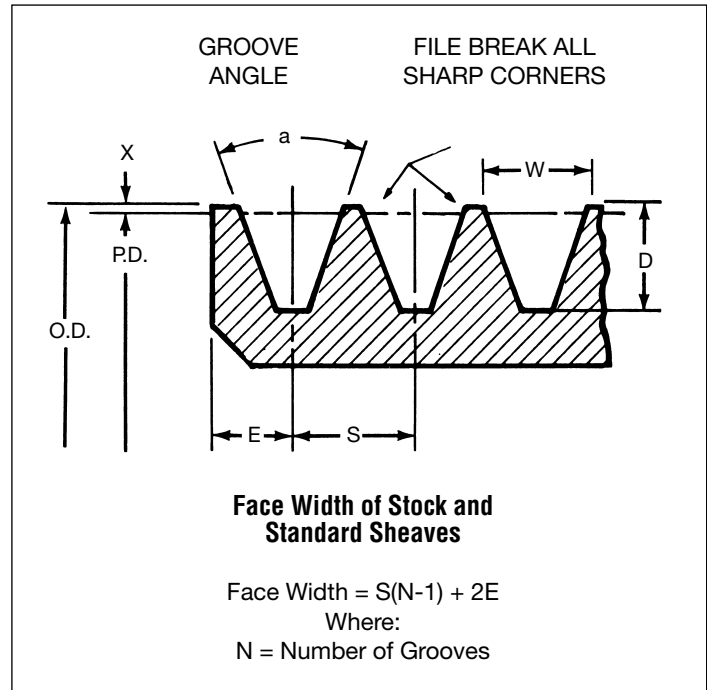


## CONVENTIONAL SHEAVE TOLERANCES

Outside Diameter	
Under 12.00"	± .020"
12.00" thru 23.99"	± .040"
24.00" thru 57.99"	± .060"
58.00" thru 71.99"	± .120"
Over 72.00"	± .250"
Outside Diameter Eccentricity	
Under 10.00" P.D.	.010"
10.01" thru 60.00" P.D.	.010" plus .0005" per inch of P.D.
Over 60.00" P.D.	Add .001" for each add'l inch of P.D.
Side Wobble And Runout	
20.00" P.D. & Under	not to exceed .001" per inch of P.D.
20.00" thru 60.00" P.D.	Add .0005" for each add'l inch of P.D. up to 60.00"
Over 60.00" P.D.	Add .001" for each add'l inch of P.D. above 60.00"



V-BELT DRIVES

## Standard Sheaves

Belt	Minimum Recommended Pitch Diameter	P.D. Range	a Groove Angle ± ½°	Groove Dimensions					
				W	D ± .031	X	S* ± .031	E	
A	3.0	2.6 - 5.4 Over 5.4	34° 38°	.494	.490	.125	.625	.375	+.070 -.000
				.504 ± .005					
B	5.4	4.6 - 7.0 Over 7.0	34° 38°	.637	.580	.175	.750	.500	+.150 -.000
				.650 ± .005					
A - B	A 3.0 B 5.4	3.4 - 6.8 Over 6.8	34° 38°	.612	.625	.175	.750	.500	+.150 -.000
				.625 ± .005					
C	9.0	7.0 - 7.99 8.0 - 12.0 Over 12.0	34°	.879	.780	.200	1	.688	+.150 -.000
			36°	.887 ± .007					
			38°	.895 ± .007					
D	13.0	12.0 - 12.99 13.0 - 17.0 Over 17.0	34°	1.259	1.050	.300	1.438	.875	+.250 -.000
			36°	1.271 ± .007					
			38°	1.283 ± .007					
E	21.0	18.0 - 24.0 Over 24.0	36°	1.527	1.300	.400	1.75	1.123	+.250 -.000
			38°	1.542 ± .010					

## Deep Groove Sheaves

Belt	Minimum Recommended Pitch Diameter	P.D. Range	a Groove Angle ± ½°	Groove Dimensions					
				W	D ± .031	X	S* ± .031	E	
A	3.0	2.6 - 5.4 Over 5.4	34° 38°	.589	.645	.280	.750	.438	+.070 -.000
				.611 ± .005					
B	5.4	4.6 - 7.0 Over 7.0	34° 38°	.747	.760	.355	.875	.563	+.150 -.000
				.774 ± .005					
C	9.0	7.0 - 7.99 8.0 - 12.0 Over 12.0	34°	1.066	1.085	.505	1.25	.813	+.150 -.000
			36°	1.085 ± .007					
			38°	1.105 ± .007					
D	13.0	12.0 - 12.99 13.0 - 17.0 Over 17.0	34°	1.513	1.465	.715	1.750	1.063	+.250 -.000
			36°	1.541 ± .007					
			38°	1.569 ± .007					
E	21.0	18.0 - 24.0 Over 24.0	36°	1.816	1.745	.845	2.063	1.313	+.250 -.000
			38°	1.849 ± .010					

### