



QTL A/B-C-D V pulleys

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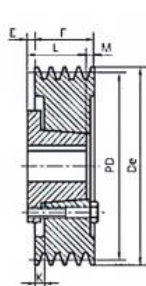
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**T_{aper}
B_{ore}** **V-pulleys**

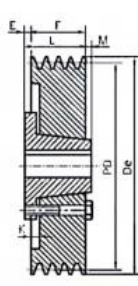
Cast Iron Sheaves

A/B-C-D

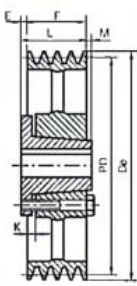
QTL



D-1



C-1



C-3



COMBINATION GROOVE

A/B-1

F=1" (25.40mm)

Sheave	P.D		O.D	Bush	Type	Bush Max. Bore	E	K	L	M	WT Less Bush
	A Belte	B Belte									
1B34SH	3.00	3.40	3.75	SH	D1	111/16	9/16	-	15/16	1/8	1.2
1B36SH	3.20	3.60	3.95	SH	D1	111/16	9/16	-	15/16	1/8	1.3
1B38SH	3.40	3.80	4.15	SH	D1	111/16	9/16	-	15/16	1/8	1.6
1B40SH	3.60	4.00	4.35	SH	C1	111/16	1/4	5/16	15/16	3/16	1.8
1B42SH	3.80	4.20	4.55	SH	C1	111/16	1/4	5/16	15/16	3/16	2.0
1B44SH	4.00	4.40	4.75	SH	C1	111/16	1/4	5/16	15/16	3/16	2.2
1B46SDS	4.20	4.60	4.95	SDS	C1	2	5/16	5/16	13/8	3/16	2.4
1B48SDS	4.40	4.80	5.15	SDS	C1	2	5/16	5/16	13/8	3/16	2.6
1B50SDS	4.60	5.00	5.35	SDS	C1	2	5/16	5/16	13/8	3/16	3.0
1B52SDS	4.80	5.20	5.55	SDS	C1	2	5/16	5/16	13/8	3/16	3.4
1B54SDS	5.00	5.40	5.75	SDS	C1	2	5/16	5/16	13/8	3/16	3.8
1B56SDS	5.20	5.60	5.95	SDS	C1	2	5/16	5/16	13/8	3/16	4.0
1B58SDS	5.40	5.80	6.15	SDS	C1	2	5/16	5/16	13/8	3/16	4.4
1B60SDS	5.60	6.00	6.35	SDS	C1	2	5/16	5/16	13/8	3/16	4.6
1B62SDS	5.80	6.20	6.55	SDS	C2	2	5/16	5/16	13/8	3/16	4.8
1B64SDS	6.00	6.40	6.75	SDS	C2	2	5/16	5/16	13/8	3/16	5.0
1B66SDS	6.20	6.60	6.95	SDS	C2	2	5/16	5/16	13/8	3/16	5.4
1B68SDS	6.40	6.80	7.15	SDS	C2	2	5/16	5/16	13/8	3/16	5.6
1B70SDS	6.60	7.00	7.35	SDS	C2	2	1/2	1/8	13/8	1/8	6.0
1B74SDS	7.00	7.40	7.75	SDS	C2	2	1/2	1/8	13/8	1/8	6.3
1B80SDS	7.60	8.00	8.35	SDS	C3	2	1/2	1/8	13/8	1/8	6.6
1B86SDS	8.20	8.60	8.95	SDS	C3	2	1/2	1/8	13/8	1/8	7.0
1B94SDS	9.00	9.40	9.75	SDS	C3	2	1/2	1/8	13/8	1/8	8.0
1B110SDS	10.60	11.00	11.35	SDS	C3	2	1/2	1/8	13/8	1/8	10.0
1B124SDS	12.00	12.40	12.75	SDS	C3	2	1/2	1/8	13/8	1/8	12.0
1B136SDS	13.20	13.60	13.95	SDS	C3	2	1/2	1/8	13/8	1/8	14.0
1B 154 SK	15.00	15.40	15.75	SK	C3	25/8	9/16	1/8	115/16	3/8	17.0
1B 160 SK	15.60	16.00	16.35	SK	C3	25/8	9/16	1/8	115/16	3/8	18.0
1B 184 SK	18.00	18.40	18.75	SK	C3	25/8	9/16	1/8	115/16	3/8	20.0
1B 200 SK	19.60	20.00	20.35	SK	C3	25/8	9/16	1/8	115/16	3/8	23.0



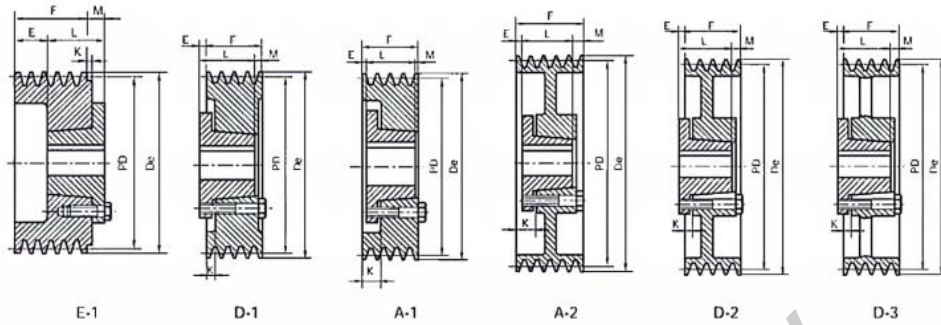
T_B
aper
ore

V-pulleys

Cast Iron Sheaves

A/B-C-D

QTL



A/B-2

F = 1 3/4" (44.45mm)

Sheave	P.D		O.D	Bush	Type	Bush Max. Bore	E	K	L	M	WT Less Bush
	A Belte	B Belte									
2B34 SH	3.00	3.40	3.75	SH	E1	111/16	1	-	15/16	9/16	1.0
2B36 SH	3.20	3.60	3.95	SH	D1	111/16	3/8	3/16	15/16	13/16	1.4
2B38 SH	3.40	3.80	4.15	SH	D1	111/16	3/8	3/16	15/16	13/16	1.8
2B40 SH	3.60	4.00	4.35	SH	A1	111/16	1/8	11/16	15/16	5/16	2.0
2B42 SH	3.80	4.20	4.55	SH	A1	111/16	1/8	11/16	15/16	5/16	2.5
2B44 SH	4.00	4.40	4.75	SH	A1	111/16	1/8	11/16	15/16	5/16	2.8
2B46 SDS	4.20	4.60	4.95	SDS	A1	2	1/16	11/16	13/8	5/16	4.8
2B48 SDS	4.40	4.80	5.15	SDS	A1	2	1/16	11/16	13/8	5/16	5.0
2B50 SDS	4.60	5.00	5.35	SDS	A1	2	1/16	11/16	13/8	5/16	5.4
2B52 SDS	4.80	5.20	5.55	SDS	A1	2	1/16	11/16	13/8	5/16	5.6
2B54 SDS	5.00	5.40	5.75	SDS	A1	2	1/16	11/16	13/8	5/16	5.8
2B56 SDS	5.20	5.60	5.95	SDS	A2	2	1/16	11/16	13/8	5/16	6.0
2B58 SDS	5.40	5.80	6.15	SDS	A2	2	1/16	11/16	13/8	5/16	7.0
2B60 SDS	5.60	6.00	6.35	SDS	A2	2	1/16	11/16	13/8	5/16	7.5
2B62 SDS	5.80	6.20	6.55	SDS	A2	2	1/16	11/16	13/8	5/16	7.8
2B64 SDS	6.00	6.40	6.75	SDS	A2	2	1/16	11/16	13/8	5/16	8.0
2B66 SDS	6.20	6.60	6.95	SDS	A2	2	1/16	11/16	13/8	5/16	9.0
2B68 SDS	6.40	6.80	7.15	SDS	A2	2	1/16	11/16	13/8	5/16	9.5
2B70 SK	6.60	7.00	7.35	SK	D2	25/8	1/4	7/16	115/16	1/16	9.8
2B74 SK	7.00	7.40	7.75	SK	D2	25/8	1/4	7/16	115/16	1/16	11.0
2B80 SK	7.60	8.00	8.35	SK	D2	25/8	1/4	7/16	115/16	1/16	12.0
2B86 SK	8.20	8.60	8.95	SK	D3	25/8	1/4	7/16	115/16	1/16	13.0
2B94 SK	9.00	9.40	9.75	SK	D3	25/8	1/4	7/16	115/16	1/16	14.0
2B110 SK	10.60	11.00	11.35	SK	D3	25/8	1/4	7/16	115/16	1/16	15.0
2B124 SK	12.00	12.40	12.75	SK	D3	25/8	1/4	7/16	115/16	1/16	17.0
2B136 SK	13.20	13.60	13.95	SK	D3	25/8	1/4	7/16	115/16	1/16	19.0
2B154 SK	15.00	15.40	15.75	SK	D3	25/8	1/4	7/16	115/16	1/16	22.0
2B160 SK	15.60	16.00	16.35	SK	D3	25/8	1/4	7/16	115/16	1/16	25.0
2B184 SK	18.00	18.40	18.75	SK	D3	25/8	1/4	7/16	115/16	1/16	30.0
2B 200 SF	19.60	20.00	20.35	SF	D3	215/16	5/16	3/8	21/16	-	39.0
2B 250 SF	24.60	25.00	25.35	SF	D3	215/16	5/16	3/8	21/16	-	61.0
2B300 SF	29.60	30.00	30.35	SF	D3	215/16	5/16	3/8	21/16	-	64.0
2B 380 SF	37.60	38.00	38.35	SF	D3	215/16	5/16	3/8	21/16	-	86.0



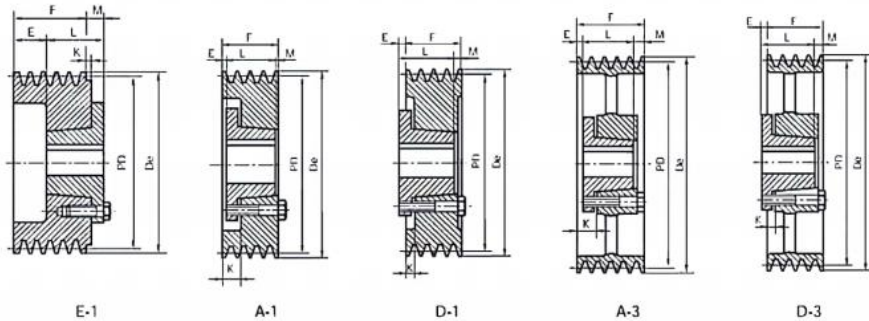
Hangzhou Ocean Industry CO., LTD.

**T_{aper}
B_{ore}** **V-pulleys**

Cast Iron Sheaves

A/B-C-D

QTL



A/B-3

F = 2 1/2" (63.50mm)

Sheave	P.D		O.D	Bush	Type	Bush Max.Bore	F	K	L	M	WT Less Bush
	A Belte	B Belte									
3B34 SH	3.00	3.40	3.75	SH	E1	111/16	13/4	-	15/16	9/16	3.4
3B36 SH	3.20	3.60	3.95	SH	D1	111/16	3/8	3/16	15/16	19/16	3.8
3B38 SH	3.40	3.80	4.15	SH	D1	111/16	3/8	3/16	15/16	19/16	4.0
3B40 SH	3.60	4.00	4.35	SH	A1	111/16	1/2	11/16	15/16	11/16	4.5
3B42 SH	3.80	4.20	4.55	SH	A1	111/16	1/2	11/16	15/16	11/16	5.0
3B44 SH	4.00	4.40	4.75	SH	A1	111/16	1/2	11/16	15/16	11/16	5.5
3B46 SD	4.20	4.60	4.95	SD	A1	2	7/16	11/16	113/16	1/4	6.0
3B48 SD	4.40	4.80	5.15	SD	A1	2	7/16	11/16	113/16	1/4	6.5
3B50 SD	4.60	5.00	5.35	SD	A1	2	7/16	11/16	113/16	1/4	7.0
3B52 SD	4.80	5.20	5.55	SD	A1	2	7/16	11/16	113/16	1/4	8.0
3B54 SD	5.00	5.40	5.75	SD	A1	2	7/16	11/16	113/16	1/4	8.5
3B56 SD	5.20	5.60	5.95	SD	A1	2	7/16	11/16	113/16	1/4	9.0
3B58 SD	5.40	5.80	6.15	SD	A1	2	7/16	11/16	113/16	1/4	10.0
3B60 SD	5.60	6.00	6.35	SD	A1	2	7/16	11/16	113/16	1/4	11.0
3B62 SD	5.80	6.20	6.55	SD	A1	2	7/16	11/16	113/16	1/4	12.0
3B64 SD	6.00	6.40	6.75	SD	A1	2	7/16	11/16	113/16	1/4	12.36
3B66 SD	6.20	6.60	6.95	SD	A1	2	7/16	11/16	113/16	1/4	12.6
3B68 SD	6.40	6.80	7.15	SD	A1	2	7/16	11/16	113/16	1/4	13.0
3B70 SK	6.60	7.00	7.35	SK	A1	25/8	-	11/16	115/16	9/16	14.0
3B74 SK	7.00	7.40	7.75	SK	A1	25/8	-	11/16	115/16	9/16	15.0
3B80 SK	7.60	8.00	8.35	SK	A1	25/8	-	11/16	115/16	9/16	16.0
3B86 SK	8.20	8.60	8.95	SK	A3	25/8	-	11/16	115/16	9/16	17.0
3B94 SK	9.00	9.40	9.75	SK	A3	25/8	-	11/16	115/16	9/16	18.0
3B110 SK	10.60	11.00	11.35	SK	A3	25/8	-	11/16	115/16	9/16	19.0
3B124 SK	12.00	12.40	12.75	SK	A3	25/8	-	11/16	115/16	9/16	22.0
3B136 SK	13.20	13.60	13.95	SK	A3	25/8	-	11/16	115/16	9/16	24.1
3B154 SK	15.00	15.40	15.75	SK	A3	25/8	-	11/16	115/16	9/16	28.0
3B160 SK	15.60	16.00	16.35	SK	A3	25/8	-	11/16	115/16	9/16	29.0
3B184 SK	18.00	18.40	18.75	SK	A3	25/8	-	11/16	115/16	9/16	37.0
3B200 SF	19.60	20.00	20.35	SF	D3	25/16	1/16	5/8	21/16	1/2	39.0
3B250 SF	24.60	25.00	25.35	SF	D3	25/16	1/16	5/8	21/16	1/2	67.0
3B300 SF	29.60	30.00	30.35	SF	D3	25/16	1/16	5/8	21/16	1/2	74.0
3B380 E	37.60	38.00	38.35	E	D3	31/2	1/4	5/8	25/8	1/8	122.0



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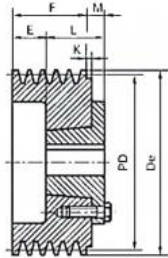
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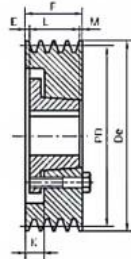
Cast Iron Sheaves

A/B-C-D

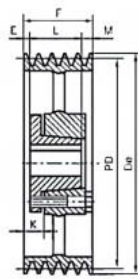
QTL



E-1



A-1



A-3



A/B-4

F = 3 1/4" (82.55mm)

Sheave	P.D		O.D	Bush	Type	Bush Max. Bore	E	K	L	M	WT Less Bush
	A Belte	B Belte									
4B 34 SD	3.00	3.40	3.75	SD	E1	2	23/8	5/16	113/16	15/16	4
4B 36 SD	3.20	3.60	3.95	SD	E1	2	23/8	5/16	113/16	15/16	5
4B 38 SD	3.40	3.80	4.15	SD	E1	2	23/8	5/16	113/16	15/16	5
4B 40 SD	3.60	4.00	4.35	SD	E1	2	21/16	-	113/16	5/8	6
4B 42 SD	3.80	4.20	4.55	SD	E1	2	21/16	-	113/16	5/8	7
4B 44 SD	4.00	4.40	4.75	SD	E1	2	21/16	-	113/16	5/8	7
4B 46 SD	4.20	4.60	4.95	SD	A1	2	11/16	15/16	113/16	3/4	7
4B 48 SD	4.40	4.80	5.15	SD	A1	2	11/16	15/16	113/16	3/4	8
4B 50 SD	4.6	5.00	5.35	SD	A1	2	11/16	15/16	113/16	3/4	9
4B 52 SD	4.8	5.20	5.55	SD	A1	2	11/16	15/16	113/16	3/4	10.0
4B 54 SD	5.00	5.40	5.75	SD	A1	2	11/16	15/16	113/16	3/4	10.5
4B 56 SD	5.20	5.60	5.95	SD	A1	2	11/16	15/16	113/16	3/4	11.0
4B 58 SD	5.40	5.80	6.15	SD	A1	2	11/16	15/16	113/16	3/4	12.0
4B 60 SD	5.60	6.00	6.35	SD	A1	2	11/16	15/16	113/16	3/4	12.5
4B 62 SD	5.80	6.20	6.55	SD	A1	2	11/16	15/16	113/16	3/4	13.0
4B 64 SD	6.00	6.40	6.75	SD	A1	2	11/16	15/16	113/16	3/4	14.0
4B 66 SD	6.20	6.60	6.95	SD	A1	2	11/16	15/16	113/16	3/4	14.5
4B 68 SD	6.40	6.80	7.15	SD	A1	2	11/16	15/16	113/16	3/4	15.0
4B 70 SK	6.00	7.00	7.35	SK	A1	25/8	5/16	1	115/16	1	15.5
4B 74 SK	7.00	7.40	7.75	SK	A1	25/8	5/16	1	115/16	1	16.0
4B 80 SK	7.60	8.00	8.35	SK	A1	25/8	5/16	1	115/16	1	17.0
4B 86 SK	8.20	8.60	8.95	SK	A3	25/8	5/16	1	115/16	1	18.0
4B 94 SK	9.00	9.40	9.75	SK	A3	25/8	5/16	1	115/16	1	19.0
4B 110 SK	10.60	11.00	11.35	SK	A3	25/8	5/16	1	115/16	1	24.0
4B 124 SK	12.00	12.40	12.75	SK	A3	25/8	5/16	1	115/16	1	26.0
4B 136 SK	13.20	13.60	13.95	SK	A3	25/8	5/16	1	115/16	1	28.0
4B 154 SF	15.00	15.40	15.75	SF	A3	25/16	5/16	1	21/16	7/8	41.0
4B 160 SF	15.60	16.00	16.35	SF	A3	25/16	5/16	1	21/16	7/8	42.0
4B 184 SF	18.00	18.40	18.75	SF	A3	25/16	5/16	1	21/16	7/8	48.0
4B 200 SF	19.6	20.00	20.35	SF	A3	25/16	5/16	1	21/16	7/8	58.0
4B 250 E	24.60	25.00	25.35	E	A3	31/2	1/8	1	25/8	1/2	78.0
4B 300 E	29.60	30.00	30.35	E	A3	31/2	1/8	1	25/8	1/2	93.0
4B 380 E	37.60	38.00	38.35	E	A3	31/2	1/8	1	25/8	1/2	138



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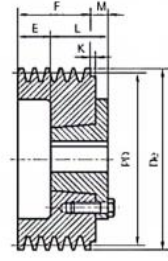
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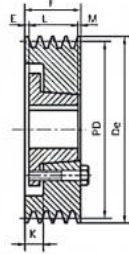
Cast Iron Sheaves

A/B-C-D

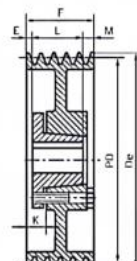
QTL



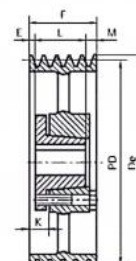
E-1



A-1



A-2



A-3

A/B-5

F=4" (101.60mm)

Sheave	P.D		O.D	Bush	Type	Bush Max. Bore	E	K	L	M	WT Less Bush
	A Belte	B Belte									
5B 34 SD	3.00	3.40	3.75	SD	E1	2	31/4	7/16	113/16	11/16	5.0
5B 36 SD	3.20	3.60	3.95	SD	E1	2	31/4	7/16	113/16	11/16	6.0
5B 38 SD	3.40	3.80	4.15	SD	E1	2	31/8	5/16	113/16	15/16	6.5
5B 40 SD	3.60	4.00	4.35	SD	E1	2	213/16	-	113/16	5/8	7.0
5B 42 SD	3.80	4.20	4.55	SD	E1	2	213/16	-	113/16	5/8	7.5
5B 44 SD	4.00	4.40	4.75	SD	E1	2	213/16	15/16	113/16	5/8	8.0
5B 46 SD	4.20	4.60	4.95	SD	A1	2	11/16	15/16	113/16	11/2	9.0
5B 48 SD	4.40	4.80	5.15	SD	A1	2	11/16	15/16	113/16	11/2	9.5
5B 50 SD	4.60	5.00	5.35	SD	A1	2	11/16	15/16	113/16	11/2	10.0
5B 52 SD	4.80	5.20	5.55	SD	A1	2	11/16	15/16	113/16	11/2	10.5
5B 54 SK	5.00	5.40	5.75	SK	A1	25/8	5/8	15/16	115/16	17/16	11.0
5B 56 SK	5.20	5.60	5.95	SK	A1	25/8	5/8	15/16	115/16	17/16	11.5
5B 58 SK	5.40	5.80	6.15	SK	A1	25/8	5/8	15/16	115/16	17/16	12.0
5B 60 SK	5.60	6.00	6.35	SK	A1	25/8	5/8	15/16	115/16	17/16	13.0
5B 62 SK	5.80	6.20	6.55	SK	A1	25/8	5/8	15/16	115/16	17/16	14.0
5B 64 SK	6.00	6.40	6.75	SK	A1	25/8	5/8	15/16	115/16	17/16	15.0
5B 66 SK	6.20	6.60	6.95	SK	A1	25/8	5/8	15/16	115/16	17/16	16.0
5B 68 SK	6.40	6.80	7.15	SK	A1	25/8	5/8	15/16	115/16	17/16	17.0
5B 70 SF	6.60	7.00	7.35	SF	A1	215/16	5/8	15/16	21/16	15/16	18.0
5B 74 SF	7.00	7.40	7.75	SF	A1	215/16	5/8	15/16	21/16	15/16	20.0
5B 80 SF	7.60	8.00	8.35	SF	A1	215/16	5/8	15/16	21/16	15/16	23.0
5B 86 SF	8.20	8.60	8.95	SF	A2	215/16	5/8	15/16	21/16	15/16	24.0
5B 94 SF	9.00	9.40	9.75	SF	A2	215/16	5/8	15/16	21/16	15/16	26.0
5B 110 SF	10.60	11.00	11.35	SF	A2	215/16	5/8	15/16	21/16	15/16	32.0
5B 124 SF	12.00	12.40	12.75	SF	A3	215/16	5/8	15/16	21/16	15/16	35.0
5B 136 SF	13.20	13.60	13.95	SF	A3	215/16	5/8	15/16	21/16	15/16	36.0
5B 154 SF	15.00	15.40	15.75	SF	A3	215/16	5/8	15/16	21/16	15/16	46.0
5B 160 SF	15.60	16.00	16.35	SF	A3	215/16	5/8	15/16	21/16	15/16	48.0
5B 184 SF	18.00	18.40	18.75	SF	A3	215/16	5/8	15/16	21/16	15/16	50.0
5B 200 E	19.60	20.00	20.35	E	A3	31/2	3/8	11/4	25/8	1	72.0
5B 250E	24.60	25.00	25.35	E	A3	31/2	3/8	11/4	25/8	1	90.0
5B 300E	29.60	30.00	30.35	E	A3	31/2	3/8	11/4	25/8	1	108
5B 380E	37.60	38.00	38.35	E	A3	31/2	3/8	11/4	25/8	1	145



Hangzhou Ocean Industry CO., LTD.

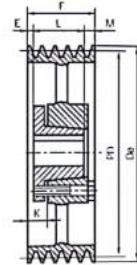
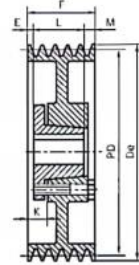
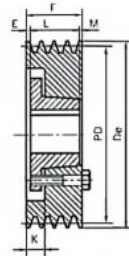
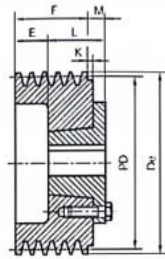
**T_{aper}
B_{ore}**

V-pulleys

Cast Iron Sheaves

A/B-C-D

QTL



A/B-6

F=4 3/4" (120.65mm)

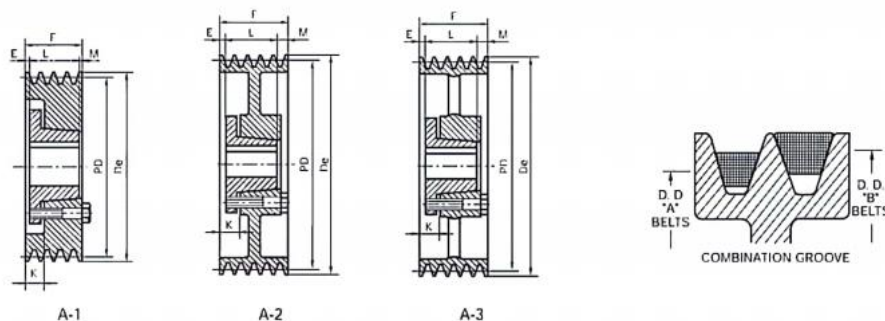
Sheave	P.D		O.D	Bush	Type	Bush Max. Bore	E	K	L	M	WT Less Bush
	A Belte	B Belte									
6 B 34 SD	3.00	3.40	3.75	SD	E1	2	37/8	5/16	113/16	15/16	6.0
6B 36 SD	3.20	3.60	3.95	SD	E1	2	37/8	5/16	113/16	13/16	7.0
6B 38 SD	3.40	3.80	4.15	SD	E1	2	37/8	5/16	113/16	13/16	7.5
6B 40 SD	3.60	4.00	4.35	SD	E1	2	39/16	-	113/16	5/8	8.0
6B 42 SD	3.80	4.20	4.55	SD	E1	2	39/16	-	113/16	5/8	9.0
6B44 SD	4.00	4.40	4.75	SD	E1	2	39/16	-	113/16	5/8	9.5
6B 46 SD	4.20	4.60	4.95	SD	A1	2	9/16	13/16	113/16	23/8	10.0
6B 48 SD	4.40	4.80	5.15	SD	A1	2	21/4	13/16	113/16	23/8	10.5
6B 50 SD	4.60	5.00	5.35	SD	A1	2	21/4	13/16	113/16	23/8	11.0
6B 52 SD	4.80	5.20	5.55	SD	A1	3	21/4	13/16	113/16	23/8	11.5
6 B 54 SK	5.00	5.40	5.75	SK	A1	25/8	5/8	15/16	115/16	23/16	12.0
6B 56 SK	5.20	5.60	5.95	SK	A1	25/8	5/8	15/16	115/16	23/16	13.0
6B 58 SK	5.40	5.80	6.15	SK	A1	25/8	5/8	15/16	115/16	23/16	14.0
6B 60 SK	5.60	6.00	6.35	SK	A1	25/8	5/8	15/16	115/16	23/16	15.0
6B 62 SK	5.80	6.20	6.55	SK	A1	25/8	5/8	15/16	115/16	23/16	16.0
6B 64 SK	6.00	6.40	6.75	SK	A1	25/8	5/8	15/16	115/16	23/16	17.0
6B 66 SK	6.20	6.60	6.95	SK	A1	25/8	5/8	15/16	115/16	23/16	18.0
6B 68 SK	6.40	6.80	7.15	SK	A1	25/8	5/8	15/16	115/16	23/16	19.0
6B 70SF	6.60	7.00	7.35	SF	A1	215/16	1	111/16	21/16	111/16	19.5
6B 74 SF	7.00	7.40	7.75	SF	A1	215/16	1	111/16	21/16	111/16	22.0
6B 80 SF	7.60	8.00	8.35	SK	A1	215/16	1	111/16	21/16	111/16	25.0
6B 86 SF	8.20	8.60	8.95	SK	A2	215/16	1	111/16	21/16	111/16	28.0
6B 94 SF	9.00	9.40	9.75	SK	A2	215/16	1	111/16	21/16	111/16	29.0
6B 110 SF	10.60	11.00	11.35	SF	A2	215/16	1	111/16	21/16	111/16	30.0
6B 124 SF	12.00	12.40	12.75	SF	A3	215/16	1	111/16	21/16	111/16	40.0
6B136 SF	13.20	13.60	13.95	SK	A3	215/16	1	111/16	21/16	111/16	45.0
6B 154 SF	15.00	15.40	15.75	SK	A3	215/16	1	111/16	21/16	111/16	46.0
6B 160 SF	15.60	16.00	16.35	SK	A3	215/16	1	111/16	21/16	111/16	50.0
6B 184 SF	18.00	18.40	18.75	SF	A3	215/16	1	111/16	21/16	111/16	60.0
6B 200E	19.60	20.00	20.35	SF	A3	31/2	1/2	13/8	25/8	15/8	78.0
6B 250E	24.60	25.00	25.35	E	A3	31/2	1/2	13/8	25/8	15/8	98.0
6B 300E	29.60	30.00	30.35	E	A3	31/2	1/2	13/8	25/8	15/8	109
6B 380E	37.60	38.00	38.35	E	A3	31/2	1/2	13/8	25/8	15/8	173

**T_{aper}
B_{ore}** **V-pulleys**

Cast Iron Sheaves

A/B-C-D

QTL



A/B-8

F=6 1/4"(158.75mm)

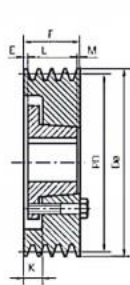
Sheave	P.D		O.D	Bush	Type	Bush Max. Bore	E	K	L	M	WT Less Bush
	A Belte	B Belte									
8B 54 SK	5.00	5.40	5.75	SK	A1	25/8	11/8	113/16	115/16	33/16	14.0
8B 56 SK	5.20	5.60	5.95	SK	A1	25/8	11/8	113/16	115/16	33/16	16.0
8B 58 SK	5.40	5.80	6.15	SK	A1	25/8	11/8	113/16	115/16	33/16	16.5
8B 60 SF	5.60	6.00	6.35	SF	A1	215/16	11/8	113/16	21/16	31/16	17.0
8B 62 SF	5.80	6.20	6.55	SF	A1	215/16	11/8	113/16	21/16	31/16	18.0
8B 64 SF	6.00	6.40	6.75	SF	A1	215/16	11/8	113/16	21/16	31/16	18.5
8B 66 SF	6.20	6.60	6.95	SF	A1	215/16	11/8	113/16	21/16	31/16	21.0
8B 68 SF	6.40	6.80	7.15	SF	A1	215/16	11/8	113/16	21/16	31/16	22.0
8B 70 SF	6.60	7.00	7.35	SF	A1	215/16	11/8	113/16	21/16	31/16	22.5
8B 74 SF	7.00	7.40	7.75	SF	A1	215/16	11/8	113/16	21/16	31/16	25.0
8B 80 SF	7.60	8.00	8.35	SF	A1	215/16	11/8	113/16	21/16	31/16	29.0
8B 86 E	8.20	8.60	8.95	E	A1	31/2	11/2	23/8	25/8	21/8	34.0
8B 94 E	9.00	9.40	9.75	E	A1	31/2	11/2	23/8	25/8	21/8	40.0
8B 110 E	10.60	11.00	11.35	E	A2	31/2	11/2	23/8	25/8	21/8	47.0
8B 124 E	12.00	12.40	12.75	E	A3	31/2	11/2	23/8	25/8	21/8	52.0
8B 136 E	13.20	13.60	13.95	E	A3	31/2	11/2	23/8	25/8	21/8	60.0
8B 154 E	15.00	15.40	15.75	E	A3	31/2	11/2	23/8	25/8	21/8	82.0
8B 160 E	15.60	16.00	16.35	E	A3	31/2	11/2	23/8	25/8	21/8	90.0
8B 184 F	18.00	18.40	18.75	F	A3	315/16	5/16	15/16	35/8	25/16	110
8B 200 F	19.60	20.00	20.35	F	A3	315/16	5/16	15/16	35/8	25/16	122
8B 250 F	24.60	25.00	25.35	F	A3	315/16	5/16	15/16	35/8	25/16	138
8B 300 F	29.60	30.00	30.35	F	A3	315/16	5/16	15/16	35/8	25/16	168
8B 380 F	37.60	38.00	38.35	F	A3	315/16	5/16	15/16	35/8	25/16	222

**T_{aper}
B_{ore}** **V-pulleys**

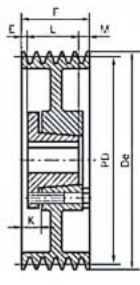
Cast Iron Sheaves

A/B-C-D

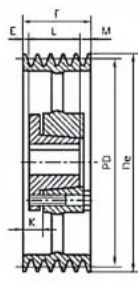
QTL



A-1



A-2



A-3



COMBINATION GROOVE

A/B-10

F = 7 3/4" (196.85mm)

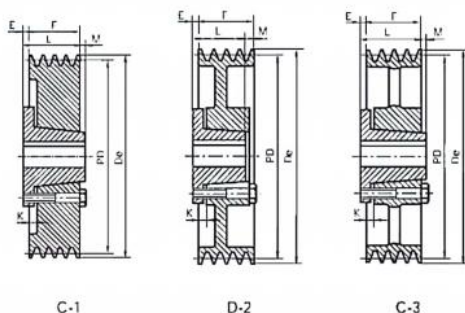
Sheave	P.D		O.D	Bush	Type	Bush Max. Bore	E	K	L	M	WT Less Bush
	A Belte	B Belte									
10B 54 SK	5.00	5.40	5.75	SK	A1	25/8	17/8	29/16	115/16	315/16	15
10B 56 SK	5.20	5.60	5.95	SK	A1	25/8	17/8	29/16	115/16	315/16	18
10B 58 SK	5.40	5.80	6.15	SK	A1	25/8	17/8	29/16	115/16	315/16	20
10B 60 SF	5.60	6.00	6.35	SF	A1	215/16	17/8	29/16	21/16	313/16	22
10B 62 SF	5.80	6.20	6.55	SF	A1	215/16	17/8	29/16	21/16	313/16	24
10B 64 SF	6.00	6.40	6.75	SF	A1	215/16	17/8	29/16	21/16	313/16	25
10B 66 SF	6.20	6.60	6.95	SF	A1	215/16	17/8	29/16	21/16	313/16	26
10B 68 SF	6.40	6.80	7.15	SF	A1	215/16	17/8	29/16	21/16	313/16	27
10B 70 SF	6.60	7.00	7.35	SF	A1	215/16	17/8	29/16	21/16	313/16	28
10B 74 SF	7.00	7.40	7.75	SF	A1	215/16	17/8	29/16	21/16	313/16	31
10B 80 SF	7.60	8.00	8.35	SF	A1	215/16	17/8	29/16	21/16	313/16	35
10B 86 E	8.20	8.60	8.95	E	A1	31/2	21/4	31/8	25/8	27/8	38
10B 94 E	9.00	9.40	9.75	E	A1	31/2	21/4	31/8	25/8	27/8	45
10B 110 E	10.60	11.00	11.35	E	A2	31/2	21/4	31/8	25/8	27/8	59
10B 124 E	12.00	12.40	12.75	E	A3	31/2	21/4	31/8	25/8	27/8	63
10B 136 F	13.20	13.60	13.95	F	A3	315/16	11/16	21/16	35/8	31/16	78
10B 154 F	15.00	15.40	15.75	F	A3	315/16	11/16	21/16	35/8	31/16	90
10B 160 F	15.60	16.00	16.35	F	A3	315/16	11/16	21/16	35/8	31/16	96
10B 184 F	18.00	18.40	18.75	F	A3	315/16	11/16	21/16	35/8	31/16	113
10B 200 F	19.60	20.00	20.35	F	A3	315/16	11/16	21/16	35/8	31/16	124
10B 250 F	24.60	25.00	25.35	F	A3	315/16	11/16	21/16	35/8	31/16	138
10B 300 F	29.60	30.00	30.35	F	A3	315/16	11/16	21/16	35/8	31/16	200
10B 380 J	37.60	38.00	38.35	J	A3	41/2	3/8	19/16	41/2	27/8	279

**T_{aper}
B_{ore}** **V-pulleys**

Cast Iron Sheaves

A/B-C-D

QTL



BORE RANGE FOR QTL BUSHING

Bush. Sym	Min. Bore	Max Bore with:		
		Full Keyway	Shallow Keyway	No Keyway
SDS	1/2	15/8	1-15/16	2
SD	1/2	15/8	1-15/16	2
SK	1/2	2-1/8	2-1/2	2 5/8, 2 9/16
SF	1/2	2 1/4	2 7/8	2-15/16
E	7/8	2-7/8	3-1/2	—
F	1	3-1/4	3-15/16	4
J	1-1/2	3 13/16	4-1/2	—
M	2	4 11/16	5-1/2	—
N	2-7/16	5 1/16	5-7/8	—
P	2-15/16	5 13/16	7	—

C-1

F=1 3/8"(34.93mm)

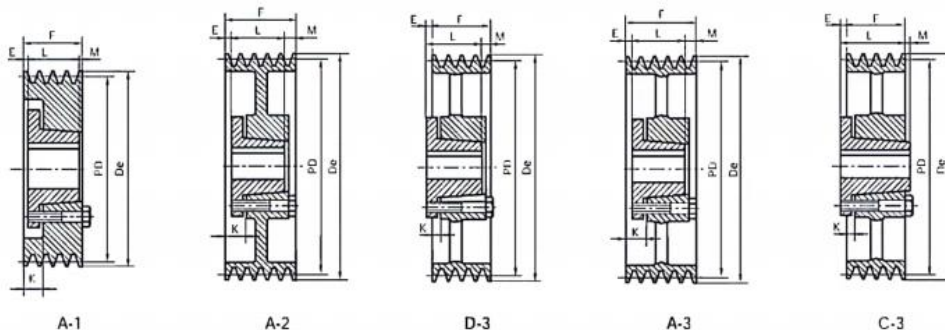
Sheave	De	Dp	Bush Max Bore	Bush	Type	Db	E	K	L	M	WT Less Bush
1C60SK	6.40	6.00	25/8	SK	C1	-	9/16	1/8	115/16	-	9.4
1C70SF	7.40	7.00	215/16	SF	C1	-	9/16	1/8	21/16	1/8	9.8
1C75SF	7.90	7.50	215/16	SF	C1	-	9/16	1/8	21/16	1/8	11.0
1C80SF	8.40	8.00	215/16	SF	C1	-	9/16	1/8	21/16	1/8	13.0
1C85SF	8.90	8.50	215/16	SF	C1	-	9/16	1/8	21/16	1/8	13.2
1C90SF	9.40	9.00	215/16	SF	C2	5	9/16	1/8	21/16	1/8	13.5
1C95SF	9.90	9.50	215/16	SF	C3	5	9/16	1/8	21/16	1/8	13.8
1C100SF	10.40	10.00	215/16	SF	C3	5	9/16	1/8	21/16	1/8	14.0
1C105SF	10.90	10.50	215/16	SF	C3	5	9/16	1/8	21/16	1/8	15.0
1C110SF	11.40	11.00	215/16	SF	C3	5	9/16	1/8	21/16	1/8	15.8
1C120SF	12.40	12.00	215/16	SF	C3	5	9/16	1/8	21/16	1/8	17.0
1C130SF	13.40	13.00	215/16	SF	C3	5	9/16	1/8	21/16	1/8	18.0
1C140SF	14.40	14.00	215/16	SF	C3	5	9/16	1/8	21/16	1/8	20.0
1C150SF	15.40	15.00	215/16	SF	C3	5	9/16	1/8	21/16	1/8	21.0
1C160SF	16.40	16.00	215/16	SF	C3	5	9/16	1/8	21/16	1/8	24.0
1C180SF	18.40	18.00	215/16	SF	C3	5	9/16	1/8	21/16	1/8	27.0
1C200SF	20.40	20.00	215/16	SF	C3	5	9/16	1/8	21/16	1/8	31.0
1C240SF	24.40	24.00	215/16	SF	C3	5	9/16	1/8	21/16	1/8	37.0

Taper B V-pulleys

Cast Iron Sheaves

A/B-C-D

QTL



C-2

F=2 3/8" (60.33mm)

Sheave	De	Dp	Bush Max Bore	Bush	Type	Db	E	K	L	M	WT Less Bush
2C 60 SK	6.40	6.00	25/8	SK	A1	-	3/16	7/8	115/16	1/8	8.0
2C 70 SF	7.40	7.00	215/16	SF	A1	-	1/8	13/16	21/16	3/16	12.0
2C 75 SF	7.90	7.50	215/16	SF	A1	-	1/8	13/16	21/16	3/16	15.0
2C 80 SF	8.40	8.00	215/16	SF	A1	-	1/8	13/16	21/16	3/16	16.0
2C 85 SF	8.90	8.50	215/16	SF	A2	5	1/8	13/16	21/16	3/16	19.0
2C 90 SF	9.40	9.00	215/16	SF	A2	5	1/8	13/16	21/16	3/16	19.5
2C 95 SF	9.90	9.50	215/16	SF	A2	5	1/8	13/16	21/16	3/16	21.0
2C 100 SF	10.40	10.00	215/16	SF	A2	5	1/8	13/16	21/16	3/16	22.0
2C 105 SF	10.90	10.50	215/16	SF	A2	5	1/8	13/16	21/16	3/16	25.0
2C 110 SF	11.40	11.00	215/16	SF	A3	5	1/8	13/16	21/16	3/16	26.0
2C 120 SF	12.40	12.00	215/16	SF	D3	5	1/8	9/16	21/16	7/16	29.0
2C 130 SF	13.40	13.00	215/16	SF	D3	5	1/8	9/16	21/16	7/16	31.0
2C 140 SF	14.40	14.00	215/16	SF	D3	5	1/8	9/16	21/16	7/16	35.0
2C 150 SF	15.40	15.00	215/16	SF	D3	5	1/8	9/16	21/16	7/16	39.0
2C 160 SF	16.40	16.00	215/16	SF	D3	5	1/8	9/16	21/16	7/16	43.0
2C 180 SF	18.40	18.00	215/16	SF	D3	5	1/8	9/16	21/16	7/16	48.0
2C 200 SF	20.40	20.00	215/16	SF	D3	5	1/8	9/16	21/16	7/16	55.0
2C 240 SF	24.40	24.00	215/16	SF	D3	5	1/8	9/16	21/16	7/16	65.0
2C 270F	27.40	27.00	315/16	F	C3	7	11/16	5/16	35/8	9/16	107
2C 300F	30.40	30.00	315/16	F	C3	7	11/16	5/16	35/8	9/16	115



Hangzhou Ocean Industry CO., LTD.

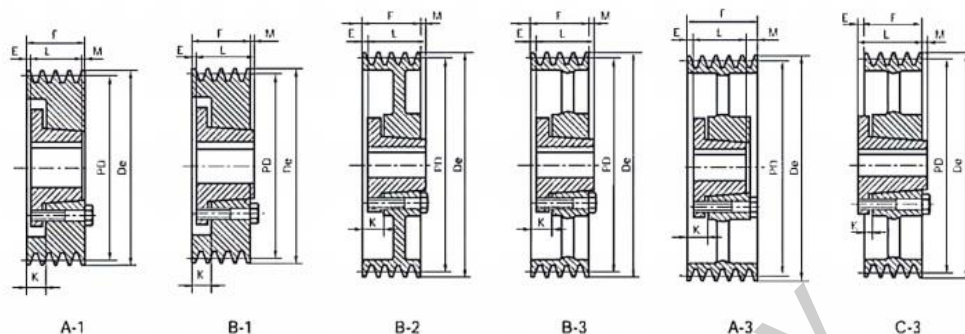
**T_{aper}
B_{ore}**

V-pulleys

Cast Iron Sheaves

A/B-C-D

QTL



C-3

F = 3 3/8" (85.73mm)

Sheave	De	Dp	Bush Max Bore	Bush	Type	Db	E	K	L	M	WT Less Bush
3C 50 SD	5.40	5.00	2	SD	A1	-	5/8	11/4	113/16	15/16	8.0
3C 54 SD	5.80	5.40	2	SD	A1	-	11/16	15/16	113/16	7/8	9.0
3C 55 SD	5.90	5.50	2	SD	A1	-	11/16	15/16	113/16	7/8	10
3C 56 SD	6.00	5.60	2	SD	A1	-	11/16	15/16	113/16	7/8	11
3C 60 SK	6.40	6.00	25/8	SK	A1	-	3/16	7/8	115/16	11/8	12
3C 70 SF	7.40	7.00	215/16	SF	A1	-	5/8	15/16	21/16	11/16	14
3C 75 SF	7.90	7.50	215/16	SF	A1	-	5/8	15/16	21/16	11/16	17
3C 80 E	8.40	8.00	31/2	E	B1	-	7/8	13/4	25/8	1/8	19
3C 85 E	8.90	8.50	31/2	E	B1	-	7/8	13/4	25/8	1/8	22
3C 90 E	9.40	9.00	31/2	E	B1	-	7/9	13/4	25/8	1/8	26
3C 95 E	9.90	9.50	31/2	E	B1	-	7/8	13/4	25/8	1/8	29
3C 100 E	10.40	10.00	31/2	E	B2	61/4	7/8	13/4	25/8	1/8	31
3C 105 E	10.90	10.50	31/2	E	B2	61/4	7/8	13/4	25/8	1/8	35
3C 110 E	11.40	11.00	31/2	E	B2	61/4	7/8	13/4	25/8	1/8	38
3C 120 E	12.40	12.00	31/2	E	B3	61/4	7/8	13/4	25/8	1/8	40
3C 130 E	13.40	13.00	31/2	E	B3	61/4	7/8	13/4	25/8	1/8	43
3C 140 E	14.40	14.00	31/2	E	B3	61/4	7/8	13/4	25/8	1/8	46
3C 150 E	15.40	15.00	31/2	E	B3	61/4	7/8	13/4	25/8	1/8	52
3C 160 E	16.40	16.00	31/2	E	B3	61/4	7/8	13/4	25/8	1/8	58
3C 180 E	18.40	18.00	31/2	E	B3	61/4	7/8	13/4	25/8	1/8	67
3C 200 E	20.40	20.00	31/2	E	A3	61/4	7/8	1	25/8	5/8	70
3C 240 E	24.40	24.00	31/2	E	A3	61/4	7/8	1	25/8	5/8	90
3C 270 F	27.40	27.00	315/16	F	C3	7	3/16	13/16	35/8	1/16	124
3C 300 F	30.40	30.00	315/16	F	C3	7	3/16	13/16	35/8	1/16	130
3C 360 F	36.40	36.00	315/16	F	C3	7	3/16	13/16	35/8	1/16	166
3C 440 F	44.40	44.00	315/16	F	C3	7	3/16	13/16	35/8	1/16	208
3C 500 F	50.40	50.00	315/16	F	C3	7	3/16	13/16	35/8	1/16	250



Hangzhou Ocean Industry CO., LTD.

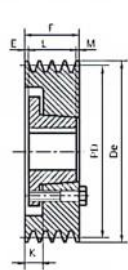
**T_{aper}
B_{ore}**

V-pulleys

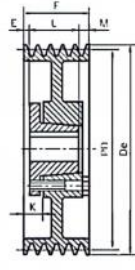
Cast Iron Sheaves

A/B-C-D

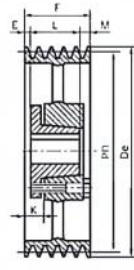
QTL



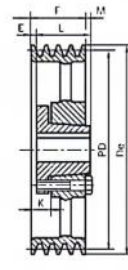
A-1



A-2



A-3



B-3

C-4

F=4 3/8"(111.13mm)

Sheave	De	Dp	Bush Max Bore	Bush	Type	Db	E	K	L	M	WT Less Bush
4C50SD	5.40	5.00	2	SD	A1	-	5/8	11/4	113/16	115/16	10.0
4C54SD	5.80	5.40	2	SD	A1	-	11/16	15/16	113/16	17/8	12.0
4C55SD	5.90	5.50	2	SD	A1	-	11/16	15/16	113/16	17/8	12.4
4C56SD	6.00	5.60	2	SD	A1	-	11/16	15/16	113/16	17/8	12.6
4C60SK	6.40	6.00	25/8	SK	A1	-	3/16	7/8	115/16	21/8	12.8
4C70SF	7.40	7.00	215/16	SF	A2	5	7/8	19/16	21/16	17/16	13.0
4C75SF	7.90	7.50	215/16	SF	A2	5	7/8	19/16	21/16	17/16	19.0
4C80E	8.40	8.00	31/2	E	A1	-	11/8	2	25/8	5/8	24.0
4C85E	8.90	8.50	31/2	E	A1	-	11/8	2	25/8	5/8	27.0
4C90E	9.40	9.00	31/2	E	A1	-	11/8	2	25/8	5/8	30.0
4C95E	9.90	9.50	31/2	E	A1	-	11/8	2	25/8	5/8	33.0
4C100E	10.40	10.00	31/2	E	A2	61/4	11/8	2	25/8	5/8	35.0
4C105E	10.90	10.50	31/2	E	A2	61/4	11/8	2	25/8	5/8	40.0
4C110E	11.40	11.00	31/2	E	A2	61/4	11/8	2	25/8	5/8	45.0
4C120E	12.40	12.00	31/2	E	A2	61/4	11/8	2	25/8	5/8	48.0
4C130E	13.40	13.00	31/2	E	A3	61/4	11/8	2	25/8	5/8	49.0
4C140E	14.40	14.00	31/2	E	A3	61/4	11/8	2	25/8	5/8	56.0
4C150 E	15.40	15.00	31/2	E	A3	61/4	11/8	2	25/8	5/8	62.0
4C160 E	16.40	16.00	31/2	E	A3	61/4	11/8	2	25/8	5/8	68.0
4C180E	18.40	18.00	31/2	E	A3	61/4	11/8	2	25/8	5/8	74.0
4C200E	20.40	20.00	31/2	E	A3	61/4	5/8	11/2	25/8	11/8	81.0
4C240F	24.40	24.00	315/16	F	A3	7	5/16	15/16	35/8	7/16	120
4C270F	27.40	27.00	315/16	F	A3	7	5/16	15/16	35/8	7/16	138
4C300F	30.40	30.00	315/16	F	A3	7	5/16	15/16	35/8	7/16	166
4C360F	36.40	36.00	315/16	F	A3	7	5/16	15/16	35/8	7/16	176
4C440J	44.40	44.00	41/2	F	B3	73/4	3/8	19/16	41/2	1/2	254
4C500J	50.40	50.00	41/2	F	B3	73/4	3/8	19/16	41/2	1/2	318

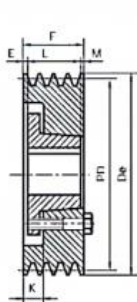
**T_{aper}
B_{ore}**

V-pulleys

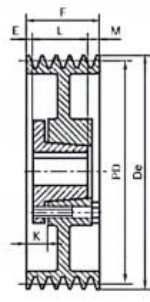
Cast Iron Sheaves

A/B-C-D

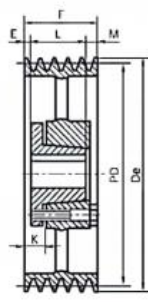
QTL



A-1



A-2



A-3

BORE RANGE FOR QTL BUSHING

Bush. Sym.	Min Bore	Max. Bore with:		
		Full Keyway	Shallow Keyway	No Keyway
SF	1/2	2 1/4	2 7/8	2-15/16
E	7/8	2-7/8	3-1/2	—
F	1	3-1/4	3-15/16	4
J	1-1/2	3 3/16	4-1/2	—
M	2	4 11/16	5 1/2	—
N	2-7/16	5 1/16	5-7/8	—
P	2-15/16	5 13/16	7	—

C-5

F=5 3/8"(136.53mm)



Sheave	De	Dp	Bush Max Bore	Bush	Type	Db	E	K	L	M	WT Less Bush
5C 60 SK	6.40	6.00	25/8	SK	A1	-	3/16	7/8	115/16	31/8	14
5C 70 SF	7.40	7.00	215/16	SF	A1	-	11/4	115/16	21/16	21/16	19
5C 75 SF	7.90	7.50	215/16	SF	A1	-	11/4	115/16	21/16	21/16	22
5C 80 E	8.40	8.00	31/2	E	A1	-	11/2	23/8	25/8	11/4	28
5C 85 E	8.90	8.50	31/2	E	A1	-	11/2	23/8	25/8	11/4	31
5C 90 E	9.40	9.00	31/2	E	A1	-	11/2	23/8	25/8	11/4	32
5C 95 E	9.90	9.50	31/2	E	A1	-	11/2	23/8	25/8	11/4	36
5C 100 E	10.40	10.00	31/2	E	A2	61/4	11/2	23/8	25/8	11/4	38
5C 105 E	10.90	10.50	31/2	E	A2	61/4	11/2	23/8	25/8	11/4	43
5C 110 E	11.40	11.00	31/2	E	A2	61/4	11/2	23/8	25/8	11/4	50
5C 120 E	12.40	12.00	31/2	E	A2	61/4	11/2	23/8	25/8	11/4	55
5C 130 E	13.40	13.00	31/2	E	A3	61/4	11/2	23/8	25/8	11/4	58
5C 140 E	14.40	14.00	31/2	E	A3	61/4	11/2	23/8	25/8	11/4	61
5C 150 E	15.40	15.00	31/2	E	A3	61/4	11/2	23/8	25/8	11/4	69
5C 160 E	16.40	16.00	31/2	E	A3	61/4	11/2	23/8	25/8	11/4	75
5C 180 E	18.40	18.00	31/2	E	A3	61/4	11/2	23/8	25/8	11/4	85
5C 200 F	20.40	20.00	315/16	F	A3	7	15/16	15/16	35/8	17/16	108
5C 240 F	24.40	24.00	315/16	F	A3	7	15/16	15/16	35/8	17/16	124
5C 270 F	27.40	27.00	315/16	F	A3	7	15/16	15/16	35/8	17/16	154
5C 300 F	30.40	30.00	315/16	F	A3	7	15/16	15/16	35/8	17/16	174
5C 360 J	36.40	36.00	41/2	J	A3	73/4	3/8	19/16	41/2	1/2	226
5C 440 J	44.40	44.00	41/2	J	A3	73/4	3/8	19/16	41/2	1/2	289
5C 500 J	50.40	50.00	41/2	J	A3	73/4	3/8	19/16	41/2	1/2	316

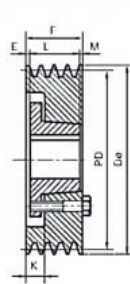
**T_{aper}
B_{ore}**

V-pulleys

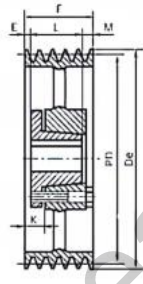
Cast Iron Sheaves

A/B-C-D

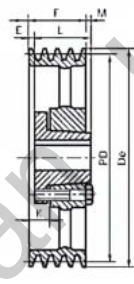
QTL



A-1



A-3



B-3

BORE RANGE FOR QTL BUSHING

Bush Sym.	Min. Bore	Max. Bore with:		
		Full Keyway	Shallow Keyway	No Keyway
SF	1/2	21/4	27/8	2-15/16
E	7/8	2-7/8	3-1/2	—
F	1	3-1/4	3-15/16	4
J	1-1/2	313/16	4-1/2	—
M	2	411/16	5-1/2	—
N	2-7/16	51/16	5-7/8	—
P	2-15/16	513/16	7	—

C-6

F=6 3/8"(161.93mm)

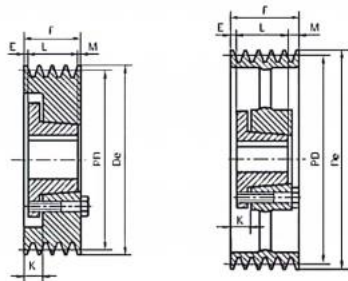
Sheave	De	Dp	Bush Max Bore	Bush	Type	Db	E	K	L	M	WT L.ess Bush
6C 60 SK	6.40	6.00	25/8	SK	A1	-	3/16	1/8	115/16	41/8	16
6C 70 SF	7.40	7.00	215/16	SF	A1	-	11/4	115/16	21/16	31/16	22
6C 75 SF	7.90	7.50	215/16	SF	A1	-	11/4	115/16	21/16	31/16	25
6C 80 E	8.40	8.00	31/2	E	A1	-	11/2	23/8	25/8	21/4	31
6C 85 E	8.90	8.50	31/2	E	A1	-	11/2	23/8	25/8	21/4	35
6C 90 F	9.40	9.00	315/16	F	A1	-	17/16	27/16	35/8	15/16	40
6C 95 F	9.90	9.50	315/16	F	A1	-	17/16	27/16	35/8	15/16	44
6C 100 F	10.40	10.00	315/16	F	A1	-	17/16	27/16	35/8	15/16	50
6C 105 F	10.90	10.50	315/16	F	A1	-	17/16	27/16	35/8	15/16	56
6C 110 F	11.40	11.00	315/16	F	A1	-	17/16	27/16	35/8	15/16	60
6C 120 F	12.40	12.00	315/16	F	A3	7	17/16	27/16	35/8	15/16	65
6C 130 F	13.40	13.00	315/16	F	A3	7	17/16	27/16	35/8	15/16	67
6C 140 F	14.40	14.00	315/16	F	A3	7	17/16	27/16	35/8	15/16	75
6C 150 F	15.40	15.00	315/16	F	A3	7	17/16	27/16	35/8	15/16	91
6C 160 F	16.40	16.00	315/16	F	A3	7	17/16	27/16	35/8	15/16	98
6C 180 F	18.40	18.00	315/16	F	A3	7	17/16	27/16	35/8	15/16	106
6C 200 F	20.40	20.00	315/16	F	A3	7	15/16	115/16	35/8	113/16	125
6C 240 F	24.40	24.00	315/16	F	A3	7	15/16	115/16	35/8	113/16	165
6C 270 J	27.40	27.00	315/16	J	A3	73/4	3/8	19/16	41/2	11/2	190
6C 300 J	30.40	30.00	41/2	J	A3	73/4	3/8	19/16	41/2	1/2	229
6C 360 J	36.40	36.00	41/2	J	A3	73/4	3/8	19/16	41/2	11/2	270
6C 440 J	44.40	44.00	41/2	J	A3	73/4	3/8	19/16	41/2	11/2	301
6C 500 M	50.40	50.00	51/2	M	B3	91/2	1/2	115/16	63/4	7/8	444

**T_{aper}
B_{ore}** **V-pulleys**

Cast Iron Sheaves

A/B-C-D

QTL



A-1

A-3

BORE RANGE FOR QTL BUSHING

Bush Sym.	Min. Bore	Max. Bore with:		
		Full Keyway	Shallow Keyway	No Keyway
SF	1/2	21/4	27/8	2-15/16
E	7/8	2-7/8	3-1/2	—
F	1	3-1/4	3-15/16	4
J	1-1/2	313/16	4-1/2	—
M	2	411/16	51/2	—
N	2-7/16	51/16	5-7/8	—
P	2-15/16	513/16	7	—

C-8

F=8 3/8"(212.73mm)

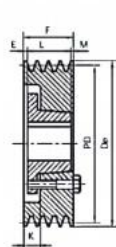
Sheave	De	Dp	Bush Max Bore	Bush	Type	Db	E	K	L	M	WT Less Bush
8C 70 SF	7.40	7.00	215/16	SF	A1	-	25/16	3	21/16	4	35
8C 75 SF	7.90	7.50	215/16	E	A1	-	25/16	3	21/16	4	37
8C 80E	8.40	8.00	31/2	E	A1	-	23/8	31/4	25/8	33/8	41
8C 85E	8.90	8.50	31/2	E	A1	-	23/8	31/4	25/8	33/8	50
8C 90 F	9.40	9.00	315/16	F	A1	-	25/16	35/16	35/8	27/16	56
8C 95 F	9.90	9.50	315/16	F	A1	-	25/16	35/16	35/8	27/16	60
8C 100F	10.40	10.00	315/16	F	A1	-	25/16	35/16	35/8	27/16	64
8C 105 F	10.90	10.50	315/16	F	A1	-	25/16	35/16	35/8	27/16	74
8C 110F	11.40	11.00	315/16	F	A1	-	25/16	35/16	35/8	27/16	87
8C 120F	12.40	12.00	315/16	F	A1	-	25/16	35/16	35/8	27/16	94
8C 130F	13.40	13.00	315/16	F	A3	7	25/16	35/16	35/8	27/16	99
8C 140F	14.40	14.00	315/16	F	A3	7	25/16	35/16	35/8	27/16	110
8C 150 F	15.40	15.00	315/16	F	A3	7	25/16	35/16	35/8	27/16	122
8C 160F	16.40	16.00	315/16	F	A3	7	25/16	35/16	35/8	27/16	136
8C 180 F	18.40	18.00	315/16	F	A3	7	25/16	35/16	35/8	27/16	146
8C 200J	20.40	20.00	41/2	J	A3	73/4	3/8	19/16	41/2	31/2	195
8C 240J	24.40	24.00	41/2	J	A3	73/4	3/8	19/16	41/2	31/2	216
8C 270J	27.40	27.00	41/2	J	A3	73/4	3/8	19/16	41/2	31/2	268
8C 300J	30.40	30.00	41/2	J	A3	73/4	3/8	19/16	41/2	31/2	338
8C 360M	36.40	36.00	51/2	M	A3	91/2	1/2	115/16	63/4	11/8	413
8C 440 M	44.40	44.00	51/2	M	A3	91/2	1/2	115/16	63/4	11/8	474
8C500M	50.40	50.00	51/2	M	A3	91/2	1/2	115/16	63/4	11/8	503

Taper B V-pulleys

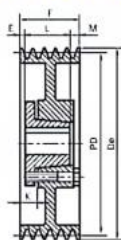
Cast Iron Sheaves

A/B-C-D

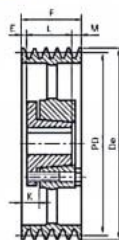
QTL



A-1



A-2



A-3

C-10

F=10 3/8"(263.53mm)

10C 80E	8.40	8.00	31/2	E	A1	-	23/8	31/4	25/8	53/8	42
10C 85 E	8.90	8.50	31/2	E	A1	-	23/8	31/4	25/8	53/8	48
10C 90 F	9.40	9.00	315/16	F	A1	-	23/8	39/16	35/8	43/8	54
10C 95 J	9.90	9.50	41/2	J	A1	-	23/8	39/16	41/2	31/2	60
10C 100 J	10.40	10.00	41/2	J	A1	-	23/8	39/16	41/2	31/2	68
10C 105 J	10.90	10.50	41/2	J	A1	-	23/8	39/16	41/2	31/2	75
10C 110 J	11.40	11.00	41/2	J	A1	-	23/8	39/16	41/2	31/2	90
10C 120 J	12.40	12.00	41/2	J	A1	-	23/8	39/16	41/2	31/2	106
10C 130 J	13.40	13.00	41/2	J	A2	73/4	23/8	39/16	41/2	31/2	110
10C 140 J	14.40	14.00	41/2	J	A2	73/4	23/8	39/16	41/2	31/2	124
10C150J	15.40	15.00	41/2	J	A2	73/4	23/8	39/16	41/2	31/2	138
10C 160 J	16.40	16.00	41/2	J	A3	73/4	23/8	39/16	41/2	31/2	145
10C 180 J	18.40	18.00	41/2	J	A3	73/4	23/8	39/16	41/2	31/2	168
10C 200 J	20.40	20.00	41/2	J	A3	73/4	23/8	39/16	41/2	31/2	182
10C 240 M	24.40	24.00	51/2	M	A3	91/2	1/2	115/16	63/4	31/8	272
10C 300 M	30.40	30.00	51/2	M	A3	91/2	1/2	115/16	63/4	31/8	355
10C 360 M	36.40	36.00	51/2	M	A3	91/2	1/2	115/16	63/4	31/8	455
10C 440 M	44.40	44.00	51/2	M	A3	91/2	1/2	115/16	63/4	31/8	544
10C 500 M	50.40	50.00	51/2	M	A3	91/2	1/2	115/16	63/4	31/8	622

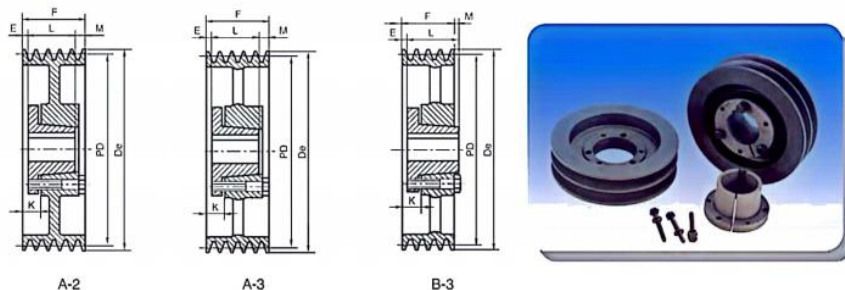
Sheave	De	Dp	Bush Max Bore	Bush	Type	Db	E	K	L	M	WT Less Bush
12C 90 F	9.40	9.00	315/16	F	A1	-	27/8	41/16	35/8	57/8	63
12C 95 J	9.90	9.50	41/2	J	A1	-	27/8	41/16	41/2	5	75
12C 100 J	10.40	10.00	41/2	J	A1	-	27/8	41/16	41/2	5	84
12C 105J	10.90	10.50	41/2	J	A1	-	27/8	41/16	41/2	5	89
12C 110 J	11.40	11.00	41/2	J	A1	-	27/8	41/16	41/2	5	97
12C 120 J	12.40	12.00	41/2	J	A1	-	27/8	41/16	41/2	5	119
12C 130 J	13.40	13.00	41/2	J	A2	73/4	27/8	41/16	41/2	5	125
12C 140 J	14.40	14.00	41/2	J	A2	73/4	27/8	41/16	41/2	5	139
12C 150 J	15.40	15.00	41/2	J	A2	73/4	27/8	41/16	41/2	5	156
12C 160 J	16.40	16.00	41/2	J	A3	73/4	27/8	41/16	41/2	5	175
12C 180 J	18.40	18.00	41/2	J	A3	73/4	27/8	41/16	41/2	5	185
12C 200M	20.40	20.00	51/2	M	A3	91/2	1/2	115/16	63/4	51/8	228
12C 240M	24.40	24.00	51/2	M	A3	91/2	1/2	115/16	63/4	51/8	287
12C 270M	27.40	27.00	51/2	M	A3	91/2	1/2	115/16	63/4	51/8	350
12C 300 M	30.40	30.00	51/2	M	A3	91/2	1/2	115/16	63/4	51/8	430
12C 360M	36.40	36.00	51/2	M	A3	91/2	1/2	115/16	63/4	51/8	565
12C 440M	44.40	44.00	51/2	M	A3	91/2	1/2	115/16	63/4	51/8	595
12C 500M	50.40	50.00	51/2	M	A3	91/2	1/2	115/16	63/4	51/8	607

Taper Bore V-pulleys

Cast Iron Sheaves

A/B-C-D

QTL



Sheave	De	Dp	Bush Max Bore	Bush	Type	Db	E	K	L	M	WT Less Bush
3D 120 F	12.60	12.00	315/16	F	A2	7	1/2	11/2	35/8	1/2	58
3D 130 F	13.60	13.00	315/16	F	A2	7	1/2	11/2	35/8	1/2	63
3D 135 F	14.10	13.50	315/16	F	A2	7	1/2	11/2	35/8	1/2	68
3D 140 F	14.60	14.00	315/16	F	A2	7	1/2	11/2	35/8	1/2	71
3D 145 F	15.10	14.50	315/16	F	A2	7	1/2	11/2	35/8	1/2	82
3D 150 F	15.60	15.00	315/16	F	A2	7	1/2	11/2	35/8	1/2	86
3D 155 F	16.10	15.50	315/16	F	A2	7	1/2	11/2	35/8	1/2	93
3D 160 F	16.60	16.00	315/16	F	A2	7	1/2	11/2	35/8	1/2	95
3D 170 F	17.60	17.00	315/16	F	A2	7	1/2	11/2	35/8	1/2	99
3D 180 J	18.60	18.00	41/2	J	A3	73/4	-	13/16	41/2	1/8	105
3D 200J	20.60	20.00	41/2	J	A3	73/4	-	13/16	41/2	1/8	148
3D 220 J	22.60	22.00	41/2	J	A3	73/4	-	13/16	41/2	1/8	164
3D 270 J	27.60	27.00	41/2	J	A3	73/4	-	13/16	41/2	1/8	180
3D 330 J	33.60	33.00	41/2	J	A3	73/4	-	13/16	41/2	1/8	195
3D 400 J	40.60	40.00	41/2	J	A3	73/4	-	13/16	41/2	1/8	260

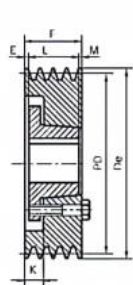
Sheave	De	Dp	Bush Max Bore	Bush	Type	Db	E	K	L	M	WT Less Bush
4C50SD	5.40	5.00	2	SD	A1	-	5/8	11/4	113/16	115/16	10.0
4C54SD	5.80	5.40	2	SD	A1	-	11/16	15/16	113/16	17/8	12.0
4C55SD	5.90	5.50	2	SD	A1	-	11/16	15/16	113/16	17/8	12.4
4C56SD	6.00	5.60	2	SD	A1	-	11/16	15/16	113/16	17/8	12.6
4C60SK	6.40	6.00	25/8	SK	A1	-	3/16	7/8	115/16	21/8	12.8
4C70SF	7.40	7.00	215/16	SF	A2	5	7/8	19/16	21/16	17/16	13.0
4C75SF	7.90	7.50	215/16	SF	A2	5	7/8	19/16	21/16	17/16	19.0
4C80E	8.40	8.00	31/2	E	A1	-	11/8	2	25/8	5/8	24.0
4C85E	8.90	8.50	31/2	E	A1	-	11/8	2	25/8	5/8	27.0
4C90E	9.40	9.00	31/2	E	A1	-	11/8	2	25/8	5/8	30.0
4C95E	9.90	9.50	31/2	E	A1	-	11/8	2	25/8	5/8	33.0
4C100E	10.40	10.00	31/2	E	A2	61/4	11/8	2	25/8	5/8	35.0
4C105E	10.90	10.50	31/2	E	A2	61/4	11/8	2	25/8	5/8	40.0
4C110E	11.40	11.00	31/2	E	A2	61/4	11/8	2	25/8	5/8	45.0
4C120E	12.40	12.00	31/2	E	A2	61/4	11/8	2	25/8	5/8	48.0
4C130E	13.40	13.00	31/2	E	A3	61/4	11/8	2	25/8	5/8	49.0
4C140E	14.40	14.00	31/2	E	A3	61/4	11/8	2	25/8	5/8	56.0
4C150 E	15.40	15.00	31/2	E	A3	61/4	11/8	2	25/8	5/8	62.0
4C160 E	16.40	16.00	31/2	E	A3	61/4	11/8	2	25/8	5/8	68.0
4C180E	18.40	18.00	31/2	E	A3	61/4	11/8	2	25/8	5/8	74.0
4C200E	20.40	20.00	31/2	E	A3	61/4	5/8	11/2	25/8	11/8	81.0
4C240F	24.40	24.00	315/16	F	A3	7	5/16	15/16	35/8	7/16	120
4C270F	27.40	27.00	315/16	F	A3	7	5/16	15/16	35/8	7/16	138
4C300F	30.40	30.00	315/16	F	A3	7	5/16	15/16	35/8	7/16	166
4C360F	36.40	36.00	315/16	F	A3	7	5/16	15/16	35/8	7/16	176
4C440J	44.40	44.00	41/2	F	B3	73/4	3/8	19/16	41/2	1/2	254
4C500J	50.40	50.00	41/2	F	B3	73/4	3/8	19/16	41/2	1/2	318

**T_{aper}
B_{ore}** **V-pulleys**

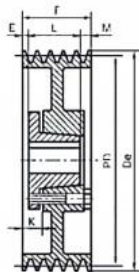
Cast Iron Sheaves

A/B-C-D

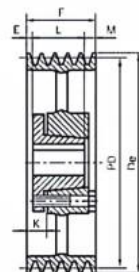
QTL



A-1



A-2



A-3

Sheave	De	Dp	Bush Max Bore	Bush	Type	Db	E	K	L	M	WT Less Bush
5C 60 SK	6.40	6.00	25/8	SK	A1	-	3/16	7/8	115/16	31/8	14
5C 70 SF	7.40	7.00	215/16	SF	A1	-	11/4	115/16	21/16	21/16	19
5C 75 SF	7.90	7.50	215/16	SF	A1	-	11/4	115/16	21/16	21/16	22
5C 80 E	8.40	8.00	31/2	E	A1	-	11/2	23/8	25/8	11/4	28
5C 85 E	8.90	8.50	31/2	E	A1	-	11/2	23/8	25/8	11/4	31
5C 90 E	9.40	9.00	31/2	E	A1	-	11/2	23/8	25/8	11/4	32
5C 95 E	9.90	9.50	31/2	E	A1	-	11/2	23/8	25/8	11/4	36
5C 100 E	10.40	10.00	31/2	E	A2	61/4	11/2	23/8	25/8	11/4	38
5C 105 E	10.90	10.50	31/2	E	A2	61/4	11/2	23/8	25/8	11/4	43
5C 110 E	11.40	11.00	31/2	E	A2	61/4	11/2	23/8	25/8	11/4	50
5C 120 E	12.40	12.00	31/2	E	A2	61/4	11/2	23/8	25/8	11/4	55
5C 130 E	13.40	13.00	31/2	E	A3	61/4	11/2	23/8	25/8	11/4	58
5C 140 E	14.40	14.00	31/2	E	A3	61/4	11/2	23/8	25/8	11/4	61
5C 150 E	15.40	15.00	31/2	E	A3	61/4	11/2	23/8	25/8	11/4	69
5C 160 E	16.40	16.00	31/2	E	A3	61/4	11/2	23/8	25/8	11/4	75
5C 180 E	18.40	18.00	31/2	E	A3	61/4	11/2	23/8	25/8	11/4	85
5C 200 F	20.40	20.00	315/16	F	A3	7	15/16	15/16	35/8	17/16	108
5C 240 F	24.40	24.00	315/16	F	A3	7	15/16	15/16	35/8	17/16	124
5C 270 F	27.40	27.00	315/16	F	A3	7	15/16	15/16	35/8	17/16	154
5C 300 F	30.40	30.00	315/16	F	A3	7	15/16	15/16	35/8	17/16	174
5C 360 J	36.40	36.00	41/2	J	A3	73/4	3/8	19/16	41/2	1/2	226
5C 440 J	44.40	44.00	41/2	J	A3	73/4	3/8	19/16	41/2	1/2	289
5C 500 J	50.40	50.00	41/2	J	A3	73/4	3/8	19/16	41/2	1/2	316

Sheave	De	Dp	Bush Max Bore	Bush	Type	Db	E	K	L	M	WT Less Bush
6D 120 J	12.60	12.00	41/2	J	A1	-	21/8	35/16	41/2	25/16	104
6D 130 J	13.60	13.00	41/2	J	A1	-	21/8	35/16	41/2	25/16	122
6D 135 J	14.10	13.50	41/2	J	A1	-	21/8	35/16	41/2	25/16	125
6D 140 J	14.60	14.00	41/2	J	A1	-	21/8	35/16	41/2	25/16	128
6D 145 J	15.10	14.50	41/2	J	A1	-	21/8	35/16	41/2	25/16	130
6D 150 J	15.60	15.00	41/2	J	A2	73/4	21/8	35/16	41/2	25/16	136
6D 155 J	16.10	15.50	41/2	J	A2	73/4	21/8	35/16	41/2	25/16	139
6D 160 J	16.60	16.00	41/2	J	A2	73/4	21/8	35/16	41/2	25/16	141
6D 170 J	17.60	17.00	41/2	J	A2	73/4	21/8	35/16	41/2	25/16	154
6D 180 J	18.60	18.00	41/2	J	A2	73/4	21/8	35/16	41/2	25/16	172
6D 200 J	20.60	20.00	41/2	J	A2	73/4	21/8	35/16	41/2	25/16	183
6D 220 M	22.60	22.00	51/2	M	A2	73/4	1/2	115/16	63/4	111/16	272
6D 270 M	27.60	27.00	51/2	M	A3	91/2	1/2	115/16	63/4	111/16	280
6D 330 M	33.60	33.00	51/2	M	A3	91/2	1/2	115/16	63/4	111/16	356
6D 400 M	40.60	40.00	51/2	M	A3	91/2	1/2	115/16	63/4	111/16	415
6D 440 M	44.60	44.00	51/2	M	A3	91/2	1/2	115/16	63/4	111/16	536
6D 480 M	48.60	48.00	51/2	M	A3	91/2	1/2	115/16	63/4	111/16	572
6D 580 N	58.60	58.00	6	N	A3	101/2	1/2	21/4	81/8	5/16	1006



Hangzhou Ocean Industry CO., LTD.

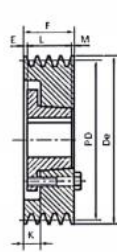
T_B
aper
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V-pulleys

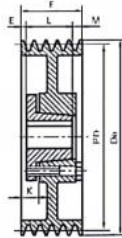
Cast Iron Sheaves

A/B-C-D

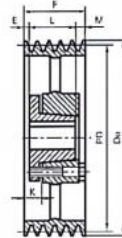
QTL



A-1



A-2



A-3

SHEAVE	De	Dp	Bush Max Bore	Bush	Type	Db	E	K	L	M	WT Less Bush
8D 120 J	12.60	12.00	41/2	J	A	-	23/8	39/16	41/2	415/16	126
8D 130 J	13.60	13.00	41/2	J	A1	-	23/8	39/16	41/2	415/16	147
8D 135 J	14.10	13.50	41/2	J	A1	-	23/8	39/16	41/2	415/16	150
8D 140 J	14.60	14.00	41/2	J	A1	-	23/8	39/16	41/2	415/16	155
8D 145 J	15.10	14.50	41/2	J	A1	-	23/8	39/16	41/2	415/16	160
8D 150 J	15.60	15.00	41/2	J	A2	73/4	23/8	39/16	41/2	415/16	176
8D 155 J	16.10	15.50	41/2	J	A2	73/4	23/8	39/16	41/2	415/16	180
8D 160 J	16.60	16.00	41/2	J	A2	73/4	23/8	39/16	41/2	415/16	200
8D 170 M	17.60	17.00	51/2	M	A1	-	21/2	315/16	63/4	29/16	225
8D 180 M	18.60	18.00	51/2	M	A2	91/2	21/2	315/16	63/4	29/16	250
8D 200 M	20.60	20.00	51/2	M	A2	91/2	21/2	315/16	63/4	29/16	270
8D 220 M	22.60	22.00	51/2	M	A2	91/2	1/2	115/16	63/4	49/16	316
8D 270 M	27.60	27.00	51/2	M	A3	91/2	1/2	115/16	63/4	49/16	440
8D 330 M	33.60	33.00	51/2	M	A3	91/2	1/2	115/16	63/4	49/16	458
8D 400 N	40.60	40.00	6	N	A3	101/2	1/2	21/4	81/8	39/16	638
8D 440 N	44.60	44.00	6	N	A3	101/2	1/2	21/4	81/8	39/16	616
8D 480 N	48.60	48.00	6	N	A3	101/2	1/2	21/4	81/8	39/16	755
8D 580 N	58.60	58.00	6	N	A3	101/2	1/2	21/4	81/8	39/16	1112

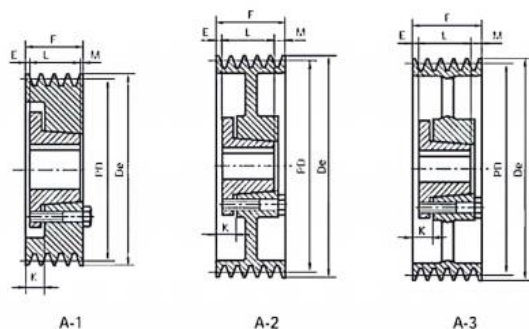
Sheave	De	Dp	Bush Max Bore	Bush	Type	Db	E	K	L	M	WT Less Bush
10D 120 M	12.60	12.00	51/2	M	A1	-	21/2	315/16	63/4	57/16	158
10D 130 M	13.60	13.00	51/2	M	A1	-	21/2	315/16	63/4	57/16	178
10D 135 M	14.10	13.50	51/2	M	A1	-	21/2	315/16	63/4	57/16	196
10D 140 M	14.60	14.00	51/2	M	A1	-	21/2	315/16	63/4	57/16	207
10D 145 M	15.10	14.50	51/2	M	A1	-	21/2	315/16	63/4	57/16	225
10D 150 M	15.60	15.00	51/2	M	A1	-	21/2	315/16	63/4	57/16	238
10D 155 M	16.10	15.50	51/2	M	A1	-	21/2	315/16	63/4	57/16	260
10D 160 M	16.60	16.00	51/2	M	A1	-	21/2	315/16	63/4	57/16	279
10D 170 M	17.60	17.00	51/2	M	A1	-	21/2	315/16	63/4	57/16	292
10D 180 M	18.60	18.00	51/2	M	A1	-	21/2	315/16	63/4	57/16	330
10D 200 M	20.60	20.00	51/2	M	A2	91/2	21/2	315/16	63/4	57/16	340
10D 220 M	22.60	22.00	51/2	M	A3	91/2	11/2	215/16	63/4	67/16	355
10D 270 M	27.60	27.00	51/2	M	A3	91/2	11/2	215/16	63/4	67/16	398
10D 330 N	33.60	33.00	6	N	A3	101/2	11/2	31/4	81/8	51/16	434
10D 400 N	40.60	40.00	6	N	A3	101/2	11/2	31/4	81/8	51/16	502
10D 440 N	44.60	44.00	6	N	A3	101/2	11/2	31/4	81/8	51/16	727
10D 480 P	48.60	48.00	63/4	P	A3	13	5/8	25/8	93/8	411/16	755
10D 580 P	58.60	58.00	63/4	P	A3	13	5/8	25/8	93/8	411/16	1286

**T_{aper}
B_{ore}** **V-pulleys**

Cast Iron Sheaves

A/B-C-D

QTL



BORE RANGE FOR QTL BUSHING

Bush Sym.	Min. Bore	Max Bore with:		
		Full Keyway	Shallow Keyway	No Keyway
SF	1/2	2 1/4	2 7/8	2-15/16
E	7/8	2 7/8	3 1/2	—
F	1	3 1/4	3-15/16	4
J	1-1/2	3 13/16	4-1/2	—
M	2	4 11/16	5 1/2	—
N	2-7/16	5 1/16	5-7/8	—
P	2-15/16	5 13/16	7	—

Sheave	De	Dp	Bush Max Bore	Bush	Type	Db	E	K	L	M	WT Less Bush
12D 120 M	12.60	12.00	51/2	M	A1	-	31/2	415/16	63/4	75/16	158
12D 130 M	13.60	13.00	51/2	M	A1	-	31/2	415/16	63/4	75/16	176
12D 135 M	14.10	13.50	51/2	M	A1	-	31/2	415/16	63/4	75/16	219
12D 140 M	14.60	14.00	51/2	M	A1	-	31/2	415/16	63/4	75/16	242
12D 145 M	15.10	14.50	51/2	M	A1	-	31/2	415/16	63/4	75/16	256
12D 150 M	15.60	15.00	51/2	M	A1	-	31/2	415/16	63/4	75/16	266
12D 155 M	16.10	15.50	51/2	M	A1	-	31/2	415/16	63/4	75/16	287
12D 160M	16.60	16.00	51/2	M	A1	-	31/2	415/16	63/4	75/16	308
12D 170 M	17.60	17.00	51/2	M	A1	-	31/2	415/16	63/4	75/16	325
12D 180 M	18.60	18.00	51/2	M	A1	-	31/2	415/16	63/4	75/16	330
12D 200 M	20.60	20.00	51/2	M	A2	91/2	31/2	415/16	63/4	75/16	340
12D 220 M	22.60	22.00	51/2	M	A2	91/2	21/2	315/16	63/4	85/16	355
12D 270 N	27.60	27.00	51/2	N	A3	101/2	21/2	41/4	63/4	615/16	392
12D 330 N	33.60	33.00	6	N	A3	101/2	21/2	41/4	63/4	615/16	505
12D 400 P	40.60	40.00	63/4	P	A3	13	5/8	25/8	81/8	79/16	946
12D 440 P	44.60	44.00	63/4	P	A3	13	5/8	25/8	81/8	79/16	1065
12D 480 P	48.60	48.00	63/4	P	A3	13	5/8	25/8	81/8	79/16	1155
12D 580 P	58.60	58.00	63/4	P	A3	13	5/8	25/8	81/8	79/16	1576