509**	**011262**	**011242**

Complete coupling consists of: (1) BS Flange Assembly, (1) Bolt Ring Assembly, and (1) High Speed Element.

Unless otherwise specified, Size 60-120 BS flanges are clearance fit per AGMA 9002. Size 140-320 BS flanges are interference fit per AGMA 9002.

See page __ for additional details.

SAE Power Take Off & Flywheel Info.

Coupling Size	Fits Within These SAE Power Take-Off Housings	SAE Flywheel		
		Bolt Circle Diam.	Tapped Holes	
			No.	Size
PF87	6,5	8-3/4	8	5/16-18
PF96	4,3	9-5/8	6	3/8-16
PF116	4,3,2,1	11-5/8	8	3/8-16
PF131	3,2,1,0	13-1/8	8	3/8-16
PF172	0	17-1/4	8	1/2-13
PF192	0	19-1/4	8	1/2-13
PF213	0	21-3/8	6	5/8-11
PF252	0	25-1/4	12	5/8-11

FEATURES/BENEFITS

D-FLEX Couplings

FLEXIBLE SOLUTIONS LOW COST TYPE J COUPLINGS OFFERED IN FOUR SIZES

- Features zinc die-cast flanges that are bored to size
- Accommodates applications through 10 HP at 1750 RPM
- Available with EPDM or Neoprene sleeves
- Shaft attachment with two setscrews at 65º

TYPE S COUPLINGS FEATURE AGMA 9 BALANCED FLANGES OFF THE SHELF

- High-strength, cast iron flanges that are finished bored for AGMA clearance fit
- Ionized powder coated flanges for superior corrosion protection
- Available with EPDM, Neoprene or Hytel★ sleeves
- Shaft attachment with two setscrews at 65º

TYPE B COUPLINGS OFFERED WITH STANDARD QD† BUSHING SHAFT ATTACHMENT

- Constructed from high-strength cast iron
- Available with EPDM or Neoprene sleeves

TYPE SC SPACER COUPLINGS SATISFY STANDARD SPACING REQUIREMENTS FOR PUMP APPLICATIONS

- Accommodates ANSI and ISO standard between shaft end dimensions, with custom spacer dimensions available on demand
- Features AGMA 9 balanced flanges & drop-out center for easy equipment maintenance
- Available with EPDM, Neoprene or Hytrel sleeves
- Uses H & HS shaft hubs that are bored to size for slip fit or offered with plain bore for reboring
- Shaft attachment with two setscrews at 65º
- Shaft hub flats are used for holding shafts stationary while loosening or tightening grade 8 bolts

★ Registered trademark of DuPont

† QD is a registered trademark of Emerson Electric Co.

FEATURES/BENEFITS

D-FLEX Couplings

ADDED VALUE

ATEX Approved

- All documents and markings included with standard product

INTERCHANGEABLE COMPONENTS MAKES INSTALLATION QUICK AND EASY

- Interchangeable with other elastomeric sleeve couplings
- Slides into position for snug fit

NO LUBRICATION ASSURES TROUBLE-FREE OPERATION

- No metal-to-metal contact
- Provides clean, quiet, trouble-free performance

NOTE: All instruction manuals for D-FLEX Coupling and QD and TL Bushings available on www.baldor.com

DODGE®

D-FLEX

SPECIFICATION

D-FLEX Couplings employ a molded, non-lubricated elastomeric flexing sleeve loaded in shear. The flexible sleeve shall be of EPDM, Neoprene, or Hytrel. The compound of EPDM shall be suitable for operation in ambient temperature from -30°F to +275°F, Neoprene 0°F to +200°F, and Hytrel -65°F to +250°F. Both EPDM and Neoprene sleeves shall have torsional flexing capability of 15° and accommodate 1° of angular misalignment. Hytrel sleeves, suitable to transmit four times the power of EPDM or Neoprene, has torsional flexing capability of 7° and 1/4° of angular misalignment.

The flexible sleeve is connected with external and internal gear teeth that engage with mating teeth in each flange. The coupling assemblies have optional methods of attachment to the shaft including but not limited to: clearance fit or QD Bushings. Clearance fits are supplied with an industry standard keyway and two set screws, one over the key and one at 65°.

Spacer Couplings consist of two hubs and a center assembly consisting of two spacer spacer flanges and one flexible element. The center assembly is easily removable removable to facilitate maintenance on pumps or other connected equipment and must be replaceable without disturbing the coupled equipment and without realignment.

D-Flex couplings utilizing EPDM and Neoprene elements are static conductive.

HOW TO ORDER

Standard couplings consist of:
- (2) Flange Assemblies
- (1) Flexible Sleeve

Spacer Couplings consist of:
- (2) Shaft Hubs
- (2) Spacer Flanges
- (1) Flexible Sleeve

NOMENCLATURE

6 JE / 2 - 6J X 7/8

SIZE

SLEEVE

(JE, JES, E, JN, JNS, N, H, HS)

FLANGE QTY.

FLANGE SIZE AND TYPE

(J, S, B, SC-H)

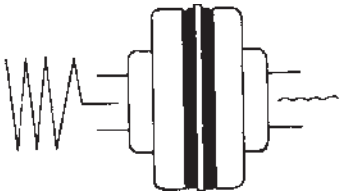
FLANGE BORE

For selection method, please refer to page PT1-83

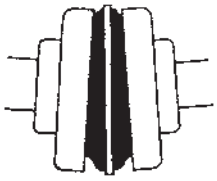
SELECTION/DIMENSIONS

D-FLEX Couplings

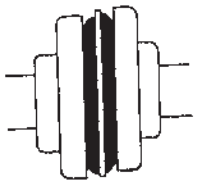
FOUR-WAY FLEXING ACTION HANDLES SHOCK, VIBRATION & MISALIGNMENT



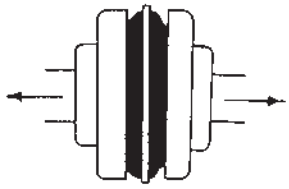
TORSIONAL
Absorbs torsional shock, dampens torsional vibrations



ANGULAR
Allows for angular misalignment



PARALLEL
Minimizes bearing loads, absorbs parallel misalignment with less wear and energy loss



AXIAL
Allows for shaft end-float

D-FLEX Coupling Sleeves

	EPDM Rubber	Neoprene	Hytrel(1)
One-Piece Solid Construction	JE	JN	H
One-Piece Split Construction	JES	JNS	-
Two-Piece Construction	E	N	HS
Sizes Offered	3 - 10 JE, JES 4 - 16 E	3 - 10 JN, JNS 4 - 14 N	6 - 12 H, HS
Temperature Range	-30°F to +275°F	0°F to +200°F	-65°F to +250°F
Max Angular	1°	1°	1/4°
Max Parallel(2)	.010" - .062"	.010" -.062"	.010" -.035"
Axial End-Float(2)(3)	.03" -.125"	.03" -.125"	.06" -.125"
Torsional Flexibility	15° Wind Up	15° Wind Up	7° Wind Up
Application Use	General	Good Oil Resistance	Downsizing For Use Of Smaller Couplings

(1) Do not use with J or B flanges or as a replacement for other sleeves

(2) Depends on coupling size.

(3) Increase the E dimension by this amount to accommodate end float.

D-FLEX Couplings

D-FLEX Coupling Sleeves - Part Numbers

Coupling Size	EPDM			Neoprene			Hytrel	
	JE	JES	E	JN	JNS	N	H	HS
3	004208	004242		004209	004243			
4	004210	004244	022190	004211	004245	022211		
5	004212	004246	022191	004213	004247	022212		
6	004214	004248	022192	004215	004249	022213	022183	022232
7	004216	004250	022193	004217	004251	022214	022184	022233
8	004218	004252	022194	004219	004253	022215	022185	022234
9	004220	004254	022195			022216	022186	022235
10	004222	004256	022196			022217	022187	022236
11			022197			022218	022188	022237
12			022198			022219	022189	022238
13			021990			021993		022239
14			021991			021994		425730
16			021992					

D-FLEX Flange/Sleeve Compatibility

Flange Style	EPDM		Neoprene		Hytrel	
	JE/JES 1 Piece	E 2 Piece	JN/JNS 1 Piece	N 2 Piece	H 1 Piece	HS 2 Piece
Type J	√	√	√	√		
Type S	√	√	√	√	√	√
Type B Bushed	√	√	√	√		
SC Spacer	√	√	√	√	√	√

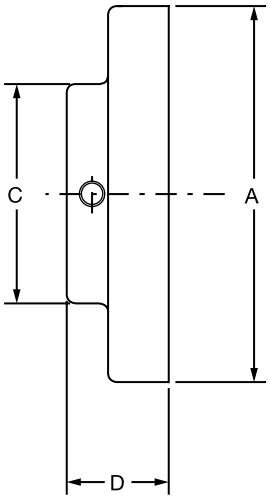
D-FLEX Section/Ratings Data

Element Size	Max. Bore				Max RPM	EPDM & Neoprene		Hytrel	
	Straight Bore			Bushed		HP/100	Rated Torque (In-Lbs)	HP/100	Rated Torque (In-Lbs)
	Type J	Type S	Type SC	Type B					
3	7/8	-	-	-	9200	0.10	60	-	-
4	1	-	-	-	7600	0.19	120	-	-
5	1-1/8	1-1/4	1-1/8	-	7600	0.38	240	-	-
6	1-3/8	1-7/8	1-3/8	1-3/16	6000	0.71	450	2.90	1,800
7	-	1-7/8	1-5/8	1-3/16	5250	1.20	725	4.60	2,875
8	-	2-3/8	1-7/8	1-5/8	4500	1.80	1,135	7.20	4,530
9	-	2-7/8	2-1/8	1-15/16	3750	2.80	1,800	11.40	7,200
10	-	3-3/8	2-3/8	2-1/2	3600	4.60	2,875	18.00	11,350
11	-	3-7/8	2-7/8	2-13/16	3600	7.20	4,530	28.60	18,000
12	-	3-15/16	2-7/8	3-1/2	2800	11.40	7,200	50.00	31,500
13	-	4-1/2	3-3/8	3-15/16	2400	18.00	11,350	75.00	47,268
14	-	5	3-7/8	3-15/16	2200	28.60	18,000	115.00	72,480
16	-	6	-	4-1/2	1500	75.00	47,250	-	-

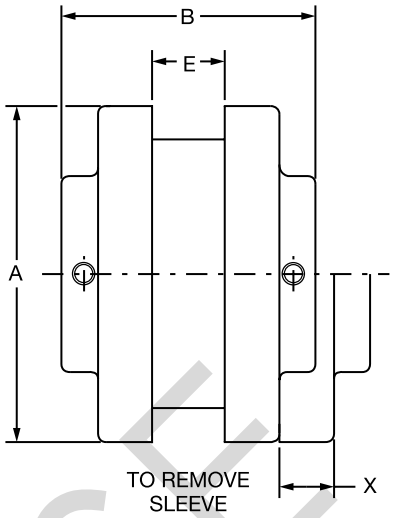
SELECTION/DIMENSIONS

D-FLEX Couplings

TYPE "J" COUPLING DIMENSIONS



TYPE "J" FLANGE



TYPE "J" COUPLING

Dimensions

Coupling Size	Min. Bore	Max. Bore	HP/100	EPDM/ Neoprene Torque (in.-lbs.)	Max. RPM	A	B	C	D	E	X	Weight (lbs.)	Inertia (lbs ft²)
3J	3/8	7/8	0.10	60	9200	2.06	2.00	1.50	0.81	0.38	0.56	0.03	
4J	1/2	1	0.19	120	7600	2.46	2.38	1.63	0.88	0.63	0.75	0.04	
5J	1/2	1-1/8	0.38	240	7600	3.25	2.88	1.88	1.06	0.75	0.97	0.09	
6J	5/8	1-3/8	0.71	450	6000	4.00	3.31	2.50	1.22	0.88	1.09	1.20	

6J Minimum bore - 5/8"

Part Numbers

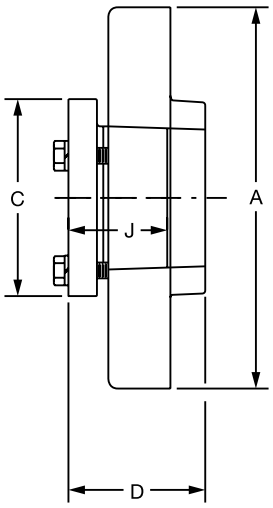
Bore (in.)	Coupling Flange			
	3J	4J	5J	6J
3/8	022700			
1/2	022701	022708	022714	
5/8	022702	022709	022715	022721
3/4	022703	022710	022716	022722
7/8	022704	022711	022717	022723
15/16		022712	022718	022724
1		022713	022719	022725
1-1/8			022720	022726
1-3/16				022727
1-1/4				022728
1-3/8				022729

Unless otherwise specified, all Type-J flanges are clearance fit per AGMA 9002.
See page 101 for additional details.

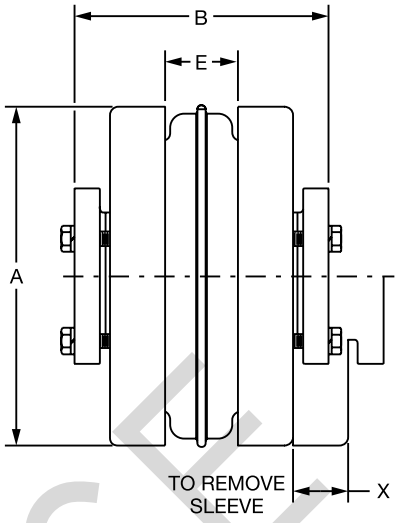
Complete coupling consists of (2) J flanges, and (1) sleeve (from page PT1-39).

D-FLEX Couplings

TYPE "B" QD BUSHED COUPLING DIMENSIONS



TYPE "B" FLANGE



TYPE "B" COUPLING

Dimensions

Coupling Size	Bushing Type	Min. Bore	Max. Bore#	HP/100	EPDM/ Neoprene Torque (in.-lbs.)	Max. RPM	A	B	C	D	E	J	X	Weight (lbs.)+		Inertia (lbs ft²)
														Flange	Bushing	
6B	JA	1/2	1-3/16	0.71	450	6000	4.00	3.31	2.00	1.53	0.88	1.00	1.09	1.30	0.40	
7B	JA	1/2	1-3/16	1.20	725	5250	4.63	3.44	2.00	1.59	1.00	1.00	1.31	1.90	0.40	
8B	SH	1/2	1-5/8	1.80	1135	4500	5.45	4.06	2.63	1.84	1.13	1.31	1.50	2.90	0.90	
9B	SD	1/2	1-15/16	2.80	1800	3750	6.35	4.63	3.19	2.19	1.44	1.81	1.75	4.80	1.60	
10B	SK	1/2	2-1/2	4.60	2875	3600	7.50	5.63	3.88	1.84	1.63	1.94	2.00	7.80	2.70	
11B	SF	1/2	2-15/16	7.20	4530	3600	8.63	6.56	4.63	2.13	1.88	2.00	2.38	12.00	3.80	
12B	E	7/8	3-1/2	11.40	7200	2800	10.00	7.94	6.00	2.69	2.31	2.75	2.69	18.00	9.00	
13B	F	1	3-15/16	18.00	11350	2400	11.75	9.31	6.63	3.69	2.69	3.75	3.00	31.20	14.00	
14B	F	1	3-15/16	28.60	18000	2200	13.88	10.44	6.63	3.69	3.25	3.75	3.50	51.40	14.00	
16B	J	1-1/2	4-1/2	75.00	47250	1500	18.88	13.25	7.25	4.75	4.75	4.63	4.50	120.00	21.00	

Max bore with shallow key

+ Approximate weight for each flange; average weight for each bushing

Part Numbers

	6B	7B	8B	9B	10B	11B	12B
Part No.	022501	022502	022503	022504	022505	022506	022507

	13B	14B	16B
Part No.	022508	022509	022510

Complete coupling consists of (2) B flanges, (1) sleeve and (2) QD Bushings. QD Bushings must be ordered separately (from page PT6-16).

PT Component Reference Guide
Couplings
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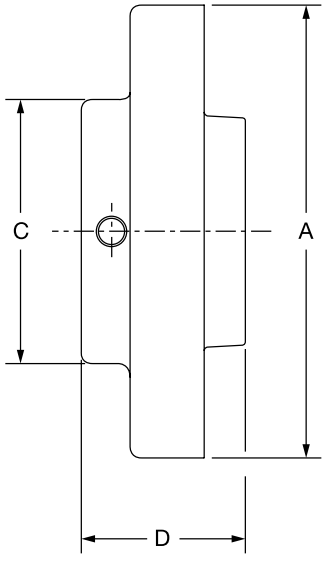
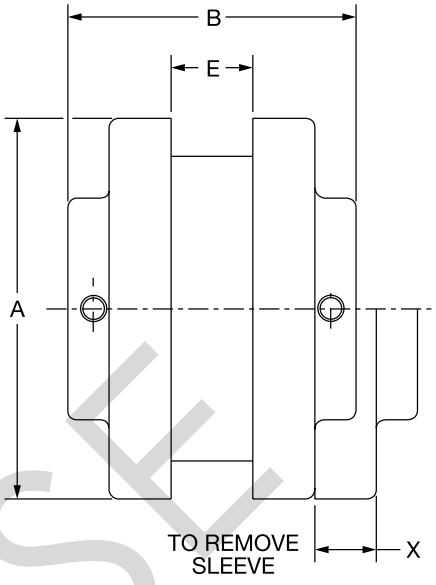
SELECTION/DIMENSIONS

D-FLEX Couplings

TYPE "S" COUPLING DIMENSIONS



TYPE "S" FLANGE



TYPE "S" COUPLING

Dimensions

Coupling Size	Min. Bore	Max. Bore#	HP/100*	Torque* (in.-lbs.)	Max. RPM	A	B	C	D	E	X	Weight (lbs.)
5S	1/2	1-1/4	0.38	240	7600	3.25	2.81	1.88	1.34	0.75	0.97	1.1
6S	1/2	1-1/2							1.63			1.9
6S	1-9/16	1-3/4	0.71	450	6000	4	3.5	2.81	1.31	0.88	1.09	1.8
6S	1-13/16	1-7/8							1.31			1.8
7S	1/2	1-7/8	1.2	725	5250	4.63	3.94	2.81	1.84	1	1.31	2.6
8S	1/2	2-1/8	1.8	1135	4500	5.45	4.44	3.25	2.09	1.13	1.5	4.4
8S	2-3/16	2-3/8							1.66			3.7
9S	7/8	2-1/2	2.8	1800	3750	6.35	5.06	4.13	2.41	1.44	1.75	6.5
9S	2-9/16	2-7/8							1.81			6.2
10S	1-1/8	2-7/8	4.6	2875	3600	7.5	5.69	4.75	2.72	1.63	2	10.5
10S	2-15/16	3-3/8							2.03			9.8
11S	1-1/4	2-1/8							3.44			18.1
11S	2-3/16	2-3/4	7.2	4530	3600	8.63	7.13	5.63	3.44	1.88	2.38	17.9
11S	2-13/16	3-3/8							3.44			16.6
11S	3-7/16	3-7/8							2.63			16.4
12S	1-1/2	2-1/8										27.8
12S	2-3/16	2-7/8	11.4	7200	2800	10	8.25	5.75	4	2.31	2.69	27.5
12S	2-15/16	3-15/16										26.6
13S	2" Reb.	4-1/2	18	11350	2400	11.75	9.25	6.75	4.38	2.69	3.06	45.2
14S	2" Reb.	5	28.6	18000	2200	13.88	9.88	7.5	4.5	3.25	3.5	69.1
16S	2" Reb.	6	75	47250	1500	18.88	14.25	8	6	4.75	4.25	125.3

Max bore with shallow keyway. For max bore with standard keyway, see page PT1-43

* Ratings based on EPDM & Neoprene. For Hytrel ratings, see page PT1-39

SELECTION/DIMENSIONS

D-FLEX Couplings

Type "S" Coupling Flange - Part Numbers

Bore (in.)	Coupling Flange Size										
	5S	6S	7S	8S	9S	10S	11S	12S	13S	14S	16S
Reborable	004976	004977	004978	004979	004980	004981	004982	004983	004993	004994	004995
Finished Bore Flanges											
1/2	004498										
5/8	004500	004511	004534								
3/4	004502	004513	004536	004559							
7/8	004504	004515	004538	004561	004586						
15/16	004505	004516	004539	004562	004587						
1	004506	004517	004540	004563	004588						
1-1/8	004508	004519	004542	004565	004590	004619					
1-3/16	* 004509	004520	004543	004566	004591	004620					
1-1/4	† 004510	004521	004544	004567	004592	004621	004656				
1-5/16		004522	004545	004568	004593	004622	004657				
1-3/8		004523	004546	004569	004594	004623	004658				
1-7/16		* 004524	004547	004570	004595	004624	004659				
1-1/2		† 004525	004548	004571	004596	004625	004660	004696			
1-5/8		004527	* 004550	004573	004598	004627	004662	004698			
1-11/16		004528	004551	004574	004599	004628	004663	004699			
1-3/4		004529	004552	004575	004600	004629	004664	004700			
1-7/8		004531	† 004554	004577	004602	004631	004666	004702			
1-15/16				004578	004603	004632	004667	004703			
2				004579	004604	004633	004668	004704			
2-1/8				† 004581	004606	004635	004670	004706			
2-3/16				004582	004607	004636	004671	004707			
2-1/4				004583	004608	004637	004672	004708			
2-3/8				004585	* 004610	004639	004674	004710	004996		
2-7/16					004611	004640	004675	004711			
2-1/2					† 004612	004641	004676	004712			
2-5/8					004614	004643	004678	004714			
2-11/16					004615	004644	004679	004715			
2-3/4					004616	* 004645	004680	004716			
2-7/8					004618	† 004647	004682	004718	004997	004998	
2-15/16						004648	004683	004719			
3						004649	004684	004720			
3-1/8						004651	004686	004722			
3-1/4						004653	004688	004724			
3-5/16						004654	004689	004725			
3-3/8						004655	*† 004690	004726			
3-7/16							004691	004727			
3-1/2							004692	004728			
3-5/8							004693	004730			
3-11/16								004731			
3-3/4							004694	004732			
3-7/8							004695	*† 004734			
3-15/16								004735			

Unless otherwise specific, all Type-S flanges are clearance fit per AGMA 9002.
See page 101 for additional details.

† Max bore for reborable flanges.

Complete coupling consists of (2) S flanges and (1) sleeve (from page PT1-39).

***Max bore with std. square keyway. Larger bores have rectangular keyways & keys supplied.**

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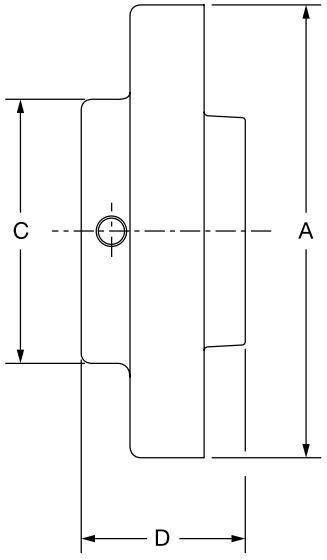
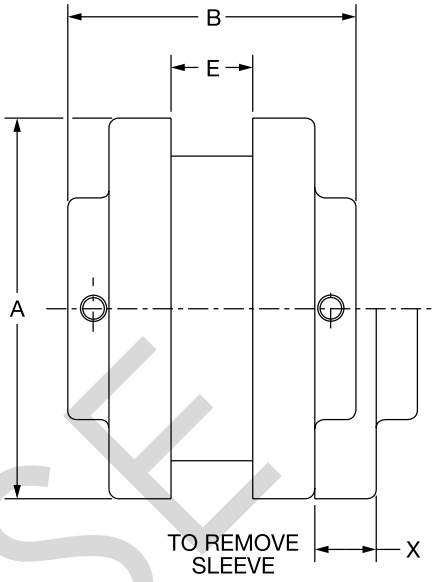
SELECTION/DIMENSIONS

D-FLEX Couplings

TYPE “S” COUPLING DIMENSIONS - METRIC



TYPE “S” FLANGE



TYPE “S” COUPLING

Dimensions

Coupling Size	Min. Bore (mm)	Max. Bore #	Watts/100*	Torque* (N-m)	Max. RPM	A (mm)	B (mm)	C (mm)	D (mm)	E (mm)	X (mm)	Mass (kg)
5S	12.7	30	283	27.1	7600	82.6	71.4	48	34	19	25	0.5
6S	12.7	38	530	51	6000	101.6	89	71	41	22	28	0.9
7S	12.7	42	895	82	5250	117.6	100	71	47	25	33	1.2
8S	12.7	50	1343	128	4500	138.4	113	83	53	29	38	2.0
9S	22.2	60	2089	203	3750	161.3	129	92	61	37	44	2.9
10S	28.0	70	3432	325	3600	190.5	145	111	69	41	51	4.8
11S	30.0	95	5371	512	3600	219.2	181	143	87	48	60	8.2
12S	38.0	100	8504	814	2800	254.0	210	146	102	59	68	12.6
13S	50.8	114	13428	1282	2400	298.5	235	171	111	68	78	20.5
14S	50.8	127	21336	2034	2200	352.6	251	191	114	83	89	31.3
16S	50.8	140	55950	5339	1500	479.6	362	203	152	121	108	56.8

Max bore with shallow keyway. For max bore with standard keyway, see page PT1-43

* Ratings based on EPDM & Neoprene. For Hytrel ratings, see page PT1-39

D-FLEX Couplings

Type “S” Coupling Flange - Part Numbers - Metric

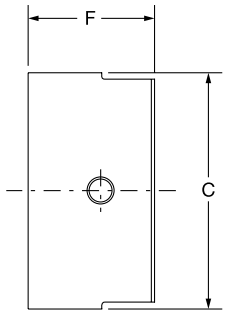
Bore (mm)	Coupling Flange Size							
	5S	6S	7S	8S	9S	10S	11S	12S
14mm	004856	004865	004878	004893	004911			
16mm	004857	004866	004879	004894	004912			
18mm	004858	004867	004880	004895	004913			
19mm	004859	004868	004881	004896	004914			
20mm	004860	004869	004882	004897	004915			
22mm	004861	004870	004883	004898	004916			
24mm	004862	004871	004884	004899	004917			
25mm	004863	004872	004885	004900	004918			
28mm	004864	004873	004886	004901	004919	004928		
30mm		004874	004887	004902	004920	004929	004942	
32mm		004875	004888	004903	004921	004930	004943	
35mm		004876	004889	004904	004922	004931	004944	
38mm			004890	004905	004923	004932	004945	004960
40mm			004891	004906	004924	004933	004946	004961
42mm			004892	004907	004925	004934	004947	004962
45mm				004908	004926	004935	004948	004963
48mm				004909	004927	004936	004949	004964
50mm				004910		004937	004950	004965
55mm						004938	004951	004966
60mm						004939	004952	004967
65mm						004940	004953	004968
70mm						004941	004954	004969
75mm							004955	004970
80mm							004956	004971
85mm							004957	004972
90mm							004958	004973
95mm							004959	004974
100mm								004975

Complete coupling consists of (2) S flanges and (1) sleeve (from page PT1-39).

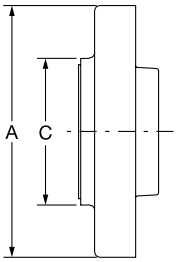
SELECTION/DIMENSIONS

D-FLEX Couplings

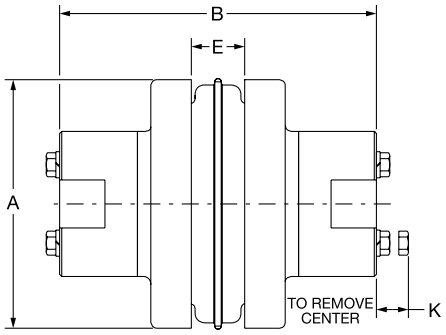
TYPE "SC" COUPLING DIMENSIONS



SHAFT HUB



SPACER FLANGE



COMPLETE SPACER COUPLING

Dimensions (1)

Cplg. Size	BSE	Flange Number	Shaft Hub H	Shaft Hub HS	Max. Bore (2) H	Max. Bore (2) HS	A	(3) B	C	E	F H	F HS	K	Wt. (4) (lbs.)
5SC	3.50	5SC35	5H	-	1-1/8	-	3.25	5.63	2.00	0.75	1.09	-	0.56	4.50
6SC	3.50	6SC35	6H	---	1-3/8	-	4.00	5.88	2.50	0.88	1.22	-	0.75	7.30
	4.38	6SC44	6H		1-3/8	-		6.75	2.50		1.22			8.10
	5.00	6SC50	6H		1-3/8	-		7.88	2.50		1.22			8.70
7SC	3.50	7SC35	7H	---	1-5/8	-	4.63	6.38	2.81	1.00	1.47	-	0.63	9.90
	4.38	7SC44	7H		1-5/8	-		7.25	2.81		1.47			10.80
	5.00	7SC50	7H		1-5/8	-		7.88	2.81		1.47			11.40
8SC	3.50	8SC35	8H	-	1-7/8	-	5.45	6.88	3.25	1.13	1.72		0.81	15.20
	3.50	8SC35-10	10H	10HS	2-3/8	1-5/8		9.13	4.38		2.34		0.81	23.20
	4.38	8SC44	8H	-	1-7/8	-		7.75	3.25		1.72	1.66	0.81	16.40
	5.00	8SC50	8H	-	1-7/8	-		8.38	3.25		1.72	1.33	1.19	17.40
	5.00	8SC50-10	10H	10HS	2-3/8	1-5/8		9.63	4.38		2.34		1.19	27.20
9SC	3.50	9SC35	9H	9HS	2-1/8	1-1/2	6.35	7.50	3.63	1.44	1.97	1.53	1.06	18.60
	4.38	9SC44	9H	9HS	2-1/8	1-1/2		8.25	3.63		1.97	1.53	1.06	22.20
	5.00	9SC50	9H	9HS	2-1/8	1-1/2		8.88	3.63		1.97	1.53	1.06	23.20
	5.00	9SC50-11	11H	11HS	2-7/8	1-7/8		10.38	5.25		2.72	1.91	1.19	40.40
	7.00	9SC70-11	11H	11HS	2-7/8	1-7/8		12.38	5.25		2.72	1.91	1.19	48.20
	7.75	9SC78-11	11H	11HS	2-7/8	1-7/8		13.13	5.25		2.72	1.91	1.19	51.00
10SC	4.75	10SC48	10H	10HS	2-3/8	1-5/8	7.50	9.38	4.38	1.63	2.34	1.66	1.19	37.60
	5.00	10SC50	10H	10HS	2-3/8	1-5/8		9.63	4.38		2.34	1.66	1.19	38.40
	7.00	10SC70-13	13H	13HS	3-3/8	2-1/2		13.63	6.13		3.34	2.47	1.88	72.00
	7.75	10SC78-13	13H	13HS	3-3/8	2-1/2		14.63	6.13		3.34	2.47	1.88	76.00
	10.00	10SC100-13	13H	13HS	3-3/8	2-1/2		16.63	6.13		3.34	2.47	1.88	88.00
11SC	4.75	11SC48	11H	11HS	2-7/8	1-7/8	8.63	10.31	5.25	1.88	2.72	1.91	1.19	54.50
	5.00	11SC50	11H	11HS	2-7/8	1-7/8		10.38	5.25		2.72		1.19	54.70
	7.00	11SC70-14	14H	-	3-7/8	-		14.38	6.50		3.84		2.00	86.10
	7.75	11SC78-14	14H	-	3-7/8	-		15.38	6.50		3.84		2.00	90.30
	10.00	11SC100-14	14H	-	3-7/8	-		17.63	6.50		3.84		2.00	102.70
12SC	7.00	12SC70	12H	12HS	2-7/8	2-1/2	10.00	12.88	5.75	2.31	2.97	2.53	1.50	88.10
	7.00	12SC70-14	14H	-	3-7/8	-		14.63	6.50		3.84		2.00	99.10
	7.75	12SC78	12H	12HS	2-7/8	2-1/2		13.63	5.75		2.97		1.50	91.90
	7.75	12SC78-14	14H	-	3-7/8	-		14.38	6.50		3.84		2.00	103.30
	10.00	12SC100-14	14H	-	3-7/8	-		17.63	6.50		3.84		2.00	115.70
13SC	7.75	13SC78	13H	13HS	3-3/8	2-1/2	11.75	14.38	6.13	2.69	3.34	2.47	1.88	129.60
14SC	7.75	14SC78	14H	-	3-7/8	-	13.88	15.38	6.50	3.25	3.84	-	2.00	179.90

(1) Ratings (HP/100, Torque, RPM) same as Type S. See page PT1-42.

(2) Check shaft hub table on next page for minimum Bore.

(3) B dimension included H hubs. Dimension will change if one or two HS (short hubs) are used.

(4) Complete coupling weight at MAX bore.

SELECTION/DIMENSIONS

D-FLEX Couplings

Type "SC" Couplings - Spacer Flange Part Numbers

BSE (in.)	Coupling Size						
	5SC	6SC	7SC	8SC	8SC-10	9SC	9SC-11
3.50	• 022000	• 022001	• 022004	• 022007	• 022775	• 022010	
4.38		• 022002	• 022005	• 022008		• 022011	
5.00		• 022003	• 022006	• 022009	• 022776	• 022012	• 022777
7.00							• 022778
7.75							• 022779

BSE (in.)	Coupling Size							
	10SC	10SC-13	11SC	11SC-14	12SC	12SC-14	13SC	14SC
4.75	• 022013		• 022015					
5.00	• 022014		• 022016					
7.00		022780		022783	• 022017	022786		
7.75		022781		022784	• 022018	022787	021997	021998
10.00		022782		022785		022788		

• Stock flanges

Spacer Shaft Hub Part Numbers

Bore (in.)	Coupling Size									
	5H	6H	7H	8H	9H	10H	11H	12H	13H	14H
Reborable Finished Bore Hubs	• 022220	• 022221	• 022222	• 022223	• 022224	• 022225	• 022226	• 022227	022228	
1/2	022329									
5/8	• 022331	022340	022353							
11/16	022332	022341	022354							
3/4	• 022333	• 022342	022355	022368						
7/8	• 022335	• 022344	• 022357	022370	022387					
15/16	022336	022345	022358	022371	022388					
1	• 022337	• 022346	• 022359	• 022372	022389					
1-1/8	• 022339	• 022348	• 022361	• 022374	022391	022409	0022452			
1-1/8 (1)					• 022392(1)	• 022410(1)	022453(1)			
1-3/16		022349	022362	022375	022393	022411	022454			
1-1/4		• 022350	022363	022376	022394	022412	022455			
1-5/16		022351	022364	022377	022395	022413	022456			
1-3/8		022352	• 022365	• 022378	• 022396	022414	022457			
1-7/16				022379	022397	022415	022458			
1-1/2			• 022366	• 022380	• 022398	022416	022459			
1-9/16				022381	022399	022417	022460			
1-5/8			• 022367	• 022382	• 022400	• 022418	022461			
1-5/8 (1)							022462(1)			
1-3/4				• 022384	• 022402	022420	022464			
1-7/8				• 022386	• 022404	• 022428	• 022466	022483		
1-15/16					022405	022429	022467	022484		
2					022406	022430	022468	022485		
2-1/8					• 022408	• 022432	• 022470	022487	022813(1)	
2-3/16						022433	022471	022488		
2-1/4						022434	022472	022489		
2-5/16						022435	022473	022490		
2-3/8						• 022436	• 022474	022491	022810	• 022815
2-3/8(1)								022492(1)	022814(1)	
2-7/16							022475	022493		
2-1/2							022476	022494		
2-5/8							022478	022496		
2-11/16							022479	022497		
2-3/4							022480	022498		
2-7/8							• 022482	022500	022811	022816
3-3/8									022812	022817
3-7/8										022818

• Stock hub assembles (1) HS (Short Hub) **Complete coupling consists of (2) shaft hubs, (2) spacer flanges, and (1) sleeve (from page PT1-39)**

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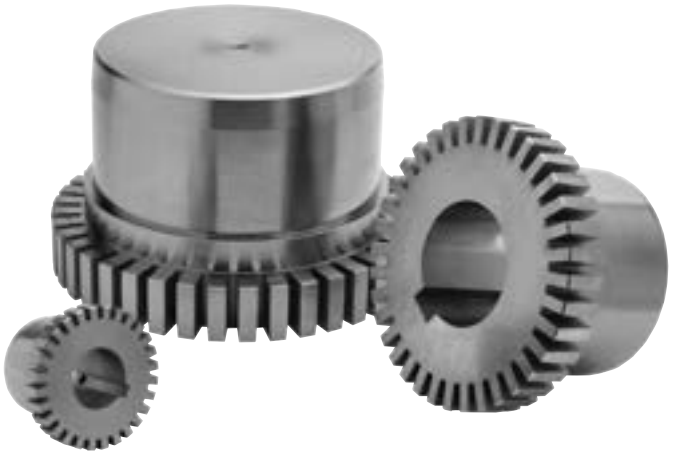
FEATURES/BENEFITS

GRID-LIGN



The basic GRID-LIGN coupling consists of two steel shaft hubs, a high strength spring steel tapered grid element, two seals and a cover assembly. Misalignment and end float are accommodated by the sliding action of the grid in the lubricated hub grooves.

Standard GRID-LIGN couplings operate reliably between -22° and +215°F. They can accept angular misalignment to 1/2°, parallel misalignment to.012”, and end float to .375”. Speed capability goes as high as 6000 RPM.

GRID-LIGN couplings can be mounted with TAPER-LOCK bushings on shafts from 1/2” to 3-15/16”. Straight bore hubs go up to 13” bore.

Flexible Tapered Element

- Isolates vibration, cushions shock loads
- Allows uniform contact during light, normal and shock loading conditions
- Lengthens machine life
- Constructed from tempered spring steel for long life

High Torque Capability

- Torque ranges from 464 to 1,650,000 in. lbs.
- Steel components allow for compact size

Interchangeability

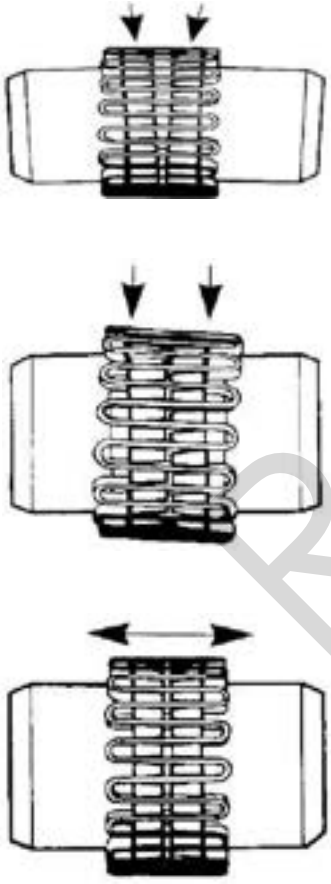
- Stock GRID-LIGN coupling configurations include the standard full-flex design in vertically or horizontally split covers, half spacers and full spacers
- Interchangeable with other tapered grid style couplings

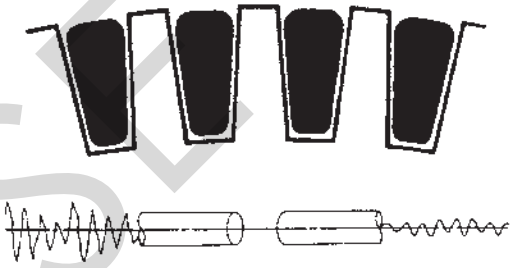
FEATURES/BENEFITS

GRID-LIGN

STYLE, SIZES AND RATINGS CHART

Coupling Styles	Number of Sizes	Maximum Ratings		
		Bore	Torque	Speed
T10 Standard Coupling H Cover	19	13.0"	1,650,000	6000
T20 Standard Coupling V Cover	10	5.0"	75,000	6000
T31 Full Spacer	8	4.25"	30,000	3600
T35 Half Spacer	8	4.25"	30,000	3600





TAPERED GRID DESIGN

- Tapered grid element, combined with the contoured hub grooves, transmit torque efficiency while accommodating misalignment and cushioning shock loads
- Grid element made from high strength steel that is quenched and tempered for long life

SPECIFICATION/HOW TO ORDER/NOMENCLATURE

GRID-LIGN

SPECIFICATION

GRID-LIGN Couplings are tapered grid style with hubs, grids and covers which are interchangeable with other industry standard tapered grid couplings. Grid hubs are machined steel, protected with an anti-rust coating. Hubs have optional methods of attachment to the shaft including but not limited to: clearance fit, interference fit or TAPER-LOCK bushings. Clearance fits and interference fits are supplied with an industry standard keyway. Clearance fits are supplied with two set screws, one over the key and one at 65°. The grid element is made of high strength spring steel, heat treated and shot peened to enhance strength and durability.

The coupling is designed and manufactured such that the grid member can be replaced without disturbing the connected equipment and without the requirement for realignment. All Grid-Lign Couplings are fitted with covers to retain lubrication and prevent the entry of abrasives and contaminants. Covers are of a two piece design to facilitate installation and are available as axial split or radial split. DODGE will provide recommendations for types and amounts of lubricant suitable for operation in ambient temperatures from -22°F to +215°F.

Spacer Couplings consist of two shaft hubs and a center assembly consisting of two spacer hubs, one grid and cover. The center assembly is readily removable to facilitate maintenance on pumps or other connected equipment. The center assembly must be replaceable without disturbing the coupled equipment and without realignment.

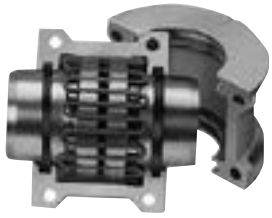
NOTE: Instruction manuals for all Dodge products available at www.baldor.com

GRID-LIGN

HOW TO ORDER

Standard couplings consist of:	Spacer couplings consists of:
(2) Shaft Hubs (1) Grid & Cover Assembly (T10 or T20)	T31 Spacer (2) "T" Shaft Hubs (2) Spacer Hubs (1) T10 Grid & Cover Assembly T35 Half Spacer (1)Shaft Hub (1) Spacer Hub (1) "T" Shaft Hub (1) T10 Grid & Cover Assembly

NOMENCLATURE



1020 **T10**

Size

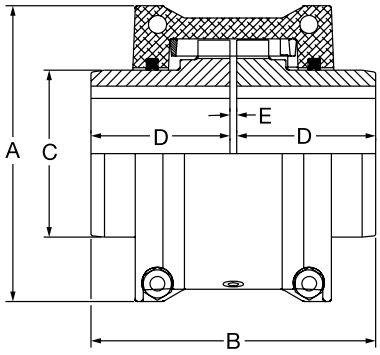
Coupling Type

T10 = Horizontal Split Cover
T20 = Vertical Split Cover
T31 = Full Spacer
T35 = Half Spacer

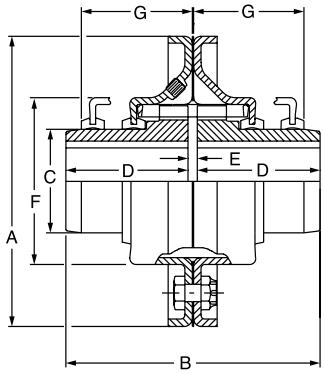
SELECTION/DIMENSIONS

GRID-LIGN

RATINGS AND DIMENSIONS FOR COUPLING SIZES 1020T - 1140T



TYPE T10



TYPE T20

Coupling Size	Straight Bore			TAPER-LOCK		HP/100		TORQUE		Max. RPM	
	Min. Bore	Maximum Bore		Min. Bore	Max. Bore	Str. Hub	T-L Hub	Str. Hub (In-Lbs)	T-L Hub (In-Lbs)		
		Sq. Key	Rec. Key							T10	T20
1020T	0	1-1/8	1-3/16	N/A	N/A	0.74	-	464	-	4500	6000
1030T	0	1-3/8	1-7/16	1/2	1-1/8	2.09	1.9	1320	1200	4500	6000
1040T	0	1-5/8	1-3/4	1/2	1-1/8	3.49	2.1	2200	1300	4500	6000
1050T	0	1-7/8	2	1/2	1-1/4	6.11	5.6	3850	3500	4500	6000
1060T	0	2-1/8	2-1/4	1/2	1-11/16	9.60	6.8	6050	4300	4350	6000
1070T	0	2-1/2	2-11/16	1/2	2-1/8	13.96	11.3	8800	7150	4125	5500
1080T	0	3	3-1/4	3/4	2-11/16	28.80	17.9	18150	11300	3600	4750
1090T	0	3-1/2	3-3/4	15/16	3-1/4	52.36	38.1	33000	24000	3600	4000
1100T	0	4	4-1/4	15/16	3-1/4	88.14	38.1	55550	24000	2440	3250
1110T	0	4-1/2	4-5/8	1-13/16	3-15/16	130.90	71.1	82500	44800	2250	3000
1120T	2-3/8	5	5-3/8	*	*	191.99	*	121000	*	2025	2700
1130T	2-5/8	6	6-1/2	*	*	279.25	*	176000	*	1800	2400
1140T	2-5/8	7	7-1/4	*	*	401.43	*	253000	*	1650	2200

Coupling Size	A		B		C	D		E	Weight (Lbs.) (1)		Inertia
	T10	T20	Str. Hub	T-L Hub		Str. Hub	T-L Hub		T10	T20	(Lb. Ft.^{2}) (2)
1020T	3.47	4.38	3.89	N/A	1.56	1.9	N/A	0.1	2.8	3.0	0.03
1030T	3.88	4.75	3.89	3.39	1.94	1.9	1.6	0.1	3.8	4.0	0.1
1040T	4.22	5.06	4.13	3.36	2.25	2.0	1.6	0.1	4.7	4.9	0.1
1050T	5.09	5.81	4.88	3.89	2.63	2.4	1.9	0.1	7.3	7.5	0.2
1060T	5.47	6.38	5.13	4.38	3.00	2.5	2.1	0.1	11.0	11.0	0.3
1070T	5.92	6.81	6.13	4.38	3.44	3.0	2.1	0.1	13.8	14.0	0.4
1080T	6.92	7.88	7.13	5.39	4.13	3.5	2.6	0.1	25.1	25.6	1.01
1090T	7.70	9.13	7.88	6.39	4.88	3.9	3.1	0.1	35.1	35.6	1.7
1100T	9.88	10.50	9.69	7.19	5.59	4.8	3.5	0.2	62.6	63.2	3.7
1110T	10.63	11.25	10.19	7.45	6.31	5.0	3.6	0.2	78.5	79.0	5.6
1120T	12.13	12.56	12.00	*	7.06	5.9	*	0.3	114.0		10.8
1130T	13.63	14.88	13.00	*	8.56	6.4	*	0.3	165.0		20.2
1140T	15.13	16.38	14.75	*	10.00	7.3	*	0.3	236.0		36.4

(1) Weight of complete coupling at maximum bore

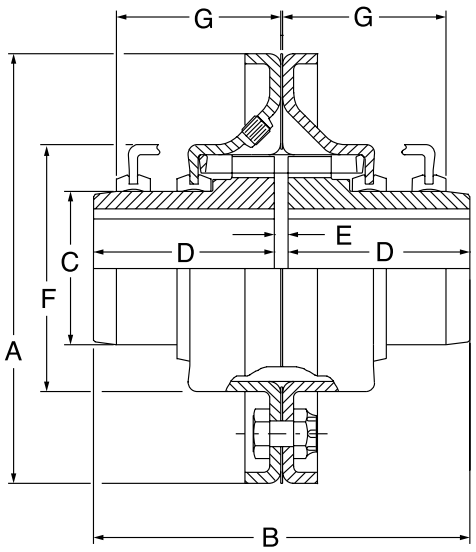
(2) Inertia of complete coupling at maximum bore

* Priced on Request

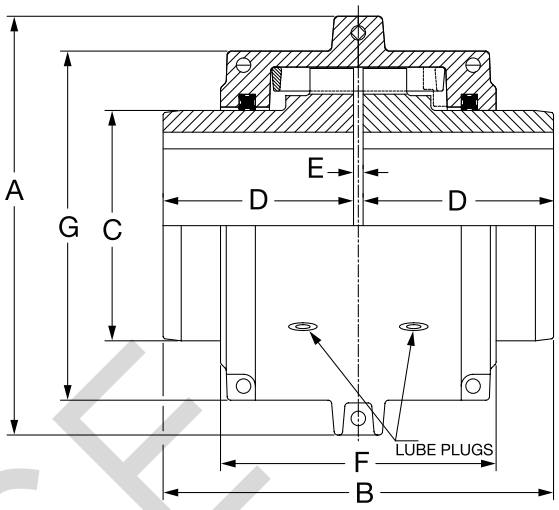
SELECTION/DIMENSIONS

GRID-LIGN

COUPLINGS SIZES FOR 1150T - 1200T



TYPE T20



TYPE T10

Coupling Size	Straight Bore		Torque		Maximum RPM		Weight (lbs) (1)	Inertia (lb ft²) (2)
	Minimum	Maximum	HP/100	In-Lbs	T10	T20		
1150T	4.1	8.0	558.5	352000	1500	2000	516	12387
1160T	4.6	9.0	785.4	495000	1350	1750	699	20192
1170T	5.1	10.0	1047.2	660000	1225	1600	988	35251
1180T	5.8	11.0	1451.8	915000	1110	1400	1365	63935
1190T	5.8	12.0	1919.9	1210000	1050	1300	1711	95407
1200T	6.8	13.0	2618.0	1650000	900	1100	2333	158256

Coupling Size	A		B	C	D	E	F	G
	T10	T20						
1150T	17.9	18.8	14.7	10.6	7.2	0.3	10.8	15.5
1160T	19.8	21.0	15.9	12.0	7.8	0.3	11.0	17.2
1170T	22.4	23.0	17.3	14.0	8.5	0.3	12.2	19.2
1180T	24.8	24.8	19.1	15.5	9.4	0.3	12.7	21.9
1190T	26.4	27.0	20.7	18.3	10.2	0.3	12.8	23.8
1200T	30.0	29.0	22.3	19.6	11.0	0.3	14.0	26.1

(1) Weight of complete coupling at minimum bore

(2) Inertia of complete coupling at minimum bore

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SELECTION/DIMENSIONS

GRID-LIGN

Type T10 And T20 GRID-LIGN Couplings Part Numbers - Sizes 1020T Thru 1090T

Size	1020T	1030T	1040T	1050T	1060T	1070T	1080T	1090T
T10 Grid/Cover	• 006750	• 006751	• 006752	• 006753	• 006754	• 006755	• 006756	• 006757
T20 Grid/Cover	• 006765	• 006766	• 006767	• 006768	• 006769	• 006770	• 006771	• 006772
Grid	• 006275	• 006276	• 006277	• 006278	• 006279	• 006280	• 006281	• 006282
T10 Cover	• 006250	• 006251	• 006252	• 006253	• 006254	• 006255	• 006256	• 006257
T20 Cover	• 006260	• 006261	• 006262	• 006263	• 006264	• 006265	• 006266	• 006267
T-L Hubs	N/A	• 006318	• 006319	• 006320	• 006321	• 006322	• 006323	• 006324
Bushing Size	N/A	1108	1108	1215	1615	2012	2525	3030
Reborable	• 006290	• 006291	• 006292	• 006293	• 006294	• 006295	• 006296	• 006297
Finished Bore Hub								
1/2	006580							
5/8	006581	006585						
3/4	• 006582	• 006586						
7/8	006583	• 006587	• 006592	• 006576				
15/16	006571	006572	006950	006953	006957			
1	• 006584	• 006588	• 006593	• 006577				
1-1/8	• 006793	• 006589	• 006594	• 006599	006578			
1-3/16			006951	006954	006958			
1-1/4		• 006590	• 006595	• 006600	• 006579	006629		
1-3/8		• 006591	• 006596	• 006601	• 006606	006640		
1-7/16			006952	006955	006643	006961		
1-1/2			• 006597	• 006602	• 006607	• 006641	006642	006540
1-5/8			• 006598	• 006603	• 006608	• 006612	006539	
1-11/16				• 006956	006959	006962		
1-3/4				006604	• 006609	• 006613		
1-7/8				• 006605	• 006610	• 006614	006573	006541
1-15/16					• 006960	006963		
2					• 006794	• 006615	006620	
2-1/8					• 006611	• 006616	• 006621	006656
2-3/16						• 006964	006966	
2-1/4						• 006617	• 006622	• 006657
2-3/8						• 006618	• 006623	• 006804
2-7/16						• 006965	006967	
2-1/2						006619	• 006624	• 006795
2-5/8						006479	006625	006796
2-11/16							006968	006790
2-3/4							006626	006797
2-7/8							• 006627	• 006798
2-15/16							006969	006791
3							006628	006799
3-1/8								006800
3-1/4								006801
3-3/8								• 006802
3-7/16								006792
3-1/2								006803
3-5/8								
3-3/4								006480
3-7/8								
3-15/16								
4								

• Stock Sizes *Priced on request

Note: For TAPER-LOCK design, TAPER-LOCK bushings must be ordered separately

Note: 1020T - 1090T hubs come standard as clearance fit. Interference fit available on request.

Complete coupling consists of: (2) Hubs, TAPER-LOCK or straight bore, and (1) grid & cover assembly

SELECTION/DIMENSIONS

GRID-LIGN

Type T10 And T20 GRID-LIGN Couplings Part Numbers - Sizes 1100T Through 1200T

Size	1100T	1110T	1120T	1130T	1140T	1150T	1160T	1170T	1180T	1190T	1200T
T10 Grid/Cover	• 006758	• 006759	• 006760	• 006761	• 006762	• 007456	• 007457	• 007458	• 007459	• 007460	• 007461
T20 Grid/Cover	• 006773	• 006774	425514	423677	426916	007017	007018	007019	007020	007021	007022
Grid	• 006283	• 006284	007462	007463	007464	• 007465	• 007466	• 007467	• 007468	• 007469	• 007470
T10 Cover	• 006258	• 006259	007471	007472	007473	• 007474	• 007475	• 007476	• 007477	• 007478	• 007479
T20 Cover	• 006268	• 006269	426672	426673	426674	007011	007012	007013	007014	007015	007016
T-L Hubs	• 006325	• 006326	423589	393257	*	*	*	*	*	*	*
Bushing Size	3030	3535	4040	4545	*	*	*	*	*	*	*
Reborable	• 006298	• 006299	• 006300	• 006301	• 006245	• 007450	• 007451	• 007452	• 007453	• 007454	• 007455
Finished Bore Hubs											
2-1/2	006460										
2-5/8	006461										
2-11/16	006473										
2-3/4	006462										
2-7/8	006463										
2-15/16	006474										
3	006464	006486									
3-1/8	006465	006487									
3-1/4	006466	006488									
3-3/8	• 006467	006489									
3-7/16	006475	006484									
3-1/2	006468	006490									
3-5/8	006469	006491									
3-3/4	006470	006492									
3-7/8	006471	006493									
3-15/16	006476	006485									
4	006472	006494									

• Stock Sizes *Priced on request

Note: For TAPER-LOCK design, TAPER-LOCK bushings must be ordered separately

Note: 1100T - 1200T hubs come standard as interference fit. Clearance fit available on request

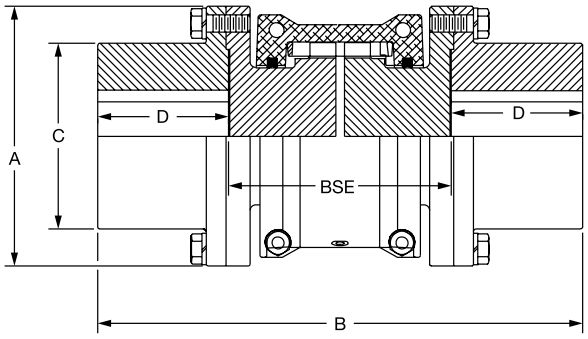
Complete coupling consists of: (2) Hubs, TAPER-LOCK or straight bore, and (1) grid & cover assembly.

TL Bushings on page PT6-2

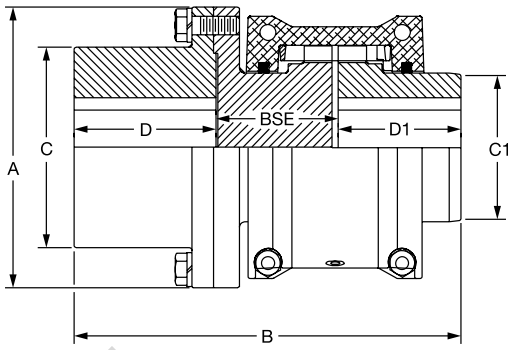
SELECTION/DIMENSIONS

GRID-LIGN

SPACER, STRAIGHT BORE & TAPER-LOCK DIMENSIONS/RATINGS



TYPE T31



TYPE T35

Coupling Size	Straight Bore			TAPER-LOCK		HP/100 (5)		TORQUE (5)		Max. RPM	T31 Weight*	
	Min. Bore	Maximum Bore		Min. Bore	Max. Bore	Str. Hub	T-L Hub	Str. Hub (In-Lbs)	T-L Hub (In-Lbs)		(1)	(2)
		Sq. Key	Rec. Key									
1020T	---	1-3/8	1-7/16	1/2	1-1/8	0.67	0.67	422	422	3600	8.1	.54
1030T	---	1-5/8	1-3/4	1/2	1-1/8	1.90	1.90	1200	1200	3600	11.1	.83
1040T	---	2-1/8	2-1/4	1/2	1-7/16	3.20	3.20	2000	2000	3600	18.0	1.11
1050T	---	2-3/8	2-1/2	1/2	1-11/16	5.60	5.60	3500	3500	3600	26.6	1.52
1060T	---	2-7/8	3-1/8	1/2	2-1/8	8.70	8.70	5500	5500	3600	42.7	1.98
1070T	---	3-1/8	3-1/4	3/4	2-11/16	13.00	13.00	8000	8000	3600	52.3	2.60
1080T	---	3-1/2	3-3/4	3/4	2-11/16	26.00	17.90	16,500	11,300	3600	84.8	3.70
1090T	---	4	4-1/4	15/16	3-1/4	48.00	38.10	30,000	24,000	3600	130.0	5.20

Coupling Size	A	C	C1	D	D1	T31 BSE		T35 BSE		T31 Inertia (Lb. Ft.^{2})	
						Min.	Max.	Min.	Max.	(3)	(4)
1020T	3.38	2.06	1.56	1.38	1.88	3.50	8.00	1.78	4.03	0.07	0.001
1030T	3.69	2.34	1.94	1.63	1.88	3.50	8.50	1.78	4.28	0.11	0.003
1040T	4.44	3.11	2.25	2.13	2.00	3.50	8.50	1.78	4.28	0.21	0.005
1050T	4.94	3.44	2.63	2.38	2.38	4.38	8.50	2.22	4.28	0.51	0.010
1060T	5.69	4.06	3.00	2.88	3.50	5.00	13.00	2.53	6.53	0.88	0.020
1070T	6.00	4.31	3.44	3.13	3.00	5.00	13.00	2.53	6.53	1.23	0.030
1080T	7.00	4.81	4.13	3.50	3.50	7.25	16.00	3.66	8.03	2.49	0.060
1090T	8.25	5.63	4.88	4.00	3.88	7.25	16.00	3.66	8.03	5.01	0.110

(1) Weight of T31 coupling at maximum bore

(2) Weight adder per inch

(3) Inertia of T31 coupling at maximum bore

(4) Inertia adder per inch

(5) HP/100 and TORQUE ratings for T-L style shaft hubs apply for "T" shaft hubs. See page PT1-52 for standard T-L style shaft hubs

* For weight and inertia of T35 use 1/2 of T31 value (this page) and 1/2 T10 value (page PT1-52)

SELECTION/DIMENSIONS

GRID-LIGN

Type T 31 And T35 GRID-LIGN Couplings, Spacer Straight Bore "T" Hubs, TAPER-LOCK "T" Hubs, Grids And Covers - Part Numbers

Size	1020T	1030T	1040T	1050T	1060T	1070T	1080T	1090T
T10Grid/Cover	• 006750	• 006751	• 006752	• 006753	• 006754	• 006755	• 006756	• 006757
Grid	• 006275	• 006276	• 006277	• 006278	• 006279	• 006280	• 006281	• 006282
T10 Cover	• 006250	• 006251	• 006252	• 006253	• 006254	• 006255	• 006256	• 006257
T-L Hubs	• 006328	• 006329	• 006330	• 006331	• 006332	• 006333	• 006334	• 006335
Bushing Size	1108	1108	1310	1615	2012	2525	2525	3030
Reborable	• 006305	• 006306	• 006307	• 006308	• 006309	• 006310	• 006311	• 006312
Finished Bore Hubs								
5/8	006903							
7/8	• 006904	006907	006399					
1	006905	006908	• 006970	006984				
1-1/8	006906	006909	006971	006985				
1-1/4	006396	006397	006400	006402	006411			
1-3/8	• 006560	006894	006972	006986	006412			
1-7/16				006456				
1-1/2				006481	006413			
1-5/8		• 006398	006973	006987	006414	006417	006433	
1-3/4			006974	006988	006990	006418		
1-7/8			006564	006989	006991	006419	006434	• 006440
2				006457	006482			
2-1/8			006401	006565	006992	006429	006435	
2-3/8				006566	• 006567	• 006430	006458	006451
2-7/16					006415		006550	
2-5/8					006416		006436	
2-7/8					• 006568	006431	006437	006452
3						006432	006438	006453
3-3/8							• 006439	006454
3-7/8							006455	006455

• Stock Sizes

Complete spacer couplings consists of:

T31 Spacer - (2) "T" Shaft Hubs
(2) Spacer Hubs (Page PT1-58)
(1) T10 Grid & Cover Assembly

T35 Half Spacer - (1) Shaft Hub (Page PT1-49)
(1) Spacer Hub (Page PT1-59)
(1) "T" Shaft Hub
(1) T10 Grid & Cover Assembly

NOTE: For TAPER-LOCK designs, TAPER-LOCK bushings must be ordered separately. Refer to bushing section PT6-16.

NOTE: 1020T - 1090T hubs come standard as clearance fit. Interference fit available on request.

SELECTION/DIMENSIONS

GRID-LIGN

Type T31 - Full Spacer

B.S.E. Dimensions (in.)	Coupling Size															
	1020T Spacer Assembly		1030T Spacer Assembly		1040T Spacer Assembly		1050T Spacer Assembly		1060T Spacer Assembly		1070T Spacer Assembly		1080T Spacer Assembly		1090T Spacer Assembly	
	P/N	Qty.	P/N	Qty.	P/N	Qty.	P/N	Qty.	P/N	Qty.	P/N	Qty.	P/N	Qty.	P/N	Qty.
3.5	006497	2	006504	2	006516	2										
3.94	006497	1	006504	1	006516	1										
	006498	1	006505	1	006517	1										
4.25	006497	1	006504	1	006516	1										
	006499	1	006506	1	006518	1										
4.38	006498	2	006505	2	006517	2	006533	2								
4.69	006498	1	006505	1	006517	1	006533	1								
	006499	1	006506	1	006518	1	006534	1								
5	006499	2	006506	2	006518	2	006534	2	006544	2	006553	2				
5.22					006516	1										
					006519	1										
5.38			006504	1	006516	1										
			006507	1	006520	1										
5.66					006517	1	006533	1								
					006519	1	006535	1								
5.81			006505	1	006517	1	006533	1								
			006507	1	006520	1	006536	1								
5.97					006518	1	006534	1								
					006519	1	006535	1								
6.12			006506	1	006518	1	006534	1	006544	1	006553	1				
			006507	1	006520	1	006536	1	006545	1	006554	1				
6.94					006519	2	006535	2								
7.09					006519	1	006535	1								
					006520	1	006536	1								
7.25			006507	2	006520	2	006536	2	006545	2	006554	2	006561	2	006569	2
8.00																
8.59													006561	1		
													006562	1		
8.62									006544	1	006553	1				
									006546	1	006555	1				
8.88																
9.75									006545	1	006554	1	006561	1	006569	1
									006546	1	006555	1	006563	1	006570	1
9.94													006562	2		
11.09													006562	1		
													006563	1		
12.25									006546	2	006555	2	006563	2	006570	2

SELECTION/DIMENSIONS

GRID-LIGN

Type T35 - Half Spacer

B.S.E. Dimensions (in.)	Coupling Size															
	1020T		1030T		1040T		1050T		1060T		1070T		1080T		1090T	
	Spacer Assembly		Spacer Assembly		Spacer Assembly		Spacer Assembly		Spacer Assembly		Spacer Assembly		Spacer Assembly		Spacer Assembly	
	P/N	Qty.	P/N	Qty.	P/N	Qty.	P/N	Qty.	P/N	Qty.	P/N	Qty.	P/N	Qty.	P/N	Qty.
1.78	006497	1	006504	1	006516	1										
2.22	006498	1	006505	1	006517	1	006533	1								
2.53	006499	1	006506	1	006518	1	006534	1	006544	1	006553	1				
3.50					006519	1	006535	1								
3.66			006507	1	006520	1	006536	1	006545	1	006554	1	006561	1	006569	1
4.06																
5.00													006562	1		
6.16									006546	1	006555	1	006563	1	006570	1

T31 - Full Spacer

T35 - Half Spacer

FEATURES/BENEFITS

Gear Couplings

The Power-Dense, High-Torque Gear Coupling

The DODGE Gear Coupling (DGF) offers unmatched performance and proven reliability

Quality Manufacturing

- High-quality steel
- Larger tooth profile provides additional service factor
- Good inherent balance
- Proven O-ring seal design
- Machined flanges and gasket for improved sealing
- High-grade fasteners

Performance Benefits

- High torque rating allows for coupling downsizing
- Versatile design permits interchangeable half couplings
- Low backlash (well suited for reversing applications)
- Crowned tooth profile for longer life and improved performance

DODGE Benefits

- Coupling solutions for any application

  Choose from DODGE coupling family: Gear (DGF), PARA-FLEX, GRID-LIGN, D-FLEX, Rigid and Fluid - all available from stock

- Combine DODGE couplings with any DODGE speed reducer for unmatched performance

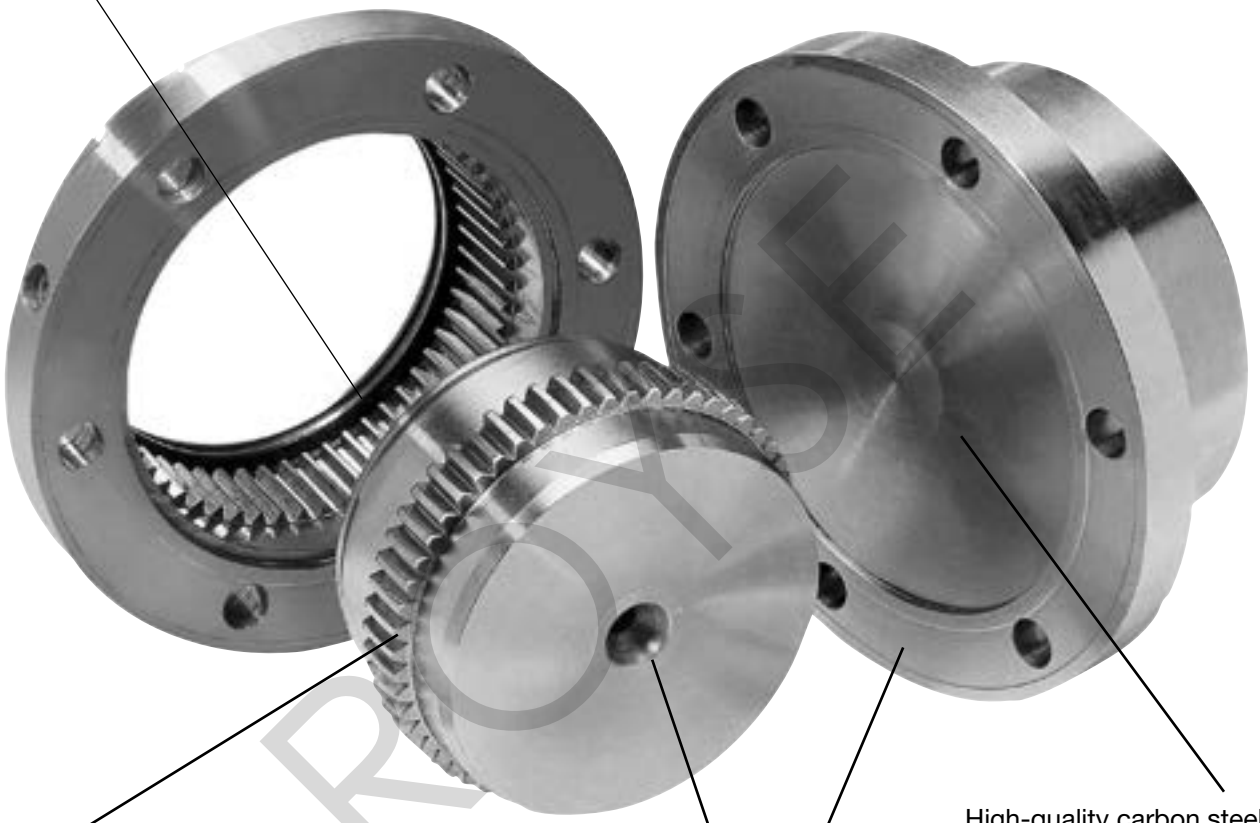
  Choose from thousands of combinations to get a package tailored to meet your needs

- Years of application expertise

  DODGE engineers can help specify products to achieve maximum results from your equipment

FEATURES/BENEFITS

Gear Couplings



SPECIFICATION/HOW TO ORDER/NOMENCLATURE

DODGE®

Gear Couplings

SPECIFICATION

DODGE GEAR COUPLINGS are power dense and capable of transmitting high torque at high speeds while still remaining inherently well balanced. Gear Couplings transmit torque by the mating of two hubs with external gear teeth that are joined by flanged sleeves with internal gear teeth.

Gear Couplings will be provided with interference fit bores unless otherwise specified. The hubs and sleeves will be manufactured of high quality steel.

