IDC SELECT® SHEAVES AND BUSHINGS

To compete in today's global marketplace,

distributors and OEMs need a supplier who can provide them with high-quality bearing and power transmission products that meet their quality, cost and delivery requirements. That's why they rely on IDC Select®.

IDC Select® supplies a full range of high-quality A/B combination, C, 3V, 5V, 8V, Variable Pitch, and Light Duty Sheaves; QD®, Split Taper and Taper-Lock® Bushings.

Each sheave is precision machined from gray cast iron, statically balanced, painted with baked enamel finish and individually packaged.

IDC Select® can help your company grow. You can find many of the sheaves and bushings needed for your applications in this catalog. Contact your local IDC Distributor if the sheave or bushing you need is not listed.

IDC SELECT®

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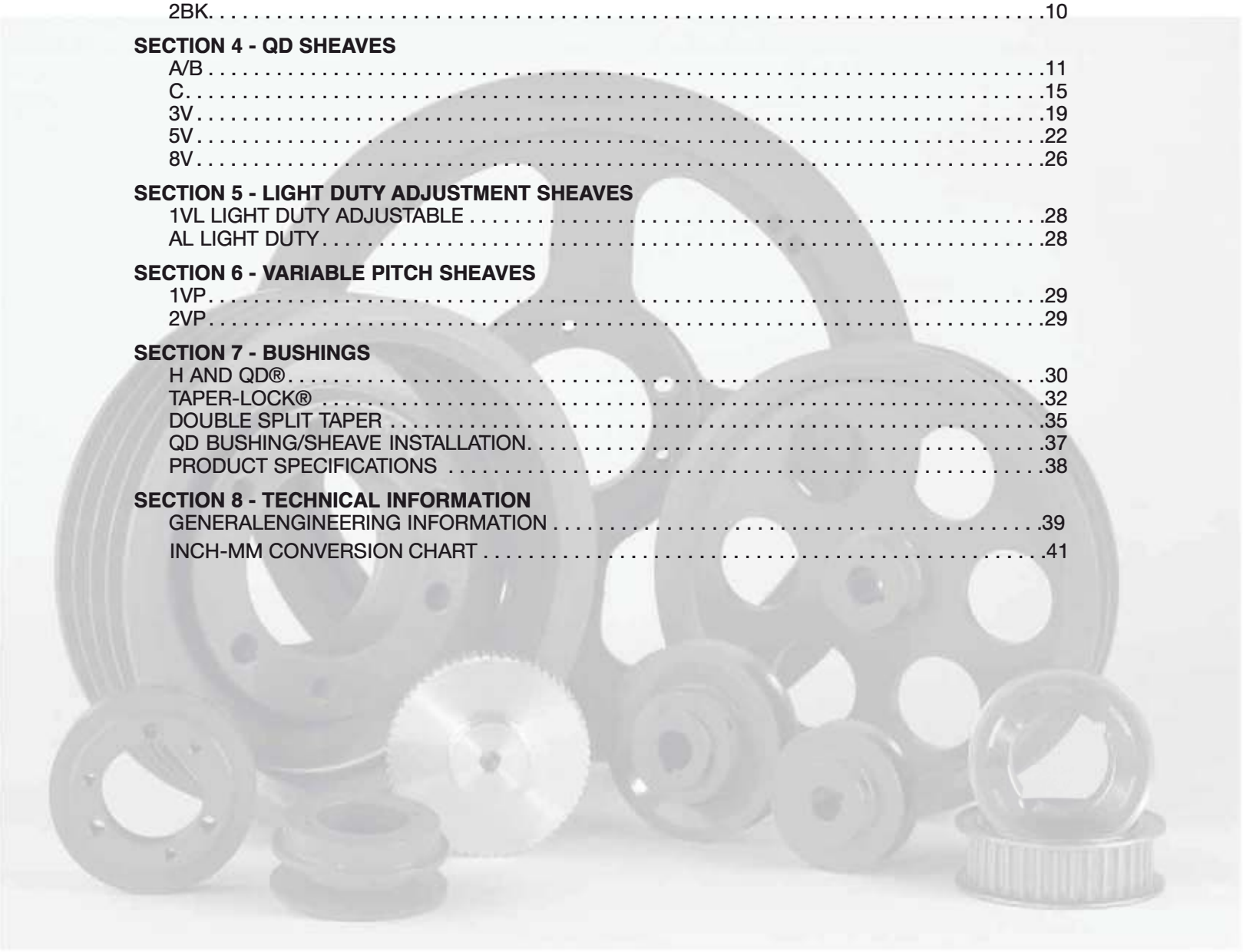
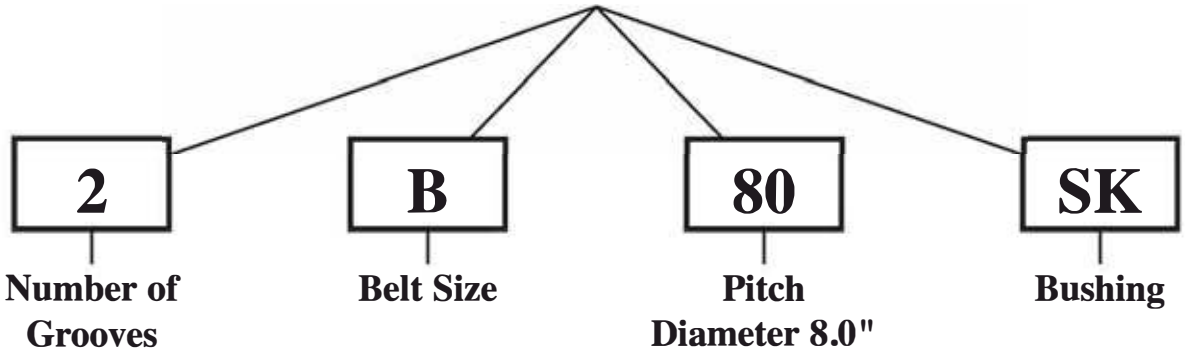


QD is a registered trademark of Emerson Electric
Taper-Lock and TL are registered trademarks of Reliance Electric

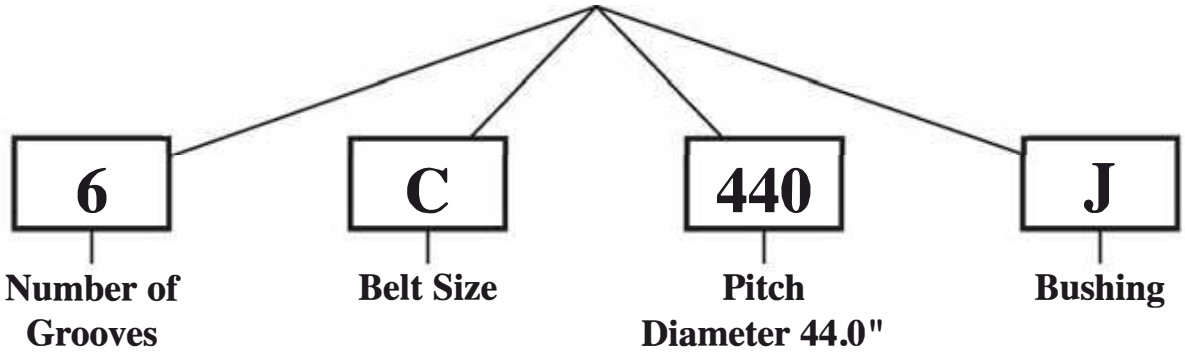
A–B QD Sheaves

2B 80 SK



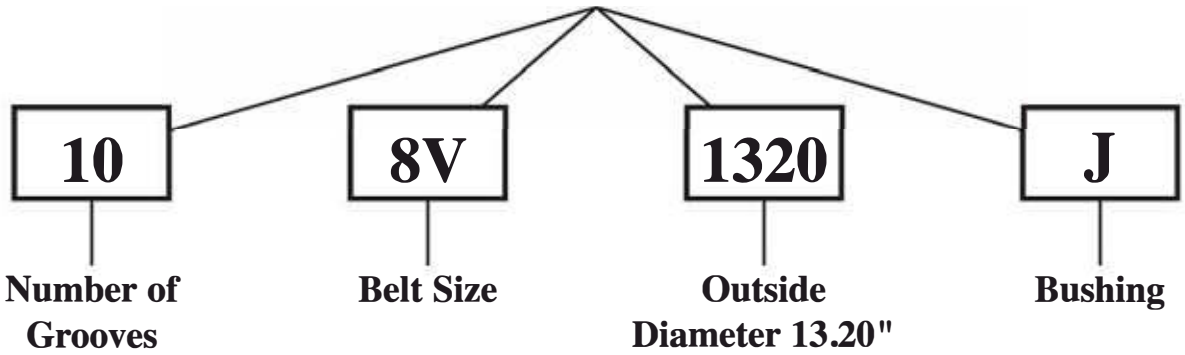
C QD Sheaves

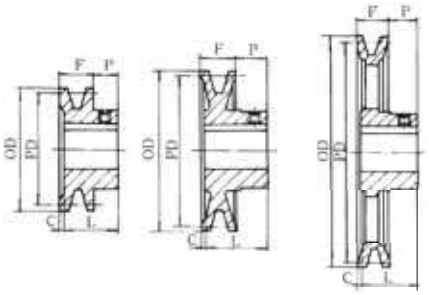
6C 440 J



3V, 5V, & 8V QD Sheaves

10-8V 1320 J





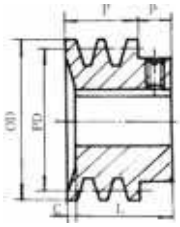
TYPE 1 TYPE 2 TYPE 3

Single Groove Sheaves for "3L" "4L" & "A" Belts

Part No.	Diameters (in.) O.D.	Pitch "3L"	Pitch "4L+A"	Type	Dimensions (in.) F	L	P	C	Stock Bores (in.)
AK17	1.75	1.16	1.50	1	21/32	15/16	7/16	5/32	1/2, 5/8
AK20	2.00	1.46	1.80	1	21/32	15/16	7/16	5/32	1/2, 5/8, 3/4
AK21	2.10	1.56	1.90	1	21/32	15/16	7/16	5/32	1/2, 5/8, 3/4
AK22	2.20	1.66	2.00	1	21/32	15/16	7/16	5/32	1/2, 5/8, 3/4
AK23	2.30	1.76	2.10	1	21/32	15/16	7/16	5/32	1/2, 5/8, 3/4, 7/8
AK25	2.50	1.96	2.30	2	21/32	15/16	7/16	5/32	1/2, 5/8, 3/4, 7/8, 1
AK26	2.60	2.06	2.40	2	21/32	15/16	7/16	5/32	1/2, 5/8, 3/4
AK27	2.70	2.16	2.50	2	21/32	15/16	7/16	5/32	1/2, 5/8, 3/4
AK28	2.80	2.26	2.60	2	21/32	15/16	7/16	5/32	1/2, 5/8, 3/4, 7/8, 1
AK30	3.05	2.46	2.80	2	21/32	15/16	7/16	5/32	1/2, 5/8, 3/4, 7/8, 1
AK32	3.25	2.66	3.00	2	21/32	15/16	7/16	5/32	1/2, 5/8, 3/4, 7/8, 1, 1 1/8
AK34	3.45	2.86	3.20	2	21/32	15/16	7/16	5/32	1/2, 5/8, 3/4, 7/8, 1, 1 1/8
AK39	3.75	3.16	3.50	2	3/4	1 5/32	15/32	1/16	1/2, 5/8, 3/4, 7/8, 15/16, 1, 1 1/8
AK41	3.95	3.36	3.70	2	3/4	1 5/32	15/32	1/16	1/2, 5/8, 3/4, 7/8, 15/16, 1
AK44	4.25	3.66	4.00	3	3/4	1 5/32	15/32	1/16	1/2, 5/8, 3/4, 7/8, 15/16, 1, 1 1/8
AK46	4.45	3.86	4.20	3	3/4	1 5/32	15/32	1/16	1/2, 5/8, 3/4, 7/8, 15/16, 1, 1 1/8
AK49	4.75	4.16	4.50	3	3/4	1 5/32	15/32	1/16	1/2, 5/8, 3/4, 7/8, 15/16, 1, 1 1/8
AK51	4.95	4.36	4.70	3	3/4	1 5/32	15/32	1/16	1/2, 5/8, 3/4, 7/8, 1, 1 1/8
AK54	5.25	4.66	5.00	3	3/4	1 5/32	15/32	1/16	1/2, 5/8, 3/4, 7/8, 15/16, 1, 1 1/8, 1 3/16
AK56	5.45	4.86	5.20	3	3/4	1 5/32	15/32	1/16	1/2, 5/8, 3/4, 7/8, 15/16, 1, 1 1/8, 1 3/16
AK59	5.75	5.16	5.50	3	3/4	1 5/32	15/32	1/16	1/2, 5/8, 3/4, 7/8, 15/16, 1, 1 1/8, 1 3/16
AK61	5.95	5.36	5.70	3	3/4	1 5/32	15/32	1/16	1/2, 5/8, 3/4, 7/8, 15/16, 1, 1 1/8, 1 3/16
AK64	6.25	5.66	6.00	3	3/4	1 5/32	15/32	1/16	1/2, 5/8, 3/4, 7/8, 15/16, 1, 1 1/8, 1 3/16
AK66	6.45	5.86	6.20	3	3/4	1 5/32	15/32	1/16	1/2, 5/8, 3/4, 1, 1 1/8
AK69	6.75	6.16	6.50	3	3/4	1 15/32	23/32	0	3/4, 1, 1 1/8
AK71	6.95	6.36	6.70	3	3/4	1 15/32	23/32	0	1/2, 5/8, 3/4, 1, 1 1/8, 1 7/16
AK74	7.25	6.66	7.00	3	3/4	1 15/32	23/32	0	1/2, 5/8, 3/4, 15/16, 1, 1 1/8, 1 3/16, 1 1/4, 1 7/16
AK79	7.75	7.16	7.50	3	3/4	1 15/32	23/32	0	3/4, 1, 1 1/8, 1 7/16
AK84	8.25	7.66	8.00	3	3/4	1 15/32	23/32	0	1/2, 5/8, 3/4, 15/16, 1, 1 3/16, 1 7/16
AK89	8.75	8.16	8.50	3	3/4	1 15/32	23/32	0	3/4, 1, 1 1/8, 1 7/16
AK94	9.25	8.66	9.00	3	3/4	1 15/32	23/32	0	1/2, 5/8, 3/4, 15/16, 1, 1 3/16, 1 1/4, 1 7/16
AK99	9.75	9.16	9.50	3	3/4	1 15/32	23/32	0	3/4, 1, 1 7/16
AK104	10.25	9.66	10.00	3	3/4	1 15/32	23/32	0	5/8, 3/4, 1, 1 3/16, 1 1/4, 1 3/8, 1 7/16
AK109	10.75	10.16	10.50	3	3/4	1 15/32	23/32	0	3/4, 1, 1 3/8, 1 7/16
AK114	11.25	10.66	11.00	3	3/4	1 15/32	23/32	0	3/4, 1, 1 3/16, 1 7/16
AK124	12.25	11.66	12.00	3	3/4	1 15/32	23/32	0	5/8, 3/4, 1, 1 3/16, 1 1/4, 1 7/16
AK134	13.25	12.66	13.00	3	3/4	1 15/32	23/32	0	3/4, 1, 1 3/16, 1 3/8, 1 7/16
AK144	14.25	13.66	14.00	3	3/4	1 15/32	23/32	0	3/4, 1, 1 3/16, 1 7/16
AK154	15.25	14.66	15.00	3	3/4	1 15/32	23/32	0	3/4, 1, 1 3/16, 1 3/8, 1 7/16
AK184	18.25	17.66	18.00	3	3/4	1 15/32	23/32	0	3/4, 1, 1 3/16, 1 7/16

Standard Keyseats	
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	1/4 x 5/32
1 7/16 – 1 3/4	3/8 x 3/16

AK Sheaves are precision machined from gray cast iron, statically balanced, painted with baked enamel finish and individually packaged. Sheaves are furnished with standard keyways & set screws.



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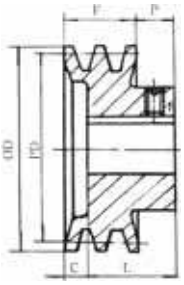

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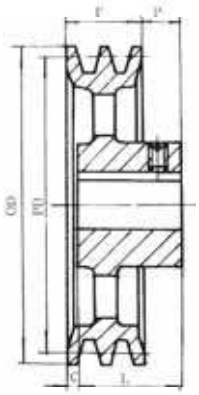


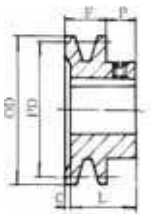
TYPE 3

Two Groove Sheaves For "3L" "4L" & "A" Belts

Part No.	Diameters (in.) O.D.	Pitch "3L"	Pitch "4L+A"	Type	Dimensions (in.) F	L	P	C	Stock Bores (in.)
2AK20	2.00	1.46	1.80	1	1 3/8	1 21/32	15/32	3/16	1/2, 5/8, 3/4, 7/8
2AK21	2.15	1.56	1.90	1	1 3/8	1 21/32	15/32	3/16	1/2, 5/8, 3/4
2AK22	2.25	1.66	2.00	1	1 3/8	1 21/32	15/32	3/16	1/2, 5/8, 3/4, 7/8
2AK23	2.35	1.76	2.10	1	1 3/8	1 21/32	15/32	3/16	5/8, 3/4, 7/8, 1
2AK25	2.55	1.96	2.30	1	1 3/8	1 21/32	15/32	3/16	5/8, 3/4, 7/8, 1
2AK26	2.65	2.06	2.40	1	1 3/8	1 21/32	15/32	3/16	5/8, 3/4, 7/8, 1
2AK27	2.75	2.16	2.50	1	1 3/8	1 21/32	15/32	3/16	5/8, 3/4, 7/8, 1
2AK28	2.85	2.26	2.60	1	1 3/8	1 21/32	15/32	3/16	5/8, 3/4, 7/8, 1
2AK30	3.05	2.46	2.80	1	1 3/8	1 21/32	15/32	3/16	1/2, 5/8, 3/4, 7/8, 1, 1 1/8
2AK32	3.25	2.66	3.00	1	1 3/8	1 21/32	15/32	3/16	1/2, 5/8, 3/4, 7/8, 1, 1 1/8
2AK34	3.45	2.86	3.20	1	1 3/8	1 21/32	15/32	3/16	1/2, 5/8, 3/4, 7/8, 1, 1 1/8
2AK39	3.75	3.16	3.50	2	1 3/8	1 11/32	15/32	1/2	1/2, 5/8, 3/4, 7/8, 1, 1 1/8
2AK41	3.95	3.36	3.70	2	1 3/8	1 11/32	15/32	1/2	5/8, 3/4, 7/8, 1, 1 1/8
2AK44	4.25	3.66	4.00	2	1 3/8	1 11/32	15/32	1/2	5/8, 3/4, 7/8, 1, 1 1/8
2AK46	4.45	3.86	4.20	2	1 3/8	1 11/32	15/32	1/2	7/8, 1, 1 1/8
2AK49	4.75	4.16	4.50	2	1 3/8	1 11/32	15/32	1/2	3/4, 7/8, 1, 1 1/8, 1 3/8
2AK51	4.95	4.36	4.70	2	1 3/8	1 11/32	15/32	1/2	3/4, 7/8, 1, 1 1/8, 1 3/8
2AK54	5.25	4.66	5.00	3	1 3/8	1 11/32	15/32	1/2	5/8, 3/4, 7/8, 1, 1 1/8, 1 3/8
2AK56	5.45	4.86	5.20	3	1 3/8	1 11/32	15/32	1/2	5/8, 3/4, 7/8, 1, 1 1/8, 1 3/8
2AK59	5.75	5.16	5.50	3	1 3/8	1 11/32	15/32	1/2	1, 1 1/8, 1 3/8
2AK61	5.95	5.36	5.70	3	1 3/8	1 11/32	15/32	1/2	3/4, 7/8, 1, 1 1/8, 1 3/8
2AK64	6.25	5.66	6.00	3	1 3/8	1 19/32	11/32	1/8	3/4, 1, 1 1/8, 1 3/16, 1 3/8, 1 7/16
2AK74	7.25	6.66	7.00	3	1 3/8	1 19/32	11/32	1/8	3/4, 1, 1 1/8, 1 3/16, 1 3/8, 1 7/16
2AK84	8.25	7.66	8.00	3	1 3/8	1 19/32	11/32	1/8	3/4, 15/16, 1, 1 1/8, 1 3/16, 1 3/8, 1 7/16
2AK94	9.25	8.66	9.00	3	1 3/8	1 19/32	11/32	1/8	3/4, 1, 1 1/8, 1 3/16, 1 3/8, 1 7/16
2AK104	10.25	9.66	10.00	3	1 3/8	1 19/32	11/32	1/8	3/4, 15/16, 1, 1 7/16
2AK114	11.25	10.66	11.00	3	1 3/8	1 19/32	11/32	1/8	3/4, 1, 1 3/16, 1 3/8, 1 7/16
2AK124	12.25	11.66	12.00	3	1 3/8	1 19/32	11/32	1/8	3/4, 1, 1 3/16, 1 7/16
2AK134	13.25	12.66	13.00	3	1 3/8	1 19/32	11/32	1/8	1 3/16, 1 7/16
2AK144	14.25	13.66	14.00	3	1 3/8	1 19/32	11/32	1/8	1, 1 7/16
2AK154	15.25	14.66	15.00	3	1 3/8	1 19/32	11/32	1/8	1 3/16, 1 7/16
2AK184	18.25	17.66	18.00	3	1 3/8	1 19/32	11/32	1/8	1 3/16, 1 7/16

Standard Keyseats	
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

2AK Sheaves are precision machined from gray cast iron, statically balanced, painted with baked enamel finish and individually packaged. Sheaves are furnished with standard keyways & set screws.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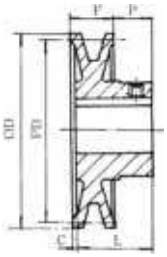
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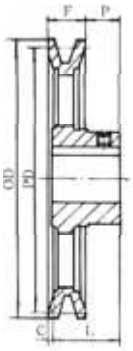

TYPE 3

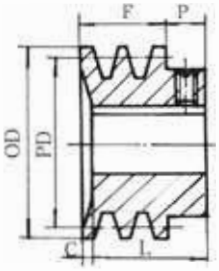
Single Groove Sheaves for "4L" "5L" & "B" Belts

Part No.	Diameters (in.) O.D.	Pitch "4L"	Pitch "5L+B"	Type	Dimensions (in.) F	L	P	C	Stock Bores (in.)
BK24	2.40	1.80	2.20	1	13/16	1 1/16	13/32	5/32	1/2, 5/8, 3/4, 7/8
BK25	2.50	1.90	2.30	1	13/16	1 1/16	13/32	5/32	1/2, 5/8, 3/4, 7/8, 1
BK26	2.60	2.00	2.40	1	13/16	1 1/16	13/32	5/32	1/2, 5/8, 3/4, 7/8
BK27	2.70	2.10	2.50	2	13/16	1 1/16	13/32	5/32	1/2, 5/8, 3/4, 7/8, 1
BK28	2.95	2.20	2.60	2	13/16	1 1/16	13/32	5/32	1/2, 5/8, 3/4, 7/8, 1, 1 1/8
BK30	3.15	2.40	2.80	2	13/16	1 1/16	13/32	5/32	1/2, 5/8, 3/4, 7/8, 1
BK32	3.35	2.60	3.00	2	13/16	1 1/16	13/32	5/32	1/2, 5/8, 3/4, 7/8
BK34	3.55	2.80	3.20	2	7/8	1 5/32	13/32	1/8	1/2, 5/8, 3/4, 7/8, 1, 1 1/8
BK36	3.75	3.00	3.40	2	7/8	1 5/32	13/32	1/8	1/2, 5/8, 3/4, 7/8, 1, 1 1/8
BK40	3.95	3.20	3.60	2	7/8	1 5/32	13/32	1/8	1/2, 5/8, 3/4, 7/8, 1, 1 1/8
BK45	4.25	3.50	3.90	2	7/8	1 5/32	13/32	1/8	1/2, 5/8, 3/4, 7/8, 1, 1 1/8
BK47	4.45	3.70	4.10	2	7/8	1 5/32	13/32	1/8	1/2, 5/8, 3/4, 7/8, 1, 1 1/8
BK50	4.75	4.00	4.40	3	7/8	1 5/32	13/32	1/8	1/2, 5/8, 3/4, 7/8, 1, 1 1/8
BK52	4.95	4.20	4.60	3	7/8	1 5/32	13/32	1/8	1/2, 5/8, 3/4, 7/8, 1, 1 1/8
BK55	5.25	4.50	4.90	3	7/8	1 5/32	13/32	1/8	1/2, 5/8, 3/4, 7/8, 1, 1 1/8, 1 3/16
BK57	5.45	4.70	5.10	3	7/8	1 5/32	13/32	1/8	5/8, 3/4, 7/8, 15/16, 1, 1 1/8
BK60	5.75	5.00	5.40	3	7/8	1 5/32	13/32	1/8	1/2, 5/8, 3/4, 7/8, 1, 1 1/8, 1 3/16
BK62	5.95	5.20	5.60	3	7/8	1 5/32	13/32	1/8	1/2, 5/8, 3/4, 7/8, 15/16, 1, 1 1/8, 1 3/16
BK65	6.25	5.50	5.90	3	7/8	1 5/32	13/32	1/8	5/8, 3/4, 1, 1 1/8
BK67	6.45	5.70	6.10	3	7/8	1 5/32	13/32	1/8	5/8, 3/4, 1, 1 1/8
BK70	6.75	6.00	6.40	3	7/8	1 15/32	21/32	1/16	5/8, 3/4, 7/8, 15/16, 1, 1 1/8, 1 3/16, 1 7/16
BK72	6.95	6.20	6.60	3	7/8	1 15/32	21/32	1/16	3/4, 1, 1 1/8, 1 3/8
BK75	7.25	6.50	6.90	3	7/8	1 15/32	21/32	1/16	3/4, 1, 1 1/8, 1 3/8
BK77	7.45	6.70	7.10	3	7/8	1 15/32	21/32	1/16	3/4, 1, 1 1/8, 1 3/8
BK80	7.75	7.00	7.40	3	7/8	1 15/32	21/32	1/16	5/8, 3/4, 7/8, 1, 1 1/8, 1 3/16, 1 1/4, 1 3/8, 1 7/16
BK85	8.25	7.50	7.90	3	7/8	1 15/32	21/32	1/16	3/4, 1, 1 1/8, 1 3/8, 1 7/16
BK90	8.75	8.00	8.40	3	7/8	1 15/32	21/32	1/16	3/4, 7/8, 15/16, 1, 1 1/8, 1 3/16, 1 3/8, 1 7/16
BK95	9.25	8.50	8.90	3	7/8	1 15/32	21/32	1/16	3/4, 1, 1 1/8, 1 3/8, 1 7/16
BK100	9.75	9.00	9.40	3	7/8	1 15/32	21/32	1/16	3/4, 7/8, 15/16, 1, 1 1/8, 1 3/16, 1 1/4, 1 3/8, 1 7/16
BK105	10.25	9.50	9.90	3	7/8	1 15/32	21/32	1/16	1, 1 3/8, 1 7/16
BK110	10.75	10.00	10.40	3	7/8	1 15/32	21/32	1/16	3/4, 1, 1 1/8, 1 3/16, 1 3/8, 1 7/16
BK115	11.25	10.50	10.90	3	7/8	1 15/32	21/32	1/16	1, 1 3/8, 1 7/16
BK120	11.75	11.00	11.40	3	7/8	1 15/32	21/32	1/16	3/4, 1, 1 3/16, 1 1/4, 1 3/8, 1 7/16
BK130	12.75	12.00	12.40	3	7/8	1 15/32	21/32	1/16	3/4, 1, 1 1/8, 1 3/16, 1 1/4, 1 7/16
BK140	13.75	13.00	13.40	3	7/8	1 15/32	21/32	1/16	3/4, 1, 1 3/16, 1 7/16
BK160	15.75	15.00	15.40	3	7/8	1 15/32	21/32	1/16	1, 1 1/8, 1 3/16, 1 1/4, 1 7/16
BK190	18.75	18.00	18.40	3	7/8	1 15/32	21/32	1/16	1, 1 3/16, 1 1/4, 1 7/16

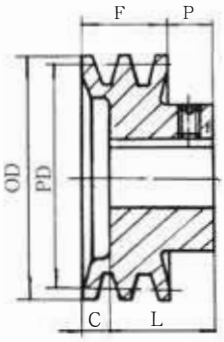
Standard Keyseats	
Bore-Range	Keyseat
1/2	None
5/8 – 7/8	3/16 x 3/32
15/16 – 1 1/4	1/4 x 1/8
1 5/16 – 1 3/8	5/16 x 5/32
1 7/16 – 1 3/4	3/8 x 3/16

BK Sheaves are precision machined from gray cast iron, statically balanced, painted with baked enamel finish and individually packaged. Sheaves are furnished with standard keyways & set screws.

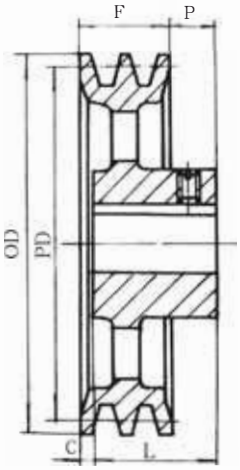
Two Groove Sheaves for “4L” “5L” “A” & “B” Belts



TYPE 1



TYPE 2

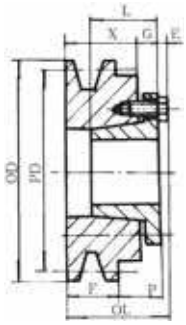


TYPE 3

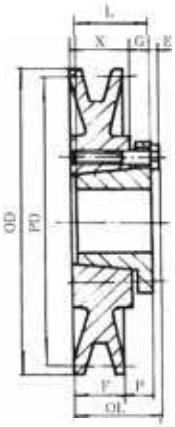
Part No.	Diameters (in.) O.D.	Pitch “4L+A”	Pitch “5L+B”	Type	Dimensions (in.) F	L	P	C	Stock Bores (in.)
2BK25	2.50	1.90	2.30	1	1 3/4	1 31/32	15/32	1/4	1/2, 5/8, 3/4, 7/8
2BK27	2.70	2.10	2.50	1	1 3/4	1 31/32	15/32	1/4	1/2, 5/8, 3/4, 7/8, 1, 1 1/8
2BK28	2.95	2.20	2.60	1	1 3/4	1 31/32	15/32	1/4	1/2, 5/8, 3/4, 7/8, 1, 1 1/8
2BK30	3.15	2.40	2.80	1	1 3/4	1 31/32	15/32	1/4	1/2, 5/8, 3/4, 7/8, 1, 1 1/8, 1 3/8
2BK32	3.35	2.60	3.00	1	1 3/4	1 31/32	15/32	1/4	5/8, 3/4, 7/8, 1, 1 1/8
2BK34	3.55	2.80	3.20	1	1 3/4	1 31/32	15/32	1/4	5/8, 3/4, 7/8, 1, 1 1/8
2BK36	3.75	3.00	3.40	1	1 3/4	1 31/32	15/32	1/4	3/4, 7/8, 1, 1 1/8, 1 3/8
2BK40	3.95	3.20	3.60	2	1 3/4	1 15/32	15/32	3/4	5/8, 3/4, 7/8, 1, 1 1/8
2BK45	4.25	3.50	3.90	2	1 3/4	1 15/32	15/32	3/4	1, 1 1/8, 1 3/8
2BK47	4.45	3.70	4.10	2	1 3/4	1 15/32	15/32	3/4	7/8, 1, 1 1/8, 1 3/8
2BK50	4.75	4.00	4.40	2	1 3/4	1 15/32	15/32	3/4	3/4, 1, 1 1/8, 1 3/8
2BK52	4.95	4.20	4.60	2	1 3/4	1 15/32	15/32	3/4	5/8, 7/8, 1, 1 1/8, 1 3/8
2BK55	5.25	4.50	4.90	2	1 3/4	1 15/32	15/32	3/4	1 1/8, 1 3/8
2BK57	5.45	4.70	5.10	2	1 3/4	1 15/32	15/32	3/4	1, 1 1/8, 1 3/8
2BK60	5.75	5.00	5.40	3	1 3/4	1 15/32	15/32	3/4	3/4, 7/8, 1, 1 1/8, 1 3/8
2BK62	5.95	5.20	5.60	3	1 3/4	1 15/32	15/32	3/4	1, 1 1/8
2BK65	6.25	5.50	5.90	3	1 3/4	1 15/32	15/32	3/4	1, 1 1/8, 1 3/8
2BK67	6.45	5.70	6.10	3	1 3/4	1 15/32	15/32	3/4	1, 1 1/8, 1 3/8
2BK70	6.75	6.00	6.40	3	1 3/4	1 19/32	11/32	1/2	3/4, 1, 1 1/8, 1 3/16, 1 3/8, 1 7/16
2BK80	7.75	7.00	7.40	3	1 3/4	1 19/32	11/32	1/2	3/4, 1, 1 1/8, 1 3/16, 1 3/8, 1 7/16
2BK90	8.75	8.00	8.40	3	1 3/4	1 19/32	11/32	1/2	3/4, 1, 1 1/8, 1 3/16, 1 3/8, 1 7/16
2BK100	9.75	9.00	9.40	3	1 3/4	1 19/32	11/32	1/2	3/4, 1, 1 3/16, 1 3/8, 1 7/16
2BK110	10.75	10.00	10.40	3	1 3/4	1 19/32	11/32	1/2	1, 1 3/16, 1 7/16
2BK120	11.75	11.00	11.40	3	1 3/4	1 19/32	11/32	1/2	1, 1 3/16, 1 7/16
2BK130	12.75	12.00	12.40	3	1 3/4	1 19/32	11/32	1/2	1, 1 3/16, 1 7/16
2BK140	13.75	13.00	13.40	3	1 3/4	1 19/32	11/32	1/2	1, 1 3/16, 1 7/16
2BK160	15.75	15.00	15.40	3	1 3/4	1 19/32	11/32	1/2	1, 1 3/16, 1 7/16
2BK190	18.75	18.00	18.40	3	1 3/4	1 19/32	11/32	1/2	1 3/16, 1 1/4, 1 7/16

Standard Keyseats	
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

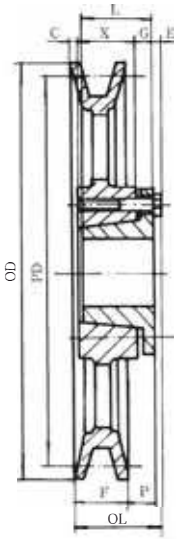
2BK Sheaves are precision machined from gray cast iron, statically balanced, painted with baked enamel finish and individually packaged. Sheaves are furnished with standard keyways & set screws.



TYPE 1



TYPE 2



TYPE 3

Single Groove Sheaves for "3L" "4L" & "A" Belts

For All Sheaves:
F = ¾
L = 1¼
G = 7/16
E = 3/16

Part No.	Diameters (in.) O.D.	Pitch "3L"	Pitch "4L+A"	Type	Dimensions (in.) O.L.	P	X
AK30H	3.05	2.46	2.80	1	1 13/16	⅞	1 3/16
AK32H	3.25	2.66	3.00	1	1 13/16	⅞	1 3/16
AK34H	3.45	2.86	3.20	2	1½	9/16	⅞
AK39H	3.75	3.16	3.50	2	1½	9/16	⅞
AK41H	3.95	3.36	3.70	2	1½	9/16	⅞
AK44H	4.25	3.66	4.00	2	1½	9/16	⅞
AK46H	4.45	3.86	4.20	2	1½	9/16	⅞
AK49H	4.75	4.16	4.50	2	1½	9/16	⅞
AK51H	4.95	4.36	4.70	2	1½	9/16	⅞
AK54H	5.25	4.66	5.00	2	1½	9/16	⅞
AK56H	5.45	4.86	5.20	2	1½	9/16	⅞
AK59H	5.75	5.16	5.50	2	1½	9/16	⅞
AK61H	5.95	5.36	5.70	3	1½	9/16	⅞
AK64H	6.25	5.66	6.00	3	1½	9/16	⅞
AK66H	6.45	5.86	6.20	3	1½	9/16	⅞
AK69H	6.75	6.16	6.50	3	1½	9/16	⅞
AK71H	6.95	6.36	6.70	3	1½	9/16	⅞
AK74H	7.25	6.66	7.00	3	1½	9/16	⅞
AK79H	7.75	7.16	7.50	3	1½	9/16	⅞
AK84H	8.25	7.66	8.00	3	1½	9/16	⅞
AK89H	8.75	8.16	8.50	3	1½	9/16	⅞
AK94H	9.25	8.66	9.00	3	1½	9/16	⅞
AK99H	9.75	9.16	9.50	3	1½	9/16	⅞
AK104H	10.25	9.66	10.00	3	1½	9/16	⅞
AK109H	10.75	10.16	10.50	3	1½	9/16	⅞
AK114H	11.25	10.66	11.00	3	1½	9/16	⅞
AK124H	12.25	11.66	12.00	3	1½	9/16	⅞
AK134H	13.25	12.66	13.00	3	1½	9/16	⅞
AK144H	14.25	13.66	14.00	3	1½	9/16	⅞
AK154H	15.25	14.66	15.00	3	1½	9/16	⅞
AK184H	18.25	17.66	18.00	3	1½	9/16	⅞

Stock H Bushings

Stock Bores	Keyseat
⅜	None
7/16	None
½	⅛ x 1/16
9/16	⅛ x 1/16
⅝	3/16 x 3/32
11/16	3/16 x 3/32
¾	3/16 x 3/32
13/16	3/16 x 3/32
⅞	3/16 x 3/32
15/16	¼ x ⅛
1	¼ x ⅛
1 1/16	¼ x ⅛
1 ⅛	¼ x ⅛
1 3/16	¼ x ⅛
1 ¼	¼ x ⅛
1 5/16	5/16 x 1/16*
1 ⅜	5/16 x 1/16*
1 7/16	⅜ x 1/16*
1 ½	⅜ x 1/16*

* Indicates shallow keyseat—keystock is supplied with bushing.

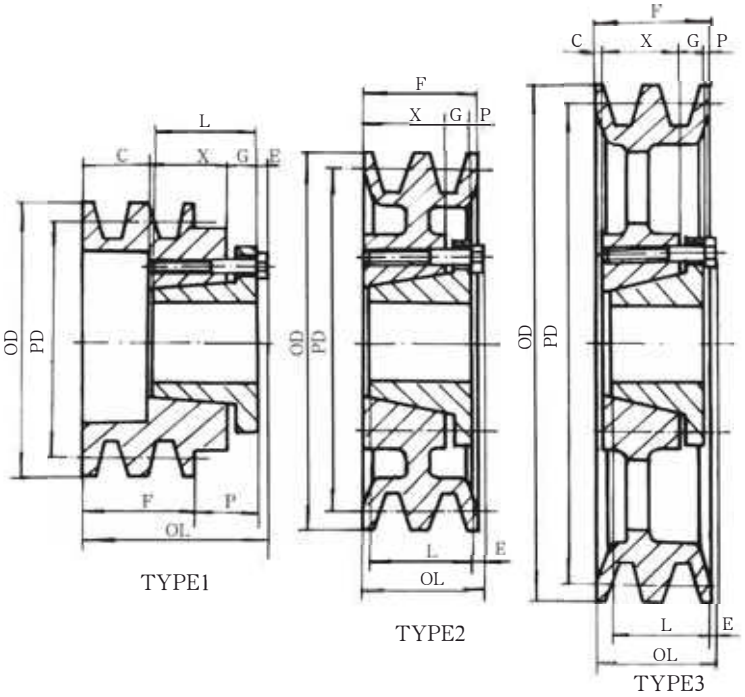
Millimeter Bores

Bore Range	Keyseat
10 mm	None
11 mm	None
14 mm	5 mm x 5 mm
15 mm	5 mm x 5 mm
16 mm	5 mm x 5 mm
18 mm	6 mm x 6 mm
19 mm	6 mm x 6 mm
20 mm	6 mm x 6 mm
22 mm	6 mm x 6 mm
24 mm	8 mm x 7 mm
25 mm	8 mm x 7 mm
28 mm	8 mm x 7 mm
30 mm	8 mm x 7 mm
32 mm	10 mm x 7 mm
35 mm	10 mm x 7 mm
38 mm	10 mm x 7 mm

AKH Sheaves are precision machined from gray cast iron, statically balanced, painted with baked enamel finish and individually packaged.

Note: Cast iron sheaves may not exceed 6,500 FPM. This speed does not specify if dynamic balancing (2 plane) is required. Contact customer service to verify whether dynamic balancing is required.

Two Groove Sheaves for “3L” “4L” & “A” Belts



For All Sheaves:
F = 1¾
L = 1¼
X = ⅞
G = 7⁄16
E = 3⁄16

Part No.	Diameters (in.) O.D.	Pitch “3L”	Pitch “4L+A”	Type	Dimensions (in.) O.L.	P	C
2AK30H	3.05	2.46	2.80	1	2 7⁄16	⅞	15⁄16
2AK32H	3.25	2.66	3.00	1	2 7⁄16	⅞	15⁄16
2AK34H	3.45	2.86	3.20	1	2	7⁄16	½
2AK39H	3.75	3.16	3.50	1	2	7⁄16	½
2AK41H	3.95	3.36	3.70	2	1½	1⁄16	–
2AK44H	4.25	3.66	4.00	2	1½	1⁄16	–
2AK46H	4.45	3.86	4.20	2	1½	1⁄16	–
2AK49H	4.75	4.16	4.50	2	1½	1⁄16	–
2AK51H	4.95	4.36	4.70	2	1½	1⁄16	–
2AK54H	5.25	4.66	5.00	2	1½	1⁄16	–
2AK56H	5.45	4.86	5.20	2	1½	1⁄16	–
2AK59H	5.75	5.16	5.50	3	1½	1⁄16	–
2AK61H	5.95	5.36	5.70	3	1½	1⁄16	–
2AK64H	6.25	5.66	6.00	3	1½	1⁄16	–
2AK74H	7.25	6.66	7.00	3	1½	1⁄16	–
2AK84H	8.25	7.66	8.00	3	1½	1⁄16	–
2AK94H	9.25	8.66	9.00	3	1½	1⁄16	–
2AK104H	10.25	9.66	10.00	3	1½	1⁄16	–
2AK114H	11.25	10.66	11.00	3	1½	1⁄16	–
2AK124H	12.25	11.66	12.00	3	1½	1⁄16	–
2AK134H	13.25	12.66	13.00	3	1½	1⁄16	–
2AK144H	14.25	13.66	14.00	3	1½	1⁄16	–
2AK154H	15.25	14.66	15.00	3	1½	1⁄16	–
2AK184H	18.25	17.66	18.00	3	1½	1⁄16	–

Stock H Bushings

Stock Bores	Keyseat
⅜	None
7⁄16	None
½	⅛ x 1⁄16
9⁄16	⅛ x 1⁄16
⅝	3⁄16 x 3⁄32
11⁄16	3⁄16 x 3⁄32
¾	3⁄16 x 3⁄32
13⁄16	3⁄16 x 3⁄32
⅞	3⁄16 x 3⁄32
15⁄16	¼ x ⅛
1	¼ x ⅛
1 1⁄16	¼ x ⅛
1 ⅛	¼ x ⅛
1 3⁄16	¼ x ⅛
1 ¼	¼ x ⅛
1 5⁄16	5⁄16 x 1⁄16*
1 ⅜	5⁄16 x 1⁄16*
1 7⁄16	⅜ x 1⁄16*
1 ½	⅜ x 1⁄16*

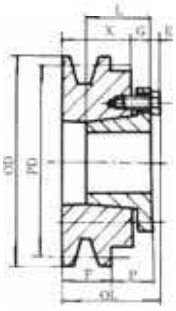
* Indicates shallow keyseat—keystock is supplied with bushing.

Millimeter Bores

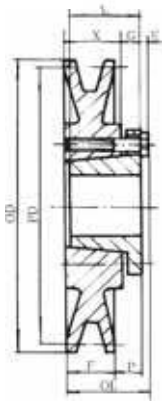
Bore Range	Keyseat
10 mm	None
11 mm	None
14 mm	5 mm x 5 mm
15 mm	5 mm x 5 mm
16 mm	5 mm x 5 mm
18 mm	6 mm x 6 mm
19 mm	6 mm x 6 mm
20 mm	6 mm x 6 mm
22 mm	6 mm x 6 mm
24 mm	8 mm x 7 mm
25 mm	8 mm x 7 mm
28 mm	8 mm x 7 mm
30 mm	8 mm x 7 mm
32 mm	10 mm x 7 mm
35 mm	10 mm x 7 mm
38 mm	10 mm x 7 mm

Stock H bushings and metric bores on pages 35-36.
2AKH Sheaves are precision machined from gray cast iron, statically balanced, painted with baked enamel finish and individually packaged.

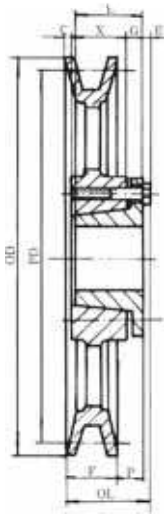
Note: Cast iron sheaves may not exceed 6,500 FPM. This speed does not specify if dynamic balancing (2 plane) is required. Contact customer service to verify whether dynamic balancing is required.



TYPE 1



TYPE 2



TYPE 3

Single Groove Sheaves for "4L" "5L" "A" & "B"Belts

For All Sheaves:
F = 7/8
L = 1 1/4
G = 7/16
E = 3/16

Part No.	Diameters (in.) O.D.	Pitch "4L+A"	Pitch "5L+B"	Type	Dimensions (in.) O.L.	P	C	X
BK30H	3.15	2.40	2.80	1	1 15/16	7/8	–	15/16
BK32H	3.35	2.60	3.00	1	1 15/16	7/8	–	15/16
BK34H	3.55	2.80	3.20	1	1 15/16	7/8	–	15/16
BK36H	3.75	3.00	3.40	2	1 1/2	7/16	–	7/8
BK40H	3.95	3.20	3.60	2	1 1/2	7/16	–	7/8
BK45H	4.25	3.50	3.90	2	1 1/2	7/16	–	7/8
BK47H	4.45	3.70	4.10	2	1 1/2	7/16	–	7/8
BK50H	4.75	4.00	4.40	2	1 1/2	7/16	–	7/8
BK52H	4.95	4.20	4.60	2	1 1/2	7/16	–	7/8
BK55H	5.25	4.50	4.90	2	1 1/2	7/16	–	7/8
BK57H	5.45	4.70	5.10	2	1 1/2	7/16	–	7/8
BK60H	5.75	5.00	5.40	2	1 1/2	7/16	–	7/8
BK62H	5.95	5.20	5.60	2	1 1/2	7/16	–	7/8
BK65H	6.25	5.50	5.90	2	1 1/2	7/16	–	7/8
BK67H	6.45	5.70	6.10	2	1 1/2	7/16	–	7/8
BK70H	6.75	6.00	6.40	3	1 9/16	1/2	1/16	7/8
BK72H	6.95	6.20	6.60	3	1 9/16	1/2	1/16	7/8
BK75H	7.25	6.50	6.90	3	1 9/16	1/2	1/16	7/8
BK77H	7.45	6.70	7.10	3	1 9/16	1/2	1/16	7/8
BK80H	7.75	7.00	7.40	3	1 9/16	1/2	1/16	7/8
BK85H	8.25	7.50	7.90	3	1 9/16	1/2	1/16	7/8
BK90H	8.75	8.00	8.40	3	1 9/16	1/2	1/16	7/8
BK95H	9.25	8.50	8.90	3	1 9/16	1/2	1/16	7/8
BK100H	9.75	9.00	9.40	3	1 9/16	1/2	1/16	7/8
BK105H	10.25	9.50	9.90	3	1 9/16	1/2	1/16	7/8
BK110H	10.75	10.00	10.40	3	1 9/16	1/2	1/16	7/8
BK115H	11.25	10.50	10.90	3	1 9/16	1/2	1/16	7/8
BK120H	11.75	11.00	11.40	3	1 9/16	1/2	1/16	7/8
BK130H	12.75	12.00	12.40	3	1 9/16	1/2	1/16	7/8
BK140H	13.75	13.00	13.40	3	1 9/16	1/2	1/16	7/8
BK150H	14.75	14.00	14.40	3	1 9/16	1/2	1/16	7/8
BK160H	15.75	15.00	15.40	3	1 9/16	1/2	1/16	7/8
BK190H	18.75	18.00	18.40	3	1 9/16	1/2	1/16	7/8

Stock H Bushings

Stock Bores	Keyseat
3/8	None
7/16	None
1/2	1/8 x 1/16
9/16	1/8 x 1/16
5/8	3/16 x 3/32
11/16	3/16 x 3/32
3/4	3/16 x 3/32
13/16	3/16 x 3/32
7/8	3/16 x 3/32
15/16	1/4 x 1/8
1	1/4 x 1/8
1 1/16	1/4 x 1/8
1 1/8	1/4 x 1/8
1 3/16	1/4 x 1/8
1 1/4	1/4 x 1/8
1 5/16	5/16 x 1/16*
1 3/8	5/16 x 1/16*
1 7/16	3/8 x 1/16*
1 1/2	3/8 x 1/16*

* Indicates shallow keyseat—keystock is supplied with bushing.

Millimeter Bores

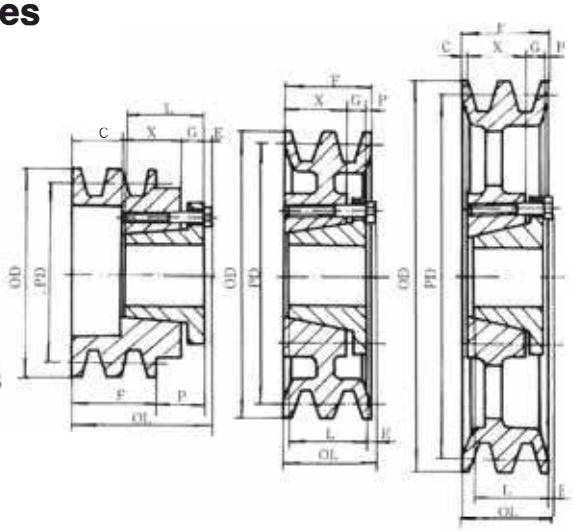
Bore Range	Keyseat
10 mm	None
11 mm	None
14 mm	5 mm x 5 mm
15 mm	5 mm x 5 mm
16 mm	5 mm x 5 mm
18 mm	6 mm x 6 mm
19 mm	6 mm x 6 mm
20 mm	6 mm x 6 mm
22 mm	6 mm x 6 mm
24 mm	8 mm x 7 mm
25 mm	8 mm x 7 mm
28 mm	8 mm x 7 mm
30 mm	8 mm x 7 mm
32 mm	10 mm x 7 mm
35 mm	10 mm x 7 mm
38 mm	10 mm x 7 mm

Stock H bushings and metric bores on pages 35-36.
BKH Sheaves are precision machined from gray cast iron, statically balanced, painted with baked enamel finish and individually packaged.

Note: Cast iron sheaves may not exceed 6,500 FPM. This speed does not specify if dynamic balancing (2 plane) is required. Contact customer service to verify whether dynamic balancing is required.