HOW TO ORDER

Standard couplings consist of:

(2) Flex Hubs

(2) Sleeves

(1) Hardware Kit

NOMENCLATURE

DGF 1.0

DODGE Gear coupling

Size

COMPETITOR INTERCHANGE

DODGE DGF	FALK LIFELIGN	KOP-FLEX KOPPERS SERIES H	AMERIGEAR ZURN F SERIES	LOVEJOY/ SIER-BATH
1	1010G20 *	1	201	-
1.5	1015G20	1-1/2	201-1/2	1.5
2	1020G20	2	202	2
2.5	1025G20	2-1/2	202-1/2	2.5
3	1030G20	3	203	3
3.5	1035G20	3-1/2	203-1/2	3.5
4	1040G20	4	204	4
4.5	1045G20	4-1/2	204-1/2	4.5
5	1050G20	5	205	5
5.5	1055G20	5-1/2	205-1/2	5.5
6	1060G20	6	206	6
7	1070G20	7	207	-

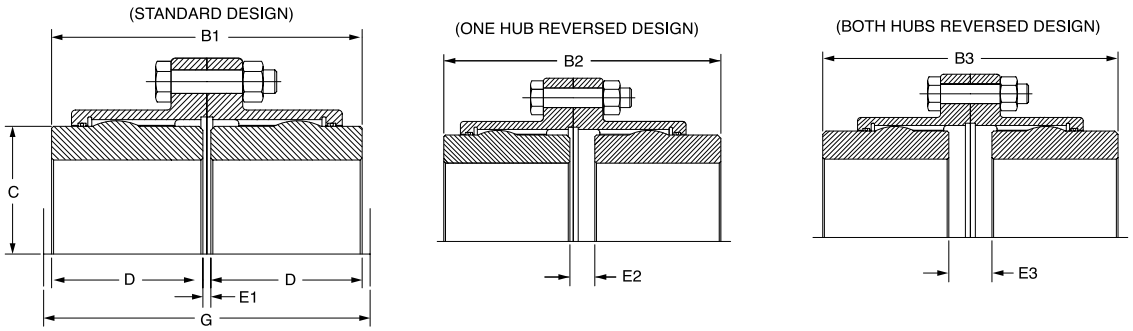
* G20 - FLEX-FLEX
G52 - FLEX-RIGID

NOTE: Instruction manual for Gear Couplings available on www.baldor.com

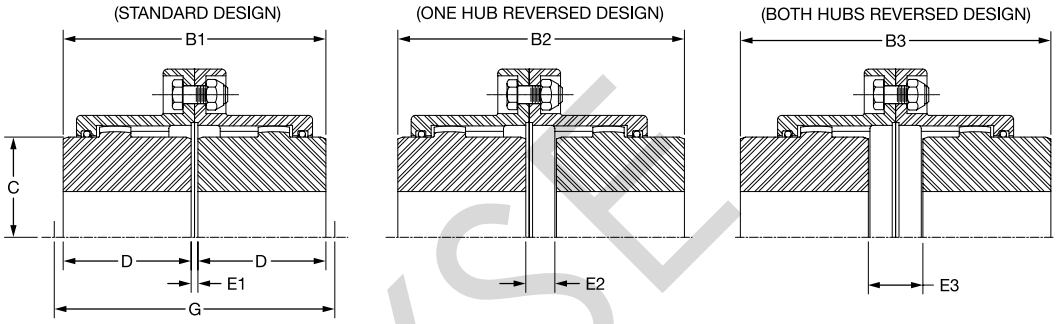
SELECTION/DIMENSIONS

Gear Couplings

Exposed Bolt Design



Shrouded Bolt Design



Size	Min. Bore [in.]	Max. Bore [in.] Standard Keyway		Max. Bore [in.] Shallow Keyway		HP/100+ RPM	Torque+ [lb-in.]	Max. RPM*	Max. Parallel Offset [in.]**	Approx. Weight [lbs.] ***
		Flex Hub	Rigid Hub	Flex Hub	Rigid Hub					
1	0.438	1.625	2.188	1.750	2.313	12	7500	6000	0.055	9
1.5	0.690	2.125	2.813	2.250	3.063	30	18900	5500	0.060	19
2	0.940	2.750	3.500	3.000	3.750	50	31500	5000	0.085	34
2.5	1.440	3.250	4.250	3.375	4.500	90	56700	4400	0.105	55
3	1.440	4.000	4.875	4.250	5.250	150	94500	4000	0.115	86
3.5	1.810	4.625	5.625	4.875	6.125	240	151300	3500	0.130	135
4	2.440	5.375	6.500	5.625	6.875	350	220600	3000	0.150	195
4.5	3.000	6.000	7.375	6.438	8.000	480	302500	2700	0.175	268
5	3.000	6.500	8.375	7.000	8.875	690	434900	2500	0.200	394
5.5	4.000	7.500	9.250	7.875	9.875	910	573500	2200	0.220	526
6	4.000	8.250	10.125	8.750	11.000	1190	750000	2100	0.120	687
7	5.000	9.500	11.250	9.750	12.250	1600	1008400	2000	0.135	1017

\+ Ratings are based on standard interference fit.

* For higher RPM applications, contact DODGE Customer Order Engineering at (864) 284-5700.

** Based on 1-1/2 degrees angular misalignment per gear mesh for sizes 1 through 5-1/2, 3/4 degree angular misalignment per gear mesh for sizes 6 and 7, and maximum bore. Flex-Rigid configurations do not accept parallel misalignment.

*** Approximate weight with minimum bore.

Size	Dimension [in.]								
	B1	B2	B3	C	D	E1	E2	E3	G
1	3-1/2	3-13/16	4-1/8	2-5/16	1-11/16	1/8	7/16	3/4	4-3/16
1.5	4	4-1/4	4-1/2	3	1-15/16	1/8	3/8	5/8	4-3/4
2	5	5-13/16	6-3/8	4	2 -7/16	1/8	13/16	1-1/2	6
2.5	6-1/4	7-1/32	7-13/16	4-5/8	3-1/32	3/16	31/32	1-3/4	7-1/8
3	7-3/8	8-1/32	8-11/16	5-5/8	3-19/32	3/16	27/32	1-1/2	8-1/8
3.5	8-5/8	9-3/16	9-3/4	6-1/2	4-3/16	1/4	13/16	1-3/8	9-3/8
4	9-3/4	10-7/16	11-1/8	7-1/2	4-3/4	1/4	15/16	1-5/8	10-1/4
4.5	10-15/16	12	13-1/16	8-1/2	5-5/16	5/16	1-3/8	2-7/16	11-1/2
5	12-3/8	13-23/32	15-1/16	9-1/2	6-1/32	5/16	1-21/32	3	13
5.5	14-1/8	15-5/8	17-1/8	6-29/32	6-29/32	5/16	1-13/16	3-5/16	14-3/8
6	15-1/8	16-17/32	17-15/16	11-1/2	7-13/32	5/16	1-23/32	3-1/8	17
7	17-3/4	19-1/16	20-3/8	13	8-11/16	3/8	1-11/16	3	20

* Minimum space required to install and align coupling.

FEATURES/BENEFITS PAGE PT1-48	SPECIFICATION/HOW TO ORDER PAGE PT1-51	MODIFICATION/ACCESSORIES PAGE PT1-79	ENGINEERING/TECHNICAL PAGE PT1-81

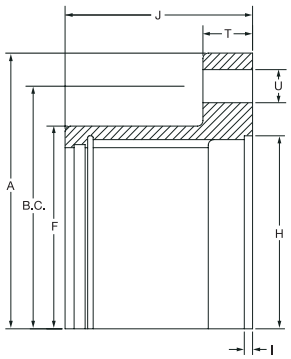
SELECTION/DIMENSIONS

DODGE®

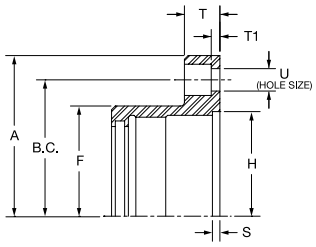
Gear Couplings

(FLANGED SLEEVE AND RIGID HUB DETAILS)

Exposed Bolt Design



Shrouded Bolt Design



Size	Outside Diameter A	Flange Width J	Flange Thickness T	Flange Thickness T1	Hub Diameter F	Undercut Depth I	Undercut Diameter H	Hole Diameter U	Bolt Circle B.C.	Number of Bolts
	All Dimensions in Inches									
1 EB	4-9/16	1-21/32	9/16	-	3	3/32	2 -7/8	1/4	3-3/4	6
1 SB	4-9/16	1-21/32	9/16	1/2	3	3/32	2 -7/8	1/4	3-3/4	6
1.5 EB	6	1-7/8	3/4	-	3-7/8	3/32	3-11/16	3/8	4-13/16	8
1.5 SB	6	1-7/8	3/4	1/2	3-7/8	3/32	3-11/16	3/8	4-13/16	8
2 EB	7	2-3/8	3/4	-	4-13/16	3/32	4-5/8	1/2	5 -7/8	6
2 SB	7	2-3/8	3/4	1/2	4-13/16	3/32	4-5/8	3/8	5-13/16	10
2.5 EB	8-3/8	2-7/8	15/16	-	5-13/16	3/32	5-7/16	5/8	7-1/8	6
2.5 SB	8-3/8	2-7/8	15/16	5/16	5-13/16	3/32	5-7/16	1/2	7	10
3 EB	9-7/16	3-5/16	15/16	-	6-13/16	3/32	6-7/16	5/8	8-1/8	8
3 SB	9-7/16	3-5/16	15/16	5/16	6-13/16	3/32	6-7/16	1/2	8	12
3.5 EB	11	3-13/16	1-1/8	-	7-27/32	3/32	7-3/8	3/4	9-1/2	8
3.5 SB	11	3-13/16	1-1/8	3/8	7-27/32	3/32	7-3/8	5/8	9-9/32	12
4 EB	12-1/2	4-1/4	1-1/8	-	9-3/16	3/16	8-3/4	3/4	11	8
4 SB	12-1/2	4-1/4	1-1/8	3/8	9-3/16	3/16	8-3/4	5/8	10-5/8	14
4.5 EB	13-5/8	4-13/16	1-1/8	-	10-5/16	3/16	9-3/4	3/4	12	10
4.5 SB	13-5/8	4-13/16	1-1/8	3/8	10-5/16	3/16	9-3/4	5/8	11-3/4	14
5 EB	15-5/16	5-1/2	1-1/2	-	11-7/16	3/16	10-3/4	7/8	13-1/2	8
5 SB	15-5/16	5-1/2	1-1/2	9/16	11-7/16	3/16	10-3/4	3/8	13-3/16	14
5.5 EB	16-3/4	6	1-1/2	-	10-1/2	3/16	12-1/8	7/8	14-1/2	14
5.5 SB	16-3/4	6	1-1/2	9/16	10-1/2	3/16	12-1/8	3/4	14-7/16	16
6 EB*	18	6-11/16	1	-	13-15/16	3/16	13 -3/8	7/8	15-3/4	14
7 EB*	20-3/4	7-3/8	1-1/8	-	15-3/4	1/4	14-5/8	1	18-1/4	16

EB = Exposed Bolt Pattern

SB = Shrouded Bolt Pattern

* Sizes 6 & 7 only available in exposed bolt pattern

Part Numbers

Part Number	Description	Part Number	Description	Part Number	Description
Size 1.0		**Size 3.0**		**Size 5.0**	
013110	DGF 1.0 FLEX HUB	**013126**	DGF 3.0 FLEX HUB	**013142**	DGF 5.0 FLEX HUB
013111	DGF 1.0 SLEEVE EB	**013127**	DGF 3.0 SLEEVE EB	**013143**	DGF 5.0 SLEEVE EB
012975	DGF 1.0 SLEEVE SB	**012979**	DGF 3.0 SLEEVE SB	**012983**	DGF 5.0 SLEEVE SB
013112	DGF 1.0 RIGID HUB EB	**013128**	DGF 3.0 RIGID HUB EB	**013144**	DGF 5.0 RIGID HUB EB
013113	DGF 1.0 EB HARDWARE KIT	**013129**	DGF 3.0 EB HARDWARE KIT	**013145**	DGF 5.0 EB HARDWARE KIT
394171	DGF 1.0 SB HARDWARE KIT	**394175**	DGF 3.0 SB HARDWARE KIT	**394179**	DGF 5.0 SB HARDWARE KIT
Size 1.5		**Size 3.5**		**Size 5.5**	
013114	DGF 1.5 FLEX HUB	**013130**	DGF 3.5 FLEX HUB	**013146**	DGF 5.5 FLEX HUB
013115	DGF 1.5 SLEEVE EB	**013131**	DGF 3.5 SLEEVE EB	**013147**	DGF 5.5 SLEEVE EB
012976	DGF 1.5 SLEEVE SB	**012980**	DGF 3.5 SLEEVE SB	**012984**	DGF 5.5 SLEEVE SB
013116	DGF 1.5 RIGID HUB EB	**013132**	DGF 3.5 RIGID HUB EB	**013148**	DGF 5.5 RIGID HUB EB
013117	DGF 1.5 EB HARDWARE KIT	**013133**	DGF 3.5 EB HARDWARE KIT	**013149**	DGF 5.5 EB HARDWARE KIT
394172	DGF 1.5 SB HARDWARE KIT	**394176**	DGF 3.5 SB HARDWARE KIT	**394180**	DGF 5.5 SB HARDWARE KIT
Size 2.0		**Size 4.0**		**Size 6.0**	
013118	DGF 2.0 FLEX HUB	**013134**	DGF 4.0 FLEX HUB	**013150**	DGF 6.0 FLEX HUB
013119	DGF 2.0 SLEEVE EB	**013135**	DGF 4.0 SLEEVE EB	**013151**	DGF 6.0 SLEEVE EB
012977	DGF 2.0 SLEEVE SB	**012981**	DGF 4.0 SLEEVE SB	**013152**	DGF 6.0 RIGID HUB EB
013120	DGF 2.0 RIGID HUB EB	**013136**	DGF 4.0 RIGID HUB EB	**013153**	DGF 6.0 HARDWARE KIT
013121	DGF 2.0 EB HARDWARE KIT	**013137**	DGF 4.0 EB HARDWARE KIT		
394173	DGF 2.0 SB HARDWARE KIT	**394177**	DGF 4.0 SB HARDWARE KIT		
Size 2.5		**Size 4.5**		**Size 7.0**	
013122	DGF 2.5 FLEX HUB	**013138**	DGF 4.5 FLEX HUB	**013154**	DGF 7.0 FLEX HUB
013123	DGF 2.5 SLEEVE EB	**013139**	DGF 4.5 SLEEVE EB	**013155**	DGF 7.0 SLEEVE EB
012978	DGF 2.5 SLEEVE SB	**012982**	DGF 4.5 SLEEVE SB	**013156**	DGF 7.0 RIGID HUB EB
013124	DGF 2.5 RIGID HUB EB	**013140**	DGF 4.5 RIGID HUB EB	**013157**	DGF 7.0 HARDWARE KIT
013125	DGF 2.5 EB HARDWARE KIT	**013141**	DGF 4.5 EB HARDWARE KIT		
394174	DGF 2.5 SB HARDWARE KIT	**394178**	DGF 4.5 SB HARDWARE KIT		

Ordering Information: Standard Gear Couplings may be orders in 3 different assemblies -

1. **Flex-Flex (or Full Flex): To order a complete Flex-Flex coupling you need - (2) Flex Hubs [reborable], (2) Sleeves (includes Seal), and (1) Hardware Kit.**
2. **Flex-Rigid: To order a complete Flex-Rigid Coupling you need - (1) Flex Hub [reborable], (1) Sleeve (includes Seal), (1) Rigid Hub [reborable], and (1) Hardware Kit.**
3. **Rigid-Rigid: To order a complete Rigid-Rigid Coupling you need - (2) Rigid Hubs [reborable], and (1) Hardware Kit.**

FEATURES/BENEFITS

Disc Couplings

The Dodge Disc coupling offers industry leading torque capacity and misalignment capability resulting in longer life and improved reliability.

Disc couplings have become the preferred design for pumping and compressor applications used in the oil and gas industry due to their high torque, speed, misalignment, and maintenance-free features. The advantages of the disc style coupling have also driven the API 610 specification, which can be met by all Dodge Disc couplings. Dodge Disc Couplings meeting API 671 requirements are available upon request.

In addition to the high torque and misalignment capabilities, the Dodge Disc coupling also provides features for customers to save money by downsizing with a large hub option, and prevent unexpected downtime costs with strobe light inspection during operation.

The Dodge Disc coupling can be specified into any API 610 or API 671 pumping application due to its wide range of capabilities, as seen in Table 1. ABB drives, ABB motors, and Baldor•Reliance motors have become the standard in the oil and gas industry due to their reliability and long life. Now oil and gas users can realize the same reliability and long life by packaging Dodge Disc Couplings, ABB or Baldor•Reliance motors, and ABB drives, into one complete pump driver system.

Table 1 – Dodge Disc Coupling Ratings*

Coupling style	Size range	Max torque*	Power per 100 RPM*	Max speed*	Max bore	Misalignment capability (Angular)	Misalignment capability (Parallel)	Misalignment capability (End-Float)
		In-lbs	HP/100		Inch		Inch	Inch
Disc (Standard)	94-310	177,000	280	9,100/22,700**	7.88	1° - 1.5°	0.107	0.224
Disc (Made-to-Order)	333-702	2,292,000	3636	1,360/3,400**	15.25	0.5° - 1°	N/A	0.299

*Listed values represent the range of the entire product line. Ratings listed are the maximum ratings for the largest coupling size. Ratings are dependent upon coupling size.
See Dodge engineering catalog and appropriate selection methods during sizing or contact application engineering for assistance.

**Balanced
Note (1): Anti-corrosive options including Black Oxide, Zinc or Manganese Phosphating, Electroless Nickel, and Stainless Steel are available upon request.
Note (2): Anti-sparking options available upon request.
Note (3): Temperature range: -40°F to +450°F

FEATURES/BENEFITS

Disc Couplings

Oil and Gas Industry Focus

API 610 Design

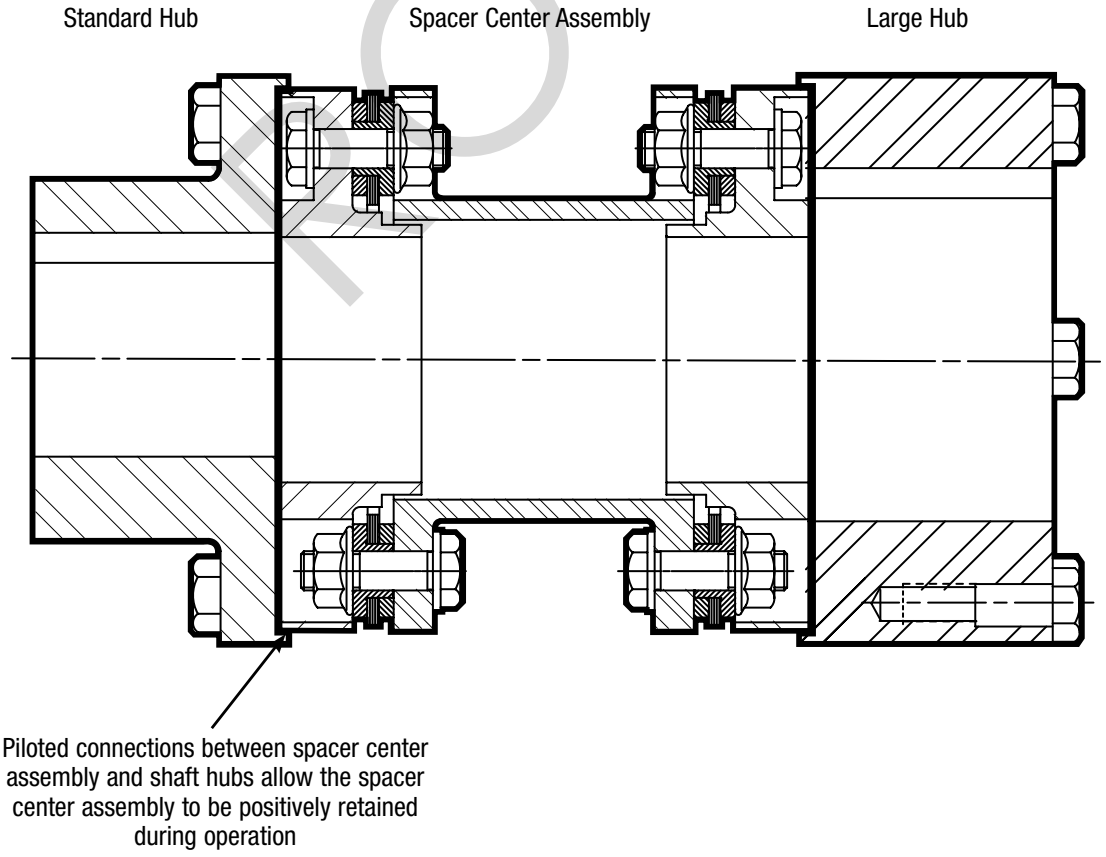
The Oil and Gas industry recognizes the importance of reliability and uptime by specifying products that reduce maintenance requirements, increase productivity, and prevent unexpected downtime. As a result, the American Petroleum Institute developed the API 610 specification as the standard for pumping applications across the industry.

All Dodge Disc Couplings can meet the API 610 specification, which includes:

- The spacer center assembly must be positively retained if the flexible element ruptures. As seen in Figure 1, the pilot machined in the disc coupling shaft hub positively retains the spacer center assembly, preventing the spacer center assembly from rotating free if a catastrophic bolt failure were to occur during operation.
- Coupling must be capable of rotating at 3800 rpm. All Dodge Disc Couplings are capable of operation at 3800 rpm.
- Flexible element should be made of corrosion resistant material. The Dodge Disc Coupling design utilizes flexible discs made of corrosion 301 stainless steel.
- Coupling hubs are made of 1045 steel.
- Coupling hubs are manufactured in accordance with AGMA 9000 Class 9 balance specifications.
- Spacer center assembly is removable without disturbing connected equipment.

In addition to meeting API 610 specification requirements, the Dodge Disc Coupling is also capable of meeting API 671 requirements upon request.

Figure 1: Dodge Disc Coupling Configuration



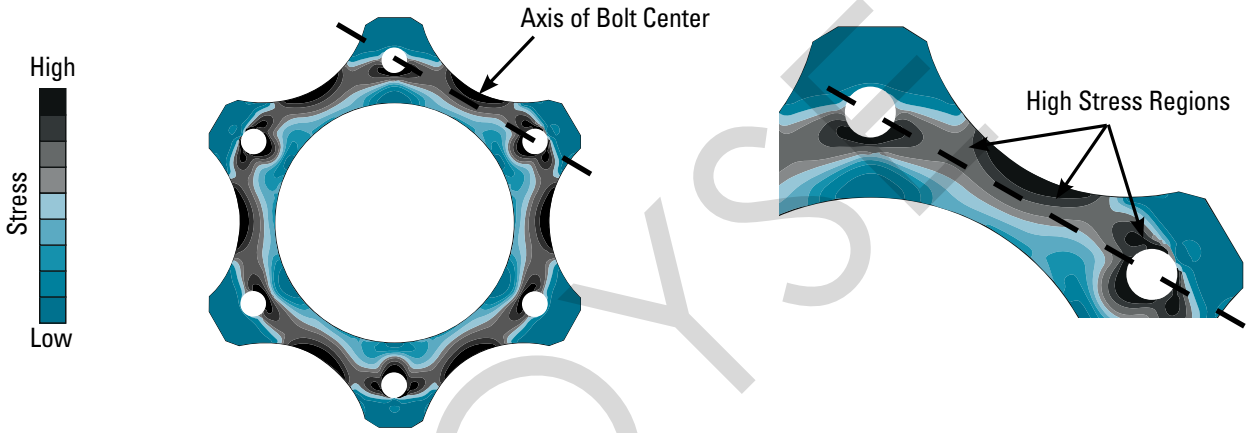
Disc Couplings

Longer Life, Improved Reliability

Competitor Disc Geometry

Many disc coupling competitors utilize the disc geometry seen below, featuring a scalloped outside diameter and circular inside diameter. As seen in Figure 2, this single scalloped design unevenly distributes material along the “axis of bolt center”, which negatively impacts the torque ratings and the misalignment capability of the coupling. Figure 2 shows large peak stress areas (as indicated) are created around the bolt holes and along the outside diameter of each leg between bolts, resulting in lower torque ratings. Additionally, the uneven distribution of material along the “axis of bolt center” drastically reduces misalignment capability during operation.

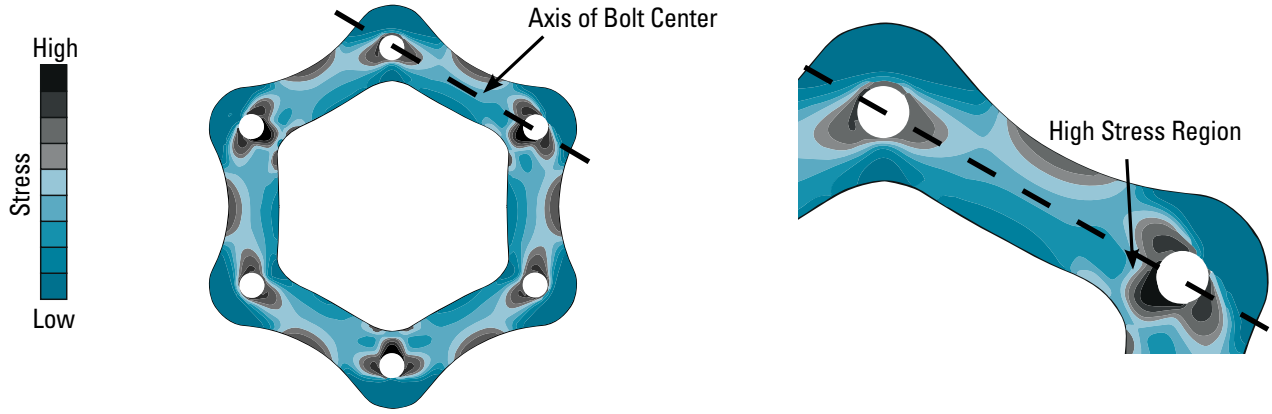
Figure 2: Competitor Disc Geometry - Single Scalloped Design



Dodge Disc Geometry

The Dodge Disc coupling utilizes the newest generation of disc geometry, a dual scalloped design, which offers an even distribution of material along the “axis of bolt center”. Figure 3 shows a drastically reduced number of high stress areas within the disc limited to only a small area around the bolt hole. Also, the peak stress shown in the Dodge Disc geometry is 13% less than the competitor’s geometry, resulting in an average of double the torque capacity. Additionally, an even distribution of material along the “axis of bolt center” maximizes misalignment capability and offers up to three times the misalignment of the leading competitor. Industry leading torque ratings and misalignment capability will ultimately lead to longer coupling life, improved reliability, and reduced unexpected downtime.

Figure 3: Dodge Disc Geometry - Dual Scalloped Design



FEATURES/BENEFITS

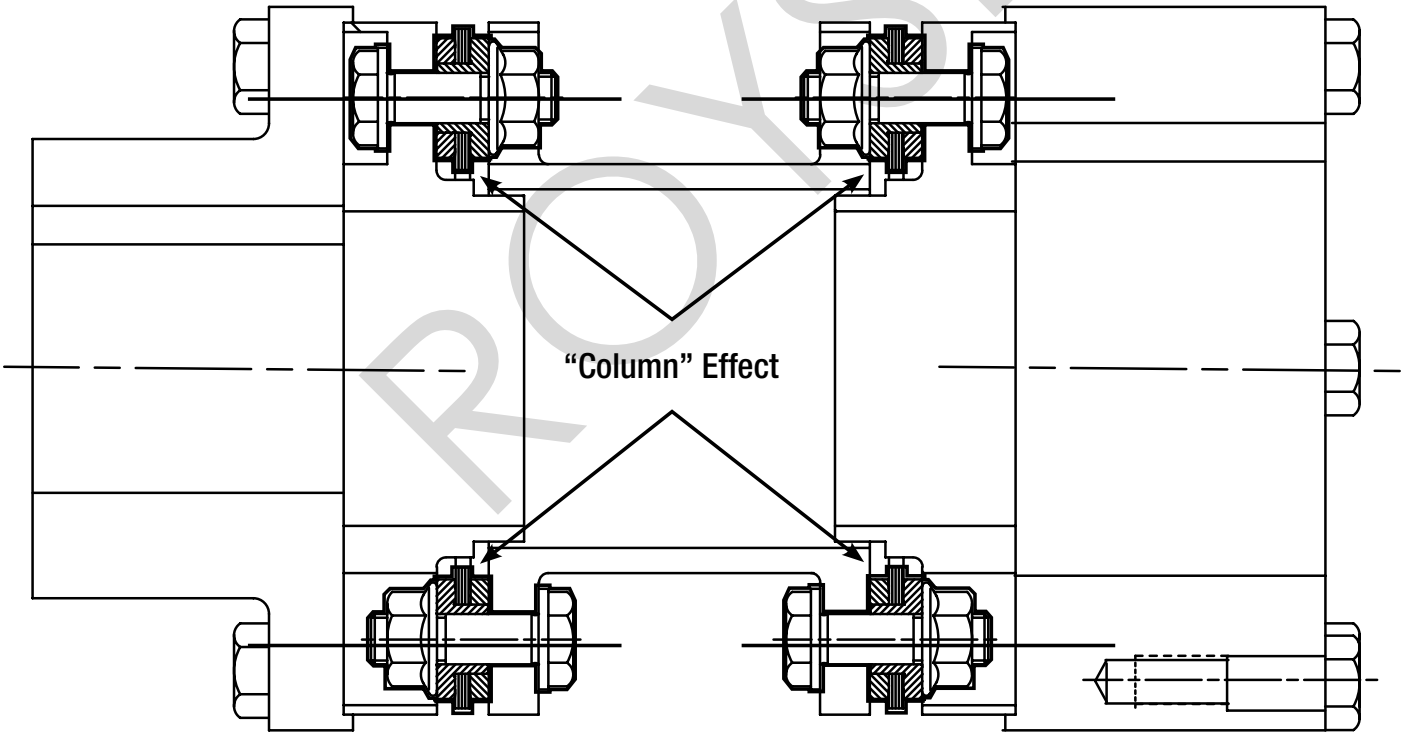
Disc Couplings

Longer Life, Improved Reliability

Unitized Assembly Design

All Dodge Disc coupling spacer center assemblies are factory assembled and include a spacer, two disc packs, and two guard rings. Pre-assembling the spacer center assembly not only ensures that the system is assembled with the required tolerances, but also allows the customer to order a single part number and receive a single unit. Utilizing a custom, tight tolerance bushing and bolt to connect the spacer, disc pack, and guard ring, results in torque being transmitted through the entire assembly. The unitized assembly or "column" effect, which can be seen in Figure 4 below, prevents any single component from transmitting the application torque alone. Competitive designs that offer loose discs for assembly risk improper installation which can cause the bolt to quickly shear. The unitized assembly is just another reason why Dodge Disc couplings can offer users higher torque ratings, increased misalignment capability, and longer life.

Figure 4: Unitized Assembly Column Effect



Disc Couplings

Increased Productivity

Maintenance Free

The Dodge Disc coupling offers the power density, large bore capacity, and high speed capabilities of a metallic coupling while eliminating the need for maintenance. Traditional gear and grid style couplings require additional grease multiple times per year in order to lubricate gear teeth and looping segments. However, the Dodge Disc coupling does not have relative movement between mating parts which allows for increased maintenance productivity. Additionally, by not having any moving components, the Dodge Disc coupling is torsionally rigid, prevents backlash, and is perfect for applications needing precise positioning such as paper machines.

When comparing a metallic coupling that requires maintenance with an elastomeric, maintenance free design, the customer must sacrifice space since the maintenance free option would be much larger than the metallic design. However, Table 2 lists three common application examples driven by NEMA and IEC motors. Table 3 reveals that the Dodge Disc coupling selection has a smaller outside diameter than the grid and gear selection. Additionally, the Dodge Disc coupling selection has equal angular misalignment to the gear and more than the grid.

Table 3 shows that the maintenance-free Dodge Disc Coupling offers comparable size and angular misalignment capability as other metallic coupling designs requiring maintenance.

Table 2: Application Details for Metallic Coupling Comparison

	Application 1		Application 2		Application 3	
	NEMA	IEC	NEMA	IEC	NEMA	IEC
Motor Frame Size	256T	160	365T	250	445T	315
Motor Shaft Size	1 5/8"	42 mm	2 3/8"	65 mm	3 3/8"	80 mm
HP / kW	20 HP	15 kW	75 HP	55 kW	150 HP	110 kW
RPM	1750	1500	1750	1500	1750	1500
Service Factor	2.0	2.0	2.0	3.0	2.0	4.0
Torque	1,441 in-lbs	191 N-m	5,402 in-lbs	1,051 N-m	10,804 in-lbs	2,801 N-m

Table 3: Coupling Size Details for Metallic Coupling Comparison

		Application 1			Application 2			Application 3		
		Outside Diameter (inch)	Outside Diameter (mm)	Angular Misalignment	Outside Diameter (inch)	Outside Diameter (mm)	Angular Misalignment	Outside Diameter (inch)	Outside Diameter (mm)	Angular Misalignment
Disc Coupling	NEMA Motor	3.70	94.00	1.5°	5.47	139.00	1.5°	7.59	193.00	1.5°
	IEC Motor	3.70	94.00	1.5°	5.47	139.00	1.5°	7.59	193.00	1.5°
Gear Coupling	NEMA Motor	4.56	115.82	1.5°	7.00	177.80	1.5°	9.44	239.78	1.5°
	IEC Motor	6.00	152.40	1.5°	7.00	177.80	1.5°	9.44	239.78	1.5°
Grid Coupling	NEMA Motor	4.22	107.19	0.5°	5.92	2336.80	0.5°	7.70	195.58	0.5°
	IEC Motor	5.09	129.29	0.5°	6.92	175.77	0.5°	7.70	195.58	0.5°

FEATURES/BENEFITS

Disc Couplings

Lower Costs, Reduce Unexpected Downtime

Downsizing Capability

Many disc coupling competitors utilize the disc geometry seen below which features a scalloped outside diameter and circular inside diameter. As seen in Figure 2, this single scalloped design unevenly distributes material along the “axis of bolt center”, which negatively impacts the torque ratings and the misalignment capability of the coupling. Figure 2 shows large peak stress areas are created around the bolt holes and along the outside diameter of each leg between bolts, resulting in lower torque ratings. Additionally, the uneven distribution of material along the “axis of bolt center” drastically reduces misalignment capability during operation.

Figure 5: Large Hub Configurations

Dodge Disc Coupling size 115 with two large hubs

Dodge Disc Coupling size 115 with one large hub and one standard hub

Reduce Unexpected Downtime with Strobe Light Inspection

The Dodge Disc coupling has the ability to be inspected during operation. By observing the disc pack under a strobe light during operation, users can diagnose potential application issues before they experience costly, unexpected downtime. Cracks in the discs clearly communicate to the user that the driver and driven shafts are severely misaligned. Also, an “S” condition, the buckling of a disc leg between the driver and driven connecting bolts, tells the user the application is experiencing a torque overload situation. With this information, modifications can be made to the application to extend the life of the coupling or the spacer center assembly can be changed out, depending on the severity of the deformation. The ability to perform predictive maintenance during operation will greatly reduce plant costs by eliminating unexpected downtime associated with couplings.

DODGE®

Disc Couplings

Complete Dodge Disc Coupling Consists of:
Quantity two hubs (standard or large) and quantity one spacer center assembly

DISC COUPLING HUB NOMENCLATURE

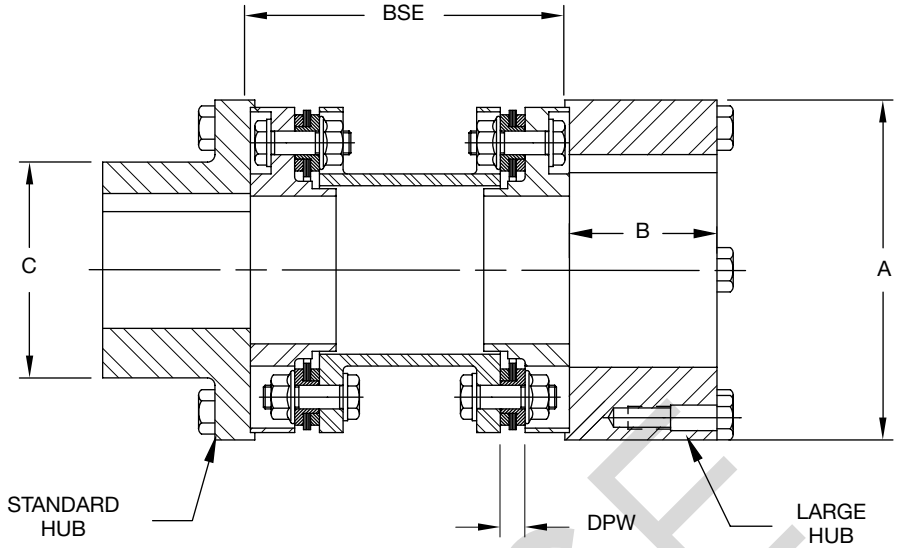
94	DISC	STD HUB	9MM
Coupling Size:	Coupling Type	STD = Standard Hub	Bore Size:
94		LG = Large Hub	MM
115			INCH
139			RSB
165			
193			
210			
236			
263			
286			
310			

DISC COUPLING SPACER CENTER ASSEMBLY NOMENCLATURE

94	DISC	CTR ASSY	-	3 INCH BSE
Coupling Size:	Coupling Type	Spacer Center Assembly		Between Shaft Ends dimension:
94				MM
115				INCH
139				
165				
193				
210				
236				
263				
286				
310				

SELECTION/DIMENSIONS

Disc Couplings



Dimensions (in)

Coupling Size	A	B	C	DPW
94	3.70	1.57	2.36	0.295
115	4.53	1.97	2.87	0.331
139	5.47	2.36	3.74	0.331
165	6.50	2.76	4.41	0.441
193	7.60	3.15	5.28	0.551
210	8.27	3.54	5.67	0.610
236	9.29	3.94	6.30	0.689
263	10.35	4.53	6.89	0.807
286	11.26	4.92	7.68	0.835
310	12.20	5.31	8.40	0.961

Ratings (Imperial Units)

Coupling Size	Max Bore		Torque			Max RPM		Axial Misalignment (in) (4)	Angular Misalignment (5)	Weight (lbs) (3)
	Standard Hub (in)	Large Hub (in)	HP/100	Nominal (in.-lbs.)	Peak (in.-lbs.)	Standard (1)	Balanced (2)			
94	1.68	2.25	3.33	2100	4200	9100	22700	0.059	1.5°	8
115	2.06	2.94	8.09	5100	10200	7200	18000	0.083		12
139	2.69	3.56	15.39	9700	19500	5840	14600	0.102		22
165	3.13	4.13	28.08	17700	35400	4920	12300	0.122		40
193	3.75	4.94	46.33	29200	58400	4200	10500	0.146		62
210	4.06	5.38	64.58	40700	81400	3840	9600	0.150	1.0°	84
236	4.50	5.94	98.37	62000	123900	3400	8500	0.165		121
263	4.94	6.63	143.28	90,300	180600	3080	7700	0.185		159
286	5.50	7.31	199.44	125700	251400	2800	7000	0.205		223
310	6.13	7.88	280.84	177000	354000	2560	6400	0.224		293

Notes:

(1) Coupling operational speed must be equal to or less than the allowable speed that is limited by the weight and critical speed of the spacer.
(2) Standard Dodge Disc couplings will meet the maximum speed listed in the “Standard” column. Speed capabilities listed in the “Balanced” column require special balancing by Dodge.
(3) Weight of complete coupling at maximum bores.
(4) Axial misalignment for two disc packs.
(5) Angular misalignment for one disc pack.
(6) Anti-corrosive options including Black Oxide, Zinc or Manganese Phosphating, Electroless Nickel, and Stainless Steel are available upon request.
(7) Standard BSE’s are listed on page 9

Disc Couplings

Dodge Disc Coupling Inch and Metric Spacer Center Assembly Part Numbers

Complete Dodge Disc Coupling Consists of:
Quantity two hubs (standard or large) and quantity one spacer center assembly

BSE Distance		Pump Standard	Coupling Size									
(mm)	(inch)		94	115	139	165	193	210	236	263	286	310
76	3.00	ANSI	138452									
79	3.10	ANSI	138453	138458								
89	3.50	ANSI	138454	138459	138463							
100	3.94	ISO	138482	138484	138487							
111	4.38	ANSI	138455	138460	138464	138467						
127	5.00	ANSI	138456	138461	138465	138468	138471					
140	5.51	ISO	138483	138485	138488	138490	138493	138496				
178	7.00	ANSI	138457	138462	138466	138469	138472	138475	138477			
180	7.09	ISO		138486	138489	138491	138494	138497				
229	9.00	ANSI				138470	138473	138476	138478	138480	138481	138503
250	9.84	ISO				138492	138495	138498	138499	138500	138501	138502

Note: (1) In addition to the listed standard between shaft end (BSE) dimensions, spacer center assemblies with custom BSE dimensions are available upon request.

EASY SELECTION

DODGE®

Disc Couplings

Dodge Disc Coupling Inch Bore Hub Part Numbers

Complete Dodge Disc Coupling Consists of:
Quantity two hubs (standard or large) and quantity one spacer center assembly

Size Inch Bore (in)	94		115		139		165		193	
	Standard Hub	Large Hub	Standard Hub	Large Hub	Standard Hub	Large Hub	Standard Hub	Large Hub	Standard Hub	Large Hub
Reborable	138000	138020	138023	138046	138051	138076	138081	138103	138106	138129
1/2	138225									
5/8	138226									
3/4	138227									
7/8	138228		138240							
15/16	138229		138241							
1	138230		138242		138258		138284			
1 1/8	138231		138243		138259		138285			
1 3/16	138232		138244		138260		138286			
1 1/4	138233		138245		138261		138287		138313	
1 3/8	138234		138246		138262		138288		138314	
1 7/16	138235		138247		138263		138289		138315	
1 1/2	138236		138248		138264		138290		138316	
1 5/8	138237		138249		138265		138291		138317	
1 11/16			138250		138266		138292		138318	
1 3/4			138251		138267		138293		138319	
1 7/8			138252		138268		138294		138320	
1 15/16			138253		138269		138295		138321	
2			138254		138270		138296		138322	
2 1/8		138239		138255	138271		138297		138323	
2 3/16					138272		138298		138324	
2 1/4					138273		138299		138325	
2 3/8				138256	138274		138300		138326	
2 7/16					138275		138301		138327	
2 1/2					138276		138302		138328	
2 5/8					138277		138303		138329	
2 11/16					138278		138304		138330	
2 3/4							138305		138331	
2 7/8				138257		138280	138306		138332	
2 15/16						138281	138307		138333	
3						138282	138308		138334	
3 1/8							138309		138335	
3 1/4									138336	
3 3/8						138283		138312	138337	
3 7/16									138338	
3 1/2									138339	
3 5/8									138340	
3 3/4									138341	
3 7/8										
3 15/16										
4										
4 3/8										
4 3/4										

Unless otherwise specified, all Dodge Disc Couplings are interference fit per AGMA 9002.
See page ___ for additional details

DODGE®

Disc Couplings

Dodge Disc Coupling Inch Bore Hub Part Numbers

Complete Dodge Disc Coupling Consists of:
Quantity two hubs (standard or large) and quantity one spacer center assembly

Size Inch Bore (in)	210		236		263		286		310	
	Standard Hub	Large Hub	Standard Hub	Large Hub	Standard Hub	Large Hub	Standard Hub	Large Hub	Standard Hub	Large Hub
Reborable	138130	138154	138155	138178	138179	138200	138201	138221	138223	138224
1/2										
5/8										
3/4										
7/8										
15/16										
1										
1 1/8										
1 3/16										
1 1/4	138345									
1 3/8	138346									
1 7/16	138347									
1 1/2	138348									
1 5/8	138349									
1 11/16	138350									
1 3/4	138351		138380		138409					
1 7/8	138352		138381		138410					
1 15/16	138353		138382		138411					
2	138354		138383		138412		138439			
2 1/8	138355		138384		138413		138440			
2 3/16	138356		138385		138414		138441			
2 1/4	138357		138386		138415		138442			
2 3/8	138358		138387		138416		138443			
2 7/16	138359		138388		138417		138444			
2 1/2	138360		138389		138418		138445			
2 5/8	138361		138390		138419		138446			
2 11/16	138362		138391		138420		138447			
2 3/4	138363		138392		138421		138448			
2 7/8	138364		138393		138422		138449			
2 15/16	138365		138394		138423		138450			
3	138366		138395		138424		138451			
3 1/8	138367		138396		138425					
3 1/4	138368		138397		138426					
3 3/8	138369		138398		138427					
3 7/16	138370		138399		138428					
3 1/2	138371		138400		138429					
3 5/8	138372		138401		138430					
3 3/4	138373		138402		138431					
3 7/8	138374		138403		138432					
3 15/16	138375		138404		138433					
4	138376		138405		138434					
4 3/8			138406		138435					
4 3/4					138436					

Unless otherwise specified, all Dodge Disc Couplings are interference fit per AGMA 9002.
See page ___ for additional details

FEATURES/BENEFITS PAGE PT1-53	SPECIFICATION/HOW TO ORDER PAGE PT1-60	MODIFICATION/ACCESSORIES PAGE PT1-79	ENGINEERING/TECHNICAL PAGE PT1-81

EASY SELECTION

DODGE®

Disc Couplings

Dodge Disc Coupling Metric Bore Hub Part Numbers

Complete Dodge Disc Coupling Consists of:
Quantity two hubs (standard or large) and quantity one spacer center assembly

Size	94		115		139		165		193		210	
Metric Bore (mm)	Standard Hub	Large Hub	Standard Hub	Large Hub	Standard Hub	Large Hub	Standard Hub	Large Hub	Standard Hub	Large Hub	Standard Hub	Large Hub
Reborable	138000	138020	138023	138046	138051	138076	138081	138103	138106	138129	138130	138154
9	138001		138024									
11	138002		138025									
12	138003		138026									
14	138004		138027		138052							
16	138005		138028		138053							
17	138006		138029		138054							
18	138007		138030		138055							
19	138008		138031		138056							
20	138009		138032		138057							
22	138010		138033		138058							
24	138011		138034		138059		138082					
25	138012		138035		138060		138083					
28	138013		138036		138061		138084		138107			
30	138014		138037		138062		138085		138108		138131	
32	138015		138038		138063		138086		138109		138132	
35	138016		138039		138064		138087		138110		138133	
38	138017		138040		138065		138088		138111		138134	
40	138018		138041		138066		138089		138112		138135	
42	138019		138042		138067		138090		138113		138136	
45			138043		138068		138091		138114		138137	
48		138022	138044		138069		138092		138115		138138	
50			138045		138070		138093		138116		138139	
55				138048	138071		138094		138117		138140	
56					138072		138095		138118		138141	
60				138049	138073		138096		138119		138142	
63					138074		138097		138120		138143	
65				138050	138075		138098		138121		138144	
70							138099		138122		138145	
71							138100		138123		138146	
75						138079	138101		138124		138147	
80						138080	138102		138125		138148	
85									138126		138149	
90									138127		138150	
95									138128		138151	
100											138152	
105											138153	
110												
120												
125												
130												

Unless otherwise specified, all Dodge Disc Couplings are supplied with interference fits per ISO R775.
See page ___ for additional details

DODGE®

Disc Couplings

Dodge Disc Coupling Metric Bore Hub Part Numbers

Complete Dodge Disc Coupling Consists of:
Quantity two hubs (standard or large) and quantity one spacer center assembly

Size Metric Bore (mm)	236		263		286		310	
	Standard Hub	Large Hub	Standard Hub	Large Hub	Standard Hub	Large Hub	Standard Hub	Large Hub
Reborable	138155	138178	138179	138200	138201	138221	138223	138224
9								
11								
12								
14								
16								
17								
18								
19								
20								
22								
24								
25								
28								
30								
32								
35	138156							
38	138157							
40	138158							
42	138159							
45	138160		138180					
48	138161		138181					
50	138162		138182		138202			
55	138163		138183		138203			
56	138164		138184		138204			
60	138165		138185		138205			
63	138166		138186		138206			
65	138167		138187		138207			
70	138168		138188		138208			
71	138169		138189		138209			
75	138170		138190		138210			
80	138171		138191		138211			
85	138172		138192		138212			
90	138173		138193		138213			
95	138174		138194		138214			
100	138175		138195		138215			
105	138176		138196		138216			
110	138177		138197		138217			
120			138198		138218			
125			138199		138219			
130					138220			

Unless otherwise specified, all Dodge Disc Couplings are supplied with interference fits per ISO R775.
See page ___ for additional details

NEW PRODUCT

DODGE Moment Couplings

DODGE Moment Couplings are specifically designed to make the rigid connection between the output shaft of a gearbox and an overhung driven load, commonly a head pulley. Highly engineered to meet the most rigorous application requirements, these couplings are capable of handling both the required application torque and the bending moment forces of the suspended weight of a drive package, including the gearbox, motor, high-speed coupling, and swing base.

Moment Coupling hubs are designed to maximize the bore range of the driver and driven shafts. The male and female hubs are manufactured from 4140 alloy steel and are assembled with Grade 8 bolts. Suitable for a wide range of applications, DODGE Moment Couplings span a torque range of 100,000 to 920,000 inch-pounds and may be used in DODGE MagnaGear packages and in other operations.

Information needed from the customer for DODGE engineering to select the appropriate Moment Coupling for an application:

- Horse Power / Torque / Speed Requirements
- Driver and Driven Shaft Sizes
- Overhung Load
- Length of Lever Arm
- Application Specifics: Type of Operation; Required Stops and Starts; Shock Loads and Vibration

For more information on Couplings contact your authorized DODGE distributor or log onto www.baldor.com.

FEATURES/BENEFITS

Chain Couplings

DODGE Chain Couplings offer a simple, widely accepted and inexpensive way to couple two shafts. They are interchangeable with industry standard dimensions. DODGE Chain Couplings can be provided with TAPER-LOCK bushed hubs, finished bore or reboreable flanges. Chain coupling covers and chain assemblies are also available from stock.

Low Operating Cost
- Long service life
- Inexpensive initial investment
- Economical replacement costs

Broad Product Line
- Six popular TAPER-LOCK coupling sizes
- Eleven popular straight bore sizes
- Stocked covers available for higher speeds

Shaft Attachment Flexibility
- TAPER-LOCK bushings
- Slip fit with setscrews
- Interference fit

High Torque Capability
- Hardened tooth sprockets
- ANSI standard double width roller chain

Compact Design
- All metallic components
- Excellent torque to bore compatibility

NOTE: Instruction manual for Chain Couplings and TAPER-LOCK Bushings available on www.baldor.com

SPECIFICATION/HOW TO ORDER/NOMENCLATURE

DODGE®

Chain Couplings

SPECIFICATION

Chain Couplings transmit torque through two hubs with hardened sprocket teeth and a double width roller chain. The chain is wrapped around the sprocket and connected with a link or pin for easy installation or removal. The Chain Coupling allows for misalignment through the clearances between chain and sprocket teeth. The coupling allows 2° angular misalignment,.015" parallel misalignment and up to.300" shaft end float. The temperature range is -30°F to +225°F.

The coupling hubs have optional methods of attachment to the shaft including but not limited to: clearance fit, interference fit or TAPER-LOCK bushings. Clearance fits and interference fits are supplied with an industry standard keyway. Clearance fits are supplied with one set screw over the keyway.

Aluminum covers with elastomeric seals contain lubricant and protect the chain and teeth in an abrasive or corrosive atmosphere.

HOW TO ORDER

Standard couplings consist of:

(2) Flanges

(1) Chain Assembly

(1) Cover (check RPM requirements on page PT1-68)

NOMENCLATURE

FB 60 18

FB = Finished Bore
B = Reborable
Blank = TAPER-LOCK

Chain Size

Number of Teeth

Chain Couplings

Basic Size No.	Max. Bore			Max. RPM		*HP Ratings at Various RPM 1.0 Service Factor									
	TAPER-LOCK	Finished Bore	Reborable	Without Covers	With Covers	10	20	40	60	80	100	150	200	250	300
4012	..	3/4	7/8	875	5000	0.22	0.43	0.86	1.29	1.72	2.15	2.83	3.43	4.03	4.57
4016	1-1/8	1-1/8	1-5/16	875	5000	0.38	0.77	1.53	2.30	3.06	3.83	5.02	6.06	7.14	8.08
5012	...	1-1/8	1-1/8	875	...	40	0.81	1.61	2.42	3.23	4.03	5.30	6.39	7.57	8.57
5016	...	1-5/8	1-11/16	800	4000	0.73	1.46	2.93	4.39	5.86	7.32	9.60	11.7	13.7	15.5
5018	1-11/16	...	2	800	4000	0.95	1.89	3.79	5.68	7.57	9.47	12.4	15.0	17.7	20.0
6018	...	2-7/16	2-7/16	675	3000	1.73	3.46	6.92	10.4	13.8	17.3	22.9	27.6	32.5	36.8
6020	2-1/8	...	2-3/4	675	3000	2.25	4.50	9.01	13.5	18.0	22.5	29.6	35.6	42.0	47.6
8018	...	2-7/8	3-1/8	500	2000	3.86	7.72	15.4	23.2	30.9	38.6	50.8	61.4	72.3	81.5
8020	3-1/4	...	3-9/16	500	2000	5.03	10.1	20.1	30.2	40.3	50.3	66.1	79.7	94.0	106.0
10020	3-15/16	...	4-5/8	450	1800	8.68	17.4	34.7	52.1	69.4	86.8	115.0	139.0	162.0	184.0
12018	...	...	4-11/16	400	...	13.7	27.3	54.6	82.0	109.0	137.0	178.0	217.0	253.0	288.0
12020	4-7/16	...	...	400	1600	16.8	33.6	67.2	101.0	134.0	168.0	218.0	264.0	308.0	350.0

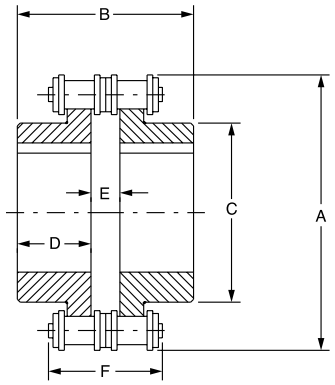
* TAPER-LOCK Bushings are not recommended below 250 RPM

Basic Size No.	Max. Bore			Max. RPM		HP Ratings at Various RPM 1.0 Service Factor									
	TAPER-LOCK	Finished Bore	Reborable	Without Covers	With Covers	350	400	500	600	800	1000	1200	1400	160	1800
4012	..	3/4	7/8	875	5000	5.10	5.57	6.55	7.56	9.42	11.3	13.1	14.9	16.6	18.2
4016	1-1/8	1-1/8	1-5/16	875	5000	9.04	9.89	11.6	13.4	16.7	20.1	23.0	26.3	29.3	32.7
5012	...	1-1/8	1-1/8	875	...	9.41	10.42	12.2	14.1	17.5	21.0	...	...	..	...
5016	...	1-5/8	1-11/16	800	4000	17.3	18.9	22.3	25.7	32.0	38.3	44.5	50.4	56.2	61.9
5018	1-11/16	...	2	800	4000	22.4	24.5	28.8	33.1	41.4	49.7	56.8	65.1	72.6	80.9
6018	...	2-7/16	2-7/16	675	3000	41.2	44.9	53.0	60.9	75.9	90.7	105.0	120.0	134.0	147.0
6020	2-1/8	...	2-3/4	675	3000	53.2	58.2	68.5	78.8	98.5	118.0	135.0	155.0	173.0	192.0
8018	...	2-7/8	3-1/8	500	2000	91.5	99.8	118.0	135.0	169.0	202.0	234.0	266.0	297.0	326.0
8020	3-1/4	...	3-9/16	500	2000	119.0	130.0	153.0	176.0	220.0	264.0	302.0	346.0	386.0	430.0
10020	3-15/16	...	4-5/8	450	1800	205.0	225.0	265.0	305.0	380.0	454.0	527.0	598.0	667.0	734.0
12018	...	...	4-11/16	400	...	322.0	355.0	...	...	...	...	...	...		
12020	4-7/16	...	...	400	1600	391.0	432.0	510.0	585.0	708.0	877.0	1003.0	1135.0	1273.0	....

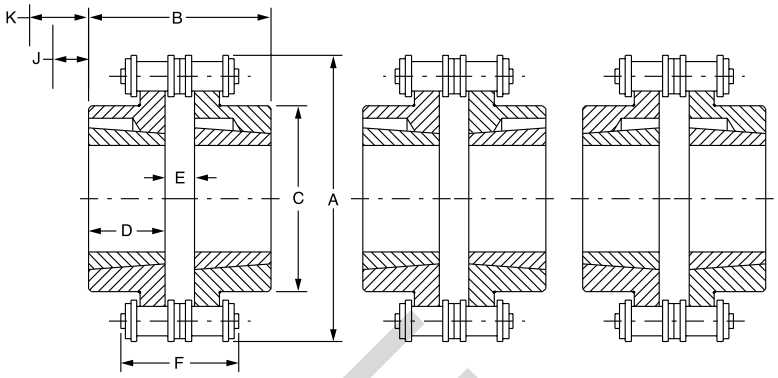
SELECTION/DIMENSIONS

Chain Couplings

STANDARD, STRAIGHT BORE AND TAPER-LOCK - FLANGES DIMENSIONS, RATINGS



STRAIGHT BORE CHAIN COUPLING



TAPER-LOCK CHAIN COUPLING

Ratings

Coupling Size	Straight Bore		TAPER-LOCK		Max. RPM		Weight (lbs.) (1)	
	Min.	Max.	Min.	Max.	Without Cover	With Cover	Str.	TL
4012	1/2	7/8	---	---	875	5000	2.20	---
4016	5/8	1-5/16	1/2	1-1/8	875	5000	3.80	2.70
5012	5/8	1-1/8	---	---	875	---	3.10	---
5016	5/8	1-11/16	---	---	800	4000	5.00	---
5018	3/4	2	1/2	1-11/16	800	4000	6.00	6.00
6018	1	2-7/16	---	---	675	3000	9.90	---
6020	1-1/8	2-3/4	1/2	2-1/8	675	3000	12.25	12.70
8018	1-1/8	3-1/8	--	---	500	2000	31.10	---
8020	1-1/2	3-9/16	7/8	3-1/4	500	2000	33.50	31.10
10020	1-1/2	4-5/8	1-3/16	3-15/16	450	1800	80.00	77.90
12018	2	4-11/16	---	---	400	---	110.00	---
12020	---	---	1-7/16	4-7/16	400	1600	---	135.00

Dimensions

Coupling Size	A	B		C	D		E		K (2)	J (3)
		Str.	T-L		Str.	T-L	Str.	T-L		
4012	2.41	2.53	---	1.41	1.13	---	0.28	---	---	---
4016	3.03	2.53	2.04	1.97	1.13	0.88	0.28	0.28	0.75	0.63
5012	3.00	2.88	---	1.75	1.25	---	0.38	---	---	---
5016	3.91	3.25	---	2.50	1.44	---	0.38	---	---	---
5018	4.19	3.75	2.38	2.97	1.69	1.00	0.38	0.38	1.06	0.81
6018	5.00	4.23	---	3.50	1.88	---	0.47	---	---	---
6020	5.50	4.47	2.94	3.88	2.00	1.25	0.47	0.47	1.38	0.94
8018	666	5.35	---	4.56	2.38	---	0.59	---	---	---
8020	7.30	5.85	4.59	5.38	2.63	2.00	0.59	0.59	2.06	1.19
10020	9.13	6.97	7.63	6.72	3.13	3.50	0.72	0.72	2.34	1.31
12018	10.00	7.88	---	6.75	3.50	---	0.86	---	---	---
12020	10.94	---	8.75	7.75	---	4.00	---	0.86	3.38	1.63

(1) Weight of complete coupling with cover at maximum bore (5012 & 12018 are without cover).

(2) Space required to loosen bushing with shortened hex key.

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SELECTION/DIMENSIONS

Chain Couplings

TAPER-LOCK, Reborable, Finished Bore Flanges - Part Number

Bore (in.)	Coupling Size											
	4012	4016	5012	5016	5018	6018	6020	8018	8020	10020	12018	12020
Chain Assembly	100480	100490	100489	100481	100491	100482	100492	100483	100493	100495	100497	100496
TL-H	---	• 099049	---	---	• 099053	---	• 099055	---	• 099057	• 099061	---	• 099063
TL-F	---	• 099048	---	---	• 099052	---	• 099054	---	• 099056	• 099060	---	• 099062
Bushing	---	1108	---	---	1610	---	2012	---	3020	3535	---	4040
Reborable	• 099190	• 099151	• 099150	• 099152	• 099161	• 099153	• 099162	• 099154	• 099163	• 099164	• 099226	
Finished Bore Hubs 1/2"	• 099100											
5/8"	• 099101	• 099138										
3/4"	• 099102	• 099103	• 099132	• 099141	• 099193							
7/8"		• 099104	• 099133	• 099107	• 099194							
15/16"		• 099139	• 099134									
1"		• 099105	• 099135	• 099108	• 099195	• 099142						
1-1/8"		• 099106	• 099136	• 099109	• 099196	• 099143	• 099209	• 099146				
1-3/16"		• 099191		• 099192	• 099197	• 099206						
1-1/4"		• 099140		• 099110	• 099198	• 099115	• 099210					
1-3/8"				• 099111	• 099199	• 099116						
1-7/16"				• 099112	• 099200	• 099117						
1-1/2"				• 099113	• 099201	• 099118	• 099211		• 099219			
1-5/8"				• 099114	• 099202	• 099119						
1-3/4"					• 099203	• 099120	• 099212	• 099147				
1-7/8"					• 099204	• 099121						
1-15/16"					• 099205	• 099122	• 099213	• 099125				
2"						• 099123		099126				
2-1/8"						• 099124	• 099214	• 099127				
2-3/16"						• 099207			• 099220			
2-1/4"						• 099208						
2-3/8"						• 099144	• 099215	• 099128				
2-7/16"						• 099145	• 099216	• 099129	• 099221			
2-5/8"							• 099217	• 099130				
2-11/16"									• 099222			
2-7/8"								• 099131				
2-15/16"								• 099218	• 099223			
3-1/8												
3-3/8									• 099224			
3-7/16									• 099225			

• Stock Sizes

Complete coupling consists of:

(2) Hubs, TAPER-LOCK, straight bore, or reborable
(1) Chain Assembly
(1) Cover Assembly (if required)

NOTE: For TAPER-LOCK designs, TAPER-LOCK bushings must be ordered separately

SELECTION/DIMENSIONS

Chain Couplings

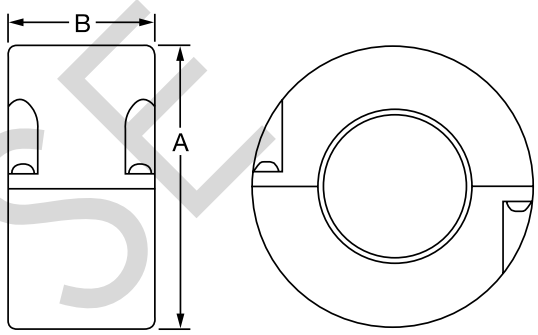
CHAIN COUPLING COVERS

Chain coupling covers are recommended for use when couplings are operating under abrasive or moist conditions, or when coupling speeds exceed the RPM listed in the table below.

Cover should be filled with a roller bearing grease of soft or medium consistency. This provides excellent lubrication and substantially increases coupling life.

Chain Coupling Cover Recommendation

Coupling Size	Cover required when Coupling RPM exceeds this figure
4012	875
4016	875
5016	800
5018	800
6018	675
6020	675
8018	500
8020	500
10020	450
12020	400



Chain Coupling Cover Assemblies ▲

For Coupling Size	Cover Size	Part No.	Wt. (lbs.)	A	B
4012 4016	40	**099026**	1.0	4.00	2.00
5016 5018	50	**099027**	1.3	5.13	2.38
6018 6020	60	**099028**	2.6	6.38	2.94
8018 8020	80	**099029**	5.1	8.19	4.00
10020	100	**099024**	12.2	10.13	5.25
12020	120	**099025**	19.5	12.25	6.13

▲ **Consists of (2) cover halves and screws; (4) seals for cover sizes 4012/4016 thru 8012/8020; (2) seals for cover sizes 10020 and 12020; and (2) cover gaskets.**

DODGE®

POLY-DISC

SPECIFICATION

POLY-DISC Couplings are a pin type coupling using a molded polyurethane disc. The physical properties of the disc allow for the cushioning of shock loads and the resistance to most common chemicals such as acids, alkalis and petroleum products. The disc has an operating range of -90°F to +170°F.

The flexible disc is captured through metallic pins, utilizing a light press fit over the pins to prevent the accumulation of abrasive particles between the disc and pins. The pin holes are barreled to allow 2° angular misalignment and the flexible disc allows 1/32" parallel misalignment. The disc has spacer buttons to achieve automatic flange spacing which speeds up installation. Both flanges are machined all over and are taper bored to receive TAPER-LOCK bushings to permit quick and easy installation and removal on shafts of equal or different diameters.

HOW TO ORDER

Consists of:

(2) TAPER-LOCK Flanges
(2) TAPER-LOCK Bushings
(1) POLY-DISC Element

NOMENCLATURE

3-1/4 - H

Size — (O.D. of Coupling)

Type of T-L Flange
H-Bushing instals from hub side
F-Bushing installs from flange size

NOTE: Instruction manuals for POLY-DISC Couplings available on www.baldor.com

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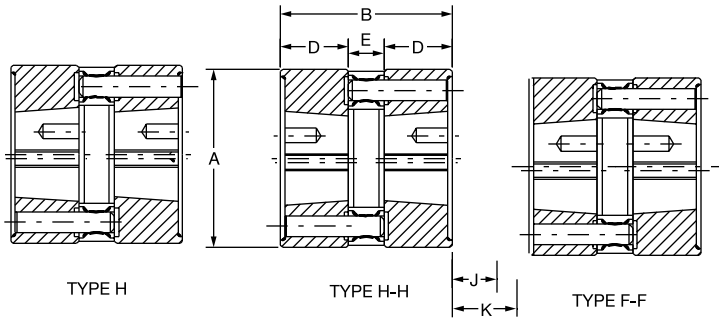
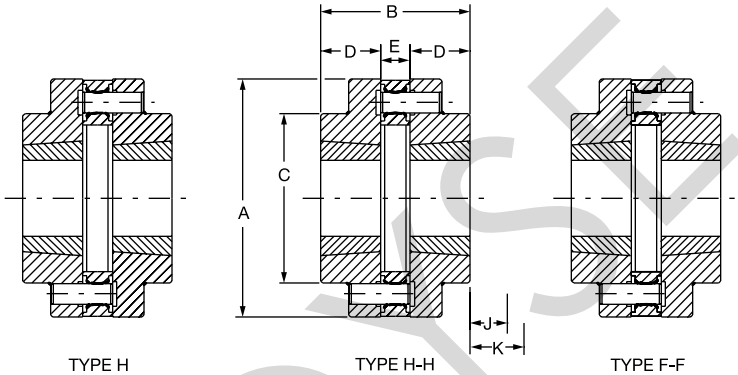
SPECIFICATION/HOW TO ORDER NOMENCLATURE

DODGE®

POLY-DISC

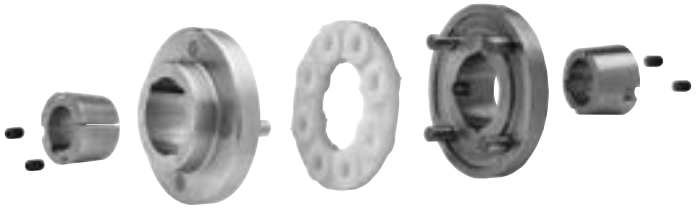


SIZE 2-5/8 & 3-1/4



SIZES 4 THRU 10

Coupling Size	TL Bushing Size	Min. Bore	Max. Bore	HP/100	Torque (In-Lb)	Max. RPM	A	B	C	D	E	J	K	Weight (Lbs.)	Inertia (Lb-Ft²)	Holes In disc
2-5/8	1008	1/2	1	0.29	180	3600	2.63	2.56	2.63	1.00	0.69	0.63	0.75	2.50	2.30	6
3-1/4	1210	1/2	1-1/4	0.57	360	3600	3.25	2.88	3.25	1.13	0.75	0.81	1.06	4.15	6.20	6
4	1215	1/2	1-1/4	0.95	600	3600	4.00	3.63	2.63	1.50	0.63	0.81	1.06	5.80	10.00	8
5-1/4	1615	1/2	1-11/16	2.29	1440	3600	5.25	3.75	3.25	1.50	0.75	0.81	1.06	12.10	34.40	8
7	2517	1/2	2-11/16	4.6	2900	3000	7.00	4.38	4.97	1.75	0.88	1.00	1.63	25.90	141.20	10
8	2517	1/2	2-11/16	10	6300	2400	8.00	4.63	5.00	1.75	1.13	1.00	1.63	34.10	246.70	12
10	3030	15/16	3-1/4	17.26	10900	2000	10.00	7.5	6.00	3.00	1.50	1.31	2.69	77.70	866.00	12



POLY-DISC Part Numbers

Coupling Size	TL Bushing Size	T-L Flanges		Disc
		Type H	Type F	
2-5/8	1008	**008057**	**008058**	**008030**
3-1/4	1210	**008059**	**008060**	**008031**
4	1215	**008041**	**008040**	**008032**
5-1/4	1615	**008043**	**008042**	**008033**
7	2517	**008045**	**008044**	**008034**
8	2517	**008047**	**008046**	**008035**
10	3030	**008049**	**008048**	**008036**

Complete coupling consists of:

- **(2) TAPER-LOCK Flanges**
- **(2) TAPER-LOCK Bushings**
- **(1) POLY-DISC Element**

NOTE: TAPER-LOCK bushings ordered separately. Refer to Bushing section PT6-15

DODGE®

RIGID COUPLINGS

TAPER-LOCK Rigid

TAPER-LOCK RIGID SPECIFICATION

Rigid Couplings provide a connection between two perfectly aligned shafts. Flanged Rigid Couplings consist of two flanges joined by bolts and are taper bored for TAPER-LOCK bushings to connect shafts of the same or different diameters.

HOW TO ORDER

TAPER-LOCK consist of:
(1) Male Flange Assembly
(1) Female Flange

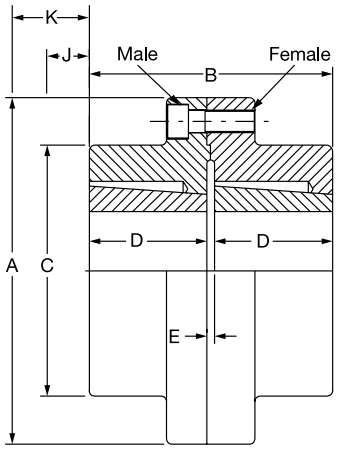
NOMENCLATURE

T-L Rigid R 35
Size
(Designated size of TAPER-LOCK Bushing)

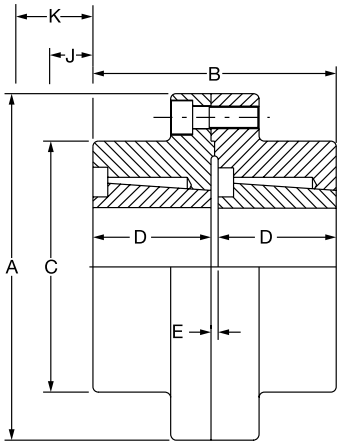
NOTE: Instruction manuals for TAPER-LOCK Bushings available on www.baldor.com

SELECTION/DIMENSIONS

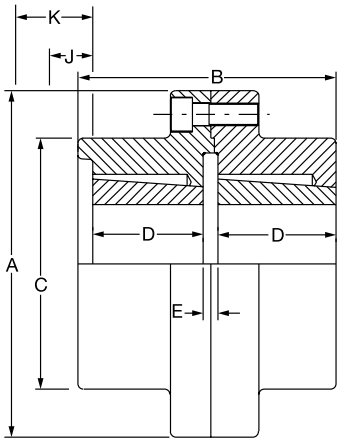
TAPER-LOCK RIGID



R16 TO R30



R35 TO R50



R60

Size	Bushing Size	Min. Bore	Max. Bore	HP/100	Torque (In Lb)**	Max. RPM	A	B	C	D	E	J*	K†	Weight (Lbs.)
R16	1615	1/2	1-11/16	8.0	5,050	4965	5.00	3.25	3.25	1.50	0.25	0.81	1.06	8.00
R25	2517	1/2	2-11/16	29.2	18,400	3545	7.00	3.75	5.00	1.75	0.25	1.00	1.63	19.10
R30	3030	15/16	3-1/4	50.5	31,800	2920	8.50	6.25	5.75	3.00	0.25	1.19	2.06	38.10
R35	3535	1-3/16	3-15/16	80.0	50,500	2545	9.75	7.25	7.00	3.50	0.25	1.31	2.69	62.20
R40	4040	1-7/16	4-7/16	120	75,500	2115	11.75	8.25	8.50	4.00	0.25	1.63	3.38	105.60
R45	4545	1-15/16	4-15/16	170	107,000	1910	13.00	9.25	9.50	4.50	0.25	1.94	4.06	146.70
R50	5050	2-7/16	5-5/16	233	147,000	1740	14.25	10.25	10.50	5.00	0.25	2.31	4.81	194.40
R60	6050	3-7/16	6	404	254,500	1240	20.00	13.25	16.00	5.00	1.75	1.63	4.38	526.70

* Space required to tighten bushing with shortened hex key in bushings 1615 through 5050. 6050 uses standard wrench. Also space required to loosen screws to permit removal of hub by a puller

† Space required to loosen bushing using screws as jack screws-no puller required. Use shortened hex key for bushing 1615 through 5050. 6050 uses standard wrench

** Ratings are based on uniform, non-reversing type loads. For more severe conditions, consult DODGE

TL Rigid couplings are capable of accommodating keyless locking devices for use with non-keyed shafting. Please contact DODGE for further details.

NOTE: Instruction manuals for TAPER-LOCK Rigid Couplings and TAPER-LOCK Bushings available on www.baldor.com

TAPER-LOCK Rigid Part Numbers

Coupling Size	Bushing Size	Standard		Stainless Steel*	
		Male Flange Assembly	Female Flange	Male Flange Assembly	Female Flange
R16	1615	**003001**	**003002**	**394157**	**394158**
R25	2517	**003003**	**003004**	**424453**	**424452**
R30	3030	**003005**	**003006**	**424490**	**424491**
R35	3535	**003007**	**003008**	**394455**	**393340**
R40	4040	**003009**	**003010**	**394032**	**394035**
R45	4545	**003011**	**003012**	**395635**	**395634**
R50	5050	**003013**	**003014**	**395637**	**395636**
R60	6050	**003015**	**003016**	**395639**	**395638**

Complete coupling consists of:

(1) Male Flange Assembly

(1) Female Flange

(2) TL Bushings

*** Stainless Steel TL Rigid couplings include zinc coated hardware.**

Hardware supplied with male flange

Available in reverse mount

NOTE: TAPER-LOCK bushings ordered separately.

Refer to bushing section PT6-16

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DODGE®

Rigid Couplings

RIBBED RIGID

RIBBED RIGID SPECIFICATION

Rigid Couplings provide a connection between two perfectly aligned shafts. Ribbed Rigid Couplings are axially split to clamp on shafts of the same diameter and held together by bolts. The coupling uses one key over the entire length and permits quick and easy installation and removal.

HOW TO ORDER

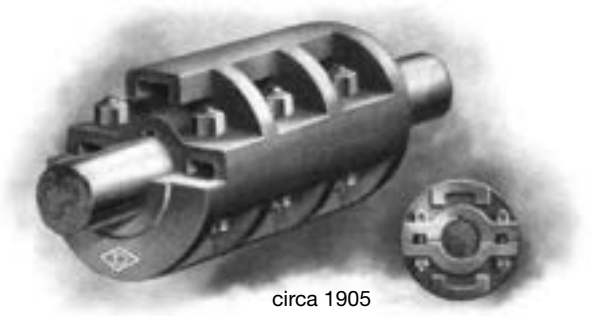
TAPER-LOCK consist of:
(1) Ribbed Rigid Coupling Assembly
(Complete, by bore size)

NOMENCLATURE

Ribbed Rigid 2-3/4
Bore Size of Coupling

SELECTION/DIMENSIONS

Ribbed Rigid



circa 1905

"Grim Death" Compression Coupling as presented in the 1905 Dodge Catalog, is an original Dodge design. "Grim Death" is a substantial safety coupling adapted to any class of service, and complies with all legal requirements as to safety by having bolt heads and nuts protected. "Grim Death" coupling is finished and polished on periphery and faced on ends.

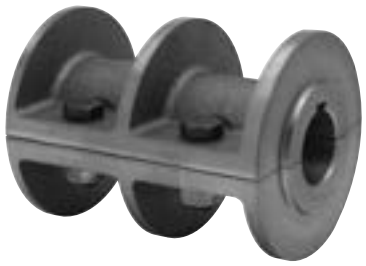


Figure 1
Today's Ribbed Rigid Coupling

For Nominal Shaft of:	Style Cplg. Figure no.	Part Number	Max RPM	Torque (In-Lb)	Weight	Coupling Dia x Length	Keyway Size	Key Furnished	Bolts No.	Bolts Dia.
1	1	**009001**	5360	1200	6.0					
1-3/16	1	**009002**	5360	2000	5.5	3-5/8 x 5-1/4	1/4 x 1/8	1/4 x 1/4 x 5-1/4	4	3/8
1-1/4	1	**009003**	5360	2300	5.2					
1-3/8	1	**009004**	4130	3100	11.0	4-5/8 x 6-3/16	5/16 x 5/32	5/16 x 5/16 x 6-3/16	4	1/2
1-7/16	1	**009005**	4130	3500	10.5	4-5/8 x 6-3/16	3/8 x 3/16	3/8 x 3/8 x 6-3/16	4	1/2
1-1/2	1	**009006**	4130	4000	10.2					
1-11/16	1	**009007**	3965	5700	13.7	4-13/16 x 7-1/16	3/8 x 3/16	3/8 x 3/8 x 7-1/16	4	1/2
1-3/4	1	**009008**	3965	6300	13.3					
1-7/8		**009009**	3635	7800	19.4				4	1/2
1-15/16	★	**009010**	3635	8600	20.6	5-1/4 x 7-15/16	1/2 x 1/4	1/2 x 1/2 x 7-15/16		
2		**009011**	3635	9400	20.0					
2-3/16	★	**009013**	3180	12400	29.1	6 x 8-5/8	1/2 x 1/4	1/2 x 1/2 x 8-5/8	4	5/8
2-1/4		**009012**	3180	13400	29.0					
2-7/16	2	**009015**	2965	17100	37.3	6-7/16 x 9-11/16	5/8 x 5/16	5/8 x 5/8 x 9-11/16	6	5/8
2-1/2	2	**009016**	2965	18400	36.6					
2-11/16	2	**009017**	2830	22900	43.4	6-3/4 x 10-9/16	5/8 x 5/16	5/8 x 5/8 x 10-9/16	6	5/8
2-3/4	2	**009014**	2830	24500	43.0					
2-15/16	2	**009019**	2545	29900	58.7	7-1/2 x 11-3/8	3/4 x 3/8	3/4 x 3/4 x 11-3/8	6	3/4
3	2	**009020** ✻	2545	31800	56.2					
3-3/16	2	**009022**	2315	38200	80.5	8-1/4 x 12-1/4	3/4 x 3/8	3/4 x 3/4 x 12-1/4	6	7/8
3-1/4	2	**009021** ✻	2315	40500	80.0	8-1/4 x 12-1/4	3/4 x 3/8	3/4 x 3/4 x 12-1/4	6	7/8
3-7/16	2	**009023**	2165	47900	94.6	8-13/16 x 13-3/16	7/8 x 7/16	7/8 x 7/8 x 13-3/16	6	7/8
3-1/2	2	**009024** ✻	2165	50500	94.0	8-13/16 x 13-3/16	7/8 x 7/16	7/8 x 7/8 x 13-3/16	6	7/8
3-15/16	2	**009025**	1900	72000	146.6	10-1/16 x 15-1/4	1 x 1/2	1 x 1 x 15-1/4	6	1
4	2	**009027** ✻	1900	75400	146.0	10-1/16 x 15-1/4	1 x 1/2	1 x 1 x 15-1/4	6	1
4-7/16	3	**009026**	1775	103000	215.0	10-3/4 x 18-3/16	1 x 1/2	1 x 1 x 18-3/16	6	1-1/8
4-1/2	3	**009031** ✻	1775	107400	214.4	10-3/4 x 18-3/16	1 x 1/2	1 x 1 x 18-3/16	6	1-1/8
4-15/16	3	**009028**	1625	142000	276.3	11-3/4 x 19-5/8	1-1/4 x 5/8	1-1/4 x 1-1/4 x 19-5/8	6	1-1/8
5	3	**009043** ✻	1625	147500	275.6	11-3/4 x 19-5/8	1-1/4 x 5/8	1-1/4 x 1-1/4 x 19-5/8	6	1-1/8
5-7/16	4	**009029**	1390	190000	426.2	13-3/4 x 20-3/8	1-1/4 x 5/8	1-1/4 x 1-1/4 x 20-3/8	8	1-1/8
5-1/2	4	**009050** ✻	1390	196000	425.4	13-3/4 x 20-3/8	1-1/4 x 5/8	1-1/4 x 1-1/4 x 20-3/8	8	1-1/8
5-15/16	3	**009042** ✻	1365	247000	426.0	14 x 20-3/4	1-1/2 x 3/4	1-1/2 x 1-1/2 x 20-3/4	6	1-1/4
6	3	**009054** ✻	1365	255000	425.3	14 x 20-3/4	1-1/2 x 3/4	1-1/2 x 1-1/2 x 20-3/4	6	1-1/4
7	4	**009044** ✻	1230	404000	560.8	15-1/2 x 21-15/16	1-3/4 x 3/4	1-3/4 x 1-1/2 x	8	1-1/4

★ Same as Fig. 1 except with a rib parallel to the bore between each pair of flanges

✻ Standard non-stock size. Consult DODGE Engineering for delivery

Note: Coupled shafts must be the same diameters

NOTE: Instruction manuals for Ribbed Rigid Couplings available on www.baldor.com

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DODGE®

PARA-FLEX Elements - Part Numbers

Element Size	Standard	Neoprene (1)	Cordless (2)	Weight (Lbs)
	Part No.	Part No.	Part No.	
PX40	**011529**	**012455**	**012456**	0.3
PX50	**011105**	**011296**	**011285**	0.7
PX60	**011106**	**011297**	**011286**	1.2
PX70	**011107**	**011298**	**011287**	1.6
PX80	**011108**	**011299**	**011288**	2.2
PX90	**011109**	**011300**	**011289**	2.6
PX100	**011110**	**011301**	**011290**	2.5
PX110	**011111**	**011302**	---	3.0
PX120	**011112**	**011303**	**011292**	4.8
PX140	**011114**	**011304**	---	5.6
PX160	**011117**	**011305**	---	9.1
PX200	**011120**	**011306**	---	20.8
PX240	**011124**	**011312**	---	27.0
PX280	**011457**	**011313**	---	45.0
PX320	**011463**	**011315**	---	80.0

(1) Neoprene element ratings are the same as the standard natural rubber element ratings. (Green sticker or painted mark)

(2) Cordless elements have an average static torsional stiffness 25% of the standard element and approximately 25% of the torque rating. (White sticker or painted mark)

High Speed/Flywheel Elements			
Element Size	Standard Part No.	Neoprene Part No. (1)	Weight (lbs)
PH87	**011227**	**011266**	1.20
PH96	**011228**	**011267**	1.80
PH116	**011230**	**011268**	2.00
PH131	**011231**	**011269**	3.50
PH172	**011234**	**011270**	7.50
PH192	**011236**	**011271**	9.30
PH213	**011239**	**011272**	13.90
PH252	**011242**	**011273**	27.00

(1) Neoprene element ratings are the same as the standard natural rubber element ratings. (Green sticker or painted mark)

Elastomer Compatibility

Ratings: 1- Minor Effect 2-Moderate Effect 3-Severe Effect nd-No Data

Substance	Nat. Rubber	Neo-prene	EPDM	Hytrel	Substance	Nat. Rubber	Neo-prene	EPDM	Hytrel
Acetic Acids	2	1	1	1	Hydrobromic Acid (40%)	1	2	1	nd
Acetic Anhydride	2	1	2	nd	Kerosene	3	2	3	nd
Alcohols, Monohydric	2	1	2	nd	Lacquers	3	3	3	2
Ammonia Anhydrous	3	1	1	nd	Lead Sufamate	2	1	1	nd
ASTM A Oils	3	1	1	1	Mineral Oil	3	2	2	1
Animal Fats	3	2	2	nd	Naphtha	3	2	3	1
Benzene	3	3	3	2	Nickel Chloride	1	2	1	nd
Carbonic Acid	3	2	2	nd	Nitric Acid (10%)	1	2	2	2
Calcium Bisulfite	2	1	3	nd	Ozone	3	2	1	nd
Chloracetone	2	2	1	2	Petroleum (<250°F)	3	2	3	nd
Chloroacetic Acid	2	1	1	nd	Potassium Dichromate	2	1	1	nd
Copper Sulphate	2	1	1	1	Salt Water	1	2	1	1
Corn Oil	2	2	2	nd	Silicone Oils	1	1	1	1
Diesel Oil	3	2	3	1	Sulfuric Acid (Conc.)	3	3	3	3
Fuel Oil	3	2	3	1	Vinegar	2	1	1	nd
Gasoline	2	2	3	1	Zinc Sulfate	2	1	1	nd

MODIFICATIONS/ ACCESSORIES

DODGE®

GRID-LIGN Replacement Grids, Covers, and Seals - Part Numbers

Coupling Size	Grid	T10 Cover Assembly	T10 Seal Kit	T20 Cover Assembly	T20 Seal Kit
1020T	**006275**	**006250**	**006805**	**006260**	**006815**
1030T	**006276**	**006251**	**006806**	**006261**	**006816**
1040T	**006277**	**006252**	**006807**	**006262**	**006817**
1050T	**006278**	**006253**	**006808**	**006263**	**006818**
1060T	**006279**	**006254**	**006809**	**006264**	**006819**
1070T	**006280**	**006255**	**006810**	**006265**	**006820**
1080T	**006281**	**006256**	**006811**	**006266**	**006821**
1090T	**006282**	**006257**	**006812**	**006267**	**006822**
1100T	**006283**	**006258**	**006813**	**006268**	**006823**
1110T	**006284**	**006259**	**006814**	**006269**	**006824**
1120T	**007462**	**007471**	**007520**	**426672**	**007529**
1130T	**007463**	**007472**	**007521**	**426673**	**007530**
1140T	**007464**	**007473**	**007522**	**426674**	**007531**
1150T	**007465**	**007474**	**007523**	**007011**	**007532**
1160T	**007466**	**007475**	**007524**	**007012**	**007533**
1170T	**007467**	**007476**	**007525**	**007013**	**007534**
1180T	**007468**	**007477**	**007526**	**007014**	**007535**
1190T	**007469**	**007478**	**007527**	**007015**	**007536**
1200T	**007470**	**007479**	**007528**	**007016**	**007537**

Chain Coupling: Chain Assemblies And Covers - Part Numbers

Coupling Size	Chain Assembly	Chain Assembly Weight (Lbs.)	Cover Assembly (1)	Cover Assembly Weight (Lbs.)
4012	**100480**	.4	**099026**	1.0
4016	**100490**	.6	**099026**	1.0
5012	**100489**	.9	**N/A**	N/A
5016	**100481**	1.4	**099027**	1.3
5018	**100491**	1.4	**099027**	1.3
6018	**100482**	2.7	**099028**	2.6
6020	**100492**	2.7	**099028**	2.6
8018	**100483**	6.1	**099029**	5.1
8020	**100493**	6.1	**099029**	5.1
10020	**100495**	11.0	**099024**	12.2
12018	**100497**	20.0	**N/A**	N/A
12020	**100496**	20.0	**099025**	19.5

(1) Cover assemblies consist of cover halves, screws, seals, and cover gaskets.

PARA-FLEX Nickel Plated Screws

Flange Assembly Size	Screw Size (2)	Part Number	Number per Flange (3)
PX70, PX80	5/16-18X1-1/2	**411767**	5, 6
PX90, PX100	3/8-16X1-3/4	**411768**	6
PX120	1/2-13X2	**411770**	6
PX140	1/2-13X2-1/4	**411771**	8

(2) Nickel plated Grade 8 hex head cap screws. Screws not available from stock for PX140 with iron flanges. For sizes not listed, contact DODGE.

(3) 5 required for PX70; 6 for PX80.

NOTE: Product installation and maintenance instructions can be found at www.baldor.com

Selection Methods:

D-FLEX, PARA-FLEX, GRID-LIGN, GEAR, POWER-PLUS, POLY-DISC, & RIGID COUPLINGS

HP/100 METHOD

Step 1: Obtain required service factor from Service Factor Tables on pages PT1-83 and PT1-84.

Step 2: Determine the application HP per 100 RPM:

$$\text{HP / 100 RPM} = \frac{\text{Motor HP x 100 x Service Factor}}{\text{Coupling RPM}}$$

Step 3: From Rating Tables, find a rating equal to or greater than the HP/100 RPM. Note coupling size from left hand column.

Step 4: Check maximum RPM capability.

Step 5: Check maximum bore capacity. If maximum bore is exceeded, move to larger size with adequate bore-but be sure maximum RPM of coupling is not exceeded

Step 6: If the GT Adapter System is utilized then ensure the keyless torsional holding power exceeds the application demands. From the application tables listed on PT1-10 and PT1-11, ensure the **Maximum Adapter Torque** for the shaft size exceeds the application torque that was calculated in Step 2.

TORQUE METHOD:

Step 1: Obtain required service factor from Service Factor Tables on pages PT1-83 and PT1-84

Step 2: Determine torque required for application.

$$\text{Torque (In - lbs)} = \frac{63025 \text{ x HP x SF}}{\text{Coupling RPM}}$$

Step 3: From Rating Tables, find a rating equal to or greater than the torque. Note coupling size from left hand column.

Step 4: Check maximum RPM capability

Step 5: Check maximum bore capacity. If maximum bore is exceeded, move to larger size with adequate bore-but be sure maximum RPM of coupling is not exceeded

CHAIN COUPLINGS

DESIGN HP METHOD:

Step1: Obtain required service factor from Service Factory Tables on pages PT1-84 and PT1-85

Step 2: Determine application HP:
HP Design = HP x SF

Step 3: From rating tables, select appropriate coupling RPM column and find a rating equal to or greater than HP design. Note coupling size from left hand column.

Step 4: Check maximum RPM capability

Step 5: Check maximum bore capacity. If maximum bore is exceeded, move to larger size with adequate bore-but be sure maximum RPM of coupling is not exceeded.

NOTE: If spring set motor brake is used, and brake HP is greater than prime mover, use brake HP in place of motor HP.

NOTE: If system peak torque is known and is non-reversing, start at Step 3. If system peak torque is known and reversing, multiply by 2.0 and start at Step 3

NOTE: **Selection program “Couple” available on www.ptwizard.com**

ENGINEERING/ TECHNICAL

DODGE®

SERVICE FACTOR

Table 1

Application (Read Footnotes)	Factor Δ PARA -FLEX/ Poly-Disc	Grid Chain Rigid	D-FLEX	Gear	Power-Plus
AGITATORS					
Paddle or Propeller (Vert. or Horiz.)	1.00	1.00	1.25	1.00	1.25
Screw	1.00	1.00	1.25	1.00	1.25
BLOWERS					
Centrifugal	1.00	1.00	1.25	1.00	1.00
Lobe	1.50	1.25	1.50	1.25	1.50
Vane	1.00	1.25	1.25	1.25	1.25
BREWING & DISTILLING					
Bottling Machinery, Brew Kettle	1.00	1.00	1.25	1.00	1.00
Cooker (Continuous Duty)	1.00	1.00	1.25	1.00	1.25
Mash Tub	1.00	1.00	1.25	1.00	1.25
Scale Hopper-Frequent Starting Peaks	1.50	1.75	♦	1.75	1.75
CAN FILLING MACHINE	1.00	1.00	1.25	1.00	1.00
CAR DUMPER	1.50	2.50	2.00	2.50	2.00
CAR PULLER	1.50	1.50	1.50	1.50	1.50
CLARIFIER	1.00	1.00	1.25	1.00	1.25
CLASSIFIER	1.00	1.00	1.25	1.00	1.25
CLAY-WORKING MACHINES					
Brick Press, Briquette Mach., Clay Working Mach., Pug Mill	1.50	1.50	1.50	1.75	1.75
COMPRESSORS**					
Centrifugal. Lobe, Screw	1.00	1.00	1.25	1.00	1.00
Lobe, Rotary	2.00	1.25	2.00	1.25	1.50
Reciprocating					
1 cylinder - single acting	3.50	3.00	♦	3.00	3.50
1 cylinder - double acting	3.00	3.00	♦	3.00	3.00
2 cylinder- single acting	3.00	3.00	♦	3.00	3.00
2 cylinder - double acting	2.50	3.00	♦	3.00	2.50
3 cl. or more - single acting	2.50	3.00	♦	3.00	2.50
3 cl. or more - double acting	2.00	2.00	♦	2.00	2.00
CONVEYORS					
Apron, Assembly, Belt, Chain, Flight, Oven	1.00	1.00	1.25	1.00	1.25
Reciprocating	2.50	3.00	©	3.00	2.50
Screw	1.00	1.00	1.25	1.00	1.25
CRANES AND HOISTS					
Main Hoist-Medium Duty	1.50	1.75	1.50	1.75	1.75
Main Hoist-Heavy Duty	2.00	2.00	2.00	2.00	2.50
Skip Hoist, Travel Motion, Trolley	1.50	1.75	1.00	1.75	2.00
Motion, Slope	1.50	1.75	1.00	1.75	1.75
CRUSHERS					
Cane	2.00	2.00	2.00	2.00	2.00
Gyratory	2.50	2.50	♦	2.50	2.50

Application (Read Footnotes)	Factor Δ PARA -FLEX/ Poly-Disc	Grid Chain Rigid	D-FLEX	Gear	Power-Plus
DREDGES					
Cable Reel, Screen Drive, Stacker	1.50	1.75	1.50	1.75	1.75
Conveyor	1.50	1.75	1.50	1.25	1.75
Cutter Head Drive, Jig Drive	2.50	2.00	2.00	2.00	2.00
Pump, Utility Winch	1.50	1.75	1.50	1.50	1.75
DYNAMOMETER	1.00	1.00	1.25	1.00	1.00
ELEVATORS					
Bucket, Freight	2.00	1.25	2.00	1.25	2.00
EXCITER	1.00	1.00	1.25	1.00	1.00
FANS					
Centrifugal	1.00	1.00	1.25	1.00	1.00
Cooling Tower	2.00	2.00	2.00	2.00	2.00
Heavy Duty (Forced Draft)	1.50	1.50	2.00	1.50	1.50
Induced Draft	1.50	1.50	2.00	1.50	2.00
Light	1.00	1.00	1.25	1.00	1.00
Propeller Indoor	1.50	1.50	2.00	1.50	1.50
FOOD INDUSTRY					
Beet Slicer	1.50	1.75	1.50	1.75	1.75
Cereal Cooker	1.00	1.25	1.25	1.25	1.25
Dough Mixer, Meat Grinder	1.50	1.75	1.50	1.75	1.75
GENERATORS					
Even Load	1.00	1.00	1.25	1.00	1.00
Hoist or Railway Service	1.50	1.50	1.50	1.50	1.50
Welder Load	2.00	2.00	2.00	2.00	2.00
GRIZZLY	2.00	2.00	2.00	2.00	2.00
KILN	2.00	2.00	2.00	2.00	2.00
LAUNDRY MACHINES					
Tumbler Washer	2.00	2.00	2.00	2.00	2.00
LINE SHAFTS					
Driving Processing Machinery	1.00	1.50	1.25	1.50	1.50
Light	1.00	1.50	1.25	1.50	1.50
LUMBER INDUSTRY					
Band Resaw	1.50	1.50	1.50	1.50	1.50
Circular Resaw	1.50	1.50	1.50	1.75	1.50
Edger Head Rig, Hog, Log Haul	2.00	2.00	2.00	2.00	2.00
Planer	1.50	1.75	1.50	1.75	1.75
Rolls Non-Reversing	1.50	1.25	1.50	1.25	1.25
Rolls Reversing	2.00	2.00	2.00	2.00	2.00
Sawdust Conveyor	1.00	1.25	1.25	1.25	1.25
Slab Conveyor	1.50	1.75	1.50	1.75	1.50
Sorting Table	1.50	1.75	1.50	1.50	1.50
MACHINE TOOLS					
Auxiliary	1.00	1.00	1.25	1.00	1.00

Note: Selection program "Couple" available on www.ptwizard.com

SERVICE FACTOR

Table 1 (continued)

Application (Read Footnotes)	Factor Δ PARA -FLEX/ Poly-Disc	Grid Chain Rigid	D-FLEX	Gear	Power-Plus
MACHINE TOOLS (continued)					
Main Drive	1.50	1.75	1.50	1.50	1.75
Notching Press, Planer (Reversing), Plate Planer, Punch Press	1.50	1.75	1.50	1.75	1.75
Traverse	1.00	1.00	1.25	1.00	1.00
METAL FORMING MACHINES					
Draw Bench, Carriage, Main Drive, Extruder,	2.00	2.00	1.50	2.00	2.00
Wire Drawing, Flattening Machine	2.00	2.00	1.50	1.75	2.00
MILLS Rotary Type					
Ball or Pebble direct or	2.50	2.00	2.00	2.00	2.25
on LS Shaft Gear Reducer	2.50	2.00	2.00	2.00	2.25
on HS Shaft Gear Reducer	2.00	1.50	1.50	1.50	1.75
Dryer and Cooler	1.50	1.75	1.50	1.75	2.00
Rod or Tube direct or	2.50	2.00	2.00	2.00	2.25
on LS Shaft Gear Reducer	2.50	2.00	2.00	2.00	2.25
on HS Shaft Gear Reducer	2.00	1.50	1.50	1.50	1.75
Tumbling Barrel	1.50	1.75	2.00	1.75	1.75
MIXERS					
Concrete (Continuous or intermittent)	1.50	1.75	1.50	1.75	1.75
Muller-Simpson type	1.50	1.75	1.50	1.50	1.75
OIL INDUSTRY					
Chiller	1.00	1.25	1.25	1.25	1.25
Oil Well Pumping (Not over 150% peak torque	2.00	2.00	2.00	2.00	2.00
Paraffin Filter Press	1.50	1.50	1.50	1.50	1.50
PAPER MILLS					
Agitator	1.00	2.00	1.25	2.00	2.00
Barking Drum	2.50	2.50	2.00	2.50	2.25
Beater and Pulper	1.50	1.75	1.50	1.75	1.75
Bleacher	1.00	1.00	1.25	1.00	1.00
Calender	2.00	1.75	2.00	1.75	2.00
Chipper	3.00	2.50	2.00	2.50	2.50
Couch Cylinder Dryer	1.50	1.75	1.50	1.75	1.75
Felt Stretcher	1.00	1.25	1.25	1.25	1.25
Fourdrinier	1.50	1.75	1.50	1.75	1.75
Jordan	2.00	2.00	2.00	2.00	2.00
Press	2.00	1.75	1.50	1.75	1.75
Pulp Grinder	2.00	1.75	2.00	1.75	1.75
Stock Chest	1.50	1.50	1.50	1.50	1.50
Stock Pump					
Reciprocating	2.00	2.00	♦	2.00	2.00

Application (Read Footnotes)	Factor Δ PARA -FLEX/ Poly-Disc	Grid Chain Rigid	D-FLEX	Gear	Power-Plus
PAPER MILLS (continued					
Suction Roll	2.00	1.75	1.50	1.75	1.75
Winder	1.50	1.50	1.50	1.50	1.50
PARAFFIN FILTER PRESS	1.50	1.50	1.50	1.50	1.50
PRINTING PRESS	1.50	1.50	1.50	1.50	1.50
PROPELLER Marine	1.50	1.50	♦	1.50	1.50
PULLERS					
Barge Haul	2.50	2.00	2.00	1.50	2.00
PULVERIZERS					
Hammermill-Light Duty	1.50	1.50	1.50	1.50	1.50
Hammermill-Heavy Duty	2.00	1.75	2.00	1.75	1.75
Hog	2.00	1.75	2.00	1.75	1.75
Roller	1.50	1.50	1.50	1.50	1.50
PUMPS					
For Stock Pumps See Paper Mills					
Centrifugal	1.00	1.00	1.25	1.00	1.00
Descaling Gear Type	1.50	1.25	1.50	1.25	1.50
Oil Well Pumping (Not over 150% peak torque	2.00	2.00	2.00	2.00	2.00
Rotary -other than gear	1.50	1.25	1.50	1.25	1.50
Reciprocating					
1 cylinder-single acting	2.50	3.00	♦	3.00	2.25
1 cylinder-double acting	2.00	3.00	♦	3.00	2.00
2 cylinder-single acting	2.00	2.00	♦	2.00	2.25
2 cylinder-double acting	1.50	1.75	♦	1.75	2.00
3 cylinder or more	1.50	1.50	♦	1.50	1.75
RUBBER INDUSTRY					
Banbury Mixer	2.50	2.50	2.00	2.50	2.50
Calender	2.00	2.00	2.00	2.00	2.00
Cracker Mixing Mill Plasticator	2.50	2.50	2.00	2.50	2.50
Refiner, Sheeter	2.00	2.50	2.00	2.50	2.00
Tire-Building Machine	2.00	2.50	2.00	2.50	2.50
Tire and Tube Press Opener Based on Peak Torque	1.00	1.00	1.25	1.00	1.00
Tuber and Strainer	1.50	1.75	1.50	1.75	1.75
Warming Mill	2.00	2.00	2.00	2.00	2.00
Washer	2.50	2.50	2.00	2.50	2.50
SCREENS					
Air Washing	1.00	1.00	1.25	1.00	1.00
Coal and Sand Rotary	1.50	1.50	1.50	1.50	1.50
Vibrating	2.50	2.50	2.00	2.50	2.50
Water	1.00	1.00	1.25	1.00	1.25

Note: Selection program "Couple" available on www.ptwizard.com

SERVICE FACTOR

Table 1 (continued)

Application (Read Footnotes)	Factor Δ PARA -FLEX/ Poly-Disc	Grid Chain Rigid	D-FLEX	Gear	Power-Plus
SEWAGE DISPOSAL EQUIPMENT	1.00	1.00	1.25	1.00	1.25
SHOVEL	2.00	2.00	2.00	2.00	2.00
SHREDDER	1.50	1.50	1.50	1.50	1.50
STEEL INDUSTRY					
Cold Mills					
Coiler up or down	1.50	2.00	♦	1.50	2.00
Strip, Temper	2.00	2.00	♦	2.00	2.00
Hot Mills					
Coiler up or down	1.50	2.00	♦	1.50	2.00
Edger Drive	1.50	2.00	♦	1.50	2.00
Feed Roll Blooming	3.00	2.50	♦	3.00	3.50
Roughing Mill Delivery	3.00	2.50	♦	2.50	3.00
Non-reversing, Sheet Strip	3.00	2.50	♦	2.50	3.00
Rod Mill	2.50	2.50	♦	2.00	2.25
Soaking Pit Cover Drive Lift	3.00	1.50	♦	1.00	3.00
Soaking Pit Cover Drive Travel	3.00	1.50	♦	2.00	3.00

Application (Read Footnotes)	Factor Δ PARA -FLEX/ Poly-Disc	Grid Chain Rigid	D-FLEX	Gear	Power-Plus
STEERING GEAR	1.00	1.00	1.25	1.00	1.25
STOKER		1.00	1.25	1.00	1.25
TEXTILE MILLS					
Batcher	1.00	1.25	1.25	1.25	1.25
"Calender, Card Machine, D Can"	1.50	1.50	1.50	1.50	1.50
Dyeing Machine	1.00	1.25	1.25	1.25	1.25
Loom	1.50	1.50	1.50	1.50	1.50
Mangel, Napper, Soaper	1.00	1.25	1.25	1.25	1.25
Spinner, Tenter Frame	1.50	1.50	1.50	1.50	1.50
WINDLASS	1.50	1.50	1.50	1.50	1.50
WOODWORKING MACHINES	1.00	1.00	1.25	1.00	1.25

SYSTEM SERVICE FACTOR CALCULATION

To determine the system service factor, the driver service factor adder (Table 1A) must be added to the driven service factor. (Table 1) Example: Determine the system service factor for a PARA-FLEX coupling used to couple a barking drum and a six-cylinder diesel engine.

Driven S.F. + Driver S.F. Adder = System S.F.
2.5 +.5 = 3.0

Δ The service factors listed are intended only as a general guide. Where substantial shock occurs or starting and stopping is frequent as on some "inching" drives and on some reversing drives or where the power source is an internal combustion engine with less than four cylinders-Consult DODGE. Where torsional vibrations occur as in, for example, internal combustion engine or reciprocating compressor or pump applications, check the coupling stiffness for the possible development of damaging large-amplitude vibrations. A complete system torsional analysis may be necessary.

** Add 0.5 to factor if without flywheel

♦ CONSULT DODGE FOR SELECTION ASSISTANCE

Table 1A-Driver Service Factor Adders

Type of Coupling	Electric Motor Std. Torque	High Torque Motors	Turbines	Reciprocating Engine Number of Cylinders				
				12 or More	8 to 11	6 to 7	4 to 5	Less than 4
PARA-FLEX	0.00	0.00	0.00	0.00	0.50	0.50	0.50	♦
METALLIC	0.00	0.00	0.00	0.00	0.50	0.50	1.00	♦
D-FLEX	0.00	IF SF< 1.25 ADD 0.25 IF SF> 1.25 ADD 0.5	IF SF<1.5 SUBTRACT 0.25 IF SF> 1.5 SUBTRACT 0.5	IF SF< 1.25 ADD 0.25 IF SF> 1.25 ADD 0.5				♦ ♦

Note: Selection program "Couple" available on www.ptwizard.com

Comparative Table

Coupling Type	Misalignment		End Float
	Angular	Parallel	
PARA-FLEX (PX, PS) (1) (2)	4°	.125"	± 0.156"
PARA-FLEX (PH, PF)	1°	0.0625"	± 0.094"
GRID-LIGN	1/2°	0.012"	0.375"
CHAIN	2°	.015"	0.300"
POLY-DISC	2°	0.032"	
POWERPLUS	Please refer to instruction manual #MN4025 on www.baldor.com		

(1) PX40 is 4° Angular /.06" Parallel/ ±.094" End Float

(2) PX110 is 4° Angular/0.125" Parallel/±.125" End Float

Temperature Range

Coupling Type	°F
PARA-FLEX	
PX, PS	-45°F (1) to +180°F(1)
PH, PF	-45°F (1) to +180°F(1)
D-FLEX	
EPDM	-30°F to +275°F
NEOPRENE	0°F to +200°F
HYTREL	-65°F to +250°F
GRID-LIGN	-35°F to +210°F
CHAIN	-30°F to +225°F
GEAR	-30°F to +250°F
POLY-DISC	-90°F to +170°F
NYLIGN	0°F to +170°F
POWERPLUS	-22°F to 176°F

(1) -40°F to +210°F for neoprene element.

D-Flex Misalignment (1)

Size	Types JE, JN, E & N			Types H & HS (4)		
	Parallel (1)	Angular (2)	End Float (3)	Parallel (1)	Angular (2)	End Float (3)
3	0.010	1°	± 0.030	-	-	-
4	0.010	1°	± 0.030	-	-	-
5	0.015	1°	± 0.046	-	-	-
6	0.015	1°	± 0.060	.010	1/4°	± 0.060
7	0.020	1°	± 0.060	.012	1/4°	± 0.060
8	0.020	1°	± 0.096	.015	1/4°	± 0.096
9	0.025	1°	± 0.096	.017	1/4°	± 0.096
10	0.025	1°	± 0.125	.020	1/4°	± 0.125
11	0.032	1°	± 0.125	.022	1/4°	± 0.125
12	0.032	1°	± 0.125	.025	1/4°	± 0.125
13	0.040	1°	± 0.125	.030	1/4°	± 0.125
14	0.045	1°	± 0.125	.035	1/4°	± 0.125
16	0.062	1°	± 0.125	-	1/4°	-

NOTE: (1) All dimensions are in inches
(2) Values are for when 1/4 or more of the rated torque is transmitted. Reduce values by 50% for lower torques
(3) Increase E dimension by this amount to accommodate end float.
(4) Types H & HS should not be used as direct replacements for EPDM or Neoprene sleeves

ENGINEERING/ TECHNICAL

DODGE®

PARA-FLEX Couplings Bolt Torque Information

Size	Standard				
	Clamp Ring Bolts (5) Torque (In.-Lbs.)			PS Shaft Hub Bolts (3)	
	No.	2-Piece Assy	3-Piece Assy	No.	Torque (In.-Lbs.)
PX40	4	130	130	4	130
PX50	5	130	130	4	180
PX60	5	290	290	5	180
PX70	5	290	290	5	180
PX80	6	290	290	5	300
PX90	6	480	480	6	300
PX100	6	480	480	6	300
PX110	6	480	480	6	300
PX120	6	1080	1080	6	720
PX140	8	1080	1080	5	720
PX160 (2)	8	2160	1150	6	1296
PX200	12	2160	2400	8	1296
PX240	12	3600	4020	-	-
PX280	14	4320	6600	-	-
PX320	16	4320	6600	-	-

(2) PX160 steel flanges have 10 clamp ring bolts

(3) SAE Grade 8

(5) SAE Grade 8. FB style couplings utilize class 10.9 metric clamping ring bolts

PARA-FLEX High Speed & Fly Wheel Bolt Torque Information (in-lb)

Size	For Flange (3)		For Bolt Ring (3)
	Iron Fig.	Steel Fig.	
87	290	290	180
96	290	290	300
116	480	480	360
131	480	480	420
172	1080	1150	600
192	2160	1150	780
213	2160	2160	840
252	3600	3600	2880

(3) SAE Grade 8

Torsional Stiffness

PARA-FLEX		HIGH SPEED PARA-FLEX	
Size	In-Lbs/Degree (4)	Size	In-Lbs/Degree (4)
PX40	120	PH 87	1000
PX50	224	PH 96	1190
PX60	414	PH 116	2182
PX70	544	PH 131	2566
PX80	876	PH 172	6737
PX90	1088	PH 192	13893
PX100	1530	PH 213	23143
PX110	2420	PH 252	39008
PX120	4014		
PX140	8296		
PX160	12,000		
PX200	29,000		
PX240	48,000		
PX280	98,000		
PX320	151,000		

(4) Values are nominal and may vary +/- 20%. To convert static values to approximate dynamic values, multiply the static values by 1.2

D-Flex Torsional Stiffness*

Size	EPDM & Neoprene (In-Lbs/radian)	Hytrel (In-Lbs/radian)
3	229	-
4	458	-
5	916	-
6	1,718	10,000
7	2,769	20,000
8	4,335	30,000
9	6,875	47,500
10	10,980	100,000
11	17,300	125,000
12	27,500	225,000
13	43,350	368,900
14	68,775	593,250
16	180,480	-

* Values shown are for an ambient temperature of 75°F

D-Flex Spacer Bolt Torques

Size	Shaft Hub Bolts (1)	
	Number	Torque Ft-Lbs
5SCH	4	4
6SCH	4	9
7SCH	4	9
8SCH	4	18
9SCH	4	31
10SCH	4	50
11SCH	4	75
12SCH	4	150
13SCH	4	150
14SCH	4	150

(1) SAE Grade 8

AGMA Class 1 Fits

Nom. Shaft Diameter (In.)			Bore Dimensions			
			Clearance		Interference	
			Nom. Shaft Dia. Less	Bore Tolerance	Nom. Shaft Dia. Less	Bore Tolerance
0	-	1-1/2	.000	+ .001 -.000	.001	+ .0005 -.000
1-1/2	-	2	.000	+ .001 -.000	.002	+ .001 -.000
2	-	3	.000	+ .0015 -.000	.002	+ .0015 -.000
3	-	4	.000	+ .0015 -.000	.003	+ .0015 -.000
4	-	5	.000	+ .002 -.000	.0035	+ .0015 -.000
5	-	6	.000	+ .002 -.000	.004	+ .0015 -.000

Standard Keyways

Keyway Bore Size			Width	For Sq. Key	For Rec. Key
7/16			3/32	3/64	. . .
1/2	-	9/16	1/8	1/16	. . .
5/8	-	7/8	3/16	3/32	. . .
15/16	-	1-1/4	1/4	1/8	. . .
1-5/16	-	1-3/8	5/16	5/32	. . .
1-7/16	-	1-3/4	3/8	3/16	1/8
1-13/16	-	2-1/4	1/2	1/4	3/16
2-5/16	-	2-3/4	5/8	5/16	7/32
2-13/16	-	3-1/4	3/4	3/8	1/4
3-5/16	-	3-3/4	7/8	7/16	5/16
3-13/16	-	4-1/2	1	1/2	3/8
4-9/16	-	5-1/2	1-1/4	5/8	7/16

Metric Bore Standard

MM Bore	MM Keyway Width	MM Hub Keyseat	MM Key
14	5	2.3	5x5
16	5	2.3	5x5
18	6	2.8	6X6
19	6	2.8	6X6
20	6	2.8	6X6
22	6	2.8	6X6
24	8	3.3	8X7
25	8	3.3	8X7
28	8	3.3	8X7
30	8	3.3	8X7
32	10	3.3	10X8
35	10	3.3	10X8
38	10	3.3	10X8
40	12	3.3	12X8
42	12	3.3	12X8
45	14	3.8	14X9
48	14	3.8	14X9
50	14	3.8	14X9
55	16	4.3	16X10
60	18	4.4	18X11
65	18	4.4	18X11
70 & 75	20	4.9	20X12
80 & 85	22	5.4	22X14
90	25	5.4	25X14
95	25	5.4	25X14
100	28	6.4	28X16

MM bore and keyway conform to ISO standard recommendation R773, for “FREE” fit

DODGE®

Rigid Couplings

RIBBED RIGID

RIBBED RIGID SPECIFICATION

Rigid Couplings provide a connection between two perfectly aligned shafts. Ribbed Rigid Couplings are axially split to clamp on shafts of the same diameter and held together by bolts. The coupling uses one key over the entire length and permits quick and easy installation and removal.

HOW TO ORDER

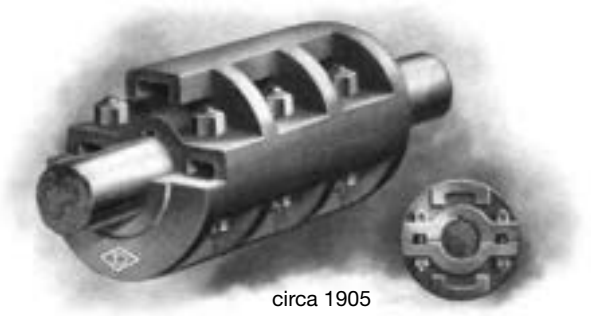
TAPER-LOCK consist of:
(1) Ribbed Rigid Coupling Assembly
(Complete, by bore size)

NOMENCLATURE

Ribbed Rigid 2-3/4
Bore Size of Coupling

SELECTION/DIMENSIONS

Ribbed Rigid



circa 1905

"Grim Death" Compression Coupling as presented in the 1905 Dodge Catalog, is an original Dodge design. "Grim Death" is a substantial safety coupling adapted to any class of service, and complies with all legal requirements as to safety by having bolt heads and nuts protected. "Grim Death" coupling is finished and polished on periphery and faced on ends.

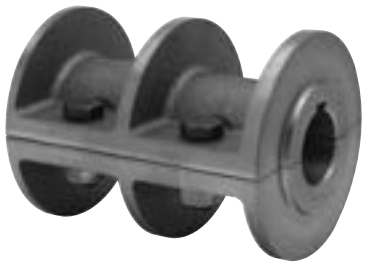


Figure 1
Today's Ribbed Rigid Coupling

For Nominal Shaft of:	Style Cplg. Figure no.	Part Number	Max RPM	Torque (In-Lb)	Weight	Coupling Dia x Length	Keyway Size	Key Furnished	Bolts No.	Bolts Dia.
1	1	**009001**	5360	1200	6.0					
1-3/16	1	**009002**	5360	2000	5.5	3-5/8 x 5-1/4	1/4 x 1/8	1/4 x 1/4 x 5-1/4	4	3/8
1-1/4	1	**009003**	5360	2300	5.2					
1-3/8	1	**009004**	4130	3100	11.0	4-5/8 x 6-3/16	5/16 x 5/32	5/16 x 5/16 x 6-3/16	4	1/2
1-7/16	1	**009005**	4130	3500	10.5	4-5/8 x 6-3/16	3/8 x 3/16	3/8 x 3/8 x 6-3/16	4	1/2
1-1/2	1	**009006**	4130	4000	10.2					
1-11/16	1	**009007**	3965	5700	13.7	4-13/16 x 7-1/16	3/8 x 3/16	3/8 x 3/8 x 7-1/16	4	1/2
1-3/4	1	**009008**	3965	6300	13.3					
1-7/8		**009009**	3635	7800	19.4				4	1/2
1-15/16	★	**009010**	3635	8600	20.6	5-1/4 x 7-15/16	1/2 x 1/4	1/2 x 1/2 x 7-15/16		
2		**009011**	3635	9400	20.0					
2-3/16	★	**009013**	3180	12400	29.1	6 x 8-5/8	1/2 x 1/4	1/2 x 1/2 x 8-5/8	4	5/8
2-1/4		**009012**	3180	13400	29.0					
2-7/16	2	**009015**	2965	17100	37.3	6-7/16 x 9-11/16	5/8 x 5/16	5/8 x 5/8 x 9-11/16	6	5/8
2-1/2	2	**009016**	2965	18400	36.6					
2-11/16	2	**009017**	2830	22900	43.4	6-3/4 x 10-9/16	5/8 x 5/16	5/8 x 5/8 x 10-9/16	6	5/8
2-3/4	2	**009014**	2830	24500	43.0					
2-15/16	2	**009019**	2545	29900	58.7	7-1/2 x 11-3/8	3/4 x 3/8	3/4 x 3/4 x 11-3/8	6	3/4
3	2	**009020** ✻	2545	31800	56.2					
3-3/16	2	**009022**	2315	38200	80.5	8-1/4 x 12-1/4	3/4 x 3/8	3/4 x 3/4 x 12-1/4	6	7/8
3-1/4	2	**009021** ✻	2315	40500	80.0	8-1/4 x 12-1/4	3/4 x 3/8	3/4 x 3/4 x 12-1/4	6	7/8
3-7/16	2	**009023**	2165	47900	94.6	8-13/16 x 13-3/16	7/8 x 7/16	7/8 x 7/8 x 13-3/16	6	7/8
3-1/2	2	**009024** ✻	2165	50500	94.0	8-13/16 x 13-3/16	7/8 x 7/16	7/8 x 7/8 x 13-3/16	6	7/8
3-15/16	2	**009025**	1900	72000	146.6	10-1/16 x 15-1/4	1 x 1/2	1 x 1 x 15-1/4	6	1
4	2	**009027** ✻	1900	75400	146.0	10-1/16 x 15-1/4	1 x 1/2	1 x 1 x 15-1/4	6	1
4-7/16	3	**009026**	1775	103000	215.0	10-3/4 x 18-3/16	1 x 1/2	1 x 1 x 18-3/16	6	1-1/8
4-1/2	3	**009031** ✻	1775	107400	214.4	10-3/4 x 18-3/16	1 x 1/2	1 x 1 x 18-3/16	6	1-1/8
4-15/16	3	**009028**	1625	142000	276.3	11-3/4 x 19-5/8	1-1/4 x 5/8	1-1/4 x 1-1/4 x 19-5/8	6	1-1/8
5	3	**009043** ✻	1625	147500	275.6	11-3/4 x 19-5/8	1-1/4 x 5/8	1-1/4 x 1-1/4 x 19-5/8	6	1-1/8
5-7/16	4	**009029**	1390	190000	426.2	13-3/4 x 20-3/8	1-1/4 x 5/8	1-1/4 x 1-1/4 x 20-3/8	8	1-1/8
5-1/2	4	**009050** ✻	1390	196000	425.4	13-3/4 x 20-3/8	1-1/4 x 5/8	1-1/4 x 1-1/4 x 20-3/8	8	1-1/8
5-15/16	3	**009042** ✻	1365	247000	426.0	14 x 20-3/4	1-1/2 x 3/4	1-1/2 x 1-1/2 x 20-3/4	6	1-1/4
6	3	**009054** ✻	1365	255000	425.3	14 x 20-3/4	1-1/2 x 3/4	1-1/2 x 1-1/2 x 20-3/4	6	1-1/4
7	4	**009044** ✻	1230	404000	560.8	15-1/2 x 21-15/16	1-3/4 x 3/4	1-3/4 x 1-1/2 x	8	1-1/4

★ Same as Fig. 1 except with a rib parallel to the bore between each pair of flanges

✻ Standard non-stock size. Consult DODGE Engineering for delivery

Note: Coupled shafts must be the same diameters

NOTE: Instruction manuals for Ribbed Rigid Couplings available on www.baldor.com

FEATURES/BENEFITS PAGE PT1-76	SPECIFICATION/HOW TO ORDER PAGE PT1-76	MODIFICATION/ACCESSORIES PAGE PT1-79	ENGINEERING/TECHNICAL PAGE PT1-81

MECHANICAL POWER TRANSMISSION

Raptor coupling

DODGE®

A better choice has arrived

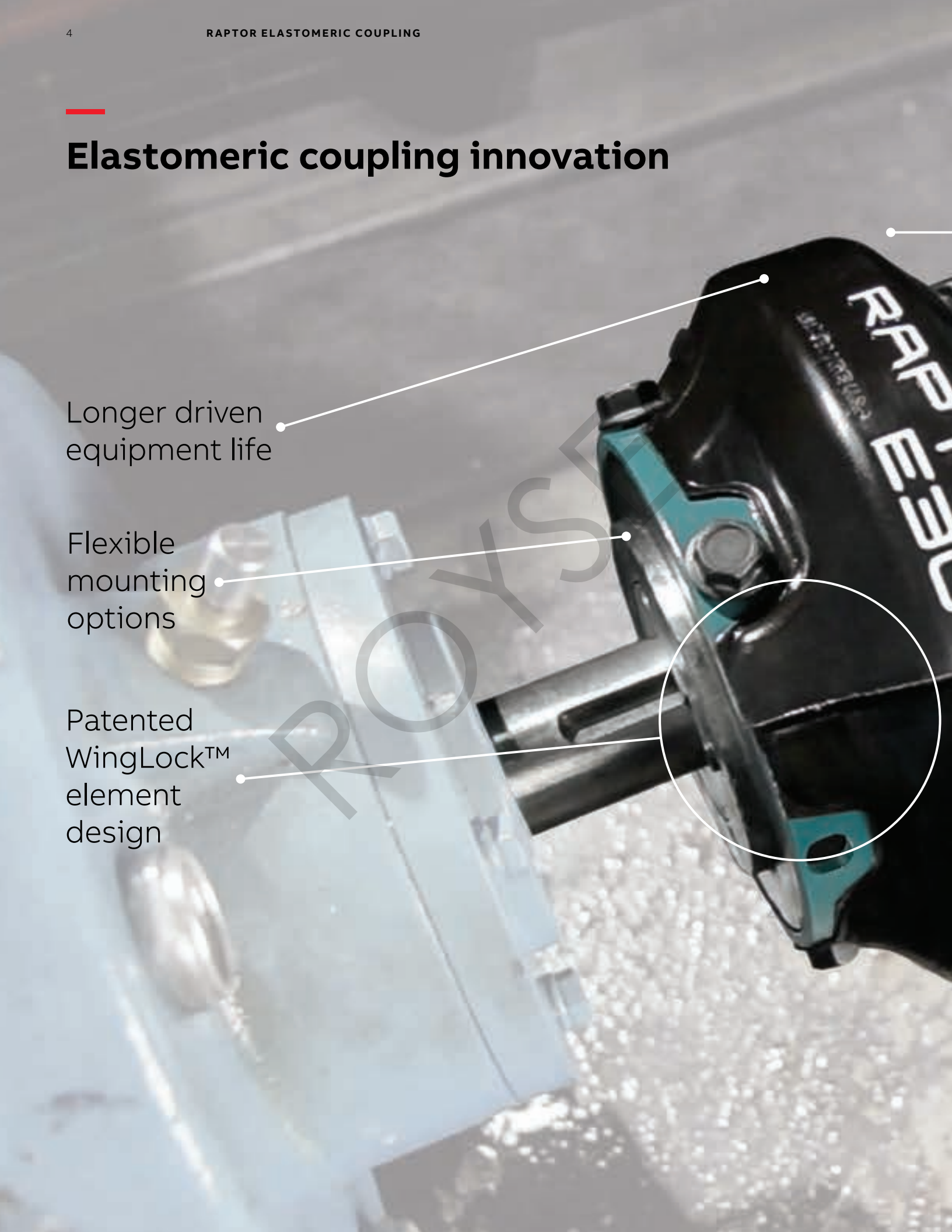
Coupling maintenance and reliability should not monopolize your maintenance team. The Dodge® Raptor elastomeric coupling eliminates these concerns.

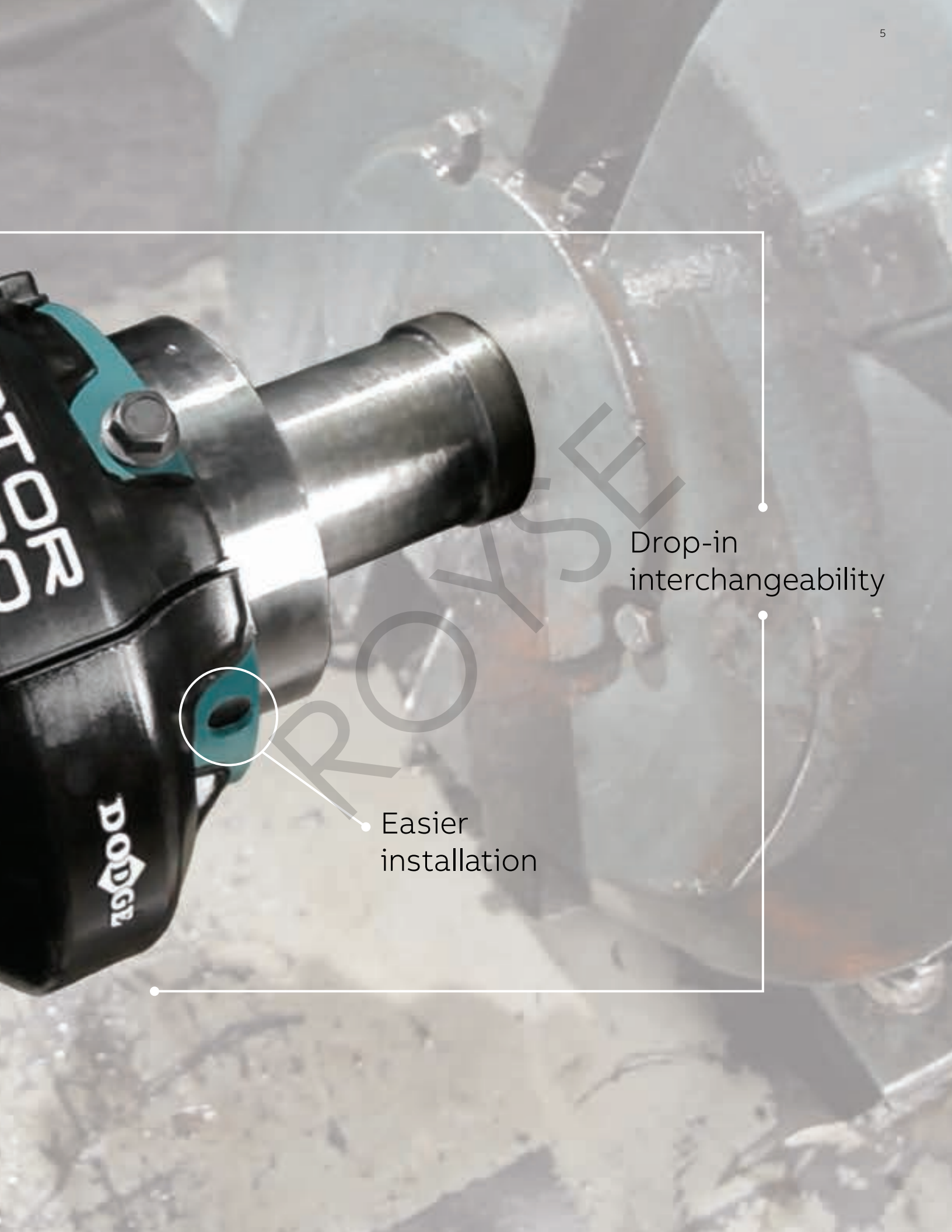
The Raptor's easy to assemble, patented split natural rubber element significantly decreases total costs of ownership and extends driven equipment life. Built for drop-in interchangeability, the Raptor features an innovative design offering easier installation, reduced maintenance, and improved reliability in a wide range of new and existing applications.

*Not actual size


RAPTOR
E30
MADE IN THE U.S.A.

Elastomeric coupling innovation

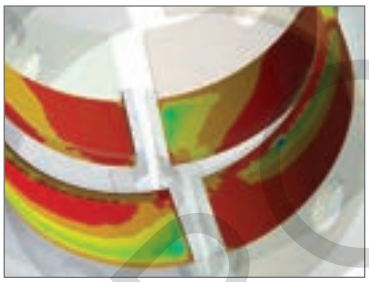




Designed and developed at Dodge
Patented WingLock element design

The Dodge Raptor utilizes a patented finite-element optimized winged elastomeric element design. This WingLock technology increases surface area in the most critical regions of the element, resulting in higher bond strength, improved fatigue resistance, and longer life versus competitive designs.

Dodge Raptor patented WingLock technology



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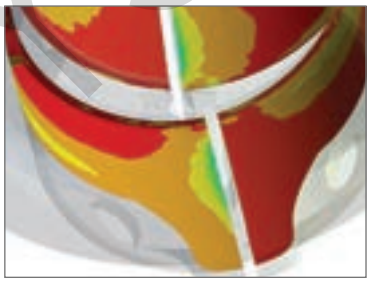
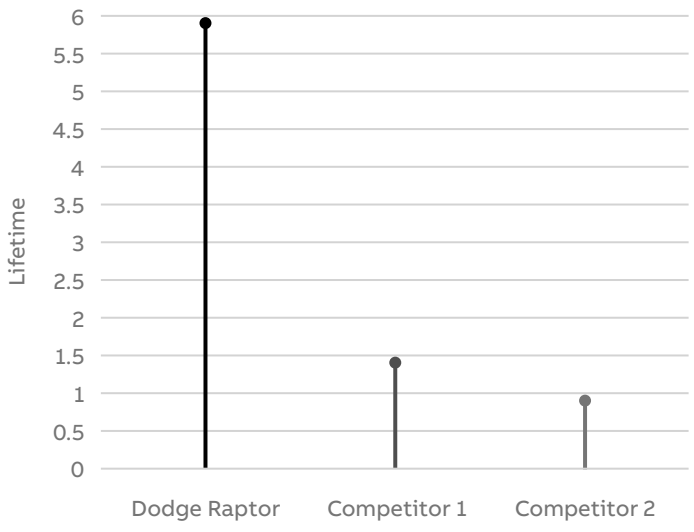


02

03

Documented performance



Comparative benchmark testing confirms the performance improvements associated with Raptor's WingLock element design. Even under worst-case misalignment and torque conditions, testing results show that Raptor lasts six times longer than the closest competitor.

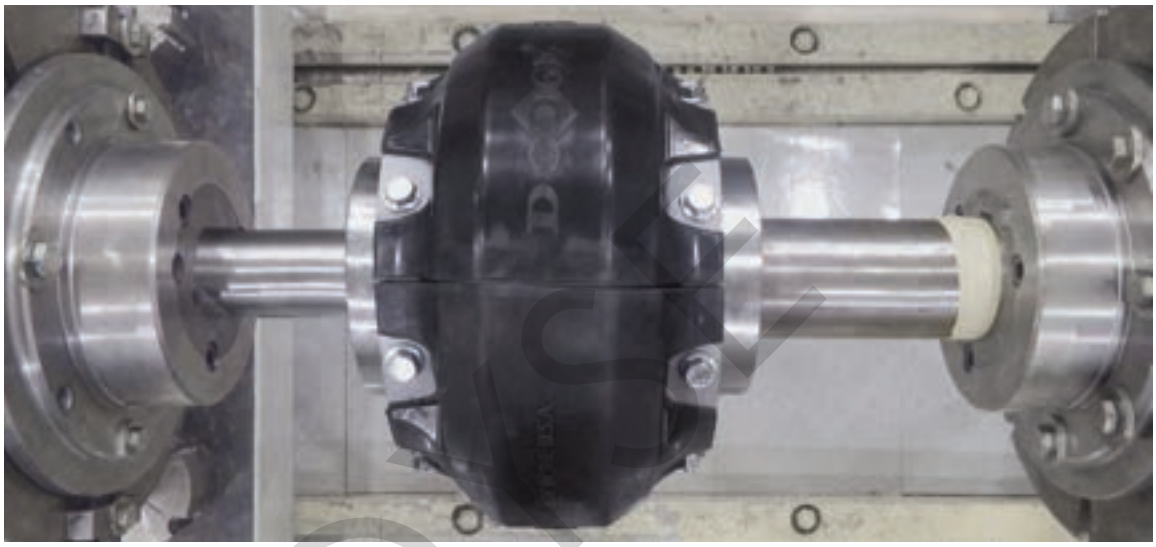
Results based on accelerated life testing at 1.5x cataloged torque, while subject to 4° angular misalignment and 3/16" (4.8mm) parallel misalignment.

01 Pressure at bond without WingLock technology

02 Pressure at bond with WingLock technology

03 Average life, Dodge Raptor versus competitors.

Tested tough
Engineers from Dodge's Advanced Development Laboratory designed and tested the Raptor to perform under the most extreme conditions. This includes successfully passing the rigorous DIN 740 (reverse cyclic loading) coupling test standard – not once, not twice, but ten times for a single coupling.



Easy to interchange
Designed to be a drop-in interchange, the Raptor meets or exceeds torque, bore, and speed ratings for these styles of commonly used couplings. All Raptor components can be used in existing applications without any modifications. This allows current users of these styles to immediately realize the benefit of longer driven equipment life and improved reliability by switching to the Raptor.

	Coupling size														
Dodge Raptor	E2	E3	E4	E5	E10	E20	E30	E40	E50	E60	E70	E80	E100	E120	E140
Rexnord Omega	E2	E3	E4	E5	E10	E20	E30	E40	E50	E60	E70	E80	E100	E120	E140
TB Wood's Dura-Flex	WE2	WE3	WE4	WE5	WE10	WE20	WE30	WE40	WE50	WE60	WE70	WE80	-	-	-

Industry leading 5-year warranty
With over 100 years of coupling manufacturing experience, Dodge has a history of providing reliable coupling solutions in a wide range of industries and applications. Raptor couplings carry an industry leading 5-year limited warranty, even when used with competitors' components.

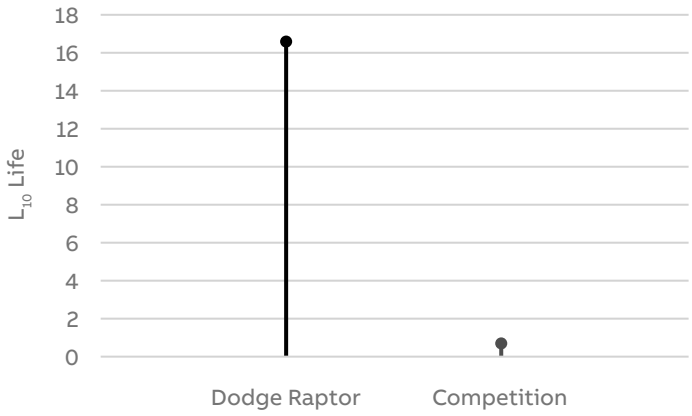
Longer driven equipment life and improved reliability

Superior natural rubber element
Leveraging over 50 years of Dodge's natural rubber expertise, the Raptor features a natural rubber flexible element that offers a number of performance benefits when compared to competitive urethane designs.

- Static conductive for grounding redundancy, allowing current to safely pass through the natural rubber element, preventing the possibility of arcing during operation
- Exceptional resistance to hydrolysis, for improved performance in humid environments
- Superior thermal conductivity and ability to dissipate heat and hysteresis build up

Lower stiffness, longer driven equipment life
Because the Raptor element uses a natural rubber compound, it is significantly more flexible than urethane designs. Natural rubber yields an element with approximately 50% lower torsional and bending stiffness, resulting in longer life for all types of connected driven equipment – including motors, pumps, compressors and gearboxes.

- Reduced bearing loads yield over 15 times increase in L_{10} bearing life connected equipment
- Less vibration transmission to connected equipment
- Better shock damping capabilities



Results based on tested bending stiffness values applied to a motor and centrifugal pump arrangement with 4° angular misalignment.

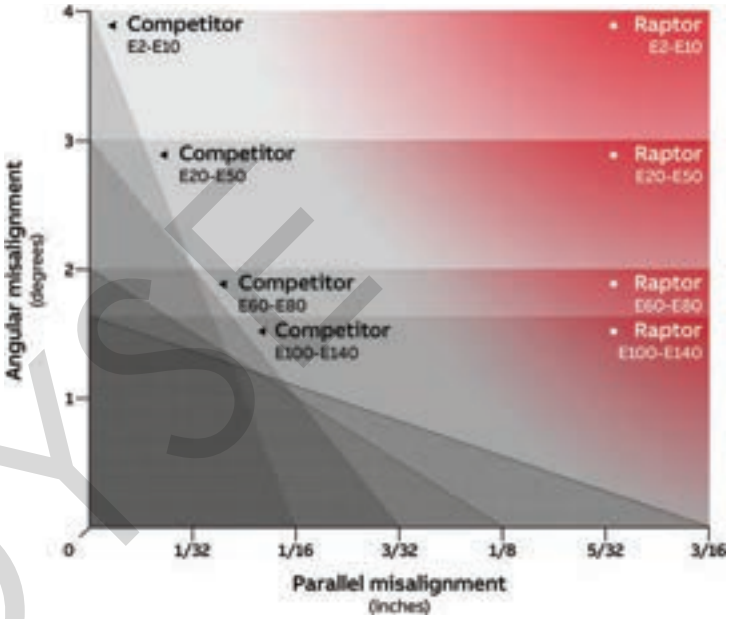
—
01 Connected equipment L_{10} life, Dodge Raptor versus competition

—
01

Industry leading misalignment capabilities
Over time foundations settle, vibration occurs, and some level of misalignment may occur. While competitive urethane couplings can handle pure angular or parallel misalignment, their capabilities are greatly diminished in applications with combined angular and parallel misalignment. Unfortunately for the competition, combined misalignment is reality.

When an elastomeric coupling is misaligned during operation, cyclic stresses are created, generating heat in a phenomenon known as hysteresis. The Raptor's natural rubber element has superior heat dissipating capabilities versus competitive urethane elements. Additionally, the Raptor has a lower angular stiffness, allowing it to be more forgiving in misaligned conditions. These two features combined allow the Dodge Raptor to offer industry leading misalignment capabilities.

The Raptor provides accommodation of shaft misalignment during installation, operation, and replacement better than competitive urethane elements.



Attention to every detail
Dodge highly engineered every aspect of the Raptor for performance, including specification of high-strength Grade 8 flanged head cap screws. This robust hardware gives a 40% increase in proof strength versus competitor's standard head Grade 5 fasteners. Serrations under the flanged head and a thread locking patch help to resist loosening and minimize the potential for stripping. This attention to detail provides a more reliable connection between elastomeric element and shaft hubs.

Dodge Grade 8 serrated flanged-head cap screw (shown without Nylok patch)

Competitor Grade 5 hex-head cap screw

Easier installation and reduced maintenance

Improved features, easier installation
The Dodge Raptor has everything needed for easier installations and reduced maintenance costs.

- Split element for easy replacement without moving and re-aligning connected equipment
- Slotted clamp ring holes offer 187% extra mounting hardware clearance versus competitor's circular through holes.
- Approximately 50% lower torsional stiffness makes the element significantly easier to manipulate by hand during installation
- Maintenance free non-lubricated natural rubber element for trouble-free operation

Raptor's slotted clamp rings offer more clearance at the bolt holes, for an easier installation than competitive designs.

Easy as 1-2-3
Installation for Dodge Raptor couplings are quick and easy. The Raptor's horizontally split element doesn't require locking shafts during installation, meaning a faster installation, requiring fewer tools and eliminating shaft damage. Simply fasten the shaft hubs, install the element, and tighten the hardware.

— 01
Step 1
Install hubs
— 02
Step 2
Set spacing
— 03
Step 3
Install element

— 01

— 02

— 03

Note: Shaft engagement should be equal to or greater than 80% the hub length-through bore.

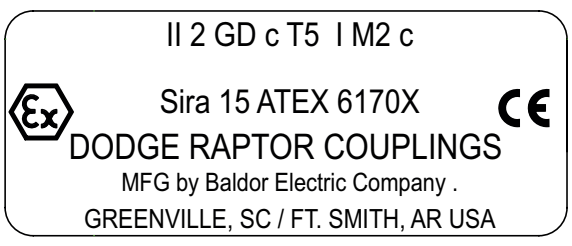
Suited for any application

A practical solution to spacer couplings
The innovation behind the Raptor coupling also extends to applications requiring additional space between shaft ends.

- One spacer element fits all standard ANSI and ISO spacer lengths
- Spacer elements can be replaced with standard close-coupled elements, resulting in lower replacement costs and reduced inventory
- Eliminates the need for high-speed rings, resulting in easier installation, while also reducing purchase costs and inventory requirements

Armored elements for extra protection from harsh environments
Raptor elements are available with an optional Armored Element. This allows users to benefit from the increased performance and longer driven equipment life of standard Raptor elements, while providing an added layer of protection from ozone, petroleum oils, and some chemical environments. Raptor Armored Elements exceed ASTM 1149-07 rubber deterioration standards, as determined through third-party testing.

Third-party ATEX certified
When it comes to applications in hazardous environments, there's no reason for customers to assume any risk by using a product which is self-certified. That's why all Raptor couplings are third-party ATEX certified for worry-free use in hazardous environments. All required product markings and documentation are included with each coupling at no additional charge. When it comes to hazardous environments, you can trust Dodge.



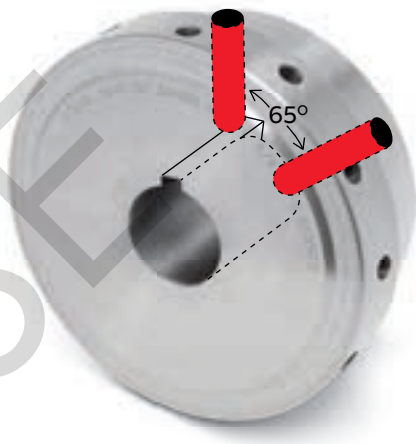
Shaft hubs

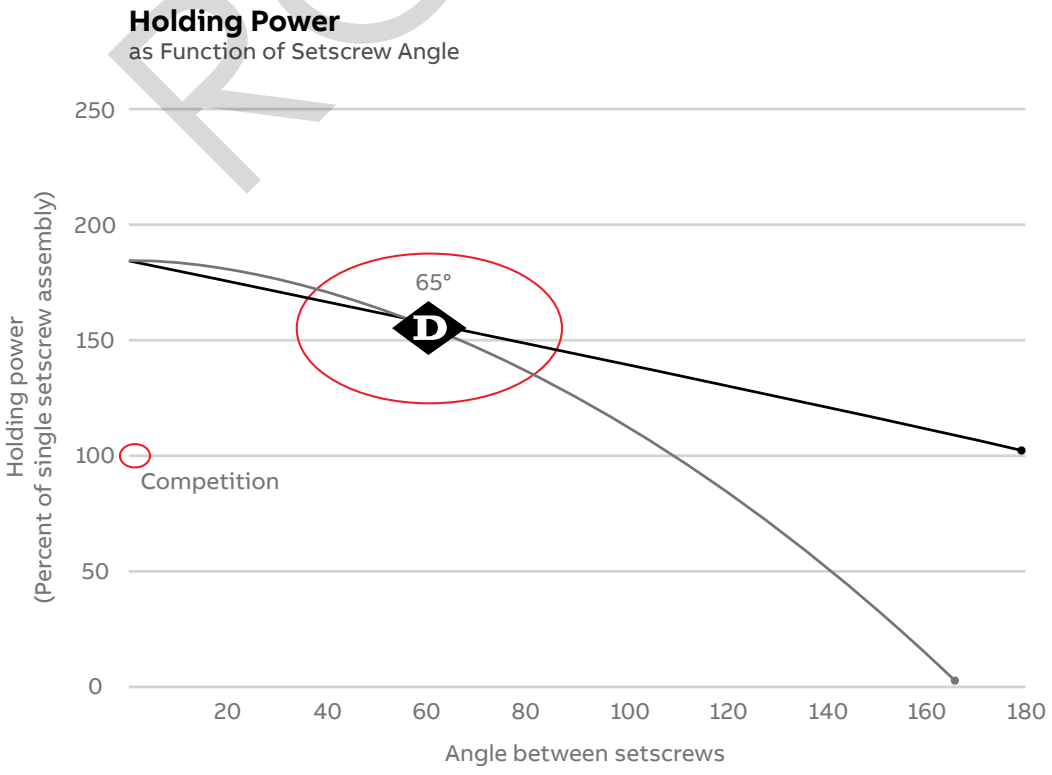
Flexible mounting options for any application

- Available in a wide range of shaft attachment methods, including finished bore, Taper-Lock® and QD bushed options.
- Suited for any application, hubs are reversible to accommodate a wide range of shaft gaps
- Interchangeable hubs are used for both close-coupled and spacer designs for reduced inventory

Finished bore

- Setscrew locking mechanism ensures a quick, easy installation
- Two setscrews at a 65° angle optimizes radial and torsional holding power, resulting in a 75% holding power increase versus competitive designs using one setscrew





Taper-Lock bushed

- Reduced maintenance time and costs
- Easy installation and removal
- Minimal shaft damage
- Clean, compact design
- Dodge original design, an industry standard for over 50 years
- Conforms with MPTA-B9i-2013 Taper-Lock bushing standard
- Combine with Dodge Integral Key bushings for added value and convenience

QD bushed

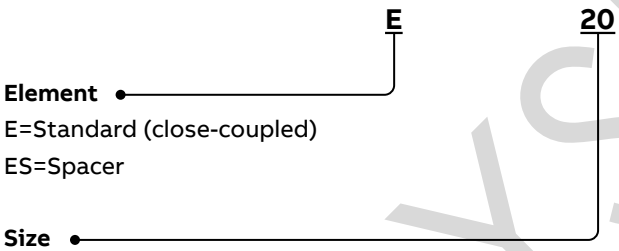
- “Quick Detachable” QD bushings for easy installation and removal
- Reduced maintenance time and costs
- Minimal shaft damage
- Increased bore capacities
- Robust flanged design featuring capscrew hardware
- Conforms with MPTA-B6i-2010 QD bushing standard

How to order

A complete Raptor coupling assembly consists of one element (standard or spacer) and two shaft hubs (finished bore, Taper-Lock, or QD). If Taper-Lock or QD shaft hubs are selected, bushings must also be selected for the desired shaft size.