Two Groove Sheaves for "4L" "5L" "A" & "B"Belts

COMBINATION GROOVE



TYPE 1 TYPE 2 TYPE 3

For All Sheaves:
F = 1¾
L = 1¼
X = ⅞
G = 7/16
E = 3/16

Part No.	Diameters (in.) O.D.	Pitch "4L+A"	Pitch "5L+B"	Type	Dimensions (in.) O.L.	P	C
2BK32H	3.35	2.60	3.00	1	2 13/16	⅞	1 5/16
2BK34H	3.55	2.80	3.20	1	2 13/16	⅞	1 5/16
2BK36H	3.75	3.00	3.40	1	2⅜	7/16	⅞
2BK40H	3.95	3.20	3.60	1	2⅜	7/16	⅞
2BK45H	4.25	3.50	3.90	1	2⅜	7/16	⅞
2BK47H	4.45	3.70	4.10	2	1¾	7/16	–
2BK50H	4.75	4.00	4.40	2	1¾	7/16	–
2BK52H	4.95	4.20	4.60	2	1¾	7/16	–
2BK55H	5.25	4.50	4.90	2	1¾	7/16	–
2BK57H	5.45	4.70	5.10	2	1¾	7/16	–
2BK60H	5.75	5.00	5.40	2	1¾	7/16	–
2BK62H	5.95	5.20	5.60	2	1¾	7/16	–
2BK65H	6.25	5.50	5.90	3	1¾	7/16	¼
2BK67H	6.45	5.70	6.10	3	1¾	7/16	¼
2BK70H	6.75	6.00	6.40	3	1¾	7/16	¼
2BK80H	7.75	7.00	7.40	3	1¾	7/16	¼
2BK90H	8.75	8.00	8.40	3	1¾	7/16	¼
2BK100H	9.75	9.00	9.40	3	1¾	7/16	¼
2BK110H	10.75	10.00	10.40	3	1¾	7/16	¼
2BK120H	11.75	11.00	11.40	3	1¾	7/16	¼
2BK130H	12.75	12.00	12.40	3	1¾	7/16	¼
2BK140H	13.75	13.00	13.40	3	1¾	7/16	¼
2BK160H	15.75	15.00	15.40	3	1¾	7/16	¼
2BK190H	18.75	18.00	18.40	3	1¾	7/16	¼

Stock H Bushings

Stock Bores	Keyseat
⅜	None
7/16	None
½	⅛ x 1/16
9/16	⅛ x 1/16
⅝	3/16 x 3/32
11/16	3/16 x 3/32
¾	3/16 x 3/32
13/16	3/16 x 3/32
⅞	3/16 x 3/32
15/16	¼ x ⅛
1	¼ x ⅛
1 1/16	¼ x ⅛
1 ⅛	¼ x ⅛
1 3/16	¼ x ⅛
1 ¼	¼ x ⅛
1 5/16	5/16 x 1/16*
1 ⅜	5/16 x 1/16*
1 7/16	⅜ x 1/16*
1 ½	⅜ x 1/16*

* Indicates shallow keyseat—keystock is supplied with bushing.

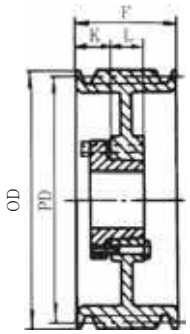
Millimeter Bores

Bore Range	Keyseat
10 mm	None
11 mm	None
14 mm	5 mm x 5 mm
15 mm	5 mm x 5 mm
16 mm	5 mm x 5 mm
18 mm	6 mm x 6 mm
19 mm	6 mm x 6 mm
20 mm	6 mm x 6 mm
22 mm	6 mm x 6 mm
24 mm	8 mm x 7 mm
25 mm	8 mm x 7 mm
28 mm	8 mm x 7 mm
30 mm	8 mm x 7 mm
32 mm	10 mm x 7 mm
35 mm	10 mm x 7 mm
38 mm	10 mm x 7 mm

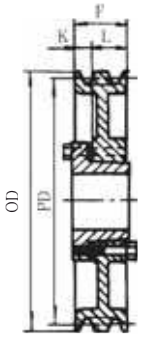
Stock H bushings and metric bores on pages 35-36.
2BKH Sheaves are precision machined from gray cast iron, statically balanced, painted with baked enamel finish and individually packaged.

Note: Cast iron sheaves may not exceed 6,500 FPM. This speed does not specify if dynamic balancing (2 plane) is required. Contact customer service to verify whether dynamic balancing is required.

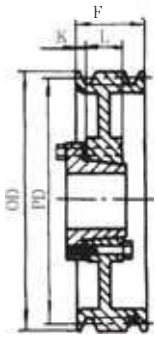
Heavy Duty One and Two Groove Sheaves



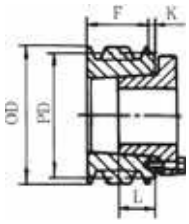
TYPE A



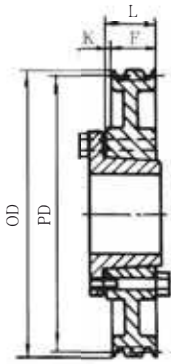
TYPE C



TYPE D



TYPE E



TYPE F

O.D.	P.D.		1 Groove F = 7/8, thru 1B 64 SDS/F = 1					2 Groove F = 1¾				
	A	B	Part No.	Bush	Type*	K	L	Part No.	Bush	Type*	K	L
3.75	3.00	3.40	**1B34SH****	SH	D-1	0"	1 5/16	**2B34SH****	SH	E-1	0	1 5/16
3.95	3.20	3.60	**1B36SH**	SH	D-1	0	1 5/16	**2B36SH**	SH	D-1	3/16	1 5/16
4.15	3.40	3.80	**1B38SH**	SH	D-1	0	1 5/16	**2B38SH**	SH	D-1	3/16	1 5/16
4.35	3.60	4.00	**1B40SH**	SH	C-1	1/16	1 5/16	**2B40SH+**	SH	A-1	11/16	1 5/16
4.55	3.80	4.20	**1B42SH**	SH	C-1	1/16	1 5/16	**2B42SH+**	SH	A-1	11/16	1 5/16
4.75	4.00	4.40	**1B44SH**	SH	C-1	1/16	1 5/16	**2B44SH**	SH	A-1	11/16	1 5/16
4.95	4.20	4.60	**1B46SDS**	SDS	C-1	1/8	1 5/16	**2B46SDS+**	SDS	A-1	11/16	1 5/16
5.15	4.40	4.80	**1B48SDS**	SDS	C-1	1/8	1 5/16	**2B48SDS**	SDS	A-1	11/16	1 5/16
5.35	4.60	5.00	**1B50SDS**	SDS	C-1	1/8	1 5/16	**2B50SDS**	SDS	A-1	11/16	1 5/16
5.55	4.80	5.20	**1B52SDS**	SDS	C-1	1/8	1 5/16	**2B52SDS**	SDS	A-1	11/16	1 5/16
5.75	5.00	5.40	**1B54SDS**	SDS	C-1	1/8	1 5/16	**2B54SDS**	SDS	A-1	11/16	1 5/16
5.95	5.20	5.60	**1B56SDS**	SDS	C-1	1/8	1 5/16	**2B56SDS**	SDS	A-1	11/16	1 5/16
6.15	5.40	5.80	**1B58SDS**	SDS	C-1	1/8	1 5/16	**2B58SDS**	SDS	A-1	11/16	1 5/16
6.35	5.60	6.00	**1B60SDS**	SDS	C-2	1/8	1 5/16	**2B60SDS**	SDS	A-2	11/16	1 5/16
6.55	5.80	6.20	**1B62SDS**	SDS	C-2	1/8	1 5/16	**2B62SDS**	SDS	A-2	11/16	1 5/16
6.75	6.00	6.40	**1B64SDS**	SDS	C-2	1/8	1 5/16	**2B64SDS**	SDS	A-2	11/16	1 5/16
6.95	6.20	6.60	**1B66SDS**	SDS	C-2	1/4	1 5/16	**2B66SDS**	SDS	A-2	11/16	1 5/16
7.15	6.40	6.80	**1B68SDS**	SDS	C-2	1/4	1 5/16	**2B68SDS**	SDS	A-2	11/16	1 5/16
7.35	6.60	7.00	**1B70SDS**	SDS	C-2	1/4	1 5/16	**2B70SK**	SK	D-2	7/16	1 15/16
7.75	7.00	7.40	**1B74SDS**	SDS	C-2	1/4	1 5/16	**2B74SK**	SK	D-2	7/16	1 15/16
8.35	7.60	8.00	**1B80SDS**	SDS	C-2	1/4	1 5/16	**2B80SK**	SK	D-2	7/16	1 15/16
8.95	8.20	8.60	**1B86SDS**	SDS	C-3	1/4	1 5/16	**2B86SK**	SK	D-3	7/16	1 15/16
9.75	9.00	9.40	**1B94SDS**	SDS	C-3	1/4	1 5/16	**2B94SK**	SK	D-3	7/16	1 15/16
11.35	10.60	11.00	**1B110SDS**	SDS	C-3	1/4	1 5/16	**2B110SK**	SK	D-3	7/16	1 15/16
12.75	12.00	12.40	**1B124SDS**	SDS	C-3	1/4	1 5/16	**2B124SK**	SK	D-3	7/16	1 15/16
13.95	13.20	13.60	**1B136SDS**	SDS	C-3	1/4	1 5/16	**2B136SK**	SK	D-3	7/16	1 15/16
15.75	15.00	15.40	**1B154SK**	SK	F-3	1/4	1 15/16	**2B154SK**	SK	D-3	7/16	1 15/16
16.35	15.60	16.00	**1B160SK**	SK	F-3	1/4	1 15/16	**2B160SK**	SK	D-3	7/16	1 15/16
18.75	18.00	18.40	**1B184SK**	SK	F-3	1/4	1 15/16	**2B184SK**	SK	D-3	7/16	1 15/16
20.35	19.60	20.00	**1B200SK**	SK	F-3	1/4	1 15/16	**2B200SF**	SF	D-3	3/8	2 1/16
25.35	24.60	25.00	**1B250SF**	SF	F-3	1/4	1 1/4	**2B250SF**	SF	D-3	3/8	2 1/16
30.35	29.60	30.00	**1B300SF**	SF	F-3	1/4	1 1/4	**2B300SF**	SF	D-3	3/8	2 1/16
38.35	37.60	38.00						**2B380SF**	SF	D-3	3/8	2 1/16

***Suffix on Type indicates construction:**
1 = Solid 2 = Web 3 = Arm/Spoke

Order bushings separately from pages 30-31.

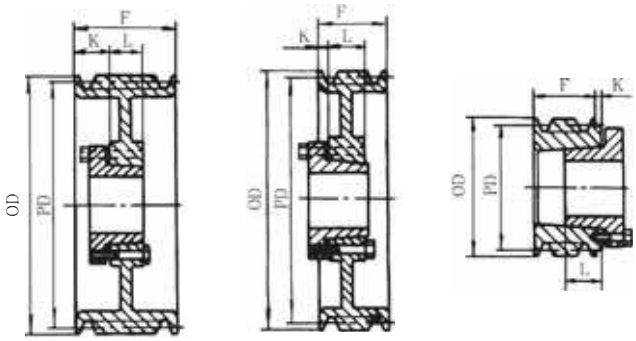
Note: Cast iron sheaves may not exceed 6,500 FPM. This speed does not specify if dynamic balancing (2 plane) is required. Contact customer service to verify whether dynamic balancing is required.

+Cap screws provided with this sheave.

Sheaves are precision machined from gray cast iron, statically balanced, painted with baked enamel finish and individually packaged.

****Reverse mount only. Special bolts are required and provided by IDC Select with the sheave. See page 37 for installation instructions.**

Heavy Duty Three and Four Groove Sheaves



TYPE A TYPE D TYPE E

O.D.	P.D.		3 Groove F = 2½					4 Groove F = 3¼				
	A	B	Part No.	Bush	Type*	K	L	Part No.	Bush	Type*	K	L
3.75	3.00	3.40	**3B34SH****	SH	E-1	0	1 5/16	**4B34SD****	SD	E-1	5/16	1 13/16
3.95	3.20	3.60	**3B36SH****	SH	D-1	3/16	1 5/16	**4B36SD****	SD	E-1	5/16	1 13/16
4.15	3.40	3.80	**3B38SH****	SH	D-1	3/16	1 5/16	**4B38SD****	SD	E-1	5/16	1 13/16
4.35	3.60	4.00	**3B40SH****	SH	A-1	1 1/16	1 5/16	**4B40SD****	SD	E-1	0	1 13/16
4.55	3.80	4.20	**3B42SH+**	SH	A-1	1 1/16	1 5/16	**4B42SD****	SD	E-1	0	1 13/16
4.75	4.00	4.40	**3B44SH**	SH	A-1	1 1/16	1 5/16	**4B44SD****	SD	E-1	0	1 13/16
4.95	4.20	4.60	**3B46SD+**	SD	A-1	1 1/16	1 13/16	**4B46SD+**	SD	A-1	1 5/16	1 13/16
5.15	4.40	4.80	**3B48SD**	SD	A-1	1 1/16	1 13/16	**4B48SD**	SD	A-1	1 5/16	1 13/16
5.35	4.60	5.00	**3B50SD**	SD	A-1	1 1/16	1 13/16	**4B50SD**	SD	A-1	1 5/16	1 13/16
5.55	4.80	5.20	**3B52SD**	SD	A-1	1 1/16	1 13/16	**4B52SD**	SD	A-1	1 5/16	1 13/16
5.75	5.00	5.40	**3B54SD**	SD	A-1	1 1/16	1 13/16	**4B54SD**	SD	A-1	1 5/16	1 13/16
5.95	5.20	5.60	**3B56SD**	SD	A-1	1 1/16	1 13/16	**4B56SD**	SD	A-1	1 5/16	1 13/16
6.15	5.40	5.80	**3B58SD**	SD	A-1	1 1/16	1 13/16	**4B58SD**	SD	A-1	1 5/16	1 13/16
6.35	5.60	6.00	**3B60SD**	SD	A-1	1 1/16	1 13/16	**4B60SD**	SD	A-1	1 5/16	1 13/16
6.55	5.80	6.20	**3B62SD**	SD	A-2	1 1/16	1 13/16	**4B62SD**	SD	A-2	1 5/16	1 13/16
6.75	6.00	6.40	**3B64SD**	SD	A-2	1 1/16	1 13/16	**4B64SD**	SD	A-2	1 5/16	1 13/16
6.95	6.20	6.60	**3B66SD**	SD	A-2	1 1/16	1 15/16	**4B66SD**	SD	A-2	1 5/16	1 13/16
7.15	6.40	6.80	**3B68SD**	SD	A-2	1 1/16	1 15/16	**4B68SD**	SD	A-2	1 5/16	1 13/16
7.35	6.60	7.00	**3B70SK**	SK	A-2	1 1/16	1 15/16	**4B70SK**	SK	A-2	1	1 15/16
7.75	7.00	7.40	**3B74SK**	SK	A-2	1 1/16	1 15/16	**4B74SK**	SK	A-2	1	1 15/16
8.35	7.60	8.00	**3B80SK**	SK	A-2	1 1/16	1 15/16	**4B80SK**	SK	A-2	1	1 15/16
8.95	8.20	8.60	**3B86SK**	SK	A-3	1 1/16	1 15/16	**4B86SK**	SK	A-2	1	1 15/16
9.75	9.00	9.40	**3B94SK**	SK	A-3	1 1/16	1 15/16	**4B94SK**	SK	A-3	1	1 15/16
11.35	10.60	11.00	**3B110SK**	SK	A-3	1 1/16	1 15/16	**4B110SK**	SK	A-3	1	1 15/16
12.75	12.00	12.40	**3B124SK**	SK	A-3	1 1/16	1 15/16	**4B124SK**	SK	A-3	1	1 15/16
13.95	13.20	13.60	**3B136SK**	SK	A-3	1 1/16	1 15/16	**4B136SK**	SK	A-3	1	1 15/16
15.75	15.00	15.40	**3B154SK**	SK	A-3	1 1/16	1 15/16	**4B154SF**	SF	A-3	1	2 1/16
16.35	15.60	16.00	**3B160SK**	SK	A-3	1 1/16	1 15/16	**4B160SF**	SF	A-3	1	2 1/16
18.75	18.00	18.40	**3B184SK**	SK	A-3	1 1/16	1 15/16	**4B184SF**	SF	A-3	1	2 1/16
20.35	19.60	20.00	**3B200SF**	SF	D-3	5/8	2 1/16	**4B200SF**	SF	A-3	1	2 1/16
25.35	24.60	25.00	**3B250SF**	SF	D-3	5/8	2 1/16	**4B250E**	E	A-3	1	2 3/4
30.35	29.60	30.00	**3B300SF**	SF	D-3	5/8	2 1/16	**4B300E**	E	A-3	1	2 3/4
38.35	37.60	38.00	**3B380E**	E	D-3	5/8	2 3/4	**4B380E**	E	A-3	1	2 3/4

***Suffix on Type indicates construction:**
1 = Solid 2 = Web 3 = Arm/Spoke

Order bushings separately from pages 30-31.

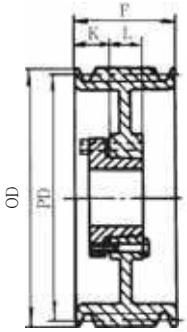
Note: Cast iron sheaves may not exceed 6,500 FPM. This speed does not specify if dynamic balancing (2 plane) is required. Contact customer service to verify whether dynamic balancing is required.

+Cap screws provided with this sheave.

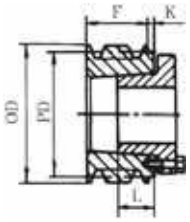
Sheaves are precision machined from gray cast iron, statically balanced, painted with baked enamel finish and individually packaged.

****Reverse mount only. Special bolts are required and provided by IDC Select with the sheave. See page 37 for installation instructions.**

Heavy Duty Five and Six Groove Sheaves



TYPE A



TYPE E

O.D.	P.D.		5 Groove F = 4					6 Groove F = 4¾				
	A	B	Part No.	Bush	Type*	K	L	Part No.	Bush	Type*	K	L
3.75	3.00	3.40	**5B34SD****	SD	E-1	5/16	1 13/16	**6B34SD****	SD	E-1	5/16	1 13/16
3.95	3.20	3.60	**5B36SD****	SD	E-1	5/16	1 13/16	**6B36SD****	SD	E-1	5/16	1 13/16
4.15	3.40	3.80	**5B38SD****	SD	E-1	5/16	1 13/16	**6B38SD****	SD	E-1	5/16	1 13/16
4.35	3.60	4.00	**5B40SD****	SD	E-1	0	1 13/16	**6B40SD****	SD	E-1	0	1 13/16
4.55	3.80	4.20	**5B42SD****	SD	E-1	0	1 13/16	**6B42SD****	SD	E-1	0	1 13/16
4.75	4.00	4.40	**5B44SD****	SD	E-1	0	1 13/16	**6B44SD****	SD	E-1	0	1 13/16
4.95	4.20	4.60	**5B46SD+**	SD	A-1	1 5/16	1 13/16	**6B46SD+**	SD	A-1	1 3/16	1 13/16
5.15	4.40	4.80	**5B48SD**	SD	A-1	1 5/16	1 13/16	**6B48SD**	SD	A-1	1 3/16	1 13/16
5.35	4.60	5.00	**5B50SD**	SD	A-1	1 5/16	1 13/16	**6B50SD**	SD	A-1	1 3/16	1 13/16
5.55	4.80	5.20	**5B52SD**	SD	A-1	1 5/16	1 13/16	**6B52SD**	SD	A-1	1 3/16	1 13/16
5.75	5.00	5.40	**5B54SK**	SK	A-1	1 5/16	1 15/16	**6B54SK**	SK	A-1	1 5/16	1 15/16
5.95	5.20	5.60	**5B56SK**	SK	A-1	1 5/16	1 15/16	**6B56SK**	SK	A-1	1 5/16	1 15/16
6.15	5.40	5.80	**5B58SK**	SK	A-1	1 5/16	1 15/16	**6B58SK**	SK	A-1	1 5/16	1 15/16
6.35	5.60	6.00	**5B60SK**	SK	A-1	1 5/16	1 15/16	**6B60SK**	SK	A-1	1 5/16	1 15/16
6.55	5.80	6.20	**5B62SK**	SK	A-1	1 5/16	1 15/16	**6B62SK**	SK	A-1	1 5/16	1 15/16
6.75	6.00	6.40	**5B64SK**	SK	A-1	1 5/16	1 15/16	**6B64SK**	SK	A-1	1 5/16	1 15/16
6.95	6.20	6.60	**5B66SK**	SK	A-1	1 5/16	1 15/16	**6B66SK**	SK	A-1	1 5/16	1 15/16
7.15	6.40	6.80	**5B68SK**	SK	A-1	1 5/16	1 15/16	**6B68SK**	SK	A-1	1 5/16	1 15/16
7.35	6.60	7.00	**5B70SF**	SF	A-1	1 5/16	2 1/16	**6B70SF**	SF	A-1	1 11/16	2 1/16
7.75	7.00	7.40	**5B74SF**	SF	A-1	1 5/16	2 1/16	**6B74SF**	SF	A-2	1 11/16	2 1/16
8.35	7.60	8.00	**5B80SF**	SF	A-2	1 5/16	2 1/16	**6B80SF**	SF	A-2	1 11/16	2 1/16
8.95	8.20	8.60	**5B86SF**	SF	A-2	1 5/16	2 1/16	**6B86SF**	SF	A-2	1 11/16	2 1/16
9.75	9.00	9.40	**5B94SF**	SF	A-2	1 5/16	2 1/16	**6B94SF**	SF	A-2	1 11/16	2 1/16
11.35	10.60	11.00	**5B110SF**	SF	A-3	1 5/16	2 1/16	**6B110SF**	SF	A-3	1 11/16	2 1/16
12.75	12.00	12.40	**5B124SF**	SF	A-3	1 5/16	2 1/16	**6B124SF**	SF	A-3	1 11/16	2 1/16
13.95	13.20	13.60	**5B136SF**	SF	A-3	1 5/16	2 1/16	**6B136SF**	SF	A-3	1 11/16	2 1/16
15.75	15.00	15.40	**5B154SF**	SF	A-3	1 5/16	2 1/16	**6B154SF**	SF	A-3	1 11/16	2 1/16
16.35	15.60	16.00	**5B160SF**	SF	A-3	1 5/16	2 1/16	**6B160SF**	SF	A-3	1 11/16	2 1/16
18.75	18.00	18.40	**5B184SF**	SF	A-3	1 5/16	2 1/16	**6B184SF**	SF	A-3	1 11/16	2 1/16
20.35	19.60	20.00	**5B200E**	E	A-3	1 1/4	2 3/4	**6B200E**	E	A-3	1 3/8	2 3/4
25.35	24.60	25.00	**5B250E**	E	A-3	1 1/4	2 3/4	**6B250E**	E	A-3	1 3/8	2 3/4
30.35	29.60	30.00	**5B300E**	E	A-3	1 1/4	2 3/4	**6B300E**	E	A-3	1 3/8	2 3/4
38.35	37.60	38.00	**5B380E**	E	A-3	1 1/4	2 3/4	**6B380E**	E	A-3	1 3/8	2 3/4

***Suffix on Type indicates construction:**
1 = Solid 2 = Web 3 = Arm/Spoke

Order bushings separately from pages 30-31.

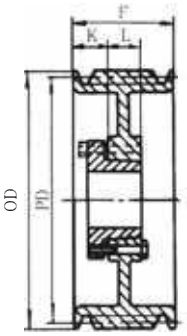
Note: Cast iron sheaves may not exceed 6,500 FPM. This speed does not specify if dynamic balancing (2 plane) is required. Contact customer service to verify whether dynamic balancing is required.

+Cap screws provided with this sheave.

Sheaves are precision machined from gray cast iron, statically balanced, painted with baked enamel finish and individually packaged.

****Reverse mount only. Special bolts are required and provided by IDC Select with the sheave. See page 37 for installation instructions.**

Heavy Duty Eight and Ten Groove Sheaves



TYPE A

O.D.	P.D.		8 Groove F = 6¼					10 Groove F = 7¾				
	A	B	Part No.	Bush	Type*	K	L	Part No.	Bush	Type*	K	L
5.75	5.00	5.40	**8B54SK**	SK	A-1	1 13/16	1 15/16	**10B54SK**	SK	A-1	2 9/16	1 15/16
5.95	5.20	5.60	**8B56SK**	SK	A-1	1 13/16	1 15/16	**10B56SK**	SK	A-1	2 9/16	1 15/16
6.15	5.40	5.80	**8B58SK**	SK	A-1	1 13/16	1 15/16	**10B58SK**	SK	A-1	2 9/16	1 15/16
6.35	5.60	6.00	**8B60SK**	SK	A-1	1 13/16	1 15/16	**10B60SK**	SK	A-1	2 9/16	1 15/16
6.55	5.80	6.20	**8B62SF**	SF	A-1	1 13/16	2 1/16	**10B62SF**	SF	A-1	2 9/16	2 1/16
6.75	6.00	6.40	**8B64SF**	SF	A-1	1 13/16	2 1/16	**10B64SF**	SF	A-1	2 9/16	2 1/16
6.95	6.20	6.60	**8B66SF**	SF	A-1	1 13/16	2 1/16	**10B66SF**	SF	A-1	2 9/16	2 1/16
7.15	6.40	6.80	**8B68SF**	SF	A-1	1 13/16	2 1/16	**10B68SF**	SF	A-1	2 9/16	2 1/16
7.35	6.60	7.00	**8B70SF**	SF	A-1	1 13/16	2 1/16	**10B70SF**	SF	A-1	2 9/16	2 1/16
7.75	7.00	7.40	**8B74SF**	SF	A-1	1 13/16	2 1/16	**10B74SF**	SF	A-1	2 9/16	2 1/16
8.95	8.20	8.60	**8B86E**	E	A-1	2 3/8	2 3/4	**10B86E**	E	A-1	3 1/8	2 3/4
9.75	9.00	9.40	**8B94E**	E	A-1	2 3/8	2 3/4	**10B94E**	E	A-2	3 1/8	2 3/4
11.35	10.60	11.00	**8B110E**	E	A-2	2 3/8	2 3/4	**10B110E**	E	A-2	3 1/8	2 3/4
12.75	12.00	12.40	**8B124E**	E	A-3	2 3/8	2 3/4	**10B124E**	E	A-3	3 1/8	2 3/4
13.95	13.20	13.60	**8B136E**	E	A-3	2 3/8	2 3/4	**10B136F**	F	A-3	2 1/16	3 3/4
15.75	15.00	15.40	**8B154E**	E	A-3	2 3/8	2 3/4	**10B154F**	F	A-3	2 1/16	3 3/4
16.35	15.60	16.00	**8B160E**	E	A-3	2 3/8	2 3/4	**10B160F**	F	A-3	2 1/16	3 3/4
18.75	18.00	18.40	**8B184F**	F	A-3	1 5/16	3 3/4	**10B184F**	F	A-3	2 1/16	3 3/4
20.35	19.60	20.00	**8B200F**	F	A-3	1 5/16	3 3/4	**10B200F**	F	A-3	2 1/16	3 3/4
25.35	24.60	25.00	**8B250F**	F	A-3	1 5/16	3 3/4	**10B250F**	F	A-3	2 1/16	3 3/4
30.35	29.60	30.00	**8B300F**	F	A-3	1 5/16	3 3/4	**10B300F**	F	A-3	2 1/16	3 3/4
38.35	37.60	38.00	**8B380F**	F	A-3	1 5/16	3 3/4	**10B380J**	J	A-3	1 9/16	4 5/8

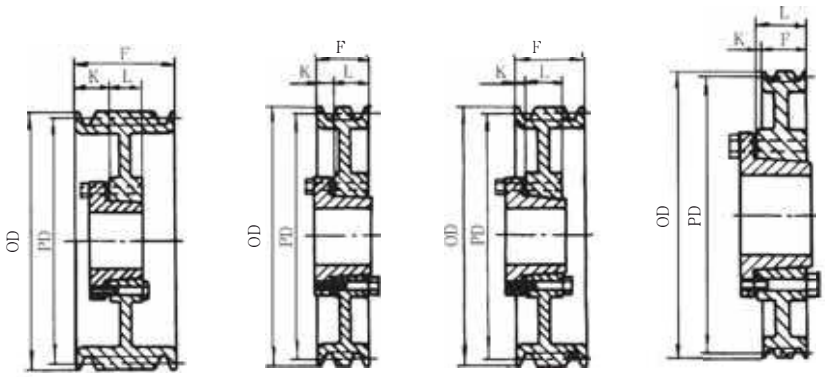
***Suffix on Type indicates construction:**
1 = Solid 2 = Web 3 = Arm/Spoke

Order bushings separately from pages 30-31.

Sheaves are precision machined from gray cast iron, statically balanced, painted with baked enamel finish and individually packaged.

Note: Cast iron sheaves may not exceed 6,500 FPM. This speed does not specify if dynamic balancing (2 plane) is required. Contact customer service to verify whether dynamic balancing is required.

Heavy Duty One and Two Groove C-QD® Sheaves



TYPE A TYPE C TYPE D TYPE F

Diameters		1 Groove F = 1 3/8					2 Groove F = 2 3/8				
O.D.	P.D.	Part No.	Bush	Type*	K	L	Part No.	Bush	Type*	K	L
6.40	6.00	**1C60SK**	SK	C-1	1/8	1 15/16	**2C60SF**	SF	A-1	7/8	1 15/16
7.40	7.00	**1C70SF**	SF	C-1	1/8	2 1/16	**2C70SF**	SF	A-1	13/16	2 1/16
7.90	7.50	**1C75SF**	SF	C-1	1/8	2 1/16	**2C75SF**	SF	A-1	13/16	2 1/16
8.40	8.00	**1C80SF**	SF	C-1	1/8	2 1/16	**2C80SF**	SF	A-1	13/16	2 1/16
8.90	8.50	**1C85SF**	SF	C-2	1/8	2 1/16	**2C85SF**	SF	A-2	13/16	2 1/16
9.40	9.00	**1C90SF**	SF	C-2	1/8	2 1/16	**2C90SF**	SF	A-2	13/16	2 1/16
9.90	9.50	**1C95SF**	SF	C-2	1/8	2 1/16	**2C95SF**	SF	A-2	13/16	2 1/16
10.40	10.00	**1C100SF**	SF	C-2	1/8	2 1/16	**2C100SF**	SF	A-2	13/16	2 1/16
10.90	10.50	**1C105SF**	SF	C-3	1/8	2 1/16	**2C105SF**	SF	A-3	13/16	2 1/16
11.40	11.00	**1C110SF**	SF	C-3	1/8	2 1/16	**2C110SF**	SF	A-3	13/16	2 1/16
12.40	12.00	**1C120SF**	SF	C-3	1/8	2 1/16	**2C120SF**	SF	D-3	9/16	2 1/16
13.40	13.00	**1C130SF**	SF	C-3	1/8	2 1/16	**2C130SF**	SF	D-3	9/16	2 1/16
14.40	14.00	**1C140SF**	SF	C-3	1/8	2 1/16	**2C140SF**	SF	D-3	9/16	2 1/16
15.40	15.00	**1C150SF**	SF	C-3	1/8	2 1/16	**2C150SF**	SF	D-3	9/16	2 1/16
16.40	16.00	**1C160SF**	SF	C-3	1/8	2 1/16	**2C160SF**	SF	D-3	9/16	2 1/16
18.40	18.00	**1C180SF**	SF	C-3	1/8	2 1/16	**2C180SF**	SF	D-3	9/16	2 1/16
20.40	20.00	**1C200SF**	SF	C-3	1/8	2 1/16	**2C200SF**	SF	D-3	9/16	2 1/16
24.40	24.00	**1C240SF**	SF	C-3	1/8	2 1/16	**2C240SF**	SF	D-3	9/16	2 1/16
27.40	27.00						**2C270F**	F	F-3	1/8	3 3/4
30.40	30.00						**2C300F**	F	F-3	1/8	3 3/4

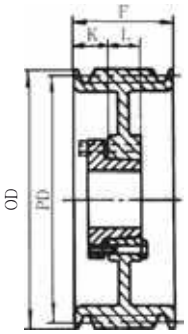
***Suffix on Type indicates construction:**
1 = Solid 2 = Web 3 = Arm/Spoke

Order bushings separately from pages 30-31.

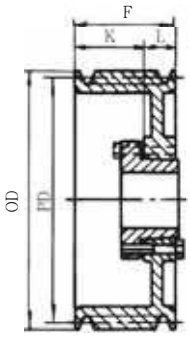
Sheaves are precision machined from gray cast iron, statically balanced, painted with baked enamel finish and individually packaged.

Note: Cast iron sheaves may not exceed 6,500 FPM. This speed does not specify if dynamic balancing (2 plane) is required. Contact customer service to verify whether dynamic balancing is required.

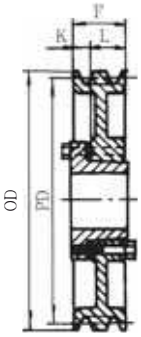
Heavy Duty Three and Four Groove C-QD® Sheaves



TYPE A



TYPE B



TYPE C

Diameters		3 Groove F = 3⅜					4 Groove F = 4⅜				
O.D.	P.D.	Part No.	Bush	Type*	K	L	Part No.	Bush	Type*	K	L
5.40	5.00	**3C50SD**	SD	A-1	1¼	1 13/16	**4C50SD**	SD	A-1	1¼	1 13/16
5.80	5.40	**3C54SD**	SD	A-1	1 5/16	1 13/16	**4C54SD**	SD	A-1	1 5/16	1 13/16
5.90	5.50	**3C55SD**	SD	A-1	1 5/16	1 13/16	**4C55SD**	SD	A-1	1 5/16	1 13/16
6.00	5.60	**3C56SD**	SD	A-1	1 5/16	1 13/16	**4C56SD**	SD	A-1	1 5/16	1 13/16
6.40	6.00	**3C60SF**	SF	A-1	⅞	1 15/16	**4C60SF**	SF	A-1	⅞	1 15/16
7.40	7.00	**3C70SF**	SF	A-1	1 5/16	2 1/16	**4C70SF**	SF	A-1	1 9/16	2 1/16
7.90	7.50	**3C75SF**	SF	A-1	1 5/16	2 1/16	**4C75SF**	SF	A-1	1 9/16	2 1/16
8.40	8.00	**3C80E**	E	B-1	1¾	2¾	**4C80E**	E	A-1	2	2¾
8.90	8.50	**3C85E**	E	B-1	1¾	2¾	**4C85E**	E	A-1	2	2¾
9.40	9.00	**3C90E**	E	B-1	1¾	2¾	**4C90E**	E	A-1	2	2¾
9.90	9.50	**3C95E**	E	B-1	1¾	2¾	**4C95E**	E	A-1	2	2¾
10.40	10.00	**3C100E**	E	B-2	1¾	2¾	**4C100E**	E	A-2	2	2¾
10.90	10.50	**3C105E**	E	B-2	1¾	2¾	**4C105E**	E	A-2	2	2¾
11.40	11.00	**3C110E**	E	B-3	1¾	2¾	**4C110E**	E	A-3	2	2¾
12.40	12.00	**3C120E**	E	B-3	1¾	2¾	**4C120E**	E	A-3	2	2¾
13.40	13.00	**3C130E**	E	B-3	1¾	2¾	**4C130E**	E	A-3	2	2¾
14.40	14.00	**3C140E**	E	B-3	1¾	2¾	**4C140E**	E	A-3	2	2¾
15.40	15.00	**3C150E**	E	B-3	1¾	2¾	**4C150E**	E	A-3	2	2¾
16.40	16.00	**3C160E**	E	B-3	1¾	2¾	**4C160E**	E	A-3	2	2¾
18.40	18.00	**3C180E**	E	B-3	1¾	2¾	**4C180E**	E	A-3	2	2¾
20.40	20.00	**3C200E**	E	A-3	1	2¾	**4C200E**	E	A-3	1½	2¾
24.40	24.00	**3C240E**	E	A-3	1	2¾	**4C240F**	F	A-3	1 5/16	3¾
27.40	27.00	**3C270F**	F	C-3	⅞	3¾	**4C270F**	F	A-3	1 5/16	3¾
30.40	30.00	**3C300F**	F	C-3	⅞	3¾	**4C300F**	F	A-3	1 5/16	3¾
36.40	36.00	**3C360F**	F	C-3	⅞	3¾	**4C360F**	F	A-3	1 5/16	3¾
44.40	44.00	**3C440F**	F	C-3	13/16	3¾	**4C440J**	J	A-3	1 9/16	4⅝
50.40	50.00	**3C500F**	F	C-3	13/16	3¾	**4C500J**	J	A-3	1 9/16	4⅝

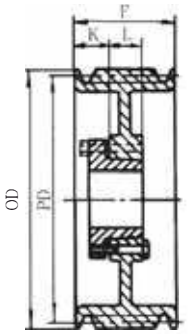
***Suffix on Type indicates construction:**
1 = Solid 2 = Web 3 = Arm/Spoke

Order bushings separately from pages 30-31.

Sheaves are precision machined from gray cast iron, statically balanced, painted with baked enamel finish and individually packaged.

Note: Cast iron sheaves may not exceed 6,500 FPM. This speed does not specify if dynamic balancing (2 plane) is required. Contact customer service to verify whether dynamic balancing is required.

Heavy Duty Five and Six Groove C-QD® Sheaves



TYPE A

Diameters		5 Groove F = 5⅜					6 Groove F = 6⅜				
O.D.	P.D.	Part No.	Bush	Type*	K	L	Part No.	Bush	Type*	K	L
6.40	6.00	**5C60SF**	SF	A-1	⅞	1 15/16	**6C60SF**	SF	A-1	⅞	1 15/16
7.40	7.00	**5C70SF**	SF	A-1	1 15/16	2 1/16	**6C70SF**	SF	A-1	1 15/16	2 1/16
7.90	7.50	**5C75SF**	SF	A-1	1 15/16	2 1/16	**6C75SF**	SF	A-1	1 15/16	2 1/16
8.40	8.00	**5C80E**	E	A-1	2⅜	2¾	**6C80E**	E	A-1	2⅜	2¾
8.90	8.50	**5C85E**	E	A-1	2⅜	2¾	**6C85E**	E	A-1	2⅜	2¾
9.40	9.00	**5C90E**	E	A-1	2⅜	2¾	**6C90F**	F	A-1	1 7/16	3¾
9.90	9.50	**5C95E**	E	A-1	2⅜	2¾	**6C95F**	F	A-1	1 7/16	3¾
10.40	10.00	**5C100E**	E	A-2	2⅜	2¾	**6C100F**	F	A-1	1 7/16	3¾
10.90	10.50	**5C105E**	E	A-2	2⅜	2¾	**6C105F**	F	A-1	1 7/16	3¾
11.40	11.00	**5C110E**	E	A-3	2⅜	2¾	**6C110F**	F	A-2	1 7/16	3¾
12.40	12.00	**5C120E**	E	A-3	2⅜	2¾	**6C120F**	F	A-2	1 7/16	3¾
13.40	13.00	**5C130E**	E	A-3	2⅜	2¾	**6C130F**	F	A-3	1 7/16	3¾
14.40	14.00	**5C140E**	E	A-3	2⅜	2¾	**6C140F**	F	A-3	1 7/16	3¾
15.40	15.00	**5C150E**	E	A-3	2⅜	2¾	**6C150F**	F	A-3	1 7/16	3¾
16.40	16.00	**5C160E**	E	A-3	2⅜	2¾	**6C160F**	F	A-3	1 7/16	3¾
18.40	18.00	**5C180E**	E	A-3	2⅜	2¾	**6C180F**	F	A-3	1 7/16	3¾
20.40	20.00	**5C200F**	F	A-3	1 5/16	3¾	**6C200F**	F	A-3	1 15/16	3¾
24.40	24.00	**5C240F**	F	A-3	1 5/16	3¾	**6C240F**	F	A-3	1 15/16	3¾
27.40	27.00	**5C270F**	F	A-3	1 5/16	3¾	**6C270J**	J	A-3	1 9/16	4⅝
30.40	30.00	**5C300F**	F	A-3	1 5/16	3¾	**6C300J**	J	A-3	1 9/16	4⅝
36.40	36.00	**5C360J**	J	A-3	1 9/16	4⅝	**6C360J**	J	A-3	1 9/16	4⅝
44.40	44.00	**5C440J**	J	A-3	1 9/16	4⅝	**6C440J**	J	A-3	1 9/16	4⅝
50.40	50.00	**5C500J**	J	A-3	1 9/16	4⅝	**6C500M•**	M	A-3	1 15/16	6¾

***Suffix on Type indicates construction:**
1 = Solid 2 = Web 3 = Arm/Spoke

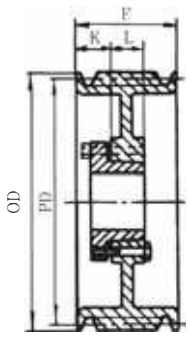
Sheaves are precision machined from gray cast iron, statically balanced, painted with baked enamel finish and individually packaged.

Order bushings separately from pages 30-31.

- **M-N-P-W bushings use standard mounting only with these sheaves. See page 37 for installation instructions.**

Note: Cast iron sheaves may not exceed 6,500 FPM. This speed does not specify if dynamic balancing (2 plane) is required. Contact customer service to verify whether dynamic balancing is required.

Heavy Duty Eight and Ten Groove C-QD® Sheaves



TYPE A

Diameters		8 Groove F = 8 3/8					10 Groove F = 10 3/8				
O.D.	P.D.	Part No.	Bush	Type*	K	L	Part No.	Bush	Type*	K	L
7.40	7.00	**8C70SF**	SF	A-1	3 1/8	2 1/16					
8.40	8.00	**8C80E**	E	A-1	3 1/4	2 3/4	**10C80E**	E	A-1	3 1/4	2 3/4
8.90	8.50	**8C85E**	E	A-1	3 1/4	2 3/4	**10C85E**	E	A-1	3 1/4	2 3/4
9.40	9.00	**8C90F**	F	A-1	3 5/16	3 3/4	**10C90J**	J	A-1	3 9/16	4 5/8
9.90	9.50	**8C95F**	F	A-1	3 5/16	3 3/4	**10C95J**	J	A-1	3 9/16	4 5/8
10.40	10.00	**8C100F**	F	A-1	3 5/16	3 3/4	**10C100J**	J	A-1	3 9/16	4 5/8
10.90	10.50	**8C105F**	F	A-1	3 5/16	3 3/4	**10C105J**	J	A-1	3 9/16	4 5/8
11.40	11.00	**8C110F**	F	A-1	3 5/16	3 3/4	**10C110J**	J	A-1	3 9/16	4 5/8
12.40	12.00	**8C120F**	F	A-2	3 5/16	3 3/4	**10C120J**	J	A-1	3 9/16	4 5/8
13.40	13.00	**8C130F**	F	A-2	3 5/16	3 3/4	**10C130J**	J	A-2	3 9/16	4 5/8
14.40	14.00	**8C140F**	F	A-2	3 5/16	3 3/4	**10C140J**	J	A-2	3 9/16	4 5/8
15.40	15.00	**8C150F**	F	A-2	3 5/16	3 3/4					
16.40	16.00	**8C160F**	F	A-3	3 5/16	3 3/4	**10C160J**	J	A-3	3 9/16	4 5/8
18.40	18.00	**8C180F**	F	A-3	3 5/16	3 3/4	**10C180J**	J	A-3	3 9/16	4 5/8
20.40	20.00	**8C200J**	J	A-3	1 9/16	4 5/8	**10C200J**	J	A-3	3 9/16	4 5/8
24.40	24.00	**8C240J**	J	A-3	1 9/16	4 5/8	**10C240M•**	M	A-3	3 9/16	6 3/4
27.40	27.00	**8C270J**	J	A-3	1 9/16	4 5/8					
30.40	30.00	**8C300J**	J	A-3	1 9/16	4 5/8	**10C300M•**	M	A-3	1 15/16	6 3/4
36.40	36.00	**8C360M•**	M	A-3	1 15/16	6 3/4	**10C360M•**	M	A-3	1 15/16	6 3/4
44.40	44.00	**8C440M•**	M	A-3	1 15/16	6 3/4	**10C440M•**	M	A-3	1 15/16	6 3/4
50.40	50.00	**8C500M•**	M	A-3	1 15/16	6 3/4	**10C500M•**	M	A-3	1 15/16	6 3/4

***Suffix on Type indicates construction:**
1 = Solid 2 = Web 3 = Arm/Spoke

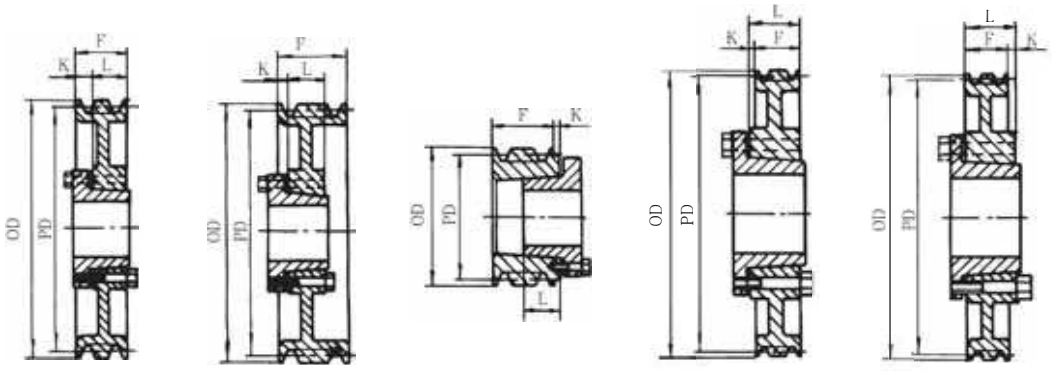
Sheaves are precision machined from gray cast iron, statically balanced, painted with baked enamel finish and individually packaged.

Order bushings separately from pages 30-31.

- **M-N-P-W bushings use standard mounting only with these sheaves. See page 37 for installation instructions.**

Note: Cast iron sheaves may not exceed 6,500 FPM. This speed does not specify if dynamic balancing (2 plane) is required. Contact customer service to verify whether dynamic balancing is required.

Heavy Duty One and Two Groove 3V QD® Sheaves



TYPE C TYPE D TYPE E TYPE F TYPE G

Diameters		1 Groove F = 11/16 F = 3/4. 1-3V800SDS-1-3V1060SDS F = 13/16. 1-3V1400SK-1-3V1900SK					2 Groove F = 1 3/32				
O.D.	P.D.	Part No.	Bush	Type*	K	L	Part No.	Bush	Type*	K	L
2.20	2.15	**1-3V220JA****	JA	E-1	7/16	1	**2-3V220JA****	JA	E-1	7/16	1
2.35	2.30	**1-3V235JA****	JA	E-1	7/16	1	**2-3V235JA****	JA	E-1	7/16	1
2.50	2.45	**1-3V250JA****	JA	E-1	7/16	1	**2-3V250JA****	JA	E-1	7/16	1
2.65	2.60	**1-3V265JA**	JA	C-1	1/8	1	**2-3V265JA****	JA	D-1	1/8	1
2.80	2.75	**1-3V280JA**	JA	C-1	1/8	1	**2-3V280JA***	JA	D-1	1/8	1
3.00	2.95	**1-3V300JA**	JA	C-1	1/8	1	**2-3V300JA***	JA	D-1	1/8	1
3.15	3.10	**1-3V315JA**	JA	C-1	1/8	1	**2-3V315JA***	JA	D-1	1/8	1
3.35	3.30	**1-3V335JA**	JA	C-1	1/8	1	**2-3V335SH***	SH	D-1	9/64	1 5/16
3.65	3.60	**1-3V365SH**	SH	G-1	1/8	1 5/16	**2-3V365SH***	SH	D-1	9/64	1 5/16
4.12	4.07	**1-3V412SH**	SH	G-1	1/8	1 5/16	**2-3V412SH**	SH	D-1	9/32	1 5/16
4.50	4.45	**1-3V450SH**	SH	G-1	1/8	1 5/16	**2-3V450SH**	SH	D-1	9/32	1 5/16
4.75	4.70	**1-3V475SH**	SH	G-1	1/8	1 5/16	**2-3V475SH**	SH	D-1	9/32	1 5/16
5.00	4.90	**1-3V500SH**	SH	G-1	1/8	1 5/16	**2-3V500SH**	SH	D-1	9/32	1 5/16
5.30	5.25	**1-3V530SH**	SH	G-2	1/8	1 5/16	**2-3V530SH**	SH	D-1	9/32	1 5/16
5.60	5.55	**1-3V560SH**	SH	G-2	1/8	1 5/16	**2-3V560SH**	SH	D-2	9/32	1 5/16
6.00	5.95	**1-3V600SH**	SH	G-2	1/8	1 5/16	**2-3V600SH**	SH	D-2	9/32	1 5/16
6.50	6.45	**1-3V650SH**	SH	G-2	1/8	1 5/16	**2-3V650SDS**	SDS	D-2	5/16	1 5/16
6.90	6.85	**1-3V690SH**	SH	G-3	1/8	1 5/16	**2-3V690SDS**	SDS	D-2	5/16	1 5/16
8.00	7.95	**1-3V800SDS**	SDS	G-3	0	1 5/16	**2-3V800SDS**	SDS	D-3	5/16	1 5/16
10.60	10.55	**1-3V1060SDS**	SDS	G-3	0	1 5/16	**2-3V1060SK**	SK	F-3	5/32	1 15/16
14.00	13.95	**1-3V1400SK**	SK	G-3	7/16	1 15/16	**2-3V1400SK**	SK	F-3	5/32	1 15/16
19.00	18.95	**1-3V1900SK**	SK	G-3	7/16	1 15/16	**2-3V1900SK**	SK	F-3	5/32	1 15/16
25.00	24.95						**2-3V2500SF**	SF	E-3	1/4	2 1/16

***Suffix on Type indicates construction:**
1 = Solid 2 = Web 3 = Arm/Spoke

Sheaves are precision machined from gray cast iron, statically balanced, painted with baked enamel finish and individually packaged.

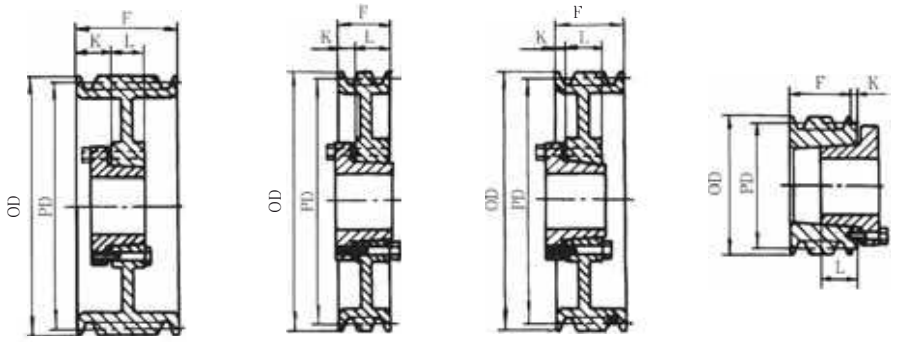
Order bushings separately from pages 30-31.

*** These sheaves can only be reverse mounted with standard bushing bolts. Special bolts not provided by IDC Select are required for standard mount. See page 37 for installation instructions.**

****Reverse mount only. Special bolts are required and provided by IDC Select with the sheave. See page 37 for installation instructions.**

Note: Cast iron sheaves may not exceed 6,500 FPM. This speed does not specify if dynamic balancing (2 plane) is required. Contact customer service to verify whether dynamic balancing is required.

Heavy Duty Three and Four Groove 3V QD® Sheaves



TYPE A TYPE C TYPE D TYPE E

Diameters		3 Groove F = 1½					4 Groove F = 1 29/32				
O.D.	P.D.	Part No.	Bush	Type*	K	L	Part No.	Bush	Type*	K	L
2.50	2.45	**3-3V250JA***	JA	E-1	7/16	1					
2.65	2.60	**3-3V265JA***	JA	D-1	1/8	1	**4-3V265JA***	JA	D-1	1/8	1
2.80	2.75	**3-3V280JA***	JA	D-1	1/8	1	**4-3V280JA***	JA	D-1	1/8	1
3.00	2.95	**3-3V300SH****	SH	E-1	5/16	1 5/16	**4-3V300SH****	SH	E-1	0	1 5/16
3.15	3.10	**3-3V315SH****	SH	E-1	5/16	1 5/16	**4-3V315SH****	SH	E-1	0	1 5/16
3.35	3.30	**3-3V335SH***	SH	D-1	1/8	1 5/16	**4-3V335SH***	SH	D-1	1/8	1 5/16
3.65	3.60	**3-3V365SH***	SH	D-1	1/8	1 5/16	**4-3V365SH***	SH	D-1	1/8	1 5/16
4.12	4.07	**3-3V412SH**	SH	A-1	11/16	1 5/16	**4-3V412SH**	SH	A-1	13/16	1 5/16
4.50	4.45	**3-3V450SDS**	SDS	A-1	11/16	1 5/16	**4-3V450SDS**	SDS	A-1	13/16	1 5/16
4.75	4.70	**3-3V475SDS**	SDS	A-1	11/16	1 5/16	**4-3V475SDS**	SDS	A-1	13/16	1 5/16
5.00	4.95	**3-3V500SDS**	SDS	A-1	11/16	1 5/16	**4-3V500SDS**	SDS	A-1	13/16	1 5/16
5.30	5.25	**3-3V530SDS**	SDS	A-1	11/16	1 5/16	**4-3V530SDS**	SDS	A-1	13/16	1 5/16
5.60	5.55	**3-3V560SDS**	SDS	A-1	11/16	1 5/16	**4-3V560SDS**	SDS	A-1	13/16	1 5/16
6.00	5.95	**3-3V600SDS**	SDS	A-2	11/16	1 5/16	**4-3V600SK**	SK	D-1	5/8	1 15/16
6.50	6.45	**3-3V650SDS**	SDS	A-2	11/16	1 5/16	**4-3V650SK**	SK	D-2	5/8	1 15/16
6.90	6.85	**3-3V690SDS**	SDS	A-2	11/16	1 5/16	**4-3V690SK**	SK	D-2	5/8	1 15/16
8.00	7.95	**3-3V800SK**	SK	C-3	1/4	1 15/16	**4-3V800SK**	SK	D-3	5/8	1 15/16
10.60	10.55	**3-3V1060SK**	SK	C-3	1/4	1 15/16	**4-3V1060SK**	SK	D-3	5/8	1 15/16
14.00	13.95	**3-3V1400SK**	SK	C-3	1/4	1 15/16	**4-3V1400SK**	SK	D-3	5/8	1 15/16
19.00	18.95	**3-3V1900SF**	SF	C-3	1/4	2 1/16	**4-3V1900SF**	SF	C-3	21/32	2 1/16
25.00	24.95	**3-3V2500SF**	SF	C-3	1/4	2 1/16	**4-3V2500SF**	SF	C-3	21/32	2 1/16
33.50	33.45	**3-3V3350SF**	SF	C-3	1/4	2 1/16	**4-3V3350E**	E	C-3	9/32	2 3/4

***Suffix on Type indicates construction:**
1 = Solid 2 = Web 3 = Arm/Spoke

Order bushings separately from pages 30-31.

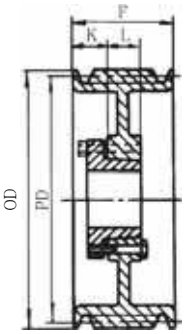
Sheaves are precision machined from gray cast iron, statically balanced, painted with baked enamel finish and individually packaged.

*** These sheaves can only be reverse mounted with standard bushing bolts. Special bolts not provided by IDC Select are required for standard mount. See page 37 for installation instructions.**

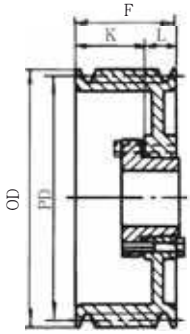
****Reverse mount. Special bolts are required and provided by IDC Select with sheave. See page 37 for installation instructions.**

Note: Cast iron sheaves may not exceed 6,500 FPM. This speed does not specify if dynamic balancing (2 plane) is required. Contact customer service to verify whether dynamic balancing is required.

Heavy Duty Five, Six, Eight and Ten Groove 3V QD® Sheaves



TYPE A



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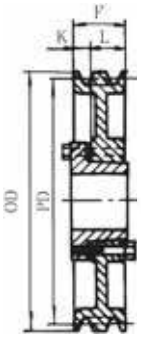
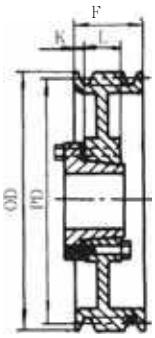


TYPE C



TYPE D

Diameters		5 Groove F = 2 5/16					6 Groove F = 2 23/32				
O.D.	P.D.	Part No.	Bush	Type*	K	L	Part No.	Bush	Type*	K	L
4.75	4.70	**5-3V475SDS**	SDS	A-1	13/16	1 5/16	**6-3V475SK****	SK	D-1	1/8	1 15/16
5.00	4.95	**5-3V500SDS**	SDS	A-1	13/16	1 5/16	**6-3V500SK****	SK	D-1	1/8	1 15/16
5.30	5.25	**5-3V530SK**	SK	A-1	15/16	1 15/16	**6-3V530SK**	SK	A-1	1 5/16	1 15/16
5.60	5.55	**5-3V560SK**	SK	A-1	15/16	1 15/16	**6-3V560SK**	SK	A-1	1 5/16	1 15/16
6.00	5.95	**5-3V600SK**	SK	A-1	15/16	1 15/16	**6-3V600SK**	SK	A-1	1 5/16	1 15/16
6.50	6.45	**5-3V650SK**	SK	A-1	15/16	1 15/16	**6-3V650SK**	SK	A-1	1 5/16	1 15/16
6.90	6.85	**5-3V690SK**	SK	A-2	15/16	1 15/16	**6-3V690SK**	SK	A-2	1 5/16	1 15/16
8.00	7.95	**5-3V800SK**	SK	A-2	15/16	1 15/16	**6-3V800SK**	SK	A-2	1 5/16	1 15/16
10.60	10.55	**5-3V1060SK**	SK	A-3	15/16	1 15/16	**6-3V1060SF**	SF	A-2	7/8	2 1/16
14.00	13.95	**5-3V1400SF**	SF	A-3	7/8	2 1/16	**6-3V1400SF**	SF	A-3	7/8	2 1/16
19.00	18.95	**5-3V1900SF**	SF	A-3	7/8	2 1/16	**6-3V1900E**	E	B-3	1 3/32	2 3/4
25.00	24.95	**5-3V2500E**	E	C-3	11/16	2 3/4	**6-3V2500E**	E	B-3	1 3/32	2 3/4
33.50	33.45	**5-3V3350E**	E	C-3	11/16	2 3/4	**6-3V3350E**	E	B-3	1 3/32	2 3/4
Diameters		**8 Groove F = 3 17/32**					**10 Groove F = 4 11/32**				
O.D.	P.D.	Part No.	Bush	Type*	K	L	Part No.	Bush	Type*	K	L
4.75	4.70	**8-3V475SK****	SK	D-1	1/8	1 15/16	**10-3V475SK****	SK	D-1	1/8	1 15/16
5.00	4.95	**8-3V500SK****	SK	D-1	1/8	1 15/16	**10-3V500SK****	SK	D-1	1/8	1 15/16
5.30	5.25	**8-3V530SK**	SK	A-1	1 5/16	1 15/16	**10-3V530SK**	SK	A-1	1 7/16	1 15/16
5.60	5.55	**8-3V560SK**	SK	A-1	1 5/16	1 15/16	**10-3V560SK**	SK	A-1	1 7/16	1 15/16
6.00	5.95	**8-3V600SK**	SK	A-1	1 5/16	1 15/16	**10-3V600SK**	SK	A-1	1 7/16	1 15/16
6.50	6.45	**8-3V650SK**	SK	A-1	1 5/16	1 15/16	**10-3V650SK**	SK	A-1	1 7/16	1 15/16
6.90	6.85	**8-3V690SK**	SK	A-2	1 5/16	1 15/16	**10-3V690SK**	SK	A-2	1 7/16	1 15/16
8.00	7.95	**8-3V800SF**	SF	A-2	1 1/8	2 1/16	**10-3V800SF**	SF	A-2	1 1/2	2 1/16
10.60	10.55	**8-3V1060SF**	SF	A-3	1 1/8	2 1/16	**10-3V1060E**	E	A-2	1 1/4	2 3/4
14.00	13.95	**8-3V1400E**	E	A-3	1 1/4	2 3/4	**10-3V1400E**	E	A-3	1 1/4	2 3/4
19.00	18.95	**8-3V1900E**	E	A-3	1 1/4	2 3/4	**10-3V1900E**	E	A-3	1 1/4	2 3/4
25.00	24.95	**8-3V2500E**	E	A-3	1 1/4	2 3/4	**10-3V2500F**	F	A-3	1 5/16	3 3/4
33.50	33.45	**8-3V3350F**	F	B-3	1 1/32	3 3/4	**10-3V3350F**	F	A-3	1 5/16	3 3/4

***Suffix on Type indicates construction:**
1 = Solid 2 = Web 3 = Arm/Spoke

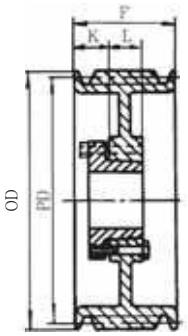
Sheaves are precision machined from gray cast iron, statically balanced, painted with baked enamel finish and individually packaged.

Order bushings separately from pages 30-31.

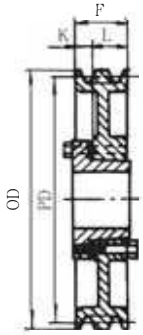
****Reverse mount only. Special bolts are required and provided by IDC Select with sheave. See page 37 for installation instructions.**

Note: Cast iron sheaves may not exceed 6,500 FPM. This speed does not specify if dynamic balancing (2 plane) is required. Contact customer service to verify whether dynamic balancing is required.

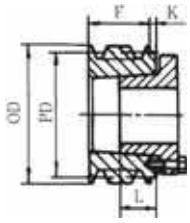
Heavy Duty Two and Three Groove 5V QD® Sheaves



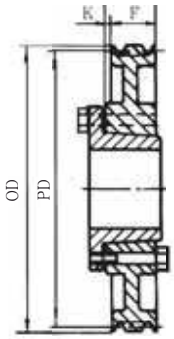
TYPE A



TYPE C



TYPE E



TYPE F

Diameters		2 Groove F = 1 11/16					3 Groove F = 2 3/8				
O.D.	P.D.	Part No.	Bush	Type*	K	L	Part No.	Bush	Type*	K	L
4.40	4.30	**2-5V440SH***	SH	A-1	11/16	1 5/16	**3-5V440SDS****	SDS	E-1	0	1 5/16
4.65	4.55	**2-5V465SDS****	SDS	E-1	3/16	1 5/16	**3-5V465SDS****	SDS	E-1	0	1 5/16
4.90	4.80	**2-5V490SDS**	SDS	A-1	11/16	1 5/16	**3-5V490SDS**	SDS	A-1	1 1/16	1 5/16
5.20	5.10	**2-5V520SDS**	SDS	A-1	11/16	1 5/16	**3-5V520SDS**	SDS	A-1	1 1/16	1 5/16
5.50	5.40	**2-5V550SDS**	SDS	A-1	11/16	1 5/16	**3-5V550SDS**	SDS	A-1	1 1/16	1 5/16
5.90	5.80	**2-5V590SDS**	SDS	A-1	11/16	1 5/16	**3-5V590SDS**	SDS	A-1	1 1/16	1 5/16
6.30	6.20	**2-5V630SK**	SK	C-1	7/16	1 15/16	**3-5V630SK**	SK	A-1	1 1/16	1 15/16
6.70	6.60	**2-5V670SK**	SK	C-1	7/16	1 15/16	**3-5V670SK**	SK	A-1	1 1/8	1 15/16
7.10	7.00	**2-5V710SK**	SK	C-1	7/16	1 15/16	**3-5V710SF**	SF	A-1	1 1/8	2 1/16
7.50	7.40	**2-5V750SK**	SK	C-1	7/16	1 15/16	**3-5V750SF**	SF	A-1	1 1/8	2 1/16
8.00	7.90	**2-5V800SK**	SK	C-2	7/16	1 15/16	**3-5V800SF**	SF	A-1	1 1/8	2 1/16
8.50	8.40	**2-5V850SK**	SK	C-2	7/16	1 15/16	**3-5V850SF**	SF	A-2	1 1/8	2 1/16
9.00	8.90	**2-5V900SK**	SK	C-2	7/16	1 15/16	**3-5V900SF**	SF	A-2	1 1/8	2 1/16
9.25	9.15	**2-5V925SK**	SK	C-2	7/16	1 15/16	**3-5V925SF**	SF	A-2	1 1/8	2 1/16
9.75	9.65	**2-5V975SK**	SK	C-3	7/16	1 15/16	**3-5V975SF**	SF	A-2	1 1/8	2 1/16
10.30	10.20	**2-5V1030SK**	SK	C-3	7/16	1 15/16	**3-5V1030SF**	SF	A-2	1 1/8	2 1/16
10.90	10.80	**2-5V1090SK**	SK	C-3	7/16	1 15/16	**3-5V1090SF**	SF	A-2	1 1/8	2 1/16
11.30	11.20	**2-5V1130SK**	SK	C-3	7/16	1 15/16	**3-5V1130SF**	SF	A-3	1 1/8	2 1/16
11.80	11.70	**2-5V1180SK**	SK	C-3	7/16	1 15/16	**3-5V1180SF**	SF	A-3	1 1/8	2 1/16
12.50	12.40	**2-5V1250SK**	SK	C-3	7/16	1 15/16	**3-5V1250E**	E	C-3	3/4	2 3/4
13.20	13.10	**2-5V1320SF**	SF	C-3	7/16	2 1/16	**3-5V1320E**	E	C-3	3/4	2 3/4
14.00	13.90	**2-5V1400SF**	SF	C-3	7/16	2 1/16	**3-5V1400E**	E	C-3	3/4	2 3/4
15.00	14.90	**2-5V1500SF**	SF	C-3	7/16	2 1/16	**3-5V1500E**	E	C-3	3/4	2 3/4
16.00	15.90	**2-5V1600SF**	SF	C-3	7/16	2 1/16	**3-5V1600E**	E	C-3	3/4	2 3/4
18.70	18.60	**2-5V1870SF**	SF	C-3	7/16	2 1/16	**3-5V1870E**	E	C-3	3/4	2 3/4
21.20	21.10	**2-5V2120SF**	SF	C-3	7/16	2 1/16	**3-5V2120E**	E	C-3	3/4	2 3/4
23.60	23.50	**2-5V2360E**	E	C-3	1/16	2 3/4	**3-5V2360E**	E	C-3	3/4	2 3/4
28.00	27.90	**2-5V2800E**	E	C-3	1/16	2 3/4	**3-5V2800E**	E	C-3	3/4	2 3/4
31.50	31.40						**3-5V3150F**	F	F-3	1/8	3 3/4
37.50	37.40						**3-5V3750F**	F	F-3	1/8	3 3/4
50.00	49.90						**3-5V5000F**	F	F-3	1/8	3 3/4

***Suffix on Type indicates construction:**
1 = Solid 2 = Web 3 = Arm/Spoke

Order bushings separately from pages 30-31.

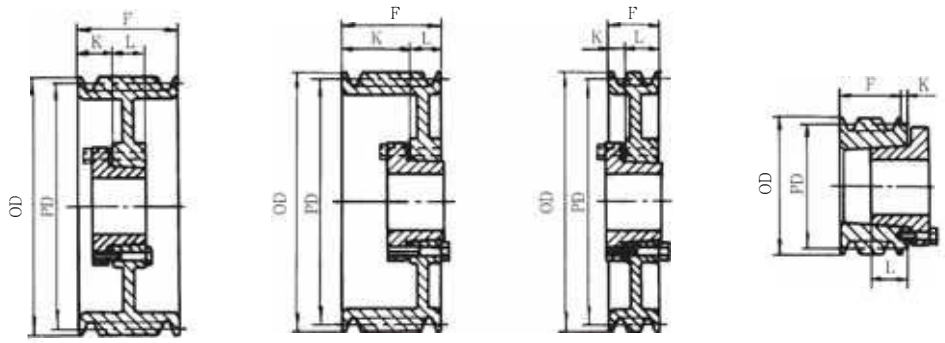
Sheaves are precision machined from gray cast iron, statically balanced, painted with baked enamel finish and individually packaged.

*** These sheaves can only be reverse mounted with standard bushing bolts. Special bolts not provided by IDC Select are required for standard mount. See page 37 for installation instructions.**

****Reverse mount. Special bolts are required and provided by IDC Select with sheave. See page 37 for installation instructions.**

Note: Cast iron sheaves may not exceed 6,500 FPM. This speed does not specify if dynamic balancing (2 plane) is required. Contact customer service to verify whether dynamic balancing is required.

Heavy Duty Four and Five Groove 5V QD® Sheaves



TYPE A TYPE B TYPE C TYPE E

Diameters		4 Groove F = 3 1/16					5 Groove F = 3 3/4				
O.D.	P.D.	Part No.	Bush	Type*	K	L	Part No.	Bush	Type*	K	L
4.40	4.30	**4-5V440SD****	SD	E-1	0	1 13/16	**5-5V440SD****	SD	E-1	0	1 13/16
4.65	4.55	**4-5V465SD**	SD	E-1	0	1 13/16	**5-5V465SD****	SD	E-1	0	1 13/16
4.90	4.80	**4-5V490SD**	SD	A-1	1 5/16	1 13/16	**5-5V490SD**	SD	A-1	1 5/16	1 13/16
5.20	5.10	**4-5V520SD**	SD	A-1	1 5/16	1 13/16	**5-5V520SD**	SD	A-1	1 5/16	1 13/16
5.50	5.40	**4-5V550SD**	SD	A-1	1 5/16	1 13/16	**5-5V550SD**	SD	A-1	1 5/16	1 13/16
5.90	5.80	**4-5V590SD**	SD	A-1	1 5/16	1 13/16	**5-5V590SK**	SK	A-1	1 5/16	1 15/16
6.30	6.20	**4-5V630SK**	SK	A-1	1 5/16	1 15/16	**5-5V630SK**	SK	A-1	1 5/16	1 15/16
6.70	6.60	**4-5V670SK**	SK	A-1	1 5/16	1 15/16	**5-5V670SF**	SF	A-1	1 3/8	2 1/16
7.10	7.00	**4-5V710SF**	SF	A-1	1 1/16	2 1/16	**5-5V710SF**	SF	A-1	1 3/8	2 1/16
7.50	7.40	**4-5V750SF**	SF	A-1	1 1/16	2 1/16	**5-5V750SF**	SF	A-1	1 3/8	2 1/16
8.00	7.90	**4-5V800E**	E	B-1	1 7/16	2 3/4	**5-5V800E**	E	A-1	1 3/4	2 3/4
8.50	8.40	**4-5V850E**	E	B-1	1 7/16	2 3/4	**5-5V850E**	E	A-1	1 3/4	2 3/4
9.00	8.90	**4-5V900E**	E	B-1	1 7/16	2 3/4	**5-5V900E**	E	A-1	1 3/4	2 3/4
9.25	9.15	**4-5V925E**	E	B-1	1 7/16	2 3/4	**5-5V925E**	E	A-1	1 3/4	2 3/4
9.75	9.65	**4-5V975E**	E	B-2	1 7/16	2 3/4	**5-5V975E**	E	A-2	1 3/4	2 3/4
10.30	10.20	**4-5V1030E**	E	B-2	1 7/16	2 3/4	**5-5V1030E**	E	A-2	1 3/4	2 3/4
10.90	10.80	**4-5V1090E**	E	B-2	1 7/16	2 3/4	**5-5V1090E**	E	A-2	1 3/4	2 3/4
11.30	11.20	**4-5V1130E**	E	B-2	1 7/16	2 3/4	**5-5V1130E**	E	A-2	1 3/4	2 3/4
11.80	11.70	**4-5V1180E**	E	B-2	1 7/16	2 3/4	**5-5V1180E**	E	A-2	1 3/4	2 3/4
12.50	12.40	**4-5V1250E**	E	B-3	1 7/16	2 3/4	**5-5V1250E**	E	A-3	1 3/4	2 3/4
13.20	13.10	**4-5V1320E**	E	B-3	1 7/16	2 3/4	**5-5V1320E**	E	A-3	1 3/4	2 3/4
14.00	13.90	**4-5V1400E**	E	B-3	1 7/16	2 3/4	**5-5V1400E**	E	A-3	1 3/4	2 3/4
15.00	14.90	**4-5V1500E**	E	B-3	1 7/16	2 3/4	**5-5V1500E**	E	A-3	1 3/4	2 3/4
16.00	15.90	**4-5V1600E**	E	B-3	1 7/16	2 3/4	**5-5V1600E**	E	A-3	1 3/4	2 3/4
18.70	18.60	**4-5V1870E**	E	A-3	1 1/4	2 3/4	**5-5V1870F**	F	B-3	1 1/4	3 3/4
21.20	21.10	**4-5V2120E**	E	A-3	1 1/4	2 3/4	**5-5V2120F**	F	B-3	1 1/4	3 3/4
23.60	23.50	**4-5V2360F**	F	C-3	7/8	3 3/4	**5-5V2360F**	F	B-3	1 1/4	3 3/4
28.00	27.90	**4-5V2800F**	F	C-3	7/8	3 3/4	**5-5V2800F**	F	B-3	1 1/4	3 3/4
31.50	31.40	**4-5V3150F**	F	C-3	7/8	3 3/4	**5-5V3150J**	J	C-3	9/16	4 5/8
37.50	37.40	**4-5V3750F**	F	C-3	7/8	3 3/4	**5-5V3750J**	J	C-3	9/16	4 5/8
50.00	45.90	**4-5V5000J**	J	B-3	1/8	4 5/8	**5-5V5000J**	J	C-3	9/16	4 5/8

***Suffix on Type indicates construction:**
1 = Solid 2 = Web 3 = Arm/Spoke

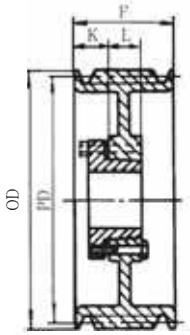
Order bushings separately from pages 30-31.

Sheaves are precision machined from gray cast iron, statically balanced, painted with baked enamel finish and individually packaged.

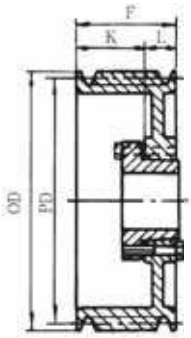
****Reverse mount only. Special bolts are required and provided by IDC Select with the sheave. See page 37 for installation instructions.**

Note: Cast iron sheaves may not exceed 6,500 FPM. This speed does not specify if dynamic balancing (2 plane) is required. Contact customer service to verify whether dynamic balancing is required.

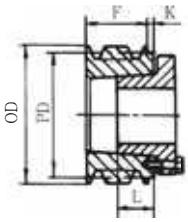
Heavy Duty Six and Eight Groove 5V QD® Sheaves



TYPE A



TYPE B



TYPE E

Diameters		6 Groove F = 4 7/16					8 Groove F = 5 13/16				
O.D.	P.D.	Part No.	Bush	Type*	K	L	Part No.	Bush	Type*	K	L
4.40	4.30	**6-5V440SD**	SD	E-1	0	1 13/16					
4.65	4.55	**6-5V465SD**	SD	E-1	0	1 13/16					
4.90	4.80	**6-5V490SD**	SD	A-1	1 5/16	1 13/16					
5.20	5.10	**6-5V520SD**	SD	A-1	1 5/16	1 13/16					
5.50	5.40	**6-5V550SD**	SD	A-1	1 5/16	1 13/16					
5.90	5.80	**6-5V590SK**	SK	A-1	1 5/16	1 15/16					
6.30	6.20	**6-5V630SK**	SK	A-1	1 5/16	1 15/16					
6.70	6.60	**6-5V670SF**	SF	A-1	1 5/8	2 1/16					
7.10	7.00	**6-5V710SF**	SF	A-1	1 5/8	2 1/16	**8-5V710SF**	SF	A-1	2 1/8	2 1/16
7.50	7.40	**6-5V750SF**	SF	A-1	1 5/8	2 1/16	**8-5V750SF**	SF	A-1	2 1/8	2 1/16
8.00	7.90	**6-5V800E**	E	A-1	2	2 3/4	**8-5V800E**	E	A-1	2 1/2	2 3/4
8.50	8.40	**6-5V850E**	E	A-1	2	2 3/4	**8-5V850E**	E	A-1	2 1/2	2 3/4
9.00	8.90	**6-5V900E**	E	A-1	2	2 3/4	**8-5V900E**	E	A-1	2 1/2	2 3/4
9.25	9.15	**6-5V925E**	E	A-1	2	2 3/4	**8-5V925F**	F	A-1	2 9/16	3 3/4
9.75	9.65	**6-5V975E**	E	A-2	2	2 3/4	**8-5V975F**	F	A-1	2 9/16	3 3/4
10.30	10.20	**6-5V1030E**	E	A-2	2	2 3/4	**8-5V1030F**	F	A-1	2 9/16	3 3/4
10.90	10.80	**6-5V1090E**	E	A-2	2	2 3/4	**8-5V1090F**	F	A-2	2 9/16	3 3/4
11.30	11.20	**6-5V1130E**	E	A-2	2	2 3/4	**8-5V1130F**	F	A-2	2 9/16	3 3/4
11.80	11.70	**6-5V1180E**	E	A-2	2	2 3/4	**8-5V1180F**	F	A-2	2 9/16	3 3/4
12.50	12.40	**6-5V1250F**	F	B-3	15/16	3 3/4	**8-5V1250F**	F	A-2	2 9/16	3 3/4
13.20	13.10	**6-5V1320F**	F	B-3	15/16	3 3/4	**8-5V1320F**	F	A-3	2 9/16	3 3/4
14.00	13.90	**6-5V1400F**	F	B-3	15/16	3 3/4	**8-5V1400F**	F	A-3	2 9/16	3 3/4
15.00	14.90	**6-5V1500F**	F	B-3	15/16	3 3/4	**8-5V1500F**	F	A-3	2 9/16	3 3/4
16.00	15.90	**6-5V1600F**	F	B-3	15/16	3 3/4	**8-5V1600F**	F	A-3	2 9/16	3 3/4
18.70	18.60	**6-5V1870F**	F	A-3	1 5/16	3 3/4	**8-5V1870J**	J	A-3	1 9/16	4 5/8
21.20	21.10	**6-5V2120F**	F	A-3	1 15/16	3 3/4	**8-5V2120J**	J	A-3	1 9/16	4 5/8
23.60	23.50	**6-5V2360J**	J	B-3	1 1/4	4 5/8	**8-5V2360J**	J	A-3	1 9/16	4 5/8
28.00	27.90	**6-5V2800J**	J	B-3	1 1/4	4 5/8	**8-5V2800J**	J	A-3	1 9/16	4 5/8
31.50	31.40	**6-5V3150J**	J	B-3	1 1/4	4 5/8	**8-5V3150M•**	M	B-3	5/8	6 3/4
37.50	37.40	**6-5V3750J**	J	B-3	1 1/4	4 5/8	**8-5V3750M•**	M	B-3	5/8	6 3/4
50.00	45.50	**6-5V5000M•**	M	C-3	3/4	6 3/4	**8-5V5000M•**	M	B-3	5/8	6 3/4

***Suffix on Type indicates construction:**
1 = Solid 2 = Web 3 = Arm/Spoke

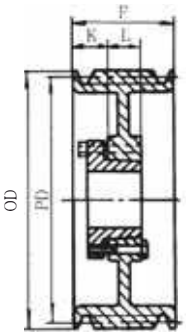
Sheaves are precision machined from gray cast iron, statically balanced, painted with baked enamel finish and individually packaged.

Order bushings separately from pages 30-31.

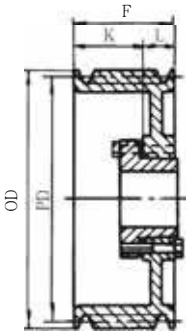
- **M-N-P-W bushings use standard mounting only with these sheaves. See page 37 for installation instructions.**

Note: Cast iron sheaves may not exceed 6,500 FPM. This speed does not specify if dynamic balancing (2 plane) is required. Contact customer service to verify whether dynamic balancing is required.

Heavy Duty Ten Groove 5V QD® Sheaves



TYPE A



TYPE B

Diameters		10 Groove F = 7 3/16				
O.D.	P.D.	Part No.	Bush	Type*	K	L
8.00	7.90	**10-5V800E**	E	A-1	3 1/4	2 3/4
8.50	8.40	**10-5V850E**	E	A-1	3 1/4	2 3/4
9.00	8.90	**10-5V900F**	F	A-1	3 5/16	3 3/4
9.25	9.15	**10-5V925F**	F	A-1	3 5/16	3 3/4
9.75	9.65	**10-5V975F**	F	A-1	3 5/16	3 3/4
10.30	10.20	**10-5V1030F**	F	A-1	3 5/16	3 3/4
10.90	10.80	**10-5V1090F**	F	A-2	3 5/16	3 3/4
11.30	11.20	**10-5V1130F**	F	A-2	3 5/16	3 3/4
11.80	11.70	**10-5V1180F**	F	A-2	3 5/16	3 3/4
12.50	12.40	**10-5V1250J**	J	A-2	3 9/16	4 5/8
13.20	13.10	**10-5V1320J**	J	A-2	3 9/16	4 5/8
14.00	13.90	**10-5V1400J**	J	A-2	3 9/16	4 5/8
15.00	14.90	**10-5V1500J**	J	A-2	3 9/16	4 5/8
16.00	15.90	**10-5V1600J**	J	A-3	3 9/16	4 5/8
18.70	18.60	**10-5V1870J**	J	A-3	1 9/16	4 5/8
21.20	21.10	**10-5V2120J**	J	A-3	1 9/16	4 5/8
23.60	23.50	**10-5V2360M•**	M	B-3	1 15/16	6 3/4
28.00	27.90	**10-5V2800M•**	M	B-3	1 15/16	6 3/4
31.50	31.40	**10-5V3150M•**	M	B-3	1 15/16	6 3/4
37.50	37.40	**10-5V3750M•**	M	B-3	1 15/16	6 3/4
50.00	49.40	**10-5V5000M•**	M	B-3	1 15/16	6 3/4

***Suffix on Type indicates construction:**
1 = Solid 2 = Web 3 = Arm/Spoke

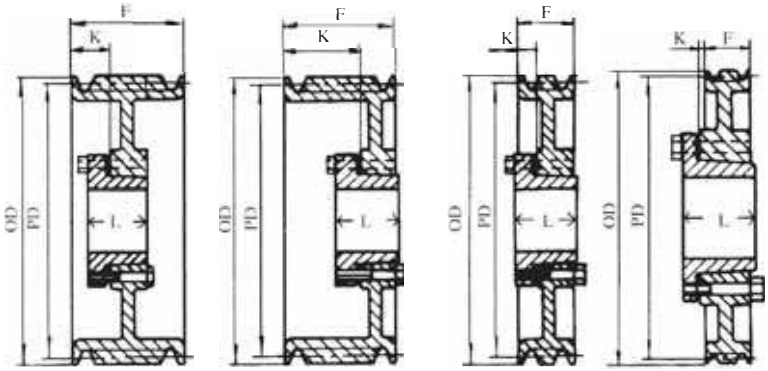
Order bushings separately from pages 30-31.

Sheaves are precision machined from gray cast iron, statically balanced, painted with baked enamel finish and individually packaged.

- **M-N-P-W bushings use standard mounting only with these sheaves. See page 37 for installation instructions.**

Note: Cast iron sheaves may not exceed 6,500 FPM. This speed does not specify if dynamic balancing (2 plane) is required. Contact customer service to verify whether dynamic balancing is required.

Heavy Duty Four, Five, Six & Eight Groove 8V QD® Sheaves



Type A Type B Type C Type F

Diameters		4 Groove F = 4⅞					5 Groove F = 6				
O.D.	P.D.	Part No.	Bush	Type*	K	L	Part No.	Bush	Type*	K	L
12.50	12.30	**4-8V1250F**	F	A-1	1 3/16	3 3/4	**5-8V1250F**	F	A-1	2 5/16	3 3/4
13.20	13.00	**4-8V1320F**	F	A-2	1 3/16	3 3/4	**5-8V1320F**	F	A-2	2 5/16	3 3/4
14.00	13.80	**4-8V1400F**	F	A-2	1 3/16	3 3/4	**5-8V1400F**	F	A-2	2 5/16	3 3/4
15.00	14.80	**4-8V1500F**	F	A-2	1 3/16	3 3/4	**5-8V1500F**	F	A-2	2 5/16	3 3/4
16.00	15.80	**4-8V1600F**	F	A-2	1 3/16	3 3/4	**5-8V1600F**	F	A-2	2 5/16	3 3/4
17.00	16.80	**4-8V1700F**	F	A-3	1 3/16	3 3/4	**5-8V1700J**	J	A-3	2	4 5/8
18.00	17.80	**4-8V1800F**	F	A-3	1 3/16	3 3/4	**5-8V1800J**	J	A-3	2	4 5/8
19.00	18.80	**4-8V1900F**	F	A-3	1 3/16	3 3/4	**5-8V1900J**	J	A-3	2	4 5/8
20.00	19.80	**4-8V2000J**	J	A-3	1 7/16	4 5/8	**5-8V2000J**	J	A-3	2	4 5/8
21.20	21.00	**4-8V2120J**	J	A-3	1 7/16	4 5/8	**5-8V2120J**	J	A-3	2	4 5/8
22.40	22.20	**4-8V2240J**	J	A-3	1 7/16	4 5/8	**5-8V2240M•**	M	B-3	13/16	6 3/4
24.80	24.60	**4-8V2480M•**	M	F-3	5/16	6 3/4	**5-8V2480M•**	M	B-3	13/16	6 3/4
30.00	29.80	**4-8V3000M•**	M	F-3	5/16	6 3/4	**5-8V3000M•**	M	B-3	13/16	6 3/4
35.50	35.30	**4-8V3550M•**	M	F-3	5/16	6 3/4	**5-8V3550M•**	M	B-3	13/16	6 3/4
40.00	39.80	**4-8V4000M•**	M	F-3	5/16	6 3/4	**5-8V4000M•**	M	B-3	13/16	6 3/4

Diameters		6 Groove F = 7⅛					8 Groove F = 9⅜				
O.D.	P.D.	Part No.	Bush	Type*	K	L	Part No.	Bush	Type*	K	L
12.50	12.30	**6-8V1250F**	F	A-1	2 5/16	3 3/4	**8-8V1250J**	J	A-1	3 9/16	4 5/8
13.20	13.00	**6-8V1320F**	F	A-1	2 5/16	3 3/4	**8-8V1320J**	J	A-1	3 9/16	4 5/8
14.00	13.80	**6-8V1400F**	F	A-1	2 5/16	3 3/4	**8-8V1400J**	J	A-1	3 9/16	4 5/8
15.00	14.80	**6-8V1500J**	J	A-1	2 9/16	4 5/8	**8-8V1500J**	J	A-1	3 9/16	4 5/8
16.00	15.80	**6-8V1600J**	J	A-1	2 9/16	4 5/8	**8-8V1600J**	J	A-1	3 9/16	4 5/8
17.00	16.80	**6-8V1700J**	J	A-2	2 9/16	4 5/8	**8-8V1700M•**	M	A-2	3 15/16	6 3/4
18.00	17.80	**6-8V1800J**	J	A-2	2 9/16	4 5/8	**8-8V1800M•**	M	A-2	3 15/16	6 3/4
19.00	18.80	**6-8V1900J**	J	A-2	2 9/16	4 5/8	**8-8V1900M•**	M	A-2	3 15/16	6 3/4
20.00	19.80	**6-8V2000M•**	M	B-2	15/16	6 3/4	**8-8V2000M•**	M	A-2	3 15/16	6 3/4
21.20	21.00	**6-8V2120M•**	M	B-2	15/16	6 3/4	**8-8V2120M•**	M	A-2	3 15/16	6 3/4
22.40	22.20	**6-8V2240M•**	M	B-3	15/16	6 3/4	**8-8V2240M•**	M	A-3	3 15/16	6 3/4
24.80	24.60	**6-8V2480M•**	M	B-3	1 15/16	6 3/4	**8-8V2480N•**	N	A-3	2 1/4	8 1/8
30.00	29.80	**6-8V3000M•**	M	B-3	1 15/16	6 3/4	**8-8V3000N•**	N	A-3	2 1/4	8 1/8
35.50	35.30	**6-8V3550N•**	N	C-3	1 1/8	8 1/8	**8-8V3550N•**	N	A-3	2 1/4	8 1/8
40.00	39.80	**6-8V4000N•**	N	C-3	1 1/8	8 1/8	**8-8V4000N•**	N	A-3	2 1/4	8 1/8

***Suffix on Type indicates construction:**
1 = Solid 2 = Web 3 = Arm/Spoke

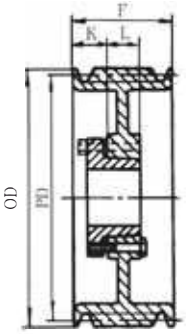
Order bushings separately from pages 30-31.

Sheaves are precision machined from gray cast iron, statically balanced, painted with baked enamel finish and individually packaged.

• M-N-P-W bushings use standard mounting only with these sheaves. See page 37 for installation instructions.

Note: Cast iron sheaves may not exceed 6,500 FPM. This speed does not specify if dynamic balancing (2 plane) is required. Contact customer service to verify whether dynamic balancing is required.

Heavy Duty Ten Groove 8V QD® Sheaves



TYPE A

Diameters		10 Groove F = 13⅞				
O.D.	P.D.	Part No.	Bush	Type*	K	L
12.50	12.30	**10-8V1250J**	J	A-1	3 9/16	4⅝
13.20	13.00	**10-8V1320J**	J	A-1	3 9/16	4⅝
14.00	13.80	**10-8V1400J**	J	A-1	3 9/16	6¾
15.00	14.80	**10-8V1500M•**	M	A-1	3 15/16	6¾
16.00	15.80	**10-8V1600M•**	M	A-2	3 15/16	6¾
17.00	16.80	**10-8V1700M•**	M	A-2	3 15/16	6¾
18.00	17.80	**10-8V1800M•**	M	A-2	3 15/16	6¾
19.00	18.80	**10-8V1900M•**	M	A-2	3 15/16	6¾
20.00	19.80	**10-8V2000M•**	M	A-2	3 15/16	6¾
21.20	21.00	**10-8V2120M•**	M	A-2	3 15/16	6¾
22.40	22.20	**10-8V2240N•**	N	A-2	2¼	8⅛
24.80	24.60	**10-8V2480N•**	N	A-2	2¼	8⅛
30.00	29.80	**10-8V3000N•**	N	A-2	2¼	8⅛

***Suffix on Type indicates construction:**
= Arm/Spoke

Order bushings separately from pages 30-31.

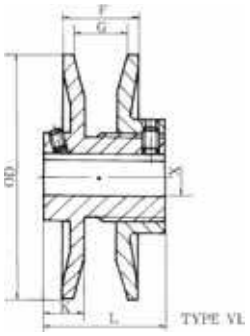
Sheaves are precision machined from gray cast iron, statically balanced, painted with baked enamel finish and individually packaged.

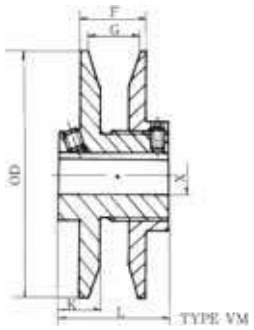
- **M-N-P-W bushings use standard mounting only with these sheaves. See page 37 for installation instructions.**

1 = Solid 2 = Web 3

Note: Cast iron sheaves may not exceed 6,500 FPM. This speed does not specify if dynamic balancing (2 plane) is required. Contact customer service to verify whether dynamic balancing is required.

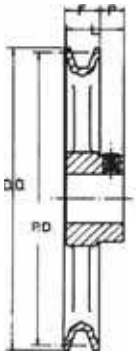
LIGHT DUTY SHEAVES 1VL & AL





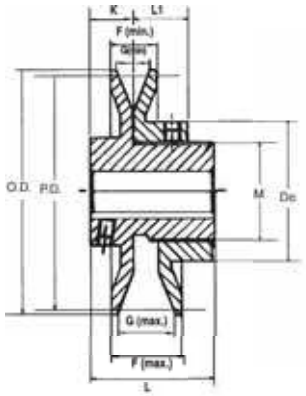
Part No.	Dimensions (in.)							Stock Bores (in.)
	O.D.	F		G		L	K	
		Max.	Min.	Max.	Min.			
1VL25	2.50	25/32	17/32	5/8	3/8	1 1/2	37/64	1/2, 5/8
1VL30	2.87	25/32	17/32	5/8	3/8	1 1/2	37/64	1/2, 5/8
1VL34	3.15	1	5/8	7/8	1/2	1 11/16	37/64	1/2, 5/8, 3/4
1VL40	3.75	1	5/8	7/8	1/2	1 11/16	37/64	1/2, 5/8, 3/4, 7/8
1VL44	4.15	1	5/8	7/8	1/2	1 11/16	37/64	1/2, 5/8, 3/4, 7/8
1VM50	4.75	1 1/16	11/16	7/8	1/2	1 7/8	21/32	1/2, 5/8, 3/4, 7/8

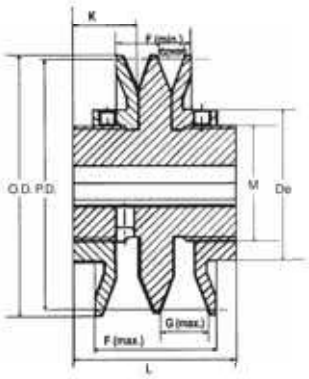
Cast Iron Sheaves - Light Duty
Bored to Size
One Groove
AL Sheaves
Order Part number size
Example: no keyway = AL54-5/8, with keyway = AL54-5/8KW
AL Sheaves may be used with 3L, 4L, and A Belts



AL Sheaves come with or without Keyway and are for Light Applications - Fans, Air Conditioning Units, Furnace Blowers, etc.

Part No	O.D.	Pitch	F	L	P	Stock Bores (in.)	Hub O.D.	Average Wt.
AL54	4.93	4.78	.593	1.062	.468	5/8, 3/4, 1	1.7	1.2
AL64	5.93	5.78	.593	1.062	.468	5/8, 3/4, 1	1.7	1.4
AL74	6.93	6.78	.593	1.062	.468	5/8, 3/4, 1	1.7	1.7
AL84	7.93	7.78	.593	1.062	.468	5/8, 3/4, 1	1.7	1.9
AL94	8.93	8.78	.593	1.062	.468	3/4, 1	1.9	2.6
AL104	9.93	9.78	.593	1.062	.468	3/4, 1	2.0	3.0
AL114	10.93	10.78	.593	1.062	.468	3/4, 1	2.0	3.5
AL124	11.93	11.78	.593	1.062	.468	3/4, 1	2.0	4.0
AM144	14.16	14.00	6.87	1.750	.406	1	2.0	5.2

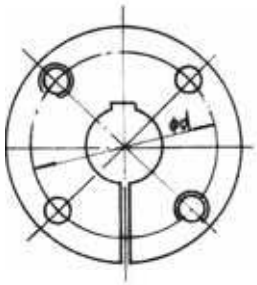




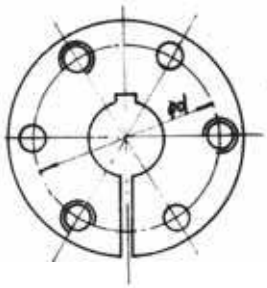
Part No.	Single Groove Dimensions (in.)								Stock Bores (in.)
	Type	O.D.	F		G		L	K	
			Max.	Min.	Max.	Min.			
1VP25	1	2.32	.81	.56	.63	.38	1.59	1.62	½, ⅝, ¾
1VP30	1	2.87	.81	.56	.63	.38	1.66	.63	½, ⅝, ¾
1VP34	1	3.15	1.00	.69	.81	.50	1.88	.78	½, ⅝, ¾, ⅞, 1, 1⅛
1VP40	1	3.75	1.06	.69	.88	.50	1.88	.66	½, ⅝, ¾, ⅞, 1, 1⅛
1VP44	1	4.15	1.06	.69	.88	.50	1.88	.66	½, ⅝, ¾, ⅞, 1, 1⅛
1VP50	1	4.75	1.06	.69	.88	.50	2.00	.78	½, ⅝, ¾, ⅞, 1, 1⅛
1VP56	1	5.35	1.06	.69	.88	.50	2.00	.78	½, ⅝, ¾, ⅞, 1, 1⅛
1VP60	1	6.00	1.25	.88	1.031	.66	2.16	.85	⅝, ¾, ⅞, 1⅛, 1⅜, 1⅝
1VP62	1	5.95	1.13	.75	.88	.50	2.00	.78	⅝, ¾, ⅞, 1, 1⅛, 1¼, 1⅜
1VP65	1	6.50	1.25	.88	1.03	.66	2.16	.85	¾, ⅞, 1⅛, 1⅜
1VP68	1	6.55	1.13	.75	.88	.50	2.00	.78	⅝, ¾, ⅞, 1, 1⅛, 1¼, 1⅜
1VP71	1	7.10	1.25	.88	1.03	.66	2.16	.85	¾, ⅞, 1⅛, 1⅜, 1⅝
1VP75	1	7.50	1.25	.88	1.03	.66	2.16	.85	¾, ⅞, 1⅛, 1⅜, 1⅝

Part No.	Two Groove Dimensions (in.)								Stock Bores (in.)
	Type	O.D.	F		G		L	K	
			Max.	Min.	Max.	Min.			
2VP36	2	3.35	2.00	1.38	.81	.50	3.00	1.19	½, ⅝, ¾, ⅞, 1, 1⅛
2VP42	2	3.95	2.13	1.38	.88	.50	3.00	1.19	⅝, ¾, ⅞, 1, 1⅛
2VP50	2	4.75	2.13	1.38	.88	.50	3.00	1.19	⅝, ¾, ⅞, 1, 1⅛
2VP56	2	5.35	2.13	1.38	.88	.50	3.00	1.19	⅝, ¾, ⅞, 1, 1⅛
2VP60	2	6.00	2.38	1.63	1.03	.66	3.25	1.25	¾, ⅞, 1, 1⅛, 1⅜, 1⅝
2VP62	2	5.95	2.13	1.38	.88	.50	3.00	1.19	¾, ⅞, 1, 1⅛, 1⅜, 1⅝
2VP65	2	6.50	2.38	1.63	1.03	.66	3.25	1.25	¾, ⅞, 1⅛, 1⅜, 1⅝
2VP68	2	6.55	2.13	1.38	.88	.50	3.00	1.19	¾, ⅞, 1, 1¼, 1⅜, 1⅝
2VP71	2	7.10	2.38	1.63	1.03	.66	3.25	1.25	¾, ⅞, 1⅛, 1⅜, 1⅝
2VP75	2	7.50	2.38	1.63	1.03	.66	3.25	1.25	¾, ⅞, 1⅛, 1⅜, 1⅝

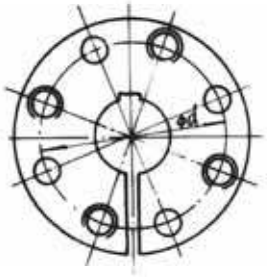
Bore Range	Keyseat
½	None
⅝ – ⅞	3⁄16 x 3⁄32



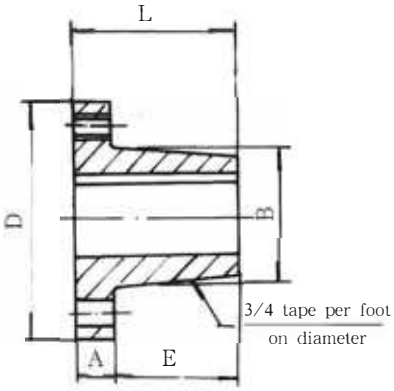
Bushing
H



Bushing
JA to J



Bushing
M



H & QD BUSHINGS – DIMENSIONS (in.)

Bushing	A	B	D	E	L	Bolt Required	Cap Screws Grade 5
H	1/4	1.625	2 1/2	1	1 1/4	2	2 1/4 x 3/4
JA	5/16	1.375	2	11/16	1	1.665	3-10 x 1
SH	7/16	1.871	2 11/16	7/8	1 5/16	2 1/4	3 1/4 x 1 3/8
SDS	7/16	2.187	3 1/8	7/8	1 5/16	2 11/16	3 1/4 x 1 3/8
SD	7/16	2.187	3 1/8	1 3/8	1 13/16	2 11/16	3 1/4 x 1 7/8
SK	9/16	2.812	3 7/8	1 3/8	1 15/16	3 5/16	3 5/16 x 2
SF	5/8	3.125	4 5/8	1 7/16	2 1/16	3 7/8	3 3/8 x 2
E	7/8	3.834	6	1 7/8	2 3/4	5	3 1/2 x 2 3/4
F	1	4.437	6 5/8	2 3/4	3 3/4	5 5/8	3 9/16 x 3 5/8
J	1 1/8	5.148	7 1/4	3 1/2	4 5/8	6 1/4	3 5/8 x 4 1/2
M	1 1/4	6.500	9	5 1/2	6 3/4	7 7/8	4 3/4 x 6 3/4

Bushing	Bore Range (in.)	Keyseat (in.)
H	3/8, 7/16, 1/2, 9/16	1/8 x 1/16
	5/8, 11/16, 3/4, 13/16, 7/8	3/16 x 3/32
	15/16, 1, 1 1/16, 1 1/8, 1 3/16, 1 1/4	1/4 x 1/8
	1 5/16, 1 3/8	5/16 x 1/16*
	1 7/16, 1 1/2	3/8 x 1/16*
JA	7/16, 1/2, 9/16	1/8 x 1/16
	5/8, 11/16, 3/4, 13/16, 7/8	3/16 x 3/32
	15/16, 1	1/4 x 1/8
	1 1/16, 1 1/8, 1 3/16	1/4 x 1/16*
	1 1/4	No Key
SH	1/2, 9/16	1/8 x 1/16
	5/8, 11/16, 3/4, 13/16, 7/8	3/16 x 3/32
	15/16, 1, 1 1/16, 1 1/8, 1 3/16, 1 1/4	1/4 x 1/8
	1 5/16, 1 3/8	5/16 x 5/32
	1 7/16, 1 1/2, 1 9/16, 1 5/8	3/8 x 1/16*
	1 11/16	No Key
SDS	1/2, 9/16	1/8 x 1/16
	5/8, 11/16, 3/4, 13/16, 7/8	3/16 x 3/32
	15/16, 1, 1 1/16, 1 1/8, 1 3/16, 1 1/4	1/4 x 1/8
	1 5/16, 1 3/8	5/16 x 5/32
	1 7/16, 1 1/2, 1 9/16, 1 5/8, 1 11/16	3/8 x 3/16
	1 3/4	3/8 x 1/8*
	1 13/16	1/2 x 1/8*
	1 7/8, 1 15/16	1/2 x 1/16*
	2	No Key

Bushing	Bore Range (in.)	Keyseat (in.)
SD	1/2, 9/16	1/8 x 1/16
	5/8, 11/16, 3/4, 13/16, 7/8	3/16 x 3/32
	15/16, 1, 1 1/16, 1 1/8, 1 3/16, 1 1/4	1/4 x 1/8
	1 5/16, 1 3/8	5/16 x 5/32
	1 7/16, 1 1/2, 1 9/16, 1 5/8, 1 11/16	3/8 x 3/16
	1 3/4	3/8 x 1/8*
	1 13/16	1/2 x 1/8*
	1 7/8, 1 15/16	1/2 x 1/16*
	2	No Key
SK	1/2, 9/16	1/8 x 1/16
	5/8, 11/16, 3/4, 13/16, 7/8	3/16 x 3/32
	15/16, 1, 1 1/16, 1 1/8, 1 3/16, 1 1/4	1/4 x 1/8
	1 5/16, 1 3/8	5/16 x 5/32
	1 7/16, 1 1/2, 1 9/16, 1 5/8, 1 11/16, 1 3/4	3/8 x 3/16
	1 13/16, 1 7/8, 1 15/16, 2, 2 1/16, 2 1/8	1/2 x 1/4
	2 3/16, 2 1/4	1/2 x 1/8*
	2 5/16, 2 3/8, 2 7/16, 2 1/2	5/8 x 1/16*
	2 5/8, 2 9/16	No Key
SF	1/2, 9/16	1/8 x 1/16
	5/8, 11/16, 3/4, 13/16, 7/8	3/16 x 3/32
	15/16, 1, 1 1/16, 1 1/8, 1 3/16, 1 1/4	1/4 x 1/8
	1 5/16, 1 3/8	5/16 x 5/32
	1 7/16, 1 1/2, 1 9/16, 1 5/8, 1 11/16, 1 3/4	3/8 x 3/16
	1 13/16, 1 7/8, 1 15/16, 2, 2 1/16	1/2 x 1/4
	2 1/8, 2 3/16, 2 1/4	1/2 x 1/4
	2 5/16, 2 3/8, 2 7/16, 2 1/2	5/8 x 3/16*
	2 5/8, 2 11/16, 2 3/4, 2 9/16	5/8 x 1/16*
	2 13/16, 2 7/8	3/4 x 1/16*
	2 15/16	No Key

*Shallow Keyseat — Keystock is supplied with bushing

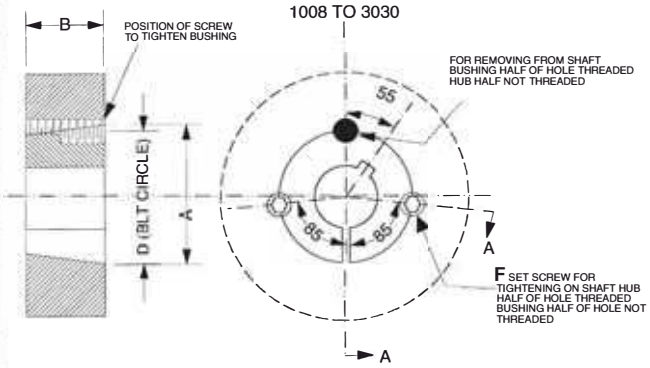
Bushing	Bore Range (in.)	Keyseat (in.)
E	7/8, 15/16	3/16 x 3/32
	1, 1 1/16, 1 1/8, 1 3/16, 1 1/4	1/4 x 1/8
	1 5/16, 1 3/8	5/16 x 5/32
	1 7/16, 1 1/2, 1 9/16, 1 5/8, 1 11/16, 1 3/4	3/8 x 3/16
	1 13/16, 1 7/8, 1 15/16, 2, 2 1/16,	1/2 x 1/4
	2 1/8, 2 3/16, 2 1/4	1/2 x 1/4
	2 5/16, 2 3/8, 2 7/16, 2 1/2, 2 9/16, 2 5/8	5/8 x 5/16
	2 11/16, 2 3/4	5/8 x 5/16
	2 13/16, 2 7/8, 2 15/16, 3, 3 1/16	3/4 x 1/8*
	3 1/8, 3 3/16, 3 1/4	3/4 x 1/8*
	3 5/16, 3 3/8, 3 7/16	7/8 x 1/16*
	3 1/2	No Key
F	1, 1 1/16, 1 1/8, 1 3/16, 1 1/4	1/4 x 1/8
	1 5/16, 1 3/8	5/16 x 5/32
	1 7/16, 1 1/2, 1 9/16, 1 5/8, 1 11/16, 1 3/4	3/8 x 3/16
	1 13/16, 1 7/8, 1 15/16, 2, 2 1/16	1/2 x 1/4
	2 1/8, 2 3/16, 2 1/4	1/2 x 1/4
	2 5/16, 2 3/8, 2 7/16, 2 1/2, 2 5/8, 2 9/16	5/8 x 5/16
	2 11/16, 2 3/4	5/8 x 5/16
	2 13/16, 2 7/8, 2 15/16, 3, 3 1/16	3/4 x 3/8
	3 1/8, 3 3/16, 3 1/4	3/4 x 3/8
	3 5/16, 3 3/8, 3 7/16, 3 1/2, 3 9/16	7/8 x 3/16*
	3 5/8, 3 11/16, 3 3/4	7/8 x 3/16*
	3 7/8, 3 15/16	1 x 1/8*
	4	No Key
J	1 7/16, 1 1/2, 1 9/16, 1 5/8, 1 11/16, 1 3/4	3/8 x 3/16
	1 7/8, 1 15/16, 2, 2 1/16	1/2 x 1/4
	2 1/8, 2 3/16, 2 1/4	1/2 x 1/4
	2 5/16, 2 3/8, 2 7/16, 2 1/2, 2 9/16, 2 5/8	5/8 x 5/16
	2 11/16, 2 3/4, 2 13/16	5/8 x 5/16
	2 7/8, 2 15/16, 3, 3 1/16	3/4 x 3/8
	3 1/8, 3 3/16, 3 1/4	3/4 x 3/8
	3 5/16, 3 3/8, 3 7/16, 3 1/2, 3 11/16	7/8 x 7/16
	3 5/8, 3 11/16, 3 3/4	7/8 x 7/16*
	3 13/16, 3 7/8, 3 15/16	1 x 3/8*
	4, 4 1/8, 4 3/16, 4 1/4, 4 3/8, 4 7/16, 4 1/2	1 x 1/8*
M	1 15/16, 2, 2 1/16, 2 1/8	1/2 x 1/4
	2 3/16, 2 1/4, 2 5/16	1/2 x 1/4
	2 3/8, 2 7/16, 2 1/2, 2 9/16, 2 5/8	5/8 x 5/16
	2 11/16, 2 3/4, 2 13/16	5/8 x 5/16
	2 7/8, 2 15/16, 3, 3 1/16	3/4 x 3/8
	3 1/8, 3 3/16, 3 1/4, 3 5/16	3/4 x 3/8
	3 3/8, 3 7/16, 3 1/2, 3 9/16	7/8 x 7/16
	3 5/8, 3 11/16, 3 3/4	7/8 x 7/16
	3 13/16, 3 7/8, 3 15/16	1 x 1/2
	4, 4 1/8, 4 3/16, 4 1/4, 4 3/8, 4 7/16, 4 1/2	1 x 1/2
	4 5/8, 4 11/16, 4 3/4, 4 13/16	1 1/4 x 5/8
	4 7/8, 4 15/16	1 1/4 x 3/4*
	5, 5 3/16, 5 1/4, 5 3/8, 5 7/16, 5 1/2	1 1/4 x 3/4*
N	CALL FOR AVAILABILITY	
P	CALL FOR AVAILABILITY	

*Shallow Keyseat — Keystock is supplied with bushing

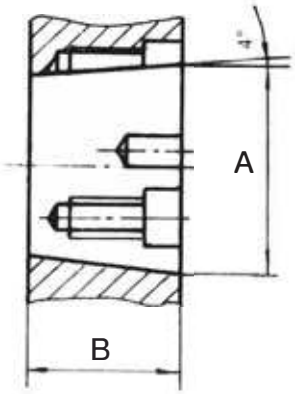
Bushing	Bore Range (mm)	Keyseat (mm)
H	10, 11	No Key
	14, 15, 16	5 x 5
	18, 19, 20, 22	6 x 6
	24, 25, 28, 30	8 x 7
	32, 35, 38	10 x 8
JA	15, 16	5 x 5
	19, 20	6 x 6
	24, 25, 28	8 x 7
SH	20, 22	6 x 6
	24, 25, 28, 30	8 x 7
	32, 35, 38	10 x 8
SDS	24, 25, 28, 30	8 x 7
	32, 35, 38	10 x 8
	40, 42	12 x 8
SD	24, 25, 28, 30	8 x 7
	32, 35, 38	10 x 8
	40, 42	12 x 8
SK	14	5 x 5
	24, 25, 28, 30	8 x 7
	32, 35, 38	10 x 8
	40, 42	12 x 8
	45, 48, 50	14 x 9
	55	16 x 10
	60	18 x 11
SF	28, 30	8 x 7
	32, 35, 38	10 x 8
	40, 42	12 x 8
	45, 48, 50	14 x 9
	55	16 x 10
	60, 65	18 x 11
E	35, 38	10 x 8
	40, 42	12 x 8
	45, 48, 50	14 x 9
	55	16 x 10
	60, 65	18 x 11
	70, 75	20 x 12
	80	22 x 14
F	42	12 x 8
	45, 48, 50	14 x 9
	55	16 x 10
	60, 65	18 x 11
	70, 75	20 x 12
	80, 85	22 x 14
	90	25 x 14
J	50	14 x 9
	55	16 x 10
	60, 65	18 x 11
	70, 75	20 x 12
	80, 85	22 x 14
	90, 95	25 x 14
	100	28 x 16
M	80	22 x 14
	90	25 x 14
	100	28 x 16
	120	32 x 18

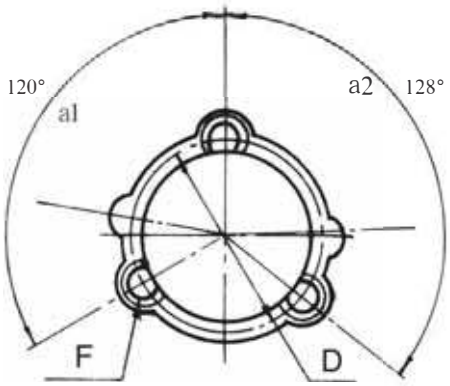
Bush No.	Bore Range (in.)	Keyseat (in.)
1008	½, 9/16	⅛ x 1/16
	⅝, 11/16, ¾, 13/16, ⅞	3/16 x 3/32
	15/16, 1	¼ x 1/16
1108	½, 9/16	⅛ x 1/16
	⅝, 11/16, ¾, 13/16, ⅞	3/16 x 3/32
	15/16, 1	¼ x ⅛
	1 1/16, 1⅛	¼ x 1/16
1210 1215	½, 9/16	⅛ x 1/16
	⅝, 11/16, ¾, 13/16, ⅞	3/16 x 3/32
	15/16, 1, 1 1/16, 1⅛, 1 3/16, 1¼	¼ x ⅛
1310	½, 9/16	⅛ x 1/16
	⅝, 11/16, ¾, 13/16, ⅞	3/16 x 3/32
	15/16, 1, 1 1/16, 1⅛, 1 3/16, 1¼	¼ x ⅛
	1 5/16, 1⅜	5/16 x 5/32
1610 1615	½, 9/16	⅛ x 1/16
	⅝, 11/16, ¾, 13/16, ⅞	3/16 x 3/32
	15/16, 1, 1 1/16, 1⅛, 1 3/16, 1¼	¼ x ⅛
	1 5/16, 1⅜	5/16 x 5/32
	1 7/16, 1½	⅜ x 3/16
	1 9/16, 1⅝	⅜ x ⅛
2012	½, 9/16	⅛ x 1/16
	⅝, 11/16, ¾, 13/16, ⅞	3/16 x 3/32
	15/16, 1, 1 1/16, 1⅛, 1 3/16, 1¼	¼ x ⅛
	1 5/16, 1⅜	5/16 x 5/32
	1 7/16, 1½, 1 9/16, 1⅜, 1 11/16, 1¾	⅜ x 3/16
	1 13/16, 1⅞	½ x ¼
	1 15/16, 2	½ x 3/16
2517	½, 9/16	⅛ x 1/16
	⅝, 11/16, ¾, 13/16, ⅞	3/16 x 3/32
	15/16, 1 1/16, 1⅛, 1 3/16, 1¼	¼ x ⅛
	1 5/16, 1⅜	5/16 x 5/32
	1 7/16, 1½, 1 9/16, 1⅜, 1 11/16, 1¾	⅜ x 3/16
	1 13/16, 1⅞, 1 15/16, 2, 2 1/16, 2⅛, 2 3/16, 2¼	½ x ¼
	2 5/16, 2⅜, 2 7/16, 2½	⅝ x 3/16
2525	¾, 13/16	3/16 x 3/32
	⅞, 15/16, 1, 1⅛, 1 3/16, 1¼	¼ x ⅛
	1 15/16, 1⅜	5/16 x 5/32
	1 7/16, 1½, 1 9/16, 1⅜, 1 11/16, 1¾	⅜ x 3/16
	1 13/16, 1⅞, 1 15/16, 2, 2 1/16, 2⅛, 2 3/16, 2¼	½ x ¼
	2 5/16, 2⅜, 2 7/16, 2½	⅝ x 3/16
3020	15/16, 1, 1⅛, 1 3/16, 1¼	¼ x ⅛
	1 5/16, 1⅜	5/16 x 5/32
	1 7/16, 1½, 1 9/16, 1⅜, 1 11/16, 1¾	⅜ x 3/16
	1 13/16, 1⅞, 1 15/16, 2, 2 1/16, 2⅛, 2 3/16, 2¼	½ x ¼
	2 5/16, 2⅜, 2 7/16, 2½, 2⅝, 2 11/16, 2¾	⅝ x 5/16
	2⅞, 2 15/16, 3	¾ x ¼

Bush No.	Bore Range (in.)	Keyseat (in.)
3030	15/16, 1, 1⅛, 1 3/16, 1¼	¼ x ⅛
	1 5/16, 1⅜	5/16 x 5/32
	1 7/16, 1½, 1 9/16, 1⅜, 1 11/16, 1¾	⅜ x 3/16
	1 13/16, 1⅞, 1 15/16, 2, 2 1/16, 2⅛, 2 3/16, 2¼	½ x ¼
	2 5/16, 2⅜, 2 7/16, 2½, 2⅝, 2 11/16, 2¾	⅝ x 5/16
	2⅞, 2 15/16, 3	¾ x ¼



TB	A	B	D	F
1008	1.38	⅞	1 21/64	¼
1108	1.511	⅞	1 29/64	¼
1210	1⅞	1	1¾	⅜
1215	1⅞	1½	1¾	⅜
1610	2¼	1	2⅛	⅜
1615	2¼	1½	2⅛	⅜
2012	2¾	1¼	2⅝	7/16
2517	3⅜	1¾	3¼	½
2525	3⅜	2½	3¼	½
3020	4¼	2	4	⅝
3030	4¼	3	4	⅝

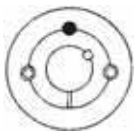




TB	A	B	D	F
3535	5	3½	4.83	½
4040	5¾	4	5.54	⅝
4545	6⅜	4½	6.13	¾
5050	7	5	6.72	⅞

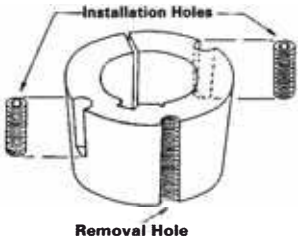
Bush No.	Bore (in.)	Keyseat (in.)
3535	1 3/16, 1 1/4	1/4 x 1/8
	1 5/16, 1 3/8	5/16 x 5/32
	1 7/16, 1 1/2, 1 5/8, 1 11/16, 1 3/4, 1 13/16	3/8 x 3/16
	1 7/8, 1 15/16, 2, 2 1/8, 2 3/16, 2 1/4	1/2 x 1/4
	2 5/16, 2 3/8, 2 7/16, 2 1/2, 2 5/8, 2 11/16, 2 3/4	5/8 x 5/16
	2 13/16, 2 7/8, 2 15/16, 3, 3 1/8, 3 3/16, 3 1/4	3/4 x 3/8
	3 5/16, 3 3/8, 3 7/16, 3 1/2	7/8 x 1/4
4040	1 7/16, 1 1/2, 1 5/8, 1 11/16, 1 3/4	3/8 x 3/16
	1 13/16, 1 7/8, 1 15/16, 2, 2 1/8, 2 3/16, 2 1/4	1/2 x 1/4
	2 5/16, 2 3/8, 2 7/16, 2 1/2, 2 5/8, 2 11/16, 2 3/4	5/8 x 5/16
	2 13/16, 2 7/8, 2 15/16, 3, 3 1/8, 3 3/16, 3 1/4	3/4 x 3/8
	3 5/16, 3 3/8, 3 7/16, 3 1/2, 3 5/8	7/8 x 7/16
	3 11/16, 3 3/4	7/8 x 1/4
	3 13/16, 3 7/8, 3 15/16, 4	1 x 1/4
4545	2 5/16, 2 3/8, 2 7/16, 2 1/2, 2 5/8, 2 3/4	5/8 x 5/16
	2 13/16, 2 7/8, 2 15/16, 3, 3 1/8, 3 3/16, 3 1/4	3/4 x 3/8
	3 5/16, 3 3/8, 3 7/16, 3 1/2, 3 5/8, 3 3/4	7/8 x 7/16
	3 13/16, 3 7/8, 3 15/16, 4, 4 1/8, 4 3/16, 4 1/4	1 x 1/2
	4 5/16, 4 3/8, 4 7/16, 4 1/2	1 x 1/4
5050	2 7/16	5/8 x 5/16
	2 15/16	3/4 x 3/8
	3 3/8, 3 7/16, 3 5/8	7/8 x 7/16
	3 7/8, 3 15/16, 4, 4 1/4, 4 3/8, 4 7/16, 4 1/2	1 x 1/2
	4 7/8, 4 15/16, 5	1 1/4 x 7/16

Bushing	Bore Range (mm)	Keyseat (mm)
1008	14, 16	5 x 2.3
	18, 19, 20, 22	6 x 2.8
	24, 25	8 x 2.0
1108	14 ,16	5 x 2.3
	18, 19, 20, 22	6 x 2.8
	24, 25	8 x 3.3
	28	8 x 2.0
1210	14, 16	5 x 2.3
	18, 19, 20, 22	6 x 2.8
	24, 25, 28, 30	8 x 3.3
	32	10 x 3.3
1215	14, 16	5 x 2.3
	18, 19, 20, 22	6 x 2.8
	24, 25, 28, 30	8 x 3.3
	32	10 x 3.3
1310	14, 16	5 x 2.3
	18, 19, 20, 22	6 x 2.8
	24, 25, 28, 30	8 x 3.3
	32, 35	10 x 3.3
1610	14, 16	5 x 2.3
	18, 19, 20, 22	6 x 2.8
	24, 25, 28, 30	8 x 3.3
	32, 35, 38	10 x 3.3
	40, 42	12 x 3.3
1615	14, 16	5 x 2.3
	18, 19, 20, 22	6 x 2.8
	24, 25, 28, 30	8 x 3.3
	32, 35, 38	10 x 3.3
	40, 42	12 x 3.3
2012	18, 19, 20, 22	6 x 2.8
	24, 25, 28, 30	8 x 3.3
	32, 35, 38	10 x 3.3
	40, 42, 45, 48, 50	12 x 3.3
2517	20, 22	6 x 2.8
	24, 25, 28, 30	8 x 3.3
	32, 35, 38	10 x 3.3
	40, 42, 45, 48, 50	10 x 3.3
	55, 60	16 x 4.3
3020 and 3030	25, 28, 30	8 x 3.3
	32, 35, 38	10 x 3.3
	40, 42	12 x 3.3
	45, 48, 50	14 x 3.8
	55	16 x 4.3
	60, 65	18 x 4.4
	70, 75	20 x 4.9
3535	35, 38	10 x 3.3
	40, 42	12 x 3.3
	45, 48, 50	14 x 3.8
	55	16 x 4.3
	60, 65	18 x 4.4
	70, 75	20 x 4.9
	80, 85, 90	22 x 5.4
4545	55	16 x 4.3
	60, 65	18 x 4.4
	70, 75	20 x 4.9
	80, 85	22 x 5.4
	90, 95	25 x 5.4
	100, 105, 110	28 x 6.4
5050	60, 65	18 x 4.4
	70, 75	20 x 4.9
	80, 85	22 x 5.4
	90, 95	25 x 5.4
	100, 105, 110	28 x 6.4
	115, 120, 125	32 x 7.4



1008 to 3030

3525 to 5050



INSTALLATION

1. Properly clean shaft, bore, and taper surface of bushing. Remove or degrease any oil, paint, or dirt.
2. Install the bushing into the pulley hub. Be sure to match the hole pattern, not the threaded holes. Match the half threaded holes with the half straight holes (a complete hole will be threaded on one side only.)
3. Lightly oil the set screws (1008 to 3030) or the cap screws (3525 to 5050) be sure to oil under the cap screw head. Install the screws into the holes that are threaded on the hub side (shown as ◯ in diagram). DO NOT LUBRICATE THE BUSHING TAPER OR BORE. BREAKAGE OF PRODUCT MAY OCCUR.
4. Fit the pulley with the bushing onto the shaft and locate in the proper location. Install key into the keyway of the shaft and bushing.
5. Tighten screws alternately and gradually in accordance with the torques listed on the Recommended Wrench Torque chart.
6. Using a hammer with a block or sleeve (do not hit bushing directly with hammer) tap on large end of the bushing and re-tighten screws per the appropriate Wrench Torque Values.
7. Fill screw heads with grease to eliminate dirt build up.

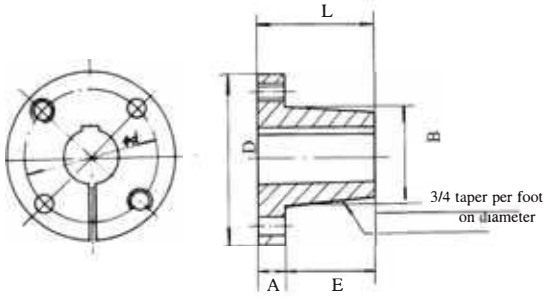
REMOVAL

1. Remove all screws and lighly oil the point and threads. Oil under cap screws if used.
2. Install screws into the holes that are threaded only on the bushing side (shown as ● in diagram).
3. Tighten screws uniformly and alternately until the bushing is loose from in the hub and pulley is free from the shaft. Tap on small end of bushing to assist removal if it does not loosen. Note: One screw is not used for removal.

Recommended Wrench Torque			
Bushing #	Lb-In	Nm2	Set Screw Hex Size
1008, 1108	53	6	3mm
1210, 1215	176	20	5mm
1310	176	20	5mm
1610, 1615	176	20	5mm
2012	273	31	5mm
2517, 2525	422	48	1/4
3020, 3030	790	90	8mm
3535	986	112	3/8
4040	1,670	190	12mm
4545	2,380	270	14mm
5050	3,080	350	14mm

Note: The Metric System does not refer to the keyseat or keyway dimensions as does the English System. Instead dimensions are given for the key itself which is rectangular in shape Not Square as in the English System. Ordering Example: (1008-14MM) or (4545-105MM)

DOUBLE SPLIT TAPER BUSHINGS



Bushing	Double Split Taper Bushings - Dimensions (inches) A	B	D	E	L	ϕd bolt REQUIRED	Cap Screws GRADE 5
G	1/4	1.172	2	3/4	1	1-9/16	2-1/4 X 5/8
H	1/4	1.625	2-1/2	1	1-1/4	2	2-1/4 X 3/4
P1	13/32	1-15/16	3	1-17/32	1-15/15	2-7/16	3-5/16 X 1
P2	13/32	1-15/16	3	2-17/32	2-15/16	2-7/16	3-5/16 X 1
B	1/2	2-5/8	3-11/16	1-7/16	1-15/16	3-1/8	3-5/16 X 1-1/4
Q1	17/32	2-7/8	4-1/8	1-31/32	2-1/2	3-3/8	3-3/8 X 1-1/4
Q2	17/32	2-7/8	4-1/8	2-31/32	3-1/2	3-3/8	3-3/8 X 1-1/4
R1	5/8	4	5-3/8	2-1/4	2-7/8	4-5/8	3-3/8 X 1-3/4
R2	5/8	4	5-3/8	4-1/4	4-7/8	4-5/8	3-3/8 X 1-3/4

Bushing	Bore Range (in.)	Wt.	Key Seat (in.)
G	3/8, 7/16, 3/4	0.40	NONE
	1/2, 9/16	0.40	1/8 X 1/16
	1/2, 9/16	0.40	1/8 X 1/16
	5/8, 11/16, 3/4, 13/16, 7/8	0.40	3/16 X 3/32
	15/16, 1	0.40	1/4 X 1/8
H	3/8, 7/16, 1/2, 9/16	0.90	1/8 X 1/16
	5/8, 11/16, 3/4, 13/16, 7/8	0.90	3/16 X 3/32
	15/16, 1, 1 1/16, 1 1/8, 1 3/16, 1 1/4	0.90	1/4 X 1/8
	1 5/16, 1 3/8	0.90	5/16 X 1/16
	1 3/8(+), 1 7/16, 1 1/2	0.90	3/8 X 1/16
P1	1/2, 9/16,	1.70	1/8 X 1/16
	5/8, 11/16, 3/4, 21/32, 25/32, 13/16, 7/8	1.70	3/16 X 3/32
	15/16, 31/32, 1, 1 1/16, 1 1/8, 1 3/16, 1 1/4	1.70	5/16 X 5/32
	11/16, 1 3/4, 1 7/16,	1.70	13/8 X 3/16
P2	3/4, 13/16, 7/8	2.18	3/16 X 3/32
	15/16, 1, 1 11/16, 1 1/8, 1 3/16, 1 1/4	2.18	1/4 X 1/8
	1 5/16, 1 3/8	2.18	5/16 X 5/32
	1 7/16, 1 1/2, 1 9/16, 1 5/8, 1 11/16, 3/4	2.18	3/8 X 3/16
B	1/2, 9/16	3.24	1/8 X 1/16
	5/8, 11/16, 3/4, 13/16, 7/8	3.24	3/16 X 3/32
	15/16, 1, 1 1/16, 1 1/8, 1 3/16, 1 1/4	3.24	1/4 X 1/8
	1 5/16	3.24	5/16 X 5/32
	1 3/8, 1 7/16, 1 1/2, 1 5/8, 1 11/16, 1 3/4	3.24	3/8 X 3/16
	1 13/16, 1 7/8, 1 15/16, 2, 2 1/16, 2 1/8, 2 3/16, 2 1/4	3.24	1/2 X 1/4
	2 5/16, 2 3/8, 2 7/16	3.24	5/8 X 5/16
Q1	3/4, 13/16, 7/8	4.60	3/16 X 3/32
	15/16, 1, 1 1/16, 1 1/8, 1 3/16, 1 1/4	4.60	1/4 X 1/8
	1 5/16, 1 3/8,	4.60	5/16 X 5/32
	1 7/16, 1 1/2, 1 9/16, 1 5/8, 1 11/16, 1 3/4	4.60	3/8 X 3/16
	1 13/16, 1 7/8, 1 15/16, 2, 2 1/16, 2 1/8, 2 3/16, 2 1/4	4.60	1/2 X 1/4
	2 5/16, 2 3/8, 2 7/6, 2 1/2, 2 9/16, 2 5/8, 2 11/16	4.60	5/8 X 5/16

Bushing	Bore Range (in.)	Wt.	Key Seat (in.)
Q2	1, 1 1/16, 1 1/8, 1 3/16, 1 1/4	5.80	1/4 X 1/8
	15/16, 1	5.80	5/16 X 5/32
	1 3/8, 1 7/16, 1 1/2, 1 9/16, 1 5/8, 11/16, 1 3/4	5.80	3/8 X 3/16
	1 13/16, 1 7/8, 1 5/16, 2, 2 1/16, 2 1/8, 2 3/16, 2 1/4	5.80	1/2 X 1/4
	2 5/16, 2 3/8, 2 7/16, 2 1/2, 2 9/16, 2 5/8	5.80	5/8 X 5/16
R1	11/16	9.95	3/16 X 3/32
	1 1/8, 1 3/16, 1 1/4, 1 5/16, 1 3/8, 1 7/16	9.95	1/4 X 1/8
	1 1/2, 1 9/16, 1 5/8, 1 11/16, 1 3/4	9.95	3/8 X 3/16
	1 13/16, 1 7/8, 1 15/16, 2 1/16, 2 1/8, 2 3/16, 2 1/4	9.95	1/2 X 1/4
	2 5/16, 2 3/8, 2 7/16, 2 1/2, 2 9/16, 2 5/8, 2 11/16, 2 3/4	9.95	5/8 X 5/16
	2 13/16, 2 7/8, 2 15/16, 3, 3 1/8, 3 3/16, 3 1/4	9.95	3/4 X 3/8
	3 3/8, 3 7/16, 3 1/2, 3 5/8, 3 3/4	9.95	7/8 X 7/16
R2	11/16	14.38	3/16 X 3/32
	1 3/8, 1 7/16, 1 1/2, 1 9/16, 1 5/8, 1 11/16, 1 3/4	14.38	3/8 X 3/16
	1 13/16, 1 7/8, 1 15/16, 2 1/16, 2 1/8, 2 3/16, 2 1/4 2 5/16	14.38	1/2 X 1/4
	2 3/8, 2 7/16, 2 1/2, 2 9/16, 2 5/8, 2 11/16, 2 3/4	14.38	5/8 X 5/16
	2 13/16, 2 7/8, 2 15/16, 3, 3 1/8, 3 3/16, 3 1/4	14.38	3/4 X 3/8
	3 3/8, 3 7/16, 3 1/2, 3 5/8, 3 3/4, 3 3/8		
	3 7/16, 3 1/2, 3 5/8	14.38	7/8 X 7/16

Note: **A rectangular key is supplied with bushings that have shallow keyseats. This key will fit the standard depth keyseat on the shaft and the shallow keyseat on the bushing.**

DOUBLE SPLIT TAPER BUSHINGS

Bushing	Bore Range (mm)	Key (mm)	Wt.
G	10, 11, 12	No Key	0.4
	14, 16	5 x 2.5	0.4
	18, 19, 20, 22	6 x 3	0.4
	24, 25	8 x 3.5	0.4
H	10, 11	No Key	0.9
	14, 15, 16	5 x 5	0.9
	18, 19, 20, 22	6 x 6	0.9
	24, 25, 28, 30	8 x 3.5	1.7
	32, 35, 38	10 x 8	0.9
P1	14, 15, 16	5 X 2.5	1.7
	18, 19, 20, 22	6 x 3	1.7
	24, 25, 28, 30	8 x 7	0.9
	32, 35, 36, 38, 39, 40, 42	10 x 4	1.7
B	15, 16	5 x 2.5	3.2
	18, 19, 20, 22	6 x 3	3.2
	24, 25, 28, 30	8 x 3.5	3.2
	32, 35, 36, 38,	10 x 4	3.2
	40, 42	12 x 4	3.2
	45, 48, 50	14 x 4.5	3.2
	55	16 x 5	3.2
	60	18 x 5.5	3.2
Q1	18, 19, 20, 22	6 x 3	4.60
	24, 25, 28, 30	8 x 3.5	4.60
	32, 35, 36, 38, 40, 42	10 x 4	4.60
	45, 48, 50	14 x 4.5	4.60
	55	16 x 5	4.60
	60, 65	18 x 5.5	4.60
R1	28, 30	8 x 3.5	9.95
	32, 35, 36, 38	10 x 4	9.95
	39, 40	12 x 4	9.95
	42, 45, 48	14 x 4.5	9.95
	50	16 x 5	9.95
	55, 60, 65	18 x 5.5	9.95
	70, 75	20 x 6	9.95
	80, 85	22 x 7	9.95
	90, 95	25 x 7	9.95
R2	35, 36, 38	10 x 4	14.38
	39, 40	12 x 4	14.38
	42, 45, 48	14 x 4.5	14.38
	50	16 x 5	14.38
	55, 60, 65	18 x 5.5	14.38
	70, 75	20 x 6	14.38
	80, 85, 90	22 x 7	14.38

DOUBLE SPLIT TAPER BUSHINGS INSTALLATION INSTRUCTIONS

INSTALLATION

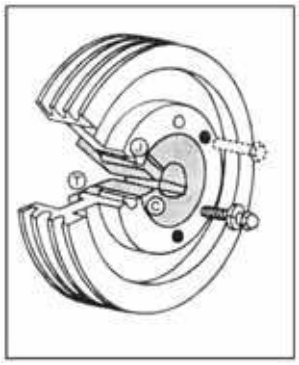
1. Properly clean shaft, bore and taper surfaces of bushing. Remove and degrease any excess oil, paint or dirt, this includes the cap screws. Caution: Excessive cap screw torque can cause sheave or bushing breakage. The use of lubricants can cause sheave breakage. DO NOT USE LUBRICANTS OF ANY TYPE WITH THIS INSTALLATION.
2. Install the bushing into the hub and match the unthreaded bushing holes with the threaded holes of the hub. Install the cap screws and lock washers through the unthreaded holes and into the threaded holes of the hub. Engage only a few threads by hand – Do not use a wrench.
3. Install key into the keyway path of the shaft and fit assembly onto the shaft and locate in the proper location.
4. Tighten cap screws alternately and gradually. Tighten cap screws to the recommended Wrench Torque Value using a torque wrench

REMOVAL

Remove cap screws and insert into the tapped holes in the bushing. Tighten them alternately and gradually until the bushing disengages from the hub.

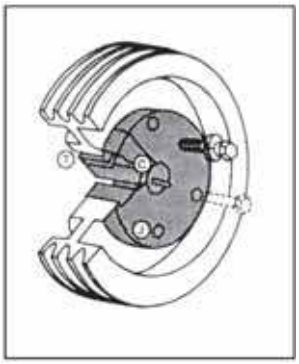
Recommended Wrench Torque		
Bushing #	lb-in	lb-ft
G	95	8
H	95	8
P1	192	16
P2	192	16
Q1	348	29
Q2	348	29
R1	348	29
R2	348	29

QD bushing sizes JA through J can be assembled in either of the two positions shown below. Size M should be assembled in position one.



Position 1

Position One is the conventional or standard mounting.



Position 2

Position Two (Reverse Mounting) may be necessary in some cases, such as mounting small sheaves with blind holes (not drilled through).

Bushing Size	Cap Screw Size & Thread	Foot Pounds Wrench Torque*
H	¼ – 28	9
JA	No. 10	3
SH	¼ – 20	6
SDS	¼ – 20	6
SD	¼ – 20	6
SK	5⁄16 – 18	10
SF	⅜ – 16	20
E	½ – 13	40
F	9⁄16 – 12	50
J	⅝ – 11	90
M	¾ – 12	150

*For Normal Applications. *For Severe* (Rock-crusher type) applications these values can be increased by a maximum of 50%.

CAUTION:

Excessive cap-screw torque can cause sheave and/or bushing breakage. The use of lubricants can cause sheave breakage.

DO NOT USE LUBRICANTS IN THIS INSTALLATION!

INSTALLATION

1. Make sure the tapered-cone surface of the bushing and the mating bore of the sheave are free of all foreign substances, such as dirt, excess paint accumulations, metal chips, lubricants, etc.
2. For position one or two (whichever applies), line up the unthreaded holes (C) with the threaded holes (T) and insert cap screws with lock washers engaging only two or three threads. (*a)
3. With key in shaft keyway, slide the loosely-assembled unit onto shaft and position for good belt alignment. (*b, *c) **Use no lubricants or anti-seize compound on threads or tapered surfaces.**
4. Carefully tighten the capscrews alternately and progressively until the tapers are seated (at approximately half the recommended torque).
5. Check alignment and sheave runout (wobble) and correct as necessary.
6. Continue careful alternate and progressive tightening of the cap screws to the recommended torque values shown in the table. **Maximum torque should be achieved on each individual bolt only two times in the consecutive tightening.**

   Note: When properly mounted, there will be a gap between the bushing flange and sheave after the screws are tightened.

   Caution: Use of Lubricants and/or excessive screw torque can cause breakage.
7. Tighten the set screw, when available, to hold the key securely during operation.

(*a) When mounting a sheave on M size bushing, position the threaded jack-apart hole (J) as far from the bushing saw as possible to reduce the possibility of bushing breakage.

(*b) When installing large or heavy parts in *Position One,* it may be easier to mount the key and bushing on the shaft first. Then place the sheave on the bushing and align the holes.

(*c) **Caution:** When mounting on a vertical shaft, provisions must be made, which will positively prevent the sheave and/or bushing from dropping during installation.

REMOVAL

1. Loosen and remove all mounting cap screws.
2. Insert cap screws in all threaded jack-screw holds (J).
3. Start with the screws furthest from the bushing saw slot and tighten all jack screws alternately and progressively. Keep turning the screws in small equal amounts until the tapered surfaces disengage.

SHEAVES

Description	Product Specifications
Gray Cast Iron	Class 25 Gray Cast Iron *(ASTM Std.) – Light Duty* Class 30 Gray Cast Iron *(ASTM Std.) – Heavy Duty*
Composition	a. Section Thickness less than 20mm ✓ Carbon: 3.5% ~ 3.7% ✓ Silicon: 1.9% ~ 2.3% ✓ Manganese: .6% ~ .8% ✓ Phosphorus: .3% Sulfur: .12% b. Section Thickness between 20mm & 40mm ✓ Carbon: 3.2% ~ 3.4% ✓ Silicon: 1.8% ~ 2.2% ✓ Manganese: .6% ~ .8% ✓ Phosphorus: .3% Sulfur: .12% c. Section Thickness greater than 40mm ✓ Carbon: 3.1% ~ 3.3% ✓ Silicon: 1.6% ~ 1.9% ✓ Manganese: .6% ~ .8% ✓ Phosphorus: .3% Sulfur: .12%
Microstructure	Slice Peariltic + Slice Graphite
Brindell Hardness Range	170 ~ 229 (light duty) 187 ~ 241 (heavy duty)
Tensile Strength	Minimum 24,500 psi (light duty) Minimum 29,500 psi (heavy duty)
Coating	Cast iron sheaves are phosphorated before painting. This is to improve the cohesion between the paint film and the base to effectively keep the metal (inside the paint) free from rust. A high quality phosphatic lacquer is used to form a dense and regular gray phosphating film over the iron.
Paint	✓ Type: Amino Baking Enamel ✓ Primary Component: Cyanamid Resin

BUSHINGS

Description	Product Specifications
Nodular Cast Iron	✓ Nodular Graphite Cast Iron ✓ Material Grade QT 500 - 7 International Class (72,387 PSI average range) ✓ Equivalent to U.S. Standard A536/A536-84 *(ASTM)*
Composition	All Nodular Cast Iron Bushings contain: ✓ Carbon: 3.6% ~ 3.9% ✓ Silicon: 2.2% ~ 2.6% ✓ Manganese: .3% ~ .5% ✓ Phosphorus: .1% Sulfur: .02%
Microstructure	Ferritic + Pearlitic
Brindell Hardness	156 ~ 217
Tensile Strength Range	Minimum 65,000 psi (Equivalent to 500 n/mm2)
Elongation	7%
Coating/Plating	Cast iron bushings are phosphorated. *(Bushings are not painted.)*
Bolt Grade	✓ Equivalent to SAE Grade 5 (1,000 n/mm3) ✓ Tensile Strength = 120,000 psi minimum

ENGLISH STANDARD MEASURES

Long Measures
1 mile = 1760 yards = 5280 feet
1 yard = 3 feet = 36 inches
1 foot = 12 inches

Square Measure
1 square mile = 640 acres = 6400 square chains
1 acre = 10 square chains = 4840 square yards = 43,560 square feet
1 square rod = 30.25 square yards = 272.25 square feet = 625 square li
1 square yard = 9 square feet
1 square foot = 144 square inches
An acre is equal to a square, the side of which is 208.7 feet

Dry Measure
1 bushel (U.S. or Winchester struck bushel) = 1.2445 cubic foot = 2150.42 cubic inches
1 bushel = 4 pecks = 42 quarts = 64 pints
1 peck = 8 quarts = 16 pints
1 quart = 2 pints
1 heaped bushel = 1-1/4 struck bushel
1 cubic foot = 0.8036 struck bushel
1 British Imperial bushel = 8 Imperial gallons = 1.2837 cubic foot = 2218.19 cubic inches

Liquid Measure
1 U.S. gallon = 0.1337 cubic foot = 231 cubic inches = 4 quarts = 8 pints
1 quart = 2 pints = 8 gills
1 pint = 4 gills
1 British Imperial gallon = 1.2003 U.S. gallons = 277.27 cubic inches
1 cubic foot = 7.48 U.S. gallons
1 barrel = 31.5 U.S. gallons

GENERAL ENGINEERING INFORMATION METRIC SYSTEM OF MEASUREMENTS

The principle units are the meter for length, the liter for capacity, and the gram for weight.
The following prefixes are used for sub-divisions and multiples: milli = 1/1000;
cent = 1/100; deci = 1/10; deca = 10; hecto=100; kilo = 1000.

Measure of length
10 millimeters (mm) = 1 centimeter (cm)
10 centimeters = 1 decimeter (dm)
10 decimeters = 1 meter (m)
100 meters = 1 kilometer (km)

Measures of Weight
10 milligrams (mg) = 1 centigram (cg)
10 centigrams = 1 decigram (dg)
10 decigrams = 1 gram (g)
10 grams = 1 decagram (dg)
10 decagrams = 1 hectogram (hg)
10 hectogram = 1 kilogram (kg)
1000 kilograms = 1 (metric) ton (T)

Square Measure
100 sq. millimeters (mm^2) = 1 centigram (cg)
10 sq. centimeters = 1 sq. decimeter (dm^2)
100 sq. decimeters = 1 sq. meter (m^2)

Cubic Measure
1000 cu. millimeters (mm^3) = 1 cu. centimeter (cm^3)
1000 cu. centimeters = 1 cu. decimeter (dm^3)
100 cu. decimeters = 1 cu. meter (m^3)

Dry and Liquid Measure
10 millimeters (ml) = 1 centiliter (cl)
10 centiliters = 1 deciliter (dl)
100 liters = 1 hectoliter (hl)
1 liter = 1 cu. decimeter = the volume of 1 kg of pure water at a temperature of 39.2 degrees F.

Length Conversion Constants for Metric and U.S. Units
Millimeters x .039370 = inches
Meters x 39.370 = inches
Meters x 3.2808 = feet
Meters x 1.09361 = yards
Kilometers x 3280.8 feet
Kilometers x 62137 = statute miles
Kilometers x 53959 = nautical miles
Inches x 25.4001 = millimeters
Inches x .0254 = meters
Feet x .30480 = meters
Yards x .91440 = meters
Feet x .0003048 = kilometers
Statute miles x 1.60935 = kilometers
Nautical miles x 1.85325 = kilometers

Circular and Angular Measure
60 seconds (“) = 1 minute(‘)
60 minutes = 1 degree (°)
360 degrees = 1 circumference (C)
57.3 degrees = 1 radian
2 p radians = 1 circumference (C)

Temperature
The following equations are useful for converting temperature from one system to another:
F = degrees Fahrenheit; C = degrees Centigrade
Deg. C = (Deg. F32) x 5/9
Deg. F = (Deg. C x 9/5) + 32

Avoirdupois or Commercial Weight
1 gross or long ton = 2240 pounds
1 net or short ton = 2000 pounds
1 pound = 16 ounces = 7000 grains
1 ounce = 16 drams = 437.5 grains

Cubic Measure
1 cubic yard = 27 cubic feet
1 cubic foot = 1728 cubic inches
The following measures are used for wood and masonry:
1 cord of wood = 4 x 4 x 8 feet = 128 cubic feet
1 perch of masonry = 16-1/2 x 1-1/2 x 1 foot = 24-3/4 cubic feet

Shipping Measure
For measuring entire internal capacity of a vessel:
1 registered ton = 100 cubic feet

For Measurement of Cargo:
1 U.S. shipping ton = 40 cubic feet = 32.143 U.S. bushels = 32.16 Imperial bushels
British shipping ton = 42 cubic feet = 33.75 U.S. bushels = 32.72 Imperial bushels

Weight Conversion Constants for Metric and U.S. Units
Grams x 981 = dynes
Grams x 15.432 = grains
Grams x .03527 = ounces (Avd.)
Grams x 0.33818 = fluid ounces (water)
Kilograms x 35.27 ounces (Avd.)
Kilograms x 2.20462 = pounds (Avd.)
Metric tons (1000 kg) x 1.0231 = Net ton (2000 lbs.)
Metric tons (1000 kg) x .98421 = gross tons (2240 lbs.)

Dynes x.0010193 = grams
Grains x .0648 = grams
Ounces (Avd.) x 28.35 = grams
Fluid ounces (Water) x 29.57 = grams
Ounces (Avd.) x .02835 kilograms
Pounds (Avd.) x .45359 = kilograms
Net ton (2000 lbs) x .90719 = metric tons (1000 kg)
Gross ton (2240 lbs) x 1.01605 = Metric tons (1000 kg)

Area Conversion Constants for Metric and U.S. Units
Square millimeters x .00155 = sq. inches
Square centimeters x .155 = sq. inches
Square meters x 10.76387 = sq. feet
Square meters x 1.19599 = sq. yards
Hectares x 2.47104 = acres
Square kilometers x 247.104 = acres
Square kilometers x .3861 = sq. miles

Square inches x 645.163 = sq. millimeters
Square inches x 6.45163 = sq. centimeters
Square feet x .0929 = sq. meters
Square yards x .83613 = square meters
Acres x .40469 = hectares
Acres x .0040469 = sq. kilometers
Square miles x 2.5899 = sq. kilometers

Volume Conversion Constants for Metric and U.S. Units
Cubic centimeters x .033818 = fluid ounces
Cubic centimeters x .061023 = cubic inches
Cubic centimeters x .271 = fluid drams
Liters x 61.023 = cubic inches
Liters x 1.05668 = quarts
Liters x .26417 = gallons
Liters x .035317 = cubic feet
Hectoliters x 26.417 = gallons
Hectoliters 3.5317 = cubic feet
Hectoliters x 2.83794 = bushel
Hectoliters x .1308 cubic yards
Cubic meters x 264.17 = gallons
Cubic meters x 35.317 = cubic feet
Cubic meters x 1.308 = cubic yards

Fluid ounces x 29.57 = cubic centimeters
Cubic inches x 16.387 - cubic centimeters
Fluid drams x 3.69 = cubic centimeters
Cubic inches x .016387 = liters
Quarts x .94636 = liters
Gallons x 3.78543 = liters
Cubic feet x 28.316 = liters
Gallons x .0378543 = hectoliters
Cubic feet x 283.16 = hectoliters
Bushels x .352379 = hectoliters
Cubic yards x 7.645 = hectoliters
Gallons x .00378543 = cubic meters
Cubic feet x .028316 = cubic meters
Cubic yards x .7645 = cubic meters

INCH-MM CONVERSION CHART

HOW TO USE:
To convert inches to mm, read across to the inch dimension and down to the fraction/decimal.
The number shown where they intersect is its value in mm. For example, 2-1/4” = 57.15 mm.

inch		0	1	2	3	4	5	6	7	8	9	10
Fraction	Decimal			mm								
0	0.000000	0.000	25.400	50.800	76.200	101.600	127.000	152.400	177.800	203.200	228.600	254.000
1/64	0.015625	0.397	25.797	51.197	76.597	101.997	127.397	152.797	178.197	203.597	228.997	254.397
1/32	0.031250	0.794	26.194	51.594	76.994	102.394	127.794	153.194	178.594	203.994	229.394	254.794
3/64	0.046875	1.191	26.591	51.991	77.391	102.791	128.191	153.591	178.991	204.391	229.791	255.191
1/16	0.062500	1.588	26.988	52.388	77.788	103.188	128.588	153.988	179.388	204.788	230.188	255.588
5/64	0.078125	1.984	27.384	52.784	78.184	103.584	128.984	154.384	139.784	205.184	230.584	255.984
3/32	0.093750	2.381	27.781	53.181	78.581	103.981	129.381	154.781	180.181	205.581	230.981	256.381
7/64	0.109375	2.778	28.178	53.578	78.978	104.378	129.778	155.178	180.578	205.978	231.378	256.778
1/8	0.125000	3.175	28.575	53.975	79.375	104.775	130.175	155.575	180.975	206.375	231.775	257.175
9/64	0.140625	3.572	28.972	54.372	79.772	105.172	130.572	155.972	181.372	206.772	232.172	257.572
5/32	0.156250.	3.969	29.369	54.769	80.169	105.569	130.969	156.369	181.769	207.169	232.569	257.969
11/64	0.171875	4.366	29.766	55.166	80.566	105.966	131.366	156.766	182.166	207.566	232.966	258.366
3/16	0.187500	4.762	30.163	55.563	80.963	106.363	131.763	157.163	182.563	207.963	233.363	258.763
13/64	0.203125	5.159	30.559	55.559	81.359	103.759	132.159	157.559	182.959	208.359	233.759	259.159
7/32	0.218750	5.556	30.956	56.356	81.756	107.156	132.356	157.956	183.356	208.756	234.156	259.556
15/64	0.234373	5.953	31.353	56.753	82.153	107.553	132.953	158.353	183.733	209.153	234.553	259.953
1/4	0.250000	6.350	31.750	57.150	82.550	107.950	133.350	157.750	184.150	209.550	234.950	260.350
17/64	0.265625	6.747	32.147	57.547	82.947	108.347	133.747	159.147	184.547	209.947	235.347	260.747
9/32	0.281250	7.144	32.544	57.944	83.344	108.744	134.144	159.544	184.944	210.344	235.744	261.144
19/64	0.296875	7.541	32.941	58.341	83.741	109.141	134.541	159.941	185.341	210.741	236.141	261.541
5/16	0.313500	7.938	33.358	58.738	84.138	109.538	134.938	160.338	185.738	211.138	236.538	261.938
21/64	0.328125	8.334	33.734	59.134	84.534	109.934	135.334	160.734	186.134	211.534	236.934	262.334
11/32	0.343750	8.731	34.131	59.531	84.931	110.331	135.731	161.131	186.531	211.931	237.331	262.731
23/64	0.359375	9.128	34.528	59.928	85.328	110.728	136.128	161.528	186.928	212.328	237.728	263.128
3/8	0.375000	9.525	34.925	60.325	85.725	111.125	136.525	161.925	187.325	212.725	238.125	263.525
25/64	0.390625	9.922	35.322	60.722	80.122	111.522	136.922	162.322	187.722	213.722	238.522	263.922
13/32	0.406250	10.319	35.719	61.119	86.519	111.919	137.319	162.719	188.119	213.519	238.919	264.319
27/64	0.421875	10.716	36.116	61.516	86.916	112.316	137.710	163.116	188.516	213.910	239.316	264.716
7/16	0.437500	11.113	36.513	61.913	87.313	112.713	138.113	163.513	188.913	214.313	239.713	265.113
29/64	0.453125	11.509	36.909	62.309	87.709	113.109	138.509	163.909	189.309	214.709	240.109	265.309
15/32	0.468750	11.906	37.306	62.706	88.106	113.506	138.906	164.306	189.706	215.106	240.506	265.906
31/64	0.484375	12.303	37.703	63.103	88.503	113.903	139.303	164.703	190.103	215.503	240.903	266.303
1/2	0.500000	12.700	38.100	63.500	88.900	114.300	139.700	165.100	190.500	215.900	241.300	266.700
33/64	0.515625	13.097	38.497	63.897	89.297	114.697	140.097	165.497	190.897	216.297	241.697	207.097
17/32	0.531250	13.494	38.894	64.294	89.694	115.094	140.494	166.894	191.294	216.694	242.094	267.494
35/64	0.546875	13.891	39.291	64.691	90.091	115.491	140.891	166.291	191.691	217.091	242.491	267.891
9/16	0.562500	14.288	39.688	65.088	90.488	115.888	141.288	166.688	192.088	217.488	242.888	268.288
37/64	0.578125	14.684	40.084	65.484	90.884	116.284	141.684	167.084	192.484	217.884	243.284	268.684
19/32	0.593750	15.081	40.481	65.881	91.281	116.681	142.081	167.481	192.881	218.281	243.681	269.081
39/64	0.609375	15.478	40.878	66.278	91.678	117.078	142.478	167.878	193.278	218.678	244.078	269.478
5/8	0.625000	15.875	41.275	66.675	92.073	117.475	142.875	168.275	193.675	219.075	244.475	269.875
41/64	0.640625	16.272	41.672	67.072	92.472	117.872	143.272	168.672	194.072	219.472	244.872	270.272
21/32	0.656250	16.609	42.069	67.469	92.860	118.269	143.669	169.009	194.469	219.869	245.269	270.669
43/64	0.671875	17.066	42.466	67.866	93.266	118.666	144.066	169.466	194.866	220.266	245.666	271.066
11/16	0.687500	17.463	42.863	68.203	93.663	119.063	144.463	169.863	195.263	220.663	246.063	271.463
15/64	0.703125	17.859	43.259	68.659	94.059	119.459	144.859	170.259	195.659	221.059	246.459	271.859
23/32	0.718750	18.256	43.656	69.056	94.456	119.856	145.256	170.656	196.056	221.456	246.856	272.256
47/64	0.734375	18.653	44.053	69.453	94.853	120.253	1475.653	171.053	196.453	221.853	247.253	272.653
3/4	0.750000	19.050	44.450	69.850	95.250	120.650	146.050	171.450	196.850	222.250	247.650	273.050
49/64	0.765625	19.447	44.847	70.247	95.647	121.047	146.447	171.847	197.247	222.647	248.047	273.447
25/32	0.781250	19.844	45.244	70.644	96.044	121.444	146.844	172.244	197.644	223.044	248.444	273.844
51/64	0.796875	20.241	45.641	71.041	96.441	121.841	147.241	172.641	198.041	223.441	248.841	274.241
13/16	0.812500	20.638	46.038	71.438	96.838	122.238	147.638	173.038	198.438	223.838	249.238	274.638
53/64	0.828125	21.034	46.434	71.834	97.234	122.634	148.034	173.434	198.834	224.234	249.634	275.034
27/32	0.843750	21.431	46.831	72.231	97.631	123.031	148.431	173.831	199.231	224.631	250.031	275.431
55/64	0.859375	21.828	47.228	72.628	98.028	123.428	148.828	174.228	199.628	225.028	250.428	275.828
7/8	0.875000	22.225	47.025	73.025	98.425	123.825	149.225	174.625	200.023	225.425	250.825	276.225
57/64	0.890625	22.622	48.022	73.442	98.822	124.272	149.622	175.022	200.422	225.822	251.222	276.622
29/32	0.906250	23.019	48.419	73.819	99.219	124.619	150.019	175.419	200.819	226.219	251.619	277.019
59/64	0.921875	23.416	48.816	74.216	99.616	125.016	150.416	175.816	201.216	226.616	252.016	277.416
15/16	0.937500	23.813	49.213	74.613	100.013	125.413	150.813	176.213	201.613	227.013	252.413	277.813
61/64	0.953125	24.209	49.609	75.009	100.409	125.809	151.209	176.609	202.009	227.409	252.809	278.209
31/32	0.968750	24.606	50.006	75.406	100.806	126.206	151.606	177.006	202.406	227.800	253.206	278.606
63/64	0.984375	25.003	50.403	75.803	101.203	126.603	152.003	177.403	202.803	228.203	253.603	279.003

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