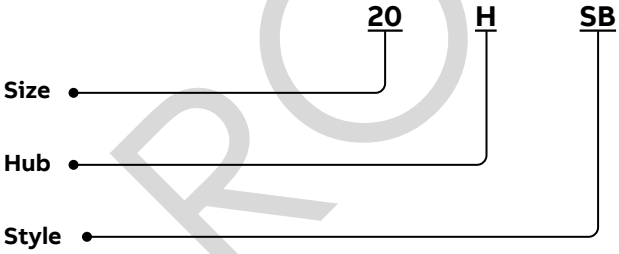
Nomenclature:

Elements:



E=Standard (close-coupled)
ES=Spacer

Hubs:



RB=Rough bore
SB=Finished bore (stock)
CB=Finished bore (custom)
CBMM=Custom bore, mill motor
TL=Taper-Lock bushed
QD=QD bushed

Engineering
Selection methods

Torque method:

Step 1:
Obtain required S.F. (service factor) from Table 1 on pages 16 and 17.

Step 2:
Determine torque required for application.

$$\text{Torque (in. - lbs.)} = \frac{63025 \times \text{motor Hp} \times \text{S.F.}}{\text{Coupling RPM}}$$

Step 3:
From rating tables, find a rating equal to or greater than the torque. Note coupling size from left hand column.

Step 4:
Check maximum RPM capability.

Step 5:
Check maximum bore capacity. If maximum bore is exceeded, move to larger size with adequate bore. Be sure maximum RPM of coupling is not exceeded.

Notes:
1. If system peak torque is known and is non-reversing, start at step 3. If system peak torque is known and reversing, multiply by 2.0 and start at step 3.
2. If ambient temperature of the application is above 180°, a high temperature adjustment must be made to the system service factor. See page 34 for high temperature adjustment factors.
3. If spring set motor brake is used, and brake Hp is greater than prime mover, use brake Hp in place of motor Hp.

Hp/100 method:

Step 1:
Obtain required S.F. (service factor) from service factor tables on pages 16 and 17.

Step 2:
Determine the application Hp per 100 RPM:

$$\text{Hp / 100 RPM} = \frac{\text{Motor Hp} \times 100 \times \text{S.F.}}{\text{Coupling RPM}}$$

Step 3:
From rating tables, find a rating equal to or greater than Hp design. Note to or greater than the Hp/100 RPM. Note coupling size from left hand column.

Step 4:
Check maximum RPM capability.

Step 5:
Check maximum bore capacity. If maximum bore is exceeded, move to larger size with adequate bore. Be sure maximum RPM of coupling is not exceeded.

Engineering

Service Factor Table 1

Application (read footnotes)	Factor Δ Raptor
Agitators	
Paddle or propeller (vert. or horiz.)	1.00
Screw	1.00
Blowers	
Centrifugal	1.00
Lobe	1.50
Vane	1.00
Brewing & distilling	
Bottling machinery, brew kettle	1.00
Cooker (continuous duty)	1.00
Mash tub	1.00
Scale hopper-frequent starting peaks	1.50
Can filling machine	**1.00**
Car dumper	**1.50**
Car puller	**1.50**
Clarifier	**1.00**
Classifier	**1.00**
Clay-working machines	
Brick press, briquette mach., clay working mach., pug mill	1.50
Compressors	
Centrifugal	1.00
Screw	2.50
Reciprocating, lobe	Contact Dodge engineering
Conveyors	
Apron, assembly, belt, chain, flight, Oven	1.00
Reciprocating	2.50
Screw	1.00
Cranes and hoists	
Main hoist-medium duty	1.50
Main hoist-heavy duty	2.00
Skip hoist, travel motion, trolley	1.50
Motion, slope	1.50
Crushers	
Cane	2.00
Gyratory	2.50

Application (read footnotes)	Factor Δ Raptor
Dredges	
Cable reel, screen drive, stacker	1.50
Conveyor	1.50
Cutter head drive, jig drive	2.50
Pump, utility winch	1.50
Dynamometer	**1.00**
Elevators	
Bucket, freight	2.00
Exciter	**1.00**
Fans	
Centrifugal	1.00
Cooling tower	2.00
Heavy duty (forced draft)	1.50
Induced draft	1.50
Light	1.00
Propeller indoor	1.50
Food industry	
Beet slicer	1.50
Cereal cooker	1.00
Dough mixer, meat grinder	1.50
Generators	
Even load	1.00
Hoist or railway service	1.50
Welder load	2.00
Grizzly	**2.00**
Kiln	**2.00**
Laundry machines	
Tumbler washer	2.00
Line shafts	
Driving processing machinery	1.00
Light	1.00
Lumber industry	
Band resaw	1.50
Circular resaw	1.50
Edger head rig, hog, log haul	2.00
Planer	1.50
Rolls non-reversing	1.50
Rolls reversing	2.00
Sawdust conveyor	1.00
Slab conveyor	1.50
Sorting table	1.50

Application (read footnotes)	Factor Δ Raptor
Machine tools	
Auxiliary	1.00
Main drive	1.50
Notching press, planer (reversing), plate planer, punch press	1.50
Traverse	1.00
Metal forming machines	
Draw bench, carriage, main drive, extruder	2.00
Wire drawing, flattening machine	2.00
Mills rotary type	
Ball or pebble direct or	2.50
On LS shaft gear reducer	2.50
On HS shaft gear reducer	2.00
Dryer and cooler	1.50
Rod or tube direct or	2.50
On LS shaft gear reducer	2.50
On HS shaft gear reducer	2.00
Tumbling barrel	1.50
Mixers	
Concrete (continuous or intermittent)	1.50
Muller-Simpson type	1.50
Oil industry	
Chiller	1.00
Oil well pumping (not over 150% peak torque	2.00
Paraffin filter press	1.50
Paper mills	
Agitator	1.00
Barking drum	2.50
Beater and pulper	1.50
Bleacher	1.00
Calender	2.00
Chipper	3.00
Couch cylinder dryer	1.50
Felt stretcher	1.00
Fourdrinier	1.50
Jordan	2.00
Press	2.00
Pulp grinder	2.00
Stock chest	1.50
Stock pump	
Reciprocating	2.00

Application (read footnotes)	Factor Δ Raptor
Paper mills (continued)	
Suction roll	2.00
Winder	1.50
Paraffin filter press	**1.50**
Printing press	**1.50**
Propeller marine	**1.50**
Pullers	
Barge hall	2.50
Pulverizers	
Hog	2.00
Roller	1.50
Hammermill	Contact Dodge engineering
Pumps	
Centrifugal	1.00
Descaling gear type	1.50
Oil well pumping (not over 150% peak torque)	2.00
Rotary - other than gear	1.50
Reciprocating	Contact Dodge engineering

Application (read footnotes)	Factor Δ Raptor
Rubber industry	**1.50**
Banbury mixer	1.50
Calender	2.00
Cracker mixing mill plasticator	2.50
Refiner, sheeter	2.00
Tire-building machine	2.00
Tire and tube press opener based on peak torque	1.00
Tuber and strainer	1.50
Warming mill	2.00
Washer	2.50
Screens	
Air washing	1.00
Coal and sand rotary	1.50
Vibrating	2.50
Water	1.00
Sewage disposal equipment	**1.00**
Shovel	**2.00**
Shredder	**1.50**

Application (read footnotes)	Factor Δ Raptor
Steel industry	
Cold mills	
Coiler up or down	1.50
Strip, temper	2.00
Hot mills	
Coiler up or down	1.50
Edger drive	1.50
Feed roll blooming	3.00
Roughing mill delivery	3.00
Non-reversing, sheet strip	3.00
Rod mill	2.50
Soaking pit cover drive lift	3.00
Soaking pit cover drive travel	3.00
Rollout table (non-reversing)	2.00
Rollout table (reversing)	3.50
Steering gear	**1.00**
Stoker	
Textile mills	
Batcher	1.00
“Calender, card machine, D can”	1.50
Dyeing machine	1.00
Loom	1.50
Mangel, napper, soaper	1.00
Spinner, tenter frame	1.50
Windlass	**1.50**
Woodworking machines	**1.00**

System service factor calculation

To determine the system service factor, the driver service factor adder (Table 1A) must be added to the driven service factor (Table 1). Example: Determine the system service factor for a Raptor coupling used to couple a barking drum and a six-cylinder diesel engine.

Driven S.F. + Driver S.F. Adder = System S.F.
2.5 + 0.5 = 3.0

Δ The service factors listed are intended only as a general guide. Where substantial shock occurs or starting and stopping is frequent as on some “inching” drives and on some reversing drives or where the power source is an internal combustion engine with less than four cylinders - consult Dodge. Where torsional vibrations occur as in, for example, internal combustion engine or reciprocating compressor or pump applications, check the coupling stiffness for the possible development of damaging large- amplitude vibrations. A complete system torsional analysis may be necessary.

** Add 0.5 to factor if without flywheel
♦ Consult Dodge for selection assistance

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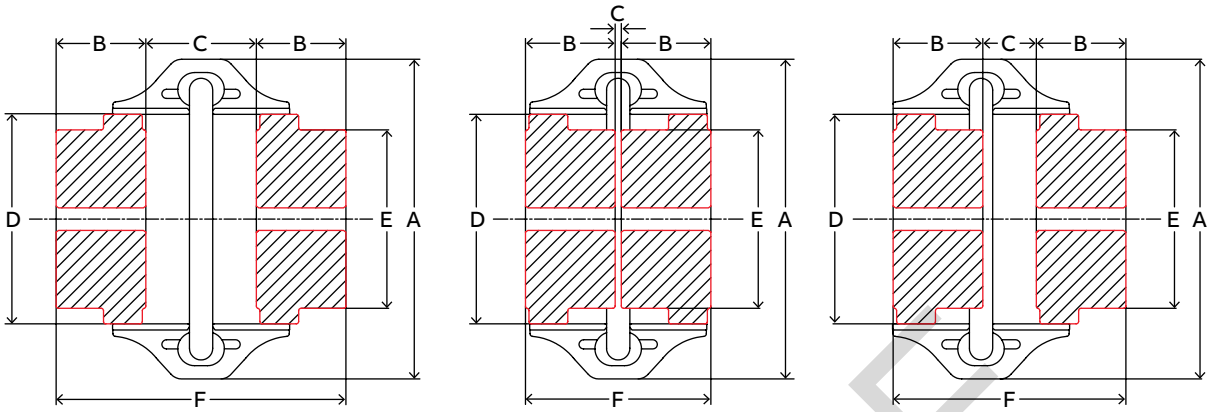
Table 1A - driver service factor adders

Type of coupling	Electric motor std. torque	High torque motors	Turbines	Reciprocating engine number of cylinders				
				12 or more	8 to 11	6 to 7	4 to 5	Less than 4
Raptor	0.00	0.00	0.00	0.00	0.50	0.50	0.50	♦

Ratings & dimensions

Close-coupled - finished bore



Outboard **Inboard** **Hybrid**

Coupling size	Min. bore	Max. bore [1]	Hp/100	Max torque (in.-lbs.)	Max. RPM	A	B	C[4]			D	E	F[4]			Weight [2] (lbs.)
								Outboard	Inboard	Hybrid			Outboard	Inboard	Hybrid	
E2	0.50	1.13	0.31	194	7,500	3.50	0.94	1.90	1.34	1.62	1.85	1.65	3.78	3.22	3.50	1.2
E3	0.50	1.38	0.59	371	7,500	4.00	1.50	1.34	0.78	1.06	2.32	2.00	4.34	3.78	4.06	2.3
E4	0.50	1.63	0.89	558	7,500	4.56	1.68	1.34	0.42	0.88	2.60	2.36	4.70	3.78	4.24	3.3
E5	0.50	1.88	1.47	926	7,500	5.38	1.75	1.84	0.78	1.31	3.13	2.80	5.34	4.28	4.81	5.4
E10	0.50	2.13	2.31	1,456	7,500	6.38	1.88	1.84	0.52	1.18	3.65	3.30	5.60	4.28	4.94	7.6
E20	0.75	2.38	3.66	2,308	6,600	7.25	2.06	2.66	0.22	1.44	4.48	4.00	6.78	4.34	5.56	12.7
E30	0.75	2.88	5.79	3,651	5,800	8.25	2.31	3.39	0.03	1.71	5.42	4.62	8.01	4.65	6.33	19.7
E40	0.75	3.38	8.73	5,504	5,000	9.50	2.50	3.29	0.43	1.86	6.63	5.75	8.29	5.43	6.86	33.5
E50	1.13	3.63	12.1	7,656	4,200	11.00	2.75	3.91	0.09	2.00	8.13	6.13	9.41	5.59	7.50	50.9
E60	1.13	4.00	19.8	12,505	3,800	12.50	3.25	4.23	0.49	2.36	8.75	6.50	10.73	6.99	8.86	71.3
E70	1.38	4.50	35.1	22,132	3,600	14.00	3.62	4.80	0.52	2.66	9.25	6.99	12.04	7.76	9.90	82.0
E80	1.63	6.00	62.7	39,503	2,000	16.00	4.87	6.67	0.75	3.71	11.25	9.49	16.41	10.49	13.45	169.4
E100	2.50	6.75	135.0	85,085	1,900	21.00	5.50	3.77	1.77	2.77	14.13	10.51	14.77	12.77	13.77	252.6
E120	2.88	7.50	270.0	170,170	1,800	25.00	6.00	4.90	2.26	3.58	17.63	11.76	16.90	14.26	15.58	419.4
E140	3.25	9.00	540.0	340,340	1,500	30.00	7.00	5.02	3.02	4.02	20.88	15.01	19.02	17.02	18.02	593.4

(1) Consult page 29 for larger bore capacities with shallow keys.
(2) Weight of complete coupling in pounds
(3) All dimensions in inches
(4) Hubs are reversible and will accommodate different shaft spacing requirements

Close-coupled inch element assemblies

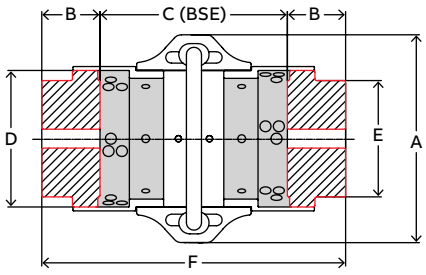
Size	Standard (natural rubber)	Armored elements	Replacement hardware[1]
E2	015843	017126	017000
E3	015844	017127	
E4	015845	017128	017001
E5	015846	017129	
E10	015847	017130	017180
E20	015848	017131	017002
E30	015849	017132	
E40	015850	017133	017003

Size	Standard (natural rubber)	Armored elements	Replacement hardware[1]
E50	015851	017134	017003
E60	015852	017135	
E70	015853	017136	017004
E80	015854	017137	
E100	015931	017138	017005
E120	015932	017139	017006
E140	015933	017140	017007

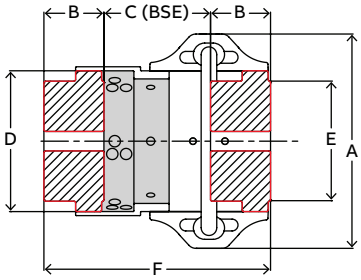
(1) Element assemblies include imperial hardware.
(2) Raptor elements are also available with metric hardware. This requires use of shaft hubs tapped for metric hardware. Reference International Couplings Catalog (9AKK107387) or contact Dodge for more information.

Ratings & dimensions

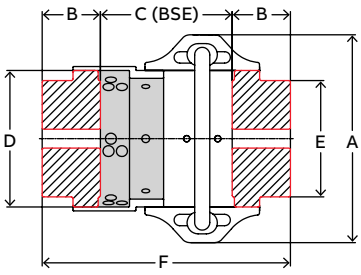
Spacer - finished bore



Full spacer - outboard



Half spacer - hybrid



Half spacer - outboard

Coupling size	Min. bore	Max. bore[1]	Hp/100	Max rated torque (in.-lbs.)	Max. RPM	A	B	D	E	Weight[2] (lbs.)
ES2	-	1.13	0.31	194	7,500	3.50	0.94	1.85	1.65	1.86
ES3	-	1.38	0.59	371	7,500	4.00	1.50	2.32	2.00	3.73
ES4	-	1.63	0.89	558	7,500	4.56	1.69	2.60	2.36	5.12
ES5	-	1.88	1.47	926	7,500	5.38	1.75	3.13	2.80	7.78
ES10	-	2.13	2.31	1,456	7,500	6.38	1.88	3.65	3.30	10.35
ES20	0.75	2.38	3.66	2,308	6,600	7.25	2.06	4.48	4.00	17.31
ES30	0.75	2.88	5.79	3,651	5,800	8.25	2.31	5.42	4.62	26.81
ES40	0.75	3.38	8.73	5,504	5,000	9.50	2.50	6.63	5.75	43.57
ES50	1.13	3.63	12.1	7,656	4,200	11.00	2.75	8.13	6.13	63.98
ES60	1.13	4.00	19.8	12,505	3,800	12.50	3.25	8.75	6.50	94.85
ES70	1.38	4.50	35.1	22,132	3,600	14.00	3.62	9.25	6.99	106.34
ES80	1.63	6.00	62.7	39,503	2,000	16.00	4.87	11.25	9.49	207.47

(1) Consult page 29 for larger bore capacities with shallow keys.
(2) Weight of complete coupling at maximum bore with four spacer extensions
(3) All dimensions in inches

Finished bore spacer length options

Coupling size	Standard (natural rubber) element part number		Armored element part number		C (BSE)[4][5]				F[4][5]			
					Half spacer		Full spacer		Half spacer		Full spacer	
	Full spacer	Half spacer	Full spacer	Half spacer	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.
ES2	017064	017182	017156	017218	2.51	3.01	3.50	4.12	4.39	4.89	5.38	6.00
ES3	017065	017183	017157	017219	2.14	3.43	3.50	5.51	5.14	6.43	6.50	8.51
ES4	017066	017184	017158	017220	1.96	3.43	3.50	5.51	5.34	6.81	6.88	8.89
ES5	017067	017185	017159	017221	2.14	3.68	3.50	5.51	5.64	7.18	7.00	9.01
ES10	017068	017186	017160	017222	2.01	3.68	3.50	5.51	5.77	7.44	7.26	9.27
ES20	017069	017187	017161	017223	2.38	5.20	4.54	7.74	6.50	9.32	8.66	11.86
ES30	017070	017188	017162	017224	2.24	5.42	4.44	7.86	6.86	10.04	9.06	12.48
ES40	017071	017189	017163	017225	2.51	5.46	5.04	7.63	7.51	10.46	10.04	12.63
ES50	017072	017190	017164	017226	2.94	6.32	5.76	8.72	8.44	11.82	11.26	14.22
ES60	017073	017191	017165	017227	3.13	7.38	6.37	10.52	9.63	13.88	12.87	17.02
ES70	017074	017192	017166	017228	3.36	7.80	7.00	10.80	10.60	15.04	14.24	18.04
ES80	017075	017193	017167	017229	4.04	11.28	8.98	15.88	13.78	21.02	18.82	25.62

(1) Element assemblies include imperial hardware.
(2) Table shows actual spacer lengths.
(3) All calculations based off of outboard hubs.
(4) Hubs are reversible and will accommodate different shaft spacing requirements
(5) Consult factory for minimum shaft spacing

Hub part numbers

Finished bore - inch bores

Bore (in.)	Coupling size														
	2	3	4	5	10	20	30	40	50	60	70	80	100	120	140
Reborable	015234	015235	015236	015237	015238	015239	015240	015241	015242	015243	015244	015245	015246	015247	015248
1/2"	015425	015436	015451	015474	015501										
9/16"	015426	015437	015452	015475	015502										
5/8"	015427	015438	015453	015476	015503										
11/16"	015428	015439	015454	015477	015504										
3/4"	015429	015440	015455	015478	015505	015532	015563	015602							
13/16"	015430	015441	015456	015479	015506	015533	015564	015603							
7/8"	015431	015442	015457	015480	015507	015534	015565	015604							
15/16"	015432	015443	015458	015481	015508	015535	015566	015605							
1"	015433	015444	015459	015482	015509	015536	015567	015606							
1-1/16"	015434	015445	015460	015483	015510	015537	015568	015607							
1-1/8"	015435	015446	015461	015484	015511	015538	015569	015608	015649	015694					
1-3/16"		015447	015462	015485	015512	015539	015570	015609	015650	015695					
1-1/4"		015448	015463	015486	015513	015540	015571	015610	015651	015696					
1-5/16"		015449	015464	015487	015514	015541	015572	015611	015652	015697					
1-3/8"		015450	015465	015488	015515	015542	015573	015612	015653	015698	015749				
1-7/16"			015466	015489	015516	015543	015574	015613	015654	015699	015750				
1-1/2"			015467	015490	015517	015544	015575	015614	015655	015700	015751				
1-9/16"			015468	015491	015518	015545	015576	015615	015656	015701	015752				
1-5/8"			015469	015492	015519	015546	015577	015616	015657	015702	015753	015867			
1-11/16"				015493	015520	015547	015578	015617	015658	015703	015754	015868			
1-3/4"				015494	015521	015548	015579	015618	015659	015704	015755	015869			
1-13/16"				015495	015522	015549	015580	015619	015660	015705	015756	015870			
1-7/8"				015496	015523	015550	015581	015620	015661	015706	015757	015871			
1-15/16"					015524	015551	015582	015621	015662	015707	015758	015872			
2"					015525	015552	015583	015622	015663	015708	015759	015873			
2-1/16"					015526	015553	015584	015623	015664	015709	015760	015874			
2-1/8"					015527	015554	015585	015624	015665	015710	015761	015875			
2-3/16"						015555	015586	015625	015666	015711	015762	015876			
2-1/4"						015556	015587	015626	015667	015712	015763	015877			
2-5/16"						015557	015588	015627	015668	015713	015764	015878			
2-3/8"						015558	015589	015628	015669	015714	015765	015879			
2-7/16"							015590	015629	015670	015715	015766	015880			
2-1/2"							015591	015630	015671	015716	015767	015881	015010		
2-9/16"							015592	015631	015672	015717	015768	015882	015011		
2-5/8"							015593	015632	015673	015718	015769	015883	015012		
2-11/16"							015594	015633	015674	015719	015770	015884	015013		
2-3/4"							015595	015634	015675	015720	015771	015885	015014		
2-13/16"							015596	015635	015676	015721	015772	015886	015015		
2-7/8"							015597	015636	015677	015722	015773	015887	015016	015075	
2-15/16"								015637	015678	015723	015774	015888	015017	015076	
3"								015638	015679	015724	015775	015889	015018	015077	
3-1/16"								015639	015680	015725	015776	015890	015019	015078	
3-1/8"								015640	015681	015726	015777	015891	015020	015079	
3-3/16"								015641	015682	015727	015778	015892	015021	015080	
3-1/4"								015642	015683	015728	015779	015893	015022	015081	015146
3-5/16"								015643	015684	015729	015780	015894	015023	015082	015147
3-3/8"								015644	015685	015730	015781	015895	015024	015083	015148
3-7/16"									015686	015731	015782	015896	015025	015084	015149
3-1/2"									015687	015732	015783	015897	015026	015085	015150

Stock bores

- Listed shaft hubs are tapped for imperial hardware, and intended for use with Imperial element assemblies. Shaft hubs and element assemblies are also available for use with metric hardware. Reference International Catalog (9AKK107387) or contact Dodge for more information.
- Unless otherwise specified, finished bores for sizes E2-E60 are Class 1 clearance fit and sizes E70-E140 are interference fit per AGMA 9002. See pages 29-33 for additional details.

Bore (in.)	Coupling size														
	2	3	4	5	10	20	30	40	50	60	70	80	100	120	140
3-9/16"									015688	015733	015784	015898	015027	015086	015151
3-5/8"									015689	015734	015785	015899	015028	015087	015152
3-11/16"										015735	015786	015900	015029	015088	015153
3-3/4"										015736	015787	015901	015030	015089	015154
3-13/16"										015737	015788	015902	015031	015090	015155
3-7/8"										015738	015789	015903	015032	015091	015156
3-15/16"										015739	015790	015904	015033	015092	015157
4"										015740	015791	015905	015034	015093	015158
4-3/16"											015792	015906	015035	015094	015159
4-1/4"											015793	015907	015036	015095	015160
4-3/8"											015794	015908	015037	015530	015531
4-7/16"											015795	015909	015038	015096	015161
4-1/2"											015796	015910	015039	015097	015162
4-11/16"												015911	015040	015098	015163
4-3/4"												015912	015041	015099	015164
4-7/8"												015913	015042	015100	015165
4-15/16"												015914	015043	015101	015166
5"												015915	015044	015102	015167
5-3/16"												015916	015045	015103	015168
5-1/4"												015917	015046	015104	015169
5-7/16"												015918	015047	015105	015170
5-1/2"												015919	015048	015106	015171
5-11/16"												015920	015049	015107	015172
5-3/4"												015921	015050	015108	015173
5-7/8"												015528	015529	015109	015174
5-15/16"												015922	015051	015110	015175
6"												015923	015052	015111	015176
6-3/16"													015053	015112	015177
6-1/4"													015054	015113	015178
6-7/16"													015055	015114	015179
6-1/2"													015056	015115	015180
6-11/16"													015057	015116	015181
6-3/4"													015058	015117	015182
6-15/16"														015118	015183
7"														015119	015184
7-3/16"														015120	015185
7-1/4"														015121	015186
7-7/16"														015122	015187
7-1/2"														015123	015188
7-11/16"															015189
7-3/4"															015190
7-15/16"															015191
8"															015192
8-3/16"															015193
8-1/4"															015194
8-7/16"															015195
8-1/2"															015196
8-11/16"															015197
8-3/4"															015198
8-15/16"															015199
9"															015200

- Listed shaft hubs are tapped for imperial hardware, and intended for use with Imperial element assemblies. Shaft hubs and element assemblies are also available for use with metric hardware. Reference International Catalog (9AKK107387) or contact Dodge for more information.
- Unless otherwise specified, finished bores for sizes E2-E60 are Class 1 clearance fit and sizes E70-E140 are interference fit per AGMA 9002. See pages 29-33 for additional details.

Hub part numbers

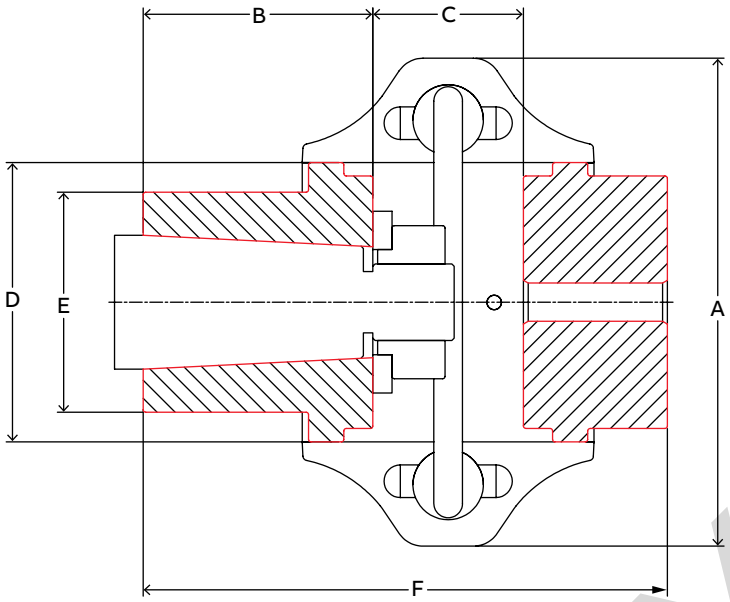
Finished bore - metric bores

Bore (mm)	Coupling size														
	2	3	4	5	10	20	30	40	50	60	70	80	100	120	140
Reborable	015234	015235	015236	015237	015238	015239	015240	015241	015242	015243	015244	015245	015246	015247	015248
11	016225	016236	016250	016267	016286										
12	016226	016237	016251	016268	016287										
14	016227	016238	016252	016269	016288										
16	016228	016239	016253	016270	016289										
17	016229	016240	016254	016271	016290										
18	016230	016241	016255	016272	016291										
19	016231	016242	016256	016273	016292	016307	016325	016347							
20	016232	016243	016257	016274	016293	016308	016326	016348							
22	016233	016244	016258	016275	016294	016309	016327	016349							
24	016234	016245	016259	016276	016295	016310	016328	016350							
25	016235	016246	016260	016277	016296	016311	016329	016351							
28		016247	016261	016278	016297	016312	016330	016352	016372	016393					
30		016248	016262	016279	016298	016313	016331	016353	016373	016394					
32		016249	016263	016280	016299	016314	016332	016354	016374	016395					
35			016264	016281	016300	016315	016333	016355	016375	016396	016416				
38			016265	016282	016301	016316	016334	016356	016376	016397	016417				
40			016266	016283	016302	016317	016335	016357	016377	016398	016418	016438			
42				016284	016303	016318	016336	016358	016378	016399	016419	016439			
45				016285	016304	016319	016337	016359	016379	016400	016420	016440			
48					016305	016320	016338	016360	016380	016401	016421	016441			
50					016306	016321	016339	016361	016381	016402	016422	016442			
55						016322	016340	016362	016382	016403	016423	016443			
56						016323	016341	016363	016383	016404	016424	016444			
60						016324	016342	016364	016384	016405	016425	016445			
63							016343	016365	016385	016406	016426	016446	016468		
65							016344	016366	016386	016407	016427	016447	016469		
70							016345	016367	016387	016408	016428	016448	016470		
71							016346	016368	016388	016409	016429	016449	016471		
75								016369	016389	016410	016430	016450	016472	016496	
80								016370	016390	016411	016431	016451	016473	016497	
85								016371	016391	016412	016432	016452	016474	016498	
90									016392	016413	016433	016453	016475	016499	
95										016414	016434	016454	016476	016500	016526
100										016415	016435	016455	016477	016501	016527
105											016436	016456	016478	016502	016528
110											016437	016457	016479	016503	016529
120												016458	016480	016504	016530
125												016459	016481	016505	016531
130												016460	016482	016506	016532
140												016461	016483	016507	016533
150												016462	016484	016508	016534

- Listed shaft hubs are tapped for imperial hardware, and intended for use with Imperial element assemblies. Shaft hubs and element assemblies are also available for use with metric hardware. Reference International Catalog (9AKK107387) or contact Dodge for more information.
- Unless otherwise specified, finished bores for E2-E60 are transitional fit and sizes E70-E80 are interference fit per ISO R775. See pages 29-33 for details.

Ratings & dimensions

Mill motor

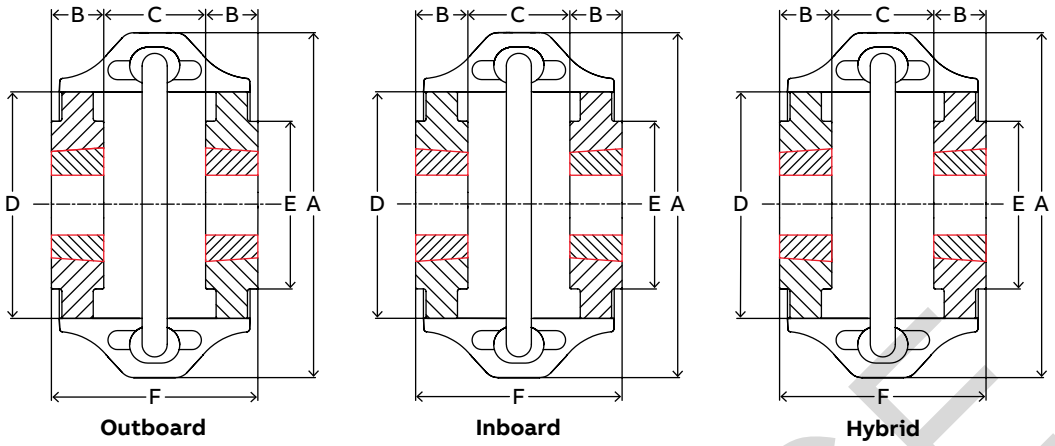


Mill motor hubs - HCBMM

Size	Mill motor size	Hp/100	Max rated torque (in.-lbs.)	Max. RPM	A	B	C	D	E	F	Weight (lbs.)	Description	Part number
E10	602/802	2.31	1,456	7,500	6.38	3.00	1.81	3.65	2.88	6.68	5.8	10HMMCB - 602/802	017088
E20	802B/802C	3.66	2,308	6,600	7.25	3.00	2.38	4.48	3.00	7.44	9.8	20HMMCB - 802	017089
	603					3.50				7.94	9.1	20HMMCB - 603	017090
E30	603/803, 604/804	5.79	3,651	5,800	8.25	3.50	2.44	5.42	3.50	8.25	15.8	30HMMCB - 603/803 604/804	017091
E40	604/804	8.73	5,504	5,000	9.50	3.50	2.68	6.63	3.50	8.68	26.0	40HMMCB - 604/804	017092
E50	406/606/806	12.15	7,656	4,200	11.00	4.00	3.38	8.13	4.00	10.13	39.8	50HMMCB - 406/606/806	017093
	408/608/808									10.63	36.0	50HMMCB - 408/608/808	017094
E60	406/606/806	19.84	12,505	3,800	12.50	4.00	3.44	8.75	4.50	10.69	58.2	60HMMCB - 406/606/806	017095
	408/608/808									11.19	54.8	60HMMCB - 408/608/808	017096
E70	408/608/808	35.12	22,132	3,600	14.00	4.50	3.75	9.25	4.75	11.88	61.0	70HMMCB - 408/608/808	017097
	410/610/810										58.4	70HMMCB - 410/610/810	017098
	412/612/812									12.38	54.4	70HMMCB - 412/612/812	017099
E80	410/610/810	62.68	39,503	2,000	16.00	4.50	5	11.25	6.00	14.38	118.0	80HMMCB - 410/610/810	017100
	412/612/812					5.00				14.88	115.3	80HMMCB - 412/612/812	017101
	614										106.1	80HMMCB - 614	017102
E100	612/812	134.96	85,057	1,900	21.00	5.00	3.75	14.13	10.25	14.25	216.6	100HMMCB - 612/812	017103
	614/814										207.4	100HMMCB - 614/814	017104
	616/816					5.50				14.75	208.3	100HMMCB - 616/816	017105
	618/818					6.00				15.25	207.5	100HMMCB - 618/818	017106
E120	818	269.91	170,109	1,800	25.00	6.00	4.88	17.63	11.75	16.88	366.3	120HMMCB - 818	017107
	620					6.75				17.63	357.3	120HMMCB - 620	017108
E140	622	539.80	340,209	1,500	30.00	7.25	5	20.88	15.00	19.25	504.2	140HMMCB - 622	017109
	624					9.25				21.25	537.3	140HMMCB - 624	017110

Ratings & dimensions

Close-coupled - Taper-Lock bushed



Coupling size	Bushing size	Max. bore (1)	Hp/100	Max torque (in.-lbs.)(2)	Max. RPM	A	B	C			D	E	F			Weight (5) (lbs.)
								Outboard	Inboard	Hybrid			Outboard	Inboard	Hybrid	
E3	1008	1.00	0.59	371	7,500	4.00	0.88	1.68	1.68	1.68	2.32	2.00	3.44	3.44	3.44	2.2
E4	1008	1.00	0.89	558	7,500	4.56	0.88	1.68	1.68	1.68	2.60	2.25	3.44	3.44	3.44	2.9
E5	1108	1.13	1.47	926	7,500	5.38	0.88	2.17	2.19	2.19	3.13	2.80	3.93	3.95	3.95	4.8
E10	1310	1.44	2.31	1,456	7,500	6.38	1.00	2.06	2.06	2.06	3.65	3.30	4.06	4.06	4.06	6.4
E20	1610	1.69	3.66	2,308	6,600	7.25	1.00	2.50	2.50	2.50	4.48	3.50	4.50	4.50	4.50	9.2
E30	2012	2.13	5.79	3,651	5,800	8.25	1.25	2.56	2.56	2.56	5.42	4.01	5.06	5.06	5.06	14.8
E40	2517	2.69	8.73	5,504	5,000	9.50	1.75	2.38	2.38	2.38	6.63	4.63	5.88	5.88	5.88	23.8
E50	2517	2.69	12.1	7,656	4,200	11.00	1.75	3.00	3.00	3.00	8.13	4.93	6.50	6.50	6.50	35.2
E60	3020	3.25	19.8	12,505	3,800	12.50	2.00	3.31	3.31	3.31	8.75	5.75	7.31	7.31	7.31	53.6
E70	3535	3.94	35.1	22,132	3,600	14.00	3.50	2.38	2.38	2.38	9.25	6.50	9.38	9.38	9.38	77.7
E80	4040	4.44	62.7	39,503	2,000	16.00	4.00	3.75	3.75	3.75	11.25	7.75	11.75	11.75	11.75	129.0
E100	4535	4.94	135.0	85,085	1,900	21.00	3.50	6.06	3.56	4.81	14.13	10.51	13.06	10.56	11.81	254.0
E120	5040	5.00	199.9	126,000 (2)	1,800	25.00	4.00	6.78	4.14	5.46	17.63	11.76	14.78	12.14	13.46	428.0
E140	7060	7.00	540.0	340,340	1,500	30.00	6.00	6.99	2.99	4.99	20.88	15.01	18.99	14.99	16.99	713.0

(1) All maximum bore dimensions are based off of shallow keys
(2) Maximum torque is limited by maximum bushing rated torque
(3) Space required to install bushing with shortened hex key
(4) Space required to remove bushing with shortened hex key
(5) Weight of complete coupling including the bushing at maximum bore
(6) All dimensions in inches

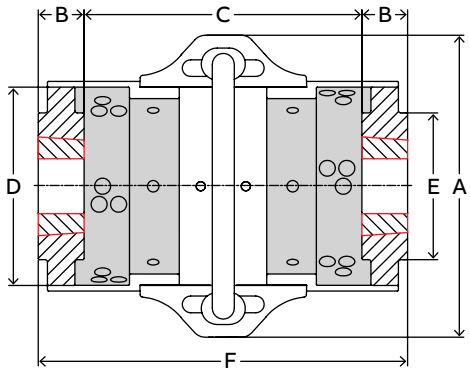
Taper-Lock bushed part numbers

Coupling size	TL hub	Bushing size	Standard (natural rubber) element	Armored elements	Replacement hardware(1)
3HTL	015801	1008	015844	017127	
4HTL	015802	1008	015845	017128	017001
5HTL	015803	1108	015846	017129	
10HTL	015804	1310	015847	017130	017180
20HTL	015805	1610	015848	017131	017002
30HTL	015806	2012	015849	017132	
40HTL	015807	2517	015850	017133	017003
50HTL	015808	2517	015851	017134	
60HTL	015809	3020	015852	017135	
70HTL	015810	3535	015853	017136	017004
80HTL	015865	4040	015854	017137	
100HTL	015201	4535	015931	017138	017005
120HTL	015202	5040	015932	017139	017006
140HTL	015203	7060	015933	017140	017007

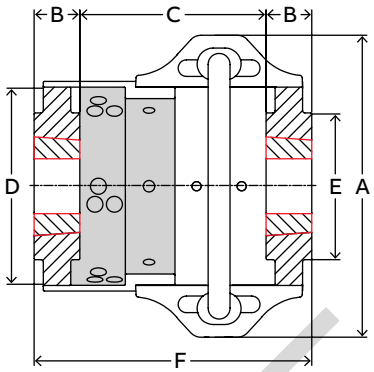
(1) Element assemblies include imperial hardware.
(2) Raptor elements are also available with metric hardware. This requires use of shaft hubs tapped for metric hardware. Reference International Couplings Catalog (9AKK107387) or contact Dodge for more information.

Ratings & dimensions

Spacer - Taper-Lock bushed



Full spacer



Half spacer

Coupling size	Bushing size	Max bore (1)	Hp/100	Max rated torque (in.-lbs.)	Max. RPM	A	B	D	E	Weight (2) (lbs.)
ES3	1008	1.00	0.59	371	7,500	4.00	0.88	2.32	2.00	3.6
ES4	1008	1.00	0.89	558	7,500	4.56	0.88	2.60	2.36	4.7
ES5	1108	1.13	1.47	926	7,500	5.38	0.88	3.13	2.80	7.2
ES10	1310	1.44	2.31	1,456	7,500	6.38	1.00	3.65	3.30	9.2
ES20	1610	1.69	3.66	2,308	6,600	7.25	1.00	4.48	4.00	13.8
ES30	2012	2.13	5.79	3,651	5,800	8.25	1.25	5.42	4.62	21.9
ES40	2517	2.69	8.73	5,504	5,000	9.50	1.75	6.63	5.75	33.9
ES50	2517	2.69	12.1	7,656	4,200	11.00	1.75	8.13	6.13	48.3
ES60	3020	3.25	19.8	12,505	3,800	12.50	2.00	8.75	6.50	77.1
ES70	3535	3.94	35.1	22,132	3,600	14.00	3.50	9.25	6.99	102.0
ES80	4040	4.44	62.7	39,503	2,000	16.00	4.00	11.25	9.49	166.8

(1) Maximum bores may require use of shallow key and/or steel bushings. Consult the Dodge PTC Engineering catalog for bushing requirements.
(2) Weight of complete coupling at maximum bore with four spacer extensions and bushings at maximum bore
(3) All dimensions in inches

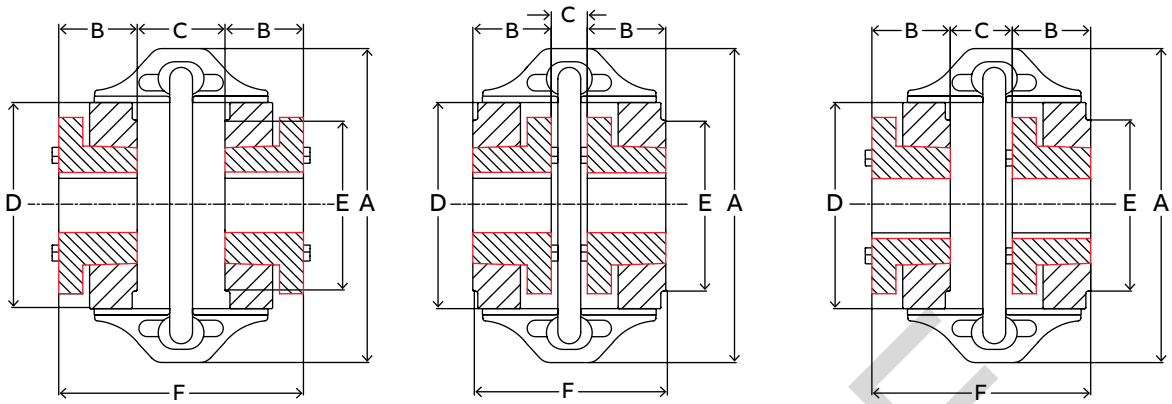
Taper-Lock bushed spacer length options

Coupling size	Standard (natural rubber) Element part number		Armored elements part number		C (BSE)				F			
					Half spacer		Full spacer		Half spacer		Full spacer	
	Full spacer	Half spacer	Full spacer	Half spacer	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.
ES3	017065	017183	017157	017219	2.76	3.77	3.84	5.85	4.52	5.53	5.60	7.61
ES4	017066	017184	017158	017220	2.76	3.77	3.84	5.85	4.52	5.53	5.60	7.61
ES5	017067	017185	017159	017221	3.01	4.02	3.84	5.85	4.77	5.78	5.60	7.61
ES10	017068	017186	017160	017222	2.89	3.90	3.72	5.73	4.89	5.90	5.72	7.73
ES20	017069	017187	017161	017223	3.54	5.04	4.58	7.58	5.54	7.04	6.58	9.58
ES30	017070	017188	017162	017224	3.51	5.01	4.45	7.45	6.01	7.51	6.95	9.95
ES40	017071	017189	017163	017225	3.49	4.55	4.59	6.72	6.99	8.05	8.09	10.22
ES50	017072	017190	017164	017226	4.15	5.41	5.29	7.81	7.65	8.91	8.79	11.31
ES60	017073	017191	017165	017227	4.68	6.46	6.05	9.60	8.68	10.46	10.05	13.60
ES70	017074	017192	017166	017228	3.88	5.38	5.38	8.38	10.88	12.38	12.38	15.38
ES80	017075	017193	017167	017229	5.74	8.36	7.72	12.96	13.74	16.36	15.72	20.96

(1) Element assemblies include imperial hardware.
(2) Table shows actual spacer lengths.

Ratings & dimensions

Close-Coupled - QD Bushed



Outboard Inboard Hybrid

Coupling size	Bushing size	Max. bore (1)	Hp/100	Max torque (in.-lbs.)(2)	Max. RPM	A	B	C (7)			D	E	F (7)			Weight (5) (lbs.)
								Outboard	Inboard	Hybrid			Outboard	Inboard	Hybrid	
E4	JA	1.19	0.89	558	7,500	4.56	1.00	1.90	1.22	1.57	2.60	2.25	3.90	3.24	3.57	2.9
E5	SH	1.63	1.47	926	7,500	5.38	1.25	1.88	1.62	1.75	3.13	2.80	4.38	4.12	4.25	4.9
E10	SDS	1.94	2.31	1,456	7,500	6.38	1.31	2.32	1.20	1.76	3.65	3.30	4.94	3.82	4.38	6.3
E20	SK	2.50	3.66	2,308	6,600	7.25	1.88	2.62	0.44	1.53	4.48	3.81	6.38	4.20	5.29	11.1
E30	SF	2.94	5.79	3,651	5,800	8.25	2.00	2.43	1.25	1.84	5.42	4.50	6.43	5.25	5.84	17.6
E40	E	3.50	8.73	5,504	5,000	9.50	2.63	2.00	1.00	1.50	6.63	5.75	7.26	6.26	6.76	33.1
E50	E	3.50	12.1	7,656	4,200	11.00	2.63	3.13	1.11	2.12	8.13	5.75	8.39	6.37	7.38	44.9
E60	F	3.94	19.8	12,505	3,800	12.50	3.63	2.13	1.19	1.66	8.75	6.50	9.39	8.45	8.92	68.4
E70	J	4.50	35.1	22,132	3,600	14.00	4.50	1.70	0.92	1.31	9.25	7.25	10.70	9.92	10.31	90.7
E80	M	5.50	62.7	39,503	2,000	16.00	6.75	1.49	0.31	0.90	11.25	9.49	14.99	13.81	14.40	203.0
E100	M	5.50	134.9	85,000	1,900	21.00	6.75	1.77	1.07	1.42	14.13	10.51	15.27	14.57	14.92	297.0
E120	N	6.00	238.0	150,000 (2)	1,800	25.00	8.12	2.27	0.77	1.52	17.63	11.51	18.51	17.01	17.76	496.0
E140	P	7.00	396.7	250,000 (2)	1,500	30.00	9.38	3.52	-	1.64	20.88	15.01	22.28	-	20.40	835.0

(1) All maximum bore dimensions are based off of shallow keys
(2) Maximum torque is limited by maximum bushing rated torque
(3) Space required to install bushing with open end wrench
(4) Space required to remove bushing with open end wrench
(5) Weight of complete coupling including the bushing at maximum bore
(6) All dimensions in inches
(7) Hubs are reversible and will accommodate different shaft spacing requirements

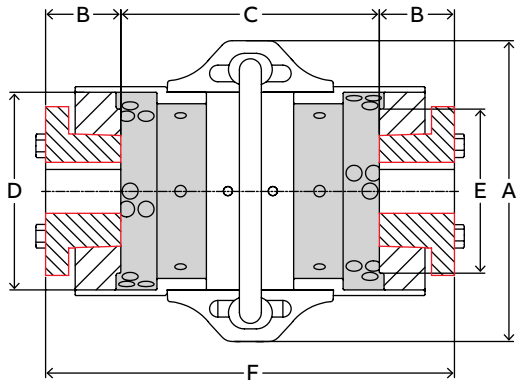
QD bushed part numbers

Coupling size	QD hub	Bushing size	Standard (natural rubber) element	Armored elements	Replacement hardware(1)
4HQD	015811	JA	015845	017128	017001
5HQD	015812	SH	015846	017129	
10HQD	015813	SDS	015847	017130	017180
20HQD	015814	SK	015848	017131	017002
30HQD	015815	SF	015849	017132	
40HQD	015816	E	015850	017133	017003
50HQD	015817	E	015851	017134	
60HQD	015818	F	015852	017135	
70HQD	015819	J	015853	017136	017004
80HQD	015866	M	015854	017137	
100HQD	015204	M	015931	017138	017005
120HQD	015205	N	015932	017139	017006
140HQD	015206	P	015933	017140	017007

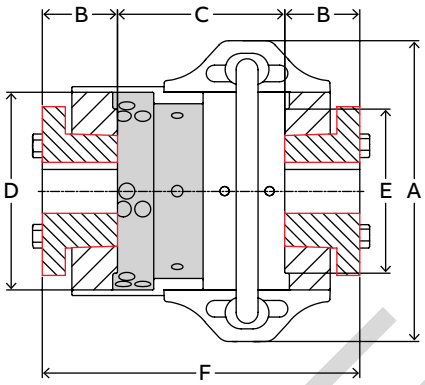
(1) Element assemblies include imperial hardware.
(2) Raptor elements are also available with metric hardware. This requires use of shaft hubs tapped for metric hardware. Reference International Couplings Catalog (9AKK107387) or contact Dodge for more information.

Ratings & dimensions

Spacer - QD bushed



Outboard full spacer



Outboard half spacer

Coupling size	Bushing size	Max. bore (1)	Hp/100	Max rated torque (in.-lbs)	Max. RPM	A	B	D	E	Weight (2) (lbs.)
ES4	JA	1.19	0.89	558	7,500	4.56	1.00	2.60	2.36	4.7
ES5	SH	1.63	1.47	926	7,500	5.38	1.25	3.13	2.80	7.2
ES10	SDS	1.94	2.31	1,456	7,500	6.38	1.31	3.65	3.30	9.0
ES20	SK	2.50	3.66	2,308	6,600	7.25	1.88	4.48	4.00	15.7
ES30	SF	2.94	5.79	3,651	5,800	8.25	2.00	5.42	4.62	24.8
ES40	E	3.50	8.73	5,504	5,000	9.50	2.63	6.63	5.75	43.1
ES50	E	3.50	12.1	7,656	4,200	11.00	2.63	8.13	6.13	58.0
ES60	F	3.94	19.8	12,505	3,800	12.50	3.63	8.75	6.50	91.9
ES70	J	4.50	35.1	22,132	3,600	14.00	4.50	9.25	6.99	115.0
ES80	M	5.50	62.7	39,503	2,000	16.00	6.75	11.25	9.49	240.9

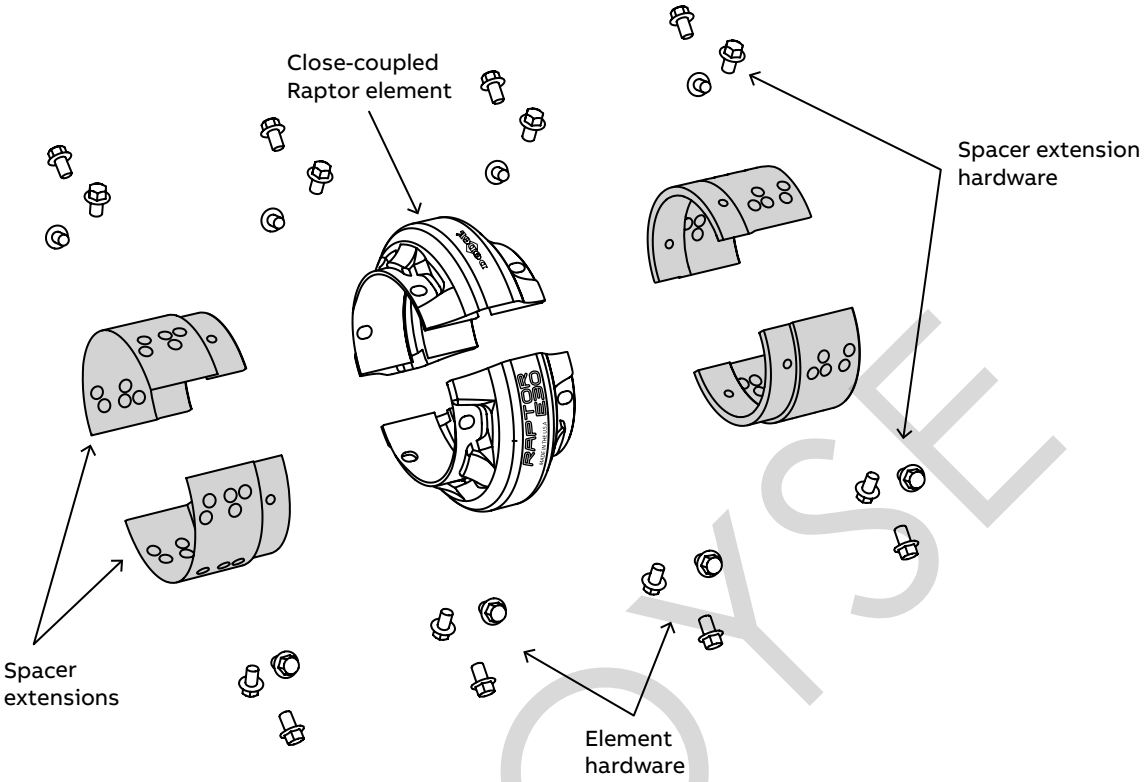
(1) Maximum bores may require use of shallow key. Consult the Dodge PTC Engineering catalog for bushing requirements.
(2) Weight of complete coupling at maximum bore with four spacer extensions
(3) All dimensions in inches

QD bushed spacer length options

Coupling size	Standard (natural rubber) Element part number		Armored elements part number		C (BSE)(4)(5)				F(4)(5)			
					Half spacer		Full spacer		Half spacer		Full spacer	
	Full spacer	Half spacer	Full spacer	Half spacer	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.
ES4	017066	017184	017158	017220	2.64	3.99	4.06	6.07	4.64	5.99	6.06	8.07
ES5	017067	017185	017159	017221	2.64	3.72	3.54	5.55	5.14	6.22	6.04	8.05
ES10	017068	017186	017160	017222	2.58	4.16	3.98	5.99	5.20	6.78	6.60	8.61
ES20	017069	017187	017161	017223	2.66	5.16	4.70	7.70	6.42	8.92	8.46	11.46
ES30	017070	017188	017162	017224	2.76	4.88	4.32	7.32	6.76	8.88	8.32	11.32
ES40	017071	017189	017163	017225	2.61	4.17	4.21	6.34	7.78	9.43	9.47	11.60
ES50	017072	017190	017164	017226	3.27	5.54	5.42	7.94	8.53	10.80	10.68	13.20
ES60	017073	017191	017165	017227	3.05	5.28	4.87	8.42	10.31	12.54	12.13	15.68
ES70	017074	017192	017166	017228	2.88	4.70	4.70	7.70	11.88	13.70	13.70	16.70
ES80	017075	017193	017167	017229	2.99	6.10	5.46	10.70	16.49	19.60	18.98	24.20

(1) Element assemblies include imperial hardware.
(2) Table shows actual spacer lengths.
(3) All calculations based off of outboard hubs.
(4) Hubs are reversible and will accommodate different shaft spacing requirements
(5) Consult factory for minimum shaft spacing

Spacer element component details



Raptor spacer element component part numbers

Coupling size	Complete spacer element assemblies				Replacement components	
	Standard (natural rubber) elements		Close-coupled elements [1] [2]		Spacer extension kit [3] [4]	Replacement hardware
	Full spacer	Half spacer	Standard (natural rubber)	Armored elements		
ES2	017064	017182	015843	017126	017040	017000
ES3	017065	017183	015844	017127	017041	
ES4	017066	017184	015845	017128	017042	017001
ES5	017067	017185	015846	017129	017043	
ES10	017068	017186	015847	017130	017044	017180
ES20	017069	017187	015848	017131	017045	017002
ES30	017070	017188	015849	017132	017046	
ES40	017071	017189	015850	017133	017047	017003
ES50	017072	017190	015851	017134	017048	
ES60	017073	017191	015852	017135	017049	
ES70	017074	017192	015853	017136	017050	017004
ES80	017075	017193	015854	017137	017051	

(1) For replacement on existing Raptor half or full spacer couplings, purchase only close-coupled element if spacer extensions remain on shaft hubs
(2) For replacement on existing Raptor half or full spacer couplings, purchase close-coupled element and one set of replacement hardware if spacer extensions have been removed from shaft hubs
(3) To convert an existing close-coupled Raptor element into a half spacer element, purchase one spacer extension kit
(4) To convert an existing close-coupled Raptor element into a full spacer element, purchase two spacer extension kits

Engineering

AMGA 9002 inch bore and keyway fits

Nominal shaft diameter	Shaft diameter		Clearance fit				Interference fit				Standard keyway (square key)						Shallow keyway (rectangular keys)					
			Hub bore		Fit		Hub bore		Fit		Nominal		Width		Scribe height		Nominal		Width		Scribe height	
	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Width	Height	Min.	Max.	Min.	Max.	Width	Height	Min.	Max.	Min.	Max.
1/2 - 1-1/2 (incl.)	-0.0005	+0.0000	+0.000	+0.0010	-0.0000	+0.0015	-0.0010	-0.0005	-0.0000	-0.0010												
1/2	0.4995	0.5000	0.5000	0.5010	-0.0000	+0.0015	0.4990	0.4995	-0.0000	-0.0010	0.1250	0.1250	0.1250	0.1270	0.5546	0.5646	0.1250	0.0937	0.1250	0.1270	0.5389	0.5489
5/8	0.6245	0.6250	0.6250	0.6260	-0.0000	+0.0015	0.6240	0.6245	-0.0000	-0.0010	0.1250	0.1250	0.1250	0.1270	0.6812	0.6912	0.1250	0.0937	0.1250	0.1270	0.6655	0.6755
3/4	0.7495	0.7500	0.7500	0.7510	-0.0000	+0.0015	0.7490	0.7495	-0.0000	-0.0010	0.1875	0.1875	0.1875	0.1895	0.8318	0.8418	0.1875	0.1250	0.1875	0.1895	0.8006	0.8106
7/8	0.8745	0.8750	0.8750	0.8760	-0.0000	+0.0015	0.8740	0.8745	-0.0000	-0.0010	0.1875	0.1875	0.1875	0.1895	0.9586	0.9686	0.1875	0.1250	0.1875	0.1895	0.9273	0.9373
15/16	0.9370	0.9375	0.9375	0.9385	-0.0000	+0.0015	0.9365	0.9370	-0.0000	-0.0010	0.2500	0.2500	0.2500	0.2520	1.0455	1.0555	0.2500	0.1875	0.2500	0.2520	1.0143	1.0243
1	0.9995	1.0000	1.0000	1.0010	-0.0000	+0.0015	0.9990	0.9995	-0.0000	-0.0010	0.2500	0.2500	0.2500	0.2520	1.1091	1.1191	0.2500	0.1875	0.2500	0.2520	1.0779	1.0879
1-1/16	1.0620	1.0625	1.0625	1.0635	-0.0000	+0.0015	1.0615	1.0620	-0.0000	-0.0010	0.2500	0.2500	0.2500	0.2520	1.1726	1.1826	0.2500	0.1875	0.2500	0.2520	1.1413	1.1513
1-1/8	1.1245	1.1250	1.1250	1.1260	-0.0000	+0.0015	1.1240	1.1245	-0.0000	-0.0010	0.2500	0.2500	0.2500	0.2520	1.2359	1.2459	0.2500	0.1875	0.2500	0.2520	1.2047	1.2147
1-3/16	1.1870	1.1875	1.1875	1.1885	-0.0000	+0.0015	1.1865	1.1870	-0.0000	-0.0010	0.2500	0.2500	0.2500	0.2520	1.2992	1.3092	0.2500	0.1875	0.2500	0.2520	1.2679	1.2779
1-1/4	1.2495	1.2500	1.2500	1.2510	-0.0000	+0.0015	1.2490	1.2495	-0.0000	-0.0010	0.2500	0.2500	0.2500	0.2520	1.3624	1.3724	0.2500	0.1875	0.2500	0.2520	1.3311	1.3411
1-5/16	1.3120	1.3125	1.3125	1.3135	-0.0000	+0.0015	1.3115	1.3120	-0.0000	-0.0010	0.3125	0.3125	0.3125	0.3145	1.4499	1.4599	0.3125	0.2500	0.3125	0.3145	1.4186	1.4286
1-3/8	1.3745	1.3750	1.3750	1.3760	-0.0000	+0.0015	1.3740	1.3745	-0.0000	-0.0010	0.3125	0.3125	0.3125	0.3145	1.5133	1.5233	0.3125	0.2500	0.3125	0.3145	1.4820	1.4920
1-7/16	1.4370	1.4375	1.4375	1.4385	-0.0000	+0.0015	1.4365	1.4370	-0.0000	-0.0010	0.3750	0.3750	0.3750	0.3775	1.6001	1.6101	0.3750	0.2500	0.3750	0.3775	1.5376	1.5476
1-1/2	1.4995	1.5000	1.5000	1.5010	-0.0000	+0.0015	1.4990	1.4995	-0.0000	-0.0010	0.3750	0.3750	0.3750	0.3775	1.6637	1.6737	0.3750	0.2500	0.3750	0.3775	1.6012	1.6112
1-1/2 - 3 (incl.)	-0.0010	+0.0000	+0.000	+0.0010	-0.0000	+0.0020	-0.0020	-0.0010	-0.0000	-0.0020	0.3750	0.3750	0.3750	0.3775			0.3750	0.2500	0.3750	0.3775		
1-9/16	1.5615	1.5625	1.5625	1.5635	-0.0000	+0.0020	1.5605	1.5615	-0.0000	-0.0020	0.3750	0.3750	0.3750	0.3775	1.7272	1.7372	0.3750	0.2500	0.3750	0.3775	1.6647	1.6747
1-5/8	1.6240	1.6250	1.6250	1.6260	-0.0000	+0.0020	1.6230	1.6240	-0.0000	-0.0020	0.3750	0.3750	0.3750	0.3775	1.7906	1.8006	0.3750	0.2500	0.3750	0.3775	1.7281	1.7381
1-11/16	1.6865	1.6875	1.6875	1.6885	-0.0000	+0.0020	1.6855	1.6865	-0.0000	-0.0020	0.3750	0.3750	0.3750	0.3775	1.8539	1.8639	0.3750	0.2500	0.3750	0.3775	1.7914	1.8014
1-3/4	1.7490	1.7500	1.7500	1.7510	-0.0000	+0.0020	1.7480	1.7490	-0.0000	-0.0020	0.3750	0.3750	0.3750	0.3775	1.9172	1.9272	0.3750	0.2500	0.3750	0.3775	1.8547	1.8647
1-13/16	1.8115	1.8125	1.8125	1.8135	-0.0000	+0.0020	1.8105	1.8115	-0.0000	-0.0020	0.5000	0.5000	0.5000	0.5025	2.0273	2.0373	0.5000	0.3750	0.5000	0.5025	1.9648	1.9748
1-7/8	1.8740	1.8750	1.8750	1.8760	-0.0000	+0.0020	1.8730	1.8740	-0.0000	-0.0020	0.5000	0.5000	0.5000	0.5025	2.0911	2.1011	0.5000	0.3750	0.5000	0.5025	2.0286	2.0386
1-15/16	1.9365	1.9375	1.9375	1.9385	-0.0000	+0.0020	1.9355	1.9365	-0.0000	-0.0020	0.5000	0.5000	0.5000	0.5025	2.1547	2.1647	0.5000	0.3750	0.5000	0.5025	2.0922	2.1022
2	1.9990	2.0000	2.0000	2.0010	-0.0000	+0.0020	1.9980	1.9990	-0.0000	-0.0020	0.5000	0.5000	0.5000	0.5025	2.2182	2.2282	0.5000	0.3750	0.5000	0.5025	2.1557	2.1657
2-1/16	2.0615	2.0625	+0.000	+0.0015	-0.0000	+0.0025	2.0605	2.0615	-0.0000	-0.0020	0.5000	0.5000	0.5000	0.5025	2.2817	2.2917	0.5000	0.3750	0.5000	0.5025	2.2192	2.2292
2-1/8	2.1240	2.1250	2.1250	2.1265	-0.0000	+0.0025	2.1230	2.1240	-0.0000	-0.0020	0.5000	0.5000	0.5000	0.5025	2.3452	2.3552	0.5000	0.3750	0.5000	0.5025	2.2827	2.2927
2-3/16	2.1865	2.1875	2.1875	2.1890	-0.0000	+0.0025	2.1855	2.1865	-0.0000	-0.0020	0.5000	0.5000	0.5000	0.5025	2.4085	2.4185	0.5000	0.3750	0.5000	0.5025	2.3460	2.3560
2-1/4	2.2490	2.2500	2.2500	2.2515	-0.0000	+0.0025	2.2480	2.2490	-0.0000	-0.0020	0.5000	0.5000	0.5000	0.5025	2.4719	2.4819	0.5000	0.3750	0.5000	0.5025	2.4094	2.4194
2-5/16	2.3115	2.3125	2.3125	2.3140	-0.0000	+0.0025	2.3105	2.3115	-0.0000	-0.0020	0.6250	0.6250	0.6250	0.6280	2.5820	2.5920	0.6250	0.4375	0.6250	0.6280	2.4882	2.4982
2-3/8	2.3740	2.3750	2.3750	2.3765	-0.0000	+0.0025	2.3730	2.3740	-0.0000	-0.0020	0.6250	0.6250	0.6250	0.6280	2.6456	2.6556	0.6250	0.4375	0.6250	0.6280	2.5519	2.5619
2-7/16	2.4365	2.4375	2.4375	2.4390	-0.0000	+0.0025	2.4355	2.4365	-0.0000	-0.0020	0.6250	0.6250	0.6250	0.6280	2.7093	2.7193	0.6250	0.4375	0.6250	0.6280	2.6155	2.6255
2-1/2	2.4990	2.5000	2.5000	2.5015	-0.0000	+0.0025	2.4980	2.4990	-0.0000	-0.0020	0.6250	0.6250	0.6250	0.6280	2.7728	2.7828	0.6250	0.4375	0.6250	0.6280	2.6791	2.6891
2-9/16	2.5615	2.5625	2.5625	2.5640	-0.0000	+0.0025	2.5605	2.5615	-0.0000	-0.0020	0.6250	0.6250	0.6250	0.6280	2.8363	2.8463	0.6250	0.4375	0.6250	0.6280	2.7426	2.7526
2-5/8	2.6240	2.6250	2.6250	2.6265	-0.0000	+0.0025	2.6230	2.6240	-0.0000	-0.0020	0.6250	0.6250	0.6250	0.6280	2.8998	2.9098	0.6250	0.4375	0.6250	0.6280	2.8060	2.8160
2-11/16	2.6865	2.6875	2.6875	2.6890	-0.0000	+0.0025	2.6855	2.6865	-0.0000	-0.0020	0.6250	0.6250	0.6250	0.6280	2.9632	2.9732	0.6250	0.4375	0.6250	0.6280	2.8694	2.8794
2-3/4	2.7490	2.7500	2.7500	2.7515	-0.0000	+0.0025	2.7480	2.7490	-0.0000	-0.0020	0.6250	0.6250	0.6250	0.6280	3.0265	3.0365	0.6250	0.4375	0.6250	0.6280	2.9328	2.9428
2-13/16	2.8115	2.8125	2.8125	2.8140	-0.0000	+0.0025	2.8105	2.8115	-0.0000	-0.0020	0.7500	0.7500	0.7500	0.7530	3.1366	3.1466	0.7500	0.5000	0.7500	0.7530	3.0116	3.0216
2-7/8	2.8740	2.8750	2.8750	2.8765	-0.0000	+0.0025	2.8730	2.8740	-0.0000	-0.0020	0.7500	0.7500	0.7500	0.7530	3.2002	3.2102	0.7500	0.5000	0.7500	0.7530	3.0752	3.0852
2-15/16	2.9365	2.9375	2.9375	2.9390	-0.0000	+0.0025	2.9355	2.9365	-0.0000	-0.0020	0.7500	0.7500	0.7500	0.7530	3.2638	3.2738	0.7500	0.5000	0.7500	0.7530	3.1388	3.1488
3	2.9990	3.0000	3.0000	3.0015	-0.0000	+0.0025	2.9980	2.9990	-0.0000	-0.0020	0.7500	0.7500	0.7500	0.7530	3.3274	3.3374	0.7500	0.5000	0.7500	0.7530	3.2024	3.2124
3 - 4 (incl.)	-0.0010	+0.0000	3 - 4 (incl.)		-0.0000	+0.0025	-0.0030	-0.0015	-0.0005	-0.0030	0.7500	0.7500	0.7500	0.7530			0.7500	0.5000	0.7500	0.7530		
3-1/16	3.0615	3.0625	3.0625	3.0640	-0.0000	+0.0025	3.0595	3.0610	-0.0005	-0.0030	0.7500	0.7500	0.7500	0.7530	3.3909	3.4009	0.7500	0.5000	0.7500	0.7530	3.2659	3.2759
3-1/8	3.1240	3.1250	3.1250	3.1265	-0.0000	+0.0025	3.1220	3.1235	-0.0005	-0.0030	0.7500	0.7500	0.7500	0.7530	3.4543	3.4643	0.7500	0.5000	0.7500	0.7530	3.3293	3.3393
3-3/16	3.1865	3.1875	3.1875	3.1890	-0.0000	+0.0025	3.1845	3.1860	-0.0005	-0.0030	0.7500	0.7500	0.7500	0.7530	3.5178	3.5278	0.7500	0.5000	0.7500	0.7530	3.3928	3.4028
3-1/4	3.2490	3.2500	3.2500	3.2515	-0.0000	+0.0025	3.2470	3.2485	-0.0005	-0.0030	0.7500	0.7500	0.7500	0.7530	3.5811	3.5911	0.7500	0.5000	0.7500	0.7530	3.4561	3.4661
3-5/16	3.3115	3.3125	3.3125	3.3140	-0.0000	+0.0025	3.3095	3.3110	-0.0005	-0.0030	0.8750	0.8750	0.8750	0.8780	3.6912	3.7012	0.8750	0.6250	0.8750	0.8780	3.5662	3.5762
3-3/8	3.3740	3.3750	3.3750	3.3765	-0.0000	+0.0025	3.3720	3.3735	-0.0005	-0.0030	0.8750	0.8750	0.8750	0.8780	3.7548	3.7648	0.8750	0.6250	0.8750	0.8780	3.6298	3.6398
3-7/16	3.4365	3.4375	3.4375	3.4390	-0.0000	+0.0025	3.4345	3.4360	-0.0005	-0.0030	0.8750	0.8750	0.8750	0.8780	3.8184	3.8284	0.8750	0.6250	0.8750	0.8780	3.6934	3.7034
3-1/2	3.4990	3.5000	3.5000	3.5015	-0.0000	+0.0025	3.4970	3.4985	-0.0005	-0.0030	0.8750	0.8750	0.8750	0.8780	3.8819	3.8919	0.8750	0.6250	0.8750	0.8780	3.7569	3.7669
3-9/16	3.5615	3.5625	3.5625	3.5640	-0.0000	+0.0025	3.5595	3.5610	-0.0005	-0.0030	0.8750	0.8750	0.8750	0.8780	3.9454	3.9554	0.8750	0.6250	0.8750	0.8780	3.8204	3.8304
3-5/8	3.6240	3.6250	3.6250	3.6265	-0.0000	+0.0025	3.6220	3.6235	-0.0005	-0.0030	0.8750	0.8750	0.8750	0.8780	4.0089	4.0189	0.8750	0.6250	0.8750	0.8780	3.8839	3.8939
3-11/16	3.6865	3.6875	3.6875	3.6890	-0.0000	+0.0025	3.6845	3.6860	-0.0005	-0.0030	0.8750	0.8750	0.8750	0.8780	4.0723	4.0823	0.8750	0.6250	0.8750	0.8780	3.9473	3.9573
3-3/4	3.7490	3.7500	3.7500	3.7515	-0.0000	+0.0025	3.7470	3.7485	-0.0005	-0.0030	0.8750	0.8750	0.8750	0.8780	4.1357	4.1457	0.8750	0.6250	0.8750	0.8780	4.0107	4.0207
3-13/16	3.8115	3.8125	3.8125	3.8140	-0.0000	+0.0025	3.8095	3.8110	-0.0005	-0.0030	1.0000	1.0000	1.0000	1.0030	4.2458	4.2558	1.0000	0.7500	1.0000	1.0030	4.1208	4.1308
3-7/8	3.8740	3.8750	3.8750	3.8765	-0.0000	+0.0025	3.8720	3.8735	-0.0005	-0.0030	1.0000	1.0000	1.0000	1.0030	4.3094	4.3194	1.0000	0.7500	1.0000	1.0030	4.1844	4.1944
3 -15/16	3.9365	3.9375	3.9375	3.9390	-0.0000	+0.0025	3.9345	3.9360	-0.0005	-0.0030	1.0000	1.0000	1.0000	1.0030	4.3729	4.3829	1.0000	0.7500	1.0000	1.0030	4.2479	4.2579

Engineering

AMGA 9002 inch bore and keyway fits

Nominal shaft diameter	Shaft diameter		Clearance fit				Interference fit				Standard keyway (square key)						Shallow keyway (rectangular keys)					
			Hub bore		Fit		Hub bore		Fit		Nominal		Width		Scribe height		Nominal		Width		Scribe height	
	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Width	Height	Min.	Max.	Min.	Max.	Width	Height	Min.	Max.	Min.	Max.
4	3.9990	4.0000	4.0000	4.0015	-0.0000	+0.0025	3.9970	3.9985	-0.0005	-0.0030	1.0000	1.0000	1.0000	1.0030	4.4365	4.4465	1.0000	0.7500	1.0000	1.0030	4.3115	4.3215
4 - 5 (incl.)	-0.0010	+0.0000	4 - 5 (incl.)		-0.0000	+0.0025	-0.0035	-0.0020	-0.0010	-0.0035	1.0000	1.0000	1.0000	1.0030			1.0000	0.7500	1.0000	1.0030		
4-1/16	4.0615	4.0625	4.0625	4.0640	-0.0000	+0.0025	4.0590	4.0605	-0.0010	-0.0035	1.0000	1.0000	1.0000	1.0030	4.5000	4.5100	1.0000	0.7500	1.0000	1.0030	4.3750	4.3850
4-1/8	4.1240	4.1250	4.1250	4.1265	-0.0000	+0.0025	4.1215	4.1230	-0.0010	-0.0035	1.0000	1.0000	1.0000	1.0030	4.5635	4.5735	1.0000	0.7500	1.0000	1.0030	4.4385	4.4485
4-3/16	4.1865	4.1875	4.1875	4.1890	-0.0000	+0.0025	4.1840	4.1855	-0.0010	-0.0035	1.0000	1.0000	1.0000	1.0030	4.6269	4.6369	1.0000	0.7500	1.0000	1.0030	4.5019	4.5119
4-1/4	4.2490	4.2500	4.2500	4.2515	-0.0000	+0.0025	4.2465	4.2480	-0.0010	-0.0035	1.0000	1.0000	1.0000	1.0030	4.6903	4.7003	1.0000	0.7500	1.0000	1.0030	4.5653	4.5753
4-5/16	4.3115	4.3125	4.3125	4.3140	-0.0000	+0.0025	4.3090	4.3105	-0.0010	-0.0035	1.0000	1.0000	1.0000	1.0030	4.7537	4.7637	1.0000	0.7500	1.0000	1.0030	4.6287	4.6387
4-3/8	4.3740	4.3750	4.3750	4.3765	-0.0000	+0.0025	4.3715	4.3730	-0.0010	-0.0035	1.0000	1.0000	1.0000	1.0030	4.8171	4.8271	1.0000	0.7500	1.0000	1.0030	4.6921	4.7021
4-7/16	4.4365	4.4375	4.4375	4.4390	-0.0000	+0.0025	4.4340	4.4355	-0.0010	-0.0035	1.0000	1.0000	1.0000	1.0030	4.8804	4.8904	1.0000	0.7500	1.0000	1.0030	4.7554	4.7654
4-1/2	4.4990	4.5000	4.5000	4.5015	-0.0000	+0.0025	4.4965	4.4980	-0.0010	-0.0035	1.0000	1.0000	1.0000	1.0030	4.9437	4.9537	1.0000	0.7500	1.0000	1.0030	4.8187	4.8287
4-9/16	4.5615	4.5625	4.5625	4.5640	-0.0000	+0.0025	4.5590	4.5605	-0.0010	-0.0035	1.2500	1.2500	1.2500	1.2535	5.1002	5.1102	1.2500	0.8750	1.2500	1.2535	4.9127	4.9227
4-5/8	4.6240	4.6250	4.6250	4.6265	-0.0000	+0.0025	4.6215	4.6230	-0.0010	-0.0035	1.2500	1.2500	1.2500	1.2535	5.1639	5.1739	1.2500	0.8750	1.2500	1.2535	4.9764	4.9864
4-11/16	4.6865	4.6875	4.6875	4.6890	-0.0000	+0.0025	4.6840	4.6855	-0.0010	-0.0035	1.2500	1.2500	1.2500	1.2535	5.2276	5.2376	1.2500	0.8750	1.2500	1.2535	5.0401	5.0501
4-3/4	4.7490	4.7500	4.7500	4.7515	-0.0000	+0.0025	4.7465	4.7480	-0.0010	-0.0035	1.2500	1.2500	1.2500	1.2535	5.2913	5.3013	1.2500	0.8750	1.2500	1.2535	5.1038	5.1138
4-13/16	4.8115	4.8125	4.8125	4.8140	-0.0000	+0.0025	4.8090	4.8105	-0.0010	-0.0035	1.2500	1.2500	1.2500	1.2535	5.3549	5.3649	1.2500	0.8750	1.2500	1.2535	5.1674	5.1774
4-7/8	4.8740	4.8750	4.8750	4.8765	-0.0000	+0.0025	4.8715	4.8730	-0.0010	-0.0035	1.2500	1.2500	1.2500	1.2535	5.4185	5.4285	1.2500	0.8750	1.2500	1.2535	5.2310	5.2410
4-15/16	4.9365	4.9375	4.9375	4.9390	-0.0000	+0.0025	4.9340	4.9355	-0.0010	-0.0035	1.2500	1.2500	1.2500	1.2535	5.4821	5.4921	1.2500	0.8750	1.2500	1.2535	5.2946	5.3046
5	4.9990	5.0000	5.0000	5.0015	-0.0000	+0.0025	4.9965	4.9980	-0.0010	-0.0035	1.2500	1.2500	1.2500	1.2535	5.5456	5.5556	1.2500	0.8750	1.2500	1.2535	5.3581	5.3681
5 - 6-1/2 (incl.)	-0.0010	+0.0000	5- 6 1/2 (incl.)		-0.0000	+0.0025	-0.0040	-0.0025	-0.0015	-0.0040	1.2500	1.2500	1.2500	1.2535			1.2500	0.8750	1.2500	1.2535		
5-1/16	5.0615	5.0625	5.0625	5.0640	-0.0000	+0.0025	5.0585	5.0600	-0.0015	-0.0040	1.2500	1.2500	1.2500	1.2535	5.6091	5.6191	1.2500	0.8750	1.2500	1.2535	5.4216	5.4316
5-1/8	5.1240	5.1250	5.1250	5.1265	-0.0000	+0.0025	5.1210	5.1225	-0.0015	-0.0040	1.2500	1.2500	1.2500	1.2535	5.6726	5.6826	1.2500	0.8750	1.2500	1.2535	5.4851	5.4951
5-3/16	5.1865	5.1875	5.1875	5.1890	-0.0000	+0.0025	5.1835	5.1850	-0.0015	-0.0040	1.2500	1.2500	1.2500	1.2535	5.7361	5.7461	1.2500	0.8750	1.2500	1.2535	5.5486	5.5586
5-1/4	5.2490	5.2500	5.2500	5.2515	-0.0000	+0.0025	5.2460	5.2475	-0.0015	-0.0040	1.2500	1.2500	1.2500	1.2535	5.7995	5.8095	1.2500	0.8750	1.2500	1.2535	5.6120	5.6220
5-5/16	5.3115	5.3125	5.3125	5.3140	-0.0000	+0.0025	5.3085	5.3100	-0.0015	-0.0040	1.2500	1.2500	1.2500	1.2535	5.8629	5.8729	1.2500	0.8750	1.2500	1.2535	5.6754	5.6854
5-3/8	5.3740	5.3750	5.3750	5.3765	-0.0000	+0.0025	5.3710	5.3725	-0.0015	-0.0040	1.2500	1.2500	1.2500	1.2535	5.9263	5.9363	1.2500	0.8750	1.2500	1.2535	5.7388	5.7488
5-7/16	5.4365	5.4375	5.4375	5.4390	-0.0000	+0.0025	5.4335	5.4350	-0.0015	-0.0040	1.2500	1.2500	1.2500	1.2535	5.9897	5.9997	1.2500	0.8750	1.2500	1.2535	5.8022	5.8122
5-1/2	5.4990	5.5000	5.5000	5.5015	-0.0000	+0.0025	5.4960	5.4975	-0.0015	-0.0040	1.2500	1.2500	1.2500	1.2535	6.0530	6.0630	1.2500	0.8750	1.2500	1.2535	5.8655	5.8755
5-9/16	5.5615	5.5625	5.5625	5.5640	-0.0000	+0.0025	5.5585	5.5600	-0.0015	-0.0040	1.5000	1.5000	1.5000	1.5035	6.2095	6.2195	1.5000	1.0000	1.5000	1.5035	5.9595	5.9695
5-5/8	5.6240	5.6250	5.6250	5.6265	-0.0000	+0.0025	5.6210	5.6225	-0.0015	-0.0040	1.5000	1.5000	1.5000	1.5035	6.2732	6.2832	1.5000	1.0000	1.5000	1.5035	6.0232	6.0332
5-11/16	5.6865	5.6875	5.6875	5.6890	-0.0000	+0.0025	5.6835	5.6850	-0.0015	-0.0040	1.5000	1.5000	1.5000	1.5035	6.3368	6.3468	1.5000	1.0000	1.5000	1.5035	6.0868	6.0968
5-3/4	5.7490	5.7500	5.7500	5.7515	-0.0000	+0.0025	5.7460	5.7475	-0.0015	-0.0040	1.5000	1.5000	1.5000	1.5035	6.4005	6.4105	1.5000	1.0000	1.5000	1.5035	6.1505	6.1605
5-13/16	5.8115	5.8125	5.8125	5.8140	-0.0000	+0.0025	5.8085	5.8100	-0.0015	-0.0040	1.5000	1.5000	1.5000	1.5035	6.4641	6.4741	1.5000	1.0000	1.5000	1.5035	6.2141	6.2241
5-7/8	5.8740	5.8750	5.8750	5.8765	-0.0000	+0.0025	5.8710	5.8725	-0.0015	-0.0040	1.5000	1.5000	1.5000	1.5035	6.5276	6.5376	1.5000	1.0000	1.5000	1.5035	6.2776	6.2876
5-15/16	5.9365	5.9375	5.9375	5.9390	-0.0000	+0.0025	5.9335	5.9350	-0.0015	-0.0040	1.5000	1.5000	1.5000	1.5035	6.5912	6.6012	1.5000	1.0000	1.5000	1.5035	6.3412	6.3512
6	5.9990	6.0000	6.0000	6.0015	-0.0000	+0.0025	5.9960	5.9975	-0.0015	-0.0040	1.5000	1.5000	1.5000	1.5035	6.6547	6.6647	1.5000	1.0000	1.5000	1.5035	6.4047	6.4147
6-1/16	6.0615	6.0625	6.0625	6.0640	-0.0000	+0.0025	6.0585	6.0600	-0.0015	-0.0040	1.5000	1.5000	1.5000	1.5035	6.7183	6.7283	1.5000	1.0000	1.5000	1.5035	6.4683	6.4783
6-1/8	6.1240	6.1250	6.1250	6.1265	-0.0000	+0.0025	6.1210	6.1225	-0.0015	-0.0040	1.5000	1.5000	1.5000	1.5035	6.7817	6.7917	1.5000	1.0000	1.5000	1.5035	6.5317	6.5417
6-3/16	6.1865	6.1875	6.1875	6.1890	-0.0000	+0.0025	6.1835	6.1850	-0.0015	-0.0040	1.5000	1.5000	1.5000	1.5035	6.8452	6.8552	1.5000	1.0000	1.5000	1.5035	6.5952	6.6052
6-1/4	6.2490	6.2500	6.2500	6.2515	-0.0000	+0.0025	6.2460	6.2475	-0.0015	-0.0040	1.5000	1.5000	1.5000	1.5035	6.9087	6.9187	1.5000	1.0000	1.5000	1.5035	6.6587	6.6687
6-5/16	6.3115	6.3125	6.3125	6.3140	-0.0000	+0.0025	6.3085	6.3100	-0.0015	-0.0040	1.5000	1.5000	1.5000	1.5035	6.9721	6.9821	1.5000	1.0000	1.5000	1.5035	6.7221	6.7321
6-3/8	6.3740	6.3750	6.3750	6.3765	-0.0000	+0.0025	6.3710	6.3725	-0.0015	-0.0040	1.5000	1.5000	1.5000	1.5035	7.0355	7.0455	1.5000	1.0000	1.5000	1.5035	6.7855	6.7955
6-7/16	6.4365	6.4375					6.4335	6.4350	-0.0015	-0.0040	1.5000	1.5000	1.5000	1.5035	7.0989	7.1089	1.5000	1.0000	1.5000	1.5035	6.8489	6.8589
6-1/2	6.4990	6.5000					6.4960	6.4975	-0.0015	-0.0040	1.5000	1.5000	1.5000	1.5035	7.1623	7.1723	1.5000	1.0000	1.5000	1.5035	6.9123	6.9223
6-1/2 - 7 (incl.)	-0.0010	+0.0000					-0.0040	-0.0025	-0.0015	-0.0040	1.5000	1.5000	1.5000	1.5035			1.5000	1.0000	1.5000	1.5035		
6-9/16	6.5615	6.5625					6.5585	6.5600	-0.0015	-0.0040	1.7500	1.7500	1.7500	1.7540	7.3187	7.3287	1.7500	1.5000	1.7500	1.7540	7.1937	7.2037
6-5/8	6.6240	6.6250					6.6210	6.6225	-0.0015	-0.0040	1.7500	1.7500	1.7500	1.7540	7.3823	7.3923	1.7500	1.5000	1.7500	1.7540	7.2573	7.2673
6-11/16	6.6865	6.6875					6.6835	6.6850	-0.0015	-0.0040	1.7500	1.7500	1.7500	1.7540	7.4460	7.4560	1.7500	1.5000	1.7500	1.7540	7.3210	7.3310
6-3/4	6.7490	6.7500					6.7460	6.7475	-0.0015	-0.0040	1.7500	1.7500	1.7500	1.7540	7.5096	7.5196	1.7500	1.5000	1.7500	1.7540	7.3846	7.3946
6-13/16	6.8115	6.8125					6.8085	6.8100	-0.0015	-0.0040	1.7500	1.7500	1.7500	1.7540	7.5732	7.5832	1.7500	1.5000	1.7500	1.7540	7.4482	7.4582
6-7/8	6.8740	6.8750					6.8710	6.8725	-0.0015	-0.0040	1.7500	1.7500	1.7500	1.7540	7.6368	7.6468	1.7500	1.5000	1.7500	1.7540	7.5118	7.5218
6-15/16	6.9365	6.9375					6.9335	6.9350	-0.0015	-0.0040	1.7500	1.7500	1.7500	1.7540	7.7003	7.7103	1.7500	1.5000	1.7500	1.7540	7.5753	7.5853
7	6.9990	7.0000					6.9960	6.9975	-0.0015	-0.0040	1.7500	1.7500	1.7500	1.7540	7.7639	7.7739	1.7500	1.5000	1.7500	1.7540	7.6389	7.6489
7 - 8 (incl.)	-0.0010	+0.0000					-0.0050	-0.0030	-0.0020	-0.0050	1.7500	1.7500	1.7500	1.7540			1.7500	1.5000	1.7500	1.7540		
7-1/16	7.0615	7.0625					7.0575	7.0595	-0.0020	-0.0050	1.7500	1.7500	1.7500	1.7540	7.8274	7.8374	1.7500	1.5000	1.7500	1.7540	7.7024	7.7124
7-1/8	7.1240	7.1250					7.1200	7.1220	-0.0020	-0.0050	1.7500	1.7500	1.7500	1.7540	7.8909	7.9009	1.7500	1.5000	1.7500	1.7540	7.7659	7.7759
7-3/16	7.1865	7.1875					7.1825	7.1845	-0.0020	-0.0050	1.7500	1.7500	1.7500	1.7540	7.9544	7.9644	1.7500	1.5000	1.7500	1.7540	7.8294	7.8394

Nominal shaft diameter	Shaft diameter		Clearance fit				Interference fit				Standard keyway (square key)						Shallow keyway (rectangular keys)					
			Hub bore		Fit		Hub bore		Fit		Nominal		Width		Scribe height		Nominal		Width		Scribe height	
	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Width	Height	Min.	Max.	Min.	Max.	Width	Height	Min.	Max.	Min.	Max.
7-1/4	7.2490	7.2500					7.2450	7.2470	-0.0020	-0.0050	1.7500	1.7500	1.7500	1.7540	8.0178	8.0278	1.7500	1.5000	1.7500	1.7540	7.8928	7.9028
7-5/16	7.3115	7.3125					7.3075	7.3095	-0.0020	-0.0050	1.7500	1.7500	1.7500	1.7540	8.0813	8.0913	1.7500	1.5000	1.7500	1.7540	7.9563	7.9663
7-3/8	7.3740	7.3750					7.3700	7.3720	-0.0020	-0.0050	1.7500	1.7500	1.7500	1.7540	8.1447	8.1547	1.7500	1.5000	1.7500	1.7540	8.0197	8.0297
7-7/16	7.4365	7.4375					7.4325	7.4345	-0.0020	-0.0050	1.7500	1.7500	1.7500	1.7540	8.2081	8.2181	1.7500	1.5000	1.7500	1.7540	8.0831	8.0931
7-1/2	7.4990	7.5000					7.4950	7.4970	-0.0020	-0.0050	1.7500	1.7500	1.7500	1.7540	8.2715	8.2815	1.7500	1.5000	1.7500	1.7540	8.1465	8.1565
7-9/16	7.5615	7.5625					7.5575	7.5595	-0.0020	-0.0050	2.0000	2.0000	2.0000	2.0040	8.4279	8.4379	2.0000	1.5000	2.0000	2.0040	8.1779	8.1879
7-5/8	7.6240	7.6250					7.6200	7.6220	-0.0020	-0.0050	2.0000	2.0000	2.0000	2.0040	8.4915	8.5015	2.0000	1.5000	2.0000	2.0040	8.2415	8.2515
7-11/16	7.6865	7.6875					7.6825	7.6845	-0.0020	-0.0050	2.0000	2.0000	2.0000	2.0040	8.5551	8.5651	2.0000	1.5000	2.0000	2.0040	8.3051	8.3151
7-3/4	7.7490	7.7500					7.7450	7.7470	-0.0020	-0.0050	2.0000	2.0000	2.0000	2.0040	8.6187	8.6287	2.0000	1.5000	2.0000	2.0040	8.3687	8.3787
7-13/16	7.8115	7.8125					7.8075	7.8095	-0.0020	-0.0050	2.0000	2.0000	2.0000	2.0040	8.6823	8.6923	2.0000	1.5000	2.0000	2.0040	8.4323	8.4423
7-7/8	7.8740	7.8750					7.8700	7.8720	-0.0020	-0.0050	2.0000	2.0000	2.0000	2.0040	8.7459	8.7559	2.0000	1.5000	2.0000	2.0040	8.4959	8.5059
7-15/16	7.9365	7.9375					7.9325	7.9345	-0.0020	-0.0050	2.0000	2.0000	2.0000	2.0040	8.8095	8.8195	2.0000	1.5000	2.0000	2.0040	8.5595	8.5695
8	7.9990	8.0000					7.9950	7.9970	-0.0020	-0.0050	2.0000	2.0000	2.0000	2.0040	8.8730	8.8830	2.0000	1.5000	2.0000	2.0040	8.6230	8.6330
8 - 9 (incl.)	-0.0010	+0.0000					-0.0055	-0.0035	-0.0025	-0.0055	2.0000	2.0000	2.0000	2.0040			2.0000	1.5000	2.0000	2.0040		
8-1/16	8.0615	8.0625					8.0570	8.0590	-0.0025	-0.0055	2.0000	2.0000	2.0000	2.0040	8.9365	8.9465	2.0000	1.5000	2.0000	2.0040	8.6865	8.6965
8-1/8	8.1240	8.1250					8.1195	8.1215	-0.0025	-0.0055	2.0000	2.0000	2.0000	2.0040	9.0000	9.0100	2.0000	1.5000	2.0000	2.0040	8.7500	8.7600
8-3/16	8.1865	8.1875					8.1820	8.1840	-0.0025	-0.0055	2.0000	2.0000	2.0000	2.0040	9.0635	9.0735	2.0000	1.5000	2.0000	2.0040	8.8135	8.8235
8-1/4	8.2490	8.2500					8.2445	8.2465	-0.0025	-0.0055	2.0000	2.0000	2.0000	2.0040	9.1270	9.1370	2.0000	1.5000	2.0000	2.0040	8.8770	8.8870
8-5/16	8.3115	8.3125					8.3070	8.3090	-0.0025	-0.0055	2.0000	2.0000	2.0000	2.0040	9.1904	9.2004	2.0000	1.5000	2.0000	2.0040	8.9404	8.9504
8-3/8	8.3740	8.3750					8.3695	8.3715	-0.0025	-0.0055	2.0000	2.0000	2.0000	2.0040	9.2538	9.2638	2.0000	1.5000	2.0000	2.0040	9.0038	9.0138
8-7/16	8.4365	8.4375					8.4320	8.4340	-0.0025	-0.0055	2.0000	2.0000	2.0000	2.0040	9.3173	9.3273	2.0000	1.5000	2.0000	2.0040	9.0673	9.0773
8-1/2	8.4990	8.5000					8.4945	8.4965	-0.0025	-0.0055	2.0000	2.0000	2.0000	2.0040	9.3807	9.3907	2.0000	1.5000	2.0000	2.0040	9.1307	9.1407
8-9/16	8.5615	8.5625					8.5570	8.5590	-0.0025	-0.0055	2.0000	2.0000	2.0000	2.0040	9.4441	9.4541	2.0000	1.5000	2.0000	2.0040	9.1941	9.2041
8-5/8	8.6240	8.6250					8.6195	8.6215	-0.0025	-0.0055	2.0000	2.0000	2.0000	2.0040	9.5075	9.5175	2.0000	1.5000	2.0000	2.0040	9.2575	9.2675
8-11/16	8.6865	8.6875					8.6820	8.6840	-0.0025	-0.0055	2.0000	2.0000	2.0000	2.0040	9.5708	9.5808	2.0000	1.5000	2.0000	2.0040	9.3208	9.3308
8-3/4	8.7490	8.7500					8.7445	8.7465	-0.0025	-0.0055	2.0000	2.0000	2.0000	2.0040	9.6342	9.6442	2.0000	1.5000	2.0000	2.0040	9.3842	9.3942
8-13/16	8.8115	8.8125					8.8070	8.8090	-0.0025	-0.0055	2.0000	2.0000	2.0000	2.0040	9.6975	9.7075	2.0000	1.5000	2.0000	2.0040	9.4475	9.4575
8-7/8	8.8740	8.8750					8.8695	8.8715	-0.0025	-0.0055	2.0000	2.0000	2.0000	2.0040	9.7609	9.7709	2.0000	1.5000	2.0000	2.0040	9.5109	9.5209
8-15/16	8.9365	8.9375					8.9320	8.9340	-0.0025	-0.0055	2.0000	2.0000	2.0000	2.0040	9.8242	9.8342	2.0000	1.5000	2.0000	2.0040	9.5742	9.5842
9	8.9990	9.0000					8.9945	8.9965	-0.0025	-0.0055	2.0000	2.0000	2.0000	2.0040	9.8875	9.8975	2.0000	1.5000	2.0000	2.0040	9.6375	9.6475
9 - 10 (incl.)	-0.0010	+0.0000					-0.0060	-0.0040	-0.0030	-0.0060	2.0000	2.0000	2.0000	2.0040			2.0000	1.5000	2.0000	2.0040		
9-1/16	9.0615	9.0625					9.0565	9.0585	-0.0030	-0.0060	2.5000	2.5000	2.5000	2.5040	10.1367	10.1467	2.5000	1.7500	2.5000	2.5040	9.7617	9.7717
9-1/8	9.1240	9.1250					9.1190	9.1210	-0.0030	-0.0060	2.5000	2.5000	2.5000	2.5040	10.2004	10.2104	2.5000	1.7500	2.5000	2.5040	9.8254	9.8354
9-3/16	9.1865	9.1875					9.1815	9.1835	-0.0030	-0.0060	2.5000	2.5000	2.5000	2.5040	10.2642	10.2742	2.5000	1.7500	2.5000	2.5040	9.8892	9.8992
9-1/4	9.2490	9.2500					9.2440	9.2460	-0.0030	-0.0060	2.5000	2.5000	2.5000	2.5040	10.3279	10.3379	2.5000	1.7500	2.5000	2.5040	9.9529	9.9629
9-5/16	9.3115	9.3125					9.3065	9.3085	-0.0030	-0.0060	2.5000	2.5000	2.5000	2.5040	10.3916	10.4016	2.5000	1.7500	2.5000	2.5040	10.0166	10.0266
9-3/8	9.3740	9.3750					9.3690	9.3710	-0.0030	-0.0060	2.5000	2.5000	2.5000	2.5040	10.4553	10.4653	2.5000	1.7500	2.5000	2.5040	10.0803	10.0903
9-7/16	9.4365	9.4375					9.4315	9.4335	-0.0030	-0.0060	2.5000	2.5000	2.5000	2.5040	10.5189	10.5289	2.5000	1.7500	2.5000	2.5040	10.1439	10.1539
9-1/2	9.4990	9.5000					9.4940	9.4960	-0.0030	-0.0060	2.5000	2.5000	2.5000	2.5040	10.5826	10.5926	2.5000	1.7500	2.5000	2.5040	10.2076	10.2176
9-9/16	9.5615	9.5625					9.5565	9.5585	-0.0030	-0.0060	2.5000	2.5000	2.5000	2.5040	10.6462	10.6562	2.5000	1.7500	2.5000	2.5040	10.2712	10.2812
9-5/8	9.6240	9.6250					9.6190	9.6210	-0.0030	-0.0060	2.5000	2.5000	2.5000	2.5040	10.7098	10.7198	2.5000	1.7500	2.5000	2.5040	10.3348	10.3448
9-11/16	9.6865	9.6875					9.6815	9.6835	-0.0030	-0.0060	2.5000	2.5000	2.5000	2.5040	10.7734	10.7834	2.5000	1.7500	2.5000	2.5040	10.3984	10.4084
9-3/4	9.7490	9.7500					9.7440	9.7460	-0.0030	-0.0060	2.5000	2.5000	2.5000	2.5040	10.8370	10.8470	2.5000	1.7500	2.5000	2.5040	10.4620	10.4720
9-13/16	9.8115	9.8125					9.8065	9.8085	-0.0030	-0.0060	2.5000	2.5000	2.5000	2.5040	10.9006	10.9106	2.5000	1.7500	2.5000	2.5040	10.5256	10.5356
9-7/8	9.8740	9.8750					9.8690	9.8710	-0.0030	-0.0060	2.5000	2.5000	2.5000	2.5040	10.9642	10.9742	2.5000	1.7500	2.5000	2.5040	10.5892	10.5992
9-15/16	9.9365	9.9375					9.9315	9.9335	-0.0030	-0.0060	2.5000	2.5000	2.5000	2.5040	11.0277	11.0377	2.5000	1.7500	2.5000	2.5040	10.6527	10.6627

Engineering

AMGA 9002 inch bore and keyway fits

Nominal shaft diameter	Shaft diameter		Clearance fit				Interference fit				Standard keyway (square key)						Shallow keyway (rectangular keys)					
			Hub bore		Fit		Hub bore		Fit		Nominal		Width		Scribe height		Nominal		Width		Scribe height	
	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Width	Height	Min.	Max.	Min.	Max.	Width	Height	Min.	Max.	Min.	Max.
10	9.9990	10.0000					9.9940	9.9960	-0.0030	-0.0060	2.5000	2.5000	2.5000	2.5040	11.0912	11.1012	2.5000	1.7500	2.5000	2.5040	10.7162	10.7262
10 - 11 (incl.)	-0.0010	+0.0000					-0.0065	-0.0045	-0.0035	-0.0065	2.5000	2.5000	2.5000	2.5040			2.5000	1.7500	2.5000	2.5040		
10-1/16	10.0615	10.0625					10.0560	10.0580	-0.0035	-0.0065	2.5000	2.5000	2.5000	2.5040	11.1547	11.1647	2.5000	1.7500	2.5000	2.5040	10.7797	10.7897
10-1/8	10.1240	10.1250					10.1185	10.1205	-0.0035	-0.0065	2.5000	2.5000	2.5000	2.5040	11.2183	11.2283	2.5000	1.7500	2.5000	2.5040	10.8433	10.8533
10-3/16	10.1865	10.1875					10.1810	10.1830	-0.0035	-0.0065	2.5000	2.5000	2.5000	2.5040	11.2817	11.2917	2.5000	1.7500	2.5000	2.5040	10.9067	10.9167
10-1/4	10.2490	10.2500					10.2435	10.2455	-0.0035	-0.0065	2.5000	2.5000	2.5000	2.5040	11.3452	11.3552	2.5000	1.7500	2.5000	2.5040	10.9702	10.9802
10-5/16	10.3115	10.3125					10.3060	10.3080	-0.0035	-0.0065	2.5000	2.5000	2.5000	2.5040	11.4087	11.4187	2.5000	1.7500	2.5000	2.5040	11.0337	11.0437
10-3/8	10.3740	10.3750					10.3685	10.3705	-0.0035	-0.0065	2.5000	2.5000	2.5000	2.5040	11.4721	11.4821	2.5000	1.7500	2.5000	2.5040	11.0971	11.1071
10-7/16	10.4365	10.4375					10.4310	10.4330	-0.0035	-0.0065	2.5000	2.5000	2.5000	2.5040	11.5356	11.5456	2.5000	1.7500	2.5000	2.5040	11.1606	11.1706
10-1/2	10.4990	10.5000					10.4935	10.4955	-0.0035	-0.0065	2.5000	2.5000	2.5000	2.5040	11.5990	11.6090	2.5000	1.7500	2.5000	2.5040	11.2240	11.2340
10-9/16	10.5615	10.5625					10.5560	10.5580	-0.0035	-0.0065	2.5000	2.5000	2.5000	2.5040	11.6624	11.6724	2.5000	1.7500	2.5000	2.5040	11.2874	11.2974
10-5/8	10.6240	10.6250					10.6185	10.6205	-0.0035	-0.0065	2.5000	2.5000	2.5000	2.5040	11.7258	11.7358	2.5000	1.7500	2.5000	2.5040	11.3508	11.3608
10-11/16	10.6865	10.6875					10.6810	10.6830	-0.0035	-0.0065	2.5000	2.5000	2.5000	2.5040	11.7892	11.7992	2.5000	1.7500	2.5000	2.5040	11.4142	11.4242
10-3/4	10.7490	10.7500					10.7435	10.7455	-0.0035	-0.0065	2.5000	2.5000	2.5000	2.5040	11.8526	11.8626	2.5000	1.7500	2.5000	2.5040	11.4776	11.4876
10-13/16	10.8115	10.8125					10.8060	10.8080	-0.0035	-0.0065	2.5000	2.5000	2.5000	2.5040	11.9160	11.9260	2.5000	1.7500	2.5000	2.5040	11.5410	11.5510
10-7/8	10.8740	10.8750					10.8685	10.8705	-0.0035	-0.0065	2.5000	2.5000	2.5000	2.5040	11.9794	11.9894	2.5000	1.7500	2.5000	2.5040	11.6044	11.6144
10-15/16	10.9365	10.9375					10.9310	10.9330	-0.0035	-0.0065	2.5000	2.5000	2.5000	2.5040	12.0427	12.0527	2.5000	1.7500	2.5000	2.5040	11.6677	11.6777
11	10.9990	11.0000					10.9935	10.9955	-0.0035	-0.0065	2.5000	2.5000	2.5000	2.5040	12.1061	12.1161	2.5000	1.7500	2.5000	2.5040	11.7311	11.7411
11 - 12 (incl.)	-0.0010	+0.0000					-0.0070	-0.0050	-0.0040	-0.0070	2.5000	2.5000	2.5000	2.5040			2.5000	1.7500	2.5000	2.5040		
11-1/16	11.0615	11.0625					11.0555	11.0575	-0.0040	-0.0070	3.0000	3.0000	3.0000	3.0040	12.3552	12.3652	3.0000	2.0000	3.0000	3.0040	11.8552	11.8652
11-1/8	11.1240	11.1250					11.1180	11.1200	-0.0040	-0.0070	3.0000	3.0000	3.0000	3.0040	12.4189	12.4289	3.0000	2.0000	3.0000	3.0040	11.9189	11.9289
11-3/16	11.1865	11.1875					11.1805	11.1825	-0.0040	-0.0070	3.0000	3.0000	3.0000	3.0040	12.4826	12.4926	3.0000	2.0000	3.0000	3.0040	11.9826	11.9926
11-1/4	11.2490	11.2500					11.2430	11.2450	-0.0040	-0.0070	3.0000	3.0000	3.0000	3.0040	12.5463	12.5563	3.0000	2.0000	3.0000	3.0040	12.0463	12.0563
11-5/16	11.3115	11.3125					11.3055	11.3075	-0.0040	-0.0070	3.0000	3.0000	3.0000	3.0040	12.6100	12.6200	3.0000	2.0000	3.0000	3.0040	12.1100	12.1200
11-3/8	11.3740	11.3750					11.3680	11.3700	-0.0040	-0.0070	3.0000	3.0000	3.0000	3.0040	12.6736	12.6836	3.0000	2.0000	3.0000	3.0040	12.1736	12.1836
11-7/16	11.4365	11.4375					11.4305	11.4325	-0.0040	-0.0070	3.0000	3.0000	3.0000	3.0040	12.7373	12.7473	3.0000	2.0000	3.0000	3.0040	12.2373	12.2473
11-1/2	11.4990	11.5000					11.4930	11.4950	-0.0040	-0.0070	3.0000	3.0000	3.0000	3.0040	12.8009	12.8109	3.0000	2.0000	3.0000	3.0040	12.3009	12.3109
11-9/16	11.5615	11.5625					11.5555	11.5575	-0.0040	-0.0070	3.0000	3.0000	3.0000	3.0040	12.8645	12.8745	3.0000	2.0000	3.0000	3.0040	12.3645	12.3745
11-5/8	11.6240	11.6250					11.6180	11.6200	-0.0040	-0.0070	3.0000	3.0000	3.0000	3.0040	12.9281	12.9381	3.0000	2.0000	3.0000	3.0040	12.4281	12.4381
11-11/16	11.6865	11.6875					11.6805	11.6825	-0.0040	-0.0070	3.0000	3.0000	3.0000	3.0040	12.9917	13.0017	3.0000	2.0000	3.0000	3.0040	12.4917	12.5017
11-3/4	11.7490	11.7500					11.7430	11.7450	-0.0040	-0.0070	3.0000	3.0000	3.0000	3.0040	13.0553	13.0653	3.0000	2.0000	3.0000	3.0040	12.5553	12.5653
11-13/16	11.8115	11.8125					11.8055	11.8075	-0.0040	-0.0070	3.0000	3.0000	3.0000	3.0040	13.1188	13.1288	3.0000	2.0000	3.0000	3.0040	12.6188	12.6288
11-7/8	11.8740	11.8750					11.8680	11.8700	-0.0040	-0.0070	3.0000	3.0000	3.0000	3.0040	13.1824	13.1924	3.0000	2.0000	3.0000	3.0040	12.6824	12.6924
11-15/16	11.9365	11.9375					11.9305	11.9325	-0.0040	-0.0070	3.0000	3.0000	3.0000	3.0040	13.2459	13.2559	3.0000	2.0000	3.0000	3.0040	12.7459	12.7559

Engineering

ISO R775 metric bore and keyway fits

Nominal shaft diameter (mm)	Shaft diameter		Clearance fit				Transitional fit				Interference fit				Keyway					
	Min. /	Max.	Hub bore		Fit		Hub bore		Fit		Hub bore		Fit		Nominal		Width. D10		Scribe height	
		j6		F7				H7				M6			Width X	Height	Min	Max	Min	Max
	+0.008 /	- 0.003	+0.016 /	+ 0.034	+0.008 /	+0.037	0.000 /	+0.018	-0.008 /	+0.021	-0.015 /	-0.004	-0.023 /	-0.001						
12	12.008 /	11.997	12.016 /	12.034	0.008 /	0.037	12.000 /	12.018	-0.008 /	0.021	11.985 /	11.996	-0.023 /	-0.001	4 X	1.8	4.03	4.078	13.8	13.9
14	14.008 /	13.997	14.016 /	14.034	1.008 /	1.037	14.000 /	14.018	-0.008 /	0.021	13.985 /	13.996	-0.023 /	-0.001	5 X	2.3	5.03	5.078	16.3	16.4
16	16.008 /	15.997	16.016 /	16.034	2.008 /	2.037	16.000 /	16.018	-0.008 /	0.021	15.985 /	15.996	-0.023 /	-0.001	5 X	2.3	5.03	5.078	18.3	18.4
18	18.008 /	17.997	18.016 /	18.034	3.008 /	3.037	18.000 /	18.018	-0.008 /	0.021	17.985 /	17.996	-0.023 /	-0.001	6 X	2.8	6.03	6.078	20.8	20.9
>18		j6		F7				H7				M6								
	+0.009 /	-0.004	+0.02 /	+0.041	+0.011 /	+0.045	0.000 /	+0.021	-0.009 /	+0.025	-0.017 /	-0.004	-0.026 /	0.000						
19	19.009 /	18.996	19.02 /	19.041	0.011 /	0.045	19.000 /	19.021	-0.009 /	0.025	18.983 /	18.996	-0.026 /	0.000	6 X	2.8	6.03	6.078	21.8	21.9
20	20.009 /	19.996	20.02 /	20.041	0.011 /	0.045	20.000 /	20.021	-0.009 /	0.025	19.983 /	19.996	-0.026 /	0.000	6 X	2.8	6.03	6.078	22.8	22.9
22	22.009 /	21.996	22.02 /	22.041	0.011 /	0.045	22.000 /	22.021	-0.009 /	0.025	21.983 /	21.996	-0.026 /	0.000	6 X	2.8	6.03	6.078	24.8	24.9
24	24.009 /	23.996	24.02 /	24.041	0.011 /	0.045	24.000 /	24.021	-0.009 /	0.025	23.983 /	23.996	-0.026 /	0.000	8 X	3.3	8.04	8.098	27.3	27.5
25	25.009 /	24.996	25.02 /	25.041	0.011 /	0.045	25.000 /	25.021	-0.009 /	0.025	24.983 /	24.996	-0.026 /	0.000	8 X	3.3	8.04	8.098	28.3	28.5
28	28.009 /	27.996	28.02 /	28.041	0.011 /	0.045	28.000 /	28.021	-0.009 /	0.025	27.983 /	27.996	-0.026 /	0.000	8 X	3.3	8.04	8.098	31.3	31.5
30	30.009 /	29.996	30.02 /	30.041	0.011 /	0.045	30.000 /	30.021	-0.009 /	0.025	29.983 /	29.996	-0.026 /	0.000	8 X	3.3	8.04	8.098	33.3	33.5
>30		k6		F7				H7				K6								
	+0.018 /	+0.002	+0.025 /	+0.050	+0.007 /	+0.048	0.000 /	+0.025	-0.018 /	+0.023	-0.013 /	+0.003	-0.031 /	+0.001						
32	32.018 /	32.002	32.025 /	32.050	0.007 /	0.048	32.000 /	32.025	-0.018 /	0.023	31.987 /	32.003	-0.031 /	0.001	10 X	3.3	10.04	10.098	35.3	35.5
35	35.018 /	35.002	35.025 /	35.050	0.007 /	0.048	35.000 /	35.025	-0.018 /	0.023	34.987 /	35.003	-0.031 /	0.001	10 X	3.3	10.04	10.098	38.3	38.5
38	38.018 /	38.002	38.025 /	38.050	0.007 /	0.048	38.000 /	38.025	-0.018 /	0.023	37.987 /	38.003	-0.031 /	0.001	10 X	3.3	10.04	10.098	41.3	41.5
40	40.018 /	40.002	40.025 /	40.050	0.007 /	0.048	40.000 /	40.025	-0.018 /	0.023	39.987 /	40.003	-0.031 /	0.001	12 X	3.3	12.05	12.12	43.3	43.5
42	42.018 /	42.002	42.025 /	42.050	0.007 /	0.048	42.000 /	42.025	-0.018 /	0.023	41.987 /	42.003	-0.031 /	0.001	12 X	3.3	12.05	12.12	45.3	45.5
45	45.018 /	45.002	45.025 /	45.050	0.007 /	0.048	45.000 /	45.025	-0.018 /	0.023	44.987 /	45.003	-0.031 /	0.001	14 X	3.8	14.05	14.12	48.8	49
48	48.018 /	48.002	48.025 /	48.050	0.007 /	0.048	48.000 /	48.025	-0.018 /	0.023	47.987 /	48.003	-0.031 /	0.001	14 X	3.8	14.05	14.12	51.8	52
50	50.018 /	50.002	50.025 /	50.050	0.007 /	0.048	50.000 /	50.025	-0.018 /	0.023	49.987 /	50.003	-0.031 /	0.001	14 X	3.8	14.05	14.12	53.8	54
>50		m6		F7				H7				K7								
	+0.030 /	+0.011	+0.030 /	+0.060	0 /	+0.049	0.000 /	+0.030	-0.030 /	+0.019	-0.021 /	+0.009	-0.051 /	-0.002						
55	55.030 /	55.011	55.030 /	55.060	0.000 /	0.049	55.000 /	55.030	-0.030 /	0.019	54.979 /	55.009	-0.051 /	-0.002	16 X	4.3	16.05	16.12	59.3	59.5
56	56.030 /	56.011	56.030 /	56.060	0.000 /	0.049	56.000 /	56.030	-0.030 /	0.019	55.979 /	56.009	-0.051 /	-0.002	16 X	4.3	16.05	16.12	60.3	60.5
60	60.030 /	60.011	60.030 /	60.060	0.000 /	0.049	60.000 /	60.030	-0.030 /	0.019	59.979 /	60.009	-0.051 /	-0.002	18 X	4.4	18.05	18.12	64.4	64.6
63	63.030 /	63.011	63.030 /	63.060	0.000 /	0.049	63.000 /	63.030	-0.030 /	0.019	62.979 /	63.009	-0.051 /	-0.002	18 X	4.4	18.05	18.12	67.4	67.6
65	65.030 /	65.011	65.030 /	65.060	0.000 /	0.049	65.000 /	65.030	-0.030 /	0.019	64.979 /	65.009	-0.051 /	-0.002	18 X	4.4	18.05	18.12	69.4	69.6
70	70.030 /	70.011	70.030 /	70.060	0.000 /	0.049	70.000 /	70.030	-0.030 /	0.019	69.979 /	70.009	-0.051 /	-0.002	20 X	4.9	20.065	20.149	74.9	75.1
71	71.030 /	71.011	71.030 /	71.060	0.000 /	0.049	71.000 /	71.030	-0.030 /	0.019	70.979 /	71.009	-0.051 /	-0.002	20 X	4.9	20.065	20.149	75.9	76.1
75	75.030 /	75.011	75.030 /	75.060	0.000 /	0.049	75.000 /	75.030	-0.030 /	0.019	74.979 /	75.009	-0.051 /	-0.002	20 X	4.9	20.065	20.149	79.9	80.1
80	80.030 /	80.011	80.030 /	80.060	0.000 /	0.049	80.000 /	80.030	-0.030 /	0.019	79.979 /	80.009	-0.051 /	-0.002	22 X	5.4	22.065	22.149	85.4	85.6
>80		m6		F7				H7				M7								
	+0.035 /	+0.013	+0.036 /	+0.071	+0.001 /	+0.058	0.000 /	+0.035	-0.035 /	+0.022	-0.035 /	0.000	-0.070 /	-0.013						
85	85.035 /	85.013	85.036 /	85.071	0.001 /	0.058	85.000 /	85.035	-0.035 /	0.022	84.965 /	85.000	-0.070 /	-0.013	22 X	5.4	22.065	22.149	90.4	90.6
90	90.035 /	90.013	90.036 /	90.071	0.001 /	0.058	90.000 /	90.035	-0.035 /	0.022	89.965 /	90.000	-0.070 /	-0.013	25 X	5.4	25.065	25.149	95.4	95.6
95	95.035 /	95.013	95.036 /	95.071	0.001 /	0.058	95.000 /	95.035	-0.035 /	0.022	94.965 /	95.000	-0.070 /	-0.013	25 X	5.4	25.065	25.149	100.4	100.6
100	100.035 /	100.013	100.036 /	100.071	0.001 /	0.058	100.000 /	100.035	-0.035 /	0.022	99.965 /	100.000	-0.070 /	-0.013	28 X	6.4	28.065	28.149	106.4	106.6
>100		m6		F7				H7				P7								
	+0.035 /	+0.013	+0.036 /	+0.071	+0.001 /	+0.058	0.000 /	+0.035	-0.035 /	+0.022	-0.059 /	-0.024	-0.094 /	-0.037						
110	110.035 /	110.013	110.036 /	110.071	0.001 /	0.058	110.000 /	110.035	-0.035 /	0.022	109.941 /	109.976	-0.094 /	-0.037	28 X	6.4	28.065	28.149	116.4	116.6
120	120.035 /	120.013	120.036 /	120.071	0.001 /	0.058	120.000 /	120.035	-0.035 /	0.022	119.941 /	119.976	-0.094 /	-0.037	32 X	7.4	32.08	32.18	127.4	127.6
>120		m6		F7				H7				P7								
	+0.040 /	+0.015	+0.043 /	+0.083	+0.003 /	+0.068	0.000 /	+0.040	-0.040 /	+0.025	-0.068 /	-0.028	-0.108 /	-0.043						
125	125.040 /	125.015	125.043 /	125.083	0.003 /	0.068	125.000 /	125.04	-0.040 /	0.025	124.932 /	124.972	-0.108 /	-0.043	32 X	7.4	32.08	32.18	132.4	132.6
130	130.040 /	130.015	130.043 /	130.083	0.003 /	0.068	130.000 /	130.04	-0.040 /	0.025	129.932 /	129.972	-0.108 /	-0.043	32 X	7.4	32.08	32.18	137.4	137.6
140	140.040 /	140.015	140.043 /	140.083	0.003 /	0.068	140.000 /	140.04	-0.040 /	0.025	139.932 /	139.972	-0.108 /	-0.043	36 X	8.4	36.08	36.18	148.4	148.7
150	150.040 /	150.015	150.043 /	150.083	0.003 /	0.068	150.000 /	150.04	-0.040 /	0.025	149.932 /	149.972	-0.108 /	-0.043	36 X	8.4	36.08	36.18	158.4	158.7
160	160.040 /	160.015	160.043 /	160.083	0.003 /	0.068	160.000 /	160.04	-0.040 /	0.025	159.932 /	159.972	-0.108 /	-0.043	40 X	9.4	40.08	40.18	169.4	169.7
170	170.040 /	170.015	170.043 /	170.083	0.003 /	0.068	170.000 /	170.04	-0.040 /	0.025	169.932 /	169.972	-0.108 /	-0.043	40 X	9.4	40.08	40.18	179.4	179.7
180	180.040 /	180.015	180.043 /	180.083	0.003 /	0.068	180.000 /	180.04	-0.040 /	0.025	179.932 /	179.972	-0.108 /	-0.043	45 X	10.4	45.08	45.18	190.4	190.7
>180		m6		F7				H7				P7								
	+0.046 /	+0.017	+0.050 /	+0.096	+0.004 /	+0.079	0.000 /	+0.046	-0.046 /	+0.029	-0.079 /	-0.033	-0.125 /	-0.050						
190	190.046 /	190.017	190.050 /	190.096	0.004 /	0.079	190.000 /	190.046	-0.046 /	0.029	189.921 /	189.967	-0.125 /	-0.050	45 X	10.4	45.08	45.18	200.4	200.7
200	200.046 /	200.017	200.050 /	200.096	0.004 /	0.079	200.000 /	200.046	-0.046 /	0.029	199.921 /	199.967	-0.125 /	-0.050	45 X	10.4	45.08	45.18	210.4	210.7
>200		m6		F7				H7				R7								
	+0.046 /	+0.017	+0.050 /	+0.096	+0.004 /	+0.079	0.000 /	+0.046	-0.046 /	+0.029	-0.109 /	-0.063	-0.155 /	-0.080						
210	210.046 /	210.017	210.050 /	210.096	0.004 /	0.079	210.000 /	210.046	-0.046 /	0.029	209.891 /	209.937	-0.155 /	-0.080	50 X	11.4	50.08	50.18	221.4	221.7
220	220.046 /	220.017	220.050 /	220.096	0.004 /	0.079	220.000 /	220.046	-0.046 /	0.029	219.891 /	219.937	-0.155 /	-0.080	50 X	11.4	50.08	50.18	231.4	231.7
225	225.046 /	225.017	225.050 /	225.096	0.004 /	0.079	225.000 /	225.046	-0.046 /	0.029	224.891 /	224.937	-0.155 /	-0.080	50 X	11.4	50.08	50.18	236.4	236.7
>225		m6		F7				H7				R7								
	+0.046 /	+0.017	+0.050 /	+0.096	+0.004 /	+0.079	0.000 /	+0.046	-0.046 /	+0.029	-0.113 /	-0.067	-0.159 /	-0.084						
230	230.046 /	230.017	230.05 /	230.096	0.004 /	0.079	230.000 /	230.046	-0.046 /	0.029	229.887 /	229.933	-0.159 /	-0.084	50 X	11.4	50.08	50.18	241.4	241.7

Engineering

Temperature ratings

Element type	Minimum	Maximum [1]
Standard element	-45°F	220°F
Armored element	-45°F	220°F

(1) Reference high temperature adjustment factors for applications in excess of 180°F

High temperature adjustment factors

Temperature range	Adjustment
180°F - 200°F	+ 0.75
201°F - 220°F	+ 1.0

High temperature adjustment factors are only to be added to the standard system service factors as needed. High temperature service factors are not included in the standard application service factor in order to prevent oversizing coupling selections.

Bore ranges

Coupling size	Finished bore			Taper-Lock			QD	
	Minimum bore	Max. bore [1]	Bushing size	Minimum bore	Max. bore [2]	Bushing size	Minimum bore	Max. bore [2]
E2	-	1.188	-	-	-	-	-	-
E3	0.375	1.375	1008	0.500	1.000	-	-	-
E4	0.375	1.750	1008	0.500	1.000	JA	0.500	1.250
E5	0.375	2.250	1108	0.500	1.125	SH	0.500	1.688
E10	0.375	2.750	1310	0.500	1.438	SDS	0.500	2.000
E20	0.750	3.375	1610	0.500	1.688	SK	0.500	2.625
E30	0.750	3.750	2012	0.500	2.125	SF	0.500	2.938
E40	0.750	4.875	2517	0.500	2.688	E	0.875	3.500
E50	1.125	5.250	2517	0.500	2.688	E	0.875	3.500
E60	1.125	5.500	3020	0.875	3.250	F	1.000	4.000
E70	1.375	5.875	3535	1.188	3.938	J	1.500	4.500
E80	1.875	7.875	4040	1.438	4.438	M	2.000	5.500
E100	2.500	8.750	4535	1.938	4.938	M	2.000	5.500
E120	2.875	9.750	5040	2.438	5.000	N	2.438	6.000
E140	3.250	12.500	7060	4.938	7.000	P	3.438	7.000

(1) Larger bore capacities available. Contact Dodge Engineering for additional details.
(2) With steel Dodge bushings and/or shallow keyway

Torsional stiffness

Size	Static torsional stiffness (in.-lbs./degree)
E2	23
E3	32
E4	46
E5	97
E10	114
E20	120
E30	275
E40	440
E50	783
E60	1,379
E70	1,856
E80	2,800
E100	5,900
E120	9,200
E140	14,300

- Values are shown for an ambient temperature of 70° F
- Values are nominal and may vary by +/- 20%
- Torsional stiffness values are for both the standard Natural Rubber and Armored Element

Elastomer chemical compatibility

Substance	Natural rubber	Armored element	Substance	Natural rubber	Armored element
Acetic acids	2	3	Hydrobromic acid (40%)	1	2
Acetic anhydride	2	3	Kerosene	3	2
Alcohols, monohydric	2	nd	Lacquers	3	3
Ammonia anhydrous	3	2	Lead sufamate	2	nd
ASTM A oils	3	1	Mineral oil	3	1
Animal fast	3	2	Naphtha	3	2
Benzene	3	3	Nickel chloride	1	3
Carbonic acid	3	3	Nitric acid (10%)	1	3
Calcium bisulfite	2	nd	Ozone	3	1
Chloracetone	2	3	Petroleum (<250°F)	3	2
Chloroacetic acid	2	3	Potassium dichromate	2	1
Copper sulphate	2	1	Salt water	1	2
Corn oil	2	1	Silicone oils	1	1
Diesel oil	3	2	Sulfuric acid (con.)	3	3
Fuel oil	3	2	Vinegar	2	3
Gasoline	2	2	Zinc sulfate	2	2

Ratings:
1 - Minor effect 2 - Moderate effect 3 - Severe effect nd - No data

Additional information
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ABB Motors and Mechanical Inc.
5711 R.S. Boreham, Jr. Street
Fort Smith, AR 72901
Ph: 1.479.646.4711

Mechanical Power Transmission Support
Ph: 1.864.297.4800

new.abb.com/mechanical-power-transmission

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MECHANICAL POWER TRANSMISSION

PT component HVAC catalog

Sheaves – bushings – couplings

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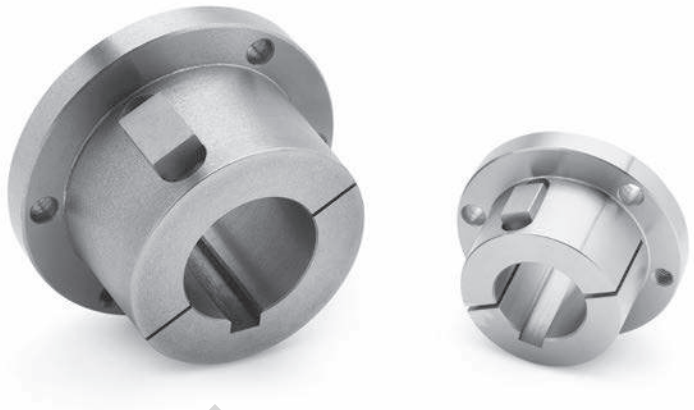
Table of contents

Split taper bushings

Features

- Keyed to both shaft and hub. External key provides positive drive with no torque on the cap screws.
- Double split barrel improves true concentricity - grips the shaft with positive clamp fit.
- Manufactured precisely to industry standards.
- The taper on all split taper bushings is 3/4” per foot on diameter.
- Split taper bushing is the preferred bushing style in the HVAC industry.



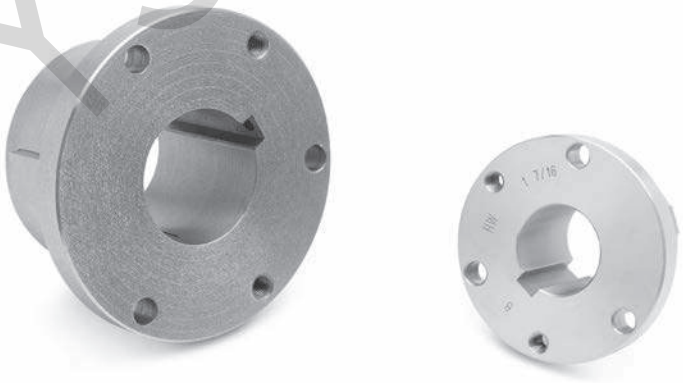
How to order

Example: **P1X1-7/16**

P1 X 1-7/16

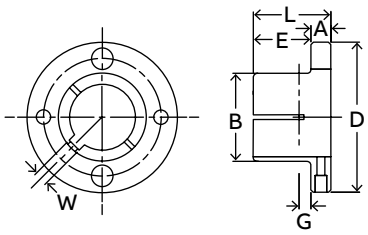
P1: **Bushing size**

1-1/16: **Bore size** (1-1/16”)
Inch bore sizes are designated with the whole inch followed by the fraction. For example, a 1.5” diameter bore would be 1-1/2”.

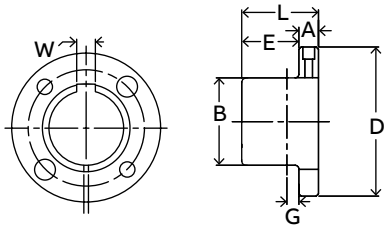


Split taper bushings

Type 1

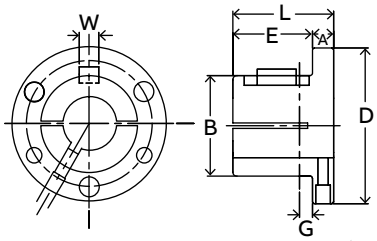


G & H type 1

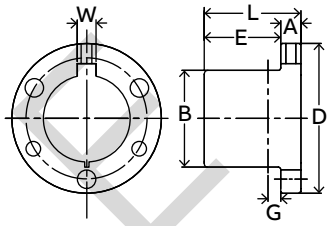


G & H type 2

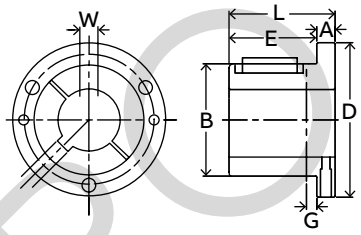
Type 2



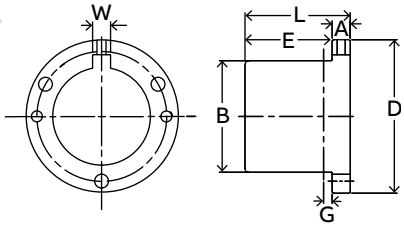
P, B, Q, & R type 1



P, B, Q, & R type 2



S type 1



S type 2

Note: Setscrew in G & R bushings only. No setscrew in H, P, B, & Q bushings.

Size	Dimensions									Bore range		Cap screws		Av. wt. lbs.	Wrench torque in.-lbs.
	L	A	E	B Large end	B Small end	D	M	W	G	Type 1	Type 2	No.	Size		
G	1	1/4	3/4	1.172	1.133	2	1-9/16	-	3/16	3/8 - 15/16	1	2	1/4-20 UNC X 5/8	.5	95
H	1-9/32	9/32	1	1.625	1.570	2-1/2	2	-	1/8	3/8 - 1-3/8	1-7/16 - 1-1/2	2	1/4-20 UNC X 7/8	.8	95
P1	1-15/16	13/32	1-17/32	1.9375	1.8555	3	2-7/16	3/8	7/32	1/2 - 1-7/16	1-1/2 - 1-3/4	3	5/16-18 UNC X 1	1.3	192
P2	2-15/16	13/32	2-17/32	1.9375	1.7930	3	2-7/16	3/8	7/32	3/4 - 1-7/16	1-1/2 - 1-3/4	3	5/16-18 UNC X 1	1.5	192
B	1-15/16	1/2	1-7/16	2.625	2.5567	-	3-1/8	1/2	7/32	1/2 - 1-15/16	2 - 2-7/16	3	5/16-18 UNC X 1-1/4	1.8	192
Q1	2-1/2	17/32	1-31/32	2.875	2.7657	4-1/8	3-3/8	1/2	7/32	5/8 - 2-1/16	2-1/8 - 2-11/16	3	3/8-16 UNC X 1-1/4	3.5	348
Q2	3-1/2	17/32	2-31/32	2.875	2.7032	4-1/8	3-3/8	1/2	7/32	1 - 2-1/16	2-1/8 - 2-5/8	3	3/8-16 UNC X 1-1/4	4.5	348
R1	2-7/8	5/8	2-1/4	4.000	3.8750	5-3/8	4-5/8	3/4	1/4	1-1/8 - 2-13/16	2- 7/8 - 3-3/4	3	3/8-16 UNC X 1-3/4	7.5	348
R2	4-7/8	5/8	4-1/4	4.000	3.7500	5-3/8	4-5/8	3/4	1/4	1-3/8 - 2-13/16	2-7/8 - 3-5/8	3	3/8-16 UNC X 1-3/4	11	348
S1	4-3/8	3/4	3-5/8	4.625	4.4180	6-3/8	5-3/8	3/4	5/16	1-11/16 - 3-3/16	3-1/4 - 4-1/4	3	1/2-13 UNC X 2-1/4	13.5	840

* Please contact ABB for lead time and availability.

Split taper bushings

Specification

BK² bushings standard stock bores (inches)

	Part number	Description	Keyseat	Weight
G	471500	G x 3/8-KW	None	0.4
	471501	G x 7/16-KW	None	0.4
	471502	G x 1/2 -KW	1/8 X 7/16	0.4
	471503	G x 9/16-KW	1/8 X 7/16	0.4
	471504	G x 5/8-KW	3/16 X 3/32	0.3
	471505	G x 11/16-KW	3/16 X 3/32	0.3
	471506	G x 3/4-KW	3/16 X 3/32	0.3
	471507	G x 13/16-KW	3/16 X 3/32	0.3
	471508	G x 7/8-KW	3/16 X 3/32	0.3
	471509	G x 15/16-KW	1/4 X 1/8	0.2
	471510	G x 1-KW	1/4 X 1/8	0.2
	471511	G x 10MM-KW	4 X 1.8MM	0.3
	471512	G x 11MM-KW	4 X 1.8MM	0.3
	471513	G x 12MM-KW	4 X 1.8MM	0.3
	471514	G x 14MM-KW	5 x 2.3mm	0.3
	471515	G x 16MM-KW	5 x 2.3mm	0.3
	471516	G x 18MM-KW	6 x 2.8mm	0.3
	471517	G x 19MM-KW	6 x 2.8mm	0.3
	471518	G x 20MM-KW	6 x 2.8mm	0.3
	471519	G x 22MM-KW	6 x 2.8mm	0.3
	471520	G x 24MM-KW	8 x 3.3mm	0.3
	471521	G x 25MM-KW	8 x 3.3mm	0.3
H-plus with integral key	121161	H-PLUS X 5/8-IK	3/16 x 3/32	0.8
	121162	H-PLUS X 3/4-IK	3/16 X 3/32	0.7
	121163	H-PLUS X 7/8-IK	3/16 X 3/32	0.7
	121164	H-PLUS X 1-IK	1/4 x 1/8	0.6
	121186	H-PLUS X 1-1/8-IK	1/4 X 1/8	0.6
	121187	H-PLUS X 1-3/16-IK	1/4 X 1/8	0.5
	121202	H-PLUS X 1-1/4-IK	1/4 X 1/8	0.5
	121169	H-PLUS X 24MM-IK	8 x 3.3mm	0.6
	121170	H-PLUS X 25MM-IK	8 x 3.3mm	0.6
H	121129	H X 3/8-NK	None	0.8
	121130	H X 7/16-NK	None	0.8
	121131	H X 1/2-KW	1/8 x 1/16	0.8
	121133	H X 9/16-KW	1/8 x 1/16	0.8
	122050	H X 5/8-KW	3/16 x 3/32	0.8
	121134	H X 11/16-KW	3/16 x 3/32	0.8
	122051	H X 3/4-KW	3/16 x 3/32	0.7
	121136	H X 13/16-KW	3/16 x 3/32	0.7
	122052	H X 7/8-KW	3/16 x 3/32	0.7
	121138	H X 15/16-KW	1/4 x 1/8	0.7
	122053	H X 1-KW	1/4 x 1/8	0.6
	121140	H X 1-1/16-KW	1/4 x 1/8	0.6
	122054	H X 1-1/8-KW	1/4 x 1/8	0.6
	122055	H X 1-3/16-KW	1/4 x 1/8	0.5
	122056	H X 1-1/4-KW	1/4 x 1/8	0.5
	121144	H X 1-5/16-KW	5/16 x 1/16	0.4
	121145	H X 1-3/8-KW	5/16 x 1/16	0.4
	121146	H X 1-7/16-KW	3/8 x 1/16	0.4
	121147	H X 1-1/2-KW	3/8 x 1/16	0.3
	121148	H X 14MM-KW	5 x 2.3mm	0.8
	121165	H X 15MM-KW	5 x 2.3mm	0.8
	121166	H X 16MM-KW	5 x 2.3mm	0.8
	121167	H X 18MM-KW	6 x 2.8mm	0.7
	121149	H X 19MM-KW	6 x 2.8mm	0.7
	121469	H X 20MM-KW	6 x 2.8mm	0.7
	121168	H X 22MM-KW	6 x 2.8mm	0.7
	121150	H X 24MM-KW	8 X 3.3mm	0.6
	121151	H X 25MM-KW	8 X 3.3mm	0.6
	121152	H X 28MM-KW	8 X 3.3mm	0.6
	121153	H X 30MM-KW	8 X 3.3mm	0.5
	121154	H X 32MM-KW	10 x 3.3mm	0.5
	121173	H X 35MM-KW	10 x 3.3mm	0.4
	121174	H X 38MM-KW	10 x 1.3mm	0.3

* Please contact ABB for lead time and availability.

	Part number	Description	Keyseat	Weight
P1	471522	P1 x 1/2-KW	1/8 X 1/16	2.5
	471523	P1 x 9/16-KW	1/8 X 1/16	1.8
	471524	P1 x 5/8-KW	3/16 X 3/32	2.4
	471525	P1 x 21/32-KW	3/16 X 3/32	1.7
	471526	P1 x 11/16-KW	3/16 X 3/32	1.7
	471527	P1 x 3/4-KW	3/16 X 3/32	2.3
	471528	P1 x 25/32-KW	3/16 X 3/32	1.6
	471529	P1 x 13/16-KW	3/16 X 3/32	1.6
	471530	P1 x 7/8-KW	3/16 X 3/32	2.2
	471531	P1 x 15/16-KW	1/4 X 1/8	2.1
	471532	P1 x 31/32-KW	1/4 X 1/8	1.5
	471533	P1 x 1-KW	1/4 X 1/8	2.1
	471534	P1 x 1-1/16-KW	1/4 X 1/8	1.4
	471535	P1 x 1-1/8-KW	1/4 X 1/8	2
	471536	P1 x 1-3/16-KW	1/4 X 1/8	1.9
	471537	P1 x 1-1/4-KW	1/4 X 1/8	2
	471538	P1 x 1-5/16-KW	5/16 X 5/32	1.2
	471539	P1 x 1-3/8-KW	5/16 X 5/32	1.8
	471540	P1 x 1-3/8 KW 3/8-KW	3/8 X 3/16	1.1
	471541	P1 x 1-7/16-KW	3/8 X 3/16	1.7
	471542	P1 x 1-1/2-KW	3/8 X 3/16	0.9
	471543	P1 x 1-9/16-KW	3/8 X 3/16	0.9
	471544	P1 x 1-5/8-KW	3/8 X 3/16	0.8
	471545	P1 x 1-11/16-KW	3/8 X 3/16	0.8
	471546	P1 x 1-3/4-KW	3/8 X 3/16	0.7
	471547	P1 x 14MM-KW	5 x 2.3mm	2.1
	471548	P1 x 15MM-KW	5 x 2.3mm	2.1
	471549	P1 x 16MM-KW	5 x 2.3mm	2.1
	471550	P1 x 18MM-KW	6 x 2.8mm	2.1
	471551	P1 x 19MM-KW	6 x 2.8mm	2.1
	471552	P1 x 20MM-KW	6 x 2.8mm	2.1
	471553	P1 x 22MM-KW	6 x 2.8mm	2.1
	471554	P1 x 24MM-KW	8 x 3.3mm	2.2
	471555	P1 x 25MM-KW	8 x 3.3mm	2.1
	471556	P1 x 28MM-KW	8 x 3.3mm	1.4
	471557	P1 x 30MM-KW	8 x 3.3mm	1.4
	471558	P1 x 32MM-KW	10 x 3.3mm	1.4
	471559	P1 x 35MM-KW	10 x 3.3mm	1.4
	471560	P1 x 36MM-KW	10 x 3.3mm	1
	471561	P1 x 38MM-KW	10 x 3.3mm	1
	471562	P1 x 39MM-KW	12 x 3.3mm	1
	471563	P1 x 40MM-KW	12 x 3.3mm	1
	471564	P1 x 42MM-KW	12 x 3.3mm	0.9
P2	471565	P2 x 1/2-KW	1/8 X 1/16	2.8
	471566	P2 x 5/8-KW	3/16 X 3/32	2.7
	471567	P2 x 3/4-KW	3/16 X 3/32	2.6
	471568	P2 x 13/16-KW	3/16 X 3/32	2.2
	471569	P2 x 7/8-KW	3/16 X 3/32	2.5
	471570	P2 x 15/16-KW	1/4 X 1/8	2
	471571	P2 x 1-KW	1/4 X 1/8	2.4
	471572	P2 x 1-1/16-KW	1/4 X 1/8	1.9
	471573	P2 x 1-1/8-KW	1/4 X 1/8	2.3
	471574	P2 x 1-3/16-KW	1/4 X 1/8	1.7
	471575	P2 x 1-1/4-KW	1/4 X 1/8	2.2
	471576	P2 x 1-5/16-KW	5/16 X 5/32	1.5
	471577	P2 x 1-3/8-KW	5/16 X 5/32	2.1
	471578	P2 x 1-3/8KW3/8-KW	3/8 X 3/16	1.4
	471579	P2 x 1-7/16-KW	3/8 X 3/16	1.8
	471580	P2 x 1-1/2-KW	3/8 X 3/16	1.6
	471581	P2 x 1-9/16-KW	3/8 X 3/16	1.1
	471582	P2 x 1-5/8-KW	3/8 X 3/16	1.5
	471583	P2 x 1-11/16-KW	3/8 X 3/16	0.8
	471584	P2 x 1-3/4-KW	3/8 X 3/16	1.4

Split taper bushings

Specification

BK² bushings standard stock bores (inches)

	Part number	Description	Keyseat	Weight
B	471585	B x 1/2-KW	1/8 X 7/16	3.7
	471586	B x 9/16-KW	1/8 X 7/16	3.2
	471587	B x 5/8-KW	3/16 X 3/32	3.6
	471588	B x 11/16-KW	3/16 X 3/32	3.2
	471589	B x 3/4-KW	3/16 X 3/32	3.5
	471590	B x 13/16-KW	3/16 X 3/32	3.1
	471591	B x 7/8-KW	3/16 X 3/32	3.5
	471592	B x 15/16-KW	1/4 X 1/8	3
	471593	B x 1-KW	1/4 X 1/8	3.4
	471594	B x 1-1/16-KW	1/4 X 1/8	2.9
	471595	B x 1-1/8-KW	1/4 X 1/8	3.3
	471596	B x 1-3/16-KW	1/4 X 1/8	2.8
	471597	B x 1-1/4-KW	1/4 X 1/8	3.2
	471598	B x 1-5/16-KW	5/16 X 5/32	2.7
	471599	B x 1-3/8-KW	5/16 X 5/32	2.6
	471599	B x 1-3/8-KW	3/8 X 3/16	2.6
	471600	B x 1-3/8 KW 3/8-KW	3/8 X 3/16	2.6
	471601	B x 1-7/16-KW	3/8 X 3/16	2.5
	471602	B x 1-1/2-KW	3/8 X 3/16	2.9
	471603	B x 1-9/16-KW	3/8 X 3/16	2.4
	471604	B x 1-5/8-KW	3/8 X 3/16	2.3
	471605	B x 1-11/16-KW	3/8 X 3/16	2.2
	471606	B x 1-3/4-KW	3/8 X 3/16	2.6
	471607	B x 1-13/16-KW	1/2 X 1/4	2.1
	471608	B x 1-7/8-KW	1/2 X 1/4	2.2
	471609	B x 1-15/16-KW	1/2 X 1/4	1.9
	471610	B x 2-KW	1/2 X 1/4	2
	471611	B x 2-1/16-KW	1/2 X 1/4	1.7
	471612	B x 2-1/8-KW	1/2 X 1/4	1.9
	471613	B x 2-3/16-KW	1/2 X 1/4	1.5
	471614	B x 2-1/4-KW	1/2 X 1/4	1.7
	471615	B x 2-5/16-KW	5/8 X 5/16	1.2
	471616	B x 2-3/8-KW	5/8 X 5/16	1.6
	471617	B x 2-7/16-KW	5/8 X 5/16	1.4
	471618	B x 15MM-KW	5 x 2.3mm	3.7
	471619	B x 16MM-KW	5 x 2.3mm	3.7
	471620	B x 18MM-KW	6 x 2.8mm	3.7
	471621	B x 19MM-KW	6 x 2.8mm	3.7
	471622	B x 20MM-KW	6 x 2.8mm	3.7
	471623	B x 22MM-KW	6 x 2.8mm	3.7
	471624	B x 24MM-KW	8 x 3.3mm	3.7
	471625	B x 25MM-KW	8 x 3.3mm	3.7
	471626	B x 28MM-KW	8 x 3.3mm	3.3
	471627	B x 30MM-KW	8 x 3.3mm	3.3
	471628	B x 32MM-KW	10 x 3.3mm	3.3
	471629	B x 35MM-KW	10 x 3.3mm	3.3
	471630	B x 36MM-KW	10 x 3.3mm	3.3
	471631	B x 38MM-KW	10 x 3.3mm	3.3
	471632	B x 39MM-KW	12 x 3.3mm	3.3
	471633	B x 40MM-KW	12 x 3.3mm	3.3
	471634	B x 42MM-KW	12 x 3.3mm	3.3
	471635	B x 45MM-KW	14 x 3.8mm	2.2
	471636	B x 48MM-KW	14 x 3.8mm	2.2
	471637	B x 50MM-KW	14 x 3.8mm	2.2
	471638	B x 55MM-KW	16 x 4.3mm	2.2
	471639	B x 60MM-KW	18 x 4.4mm	2.2
Q1	471640	Q1 x 5/8-KW	3/16 X 3/32	4.8
	471641	Q1 x 3/4-KW	3/16 X 3/32	4.8
	471642	Q1 x 13/16-KW	3/16 X 3/32	4.7
	471643	Q1 x 7/8-KW	3/16 X 3/32	4.7
	471644	Q1 x 15/16-KW	1/4 X 1/8	4.6
	471645	Q1 x 1-KW	1/4 X 1/8	4.6
	471646	Q1 x 1-1/16-KW	1/4 X 1/8	4.5
	471647	Q1 x 1-1/8-KW	1/4 X 1/8	4.4
	471648	Q1 x 1-3/16-KW	1/4 X 1/8	4.3

	Part number	Description	Keyseat	Weight
Q1	471649	Q1 x 1-1/4-KW	1/4 X 1/8	4.3
	471650	Q1 x 1-5/16-KW	5/16 X 5/32	4.2
	471651	Q1 x 1-3/8-KW	5/16 X 5/32	4.1
	471652	Q1 x 1-3/8 KW 3/8-KW	3/8 X 3/16	4.1
	471653	Q1 x 1-7/16-KW	3/8 X 3/16	4
	471654	Q1 x 1-1/2-KW	3/8 X 3/16	3.9
	471655	Q1 x 1-9/16-KW	3/8 X 3/16	3.8
	471656	Q1 X 1-5/8-KW	3/8 X 3/16	3.7
	471657	Q1 x 1-11/16-KW	3/8 X 3/16	3.6
	471658	Q1 x 1-3/4-KW	3/8 X 3/16	3.5
	471659	Q1 x 1-13/16-KW	1/2 X 1/4	3.4
	471660	Q1 x 1-7/8-KW	1/2 X 1/4	3.3
	471661	Q1 x 1-15/16-KW	1/2 X 1/4	3.2
	471662	Q1 x 2-KW	1/2 X 1/4	3
	471663	Q1 x 2-1/16-KW	1/2 X 1/4	2.9
	471664	Q1 x 2-1/8-KW	1/2 X 1/4	2.8
	471665	Q1 x 2-3/16-KW	1/2 X 1/4	2.6
	471666	Q1 x 2-1/4-KW	1/2 X 1/4	2.5
	471667	Q1 x 2-5/16-KW	5/8 X 5/16	2.3
	471668	Q1 x 2-3/8-KW	5/8 X 5/16	2.2
	471669	Q1 x 2-7/16-KW	5/8 X 5/16	2
	471670	Q1 x 2-1/2-KW	5/8 X 5/16	1.9
	471671	Q1 x 2-9/16-KW	5/8 X 5/16	1.7
	471672	Q1 x 2-5/8-KW	5/8 X 5/16	1.6
	471673	Q1 x 2-11/16-KW	5/8 X 5/16	1.5
	471674	Q1 x 19MM-KW	6 x 2.8mm	4.7
	471675	Q1 x 20MM-KW	6 x 2.8mm	4.7
	471676	Q1 x 22MM-KW	6 x 2.8mm	4.7
	471677	Q1 x 24MM-KW	8 x 3.3mm	4.7
	471678	Q1 x 25MM-KW	8 x 3.3mm	4.7
	471679	Q1 x 28MM-KW	8 x 3.3mm	3.8
	471680	Q1 x 30MM-KW	8 x 3.3mm	3.8
	471681	Q1 x 32MM-KW	10 x 3.3mm	3.8
	471682	Q1 x 35MM-KW	10 x 3.3mm	3.8
	471683	Q1 x 36MM-KW	10 x 3.3mm	3.8
	471684	Q1 x 38MM-KW	10 x 3.3mm	3.8
	471685	Q1 x 39MM-KW	12 x 3.3mm	3.8
	471686	Q1 x 40MM-KW	12 x 3.3mm	3.8
	471687	Q1 x 42MM-KW	12 x 3.3mm	3.2
	471688	Q1 x 45MM-KW	14 x 3.8mm	3.2
	471689	Q1 x 48MM-KW	14 x 3.8mm	3.2
	471690	Q1 x 50MM-KW	14 x 3.8mm	3.1
	471691	Q1 x 55MM-KW	16 x 4.3mm	2.2
	471692	Q1 x 60MM-KW	18 x 4.4mm	2.2
	471693	Q1 x 65MM-KW	18 x 4.4mm	1.7
Q2	471694	Q2 x 1-KW	1/4 X 1/8	5.9
	471695	Q2 x 1-1/16-KW	1/4 X 1/8	5.8
	471696	Q2 x 1-1/8-KW	1/4 X 1/8	5.7
	471697	Q2 x 1-3/16-KW	1/4 X 1/8	5.6
	471698	Q2 x 1-1/4-KW	1/4 X 1/8	5.5
	471699	Q2 x 1-5/16-KW	5/16 X 5/32	5.4
	471700	Q2 x 1-3/8-KW	5/16 X 5/32	5.2
	471700	Q2 x 1-3/8-KW	3/8 X 3/16	5.2
	471701	Q2 x 1-3/8 KW 3/8-KW	3/8 X 3/16	5.2
	471702	Q2 x 1-7/16-KW	3/8 X 3/16	5.1
	471703	Q2 x 1-1/2-KW	3/8 X 3/16	5
	471704	Q2 x 1-9/16-KW	3/8 X 3/16	4.9
	471705	Q2 x 1-5/8-KW	3/8 X 3/16	4.7
	471706	Q2 x 1-11/16-KW	3/8 X 3/16	4.6
	471707	Q2 x 1-3/4-KW	3/8 X 3/16	4.4
	471708	Q2 x 1-13/16-KW	1/2 X 1/4	4.3
	471709	Q2 x 1-7/8-KW	1/2 X 1/4	4.1
	471710	Q2 x 1-15/16-KW	1/2 X 1/4	3.9
	471711	Q2 x 2-KW	1/2 X 1/4	3.7
	471712	Q2 x 2-1/16-KW	1/2 X 1/4	3.6

Split taper bushings

Specification

BK² bushings standard stock bores (inches)

	Part number	Description	Keyseat	Weight
Q2	471713	Q2 x 2-1/8-KW	1/2 X 1/4	3.4
	471714	Q2 x 2-3/16-KW	1/2 X 1/4	3.2
	471715	Q2 x 2-1/4-KW	1/2 X 1/4	3
	471716	Q2 x 2-5/16-KW	5/8 X 5/16	2.8
	471717	Q2 x 2-3/8-KW	5/8 X 5/16	2.6
	471718	Q2 x 2-7/16-KW	5/8 X 5/16	2.3
	471719	Q2 x 2-1/2-KW	5/8 X 5/16	2.1
	471720	Q2 x 2-9/16-KW	5/8 X 5/16	1.9
	471721	Q2 x 2-5/8-KW	5/8 X 5/16	1.7
	471722	Q2 x 38MM-KW	10 x 3.3mm	5
R1	471723	R1 x 1-1/8-KW	1/4 X 1/8	10.1
	471724	R1 x 1-3/16-KW	1/4 X 1/8	10
	471725	R1 x 1-1/4-KW	1/4 X 1/8	9.9
	471726	R1 x 1-5/16-KW	5/16 X 5/32	9.8
	471727	R1 x 1-3/8-KW	5/16 X 5/32	9.7
	471727	R1 x 1-3/8-KW	3/8 X 3/16	9.7
	471728	R1 x 1-3/8 KW 3/8-KW	3/8 X 3/16	9.7
	471729	R1 x 1-7/16-KW	3/8 X 3/16	9.6
	471730	R1 x 1-1/2-KW	3/8 X 3/16	9.5
	471731	R1 x 1-9/16-KW	3/8 X 3/16	9.4
	471732	R1 x 1-5/8-KW	3/8 X 3/16	9.3
	471733	R1 x 1-11/16-KW	3/8 X 3/16	9.2
	471734	R1 x 1-3/4-KW	3/8 X 3/16	9
	471735	R1 x 1-13/16-KW	1/2 X 1/4	8.9
	471736	R1 x 1-7/8-KW	1/2 X 1/4	8.8
	471737	R1 x 1-15/16-KW	1/2 X 1/4	8.6
	471738	R1 x 2-KW	1/2 X 1/4	8.5
	471739	R1 x 2-1/16-KW	1/2 X 1/4	8.3
	471740	R1 x 2-1/8-KW	1/2 X 1/4	8.2
	471741	R1 x 2-3/16-KW	1/2 X 1/4	8
	471742	R1 x 2-1/4-KW	1/2 X 1/4	7.9
	471743	R1 x 2-5/16-KW	5/8 X 5/16	7.7
	471744	R1 x 2-3/8-KW	5/8 X 5/16	7.5
	471745	R1 x 2-7/16-KW	5/8 X 5/16	7.3
	471746	R1 x 2-1/2-KW	5/8 X 5/16	7.2
	471747	R1 x 2-9/16-KW	5/8 X 5/16	7
	471748	R1 x 2-5/8-KW	5/8 X 5/16	8.8
	471749	R1 x 2-11/16-KW	5/8 X 5/16	6.6
	471750	R1 x 2-3/4-KW	5/8 X 5/16	6.4
	471751	R1 x 2-13/16-KW	3/4 X 3/8	6.2
	471752	R1 x 2-7/8-KW	3/4 X 3/8	6
	471753	R1 x 2-15/16-KW	3/4 X 3/8	4.4
	471754	R1 x 3-KW	3/4 X 3/8	5.6
	471755	R1 x 3-1/16-KW	3/4 X 3/8	5.3
	471756	R1 x 3-1/8-KW	3/4 X 3/8	5.1
	471757	R1 x 3-3/16-KW	3/4 X 3/8	4.9
	471758	R1 x 3-1/4-KW	3/4 X 3/8	4.6
	471759	R1 x 3-3/8-KW	7/8 X 7/16	4.2
	471760	R1 x 3-7/16-KW	7/8 X 7/16	3.9
	471761	R1 x 3-1/2-KW	7/8 X 7/16	3.6
	471762	R1 x 3-5/8-KW	7/8 X 7/16	3.1
	471763	R1 x 3-11/16-KW	7/8 X 7/16	2.9
	471764	R1 x 3-3/4-KW	7/8 X 7/16	2.6
	471765	R1 x 28MM-KW	8 x 3.3mm	10.1
	471766	R1 x 30MM-KW	8 x 3.3mm	10.1
	471767	R1 x 32MM-KW	10 x 3.3mm	10.1
	471768	R1 x 35MM-KW	10 x 3.3mm	10.1
	471769	R1 x 36MM-KW	10 x 3.3mm	10.1
	471770	R1 x 38MM-KW	10 x 3.3mm	10.1
	471771	R1 x 39MM-KW	12 x 3.3mm	10.1
	471772	R1 x 40MM-KW	12 x 3.3mm	10.1
	471773	R1 x 42MM-KW	12 x 3.3mm	9.2
	471774	R1 x 45MM-KW	14 x 3.8mm	9.2
	471775	R1 x 48MM-KW	14 x 3.8mm	8.7
	471776	R1 x 50MM-KW	14 x 3.8mm	8.7

	Part number	Description	Keyseat	Weight
R1	471777	R1 x 55MM-KW	16 x 4.3mm	8.7
	471778	R1 x 60MM-KW	18 x 4.4mm	7.6
	471779	R1 x 65MM-KW	18 x 4.4mm	7
	471780	R1 x 70MM-KW	20 x 4.9mm	6.4
	471781	R1 x 75MM-KW	20 x 4.9mm	6.4
	471782	R1 x 80MM-KW	22 x 5.4mm	4.5
	471783	R1 x 90MM-KW	25 x 5.4mm	3.5
	471784	R1 x 95MM-KW	25 x 5.4mm	3.5
R2	471785	R2 x 1-3/8-KW	5/16 X 5/32	14.9
	471786	R2 x 1-7/16-KW	3/8 X 3/16	14.7
	471787	R2 x 1-1/2-KW	3/8 X 3/16	14.5
	471788	R2 x 1-9/16-KW	3/8 X 3/16	14.4
	471789	R2 x 1-5/8-KW	3/8 X 3/16	14.2
	471790	R2 x 1-11/16-KW	3/8 X 3/16	13.9
	471791	R2 x 1-3/4-KW	3/8 X 3/16	13.7
	471792	R2 x 1-13/16-KW	1/2 X 1/4	13.5
	471793	R2 x 1-7/8-KW	1/2 X 1/4	13.3
	471794	R2 x 1-15/16-KW	1/2 X 1/4	13
	471795	R2 x 2-KW	1/2 X 1/4	12.8
	471796	R2 x 2-1/16-KW	1/2 X 1/4	12.5
	471797	R2 x 2-1/8-KW	1/2 X 1/4	12.3
	471798	R2 x 2-3/16-KW	1/2 X 1/4	12
	471799	R2 x 2-1/4-KW	1/2 X 1/4	11.7
	471800	R2 x 2-5/16-KW	5/8 X 5/16	11.5
	471801	R2 x 2-3/8-KW	5/8 X 5/16	11.2
	471802	R2 x 2-7/16-KW	5/8 X 5/16	10.2
	471803	R2 x 2-1/2-KW	5/8 X 5/16	10.6
	471804	R2 x 2-9/16-KW	5/8 X 5/16	10.2
	471805	R2 x 2-5/8-KW	5/8 X 5/16	9.9
	471806	R2 x 2-11/16-KW	5/8 X 5/16	9.6
	471807	R2 x 2-3/4-KW	5/8 X 5/16	9.4
	471808	R2 x 2-13/16-KW	3/4 X 3/8	8.9
	471809	R2 x 2-7/8-KW	3/4 X 3/8	8.6
	471810	R2 x 2-15/16-KW	3/4 X 3/8	8.5
	471811	R2 x 3-KW	3/4 X 3/8	7.8
	471812	R2 x 3-1/16-KW	3/4 X 3/8	7.4
	471813	R2 x 3-1/8-KW	3/4 X 3/8	7.1
	471814	R2 x 3-3/16-KW	3/4 X 3/8	6.7
	471815	R2 x 3-1/4-KW	3/4 X 3/8	6.3
	471816	R2 x 3-3/8-KW	7/8 X 7/16	8
	471817	R2 x 3-7/16-KW	7/8 X 7/16	7.7
	471818	R2 x 3-1/2-KW	7/8 X 7/16	7.7
	471819	R2 x 3-5/8-KW	7/8 X 7/16	7.5
	471820	R2 x 35MM-KW	10 x 3.3mm	14.9
	471821	R2 x 36MM-KW	10 x 3.3mm	14.7
	471822	R2 x 38MM-KW	10 x 3.3mm	14.5
	471823	R2 x 39MM-KW	12 x 3.3mm	14.4
	471824	R2 x 40MM-KW	12 x 3.3mm	14.2
	471825	R2 x 42MM-KW	12 x 3.3mm	13.9
	471826	R2 x 45MM-KW	14 x 3.8mm	13.7
	471827	R2 x 48MM-KW	14 x 3.8mm	13.5
	471828	R2 x 50MM-KW	14 x 3.8mm	13.3
	471829	R2 x 55MM-KW	16 x 4.3mm	13
	471830	R2 x 60MM-KW	18 x 4.4mm	12.8
	471831	R2 x 65MM-KW	18 x 4.4mm	12.5
	471832	R2 x 70MM-KW	20 x 4.9mm	12.3
	471833	R2 x 75MM-KW	20 x 4.9mm	12
	471834	R2 x 80MM-KW	22 x 5.4mm	11.7
	471835	R2 x 85MM-KW	22 x 5.4mm	11.5
	471836	R2 x 90MM-KW	25 x 5.4mm	11.2

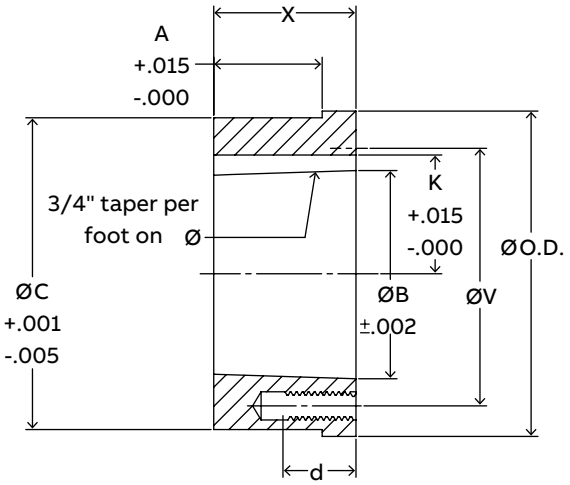
Split taper bushings

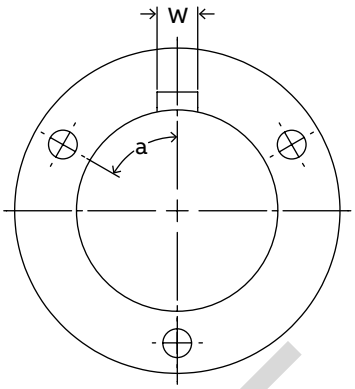
Specification

Split taper bushings standard stock bores (inches)

	Part number	Description	Keyseat	Weight
S1	471837	S1 x 1-11/16-KW	3/8 X 3/16	18.9
	471838	S1 x 1-3/4-KW	3/8 X 3/16	18.7
	471839	S1 x 1-7/8-KW	1/2 X 1/4	18.3
	471840	S1 x 1-15/16-KW	1/2 X 1/4	18.1
	471841	S1 x 2-KW	1/2 X 1/4	17.8
	471842	S1 x 2-1/16-KW	1/2 X 1/4	17.6
	471843	S1 x 2-1/8-KW	1/2 X 1/4	17.4
	471844	S1 x 2-3/16-KW	1/2 X 1/4	17.1
	471845	S1 x 2-1/4-KW	1/2 X 1/4	16.9
	471846	S1 x 2-5/16-KW	5/8 X 5/16	16.6
	471847	S1 x 2-3/8-KW	5/8 X 5/16	16.4
	471848	S1 x 2-7/16-KW	5/8 X 5/16	16.1
	471849	S1 x 2-1/2-KW	5/8 X 5/16	15.8
	471850	S1 x 2-9/16-KW	5/8 X 5/16	15.6
	471851	S1 x 2-5/8-KW	5/8 X 5/16	15.3
	471852	S1 x 2-11/16-KW	5/8 X 5/16	15
	471853	S1 x 2-3/4-KW	5/8 X 5/16	14.7
	471854	S1 x 2-7/8-KW	3/4 X 3/8	14
	471855	S1 x 2-15/16-KW	3/4 X 3/8	13.7
	471856	S1 x 3-KW	3/4 X 3/8	13.4
	471857	S1 x 3-1/8-KW	3/4 X 3/8	12.7
	471858	S1 x 3-3/16-KW	3/4 X 3/8	12.3
	471859	S1 x 3-1/4-KW	3/4 X 3/8	12
	471860	S1 x 3-3/8-KW	7/8 X 7/16	11.3
	471861	S1 x 3-7/16-KW	7/8 X 7/16	10.9
	471862	S1 x 3-1/2-KW	7/8 X 7/16	10.5
	471863	S1 x 3-5/8-KW	7/8 X 7/16	9.7
	471864	S1 x 3-11/16-KW	7/8 X 7/16	9.3
	471865	S1 x 3-3/4-KW	7/8 X 7/16	8.9
	471866	S1 x 3-7/8-KW	1 X 1/2	8
	471867	S1 x 3-15/16-KW	1 X 1/2	7.6
	471868	S1 x 4-KW	1 X 1/2	7.4
	471869	S1 x 4-1/8-KW	1 X 1/2	6.2
	471870	S1 x 4-3/16-KW	1 X 1/2	5.8
	471871	S1 x 4-1/4-KW	1 X 1/2	5.3

Split taper hubs





Steel (1020) hubs for BK² split taper bushings

Part number	For bushing	O.D.	A	B	C	K	V	W	X	Dimensions a	Dimensions d	Tapped holes No.	Tapped holes Size	Weight (lbs.)
HG1	G	2	0.174	1.168	1.875	-	1-9/16	-	5/8	-	5/8	2	1/4 - 20	0.4
H-L	H	2-1/2	0.174	1.621	2.375	-	2	-	7/8	-	7/8	2	1/4 - 20	0.6
H-CL	H	2-1/2	0.625	1.621	2.375	-	2	-	7/8	-	7/8	2	1/4 - 20	0.7
HP1	P1	3	0.292	1.9375	2.875	1-3/32	2-7/16	3/8	1-5/16	60°	5/8	3	5/16 - 18	1.4
HCP1	P1	3	1.0	1.9375	2.875	1-3/32	2-7/16	3/8	1-5/16	60°	5/8	3	5/16 - 18	1.1
HP2	P2	3	1.0	1.9375	2.875	1-3/32	2-7/16	3/8	2-5/16	60°	5/8	3	5/16 - 18	2.5
HB1	B	3-7/8	0.292	2.623	3.75	1-7/16	3-1/8	1/2	1-5/16	60°	13/16	3	5/16 - 18	2.3
HB2	B	4-1/2	0.709	2.623	4.375	1-7/16	3-1/8	1/2	1-3/4	60°	13/16	3	5/16 - 18	4.7
HQ1	Q1	4-1/2	0.709	2.875	4.375	1-9/16	3-3/8	1/2	1-3/4	60°	7/8	3	3/8 - 16	4.4
HCQ1	Q1	4-1/2	1.25	2.875	4.375	1-9/16	3-3/8	1/2	1-3/4	60°	7/8	3	3/8 - 16	4.4
HQ2	Q2	4-1/2	1.606	2.875	4.375	1-9/16	3-3/8	1/2	2-3/4	60°	7/8	3	3/8 - 16	6.9
HR1	R1	5-3/4	0.709	4.0	5.625	2-3/16	4-5/8	3/4	2	60°	1-1/8	3	3/8 - 16	7.3
HR2	R2	5-3/4	1.606	4.0	5.625	2-3/16	4-5/8	3/4	4	60°	1-1/8	3	3/8 - 16	15.4

Light duty fixed bore & bush type

Fixed bore: MA, 2MA, MB, 2MB:
Features
- All products have two setscrews, resulting in a tighter grip and improved performance.
- Bore range 1/2” to 1-7/16”
- 1 & 2 grooves, A-B & 3L-4L-5L belts

Note: Metric, or additional special bores, are made to order items. Contact ABB for price and delivery. For immediate use, ABB suggests using an MAL, MBL, 2MAL or 2MBL for a stock product.

How to order
Example: **2MB65X1-1/8**
2MB65 X 1-1/8
2MB65: Sheave size
1-1/8: Bore size (1-1/8”)
Inch bore sizes are designated with the whole inch followed by the fraction. For example, a 1.5” diameter bore would be 1-1/2”. Metric bore sizes are designated with mm after the metric dimension (X 25mm).

Bush type: MAL, 2MAL, MBL, 2MBL:
Features
- Can handle up to 20 Hp @ 1750 RPM
- Bore range 1/2” to 1-7/16”
- 1 & 2 grooves, A-B & 3L-4L-5L belts

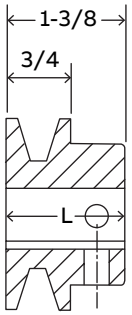
Light duty fixed bore

MA (A & 3L-4L V-belts)

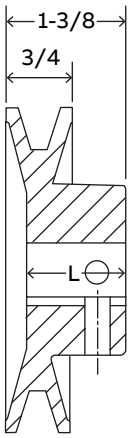
1 groove

Part number	Cross reference	D.D. (3L) belts	D.D. A (4L) belts	O.D.	Type	L	Maximum bore	Approximate weight
MA15*	-	-	1.30	1.55	1B	1-1/4	5/8	0.4
MA18*	AK17	-	1.50	1.75	1B	1-3/8	3/4	0.4
MA20	AK20	1.41	1.75	2.00	1B	1-3/8	7/8	0.7
MA21	AK21	1.51	1.85	2.10	1B	1-3/8	7/8	0.7
MA22	AK22	1.61	1.95	2.20	1B	1-3/8	7/8	0.8
MA23	AK23	1.71	2.05	2.30	1B	1-3/8	1	0.8
MA24	-	1.76	2.10	2.35	1B	1-3/8	7/8	0.8
MA25	AK25	1.91	2.25	2.50	2B	1-1/4	1-1/8	0.9
MA26	AK26	2.01	2.35	2.60	2B	1-1/4	1-1/8	0.9
MA27	AK27	2.11	2.45	2.70	2B	1-1/4	1-1/8	0.9
MA28	AK28	2.21	2.55	2.80	2B	1-1/4	1-1/8	0.9
MA30	AK30	2.46	2.80	3.05	2B	1-1/4	1-1/8	1.2
MA33	AK32	2.66	3.00	3.25	2B	1-1/4	1-1/8	1.5
MA35	AK34	2.86	3.20	3.45	2B	1-1/4	1-1/8	1.4
MA38	AK39	3.16	3.50	3.75	2W	1-1/8	1-1/8	1.5
MA40	AK41	3.36	3.70	3.95	2W	1-1/8	1-3/16	2.0
MA43	AK44	3.66	4.00	4.25	2W	1-1/8	1-3/16	2.0
MA45	AK46	3.86	4.20	4.45	2W	1-1/8	1-3/16	2.0
MA48	AK49	4.16	4.50	4.75	1A	1-3/8	1-3/16	2.0
MA50	AK51	4.36	4.70	4.95	1A	1-3/8	1-3/16	2.0
MA53	AK54	4.66	5.00	5.25	1A	1-3/8	1-3/16	2.5
MA55	AK56	4.86	5.20	5.45	1A	1-3/8	1-3/16	2.5
MA58	AK59	5.16	5.50	5.75	1A	1-3/8	1-3/16	2.5
MA60	AK61	5.36	5.70	5.95	1A	1-3/8	1-3/16	3.0
MA63	AK64	5.66	6.00	6.25	1A	1-3/8	1-1/4	3.0
MA65	AK66	5.86	6.20	6.45	1A	1-3/8	1-1/4	3.0
MA68	AK69	6.16	6.50	6.75	1A	1-3/8	1-1/4	3.0
MA70	AK71	6.36	6.70	6.95	1A	1-3/8	1-7/16	3.5
MA73	AK74	6.66	7.00	7.25	1A	1-3/8	1-7/16	3.5
MA78	AK79	7.16	7.50	7.75	1A	1-3/8	1-7/16	3.5
MA80	-	7.41	7.75	8.00	1A	1-3/8	1-7/16	3.5
MA83	AK84	7.66	8.00	8.25	1A	1-3/8	1-7/16	4.4
MA88	AK89	8.16	8.50	8.75	1A	1-3/8	1-7/16	4.5
MA90	-	8.41	8.75	9.00	1A	1-3/8	1-7/16	4.5
MA93	AK94	8.66	9.00	9.25	1A	1-3/8	1-7/16	5.4
MA98	AK99	9.16	9.50	9.75	1A	1-3/8	1-7/16	5.5
MA100	-	9.41	9.75	10.00	1A	1-3/8	1-7/16	5.5
MA103	AK104	9.66	10.00	10.25	1A	1-3/8	1-7/16	6.0
MA108	AK109	10.16	10.50	10.75	1A	1-3/8	1-7/16	6.0
MA110	-	10.41	10.75	11.00	1A	1-3/8	1-5/8	6.5
MA113	AK114	10.66	11.00	11.25	1A	1-3/8	1-7/16	6.5
MA120	-	11.41	11.75	12.00	1A	1-3/8	1-7/16	7.5
MA123	AK124	11.66	12.00	12.25	1A	1-3/8	1-7/16	7.0
MA133	AK134	12.66	13.00	13.25	1A	1-3/8	1-3/4	8.5
MA143	AK144	13.66	14.00	14.25	1A	1-3/8	1-3/4	9.0
MA153	AK155	14.66	15.00	15.25	1A	1-3/8	1-3/4	9.0
MA183	AK184	17.66	18.00	18.25	1A	1-3/8	1-7/8	14.0

P.D. for "A" (4L) belts = O.D
P.D. for "3L" belts = D.D.+0.25 = O.D.-0.34
* DO NOT use 3L belts with MA15 and MA18 sheaves



Type 1



Type 2

Light duty fixed bore

MA (A & 3L-4L V-belts)

1 groove

Part number	Standard bores part numbers										
	1/2	5/8	3/4	7/8	15/16	1	1-1/8	1-3/16	1-1/4	1-3/8	1-7/16
MA15*	MA15X1/2	MA15X5/8	-	-	-	-	-	-	-	-	-
MA18*	MA18X1/2	MA18X5/8	MA18X3/4	-	-	-	-	-	-	-	-
MA20	MA20X1/2	MA20X5/8	MA20X3/4	MA20X7/8	-	-	-	-	-	-	-
MA21	MA21X1/2	MA21X5/8	MA21X3/4	-	-	-	-	-	-	-	-
MA22	MA22X1/2	MA22X5/8	MA22X3/4	MA22X7/8	-	-	-	-	-	-	-
MA23	MA23X1/2	MA23X5/8	MA23X3/4	MA23X7/8	-	MA23X1	-	-	-	-	-
MA24	MA24X1/2	MA24X5/8	MA24X3/4	-	-	-	-	-	-	-	-
MA25	MA25X1/2	MA25X5/8	MA25X3/4	MA25X7/8	-	MA25X1	MA25X1-1/8	-	-	-	-
MA26	MA26X1/2	MA26X5/8	MA26X3/4	MA26X7/8	-	MA26X1	-	-	-	-	-
MA27	MA27X1/2	MA27X5/8	MA27X3/4	MA27X7/8	-	MA27X1	-	-	-	-	-
MA28	MA28X1/2	MA28X5/8	MA28X3/4	MA28X7/8	-	MA28X1	MA28X1-1/8	-	-	-	-
MA30	MA30X1/2	MA30X5/8	MA30X3/4	MA30X7/8	-	MA30X1	MA30X1-1/8	-	-	-	-
MA33	MA33X1/2	MA33X5/8	MA33X3/4	MA33X7/8	-	MA33X1	MA33X1-1/8	-	-	-	-
MA35	MA35X1/2	MA35X5/8	MA35X3/4	MA35X7/8	-	MA35X1	MA35X1-1/8	-	-	-	-
MA38	MA38X1/2	MA38X5/8	MA38X3/4	MA38X7/8	MA38X15/16	MA38X1	MA38X1-1/8	-	-	-	-
MA40	MA40X1/2	MA40X5/8	MA40X3/4	MA40X7/8	MA40X15/16	MA40X1	MA40X1-1/8	-	-	-	-
MA43	MA43X1/2	MA43X5/8	MA43X3/4	MA43X7/8	MA43X15/16	MA43X1	MA43X1-1/8	-	-	-	-
MA45	MA45X1/2	MA45X5/8	MA45X3/4	MA45X7/8	MA45X15/16	MA45X1	MA45X1-1/8	-	-	-	-
MA48	MA48X1/2	MA48X5/8	MA48X3/4	MA48X7/8	MA48X15/16	MA48X1	MA48X1-1/8	-	-	-	-
MA50	MA50X1/2	MA50X5/8	MA50X3/4	MA50X7/8	-	MA50X1	MA50X1-1/8	MA50X1-3/16	-	-	-
MA53	MA53X1/2	MA53X5/8	MA53X3/4	MA53X7/8	MA53X15/16	MA53X1	MA53X1-1/8	MA53X1-3/16	-	-	-
MA55	MA55X1/2	MA55X5/8	MA55X3/4	MA55X7/8	MA55X15/16	MA55X1	MA55X1-1/8	MA55X1-3/16	-	-	-
MA58	MA58X1/2	MA58X5/8	MA58X3/4	MA58X7/8	MA58X15/16	MA58X1	MA58X1-1/8	MA58X1-3/16	-	-	-
MA60	MA60X1/2	MA60X5/8	MA60X3/4	MA60X7/8	MA60X15/16	MA60X1	MA60X1-1/8	MA60X1-3/16	-	-	-
MA63	MA63X1/2	MA63X5/8	MA63X3/4	MA63X7/8	MA63X15/16	MA63X1	MA63X1-1/8	MA63X1-3/16	-	-	-
MA65	MA65X1/2	MA65X5/8	MA65X3/4	MA65X7/8	-	MA65X1	MA65X1-1/8	-	-	-	-
MA68	-	MA68X5/8	MA68X3/4	-	-	MA68X1	MA68X1-1/8	-	-	-	-
MA70	MA70X1/2	MA70X5/8	MA70X3/4	MA70X7/8	-	MA70X1	MA70X1-1/8	MA70X1-3/16	-	-	MA70X1-7/16
MA73	MA73X1/2	MA73X5/8	MA73X3/4	MA73X7/8	-	MA73X1	MA73X1-1/8	MA73X1-3/16	MA73X1-1/4	-	MA73X1-7/16
MA78		MA78X5/8	MA78X3/4	MA78X7/8	-	MA78X1	MA78X1-1/8	-	-	-	MA78X1-7/16
MA80	MA80X1/2	MA80X5/8	MA80X3/4	MA80X7/8	-	MA80X1	MA80X1-1/8	-	MA80X1-1/4	-	-
MA83	MA83X1/2	MA83X5/8	MA83X3/4	MA83X7/8	-	MA83X1	MA83X1-1/8	MA83X1-3/16	-	-	MA83X1-7/16
MA88	-	-	MA88X3/4	-	-	MA88X1	MA88X1-1/8	-	-	-	MA88X1-7/16
MA90	-	MA90X5/8	MA90X3/4	-	-	MA90X1	-	-	-	-	-
MA93	MA93X1/2	MA93X5/8	MA93X3/4	-	MA93X15/16	MA93X1	MA93X1-1/8	MA93X1-3/16	MA93X1-1/4	-	MA93X1-7/16
MA98	-	-	MA98X3/4	-	-	MA98X1	-	-	-	-	MA98X1-7/16
MA100	-	MA100X5/8	MA100X3/4	MA100X7/8	-	MA100X1	MA100X1-1/8	-	-	-	-
MA103	-	MA103X5/8	MA103X3/4	-	-	MA103X1	-	MA103X1-3/16	-	-	-
MA108	-	-	-	-	-	MA108X1	-	-	-	-	-
MA110	-	-	MA110X3/4	-	-	MA110X1	-	-	-	-	-
MA113	-	-	MA113X3/4	MA113X7/8	-	MA113X1	-	MA113X1-3/16	-	-	MA113X1-7/16
MA120	MA120X1/2	MA120X5/8	MA120X3/4	MA120X7/8	-	MA120X1	-	MA120X1-3/16	-	-	-
MA123	-	MA123X5/8	MA123X3/4	-	-	MA123X1	-	MA123X1-3/16	MA123X1-1/4	-	MA123X1-7/16
MA133	-	-	MA133X3/4	-	-	MA133X1	-	MA133X1-3/16	-	MA133X1-3/8	MA133X1-7/16
MA143	-	MA143X5/8	MA143X3/4	MA143X7/8	-	MA143X1	-	MA143X1-3/16	-		MA143X1-7/16
MA153	-	MA153X5/8	MA153X3/4	-	-	MA153X1	-	MA153X1-3/16	-	MA153X1-3/8	MA153X1-7/16
MA183	-	-	MA183X3/4	-	-	MA183X1	-	MA183X1-3/16	-	-	MA183X1-7/16

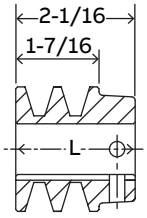
Light duty fixed bore

2MA (A V-belts)

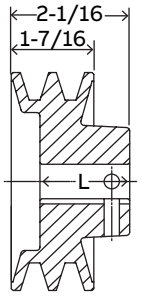
2 grooves

Part number	Cross reference	D.D. A belts	O.D.	Type	L	Maximum bore	Approximate weight
2MA20	2AK20	1.75	2.00	3B	2-1/16	3/4	1.0
2MA22	2AK21	1.90	2.15	3B	2-1/16	7/8	1.0
2MA23	2AK22	2.00	2.25	3B	2-1/16	1	1.0
2MA24	2AK23	2.10	2.35	4B	1-7/8	1-1/8	1.0
2MA25	2AK25	2.30	2.55	4B	1-11/16	1-1/8	1.5
2MA27	2AK26	2.40	2.65	4B	1-7/8	1-1/8	1.5
2MA28	2AK27	2.50	2.75	4B	1-11/16	1-1/8	1.5
2MA29	2AK28	2.60	2.85	4B	1-11/16	1-1/8	1.5
2MA30	2AK30	2.80	3.05	4B	1-11/16	1-1/8	2.0
2MA33	2AK32	3.00	3.25	4B	1-5/8	1-1/8	2.0
2MA35	2AK34	3.20	3.45	4B	1-5/8	1-1/8	2.5
2MA38	2AK39	3.50	3.75	4B	1-5/8	1-3/16	3.0
2MA40	2AK41	3.70	3.95	4W	1-9/16	1-3/16	3.0
2MA43	2AK44	4.00	4.25	4W	1-9/16	1-3/16	3.0
2MA45	2AK46	4.20	4.45	4W	1-11/16	1-3/16	4.0
2MA48	2AK49	4.50	4.75	4W	1-9/16	1-3/8	3.5
2MA50	2AK51	4.70	4.95	4W	1-9/16	1-3/16	4.0
2MA53	2AK54	5.00	5.25	4W	1-9/16	1-3/8	4.0
2MA55	2AK56	5.20	5.45	4W	1-9/16	1-3/8	5.0
2MA58	2AK59	5.50	5.75	4W	1-9/16	1-3/8	5.0
2MA60	2AK61	5.70	5.95	4W	1-11/16	1-3/8	6.0
2MA63	2AK64	6.00	6.25	4A	1-9/16	1-11/16	5.5
2MA70	-	6.75	7.00	4A	1-9/16	1-11/16	6.0
2MA73	2AK74	7.00	7.25	4A	1-9/16	1-11/16	6.0
2MA80	-	7.75	8.00	4A	1-9/16	1-11/16	7.0
2MA83	2AK84	8.00	8.25	4A	1-9/16	1-7/16	8.0
2MA90	-	8.75	9.00	4A	1-9/16	1-7/16	8.5
2MA93	2AK94	9.00	9.25	4A	1-9/16	1-11/16	9.0
2MA100	-	9.75	10.00	4A	1-9/16	1-11/16	9.0
2MA103	2AK104	10.00	10.25	4A	1-9/16	1-11/16	10.0
2MA110	-	10.75	11.00	4A	1-9/16	1-11/16	10.0
2MA113	2AK114	11.00	11.25	4A	1-9/16	1-11/16	11.0
2MA120	-	11.75	12.00	4A	1-9/16	1-11/16	11.0
2MA123	2AK124	12.00	12.25	4A	1-19/32	1-11/16	12.0
2MA133	2AK134	13.00	13.25	4A	1-19/32	1-11/16	14.0
2MA143	2AK144	14.00	14.25	4A	1-9/16	1-11/16	15.0
2MA153	2AK155	15.00	15.25	4A	1-9/16	1-15/16	17.0
2MA183	2AK184	18.00	18.25	4A	1-17/32	1-7/16	19.0

P.D. for “A” belts = O.D.



Type 3



Type 4

Keyseat information

Bore range	Keyseat
1/2”	None
5/8” - 7/8”	3/16” X 3/32”
15/16” - 1-1/4”	1/4” X 1/8”
1-5/16” - 1-3/8”	5/16” X 5/32”
1-7/16” - 1-3/4”	3/8” X 3/16”

Light duty fixed bore

2MA (A V-belts)

2 grooves

Part number	Standard bores part numbers										
	1/2	5/8	3/4	7/8	15/16	1	1-1/8	1-3/16	1-1/4	1-3/8	1-7/16
2MA20	2MA20X1/2	2MA20X5/8	2MA20X3/4	2MA20X7/8	-	-	-	-	-	-	-
2MA22	2MA22X1/2	2MA22X5/8	2MA22X3/4	-	-	-	-	-	-	-	-
2MA23	2MA23X1/2	2MA23X5/8	2MA23X3/4	2MA23X7/8	-	2MA23X1	-	-	-	-	-
2MA24	-	2MA24X5/8	2MA24X3/4	2MA24X7/8	-	2MA24X1	-	-	-	-	-
2MA25	2MA25X1/2	2MA25X5/8	2MA25X3/4	2MA25X7/8	-	2MA25X1	2MA25X1-1/8	-	-	-	-
2MA27	2MA27X1/2	2MA27X5/8	2MA27X3/4	2MA27X7/8	-	2MA27X1	-	-	-	-	-
2MA28	-	2MA28X5/8	2MA28X3/4	2MA28X7/8	-	2MA28X1	2MA28X1-1/8	-	-	-	-
2MA29	-	2MA29X5/8	2MA29X3/4	2MA29X7/8	-	2MA29X1	-	-	-	-	-
2MA30	2MA30X1/2	2MA30X5/8	2MA30X3/4	2MA30X7/8	-	2MA30X1	2MA30X1-1/8	-	-	-	-
2MA33	-	2MA33X5/8	2MA33X3/4	2MA33X7/8	-	2MA33X1	2MA33X1-1/8	-	-	-	-
2MA35	2MA35X1/2	2MA35X5/8	2MA35X3/4	2MA35X7/8	-	2MA35X1	2MA35X1-1/8	-	-	-	-
2MA38	-	2MA38X5/8	2MA38X3/4	2MA38X7/8	-	2MA38X1	2MA38X1-1/8	-	-	-	-
2MA40	-	2MA40X5/8	2MA40X3/4	2MA40X7/8	-	2MA40X1	2MA40X1-1/8	-	-	-	-
2MA43	-	2MA43X5/8	2MA43X3/4	2MA43X7/8	-	2MA43X1	2MA43X1-1/8	-	-	-	-
2MA45	-	2MA45X5/8	2MA45X3/4	2MA45X7/8	-	2MA45X1	2MA45X1-1/8	-	-	-	-
2MA48	-	-	2MA48X3/4	2MA48X7/8	-	2MA48X1	2MA48X1-1/8	-	-	2MA48X1-3/8	-
2MA50	-	2MA50X5/8	2MA50X3/4	2MA50X7/8	-	2MA50X1	2MA50X1-1/8	-	-	2MA50X1-3/8	-
2MA53	-	2MA53X5/8	2MA53X3/4	2MA53X7/8	-	2MA53X1	2MA53X1-1/8	-	-	2MA53X1-3/8	-
2MA55	-	2MA55X5/8	2MA55X3/4	2MA55X7/8	-	2MA55X1	2MA55X1-1/8	-	-	2MA55X1-3/8	-
2MA58	-	-	-	-	-	2MA58X1	2MA58X1-1/8	-	-	2MA58X1-3/8	-
2MA60	-	-	2MA60X3/4	2MA60X7/8	-	2MA60X1	2MA60X1-1/8	-	-	2MA60X1-3/8	-
2MA63	-	-	2MA63X3/4	-	-	2MA63X1	2MA63X1-1/8	2MA63X1-3/16	-	2MA63X1-3/8	2MA63X1-7/16
2MA70	-	-	2MA70X3/4	-	-	2MA70X1	2MA70X1-1/8	-	-	-	-
2MA73	-	-	2MA73X3/4	-	-	2MA73X1	2MA73X1-1/8	2MA73X1-3/16	-	2MA73X1-3/8	2MA73X1-7/16
2MA80	-	-	2MA80X3/4	-	-	2MA80X1	2MA80X1-1/8	-	-	-	-
2MA83	-	-	2MA83X3/4	-	2MA83X15/16	2MA83X1	2MA83X1-1/8	2MA83X1-3/16	-	2MA83X1-3/8	2MA83X1-7/16
2MA90	-	2MA90X5/8	-	-	-	2MA90X1	2MA90X1-1/8	-	-	-	-
2MA93	-	-	2MA93X3/4	-	-	2MA93X1	2MA93X1-1/8	2MA93X1-3/16	-	2MA93X1-3/8	2MA93X1-7/16
2MA100	-	-	-	-	-	2MA100X1	-	-	-	-	-
2MA103	-	-	2MA103X3/4	-	2MA103X15/16	2MA103X1	-	2MA103X1-3/16	-	-	2MA103X1-7/16
2MA110	-	-	-	-	-	-	-	-	-	-	-
2MA113	-	-	2MA113X3/4	-	-	2MA113X1	-	2MA113X1-3/16	-	2MA113X1-3/8	2MA113X1-7/16
2MA120	-	-	-	2MA120X7/8	-	2MA120X1	-	-	-	-	-
2MA123	-	-	2MA123X3/4	-	-	2MA123X1	-	2MA123X1-3/16	-	-	2MA123X1-7/16
2MA133	-	-	-	-	-	-	-	2MA133X1-3/16	-	-	2MA133X1-7/16
2MA143	-	-	-	-	-	2MA143X1	-	2MA143X1-3/16	-	-	2MA143X1-7/16
2MA153	-	-	-	-	-	-	-	2MA153X1-3/16	-	-	2MA153X1-7/16
2MA183	-	-	-	-	-	-	-	2MA183X1-3/16	2MA183X1-1/4	-	2MA183X1-7/16

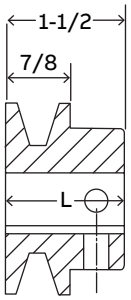
Light duty fixed bore

MB (A, B, 4L & 5L V-belts)

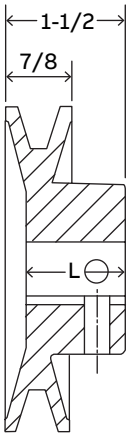
1 groove

Part number	Cross reference	D.D. A (4L) belts	D.D. B (5L) belts	O.D.	Type	L	Maximum bore	Approximate weight
MB20	-	*1.25	1.65	2.00	5B	1-1/2	3/4	0.5
MB23	-	*1.50	1.90	2.25	6B	1-11/35	1	1.0
MB24	BK24	1.65	2.05	2.40	6B	1-1/2	1	1.0
MB25	BK25	*1.75	2.15	2.50	5B	1-1/2	1-1/8	1.0
MB26	BK26	1.85	2.25	2.60	5B	1-1/2	1-1/8	1.0
MB28	BK27	1.95	2.35	2.70	6B	1-3/8	1-1/8	1.0
MB30	BK28	2.20	2.60	2.95	6B	1-3/8	1-1/8	1.0
MB31	BK30	2.40	2.80	3.15	6B	1-3/8	1-1/8	1.0
MB33	-	2.50	2.90	3.25	6B	1-3/8	1-1/8	1.0
MB34	BK32	2.60	3.00	3.35	6B	1-3/8	1-1/8	1.0
MB35	BK34	2.80	3.20	3.55	6B	1-3/8	1-1/8	1.5
MB38	BK36	3.00	3.40	3.75	6B	1-1/4	1-1/8	1.5
MB40	BK40	3.20	3.60	3.95	6B	1-1/4	1-3/16	2.0
MB43	BK45	3.50	3.90	4.25	6W	1-1/4	1-3/16	2.0
MB45	BK47	3.70	4.10	4.45	6W	1-1/4	1-3/16	2.0
MB48	BK50	4.00	4.40	4.75	5W	1-1/2	1-1/4	2.5
MB50	BK52	4.20	4.60	4.95	5W	1-1/2	1-1/4	2.5
MB53	BK55	4.50	4.90	5.25	6W	1-5/16	1-3/16	3.0
MB55	BK57	4.70	5.10	5.45	5A	1-1/2	1-1/4	2.5
MB58	BK60	5.00	5.40	5.75	5A	1-1/2	1-3/16	2.5
MB60	BK62	5.20	5.60	5.95	5A	1-1/2	1-1/2	2.5
MB63	BK65	5.50	5.90	6.25	5A	1-1/2	1-5/16	3.0
MB65	BK67	5.70	6.10	6.45	5A	1-1/2	1-1/4	3.0
MB68	BK70	6.00	6.40	6.75	5A	1-1/2	1-7/16	4.0
MB70	BK72	6.20	6.60	6.95	5A	1-1/2	1-1/4	3.5
MB73	BK75	6.50	6.90	7.25	5A	1-1/2	1-3/8	3.5
MB75	BK77	6.70	7.10	7.45	5A	1-1/2	1-1/2	4.0
MB78	BK80	7.00	7.40	7.75	5A	1-1/2	1-7/16	4.0
MB80	-	7.25	7.65	8.00	5A	1-1/2	1-7/16	4.0
MB83	BK85	7.50	7.90	8.25	5A	1-1/2	1-7/16	4.5
MB88	BK90	8.00	8.40	8.75	5A	1-1/2	1-7/16	5.0
MB90	-	8.25	8.65	9.00	5A	1-1/2	1-7/16	5.0
MB93	BK95	8.50	8.90	9.25	5A	1-1/2	1-7/16	5.5
MB98	BK100	9.00	9.40	9.75	5A	1-1/2	1-7/16	6.0
MB100	-	9.25	9.65	10.00	5A	1-1/2	1-7/16	6.0
MB103	BK105	9.50	9.90	10.25	5A	1-1/2	1-5/8	6.5
MB108	BK110	10.00	10.40	10.75	5A	1-1/2	1-7/16	7.0
MB110	-	10.25	10.65	11.00	5A	1-1/2	1-5/8	7.0
MB113	BK115	10.50	10.90	11.25	5A	1-1/2	1-5/8	8.0
MB118	BK120	11.00	11.40	11.75	5A	1-1/2	1-5/8	8.0
MB120	-	11.25	11.65	12.00	5A	1-1/2	1-5/8	8.0
MB128	BK130	12.00	12.40	12.75	5A	1-1/2	1-5/8	9.0
MB138	BK140	13.00	13.40	13.75	5A	1-1/2	1-5/8	10.0
MB158	BK160	15.00	15.40	15.75	5A	1-1/2	1-5/8	12.0
MB188	BK190	18.00	18.40	18.75	5A	1-1/2	1-5/8	14.0

P.D. for "A" (4L) belts = Datum dia. + 0.35" = O.D. - 0.40"
P.D. for "B" (5L) belts = O.D.
* DO NOT use "A" or "4L" belts with these specific bores



Type 5



Type 6

Light duty fixed bore

MB (A, B, 4L & 5L V-belts)

1 groove

Part number	Standard bores part numbers										
	1/2	5/8	3/4	7/8	15/16	1	1-1/8	1-3/16	1-1/4	1-3/8	1-7/16
MB20	MB20X1/2	MB20X5/8	MB20X3/4	-	-	-	-	-	-	-	-
MB23	MB23X1/2	MB23X5/8	MB23X3/4	MB23X7/8	-	MB23X1	-	-	-	-	-
MB24	MB24X1/2	MB24X5/8	MB24X3/4	MB24X7/8	-	-	-	-	-	-	-
MB25	MB25X1/2	MB25X5/8	MB25X3/4	MB25X7/8	-	MB25X1	MB25X1-1/8	-	-	-	-
MB26	MB26X1/2	MB26X5/8	MB26X3/4	MB26X7/8	-	MB26X1	-	-	-	-	-
MB28	MB28X1/2	MB28X5/8	MB28X3/4	MB28X7/8	-	MB28X1	MB28X1-1/8	-	-	-	-
MB30	MB30X1/2	MB30X5/8	MB30X3/4	MB30X7/8	-	MB30X1	MB30X1-1/8	-	-	-	-
MB31	MB31X1/2	MB31X5/8	MB31X3/4	MB31X7/8	-	MB31X1	MB31X1-1/8	-	-	-	-
MB33	MB33X1/2	MB33X5/8	MB33X3/4	MB33X7/8	-	MB33X1	MB33X1-1/8	-	-	-	-
MB34	MB34X1/2	MB34X5/8	MB34X3/4	MB34X7/8	-	MB34X1	MB34X1-1/8	-	-	-	-
MB35	MB35X1/2	MB35X5/8	MB35X3/4	MB35X7/8	-	MB35X1	MB35X1-1/8	-	-	-	-
MB38	MB38X1/2	MB38X5/8	MB38X3/4	MB38X7/8	-	MB38X1	MB38X1-1/8	-	-	-	-
MB40	MB40X1/2	MB40X5/8	MB40X3/4	MB40X7/8	-	MB40X1	MB40X1-1/8	MB40X1-3/16	-	-	-
MB43	MB43X1/2	MB43X5/8	MB43X3/4	MB43X7/8	-	MB43X1	MB43X1-1/8	-	-	-	-
MB45	MB45X1/2	MB45X5/8	MB45X3/4	MB45X7/8	-	MB45X1	MB45X1-1/8	-	-	-	-
MB48	MB48X1/2	MB48X5/8	MB48X3/4	MB48X7/8	MB48X15/16	MB48X1	MB48X1-1/8	-	-	-	-
MB50	MB50X1/2	MB50X5/8	MB50X3/4	MB50X7/8	-	MB50X1	MB50X1-1/8	MB50X1-3/16	-	-	-
MB53	MB53X1/2	MB53X5/8	MB53X3/4	MB53X7/8	-	MB53X1	MB53X1-1/8	MB53X1-3/16	-	-	-
MB55	-	MB55X5/8	MB55X3/4	MB55X7/8	MB55X15/16	MB55X1	MB55X1-1/8	MB55X1-3/16	MB55X1-1/4	-	-
MB58	-	MB58X5/8	MB58X3/4	MB58X7/8	-	MB58X1	MB58X1-1/8	MB58X1-3/16	-	-	-
MB60	MB60X1/2	MB60X5/8	MB60X3/4	MB60X7/8	MB60X15/16	MB60X1	MB60X1-1/8	MB60X1-3/16	-	-	-
MB63	-	MB63X5/8	MB63X3/4	-	-	MB63X1	MB63X1-1/8	-	-	-	-
MB65	-	MB65X5/8	MB65X3/4	MB65X7/8	-	MB65X1	MB65X1-1/8	-	-	-	-
MB68	-	MB68X5/8	MB68X3/4	-	MB68X15/16	MB68X1	MB68X1-1/8	MB68X1-3/16	-	-	MB68X1-7/16
MB70	-	-	MB70X3/4	-	-	MB70X1	MB70X1-1/8	MB70X1-3/16	-	MB70X1-3/8	MB70X1-7/16
MB73	-	-	MB73X3/4	-	-	MB73X1	MB73X1-1/8	MB73X1-3/16	-	MB73X1-3/8	-
MB75	-	-	MB75X3/4	-	-	MB75X1	MB75X1-1/8	-	-	MB75X1-3/8	-
MB78	-	MB78X5/8	MB78X3/4	MB78X7/8	-	MB78X1	MB78X1-1/8	MB78X1-3/16	MB78X1-1/4	MB78X1-3/8	MB78X1-7/16
MB80	-	-	MB80X3/4	MB80X7/8	-	MB80X1	MB80X1-1/8	-	-	-	-
MB83	-	-	MB83X3/4	-	-	MB83X1	MB83X1-1/8	-	-	MB83X1-3/8	MB83X1-7/16
MB88	-	MB88X5/8	MB88X3/4	MB88X7/8	MB88X15/16	MB88X1	MB88X1-1/8	MB88X1-3/16	-	MB88X1-3/8	MB88X1-7/16
MB90	-	-	MB90X3/4	-	-	MB90X1	-	-	-	-	MB90X1-7/16
MB93	-	-	MB93X3/4	-	-	MB93X1	MB93X1-1/8	-	-	MB93X1-3/8	MB93X1-7/16
MB98	-	-	MB98X3/4	MB98X7/8	MB98X15/16	MB98X1	MB98X1-1/8	MB98X1-3/16	MB98X1-1/4	MB98X1-3/8	MB98X1-7/16
MB100	-	MB100X5/8	MB100X3/4	-	-	MB100X1	MB100X1-1/8	MB100X1-3/16	-	MB100X1-3/8	-
MB103	-	-	-	-	-	MB103X1	-	-	-	MB103X1-3/8	MB103X1-7/16
MB108	-	-	MB108X3/4	-	-	MB108X1	MB108X1-1/8	MB108X1-3/16	-	MB108X1-3/8	MB108X1-7/16
MB110	-	-	-	-	-	MB110X1	-	-	-	-	MB110X1-7/16
MB113	-	-	MB113X3/4	-	-	MB113X1	-	-	-	MB113X1-3/8	MB113X1-7/16
MB118	-	-	MB118X3/4	-	-	MB118X1	-	MB118X1-3/16	MB118X1-1/4	MB118X1-3/8	MB118X1-7/16
MB120	-	-	-	-	-	MB120X1	-	MB120X1-3/16	-	-	MB120X1-7/16
MB128	-	-	MB128X3/4	-	-	MB128X1	MB128X1-1/8	MB128X1-3/16	MB128X1-1/4	-	MB128X1-7/16
MB138	-	-	MB138X3/4	-	-	MB138X1	MB138X1-1/8	MB138X1-3/16	-	-	MB138X1-7/16
MB158	-	-	-	-	-	MB158X1	MB158X1-1/8	MB158X1-3/16	MB158X1-1/4	-	MB158X1-7/16
MB188	-	-	-	-	-	MB188X1	-	MB188X1-3/16	MB188X1-1/4	-	MB188X1-7/16

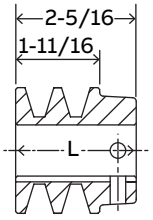
Light duty fixed bore

2MB (A & B V-belts)

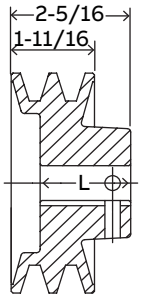
2 grooves

Part number	Cross reference	D.D. A belts	D.D. B belts	O.D.	Type	L	Maximum bore	Approximate weight
2MB20	-	*1.35	1.75	2.00	7B	2-1/8	7/8	1.0
2MB23	-	*1.60	2.00	2.25	8B	2-5/16	7/8	1.0
2MB25	2BK25	*1.90	2.30	2.50	7B	2-5/16	1-1/8	1.5
2MB28	2BK27	2.10	2.50	2.70	8B	1-15/16	1-1/8	1.5
2MB30	2BK28	2.20	2.60	2.95	8B	1-15/16	1-1/8	2.0
2MB32	2BK30	2.40	2.80	3.15	8B	1-7/8	1-1/8	2.0
2MB33	-	2.50	2.90	3.25	8B	1-7/8	1-1/8	2.0
2MB34	2BK32	2.60	3.00	3.35	8B	1-15/16	1-1/8	3.0
2MB35	2BK34	2.80	3.20	3.55	8B	1-7/8	1-1/8	2.5
2MB38	2BK36	3.00	3.40	3.75	8B	1-7/8	1-3/8	3.0
2MB40	2BK40	3.20	3.60	3.95	8B	1-11/16	1-3/16	3.0
2MB43	2BK45	3.50	3.90	4.25	8W	1-13/16	1-3/8	4.0
2MB45	2BK47	3.70	4.10	4.45	8W	1-13/16	1-1/4	4.0
2MB48	2BK50	4.00	4.40	4.75	8W	1-13/16	1-1/4	4.0
2MB50	2BK52	4.20	4.60	4.95	8W	1-11/16	1-1/4	4.5
2MB53	2BK55	4.50	4.90	5.25	8W	1-13/16	1-3/8	5.0
2MB55	2BK57	4.70	5.10	5.45	8W	1-13/16	1-3/8	5.0
2MB58	2BK60	5.00	5.40	5.75	8W	1-13/16	1-3/8	5.0
2MB60	2BK62	5.20	5.60	5.95	8W	1-13/16	1-3/8	6.0
2MB63	2BK65	5.50	5.90	6.25	8A	1-13/16	1-11/16	6.0
2MB65	2BK67	5.70	6.10	6.45	8A	1-11/16	1-11/16	6.0
2MB68	2BK70	6.00	6.40	6.75	8A	1-13/16	1-11/16	6.0
2MB70	-	6.25	6.65	7.00	8A	1-13/16	1-11/16	6.0
2MB78	2BK80	7.00	7.40	7.75	8A	1-13/16	1-11/16	7.0
2MB80	-	7.25	7.65	8.00	8A	1-13/16	1-11/16	8.0
2MB88	2BK90	8.00	8.40	8.75	8A	1-13/16	1-11/16	8.0
2MB90	-	8.25	8.65	9.00	8A	1-11/16	1-11/16	9.0
2MB98	2BK100	9.00	9.40	9.75	8A	1-13/16	1-11/16	10.0
2MB100	-	9.25	9.65	10.00	8A	1-13/16	1-11/16	10.0
2MB108	2BK110	10.00	10.40	10.75	8A	1-13/16	1-11/16	13.0
2MB110	-	10.25	10.65	11.00	8A	1-13/16	1-11/16	13.0
2MB118	2BK120	11.00	11.40	11.75	8A	1-13/16	1-11/16	10.0
2MB120	-	11.25	11.65	12.00	8A	1-11/16	1-11/16	15.0
2MB128	2BK130	12.00	12.40	12.75	8A	1-13/16	1-7/8	15.0
2MB138	2BK140	13.00	13.40	13.75	8A	1-13/16	1-7/8	17.0
2MB158	2BK160	15.00	15.40	15.75	8A	1-13/16	1-7/8	18.0
2MB188	2BK190	18.00	18.40	18.75	8A	1-13/16	1-7/8	26.0

P.D. for "A" belts = Datum dia. + 0.35" = O.D. - 0.40"
P.D. for "B" belts = O.D.
* DO NOT use "A" belts with these specific bores



Type 7



Type 8

Keyseat information

Bore range	Keyseat
1/2"	None
5/8" - 7/8"	3/16" X 3/32"
15/16" - 1-1/4"	1/4" X 1/8"
1-5/16" - 1-3/8"	5/16" X 5/32"
1-7/16" - 1-3/4"	3/8" X 3/16"

Light duty fixed bore

2MB (A & B V-belts)

2 grooves

Part number	Standard bores part numbers										
	1/2	5/8	3/4	7/8	15/16	1	1-1/8	1-3/16	1-1/4	1-3/8	1-7/16
2MB20	2MB20X1/2	2MB20X5/8	2MB20X3/4	2MB20X7/8	-	-	-	-	-	-	-
2MB23	-	2MB23X5/8	-	2MB23X7/8	-	-	-	-	-	-	-
2MB25	2MB25X1/2	2MB25X5/8	2MB25X3/4	2MB25X7/8	-	2MB25X1	2MB25X1-1/8	-	-	-	-
2MB28	2MB28X1/2	2MB28X5/8	2MB28X3/4	2MB28X7/8	-	2MB28X1	2MB28X1-1/8	-	-	-	-
2MB30	2MB30X1/2	2MB30X5/8	2MB30X3/4	2MB30X7/8	-	2MB30X1	2MB30X1-1/8	-	-	2MB30X1-3/8	-
2MB32	2MB32X1/2	2MB32X5/8	2MB32X3/4	2MB32X7/8	-	2MB32X1	2MB32X1-1/8	-	-	-	-
2MB33	-	2MB33X5/8	2MB33X3/4	2MB33X7/8	-	2MB33X1	2MB33X1-1/8	-	-	-	-
2MB34	-	2MB34X5/8	-	2MB34X7/8	-	2MB34X1	2MB34X1-1/8	-	-	-	-
2MB35	-	2MB35X5/8	2MB35X3/4	2MB35X7/8	-	2MB35X1	2MB35X1-1/8	-	-	-	-
2MB38	-	2MB38X5/8	2MB38X3/4	2MB38X7/8	-	2MB38X1	2MB38X1-1/8	-	-	2MB38X1-3/8	-
2MB40	-	2MB40X5/8	2MB40X3/4	2MB40X7/8	-	2MB40X1	2MB40X1-1/8	-	2MB40X1-1/4	2MB40X1-3/8	-
2MB43	-	-	-	-	-	2MB43X1	2MB43X1-1/8	-	-	2MB43X1-3/8	-
2MB45	-	2MB45X5/8	-	2MB45X7/8	-	2MB45X1	2MB45X1-1/8	-	-	-	-
2MB48	-	-	2MB48X3/4	-	-	2MB48X1	2MB48X1-1/8	-	-	2MB48X1-3/8	-
2MB50	-	2MB50X5/8	2MB50X3/4	2MB50X7/8	-	2MB50X1	2MB50X1-1/8	-	2MB50X1-1/4	2MB50X1-3/8	-
2MB53	-	-	-	2MB53X7/8	-	2MB53X1	2MB53X1-1/8	-	-	2MB53X1-3/8	-
2MB55	-	-	2MB55X3/4	2MB55X7/8	-	2MB55X1	2MB55X1-1/8	-	-	2MB55X1-3/8	-
2MB58	-	-	-	-	-	2MB58X1	2MB58X1-1/8	-	-	2MB58X1-3/8	-
2MB60	-	-	-	2MB60X7/8	-	2MB60X1	2MB60X1-1/8	-	-	2MB60X1-3/8	-
2MB63	-	-	2MB63X3/4	-	-	2MB63X1	2MB63X1-1/8	-	-	2MB63X1-3/8	-
2MB65	-	-	2MB65X3/4	-	-	2MB65X1	2MB65X1-1/8	-	-	2MB65X1-3/8	-
2MB68	-	-	-	-	-	2MB68X1	2MB68X1-1/8	2MB68X1-3/16	-	2MB68X1-3/8	2MB68X1-7/16
2MB70	-	-	-	2MB70X7/8	-	2MB70X1	2MB70X1-1/8	-	-	-	-
2MB75	-	-	-	-	-	-	2MB75X1-1/8	-	-	-	-
2MB78	-	-	2MB78X3/4	2MB78X7/8	-	2MB78X1	2MB78X1-1/8	2MB78X1-3/16	2MB78X1-1/4	2MB78X1-3/8	2MB78X1-7/16
2MB80	-	-	-	-	-	2MB80X1	2MB80X1-1/8	-	-	2MB80X1-3/8	-
2MB88	-	-	2MB88X3/4	-	-	2MB88X1	2MB88X1-1/8	2MB88X1-3/16	2MB88X1-1/4	2MB88X1-3/8	2MB88X1-7/16
2MB90	-	-	-	-	-	2MB90X1	-	-	-	-	-
2MB98	-	-	2MB98X3/4	-	-	2MB98X1	2MB98X1-1/8	2MB98X1-3/16	-	-	2MB98X1-7/16
2MB100	-	-	-	-	-	2MB100X1	-	-	2MB100X1-1/4	-	-
2MB108	-	-	-	-	-	2MB108X1	-	2MB108X1-3/16	2MB108X1-1/4	-	2MB108X1-7/16
2MB110	-	-	-	-	-	2MB110X1	-	-	2MB110X1-1/4	-	-
2MB118	-	-	-	-	-	2MB118X1	-	2MB118X1-3/16	2MB118X1-1/4	-	2MB118X1-7/16
2MB120	-	-	-	-	-	2MB120X1	-	-	2MB120X1-1/4	-	-
2MB128	-	-	-	-	-	2MB128X1	-	2MB128X1-3/16	-	-	2MB128X1-7/16
2MB138	-	-	-	-	-	2MB138X1	-	2MB138X1-3/16	2MB138X1-1/4	-	2MB138X1-7/16
2MB158	-	-	-	-	-	2MB158X1	-	2MB158X1-3/16	-	-	2MB158X1-7/16
2MB188	-	-	-	-	-	-	-	2MB188X1-3/16	-	-	2MB188X1-7/16

Light duty bush type

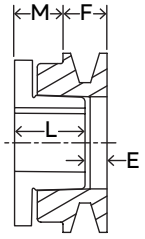
MAL (A & 3L-4L V-belts)

Note: This entire product series uses the “H” bushing.

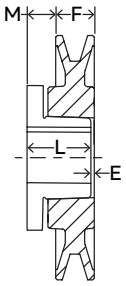
1 groove

Part number	Cross reference	D.D. (3L) belts	D.D. A (4L) belts	O.D.	Type	Dimensions*				Weight (lbs.)
						E	F	H	M	
MAL30	AK30H	2.46	2.8	3.05	1B	3/8	3/4	1-11/32	31/32	1.15
MAL32	AK32H	2.66	3.0	3.25	1B	3/8	3/4	1-11/32	31/32	1.30
MAL34	AK34H	2.86	3.2	3.45	1B	3/32	3/4	1-11/32	11/16	1.20
MAL37	AK39H	3.16	3.5	3.75	1B	3/32	3/4	1-11/32	11/16	1.50
MAL39	AK41H	3.36	3.7	3.95	1B	3/32	3/4	1-11/32	11/16	1.75
MAL42	AK44H	3.66	4.0	4.25	1B	3/32	3/4	1-11/32	11/16	2.05
MAL44	AK46H	3.86	4.2	4.45	1B	3/32	3/4	1-11/32	11/16	2.25
MAL47	AK49H	4.16	4.5	4.75	3W	3/32	3/4	1-11/32	11/16	2.10
MAL49	AK51H	4.36	4.7	4.95	3W	3/32	3/4	1-11/32	11/16	2.35
MAL52	AK54H	4.66	5.0	5.25	3W	3/32	3/4	1-11/32	11/16	2.65
MAL54	AK56H	4.86	5.2	5.45	3W	3/32	3/4	1-11/32	11/16	2.75
MAL57	AK59H	5.16	5.5	5.75	5A	3/32	3/4	1-11/32	11/16	2.60
MAL59	AK61H	5.36	5.7	5.95	5A	3/32	3/4	1-11/32	11/16	2.50
MAL62	AK64H	5.66	6.0	6.25	5A	3/32	3/4	1-11/32	11/16	2.60
MAL64	AK66H	5.86	6.2	6.45	5A	3/32	3/4	1-11/32	11/16	2.70
MAL67	AK69H	6.16	6.5	6.75	5A	3/32	3/4	1-11/32	11/16	2.85
MAL69	AK71H	6.36	6.7	6.95	5A	3/32	3/4	1-11/32	11/16	2.90
MAL72	AK74H	6.66	7.0	7.25	5A	3/32	3/4	1-11/32	11/16	3.10
MAL77	AK79H	7.16	7.5	7.75	5A	3/32	3/4	1-11/32	11/16	3.35
MAL82	AK84H	7.66	8.0	8.25	5A	1/8	3/4	1-11/32	23/32	3.85
MAL87	AK89H	8.16	8.5	8.75	5A	3/32	3/4	1-11/32	11/16	4.10
MAL92	AK94H	8.66	9.0	9.25	5A	3/32	3/4	1-11/32	11/16	4.40
MAL97	AK99H	9.16	9.5	9.75	5A	3/32	3/4	1-11/32	11/16	4.60
MAL102	AK104H	9.66	10.0	10.25	5A	3/32	3/4	1-11/32	11/16	4.90
MAL107	AK109H	10.16	10.5	10.75	5A	3/32	3/4	1-11/32	11/16	5.20
MAL112	AK114H	10.66	11.0	11.25	5A	3/32	3/4	1-11/32	11/32	5.55
MAL122	AK124H	11.66	12.0	12.25	5A	3/32	3/4	1-11/32	11/16	5.90
MAL132	AK134H	12.66	13.0	13.25	5A	3/32	3/4	1-11/32	11/16	6.55
MAL142	AK144H	13.66	14.0	14.25	5A	3/32	3/4	1-11/32	11/16	7.30
MAL152	AK155H	14.66	15.0	15.25	5A	3/32	3/4	1-11/32	11/16	9.80
MAL182	AK184H	17.66	18.0	18.25	5A	3/32	3/4	1-11/32	11/16	9.95

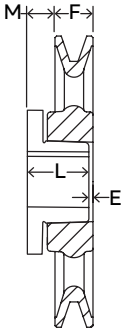
P.D. for “A” (4L) belts = O.D.
P.D. for “3L” belts = D.D.+0.25 = O.D. - 0.34
* Dimensions to closest fraction
Legend: “E” and “M” dimensions may vary according to shaft tolerance.
With “H” bushing only reverse mounting is possible.



Type 1



Type 3



Type 5

Light duty bush type

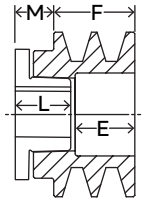
2MAL (A V-belts)

Note: This entire product series uses the “H” bushing.

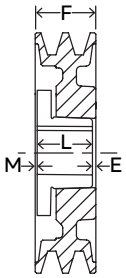
2 grooves

Part number	Cross reference	D.D. A belts	O.D.	Type	Dimensions*				Weight (lbs.)
					E	F	H	M	
2MAL30	2AK30H	2.8	3.05	2B	1	1-3/8	1-11/32	31/32	1.70
2MAL32	2AK32H	3.0	3.25	2B	1	1-3/8	1-11/32	31/32	1.90
2MAL34	2AK34H	3.2	3.45	2B	23/32	1-3/8	1-11/32	11/16	1.90
2MAL37	2AK39H	3.5	3.75	2B	23/32	1-3/8	1-11/32	11/16	2.15
2MAL39	2AK41H	3.7	3.95	4B	3/32	1-3/8	1-11/32	1/16	2.30
2MAL42	2AK44H	4.0	4.25	4B	3/32	1-3/8	1-11/32	1/16	2.75
2MAL44	2AK46H	4.2	4.45	4W	3/32	1-3/8	1-11/32	1/16	2.85
2MAL47	2AK49H	4.5	4.75	4W	3/32	1-3/8	1-11/32	1/16	3.50
2MAL49	2AK51H	4.7	4.95	4W	3/32	1-3/8	1-11/32	1/16	3.70
2MAL52	2AK54H	5.0	5.25	4W	3/32	1-3/8	1-11/32	1/16	4.05
2MAL54	2AK56H	5.2	5.45	4W	3/32	1-3/8	1-11/32	1/16	4.20
2MAL57	2AK59H	5.5	5.75	6A	3/32	1-3/8	1-11/32	1/16	3.90
2MAL59	2AK61H	5.7	5.95	6A	3/32	1-3/8	1-11/32	1/16	4.05
2MAL62	2AK64H	6.0	6.25	6A	3/32	1-3/8	1-11/32	1/16	4.50
2MAL72	2AK74H	7.0	7.25	6A	3/32	1-3/8	1-11/32	1/16	5.70
2MAL82	2AK84H	8.0	8.25	6A	3/32	1-3/8	1-11/32	1/16	6.50
2MAL92	2AK94H	9.0	9.25	6A	3/32	1-3/8	1-11/32	1/16	7.80
2MAL102	2AK104H	10.0	10.25	6A	3/32	1-3/8	1-11/32	1/16	8.80
2MAL112	2AK114H	11.0	11.25	6A	3/32	1-3/8	1-11/32	1/16	9.50
2MAL122	2AK124H	12.0	12.25	6A	3/32	1-3/8	1-11/32	1/16	10.60
2MAL132	2AK134H	13.0	13.25	6A	3/32	1-3/8	1-11/32	1/16	11.90
2MAL142	2AK144H	14.0	14.25	6A	3/32	1-3/8	1-11/32	1/16	12.45
2MAL152	2AK155H	15.0	15.25	6A	3/32	1-3/8	1-11/32	1/16	14.00
2MAL182	2AK184H	18.0	18.25	6A	3/32	1-3/8	1-11/32	1/16	17.95

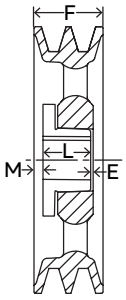
P.D. for “A” belts = O.D.
* Dimensions to closest fraction
Legend: “E” and “M” dimensions may vary according to shaft tolerance.
With “H” bushing only reverse mounting is possible.



Type 2



Type 4



Type 6

Light duty bush type

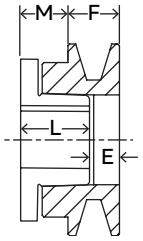
MBL (A-B & 4L-5L V-belts)

Note: This entire product series uses the “H” bushing.

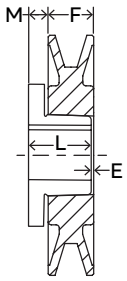
1 groove

Part number	Cross reference	D.D. A (4L) belts	D.D. B (5L) belts	O.D.	Type	Dimensions*				Weight (lbs.)
						E	F	H	M	
MBL31	BK30H	2.40	2.80	3.15	1B	17/32	29/32	1-11/32	63/64	1.25
MBL33	BK32H	2.60	3.00	3.35	1B	17/32	29/32	1-11/32	63/64	1.40
MBL35	BK34H	2.80	3.20	3.55	1B	17/32	29/32	1-11/32	63/64	1.65
MBL37	BK36H	3.00	3.40	3.75	3B	3/32	29/32	1-11/32	17/32	1.40
MBL39	BK40H	3.20	3.60	3.95	3B	3/32	29/32	1-11/32	17/32	1.70
MBL42	BK45H	3.50	3.90	4.25	3B	3/32	29/32	1-11/32	17/32	2.05
MBL44	BK47H	3.70	4.10	4.45	3B	3/32	29/32	1-11/32	17/32	2.35
MBL47	BK50H	4.00	4.40	4.75	3W	3/32	29/32	1-11/32	17/32	1.95
MBL49	BK52H	4.20	4.60	4.95	3W	3/32	29/32	1-11/32	17/32	2.40
MBL52	BK55H	4.50	4.90	5.25	3W	3/32	29/32	1-11/32	17/32	2.35
MBL54	BK57H	4.70	5.10	5.45	3W	3/32	29/32	1-11/32	17/32	2.90
MBL57	BK60H	5.00	5.40	5.75	5W	3/32	29/32	1-11/32	17/32	2.45
MBL59	BK62H	5.20	5.60	5.95	5W	3/32	29/32	1-11/32	17/32	2.80
MBL62	BK65H	5.50	5.90	6.25	5W	3/32	29/32	1-11/32	17/32	2.70
MBL64	BK67H	5.70	6.10	6.45	5W	3/32	29/32	1-11/32	17/32	2.80
MBL67	BK70H	6.00	6.40	6.75	5A	3/32	29/32	1-11/32	17/32	3.00
MBL69	BK72H	6.20	6.60	6.95	5A	3/32	29/32	1-11/32	17/32	3.60
MBL72	BK75H	6.50	6.90	7.25	5A	3/32	29/32	1-11/32	17/32	3.45
MBL74	BK77H	6.70	7.10	7.45	5A	3/32	29/32	1-11/32	17/32	3.65
MBL77	BK80H	7.00	7.40	7.75	5A	3/32	29/32	1-11/32	17/32	3.80
MBL82	BK85H	7.50	7.90	8.25	5A	3/32	29/32	1-11/32	17/32	4.55
MBL87	BK90H	8.00	8.40	8.75	5A	3/32	29/32	1-11/32	17/32	5.10
MBL92	BK95H	8.50	8.90	9.25	5A	3/32	29/32	1-11/32	17/32	5.30
MBL97	BK100H	9.00	9.40	9.75	5A	3/32	29/32	1-11/32	17/32	5.80
MBL102	BK105H	9.50	9.90	10.25	5A	3/32	29/32	1-11/32	17/32	5.50
MBL107	BK110H	10.00	10.40	10.75	5A	3/32	29/32	1-11/32	17/32	5.85
MBL112	BK115H	10.50	10.90	11.25	5A	3/32	29/32	1-11/32	17/32	7.20
MBL117	BK120H	11.00	11.40	11.75	5A	3/32	29/32	1-11/32	17/32	6.59
MBL127	BK130H	12.00	12.40	12.75	5A	3/32	29/32	1-11/32	17/32	7.90
MBL137	BK140H	13.00	13.40	13.75	5A	3/32	29/32	1-11/32	17/32	10.15
MBL147	BK150H	14.00	14.40	14.75	5A	3/32	29/32	1-11/32	17/32	13.25
MBL157	BK160H	15.00	15.40	15.75	5A	3/32	29/32	1-11/32	17/32	16.05
MBL187	BK190H	18.00	18.40	18.75	5A	3/32	29/32	1-11/32	17/32	12.45

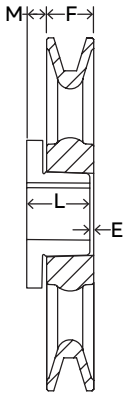
P.D. for “A” (4L) belts = Datum dia. + 0.35” = O.D. - 0.40”
P.D. for “B” (5L) belts = O.D.
* Dimensions to closest fraction
Legend: “E” and “M” dimensions may vary according to shaft tolerance.
With “H” bushing only reverse mounting is possible.



Type 1



Type 3



Type 5

Light duty bush type

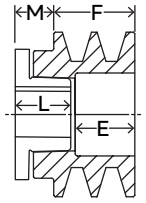
2MBL (A-B V-belts)

Note: This entire product series uses the “H” bushing.

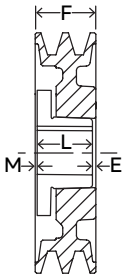
2 grooves

Part number	Cross reference	D.D. A belts	D.D. B belts	O.D.	Type	Dimensions*				Weight (lbs.)
						E	F	H	M	
2MBL33	2BK32H	2.60	3.00	3.35	2B	1-3/8	1-3/4	1-11/32	31/32	2.35
2MBL35	2BK34H	2.80	3.20	3.55	2B	1-3/8	1-3/4	1-11/32	31/32	2.55
2MBL37	2BK36H	3.00	3.40	3.75	2B	1-3/8	1-3/4	1-11/32	31/32	3.00
2MBL39	2BK40H	3.20	3.60	3.95	2B	15/16	1-3/4	1-11/32	17/32	2.80
2MBL42	2BK45H	3.50	3.90	4.25	2B	15/16	1-3/4	1-11/32	17/32	3.25
2MBL44	2BK47H	3.70	4.10	4.45	2B	15/16	1-3/4	1-11/32	17/32	3.35
2MBL47	2BK50H	4.00	4.40	4.75	4W	3/32	1-3/4	1-11/32	5/16	3.85
2MBL49	2BK52H	4.20	4.60	4.95	4W	3/32	1-3/4	1-11/32	5/16	4.00
2MBL52	2BK55H	4.50	4.90	5.25	4W	3/32	1-3/4	1-11/32	5/16	4.40
2MBL54	2BK57H	4.70	5.10	5.45	4W	3/32	1-3/4	1-11/32	5/16	4.95
2MBL57	2BK60H	5.00	5.40	5.75	4W	3/32	1-3/4	1-11/32	5/16	5.30
2MBL59	2BK62H	5.20	5.60	5.95	4W	3/32	1-3/4	1-11/32	5/16	5.80
2MBL62	2BK65H	5.50	5.90	6.25	6A	1/16	1-3/4	1-11/32	11/32	5.40
2MBL64	2BK67H	5.70	6.10	6.45	6A	1/16	1-3/4	1-11/32	11/32	5.85
2MBL67	2BK70H	6.00	6.40	6.75	6A	1/16	1-3/4	1-11/32	11/32	5.55
2MBL69	-	6.20	6.60	6.95	6A	1/16	1-3/4	1-11/32	11/32	6.65
2MBL77	2BK80H	7.00	7.40	7.75	6A	1/16	1-3/4	1-11/32	11/32	6.85
2MBL87	2BK90H	8.00	8.40	8.75	6A	1/16	1-3/4	1-11/32	11/32	9.65
2MBL97	2BK100H	9.00	9.40	9.75	6A	1/16	1-3/4	1-11/32	11/32	9.20
2MBL107	2BK110H	10.00	10.40	10.75	6A	1/16	1-3/4	1-11/32	11/32	12.80
2MBL117	2BK120H	11.00	11.40	11.75	6A	1/16	1-3/4	1-11/32	11/32	14.65
2MBL127	2BK130H	12.00	12.40	12.75	6A	1/16	1-3/4	1-11/32	11/32	14.15
2MBL137	2BK140H	13.00	13.40	13.75	6A	1/16	1-3/4	1-11/32	11/32	14.95
2MBL157	2BK160H	15.00	15.40	15.75	6A	1/16	1-3/4	1-11/32	11/32	18.70
2MBL187	2BK190H	18.00	18.40	18.75	6A	1/16	1-3/4	1-11/32	11/32	24.20

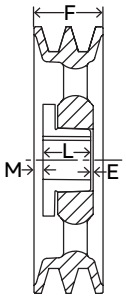
P.D. for “A” belts = Datum dia. + 0.35” = O.D. - 0.40”
P.D. for “B” belts = O.D.
* Dimensions to closest fraction
Legend: “E” and “M” dimensions may vary according to shaft tolerance.
With “H” bushing only reverse mounting is possible.



Type 2



Type 4



Type 6

Fractional horsepower series (F.H.P.)

Fractional horsepower series MFAL

(Fixed bore A & 4L V-belt series)
Features
- Stock items include one set screw with standard keyseat.

Caution: DO NOT use “A” gripnotch belts ratings with MFAL and MFAM sheaves.

How to order
Example: **MFAL104X3/4**
M FAL 104 X 3/4
M: **Light duty family**
FAL: **Fractional horsepower series**
104: **Outside diameter** (10”)
(Refer to the dimensions table for exact value)
3/4: **Bore size** (3/4”)

Fractional horsepower series (F.H.P.)

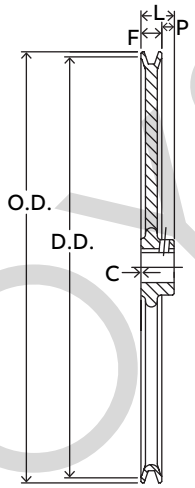
Fractional horsepower series MFAL

Part number	Cross reference	Diameter		Stock bore part numbers				Dimensions				Weight (lbs.)
		Outside	D.D. A (4L)	5/8	3/4	7/8	1	F	L	P	C	
MFAL54*	AL 54	4.93	4.78	MFAL54X5/8	MFAL54X3/4	-	MFAL54X1	19/32	1-1/16	15/32	-	1.1
MFAL64*	AL 64	5.93	5.78	MFAL64X5/8	MFAL64X3/4	MFAL64X7/8	MFAL64X1	19/32	1-1/16	15/32	-	1.5
MFAL74*	AL 74	6.93	6.78	MFAL74X5/8	MFAL74X3/4	-	MFAL74X1	19/32	1-1/16	15/32	-	1.75
MFAL84*	AL 84	7.93	7.78	MFAL84X5/8	MFAL84X3/4	MFAL84X7/8	MFAL84X1	19/32	1-1/16	15/32	-	2.2
MFAL94	AL 94	8.93	8.78	-	MFAL94X3/4	-	MFAL94X1	19/32	1-1/16	15/32	-	3.0
MFAL104	AL 104	9.93	9.78	-	MFAL104X3/4	MFAL94X7/8	MFAL104X1	19/32	1-1/16	15/32	-	2.7
MFAL114	AL 114	10.93	10.78	-	MFAL114X3/4	-	MFAL114X1	19/32	1-1/16	15/32	-	3.1
MFAL124	AL 124	11.93	11.78	-	MFAL124X3/4	MFAL124X7/8	MFAL124X1	19/32	1-1/16	15/32	-	3.5
MFAM144	AM 144	14.16	14.00	-	-	-	MFAM144X1	11/16	1-3/32	13/32	1/32	5.2

* This item is packaged 10 per carton.
Pitch dia. for “A” (4L) belts = Datum dia. +.26” = O.D. +.11”

Keyseat information

Bore range	Keyseat
1/2”	None
5/8” - 7/8”	3/16” X 3/32”
15/16” - 1-1/4”	1/4” X 1/8”



Adjustable pitch sheaves

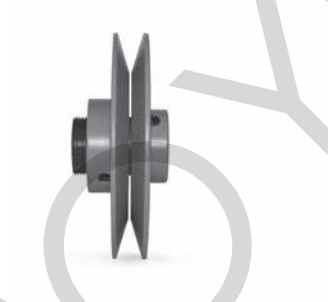
Adjustable speed sheaves are used primarily in the air handling industry. Optimal fan working speed is easily obtained by simply adjusting one of the pulleys.

Features

- Adjustable pitch sheaves are made of durable gray cast iron class 30.
- Line covers from fractional light duty (less than 1 Hp) to heavy duty (40 Hp) applications

Note:

- DO NOT use these gray cast iron sheaves with rim speeds in excess of 6500 feet per minute. Note that the maximum RPM indicated on the arm of the sheave is based on the 6500 ft./min. limit, and doesn't take into consideration the need for dynamic balancing (two planes). Please verify the validity of dynamic balancing in your application. All operational PT products when used in a drive are potentially dangerous and must be guarded by the user as required by applicable laws, regulations, standards and good safety practice. (Refer to ANSI standard B15.1)
- Irregardless of the equipment used, ABB recommends NOT reboring adjustable pitch pulleys. The concentricity may be lost.



Adjustable pitch MVL

Features:
- HVAC applications
- Designed for applications up to 5 Hp
- Bore range 1/2” to 7/8”
- Bulk packaged 20 per carton
- Designed to be used with the MFAL series

Note: DO NOT use B gripnotch belt ratings with MVL sheaves.

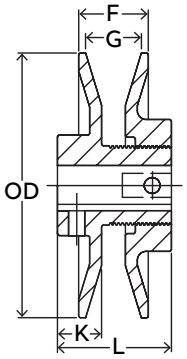
How to order:
Example: **MVL30X5/8**
MVL 30 X 5/8
MVL: **Adjustable pitch sheave series**
30: **Approximate outside diameter** (2.87”)
5/8: **Bore size** (5/8”)
Inch bore sizes are designated with the whole inch followed by the fraction. For example, a 1.5” diameter bore would be 1-1/2”.

Pulley Adjustment
Modify the sheave pitch diameter by rotating the adjustable flange on the threaded hub of the pulley. Once the required diameter is obtained, tighten the adjusting screw(s) on one of the two flat surfaces.

Adjustable pitch MVL

Dimensions

Part number	Cross reference	O.D.	F maximum	F minimum	G maximum	G minimum	Dimensions L	Dimensions K	Weight (lbs.)
MVL25	VL25	2.50	27/32	19/32	5/8	3/8	1-1/2	37/64	0.8
MVL30	VL30	2.87	27/32	19/32	5/8	3/8	1-1/2	37/64	1.0
MVL34	VL34	3.15	1-5/64	23/32	7/8	1/2	1-11/16	37/64	1.1
MVL40	VL40	3.75	1-3/32	45/64	7/8	1/2	1-11/16	37/64	1.5
MVL44	VL44	4.15	1-3/32	45/64	7/8	1/2	1-11/16	37/64	1.8
1VM50	1VM50	4.75	1-1/16	11/16	7/8	1/2	1 7/8	21/32	2.8



Part number					Dimensions	
	1/2	5/8	3/4	7/8	14mm	19mm
MVL25	MVL25X1/2	MVL25X5/8	-	-	-	-
MVL30	MVL30X1/2	MVL30X5/8	-	-	-	-
MVL34	MVL34X1/2	MVL34X5/8	MVL34X3/4	-	-	-
MVL40	MVL40X1/2	MVL40X5/8	MVL40X3/4	MVL40X7/8	-	-
MVL44	MVL44X1/2	MVL44X5/8	MVL44X3/4	MVL44X7/8	MVL44X14MM	MVL44X19MM
1VM50	1VM50X1/2	1VM50X5/8	1VM50X3/4	1VM50X7/8	-	-

Datum diameters

	Part number	Minimum	Maximum	Datum diameter, inches: 0 turn close	1 turn open	2 turns open	3 turns open	4 turns open	5 turns open	6 turns open	7 turns open
3L belt	MVL25	1.6	2.4	2.4	2.2	2.0	1.8	1.6	-	-	-
	MVL30	1.8	2.6	2.6	2.4	2.2	2.0	1.8	-	-	-
	MVL34	1.7	2.5	2.5	2.3	2.1	1.9	1.7	-	-	-
	MVL40	2.3	3.1	3.1	2.9	2.7	2.5	2.3	-	-	-
	MVL44	2.7	3.5	3.5	3.3	3.1	2.9	2.7	-	-	-
	1VM50	3.3	4.1	4.1	3.9	3.7	3.5	3.3	-	-	-
A (4L) belt	MVL25	1.6	2.2	-	-	2.2	2.0	1.8	1.6	-	-
	MVL30	2.0	2.6	-	-	2.6	2.4	2.2	2.0	-	-
	MVL34	1.9	2.9	2.9	2.7	2.5	2.3	2.1	1.9	-	-
	MVL40	2.4	3.4	3.4	3.2	3.0	2.8	2.6	2.4	-	-
	MVL44	2.8	3.8	3.8	3.6	3.4	3.2	3.0	2.8	-	-
	1VM50	3.4	4.4	4.4	4.2	4.0	3.8	3.6	3.4	-	-
B* (5L) belt	MVL25	2.0	2.2	-	-	-	-	2.2	2.0	-	-
	MVL30	2.4	2.6	-	-	-	-	2.6	2.4	-	-
	MVL34	2.4	3.2	-	3.2	3.0	2.8	2.6	2.4	-	-
	MVL40	2.7	3.7	-	3.7	3.5	3.3	3.1	2.9	2.7	-
	MVL44	3.1	4.1	-	4.1	3.9	3.7	3.5	3.3	3.1	-
	1VM50	3.7	4.7	-	4.7	4.5	4.3	4.1	3.9	3.7	-

Pitch dia. for 3L belts = Datum dia. + .25”
Pitch dia. for “A” (4L) belts = Datum dia. + .25”
Pitch dia. for “B” (5L) belts = Datum dia. + .35”

Bore range	Keyseat
1/2”	None
5/8” - 7/8”	3/16” X 3/32”

Adjustable pitch VP series

Features:

- Dodge 1VP and 2VP series are finished bore variable speed sheaves made of cast iron and designed for heavier duty service up to 25 Hp
- Available in single and double grooves, offering a pitch range from 1.9” x to 6.7” (A belt) and 2.4” to 7.0” (B belt)
- Type 2 model has positive locked-on settings

How to order:

Example: **1VP71X3/4**

1 VP71 X 3/4

1: **Number of grooves**

VP71: **Adjustable pitch sheave size**
Last 2 digits represent the approximate outside diameter. (7.1”)

3/4: **Bore size** (3/4”)
Inch bore sizes are designated with the whole inch followed by the fraction. For example, a 1.5” diameter bore would be 1-1/2”.

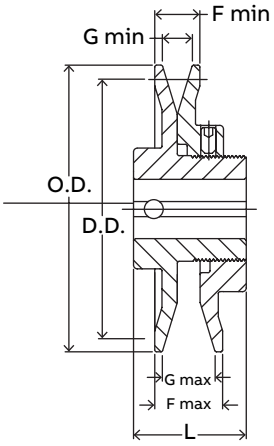
Pulley adjustment

Modify the sheave pitch diameter by rotating the adjustable flange on the threaded hub of the pulley. Once the required diameter is obtained, tighten the adjusting screw(s) on one of the two flat surfaces.

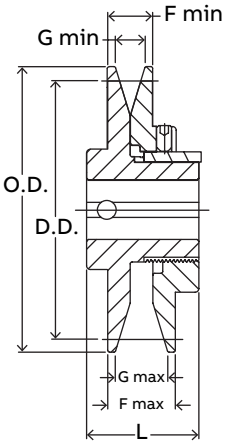
To obtain the same pitch diameter in both grooves of the VP series, tighten both movable flanges against the central flange, make trace marks on both flanges, then rotate both flanges the same number of turns.

Adjustable pitch VP series

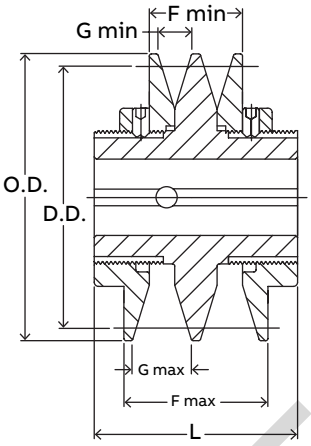
1VP & 2VP



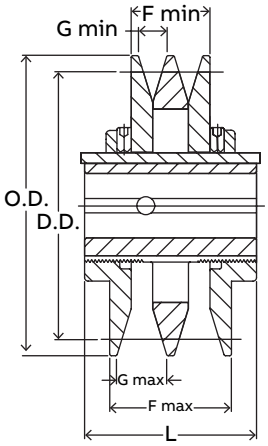
Type 1 (without key)



Type 2



Type 3 (without key)



Type 4

Part number	Type	O.D.	L	F		G		Weight (lbs.)
				Maximum	Minimum	Maximum	Minimum	
1VP25	1	2.50	1-1/2	13/16	9/16	5/8	3/8	7
1VP30	1	2.87	1-21/32	13/16	9/16	5/8	3/8	1.1
1VP34	1	3.15	1-7/8	1	11/16	13/16	1/2	1.4
1VP40	1	3.75	1-7/8	1-1/16	11/16	7/8	1/2	1.9
1VP44	1	4.15	1-7/8	1-1/16	11/16	7/8	1/2	2.4
1VP44	2	4.15	1-7/8	1-1/8	3/4	7/8	1/2	2.9
1VP50	1	4.75	2	1-1/16	11/16	7/8	1/2	2.9
1VP50	2	4.75	1-7/8	1-1/8	3/4	7/8	1/2	3.6
1VP56	1	5.35	1-7/8	1-1/16	11/16	7/8	1/2	3.8
1VP56	2	5.35	1-7/8	1-1/8	3/4	7/8	1/2	4.4
1VP60	2	6.00	1-21/32	1-1/4	7/8	1-1/32	21/32	6.5
1VP62	2	5.95	1-29/32	1-1/8	3/4	7/8	1/2	6.1
1VP65	2	6.50	1-21/32	1-1/4	7/8	1-1/32	21/32	6.8
1VP68	2	6.55	1-29/32	1-1/8	3/4	7/8	1/2	7.3
1VP71	2	7.10	1-21/32	1-1/4	7/8	1-1/32	21/32	8.2
1VP75	2	7.50	1-21/32	1-1/4	7/8	1-1/32	21/32	9.2
2VP36	3	3.35	3	2	1-3/8	13/16	1/2	3.4
2VP42	3	3.95	3	2-1/8	1-3/8	7/8	1/2	4.4
2VP50	4	4.75	3	2-1/8	1-3/8	7/8	1/2	6.3
2VP56	4	5.35	3	2-1/8	1-3/8	7/8	1/2	7.8
2VP60	4	6.00	3-1/4	2-3/8	1-5/8	1-1/32	21/32	10.6
2VP62	4	5.95	3	2-1/8	1-3/8	7/8	1/2	10.0
2VP65	4	6.50	3-1/4	2-3/8	1-5/8	1-1/32	21/32	12.3
2VP68	4	6.55	3	2-1/8	1-3/8	7/8	1/2	11.7
2VP71	4	7.10	3-1/4	2-3/8	1-5/8	1-1/32	21/32	14.6
2VP75	4	7.50	3-1/4	2-3/8	1-5/8	1-1/32	21/32	16.5

* Supplied without keyway thru the bore

Adjustable pitch VP series

1VP & 2VP

Part number	Standard bores part numbers						
	1/2	5/8	3/4	7/8	1	1-1/8	1-1/4
1VP25	1VP25X1/2	-	-	-	-	-	-
1VP30	1VP30X1/2	1VP30X5/8	1VP30X3/4	-	-	-	-
1VP34	1VP34X1/2	1VP34X5/8	1VP34X3/4	1VP34X7/8	-	-	-
1VP40	1VP40X1/2	1VP40X5/8	1VP40X3/4	1VP40X7/8	-	1VP40X1-1/8	-
1VP44	1VP44X1/2	1VP44X5/8	1VP44X3/4	-	-	-	-
1VP44	-	-	-	1VP44X7/8	1VP44X1	1VP44X1-1/8	-
1VP50	1VP50X1/2	1VP50X5/8	1VP50X3/4	-	-	-	-
1VP50	-	-	-	1VP50X7/8	1VP50X1	1VP50X1-1/8	-
1VP56	1VP56X1/2	1VP56X5/8	1VP56X3/4	-	-	-	-
1VP56	-	-	-	1VP56X7/8	1VP56X1	1VP56X1-1/8	-
1VP60	-	-	1VP60X3/4	1VP60X7/8	-	1VP60X1-1/8	-
1VP62	-	1VP62X5/8	1VP62X3/4	1VP62X7/8	1VP62X1	1VP62X1-1/8	1VP62X1-1/4
1VP65	-	-	1VP65X3/4	1VP65X7/8	-	1VP65X1-1/8	-
1VP68	-	1VP68X5/8	1VP68X3/4	1VP68X7/8	1VP68X1	1VP68X1-1/8	1VP68X1-1/4
1VP71	-	-	1VP71X3/4	1VP71X7/8	-	1VP71X1-1/8	-
1VP75	-	1VP75X5/8	1VP75X3/4	1VP75X7/8	1VP75X1	1VP75X1-1/8	-
2VP36	2VP36X1/2	2VP36X5/8	2VP36X3/4	2VP36X7/8	-	-	-
2VP42	-	2VP42X5/8	2VP42X3/4	2VP42X7/8	2VP42X1	2VP42X1-1/8	-
2VP50	-	2VP50X5/8	2VP50X3/4	2VP50X7/8	2VP50X1	2VP50X1-1/8	-
2VP56	-	2VP56X5/8	2VP56X3/4	2VP56X7/8	2VP56X1	2VP56X1-1/8	-
2VP60	-	-	2VP60X3/4	2VP60X7/8	-	2VP60X1-1/8	-
2VP62	-	-	2VP62X3/4	2VP62X7/8	2VP62X1	2VP62X1-1/8	2VP62X1-1/4
2VP65	-	-	2VP65X3/4	2VP65X7/8	-	2VP65X1-1/8	-
2VP68	-	-	2VP68X3/4	2VP68X7/8	2VP68X1	2VP68X1-1/8	2VP68X1-1/4
2VP71	-	-	2VP71X3/4	2VP71X7/8	-	2VP71X1-1/8	-
2VP75	-	-	2VP75X3/4	2VP75X7/8	2VP75X1	2VP75X1-1/8	-

Part number	Standard bores part numbers						
	1-3/8	1-5/8	14mm	19mm	24mm	28mm	38mm
1VP25	-	-	-	-	-	-	-
1VP30	-	-	-	-	-	-	-
1VP34	-	-	1VP34X14MM	1VP34X19MM	-	-	-
1VP40	-	-	1VP40X14MM	1VP40X19MM	-	-	-
1VP44	-	-	1VP44X14MM	1VP44X19MM	-	-	-
1VP44	-	-	-	-	1VP44X24MM	-	-
1VP50	-	-	-	1VP50X19MM	-	-	-
1VP50	-	-	-	-	1VP50X24MM	1VP50X28MM	-
1VP56	-	-	-	-	-	-	-
1VP56	-	-	-	-	1VP56X24MM	1VP56X28MM	-
1VP60	1VP60X1-3/8	-	-	-	-	-	-
1VP62	1VP62X1-3/8	-	-	-	1VP62X24MM	1VP62X28MM	-
1VP65	1VP65X1-3/8	1VP65X1-5/8	-	-	-	-	-
1VP68	1VP68X1-3/8	-	-	-	-	-	-
1VP71	1VP71X1-3/8	1VP71X1-5/8	-	-	-	-	-
1VP75	1VP75X1-3/8	1VP75X1-5/8	-	-	-	-	-
2VP36	-	-	-	-	-	-	-
2VP42	-	-	-	-	2VP42X24MM	2VP42X28MM	-
2VP50	-	-	-	-	-	2VP50X28MM	-
2VP56	2VP56X1-3/8	-	-	-	-	2VP56X28MM	2VP56X38MM
2VP60	2VP60X1-3/8	2VP60X1-5/8	-	-	-	-	-
2VP62	2VP62X1-3/8	-	-	-	-	2VP62X28MM	2VP62X38MM
2VP65	2VP65X1-3/8	2VP65X1-5/8	-	-	-	-	-
2VP68	2VP68X1-3/8	2VP68X1-5/8	-	-	-	2VP68X28MM	2VP68X38MM
2VP71	2VP71X1-3/8	2VP71X1-5/8	-	-	-	-	-
2VP75	2VP75X1-3/8	2VP75X1-5/8	-	-	-	-	-

Adjustable pitch VP series

Datum diameters

	Part number	Datum diameter, inches								
		Minimum	Maximum	0 turn close	1 turn open	2 turns open	3 turns open	4 turns open	5 turns open	6 turns open
3L belt	1VP25	1.6	2.4	2.4	2.2	2.0	1.8	1.6	-	-
	1VP30	1.8	2.6	2.6	2.4	2.2	2.0	1.8	-	-
	1VP34	1.7	2.5	2.5	2.3	2.1	1.9	1.7	-	-
	2VP36	1.9	2.7	2.7	2.5	2.3	2.1	1.9	-	-
	1VP40	2.3	3.1	3.1	2.9	2.7	2.5	2.3	-	-
	2VP42	2.5	3.3	3.3	3.1	2.9	2.7	2.5	-	-
	1VP44	2.7	3.5	3.5	3.3	3.1	2.9	2.7	-	-
	1VP50 & 2VP50	3.3	4.1	4.1	3.9	3.7	3.5	3.3	-	-
	1VP56 & 2VP56	3.9	4.7	4.7	4.5	4.3	4.1	3.9	-	-
	1VP60 & 2VP60	-	-	-	-	-	-	-	-	-
	1VP62 & 2VP62	4.5	5.3	5.3	5.1	4.9	4.7	4.5	-	-
	1VP65 & 2VP65	-	-	-	-	-	-	-	-	-
	1VP68 & 2VP68	5.1	5.9	5.9	5.7	5.5	5.3	5.1	-	-
	1VP71 & 2VP71	-	-	-	-	-	-	-	-	-
	1VP75 & 2VP75	-	-	-	-	-	-	-	-	-
(4L) A belt	1VP34	1.9	2.9	2.9	2.7	2.5	2.3	2.1	1.9	-
	2VP36	2.0	3.0	3.0	2.8	2.6	2.4	2.2	2.0	-
	1VP40	2.4	3.4	3.4	3.2	3.0	2.8	2.6	2.4	-
	2VP42	2.6	3.6	3.6	3.4	3.2	3.0	2.8	2.6	-
	1VP44	2.8	3.8	3.8	3.6	3.4	3.2	3.0	2.8	-
	1VP50 & 2VP50	3.4	4.4	4.4	4.2	4.0	3.8	3.6	3.4	-
	1VP56 & 2VP56	4.0	5.0	5.0	4.8	4.6	4.4	4.2	4.0	-
	1VP60 & 2VP60	4.2	5.2	5.2	5.0	4.8	4.6	4.4	4.2	-
	1VP62 & 2VP62	4.6	5.6	5.6	5.4	5.2	5.0	4.8	4.6	-
	1VP65 & 2VP65	4.7	5.7	5.7	5.5	5.3	5.1	4.9	4.7	-
	1VP68 & VP68	5.2	6.2	6.2	6.0	5.8	5.6	5.4	5.2	-
	1VP71 & 2VP71	5.3	6.3	6.3	6.1	5.9	5.7	5.5	5.3	-
	1VP75 & 2VP75	5.7	6.7	6.7	6.5	6.3	6.1	5.9	5.7	-
(5L) B belt	1VP34	2.4	3.2	-	3.2	3.0	2.8	2.6	2.4	-
	2VP36	2.5	3.3	-	3.3	3.1	2.9	2.7	2.5	-
	1VP40	2.7	3.7	-	3.7	3.5	3.3	3.1	2.9	2.7
	2VP42	2.9	3.9	-	3.9	3.7	3.5	3.3	3.1	2.9
	1VP44	3.1	4.1	-	4.1	3.9	3.7	3.5	3.3	3.1
	1VP50 & 2VP50	3.7	4.7	-	4.7	4.5	4.3	4.1	3.9	3.7
	1VP56 & 2VP56	4.3	5.3	-	5.3	5.1	4.9	4.7	4.5	4.3
	1VP60 & 2VP60	4.3	5.5	5.5	5.3	5.1	4.9	4.7	4.5	4.3
	1VP62 & 2VP62	4.9	5.9	-	5.9	5.7	5.5	5.3	5.1	4.9
	1VP65 & 2VP65	4.8	6.0	6.0	5.8	5.6	5.4	5.2	5.0	4.8
	1VP68 & 2VP68	5.5	6.5	-	6.5	6.3	6.1	5.9	5.7	5.5
	1VP71 & 2VP71	5.4	6.6	6.6	6.4	6.2	6.0	5.8	5.6	5.4
	1VP75 & 2VP75	5.8	7.0	7.0	6.8	6.6	6.4	6.2	6.0	5.8
5V belt	1VP34	-	-	-	-	-	-	-	-	-
	2VP36	-	-	-	-	-	-	-	-	-
	1VP40	-	-	-	-	-	-	-	-	-
	2VP42	-	-	-	-	-	-	-	-	-
	1VP44	-	-	-	-	-	-	-	-	-
	1VP50 & 2VP50	-	-	-	-	-	-	-	-	-
	1VP56 & 2VP56	-	-	-	-	-	-	-	-	-
	1VP60 & 2VP60	-	-	-	-	-	-	-	-	-
	1VP62 & 2VP62	5.3	6.3	-	6.3	6.1	5.9	5.7	5.5	5.3
	1VP65 & 2VP65	5.2	6.4	6.4	6.2	6.0	5.8	5.6	5.4	5.2
	1VP68 & 2VP68	5.9	6.9	-	6.9	6.7	6.5	6.3	6.1	5.9
	1VP71 & 2VP71	5.8	7.0	7.0	6.8	6.6	6.4	6.2	6.0	5.8
	1VP75 & 2VP75	6.2	7.4	7.4	7.2	7.0	6.8	6.6	6.4	6.2

P.D. for “3L” belts = Datum dia. “3L” belts + .25”
P.D. for “A” (4L) belts = Datum dia. “A” belts + .25”
P.D. for “B” (5L) belts = Datum dia. “B” belts + .35”
P.D. for “5V” belts = Datum dia. “5V” belts + .10”

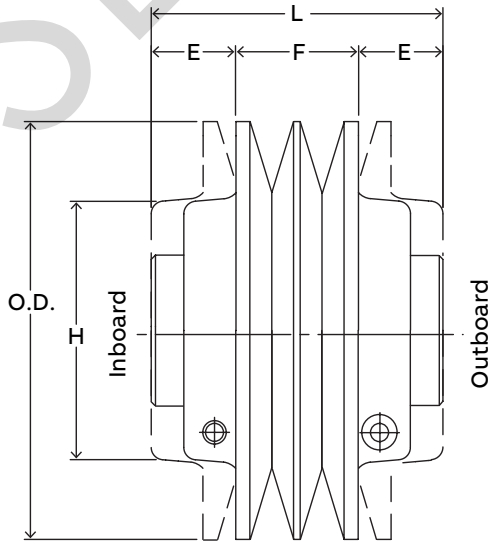
Heavy duty adjustable pitch MVS sheaves

Features:
- Designed for up to 40 Hp @ 1750 RPM
- Used with A, B, 3V & 5V belts

Note: Every turn of the adjustment screw moves the flange by 1/16”.

How to order:
Example: **MVS150X1-3/8**
MVS150 X 1-3/8
MVS150: Adjustable pitch sheave size
Last three digits represent the outside diameter in mm. 150mm = 5.905”
1-3/8: Adjustable bore size (1-3/8”)
Inch bore sizes are designated with the whole inch followed by the fraction. For example, a 1.5” diameter bore would be 1-1/2”.

Pulley adjustment
Modify the sheave pitch diameter by using the adjustment screw. Every turn of the adjustment screw moves the flanges by 1/16”. Once the required diameter is obtained, tighten the locking screw.



Heavy duty adjustable pitch MVS sheaves

Dimensions

Part number	Cross reference	O.D.	Dimensions						Stock bore part numbers					Weight (lbs.)
			F max.	F min.	E max.	E min.	L	H	1-1/8	1-3/8	1-5/8	1-7/8	2-1/8	
MVS130	JVS 130	5.118	1.73	2.27	0.75	1.02	3.77	3.15	MVS130X1-1/8	MVS130X1-3/8	-	-	-	8.5
MVS150	JVS 150	5.905	1.73	2.59	0.77	1.20	4.13	3.62	MVS150X1-1/8	MVS150X1-3/8	MVS150X1-5/8	-	-	12.1
MVS170	JVS 170	6.692	1.73	2.59	0.77	1.20	4.13	3.62	MVS170X1-1/8	MVS170X1-3/8	MVS170X1-5/8	-	-	14.8
MVS190	JVS 190	7.480	1.73	2.59	0.77	1.20	4.13	5.12	-	MVS190X1-3/8	MVS190X1-5/8	MVS190X1-7/8	-	23.2
MVS210	JVS 210	8.268	1.73	2.59	0.77	1.20	4.13	5.12	-	MVS210X1-3/8	MVS210X1-5/8	MVS210X1-7/8	MVS210X2-1/8	27.0
MVS230	JVS 230	9.055	1.73	2.59	0.77	1.20	4.13	5.12	-	MVS230X1-3/8	MVS230X1-5/8	MVS230X1-7/8	MVS230X2-1/8	30.4

Datum diameters

	Part number	Minimum	Maximum	Datum diameter, inches							
				0 turn close	1 turn open	2 turns open	3 turns open	4 turns open	5 turns open	6 turns open	7 turns open
A belt	MVS130	3.45	4.47	4.47	4.26	4.06	3.85	3.65	3.45	-	-
	MVS150	4.23	5.25	5.25	5.05	4.85	4.64	4.44	4.23	-	-
	MVS170	4.81	6.04	6.04	5.84	5.63	5.43	5.22	5.02	4.81	-
	MVS190	5.60	6.83	6.83	6.62	6.42	6.21	6.01	5.81	5.60	-
	MVS210	6.40	7.63	7.63	7.43	7.22	7.02	6.81	6.61	6.40	-
	MVS230	7.19	8.42	8.42	8.21	8.01	7.81	7.60	7.40	7.19	-
B belt	MVS130	3.63	4.86	4.86	4.65	4.45	4.24	4.04	3.84	3.63	-
	MVS150	4.21	5.65	5.65	5.44	5.24	5.03	4.83	4.62	4.42	4.21
	MVS170	5.00	6.43	6.43	6.23	6.02	5.82	5.61	5.41	5.21	5.00
	MVS190	5.79	7.22	7.22	7.01	6.81	6.60	6.40	6.20	5.99	5.79
	MVS210	6.59	8.02	8.02	7.82	7.61	7.41	7.20	7.00	6.80	6.59
	MVS230	7.38	8.81	8.81	8.61	8.40	8.20	7.99	7.79	7.58	7.38
3V belt	MVS130	3.56	4.17	4.17	3.97	3.77	3.56	-	-	-	-
	MVS150	4.35	4.96	4.96	4.76	4.55	4.35	-	-	-	-
	MVS170	5.13	5.75	5.75	5.54	5.34	5.13	-	-	-	-
	MVS190	5.92	6.53	6.53	6.33	6.13	5.92	-	-	-	-
	MVS210	6.73	7.34	7.34	7.13	6.93	6.73	-	-	-	-
	MVS230	7.51	8.13	8.13	7.92	7.72	7.51	-	-	-	-
5V belt	MVS130	-	-	-	-	-	-	-	-	-	-
	MVS150*	4.31	5.74	5.74	5.54	5.33	5.13	4.93	4.72	4.52	4.31
	MVS170*	5.10	6.53	6.53	6.33	6.12	5.92	5.71	5.51	5.30	5.10
	MVS190	5.88	7.32	7.32	7.11	6.91	6,7	6.50	6.29	6.09	5.88
	MVS210	6.69	8.12	8.12	7.92	7.71	7.51	7.30	7.10	6.89	6.69
	MVS230	7.48	8.91	8.91	8.70	8.50	8.29	8.09	7.89	7.68	7.48

* Important: Recommended for use with narrow cog belts only.
P.D. for “A” belt = Datum dia. “A” belt + .25
P.D. for “B” belt= Datum dia. “B” belt + .35
P.D. for “3V” belts = Datum dia. “3V” belts + .05
P.D. for “5V” belts = Datum dia. “5V” belts + .10

Split taper sheaves

Features:
- Used with conventional A, B and 5V belts
- Available in 1 to 6 grooves
- B bushing used with the majority of B5V sheaves, bores 1/2 to 2-7/16
- Popular in HVAC, wood processing industry, bulk material handling and package material handling

Note: The type of sheave construction is indicated in the column entitled type. The number refers to the drawing and the letter as follows: A = Arms; B = Block; W = Web.

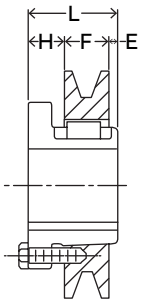
Split taper sheave nomenclature:
Example: **2B5V54**

2B5V	**54**
2:	**Number of grooves**
B5V:	**Belt profile**
54:	**Datum diameter for B belts** (5.4”)

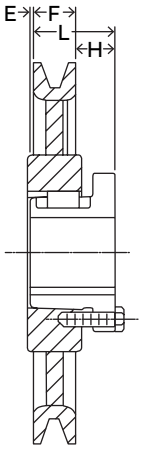
Split taper sheaves

1 groove

Part number	Description	OD	Diameter			H	Type	Bushing	L	E	F	Weight (lbs.)
			Datum A belts	Datum B belts	Pitch 5V belts							
469000	1B34	3.75	3	3.4	-	1-1/16	2B	P1	1-15/16	1/8	1	2
469001	1B36	3.95	3.2	3.6	-	1-1/16	2B	P1	1-15/16	1/8	1	2.3
469002	1B38	4.15	3.4	3.8	-	1-1/16	2B	P1	1-15/16	1/8	1	2.6
469003	1B40	4.35	3.6	4	-	5/8	10B	P1	1-15/16	5/16	1	2.1
469004	1B5V42	4.48	3.8	4.2	4.5	5/8	1B	P1	1-15/16	5/16	1	2.5
469005	1B5V44	4.68	4	4.4	4.5	5/8	1B	P1	1-15/16	5/16	1	2.8
469006	1B5V46	4.88	4.2	4.6	4.7	3/4	1B	B	1-15/16	3/16	1	2.5
469007	1B5V48	5.08	4.4	4.8	4.9	3/4	1B	B	1-15/16	3/16	1	2.9
469008	1B5V50	5.28	4.6	5	5.1	3/4	1B	B	1-15/16	3/16	1	3.3
469009	1B5V52	5.48	4.8	5.2	5.3	3/4	1B	B	1-15/16	3/16	1	3.7
469010	1B5V54	5.68	5	5.4	5.5	3/4	1B	B	1-15/16	3/16	1	4.1
469011	1B5V56	5.88	5.2	5.6	5.7	3/4	1B	B	1-15/16	3/16	1	4.5
469012	1B5V58	6.08	5.4	5.8	5.9	3/4	1B	B	1-15/16	3/16	1	5
469013	1B5V60	6.28	5.6	6	6.1	3/4	1B	B	1-15/16	3/16	1	5.4
469014	1B5V62	6.48	5.8	6.2	6.3	3/4	1B	B	1-15/16	3/16	1	5.3
469015	1B5V64	6.68	6	6.4	6.5	3/4	1B	B	1-15/16	3/16	1	5.6
469016	1B5V66	6.88	6.2	6.6	6.7	3/4	1B	B	1-15/16	3/16	1	6
469017	1B5V68	7.08	6.4	6.8	6.9	3/4	1B	B	1-15/16	3/16	1	6.4
469018	1B5V70	7.28	6.6	7	7.1	3/4	1B	B	1-15/16	3/16	1	6.8
469019	1B5V74	7.68	7	7.4	7.5	3/4	1B	B	1-15/16	3/16	1	7.7
469020	1B5V80	8.28	7.6	8	8.1	7/8	1W	B	1-15/16	3/16	1	7.5
469021	1B5V86	8.88	8.2	8.6	8.7	7/8	2A	B	1-15/16	3/16	1	7.9
469022	1B5V90	9.28	8.6	9	9.1	7/8	2A	B	1-15/16	3/16	1	8.2
469023	1B5V94	9.68	9	9.4	9.5	7/8	2A	B	1-15/16	3/16	1	8.5
469024	1B5V110	11.28	10.6	11	11.1	7/8	2A	B	1-15/16	3/16	1	10.3
469025	1B5V124	12.68	12	12.4	12.5	7/8	2A	B	1-15/16	3/16	1	11.5
469026	1B5V136	13.88	13.2	13.6	13.7	7/8	2A	B	1-15/16	3/16	1	13.3
469027	1B5V154	15.68	15	15.4	15.5	7/8	2A	B	1-15/16	3/16	1	15.5
469028	1B5V160	16.28	15.6	16	16.1	7/8	2A	B	1-15/16	3/16	1	16.6
469029	1B5V184	18.68	18	18.4	18.5	7/8	2A	B	1-15/16	3/16	1	20
469030	1B5V200	20.28	19.5	20	20.1	7/8	2A	B	1-15/16	3/16	1	21.8
469031	1B5V234	23.68	22.9	23.4	23.5	7/8	2A	B	1-15/16	3/16	1	28.2
469032	1B5V250	25.28	24.5	25	25.1	7/8	2A	B	1-15/16	3/16	1	31.4
469033	1B5V278	28.08	27.3	27.8	27.9	7/8	2A	B	1-15/16	3/16	1	36.5
469034	1B5V300	30.35	29.67	30.07	30.17	1-1/8	2A	Q1	2-1/8	3/8	1	56



Type 1

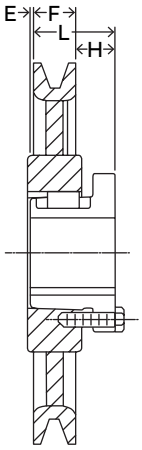


Type 2

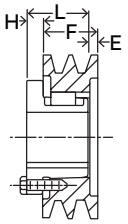
Split taper sheaves

2 grooves

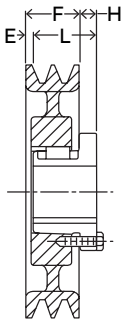
Part number	Description	OD	Diameter			H	Type	Bushing	L	E	F	Weight (lbs.)
			Datum A belts	Datum B belts	Pitch 5V belts							
469035	2B34	3.75	3	3.4	-	1-1/16	2B	P1	1-15/16	7/8	1-3/4	2.9
469036	2B36	3.95	3.2	3.6	-	1-1/16	2B	P1	1-15/16	7/8	1-3/4	3.8
469037	2B38	4.15	3.4	3.8	-	5/8	5B	P1	1-15/16	7/16	1-3/4	3
469038	2B40	4.35	3.6	4	-	5/8	5B	P1	1-15/16	7/16	1-3/4	3.8
469039	2B5V42	4.48	3.8	4.2	4.3	5/8	5B	P1	1-15/16	13/32	1-23/32	3.7
469040	2B5V44	4.68	4	4.4	4.5	7/32	3B	P1	1-15/16	0	1-23/32	4.1
469041	2B5V46	4.88	4.2	4.6	4.7	33/64	3B	B	1-15/16	0	1-23/32	3.3
469042	2B5V48	5.08	4.4	4.8	4.9	33/64	3B	B	1-15/16	11/64	1-23/32	3.9
469043	2B5V50	5.28	4.6	5	5.1	33/64	3B	B	1-15/16	11/64	1-23/32	4.6
469044	2B5V52	5.48	4.8	5.2	5.3	33/64	3B	B	1-15/16	11/64	1-23/32	5.3
469045	2B5V54	5.68	5	5.4	5.5	33/64	3B	B	1-15/16	11/64	1-23/32	6
469046	2B5V56	5.88	5.2	5.6	5.7	33/64	3B	B	1-15/16	11/64	1-23/32	6.7
469047	2B5V58	6.08	5.4	5.8	5.9	33/64	3B	B	1-15/16	11/64	1-23/32	7.4
469048	2B5V60	6.28	5.6	6	6.1	33/64	3B	B	1-15/16	11/64	1-23/32	8.2
469049	2B5V62	6.48	5.8	6.2	6.3	33/64	3B	B	1-15/16	11/64	1-23/32	9.2
469050	2B5V64	6.68	6	6.4	6.5	33/64	3B	B	1-15/16	11/64	1-23/32	8.4
469051	2B5V66	6.88	6.2	6.6	6.7	33/64	3B	B	1-15/16	11/64	1-23/32	11.4
469052	2B5V68	7.08	6.4	6.8	6.9	33/64	3B	B	1-15/16	11/64	1-23/32	10.2
469053	2B5V70	7.28	6.6	7	7.1	33/64	3B	B	1-15/16	11/64	1-23/32	12.3
469054	2B5V74	7.68	7	7.4	7.5	33/64	3B	B	1-15/16	11/64	1-23/32	14.2
469055	2B5V78	8.00	7.32	7.72	7.82	0.78	3B	Q1	2.5	0	1.72	12.8
469056	2B5V80	8.28	7.6	8	8.1	33/64	4W	B	1-15/16	11/64	1-23/32	11.3
469057	2B5V83	8.5	7.82	8.22	8.32	0.76	3W	Q1	2.5	0.02	1.72	14.13
469058	2B5V86	8.88	8.2	8.6	8.7	33/64	4W	B	1-15/16	11/64	1-23/32	10.6
469059	2B5V88	9	8.32	8.72	8.82	0.75	4W	Q1	2.5	0	1.72	15.27
469060	2B5V90	9.28	8.6	9	9.1	33/64	4A	B	1-15/16	11/64	1-23/32	11.1
469061	2B5V94	9.68	9	9.4	9.5	33/64	4A	B	1-15/16	11/64	1-23/32	11.6
469062	2B5V101	10.3	9.62	10.02	10.12	0.75	4W	Q1	2.5	0	1.72	18.53
469063	2B5V107	10.9	10.22	10.62	10.72	0.75	2A	Q1	2.5	0.016	1.72	19
469064	2B5V110	11.28	10.6	11	11.1	33/64	4A	B	1-15/16	11/64	1-23/32	14.4
469065	2B5V116	11.8	11.12	11.52	11.62	0.75	2A	Q1	2.5	0.016	1.72	19.5
469066	2B5V124	12.68	12	12.4	12.5	33/64	4A	B	1-15/16	11/64	1-23/32	17.1
469067	2B5V133	13.2	12.52	12.92	13.02	0.75	2A	Q1	2.5	0.016	1.72	21.3
469068	2B5V136	13.88	13.2	13.6	13.7	33/64	4A	B	1-15/16	11/64	1-23/32	19.3
469069	2B5V138	14	13.32	13.72	13.82	1.016	2A	R1	2.875	0.141	1.72	23.8
469070	2B5V148	15	14.32	14.72	14.82	1.016	2W	R1	2.875	0.141	1.72	34.13
469071	2B5V154	15.68	15	15.4	15.5	33/64	4A	B	1-15/16	11/64	1-23/32	23.2
469072	2B5V158	16	15.32	15.72	15.82	1.016	2A	R1	2.875	0.141	1.72	30.23
469073	2B5V160	16.28	15.6	16	16.1	33/64	4A	B	1-15/16	11/64	1-23/32	24.2
469074	2B5V184	18.68	18	18.4	18.5	33/64	4A	B	1-15/16	11/64	1-23/32	33.2
469075	2B5V200	20.28	19.5	20	20.1	33/64	4A	B	1-15/16	11/64	1-23/32	34.8
469076	2B5V211	21.2	20.52	20.92	21.02	0.875	2A	R1	2.875	0.141	1.72	44.46
469077	2B5V234	23.68	22.9	23.4	23.5	33/64	4A	B	1-15/16	11/64	1-23/32	37.9
469078	2B5V250	25.28	24.5	25	25.1	33/64	4A	B	1-15/16	11/64	1-23/32	47
469079	2B5V278	28.08	27.3	27.8	27.9	33/64	4A	B	1-15/16	11/64	1-23/32	55.9
469080	2B5V300	30.35	29.67	30.07	30.17	0.75	2A	Q1	2.5	0.016	1.72	75.1



Type 2



Type 3

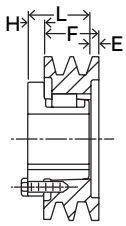


Type 4

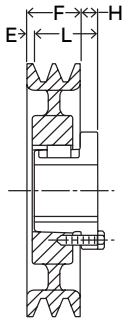
Split taper sheaves

3 grooves

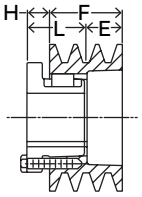
Part number	Description	OD	Diameter			H	Type	Bushing	L	E	F	Weight (lbs.)
			Datum A belts	Datum B belts	Pitch 5V belts							
469081	3B34	3.75	3	3.4	-	1.0625	3B	P2	2.9375	0.625	2.5	3.8
469082	3B36	3.95	3.2	3.6	-	1.0625	3B	P2	2.9375	0.625	2.5	4.4
469083	3B38	4.15	3.4	3.8	-	0.625	5B	P1	1.9375	1.1875	2.5	3.8
469084	3B40	4.35	3.6	4	-	0.625	5B	P1	1.9375	1.1875	2.5	4.5
469085	3B5V42	4.48	3.8	4.2	4.3	5/8	5B	P1	1-15/16	1-1/8	2-7/16	4.8
469086	3B5V44	4.68	4	4.4	4.5	1/32	5B	P1	1-15/16	17/32	2-7/16	5.2
469087	3B5V46	4.88	4.2	4.6	4.7	3/4	5B	B	1-15/16	1-3/16	2-7/16	4.9
469088	3B5V48	5.08	4.4	4.8	4.9	3/4	5B	B	1-15/16	1-3/16	2-7/16	5.5
469089	3B5V50	5.28	4.6	5	5.1	3/4	5B	B	1-15/16	1-3/16	2-7/16	6.1
469090	3B5V52	5.48	4.8	5.2	5.3	3/4	5B	B	1-15/16	1-3/16	2-7/16	6.7
469091	3B5V54	5.68	5	5.4	5.5	5/32	3B	B	1-15/16	19/32	2-7/16	7.4
469092	3B5V56	5.88	5.2	5.6	5.7	5/32	3B	B	1-15/16	17/32	2-7/16	8.4
469093	3B5V58	6.08	5.4	5.8	5.9	5/32	3B	B	1-15/16	17/32	2-7/16	9.5
469094	3B5V60	6.28	5.6	6	6.1	5/32	3B	B	1-15/16	17/32	2-7/16	10.6
469095	3B5V62	6.48	5.8	6.2	6.3	5/32	3B	B	1-15/16	17/32	2-7/16	9.8
469096	3B5V64	6.68	6	6.4	6.5	5/32	3B	B	1-15/16	17/32	2-7/16	10.5
469097	3B5V66	6.88	6.2	6.6	6.7	5/32	3B	B	1-15/16	17/32	2-7/16	10.4
469098	3B5V68	7.08	6.4	6.8	6.9	5/32	3B	B	1-15/16	17/32	2-7/16	10.9
469099	3B5V70	7.28	6.6	7	7.1	5/32	3B	B	1-15/16	17/32	2-7/16	11.5
469100	3B5V74	7.68	7	7.4	7.5	5/32	3B	B	1-15/16	17/32	2-7/16	12.6
469101	3B5V78	8	7.32	7.72	7.82	0.656	3B	R1	2.875	0.219	2.4375	14.4
469102	3B5V80	8.28	7.6	8	8.1	5/32	4W	B	1-15/16	17/32	2-7/16	14.2
469103	3B5V83	8.5	7.82	8.22	8.32	0.435	3B	R1	2.875	0	2.4375	17
469104	3B5V86	8.88	8.2	8.6	8.7	5/32	4W	B	1-15/16	17/32	2-7/16	13.7
469105	3B5V88	9	8.32	8.72	8.82	0.435	3B	R1	2.875	0	2.4375	19.8
469106	3B5V90	9.28	8.6	9	9.1	5/32	4A	B	1-15/16	17/32	2-7/16	14.5
469107	3B5V94	9.68	9	9.4	9.5	5/32	4A	B	1-15/16	17/32	2-7/16	17
469108	3B5V101	10.3	9.62	10.02	10.12	0.655	4W	R1	2.875	0.22	2.4375	22.67
469109	3B5V107	10.9	10.22	10.62	10.72	0.655	4W	R1	2.875	0.22	2.4375	24.49
469110	3B5V110	11.28	10.6	11	11.1	5/32	4A	B	1-15/16	17/32	2-7/16	19.8
469111	3B5V116	11.8	11.12	11.52	11.62	0.655	4W	R1	2.875	0.22	2.4375	27.37
469112	3B5V124	12.68	12	12.4	12.5	5/32	4A	B	1-15/16	17/32	2-7/16	22.1
469113	3B5V133	13.2	12.52	12.92	13.02	0.655	4A	R1	2.875	0.22	2.4375	28.4
469114	3B5V136	13.88	13.2	13.6	13.7	5/32	4A	B	1-15/16	17/32	2-7/16	24.9
469115	3B5V138	14	13.32	13.72	13.82	0.655	4W	R1	2.875	0.22	2.4375	35.14
469116	3B5V148	15	14.32	14.72	14.82	0.655	4W	R1	2.875	0.22	2.4375	38.95
469117	3B5V154	15.68	15	15.4	15.5	5/32	4A	B	1-15/16	17/32	2-7/16	30.4
469118	3B5V158	16	15.32	15.72	15.82	0.655	4A	R1	2.875	0.22	2.4375	37.84
469119	3B5V160	16.28	15.6	16	16.1	5/32	4A	B	1-15/16	17/32	2-7/16	31.7
469120	3B5V184	18.68	18	18.4	18.5	5/32	4A	B	1-15/16	17/32	2-7/16	40.9
469121	3B5V200	20.28	19.5	20	20.1	5/32	4A	B	1-15/16	17/32	2-7/16	47.6
469122	3B5V211	21.2	20.52	20.92	21.02	0.655	4A	R1	2.875	0.22	2.4375	56.72
469123	3B5V234	23.68	22.9	23.4	23.5	5/32	4A	B	1-15/16	17/32	2-7/16	61.5
469124	3B5V250	25.28	24.5	25	25.1	5/32	4A	B	1-15/16	17/32	2-7/16	66.6
469125	3B5V278	28.08	27.3	27.8	27.9	5/32	4A	B	1-15/16	17/32	2-7/16	79.1
469126	3B5V300	30.35	29.67	30.07	30.17	0.4	4A	Q1	2.5	0.35	2.4375	99.62



Type 3



Type 4

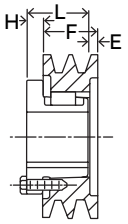


Type 5

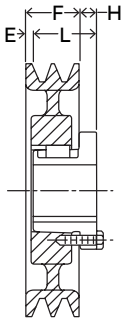
Split taper sheaves

4 grooves

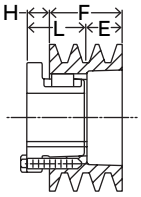
Part number	Description	OD	Diameter			H	Type	Bushing	L	E	F	Weight (lbs.)
			Datum A belts	Datum B belts	Pitch 5V belts							
469127	4B34	3.75	3	3.4		1.1875	3B	P2	2.9375	1.375	3.25	4.5
469128	4B36	3.95	3.2	3.6		1.1875	3B	P2	2.9375	1.375	3.25	5.3
469129	4B38	4.15	3.4	3.8		0.625	5B	P1	1.9375	1.9375	3.25	4.8
469130	4B40	4.35	3.6	4		0.625	5B	P1	1.9375	1.9375	3.25	5.5
469131	4B5V42	4.48	3.8	4.2	4.3	5/8	5B	P1	1-15/16	-	3-5/32	5.9
469132	4B5V44	4.68	4.0	4.4	4.5	3/64	5B	P1	1-15/16	-	3-5/32	6.3
469133	4B5V46	4.88	4.2	4.6	4.7	3/4	5B	B	1-15/16	-	3-5/32	6.1
469134	4B5V48	5.08	4.4	4.8	4.9	3/4	5B	B	1-15/16	-	3-5/32	6.7
469135	4B5V50	5.28	4.6	5.0	5.1	3/4	5B	B	1-15/16	-	3-5/32	7.4
469136	4B5V52	5.48	4.8	5.2	5.3	3/4	5B	B	1-15/16	-	3-5/32	8.0
469137	4B5V54	5.68	5.0	5.4	5.5	-	3B	B	1-15/16	61/64	3-5/32	8.9
469138	4B5V56	5.88	5.2	5.6	5.7	-	3B	B	1-15/16	57/64	3-5/32	9.5
469139	4B5V58	6.08	5.4	5.8	5.9	-	3B	B	1-15/16	57/64	3-5/32	10.3
469140	4B5V60	6.28	5.6	6.0	6.1	-	3B	B	1-15/16	57/64	3-5/32	11.0
469141	4B5V62	6.48	5.8	6.2	6.3	-	3B	B	1-15/16	57/64	3-5/32	11.3
469142	4B5V64	6.68	6.0	6.4	6.5	-	3B	B	1-15/16	57/64	3-5/32	12.1
469143	4B5V66	6.88	6.2	6.6	6.7	-	3B	B	1-15/16	57/64	3-5/32	12.0
469144	4B5V68	7.08	6.4	6.8	6.9	-	3B	B	1-15/16	57/64	3-5/32	12.6
469145	4B5V70	7.28	6.6	7.0	7.1	-	3B	B	1-15/16	57/64	3-5/32	13.2
469146	4B5V74	7.68	7.0	7.4	7.5	-	3B	B	1-15/16	57/64	3-5/32	14.5
469147	4B5V78	8	7.32	7.72	7.82	-0.285	5B	R1	2.875	0	3.16	18.96
469148	4B5V80	8.28	7.6	8.0	8.1	-	3B	B	1-15/16	57/64	3-5/32	15.2
469149	4B5V83	8.5	7.82	8.22	8.32	-0.285	5B	R1	2.875	0	3.16	22.26
469150	4B5V86	8.88	8.2	8.6	8.7	-	3B	B	1-15/16	57/64	3-5/32	16.6
469151	4B5V88	9	8.32	8.72	8.82	-0.285	5B	R1	2.875	0	3.16	25.82
469152	4B5V90	9.28	8.6	9.0	9.1	-	4W	B	1-15/16	57/64	3-5/32	17.6
469153	4B5V94	9.68	9.0	9.4	9.5	-	4W	B	1-15/16	57/64	3-5/32	20.0
469154	4B5V101	10.3	9.62	10.02	10.12	0.295	4W	R1	2.875	0.58	3.16	26.19
469155	4B5V107	10.9	10.22	10.62	10.72	0.295	4W	R1	2.875	0.58	3.16	28.13
469156	4B5V110	11.28	10.6	11.0	11.1	-	4A	B	1-15/16	57/64	3-5/32	22.8
469157	4B5V116	11.8	11.12	11.52	11.62	0.295	4W	R1	2.875	0.58	3.16	31.78
469158	4B5V124	12.68	12.0	12.4	12.5	-	4A	B	1-15/16	57/64	3-5/32	26.5
469159	4B5V133	13.2	12.52	12.92	13.02	0.295	4W	R1	2.875	0.58	3.16	37.49
469160	4B5V136	13.88	13.2	13.6	13.7	-	4A	B	1-15/16	57/64	3-5/32	30.7
469161	4B5V138	14	13.32	13.72	13.82	0.295	4W	R1	2.875	0.58	3.16	40.87
469162	4B5V148	15	14.32	14.72	14.82	0.295	4W	R1	2.875	0.58	3.16	45.53
469163	4B5V154	15.68	15.0	15.4	15.5	-	4A	B	1-15/16	57/64	3-5/32	37.9
469164	4B5V158	16	15.32	15.72	15.82	0.295	4A	R1	2.875	0.58	3.16	45.18
469165	4B5V160	16.28	15.6	16.0	16.1	-	4A	B	1-15/16	57/64	3-5/32	40.5
469166	4B5V184	18.68	18.0	18.4	18.5	-	4A	B	1-15/16	57/64	3-5/32	50.7
469167	4B5V200	20.28	19.5	20.0	20.1	-	4A	B	1-15/16	57/64	3-5/32	58.5
469168	4B5V211	21.2	20.52	20.92	21.02	0.295	4A	R1	2.875	0.58	3.16	68.64
469169	4B5V234	23.68	23	23.4	23.5	-0.268	4A	B	1.938	0.954	3.16	73.4
469170	4B5V250	25.28	24.5	25.0	25.1	-	4A	B	1-15/16	57/64	3-5/32	83.8
469171	4B5V278	28.08	27.3	27.8	27.9	-	4A	B	1-15/16	57/64	3-5/32	94.3
469172	4B5V300	30.35	29.67	30.07	30.17	0.04	4A	Q1	2.5	0.7	3.16	121.74



Type 3



Type 4

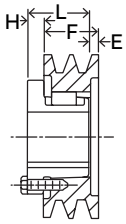


Type 5

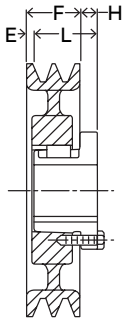
Split taper sheaves

5 grooves

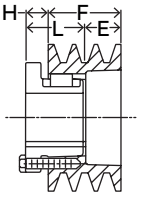
Part number	Description	OD	Diameter			H	Type	Bushing	L	E	F	Weight (lbs.)
			Datum A belts	Datum B belts	Pitch 5V belts							
469173	5B34	3.75	3	3.4	-	1.0625	3B	P2	2.938	2.125	4	5.3
469174	5B36	3.95	3.2	3.6	-	1.0625	3B	P2	2.938	2.125	4	6.1
469175	5B38	4.15	3.4	3.8	-	0.625	3B	P2	2.938	1.6875	4	6.1
469176	5B40	4.35	3.6	4	-	0.625	5B	P2	2.938	1.688	4	7
469177	5B5V42	4.48	3.8	4.2	4.3	0.625	5B	P2	2.938	1.562	3.875	7.5
469178	5B5V44	4.68	4	4.4	4.5	0.046875	5B	P2	2.938	0.983875	3.875	8.3
469179	5B5V46	4.88	4.2	4.6	4.7	0.75	5B	P2	2.938	1.687	3.875	9.2
469180	5B5V48	5.08	4.4	4.8	4.9	0.75	5B	P2	2.938	1.687	3.875	10.2
469181	5B5V50	5.28	4.6	5	5.1	0.75	5B	Q1	2.5	2.125	3.875	8.7
469182	5B5V52	5.48	4.8	5.2	5.3	0.75	5B	Q1	2.5	2.125	3.875	9.5
469183	5B5V54	5.68	5	5.4	5.5	0.75	5B	Q1	2.5	2.125	3.875	10.4
469184	5B5V56	5.88	5.2	5.6	5.7	0.75	5B	Q1	2.5	2.125	3.875	11.3
469185	5B5V58	6.08	5.4	5.8	5.9	0.75	5B	Q1	2.5	2.125	3.875	12.3
469186	5B5V60	6.28	5.6	6	6.1	0.125	3B	Q1	2.5	1.5	3.875	13.3
469187	5B5V62	6.48	5.8	6.2	6.3	0.125	3B	Q1	2.5	1.5	3.875	14.3
469188	5B5V64	6.68	6	6.4	6.5	0.125	3B	Q1	2.5	1.5	3.875	15.3
469189	5B5V66	6.88	6.2	6.6	6.7	0.125	3B	Q1	2.5	1.5	3.875	16.4
469190	5B5V68	7.08	6.4	6.8	6.9	0.125	3B	Q1	2.5	1.5	3.875	17.5
469191	5B5V70	7.28	6.6	7	7.1	0.093	3B	Q2	3.5	0.468	3.875	22.8
469192	5B5V74	7.68	7	7.4	7.5	0.093	3B	Q2	3.5	0.468	3.875	26
469193	5B5V78	8	7.32	7.72	7.82	-0.063	3B	R1	2.875	0.938	3.875	21.2
469194	5B5V80	8.28	7.6	8	8.1	0	3B	R1	2.875	1	3.875	23.1
469195	5B5V83	8.5	7.82	8.22	8.32	0	3B	R1	2.875	1	3.875	24.76
469196	5B5V86	8.88	8.2	8.6	8.7	0	3B	R1	2.875	1	3.875	27.5
469197	5B5V88	9	8.32	8.72	8.82	-0.0625	3B	R1	2.875	0.9375	3.875	28.4
469198	5B5V90	9.28	8.6	9	9.1	0	3B	R1	2.875	1	3.875	30.6
469199	5B5V94	9.68	9	9.4	9.5	0	3B	R1	2.875	1	3.875	27.5
469200	5B5V101	10.3	9.62	10.02	10.12	-0.0625	4W	R1	2.875	0.9375	3.875	30.1
469201	5B5V107	10.9	10.22	10.62	10.72	-0.0625	4W	R1	2.875	0.9375	3.875	32.7
469202	5B5V110	11.28	10.6	11	11.1	-0.0625	4W	R1	2.875	0.9375	3.875	34.4
469203	5B5V116	11.8	11.12	11.52	11.62	-0.0625	4W	R1	2.875	0.9375	3.875	36.8
469204	5B5V124	12.68	12	12.4	12.5	-0.0625	4W	R1	2.875	0.9375	3.875	41.1
469205	5B5V133	13.2	12.52	12.92	13.02	-0.06	4A	R1	2.875	0.9375	3.875	39.67
469206	5B5V136	13.88	13.2	13.6	13.7	-0.06	4W	R1	2.875	0.9375	3.875	47.33
469207	5B5V138	14	13.32	13.72	13.82	-0.06	4W	R1	2.875	0.9375	3.875	48.13
469208	5B5V148	15	14.32	14.72	14.82	-0.06	4W	R1	2.875	0.9375	3.875	53.5
469209	5B5V154	15.68	15	15.4	15.5	-0.06	4A	R1	2.875	0.9375	3.875	50.97
469210	5B5V158	16	15.32	15.72	15.82	-0.06	4A	R1	2.875	0.9375	3.875	52.42
469211	5B5V160	16.28	15.6	16	16.1	-0.06	4A	R1	2.875	0.9375	3.875	53.8
469212	5B5V184	18.68	18	18.4	18.5	-0.06	4A	R1	2.875	0.9375	3.875	66.21
469213	5B5V200	20.28	19.6	20	20.1	-0.063	4A	R1	2.875	0.9375	3.875	70.1
469214	5B5V211	21.2	20.52	20.92	21.02	0.78	4A	S1	4.375	0.285	3.875	95.31
469215	5B5V250	25.28	24.6	25	25.1	-0.063	4A	R1	2.875	0.9375	3.875	97.7
469216	5B5V278	28	27.32	27.72	27.82	0.78	4A	S1	4.375	0.285	3.875	137.09
469217	5B5V300	30.35	29.67	30.07	30.17	-0.06	4A	R1	2.875	0.9375	3.875	141.16



Type 3



Type 4

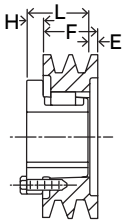


Type 5

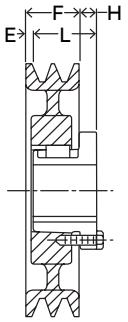
Split taper sheaves

6 grooves

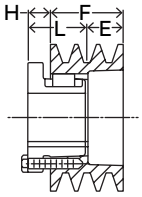
Part number	Description	OD	Diameter			H	Type	Bushing	L	E	F	Weight (lbs.)
			Datum A belts	Datum B belts	Pitch 5V belts							
469218	6B34	3.75	3	3.4	-	0.625	3B	P2	2.938	2.938	4.75	6.1
469219	6B36	3.95	3.2	3.6	-	0.625	3B	P2	2.938	2.938	4.75	7.3
469220	6B38	4.15	3.4	3.8	-	0.625	5B	P2	2.938	2.938	4.75	7
469221	6B40	4.35	3.6	4	-	0.625	5B	P2	2.938	2.438	4.75	8.1
469222	6B5V42	4.48	3.8	4.2	4.3	0.625	5B	P2	2.938	2.282	4.594	8.5
469223	6B5V44	4.68	4	4.4	4.5	0.625	5B	P2	2.938	2.282	4.594	9.5
469224	6B5V46	4.88	4.2	4.6	4.7	0.625	5B	P2	2.938	2.282	4.594	10.4
469225	6B5V48	5.08	4.4	4.8	4.9	0.625	5B	P2	2.938	2.282	4.594	11.4
469226	6B5V50	5.28	4.6	5	5.1	0.75	5B	Q2	3.5	1.844	4.594	10.7
469227	6B5V52	5.48	4.8	5.2	5.3	0.75	5B	Q2	3.5	1.844	4.594	11.9
469228	6B5V54	5.68	5	5.4	5.5	0.75	5B	Q2	3.5	1.844	4.594	13.2
469229	6B5V56	5.88	5.2	5.6	5.7	0.75	5B	Q2	3.5	1.844	4.594	30.2
469230	6B5V58	6.08	5.4	5.8	5.9	0	3B	Q1	2.5	2.094	4.594	13.9
469231	6B5V60	6.28	5.6	6	6.1	0	3B	Q1	2.5	2.094	4.594	30.5
469232	6B5V62	6.48	5.8	6.2	6.3	0	3B	Q1	2.5	2.094	4.594	16
469233	6B5V64	6.68	6	6.4	6.5	0	3B	Q1	2.5	2.094	4.594	17.1
469234	6B5V66	6.88	6.2	6.6	6.7	0	3B	Q1	2.5	2.094	4.594	18.3
469235	6B5V68	7.08	6.4	6.8	6.9	0	3B	Q1	2.5	2.094	4.594	20.4
469236	6B5V70	7.28	6.6	7	7.1	-0.266	3B	Q2	3.5	0.828	4.594	25.5
469237	6B5V74	7.68	7	7.4	7.5	-1.1	B	Q2	3.5	0	4.6	31.2
469238	6B5V78	8	7.32	7.72	7.82	-0.36	3B	R1	2.875	1.359	4.594	23.5
469239	6B5V80	8.28	7.6	8	8.1	-0.36	3B	R1	2.875	1.359	4.594	26.4
469240	6B5V83	8.5	7.82	8.22	8.32	-0.365	3B	R1	2.875	1.36	4.6	27.2
469241	6B5V86	8.88	8.2	8.6	8.7	-0.36	3B	R1	2.875	1.359	4.594	30.6
469242	6B5V88	9	8.32	8.72	8.82	-0.422	3B	R1	2.875	1.297	4.594	31.5
469243	6B5V90	9.28	8.6	9	9.1	-0.36	3B	R1	2.875	1.359	4.594	34
469244	6B5V94	9.68	9	9.4	9.5	-0.36	3B	R1	2.875	1.359	4.594	36.7
469245	6B5V101	10.3	9.62	10.02	10.12	-0.422	4W	R1	2.875	1.297	4.594	34.7
397037	6B5V107	10.9	10.22	10.62	10.72	-0.425	4W	R1	2.875	1.3	4.6	37.2
469247	6B5V110	11.28	10.6	11	11.1	-0.423	4W	R1	2.875	1.298	4.594	39.2
469248	6B5V116	11.8	11.12	11.52	11.62	-0.425	4W	R1	2.875	1.3	4.6	42.1
469249	6B5V124	12.68	12	12.4	12.5	-0.423	4W	R1	2.875	1.298	4.594	50.5
469250	6B5V133	13.2	12.52	12.92	13.02	0.415	4W	S1	4.375	0.64	4.6	66.2
469251	6B5V136	13.88	13.2	13.6	13.7	-0.425	4W	R1	2.875	1.3	4.6	54.6
469252	6B5V138	14	13.32	13.72	13.82	0.415	4W	S1	4.375	0.64	4.6	71.2
469253	6B5V148	15	14.32	14.72	14.82	0.415	4W	S1	4.375	0.64	4.6	77.8
469254	6B5V154	15.68	15	15.4	15.5	-0.425	4A	R1	2.875	1.3	4.6	54.6
469255	6B5V158	16	15.32	15.72	15.82	0.415	4A	S1	4.375	0.64	4.6	73.5
469256	6B5V160	16.28	15.6	16	16.1	-0.425	4A	R1	2.875	1.3	4.6	57.6
469257	6B5V184	18.68	18	18.4	18.5	-0.425	4A	R1	2.875	1.3	4.6	70.5
469258	6B5V200	20.28	19.6	20	20.1	-0.425	4A	R1	2.875	1.3	4.6	79.5
469259	6B5V211	21.2	20.52	20.92	21.02	0.415	4A	S1	4.375	0.64	4.6	101.2
469260	6B5V250	25.28	24.6	25	25.1	-0.422	4A	R1	2.875	1.297	4.594	118.8
397038	6B5V278	28	27.32	27.72	27.82	0.415	4A	S1	4.375	0.64	0.46	144.9
469262	6B5V300	30.35	29.67	30.07	30.17	-0.425	4A	R1	2.875	1.3	0.46	148



Type 3



Type 4



Type 5

Split taper sheaves

Interchange guide

1 groove

Datum A belts	Datum B belts	Pitch 5V belts	OD	Dodge ST sheaves			Competitor B5V sheaves		Competitor TB sheaves		Competitor 5V sheaves	
				Part number	Description	Bushing	Part number	Bushing	Part number	Bushing	Part number	Bushing
3"	3.4"	-	3.75"	469000	1B34	P1	-	-	1TB34	P1	-	-
3.2	3.6	-	3.95	469001	1B36	P1	-	-	1TB36	P1	-	-
3.4	3.8	-	4.15	469002	1B38	P1	-	-	1TB38	P1	-	-
3.6	4	-	4.35	469003	1B40	P1	-	-	1TB40	P1	-	-
3.8	4.2	4.3	4.48	469004	1B5V42	P1	1B5V42	P1	1TB42	P1	-	-
4	4.4	4.5	4.68	469005	1B5V44	P1	1B5V44	P1	1TB44	P1	-	-
4.2	4.6	4.7	4.88	469006	1B5V46	B	1B5V46	B	1TB46	P1	-	-
4.4	4.8	4.9	5.08	469007	1B5V48	B	1B5V48	B	1TB48	P1	-	-
4.6	5	5.1	5.28	469008	1B5V50	B	1B5V50	B	1TB50	P1	-	-
4.8	5.2	5.3	5.48	469009	1B5V52	B	1B5V52	B	1TB52	P1	-	-
5	5.4	5.5	5.68	469010	1B5V54	B	1B5V54	B	1TB54	P1	-	-
5.2	5.6	5.7	5.88	469011	1B5V56	B	1B5V56	B	1TB56	P1	-	-
5.4	5.8	5.9	6.08	469012	1B5V58	B	1B5V58	B	1TB58	P1	-	-
5.6	6	6.1	6.28	469013	1B5V60	B	1B5V60	B	1TB60	P1	-	-
5.8	6.2	6.3	6.48	469014	1B5V62	B	1B5V62	B	1TB62	P1	-	-
6	6.4	6.5	6.68	469015	1B5V64	B	1B5V64	B	1TB64	P1	-	-
6.2	6.6	6.7	6.88	469016	1B5V66	B	1B5V66	B	1TB66	P1	-	-
6.4	6.8	6.9	7.08	469017	1B5V68	B	1B5V68	B	1TB68	P1	-	-
6.6	7	7.1	7.28	469018	1B5V70	B	1B5V70	B	1TB70	P1	-	-
7	7.4	7.5	7.68	469019	1B5V74	B	1B5V74	B	1TB74	P1	-	-
7.6	8	8.1	8.28	469020	1B5V80	B	1B5V80	B	1TB80	P1	-	-
8.2	8.6	8.7	8.88	469021	1B5V86	B	1B5V86	B	1TB86	P1	-	-
8.6	9	9.1	9.28	469022	1B5V90	B	1B5V90	B	1TB90	P1	-	-
9	9.4	9.5	9.68	469023	1B5V94	B	1B5V94	B	1TB94	P1	-	-
10.6	11	11.1	11.28	469024	1B5V110	B	1B5V110	B	1TB110	P1	-	-
12	12.4	12.5	12.68	469025	1B5V124	B	1B5V124	B	1TB124	Q1	-	-
13.2	13.6	13.7	13.88	469026	1B5V136	B	1B5V136	B	1TB136	Q1	-	-
15	15.4	15.5	15.68	469027	1B5V154	B	1B5V154	B	1TB154	Q1	-	-
15.6	16	16.1	16.28	469028	1B5V160	B	1B5V160	B	1TB160	Q1	-	-
18	18.4	18.5	18.68	469029	1B5V184	B	1B5V184	B	1TB184	Q1	-	-
19.5	20	20.1	20.28	469030	1B5V200	B	1B5V200	B	1TB200	Q1	-	-
22.9	23.4	23.5	23.68	469031	1B5V234	B	1B5V234	B	-	-	-	-
24.5	25	25.1	25.28	469032	1B5V250	B	1B5V250	B	1TB250	Q1	-	-
27.3	27.8	27.9	28.08	469033	1B5V278	B	1B5V278	B	-	-	-	-
29.5	30	30.1	30.35	469034	1B5V300	Q1	-	-	1TB300	Q1	-	-

Split taper sheaves
Interchange guide

2 grooves

Datum A belts	Datum B belts	Pitch 5V belts	OD	Dodge ST sheaves			Competitor B5V sheaves		Competitor TB sheaves		Competitor 5V sheaves	
				Part number	Description	Bushing	Part number	Bushing	Part number	Bushing	Part number	Bushing
3"	3.4"	-	3.75"	469035	2B34	P1	-	-	2TB34	P1	-	-
3.2	3.6	-	3.95	469036	2B36	P1	-	-	2TB36	P1	-	-
3.4	3.8	-	4.15	469037	2B38	P1	-	-	2TB38	P1	-	-
3.6	4	-	4.35	469038	2B40	P1	-	-	2TB40	P1	-	-
3.8	4.2	4.3	4.48	469039	2B5V42	P1	2B5V42	P1	2TB42	P1	2P5V44	P1
4	4.4	4.5	4.68	469040	2B5V44	P1	2B5V44	P1	2TB44	P1	2Q5V46	Q1
4.2	4.6	4.7	4.88	469041	2B5V46	B	2B5V46	B	2TB46	P1	2Q5V49	Q1
4.4	4.8	4.9	5.08	469042	2B5V48	B	2B5V48	B	2TB48	P1	-	-
4.6	5	5.1	5.28	469043	2B5V50	B	2B5V50	B	2TB50	P1	2Q5V52	Q1
4.8	5.2	5.3	5.48	469044	2B5V52	B	2B5V52	B	2TB52	P1	2Q5V55	Q1
5	5.4	5.5	5.68	469045	2B5V54	B	2B5V54	B	2TB54	P1	-	-
5.2	5.6	5.7	5.88	469046	2B5V56	B	2B5V56	B	2TB56	P1	2Q5V59	Q1
5.4	5.8	5.9	6.08	469047	2B5V58	B	2B5V58	B	2TB58	P1	-	-
5.6	6	6.1	6.28	469048	2B5V60	B	2B5V60	B	2TB60	P1	2Q5V63	Q1
5.8	6.2	6.3	6.48	469049	2B5V62	B	2B5V62	B	2TB62	P1	-	-
6	6.4	6.5	6.68	469050	2B5V64	B	2B5V64	B	2TB64	P1	-	-
6.2	6.6	6.7	6.88	469051	2B5V66	B	2B5V66	B	2TB66	P1	2Q5V67	Q1
6.4	6.8	6.9	7.08	469052	2B5V68	B	2B5V68	B	2TB68	P1	2Q5V71	Q1
6.6	7	7.1	7.28	469053	2B5V70	B	2B5V70	B	2TB70	Q1	-	-
7	7.4	7.5	7.68	469054	2B5V74	B	2B5V74	B	2TB74	Q1	2Q5V75	Q1
7.4	7.8	7.9	8	469055	2B5V78	Q1	-	-	-	-	2Q5V80	Q1
7.6	8	8.1	8.28	469056	2B5V80	B	2B5V80	B	2TB80	Q1	-	-
7.9	8.3	8.4	8.5	469057	2B5V83	Q1	-	-	-	-	2Q5V85	Q1
8.2	8.6	8.7	8.88	469058	2B5V86	B	2B5V86	B	2TB86	Q1	-	-
8.4	8.8	8.9	9	469059	2B5V88	Q1	-	-	-	-	2Q5V90	Q1
8.6	9	9.1	9.28	469060	2B5V90	B	2B5V90	B	2TB90	Q1	2Q5V92	Q1
9	9.4	9.5	9.68	469061	2B5V94	B	2B5V94	B	2TB94	Q1	2Q5V97	Q1
9.7	10.1	10.2	10.3	469062	2B5V101	Q1	-	-	-	-	2Q5V103	Q1
10.3	10.7	10.8	10.9	469063	2B5V107	Q1	-	-	-	-	2Q5V109	Q1
10.6	11	11.1	11.28	469064	2B5V110	B	2B5V110	B	2TB110	Q1	-	-
11.2	11.6	11.7	11.8	469065	2B5V116	Q1	-	-	-	-	2Q5V118	Q1
12	12.4	12.5	12.68	469066	2B5V124	B	2B5V124	B	2TB124	Q1	2Q5V125	Q1
12.6	13	13.1	13.2	469067	2B5V133	Q1	-	-	-	-	2Q5V132	Q1
13.2	13.6	13.7	13.88	469068	2B5V136	B	2B5V136	B	2TB136	Q1	-	-
13.4	13.8	13.9	14	469069	2B5V138	R1	-	-	-	-	2R5V140	R1
14.4	14.8	14.9	15	469070	2B5V148	R1	-	-	-	-	2R5V150	R1
15	15.4	15.5	15.68	469071	2B5V154	B	2B5V154	B	2TB154	Q1	-	-
15.4	15.8	15.9	16	469072	2B5V158	R1	-	-	-	-	2R5V160	R1
15.6	16	16.1	16.28	469073	2B5V160	B	2B5V160	B	2TB160	Q1	-	-
18	18.4	18.5	18.68	469074	2B5V184	B	2B5V184	B	2TB184	Q1	-	-
19.5	20	20.1	20.28	469075	2B5V200	B	2B5V200	B	2TB200	Q1	-	-
20.6	21	21.1	21.2	469076	2B5V211	R1	-	-	-	-	2R5V212	R1
22.9	23.4	23.5	23.68	469077	2B5V234	B	2B5V234	B	-	-	-	-
24.5	25	25.1	25.28	469078	2B5V250	B	2B5V250	B	2TB250	Q1	-	-
27.3	27.8	27.9	28.08	469079	2B5V278	B	2B5V278	B	-	-	2R5V280	R1
29.5	30	30.1	30.35	469080	2B5V300	Q1	-	-	2TB300	Q1	-	-

Split taper sheaves

Interchange guide

3 grooves

Datum A belts	Datum B belts	Pitch 5V belts	OD	Dodge ST sheaves			Competitor B5V sheaves		Competitor TB sheaves		Competitor 5V sheaves	
				Part number	Description	Bushing	Part number	Bushing	Part number	Bushing	Part number	Bushing
3"	3.4"	-	3.75"	469081	3B34	P2	-	-	3TB34	P2	-	-
3.2	3.6	-	3.95	469082	3B36	P2	-	-	3TB36	P2	-	-
3.4	3.8	-	4.15	469083	3B38	P1	-	-	3TB38	P1	-	-
3.6	4	-	4.35	469084	3B40	P1	-	-	3TB40	P1	-	-
3.8	4.2	4.3	4.48	469085	3B5V42	P1	3B5V42	P1	3TB42	P1	3P5V44	P1
4	4.4	4.5	4.68	469086	3B5V44	P1	3B5V44	P1	3TB44	P1	3Q5V46	Q1
4.2	4.6	4.7	4.88	469087	3B5V46	B	3B5V46	B	3TB46	P1	-	-
4.4	4.8	4.9	5.08	469088	3B5V48	B	3B5V48	B	3TB48	P1	3Q5V49	Q1
4.6	5	5.1	5.28	469089	3B5V50	B	3B5V50	B	3TB50	P1	3Q5V52	Q1
4.8	5.2	5.3	5.48	469090	3B5V52	B	3B5V52	B	3TB52	P1	-	-
5	5.4	5.5	5.68	469091	3B5V54	B	3B5V54	B	3TB54	P1	3Q5V55	Q1
5.2	5.6	5.7	5.88	469092	3B5V56	B	3B5V56	B	3TB56	P1	-	-
5.4	5.8	5.9	6.08	469093	3B5V58	B	3B5V58	B	3TB58	P1	3Q5V59	Q1
5.6	6	6.1	6.28	469094	3B5V60	B	3B5V60	B	3TB60	P1	-	-
5.8	6.2	6.3	6.48	469095	3B5V62	B	3B5V62	B	3TB62	P1	3Q5V63	Q1
6	6.4	6.5	6.68	469096	3B5V64	B	3B5V64	B	3TB64	P1	-	-
6.2	6.6	6.7	6.88	469097	3B5V66	B	3B5V66	B	3TB66	P1	3Q5V67	Q1
6.4	6.8	6.9	7.08	469098	3B5V68	B	3B5V68	B	3TB68	P1	-	-
6.6	7	7.1	7.28	469099	3B5V70	B	3B5V70	B	3TB70	Q1	3Q5V71	Q1
7	7.4	7.5	7.68	469100	3B5V74	B	3B5V74	B	3TB74	Q1	3Q5V75	Q1
7.4	7.8	7.9	8	469101	3B5V78	R1	-	-	-	-	3R5V80	R1
7.6	8	8.1	8.28	469102	3B5V80	B	3B5V80	B	3TB80	Q1	-	-
7.9	8.3	8.4	8.5	469103	3B5V83	R1	-	-	-	-	3R5V85	R1
8.2	8.6	8.7	8.88	469104	3B5V86	B	3B5V86	B	3TB86	Q1	-	-
8.4	8.8	8.9	9	469105	3B5V88	R1	-	-	-	-	3R5V90	R1
8.6	9	9.1	9.28	469106	3B5V90	B	3B5V90	B	3TB90	Q1	3R5V92	R1
9	9.4	9.5	9.68	469107	3B5V94	B	3B5V94	B	3TB94	Q1	3R5V97	R1
9.7	10.1	10.2	10.3	469108	3B5V101	R1	-	-	-	-	3R5V103	R1
10.3	10.7	10.8	10.9	469109	3B5V107	R1	-	-	-	-	3R5V109	R1
10.6	11	11.1	11.28	469110	3B5V110	B	3B5V110	B	3TB110	Q1	-	-
11.2	11.6	11.7	11.8	469111	3B5V116	R1	-	-	-	-	3R5V118	R1
12	12.4	12.5	12.68	469112	3B5V124	B	3B5V124	B	3TB124	Q1	3R5V125	R1
12.6	13	13.1	13.2	469113	3B5V133	R1	-	-	-	-	3R5V132	R1
13.2	13.6	13.7	13.88	469114	3B5V136	B	3B5V136	B	3TB136	Q1	-	-
13.4	13.8	13.9	14	469115	3B5V138	R1	-	-	-	-	3R5V140	R1
14.4	14.8	14.9	15	469116	3B5V148	R1	-	-	-	-	3R5V150	R1
15	15.4	15.5	15.68	469117	3B5V15	B	3B5V154	B	3TB154	Q1	-	-
15.4	15.8	15.9	16	469118	3B5V158	R1	-	-	-	-	3R5V160	R1
15.6	16	16.1	16.28	469119	3B5V160	B	3B5V160	B	3TB160	Q1	-	
18	18.4	18.5	18.68	469120	3B5V184	B	3B5V184	B	3TB184	Q1	-	-
19.5	20	20.1	20.28	469121	3B5V200	B	3B5V200	B	3TB200	Q1	-	-
20.6	21	21.1	21.2	469122	3B5V211	R1	-	-	-	-	3R5V212	R1
22.9	23.4	23.5	23.68	469123	3B5V234	B	3B5V234	B	-	-	-	-
24.5	25	25.1	25.28	469124	3B5V250	B	3B5V250	B	3TB250	Q1	-	-
27.3	27.8	27.9	28.08	469125	3B5V278	B	3B5V278	B	-	-	3R5V280	R1
29.5	30	30.1	30.35	469126	3B5V300	Q1	-	-	3TB300	Q1	-	-

Split taper sheaves
Interchange guide

4 grooves

Datum A belts	Datum B belts	Pitch 5V belts	OD	Dodge ST sheaves			Competitor B5V sheaves		Competitor TB sheaves		Competitor 5V sheaves	
				Part number	Description	Bushing	Part number	Bushing	Part number	Bushing	Part number	Bushing
3"	3.4"	-	3.75"	469127	4B34	P2	-	-	4TB34	P2	-	-
3.2	3.6	-	3.95	469128	4B36	P2	-	-	4TB36	P2	-	-
3.4	3.8	-	4.15	469129	4B38	P1	-	-	4TB38	P1	-	-
3.6	4	-	4.35	469130	4B40	P1	-	-	4TB40	P1	-	-
3.8	4.2	4.3	4.48	469131	4B5V42	P1	4B5V42	P1	4TB42	P1	-	-
4	4.4	4.5	4.68	469132	4B5V44	P1	4B5V44	P1	4TB44	P1	4Q5V46	Q2
4.2	4.6	4.7	4.88	469133	4B5V46	B	4B5V46	B	4TB46	P1	4Q5V49	Q1
4.4	4.8	4.9	5.08	469134	4B5V48	B	4B5V48	B	4TB48	P1	-	-
4.6	5	5.1	5.28	469135	4B5V50	B	4B5V50	B	4TB50	P1	4Q5V52	Q1
4.8	5.2	5.3	5.48	469136	4B5V52	B	4B5V52	B	4TB52	P1	4Q5V55	Q1
5	5.4	5.5	5.68	469137	4B5V54	B	4B5V54	B	4TB54	P1	-	-
5.2	5.6	5.7	5.88	469138	4B5V56	B	4B5V56	B	4TB56	P1	4Q5V59	Q1
5.4	5.8	5.9	6.08	469139	4B5V58	B	4B5V58	B	4TB58	P1	-	-
5.6	6	6.1	6.28	469140	4B5V60	B	4B5V60	B	4TB60	P1	4Q5V63	Q1
5.8	6.2	6.3	6.48	469141	4B5V62	B	4B5V62	B	4TB62	P1	-	-
6	6.4	6.5	6.68	469142	4B5V64	B	4B5V64	B	4TB64	P1	4Q5V67	Q1
6.2	6.6	6.7	6.88	469143	4B5V66	B	4B5V66	B	4TB66	P1	-	-
6.4	6.8	6.9	7.08	469144	4B5V68	B	4B5V68	B	4TB68	P1	4Q5V71	Q1
6.6	7	7.1	7.28	469145	4B5V70	B	4B5V70	B	4TB70	Q1	-	-
7	7.4	7.5	7.68	469146	4B5V74	B	4B5V74	B	4TB74	Q1	4Q5V75	Q1
7.4	7.8	7.9	8	469147	4B5V78	R1	-	-	-	-	4R5V80	R1
7.6	8	8.1	8.28	469148	4B5V80	B	4B5V80	B	4TB80	Q1	-	-
7.9	8.3	8.4	8.5	469149	4B5V83	R1	-	-	-	-	4R5V85	R1
8.2	8.6	8.7	8.88	469150	4B5V86	B	4B5V86	B	4TB86	Q1	-	-
8.4	8.8	8.9	9	469151	4B5V88	R1	-	-	-	-	4R5V90	R1
8.6	9	9.1	9.28	469152	4B5V90	B	4B5V90	B	4TB90	Q1	4R5V92	R1
9	9.4	9.5	9.68	469153	4B5V94	B	4B5V94	B	4TB94	Q1	4R5V97	R1
9.7	10.1	10.2	10.3	469154	4B5V101	R1	-	-	-	-	4R5V103	R1
10.3	10.7	10.8	10.9	469155	4B5V107	R1	-	-	-	-	4R5V109	R1
10.6	11	11.1	11.28	469156	4B5V110	B	4B5V110	B	4TB110	Q1	-	-
11.2	11.6	11.7	11.8	469157	4B5V116	R1	-	-	-	-	4R5V118	R1
12	12.4	12.5	12.68	469158	4B5V124	B	4B5V124	B	4TB124	Q1	4R5V125	R1
12.6	13	13.1	13.2	469159	4B5V133	R1	-	-	-	-	4R5V132	R1
13.2	13.6	13.7	13.88	469160	4B5V136	B	4B5V136	B	4TB136	Q1	-	-
13.4	13.8	13.9	14	469161	4B5V138	R1	-	-	-	-	4R5V140	R1
14.4	14.8	14.9	15	469162	4B5V148	R1	-	-	-	-	4R5V150	R1
15	15.4	15.5	15.68	469163	4B5V154	B	4B5V154	B	4TB154	Q1	-	-
15.4	15.8	15.9	16	469164	4B5V158	R1	-	-	-	-	4R5V160	R1
15.6	16	16.1	16.28	469165	4B5V160	B	4B5V160	B	4TB160	Q1	-	-
18	18.4	18.5	18.68	469166	4B5V184	B	4B5V184	B	4TB184	Q1	-	-
19.5	20	20.1	20.28	469167	4B5V200	B	4B5V200	B	4TB200	Q1	-	-
20.6	21	21.1	21.2	469168	4B5V211	R1	-	-	-	-	4R5V212	R1
22.9	23.4	23.5	23.68	469169	4B5V234	B	4B5V234	B	-	-	-	-
24.5	25	25.1	25.28	469170	4B5V250	B	4B5V250	B	4TB250	Q1	-	-
27.3	27.8	27.9	28.08	469171	4B5V278	B	4B5V278	B	-	-	4S5V280	S1
29.5	30	30.1	30.35	469172	4B5V300	Q1	-	-	4TB300	Q1	-	-

Split taper sheaves

Interchange guide

5 grooves

Datum A belts	Datum B belts	Pitch 5V belts	OD	Dodge ST sheaves			Competitor B5V sheaves		Competitor TB sheaves		Competitor 5V sheaves	
				Part number	Description	Bushing	Part number	Bushing	Part number	Bushing	Part number	Bushing
3"	3.4"	-	3.75"	469173	5B34	P2	-	-	5TB34	P2	-	-
3.2	3.6	-	3.95	469174	5B36	P2	-	-	5TB36	P2	-	-
3.4	3.8	-	4.15	469175	5B38	P2	-	-	5TB38	P2	-	-
3.6	4	-	4.35	469176	5B40	P2	-	-	5TB40	P2	-	-
3.8	4.2	4.3	4.48	469177	5B5V42	P2	5B5V42	P2	5TB42	P2	-	-
4	4.4	4.5	4.68	469178	5B5V44	P2	5B5V44	P2	5TB44	P2	5Q5V46	Q2
4.2	4.6	4.7	4.88	469179	5B5V46	P2	5B5V46	P2	5TB46	P2	5Q5V49	Q2
4.4	4.8	4.9	5.08	469180	5B5V48	P2	5B5V48	P2	5TB48	P2	-	-
4.6	5	5.1	5.28	469181	5B5V50	Q1	5B5V50	Q1	5TB50	P2	5Q5V52	Q2
4.8	5.2	5.3	5.48	469182	5B5V52	Q1	5B5V52	Q1	5TB52	P2	5Q5V55	Q2
5	5.4	5.5	5.68	469183	5B5V54	Q1	5B5V54	Q1	5TB54	Q1	-	-
5.2	5.6	5.7	5.88	469184	5B5V56	Q1	5B5V56	Q1	5TB56	Q1	5Q5V59	Q2
5.4	5.8	5.9	6.08	469185	5B5V58	Q1	5B5V58	Q1	5TB58	Q1	-	-
5.6	6	6.1	6.28	469186	5B5V60	Q1	5B5V60	Q1	5TB60	Q1	5Q5V63	Q2
5.8	6.2	6.3	6.48	469187	5B5V62	Q1	5B5V62	Q1	5TB62	Q1	-	-
6	6.4	6.5	6.68	469188	5B5V64	Q1	5B5V64	Q1	5TB64	Q1	5Q5V67	Q2
6.2	6.6	6.7	6.88	469189	5B5V66	Q1	5B5V66	Q1	5TB66	Q1	-	-
6.4	6.8	6.9	7.08	469190	5B5V68	Q1	5B5V68	Q1	5TB68	Q1	5Q5V71	Q2
6.6	7	7.1	7.28	469191	5B5V70	Q1	5B5V70	Q1	5TB70	Q2	-	-
7	7.4	7.5	7.68	469192	5B5V74	Q1	5B5V74	Q1	5TB74	Q2	5Q3V75	Q2
7.4	7.8	7.9	8	469193	5B5V78	R1	-	-	-	-	5R5V80	R1
7.6	8	8.1	8.28	469194	5B5V80	R1	5B5V80	R1	5TB80	Q2	-	-
7.9	8.3	8.4	8.5	469195	5B5V83	R1	-	-	-	-	5R5V85	R1
8.2	8.6	8.7	8.88	469196	5B5V86	R1	5B5V86	R1	5TB86	Q2	-	-
8.4	8.8	8.9	9	469197	5B5V88	R1	-	-	-	-	5R5V90	R1
8.6	9	9.1	9.28	469198	5B5V90	R1	5B5V90	R1	5TB90	Q2	5R5V92	R1
9	9.4	9.5	9.68	469199	5B5V94	R1	5B5V94	R1	5TB94	Q2	5R5V97	R1
9.7	10.1	10.2	10.3	469200	5B5V101	R1	-	-	-	-	5R5V103	R1
10.3	10.7	10.8	10.9	469201	5B5V107	R1	-	-	-	-	5R5V109	R1
10.6	11	11.1	11.28	469202	5B5V110	R1	5B5V110	R1	5TB110	Q2	-	-
11.2	11.6	11.7	11.8	469203	5B5V116	R1	-	-	-	-	5R5V118	R1
12	12.4	12.5	12.68	469204	5B5V124	R1	5B5V124	R1	5TB124	Q2	5R5V125	R1
12.6	13	13.1	13.2	469205	5B5V133	R1	-	-	-	-	5R5V132	R1
13.2	13.6	13.7	13.88	469206	5B5V136	R1	5B5V136	R1	5TB136	Q2	-	-
13.4	13.8	13.9	14	469207	5B5V138	R1	-	-	-	-	5R5V140	R1
14.4	14.8	14.9	15	469208	5B5V148	R1	-	-	-	-	5R5V150	R1
15	15.4	15.5	15.68	469209	5B5V154	R1	5B5V154	R1	5TB154	Q2	-	-
15.4	15.8	15.9	16	469210	5B5V158	R1	-	-	-	-	5R5V160	R1
15.6	16	16.1	16.28	469211	5B5V160	R1	5B5V160	R1	5TB160	Q2	-	-
18	18.4	18.5	18.68	469212	5B5V184	R1	5B5V184	R1	5TB184	Q2	-	-
19.5	20	20.1	20.28	469213	5B5V200	R1	5B5V200	R1	5TB200	Q2	-	-
20.6	21	21.1	21.2	469214	5B5V211	S1	-	-	-	-	5R5V212	S1
24.5	25	25.1	25.28	469215	5B5V250	R1	5B5V250	R1	5TB250	Q2	5S5V250	S1
27.4	27.8	27.9	28	469216	5B5V278	S1	-	-	-	-	5S5V280	S1
29.5	30	30.1	30.35	469217	5B5V300	R1	-	-	5B300R	R1	-	-

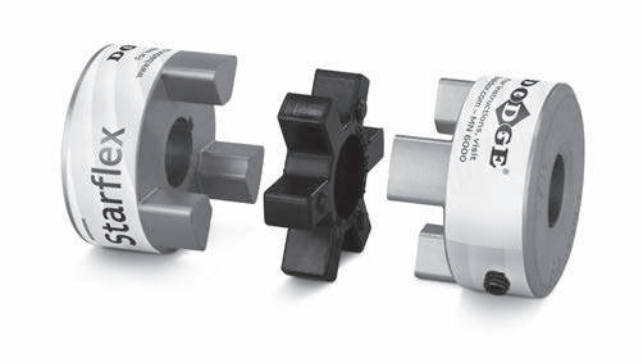
Split taper sheaves
Interchange guide

6 grooves

Datum A belts	Datum B belts	Pitch 5V belts	OD	Dodge ST sheaves			Competitor B5V sheaves		Competitor TB sheaves		Competitor 5V sheaves	
				Part number	Description	Bushing	Part number	Bushing	Part number	Bushing	Part number	Bushing
3"	3.4"	-	3.75"	469218	6B34	P2	-	-	6TB34	P2	-	-
3.2	3.6	-	3.95	469219	6B36	P2	-	-	6TB36	P2	-	-
3.4	3.8	-	4.15	469220	6B38	P2	-	-	6TB38	P2	-	-
3.6	4	-	4.35	469221	6B40	P2	-	-	6TB40	P2	-	-
3.8	4.2	4.3	4.48	469222	6B5V42	P2	6B5V42	P2	6TB42	P2	-	-
4	4.4	4.5	4.68	469223	6B5V44	P2	6B5V44	P2	6TB44	P2	-	-
4.2	4.6	4.7	4.88	469224	6B5V46	P2	6B5V46	P2	6TB46	P2	-	-
4.4	4.8	4.9	5.08	469225	6B5V48	P2	6B5V48	P2	6TB48	P2	-	-
4.6	5	5.1	5.28	469226	6B5V50	Q2	6B5V50	Q2	6TB50	P2	-	-
4.8	5.2	5.3	5.48	469227	6B5V52	Q2	6B5V52	Q2	6TB52	P2	-	-
5	5.4	5.5	5.68	469228	6B5V54	Q2	6B5V54	Q2	6TB54	Q1	-	-
5.2	5.6	5.7	5.88	469229	6B5V56	Q2	6B5V56	Q2	6TB56	Q1	-	-
5.4	5.8	5.9	6.08	469230	6B5V58	Q1	6B5V58	Q1	6TB58	Q1	-	-
5.6	6	6.1	6.28	469231	6B5V60	Q1	6B5V60	Q1	6TB60	Q1	-	-
5.8	6.2	6.3	6.48	469232	6B5V62	Q1	6B5V62	Q1	6TB62	Q1	-	-
6	6.4	6.5	6.68	469233	6B5V64	Q1	6B5V64	Q1	6TB64	Q1	-	-
6.2	6.6	6.7	6.88	469234	6B5V66	Q1	6B5V66	Q1	6TB66	Q1	-	-
6.4	6.8	6.9	7.08	469235	6B5V68	Q1	6B5V68	Q1	6TB68	Q1	6Q5V71	Q2
6.6	7	7.1	7.28	469236	6B5V70	Q2	6B5V70	Q2	6TB70	Q2	-	-
7	7.4	7.5	7.68	469237	6B5V74	Q2	6B5V74	Q2	6TB74	Q2	6Q5V75	Q2
7.4	7.8	7.9	8	469238	6B5V78	R1	-	-	-	-	6R5V80	R1
7.6	8	8.1	8.28	469239	6B5V80	R1	6B5V80	R1	6TB80	Q2	-	-
7.9	8.3	8.4	8.5	469240	6B5V83	R1	-	-	-	-	6R5V85	R1
8.2	8.6	8.7	8.88	469241	6B5V86	R1	6B5V86	R1	6TB86	Q2	-	-
8.4	8.8	8.9	9	469242	6B5V88	R1	-	-	-	-	6R5V90	R1
8.6	9	9.1	9.28	469243	6B5V90	R1	6B5V90	R1	6TB90	Q2	6R5V92	R1
9	9.4	9.5	9.68	469244	6B5V94	R1	6B5V94	R1	6TB94	Q2	6R5V97	R1
9.7	10.1	10.2	10.3	469245	6B5V101	R1	-	-	-	-	6R5V103	R1
10.3	10.7	10.8	10.9	397037	6B5V107	R1	-	-	-	-	6R5V109	R1
10.6	11	11.1	11.28	469247	6B5V110	R1	6B5V110	R1	6TB110	Q2	-	-
11.2	11.6	11.7	11.8	469248	6B5V116	R1	-	-	-	-	6R5V118	R1
12	12.4	12.5	12.68	469249	6B5V124	R1	6B5V124	R1	6TB124	Q2	6S5V125	S1
12.6	13	13.1	13.2	469250	6B5V133	S1	-	-	-	-	6S5V132	S1
13.2	13.6	13.7	13.88	469251	6B5V136	R1	6B5V136	R1	6TB136	Q2	-	-
13.4	13.8	13.9	14	469252	6B5V138	S1	-	-	-	-	6S5V140	S1
14.4	14.8	14.9	15	469253	6B5V148	S1	-	-	-	-	6S5V150	S1
15	15.4	15.5	15.68	469254	6B5V154	R1	6B5V154	R1	6TB154	Q2	-	-
15.4	15.8	15.9	16	469255	6B5V158	S1	-	-	-	-	6S5V160	S1
15.6	16	16.1	16.28	469256	6B5V160	R1	6B5V160	R1	6TB160	Q2	-	-
18	18.4	18.5	18.68	469257	6B5V184	R1	6B5V184	R1	6TB184	Q2	-	-
19.5	20	20.1	20.28	469258	6B5V200	R1	6B5V200	R1	6TB200	Q2	-	-
20.6	21	21.1	21.2	469259	6B5V211	S1	-	-	-	-	6S5V212	S1
24.5	25	25.1	25.28	469260	6B5V250	R1	6B5V250	R1	6TB250	Q2	6S5V250	S1
27.4	27.8	27.9	28	397038	6B5V278	S1	-	-	-	-	6S5V280	S1
29.5	30	30.1	30.35	469262	6B5V300	R1	-	-	6B300R	R1	-	-

Starflex couplings

The most commonly used elastomeric coupling for a wide variety of light to medium-duty applications.



Features:
- Interchangeable by part number and size with industry standard components
- Cost saving component
- Four types of insert materials for a wide range of applications in varying temperatures and environments

Note: Careful selection of the type of insert will result in efficient, long-lasting operations.

Product features:
- High torque capability
- Easy Installation
- Misalignment capability
- No metal-to-metal contact

How to order:
A complete Starflex coupling assembly consists of one element and two hubs.

Nomenclature:

Hubs:

L 075 x 5/8

Hub size ● L 075

Bore size ● 5/8

Elements:

L 075 N

Element size ● L 075

Element material ● N

N = NBR rubber

U = Urethane

H = Hytrel

B = Bronze

Starflex couplings

Note: Selecting the proper insert material plays an important part in the performance of the product.

Element characteristics

Material	Properties	Temperature range	Misalignment		Shore hardness	Damping capacity	Chemical resistance	Color
			Angular (degrees)	Parallel (in.)				
NBR (rubber) 	Nitrile Butadiene Rubber is a flexible elastomer that is oil resistant, with the resilience and elasticity of natural rubber. Most economical and widely-used.	-40° to +212°F -40° to +100°C	1°	.015	80A	High	Good	Black
Urethane 	Urethane has 1.5 times greater torque capacity than NBR, provides less vibration damping, and has good resistance to oil and chemicals. Not recommended for high cycle applications.	-30° to +160°F -34° to +71°C	1°	.015	55D L050-L110 90-95A L150-L225	Low	Very good	Orange
Hytrel 	Hytrel is a flexible elastomer suited to high torque and temperature applications. Excellent resistance to oil and chemicals. Not recommended for high cycle applications.	-60° to +250°F -51° to 121°C	1/2°	.015	55D	Low	Excellent	Beige
Bronze 	Bronze is a rigid, oil-impregnated metal insert designed for high torque, slow speed applications. (maximum 250 RPM) Not effected by extreme environments (temperature, water, oil, dirt).	-40° to +450°F -40° to +232°C	1/2°	.010	-	Nil	Excellent	Gold

Jaw couplings advantages

Jaw couplings are fail-safe - if the insert element wears or breaks away, the coupling continues to operate until the insert can be conveniently replaced.

Simple design means easy installation, removal, and visual inspection. It also offers lighter weight and lower cost when compared to other coupling styles with similar torque capacity.

Insert choice

The choice of the insert element makes a significant difference in the coupling's performance with regards to torque rating, vibration, temperature, chemical resistance, misalignment, speed, installation and removal.

Maintenance tips

Through manual inspection, avoid allowing the jaw tips to come into contact; a noisy, grinding operation will result. Replace the insert if signs of wear are evident.

Do not over-estimate service factors when choosing the coupling. This increases costs unnecessarily and can cause damage elsewhere in the drive. Due to the variety of inserts available, careful selection will result in efficient, long-lasting operation.

Starflex couplings

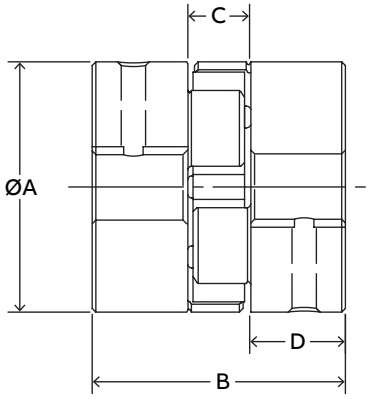
Element part numbers

Spider element style	NBR rubber (solid)	NBR rubber (open center)	Urethane (solid)	Urethane (open center)	Hytrel (solid)	Hytrel (open center)	Bronze (open center)
L035	L035N	-	-	-	-	-	-
L050	L050N	-	L050U	-	L050H	-	L050B
L070	L070N	-	L070U	L070U-HOLE	L070H	L070H-HOLE	L070B
L075	L075N	L075N-HOLE	L090-095U	L075U-HOLE	L075H	L075H-HOLE	L075B
L090 L095	L090-095N	L090-095N-HOLE	L099-100U	L090-095U-HOLE	L090-095H	L090-095H-HOLE	L090-095B
L099 L100	L099-100N	L099-100N-HOLE	L099-100U	L099-100U-HOLE	L099-100H	L099-100H-HOLE	L099-100B
L110	L110N	L110N-HOLE	L110U	L110U-HOLE	L110H	L110H-HOLE	L110B
L150	L150N	L150N-HOLE	L150U	L150U-HOLE	L150H	L150H-HOLE	L150B
L190	L190N	L190N-HOLE	L190U	-	L190H	L190H-HOLE	L190B
L225	L225N	L225N-HOLE	L225U	-	L225H	L225H-HOLE	L225B

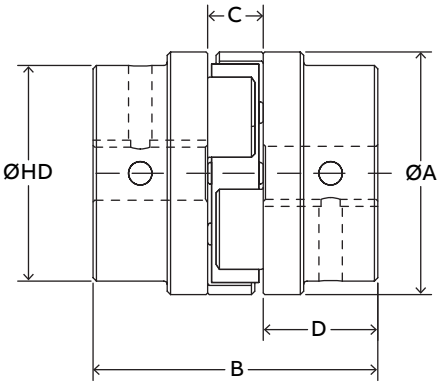
Torque, speed, and misalignment ratings

Size	Torque and speed ratings						Misalignment ratings			
	Torque (in.-lbs.)				Speed (RPM)		Parallel (in.)		Angular	
	NBR	Urethane	Hytrel	Bronze	NBR, urethane, hytrel	Bronze	NBR, urethane, hytrel	Bronze	NBR, urethane	Hytrel, bronze
L035	3.5	-	-	-	31,000	250	0.015	-	-	-
L050	26	39	50	50	18,000	250	0.015	0.010	1°	1/2°
L070	43	65	114	114	14,000	250	0.015	0.010	1°	1/2°
L075	90	135	227	227	11,000	250	0.015	0.010	1°	1/2°
L090	144	216	401	401	9,000	250	0.015	0.010	1°	1/2°
L095	194	291	561	561	9,000	250	0.015	0.010	1°	1/2°
L099	318	477	792	792	7,000	250	0.015	0.010	1°	1/2°
L100	417	626	1,134	1,134	7,000	250	0.015	0.010	1°	1/2°
L110	792	1,188	2,268	2,268	5,000	250	0.015	0.010	1°	1/2°
L150	1,240	2,860	3,708	3,708	5,000	250	0.015	0.010	1°	1/2°
L190	1,728	2,592	4,680	4,680	5,000	250	0.015	0.010	1°	1/2°
L225	2,340	3,510	6,228	6,228	4,200	250	0.015	0.010	1°	1/2°

Starflex couplings



Type 1



Type 2

Size	Type	Minimum bore	Maximum bore	Outside diameter (A)	Hub diameter (HD)	Overall lengths (B)	Distance between hubs (C)	Length through bore (D)	Weight(1) (lbs.)	Intertia (lbs.-in.²)
L035	1	1/8 (4mm)	3/8 (8mm)	5/8	-	13/16	9/32	17/64	0.10	0.003
L050	1	3/16 (5mm)	5/8 (16mm)	1-1/16	-	1-23/32	15/32	5/8	0.25	0.054
L070	1	3/16 (7mm)	3/4 (19mm)	1-3/8	-	2	1/2	3/4	0.50	0.115
L075	1	3/16 (9mm)	7/8 (22mm)	1-3/4	-	2-1/8	1/2	13/16	0.90	0.388
L090	1	3/16 (8mm)	1 (25mm)	2-1/8	-	2-9/64	33/64	13/16	1.35	0.772
L095	1	7/16 (11mm)	1-1/8 (28mm)	2-1/8	-	2-33/64	33/64	1	1.55	0.890
L099	1	7/16 (14mm)	1-3/16 (30mm)	2-17/32	-	2-27/32	23/32	1-1/16	2.25	2.048
L100	1	7/16 (12mm)	1-3/8 (35mm)	2-17/32	-	3-15/32	23/32	1-3/8	2.80	2.783
L110	1	5/8 (16mm)	1-5/8 (42mm)	3-5/16	-	4-1/4	7/8	1-11/16	5.95	8.993
L150	1	5/8 (16mm)	1-7/8 (48mm)	3-3/4	-	4-1/2	1	1-3/4	7.90	11.477
L190	2	3/4 (19mm)	2-1/8 (55mm)	4-1/2	4	5	1	2	13.80	39.256
L225	2	3/4 (30mm)	2-5/8 (65mm)	5	4-1/4	5-3/8	1	2-3/16	17.30	65.000

(1) Average weight for complete coupling assembly

Starflex couplings

Inch series: standard bores and keyways

Bore (in.)	Keyway (in.)	L035	L050	L070	L075	L090	L095
1/8	No kW	L035x1/8	-	-	-	-	-
3/16	No kW	L035x3/16	L050x3/16	L070x3/16	L075x3/16	L090x3/16	-
1/4	No kW	L035x1/4	L050x1/4	L070x1/4	L075x1/4	L090x1/4	-
1/4	1/8 X 1/16	-	-	-	L075x1/4kW	-	-
5/16	No kW	L035x5/16	L050x5/16	-	L075x5/16	L090x5/16	-
3/8	No kW	L035x3/8	L050x3/8	L070x3/8	L075x3/8	L090x3/8	-
3/8	3/32 X 3/64	-	L050x3/8kW3/32	L070x3/8kW3/32	L075x3/8kW3/32	L090x3/8kW3/32	-
3/8	1/8 X 1/16	-	L050x1/8kW1/8	L070x3/8kW1/8	L075x3/8kW1/8	L090x3/8kW1/8	-
7/16	No kW	-	L050x7/16	L070x7/16	L075x7/16	L090x7/16	L095x7/16
7/16	3/32 X 3/64	-	L050x7/16kW3/32	L070x7/16kW3/32	L075x7/16kW3/32	L090x7/16kW3/32	L095x7/16kW3/32
7/16	1/8 X 1/16	-	-	L070x7/16kW1/8	L075x7/16kW1/8	L090x7/16kW1/8	L095x7/16kW1/8
1/2	No kW	-	L050x1/2	L070x1/2	L075x1/2	L090x1/2	L095x1/2
1/2	1/8 X 1/16	-	L050x1/2kW	L070x1/2kW	L075x1/2kW	L090x1/2kW	L095x1/2kW
9/16	No kW	-	L050x9/16NOkW	L070x9/16NOkW	L075x9/16NOkW	L090x9/16NOkW	L095x9/16NOkW
9/16	1/8 X 1/16	-	L050x9/16	L070x9/16	L075x9/16	L090x9/16	L095x9/16
5/8	No kW	-	L050x5/8NOkW	L070x5/8NOkW	L075x5/8NOkW	L090x5/8NOkW	L095x5/8NOkW
5/8	5/32 X 5/64	-	-	L070x5/8kW5/32	L075x5/8kW5/32	L090x5/8kW5/32	L095x5/8kW5/32
5/8	3/16 X 3/32	-	L050x5/8	L070x5/8	L075x5/8	L090x5/8	L095x5/8
11/16	3/16 X 3/32	-	-	L070x11/16	L075x11/16	L090x11/16	L095x11/16
3/4	No kW	-	-	L070x3/4NOkW	L075x3/4NOkW	L090x3/4NOkW	L095x3/4NOkW
3/4	1/8 X 1/16	-	-	L070x3/4kW1/8	L075x3/4kW1/8	L090x3/4kW1/8	L095x3/4kW1/8
3/4	3/16 X 3/32	-	-	L070x3/4kW	L075x3/4	L090x3/4	L095x3/4
13/16	3/16 X 3/32	-	-	-	L075x13/16	L090x13/16	L095x13/16
7/8	No kW	-	-	-	L075x7/8NOkW	-	-
7/8	3/16 X 3/32	-	-	-	L075x7/8	L090x7/8	L095x7/8
7/8	1/4 X 1/8	-	-	-	-	L090x7/8kW1/4	L095x7/8kW1/4
15/16	1/4 X 1/8	-	-	-	-	L090x15/16	L095x15/16
1	1/4 X 1/8	-	-	-	-	L090x1	L095x1
1	3/16 X 3/32	-	-	-	-	L090x1kW3/16	L095x1kW13/16
1-1/16	1/4 X 1/8	-	-	-	-	-	L095x1-1/16
1-1/8	1/4 X 1/8	-	-	-	-	-	L095x1-1/8
1-3/16	1/4 X 1/8	-	-	-	-	-	-
1-1/4	1/4 X 1/8	-	-	-	-	-	-
1-1/4	5/16 X 5/32	-	-	-	-	-	-
1-5/16	5/16 X 5/32	-	-	-	-	-	-
1-3/8	5/16 X 5/32	-	-	-	-	-	-
1-3/8	3/8 X 3/16	-	-	-	-	-	-
1-7/16	3/8 X 3/16	-	-	-	-	-	-
1-1/2	5/16 X 5/32	-	-	-	-	-	-
1-1/2	3/8 X 3/16	-	-	-	-	-	-
1-9/16	3/8 X 3/16	-	-	-	-	-	-
1-5/8	3/8 X 3/16	-	-	-	-	-	-
1-11/16	3/8 X 3/16	-	-	-	-	-	-
1-3/4	3/8 X 3/16	-	-	-	-	-	-
1-3/4	3/8 X 3/16	-	-	-	-	-	-
1-13/16	1/2 X 1/4	-	-	-	-	-	-
1-7/8	1/2 X 1/4	-	-	-	-	-	-
1-15/16	1/2 X 1/4	-	-	-	-	-	-
2	1/2 X 1/4	-	-	-	-	-	-
2-1/16	1/2 X 1/4	-	-	-	-	-	-
2-1/8	1/2 X 1/4	-	-	-	-	-	-
2-3/16	1/2 X 1/4	-	-	-	-	-	-
2-1/4	1/2 X 1/4	-	-	-	-	-	-
2-3/8	5/8 X 5/16	-	-	-	-	-	-
2-1/2	5/8 X 5/16	-	-	-	-	-	-
2-5/8	5/8 X 5/16	-	-	-	-	-	-

Hub part number = Size X bore
For example, L070x5/8

Starflex couplings

Inch series: standard bores and keyways

Bore (in.)	Keyway (in.)	L099	L100	L110	L150	L190	L225
1/8	No kW	-	-	-	-	-	-
3/16	No kW	-	-	-	-	-	-
1/4	No kW	-	-	-	-	-	-
1/4	1/8 X 1/16	-	-	-	-	-	-
5/16	No kW	-	-	-	-	-	-
3/8	No kW	-	-	-	-	-	-
3/8	3/32 X 3/64	-	-	-	-	-	-
3/8	1/8 X 1/16	-	-	-	-	-	-
7/16	No kW	L099x7/16	L100x7/16	-	-	-	-
7/16	3/32 X 3/64	L099x7/16kW3/32	L100x7/16kW3/32	-	-	-	-
7/16	1/8 X 1/16	L099x7/16kW1/8	L100x7/16kW1/8	-	-	-	-
1/2	No kW	L099x1/2	L100x1/2	-	-	-	-
1/2	1/8 X 1/16	L099x1/2kW	L100x1/2kW	-	-	-	-
9/16	No kW	L099x9/16NOkW	L100x9/16NOkW	-	-	-	-
9/16	1/8 X 1/16	L099x9/16	L100x9/16	-	-	-	-
5/8	No kW	L099x5/8NOkW	L100x5/8NOkW	L110x5/8NOkW	L150x5/8NOkW	-	-
5/8	5/32 X 5/64	L099x5/8kW5/32	L100x5/8kW5/32	L110x5/8kW5/32	L150x5/8kW5/32	-	-
5/8	3/16 X 3/32	L099x5/8	L100x5/8	L110x5/8	L150x5/8	-	-
11/16	3/16 X 3/32	L099x11/16	L100x11/16	L110x11/16	L150x11/16	-	-
3/4	No kW	L099x3/4NOkW	L100x3/4NOkW	-	-	L190x3/4NOkW	L225x3/4NOkW
3/4	1/8 X 1/16	L099x3/4kW1/8	L100x3/4kW1/8	L110x3/4kW1/8	L150x3/4kW1/8	L190x3/4kW1/8	-
3/4	3/16 X 3/32	L099x3/4	L100x3/4	L110x3/4	L150x3/4	L190x3/4	L225x3/4
13/16	3/16 X 3/32	L099x13/16	L100x13/16	L110x13/16	L150x13/16	L190x13/16	L225x13/16
7/8	No kW	L099x7/8NOkW	-	-	-	-	-
7/8	3/16 X 3/32	L099x7/8	L100x7/8	L110x7/8	L150x7/8	L190x7/8	L225x7/8
7/8	1/4 X 1/8	L099x7/8kW1/4	L100x7/8kW1/4	L110x7/8kW1/4	L150x7/8kW1/4	L190x7/8kW1/4	L225x7/8kW1/4
15/16	1/4 X 1/8	L099x15/16	L100x15/16	L110x15/16	L150x15/16	L190x15/16	L225x15/16
1	1/4 X 1/8	L099x1	L100x1	L110x1	L150x1	L190x1	L225x1
1	3/16 X 3/32	L099x1kW13/16	L100x1kW13/16	L110x1kW3/16	L150x1kW3/16	L190x1kW3/16	L225x1kW3/16
1-1/16	1/4 X 1/8	L099x1-1/16	L100x1-1/16	L110x1-1/16	L150x1-1/16	L190x1-1/16	L225x1-1/16
1-1/8	1/4 X 1/8	L099x1-1/8	L100x1-1/8	L110x1-1/8	L150x1-1/8	L190x1-1/8	L225x1-1/8
1-3/16	1/4 X 1/8	L099x1-3/16	L100x1-3/16	L110x1-3/16	L150x1-3/16	L190x1-3/16	L225x1-3/16
1-1/4	1/4 X 1/8	-	L100x1-1/4	L110x1-1/4	L150x1-1/4	L190x1-1/4	L225x1-1/4
1-1/4	5/16 X 5/32	-	L100x1-1/4kW	L110x1-1/4kW	L150x1-1/4kW	L190x1-1/4kW	L225x1-1/4kW
1-5/16	5/16 X 5/32	-	L100x1-5/16	L110x1-5/16	L150x1-5/16	L190x1-5/16	L225x1-5/16
1-3/8	5/16 X 5/32	-	L100x1-3/8	L110x1-3/8	L150x1-3/8	L190x1-3/8	L225x1-3/8
1-3/8	3/8 X 3/16	-	L100x1-3/8kW	L110x1-3/8kW	L150x1-3/8kW	L190x1-3/8kW	L225x1-3/8kW
1-7/16	3/8 X 3/16	-	-	L110x1-7/16	L150x1-7/16	L190x1-7/16	L225x1-7/16
1-1/2	5/16 X 5/32	-	-	L110x1-1/2kW	L150x1-1/2kW	L190x1-1/2kW	L225x1-1/2kW
1-1/2	3/8 X 3/16	-	-	L110x1-1/2	L150x1-1/2	L190x1-1/2	L225x1-1/2
1-9/16	3/8 X 3/16	-	-	L110x1-9/16	L150x1-9/16	L190x1-9/16	L225x1-9/16
1-5/8	3/8 X 3/16	-	-	L110x1-5/8	L150x1-5/8	L190x1-5/8	L225x1-5/8
1-11/16	3/8 X 3/16	-	-	-	L150x1-11/16	L190x1-11/16	L225x1-11/16
1-3/4	7/16 X 7/32	-	-	-	L150x1-3/4	L190x1-3/4	L225x1-3/4
1-3/4	7/16 X 7/32	-	-	-	L150x1-3/4kW	L190x1-3/4kW	L225x1-3/4kW
1-13/16	1/2 X 1/4	-	-	-	L150x1-13/16	L190x1-13/16	L225x1-13/16
1-7/8	1/2 X 1/4	-	-	-	L150x1-7/8	L190x1-7/8	L225x1-7/8
1-15/16	1/2 X 1/4	-	-	-	-	L190x1-15/16	L225x1-15/16
2	1/2 X 1/4	-	-	-	-	L190x2	L225x2
2-1/16	1/2 X 1/4	-	-	-	-	L190x2-1/16	L225x2-1/16
2-1/8	1/2 X 1/4	-	-	-	-	L190x2-1/8	L225x2-1/8
2-3/16	1/2 X 1/4	-	-	-	-	-	L225x2-3/16
2-1/4	1/2 X 1/4	-	-	-	-	-	L225x2-1/4
2-3/8	5/8 X 5/16	-	-	-	-	-	L225x2-3/8
2-1/2	5/8 X 5/16	-	-	-	-	-	L225x2-1/2
2-5/8	5/8 X 5/16	-	-	-	-	-	L225x2-5/8

Hub part number = Size X bore
For example, L070x5/8

Starflex couplings

Metric series: standard bores and keyways

Bore (mm)	Keyway (mm)	L035	L050	L070	L075	L090	L095
4	No kW	L035x4MM	-	-	-	-	-
5	No kW	L035x5MM	L050x5MM	-	-	-	-
6	No kW	L035x6MM	L050x6MM	-	-	-	-
7	No kW	L035x7MM	L050x7MM	L070x7MM	-	-	-
8	No kW	L035x8MM	L050x8MM	L070x8MM	-	L090x8MM	-
9	3 X 1.4	-	L050x9MM	L070x9MM	L075x9MM	-	-
10	No kW	-	L050x10MM	L070x10MM	L075x10MM	-	-
	3 X 1.4	-	L050x10MM	L070x10MM	L075x10MM	L090x10MM	-
11	4 X 1.8	-	L050x11MM	L070x11MM	L075x11MM	-	L095x11MM
12	No kW	-	L050x12MM	L070x12MM	-	L090x12MM	-
	4 X 1.8	-	L050x12MM	L070x12MM	L075x12MM	L090x12MM	L095x12MM
14	No kW	-	L050x14MM	-	-	L090x14MM	L095x14MM
	5 X 2.3	-	L050x14MM	L070x14MM	L075x14MM	L090x14MM	L095x14MM
15	No kW	-	L050x15MM	L070x15MM	L075x15MM	-	L095x15MM
	5 X 2.3	-	L050x15MM	L070x15MM	L075x15MM	L090x15MM	L095x15MM
16	5 X 2.3	-	L050x16MM	L070x16MM	L075x16MM	L090x16MM	L095x16MM
17	5 X 2.3	-	-	L070x17MM	L075x17MM	L090x17MM	L095x17MM
18	6 X 2.8	-	-	L070x18MM	L075x18MM	L090x18MM	L095x18MM
19	No kW	-	-	-	-	L090x19MM	-
	6 X 2.8	-	-	L070x19MM	L075x19MM	L090x19MM	L095x19MM
20	6 X 2.8	-	-	-	L075x20MM	L090x20MM	L095x20MM
22	6 X 2.8	-	-	-	L075x22MM	L090x22MM	L095x22MM
24	8 X 3.3	-	-	-	-	L090x24MM	L095x24MM
25	8 X 3.3	-	-	-	-	L090x25MM	L095x25MM
28	No kW	-	-	-	-	-	-
	8 X 3.3	-	-	-	-	-	L095x28MM
30	8 X 3.3	-	-	-	-	-	-
32	No kW	-	-	-	-	-	-
	10 X 3.3	-	-	-	-	-	-
35	No kW	-	-	-	-	-	-
	10 X 3.3	-	-	-	-	-	-
38	10 X 3.3	-	-	-	-	-	-
40	12 X 3.3	-	-	-	-	-	-
42	12 X 3.3	-	-	-	-	-	-
45	14 X 3.8	-	-	-	-	-	-
48	No kW	-	-	-	-	-	-
	14 X 3.8	-	-	-	-	-	-
50	No kW	-	-	-	-	-	-
	14 X 3.8	-	-	-	-	-	-
55	No kW	-	-	-	-	-	-
	16 X 4.3	-	-	-	-	-	-
60	No kW	-	-	-	-	-	-
	18 X 4.4	-	-	-	-	-	-
65	18 X 4.4	-	-	-	-	-	-

Hub part number = Size X bore
For example, L070x5/8

Starflex couplings

Metric series: standard bores and keyways

Bore (mm)	Keyway (mm)	L099	L100	L110	L150	L190	L225
4	No kW	-	-	-	-	-	-
5	No kW	-	-	-	-	-	-
6	No kW	-	-	-	-	-	-
7	No kW	-	-	-	-	-	-
8	No kW	-	-	-	-	-	-
9	3 X 1.4	-	-	-	-	-	-
10	No kW	-	-	-	-	-	-
	3 X 1.4	-	-	-	-	-	-
11	4 X 1.8						
12	No kW	-	-	-	-	-	-
	4 X 1.8	-	L100X12MM-PB	-	-	-	-
14	No kW	L099X14MM-PB	-	-	-	-	-
	5 X 2.3	L099X14MM	L100X14MM	-	-	-	-
15	No kW	L099X15MM	L100X15MM	-	-	-	-
	5 X 2.3	L099X15MM	L100X15MM	-	-	-	-
16	5 X 2.3	L099X16MM	L100X16MM	L110X16MM-PB	L150X16MM-PB	-	-
17	5 X 2.3	-	L100X17MM	L110X17MM	L150X17MM	-	-
18	6 X 2.8	L099X18MM	L100X18MM	L110X18MM	-	-	-
19	No kW	-	-	-	-	L190X19MM-PB	-
	6 X 2.8	L099X19MM	L100X19MM	L110X19MM	L150X19MM	L190X19MM	-
20	6 X 2.8	L099X20MM	L100X20MM	L110X20MM	L150X20MM	L190X20MM	-
22	6 X 2.8	L099X22MM	L100X22MM	L110X22MM	L150X22MM	-	-
24	8 X 3.3	L099X24MM	L100X24MM	L110X24MM	L150X24MM	L190X24MM	-
25	8 X 3.3	L099X25MM	L100X25MM	L110X25MM	L150X25MM	L190X25MM	-
28	No kW	-	-	-	-	L190X28MM	-
	8 X 3.3	L099X28MM	L100X28MM	L110X28MM	L150X28MM	L190X28MM	-
30	8 X 3.3	L099X30MM	L100X30MM	L110X30MM	L150X30MM	L190X30MM	L225X30MM-PB
32	No kW	-	-	-	L150X32MM	L190X32MM	L225X32MM
	10 X 3.3	-	L100X32MM	L110X32MM	L150X32MM	L190X32MM	L225X32MM
35	No kW	-	L100X35MM	-	L150X35MM	L190X35MM	L225X35MM
	10 X 3.3	-	L100X35MM	L110X35MM	L150X35MM	L190X35MM	L225X35MM
38	10 X 3.3	-	-	L110X38MM	L150X38MM	L190X38MM	L225X38MM
40	12 X 3.3	-	-	L110X40MM	L150X40MM	L190X40MM	L225X40MM
42	12 X 3.3	-	-	L110X42MM	L150X42MM	L190X42MM	L225X42MM
45	14 X 3.8	-	-	-	L150X45MM	L190X45MM	L225X45MM
48	No kW	-	-	-	L150X48MM	-	-
	14 X 3.8	-	-	-	L150X48MM	L190X48MM	L225X48MM
50	No kW	-	-	-	L150X50MM	L190X50MM	L225X50MM
	14 X 3.8	-	-	-	-	L190X50MM	L225X50MM
55	No kW	-	-	-	-	L190X55MM	L225X55MM
	16 X 4.3	-	-	-	-	L190X55MM	L225X55MM
60	No kW	-	-	-	-	-	L225X60MM
	18 X 4.4	-	-	-	-	-	L225X60MM
65	18 X 4.4	-	-	-	-	-	L225X65MM

Hub part number = Size X bore
For example, L070x5/8

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Notes

ABB Motors and Mechanical Inc.
5711 R.S. Boreham, Jr. Street
Fort Smith, AR 72901
Ph: 1.479.646.4711

Mechanical Power Transmission Support
Ph: 1.864.297.4800

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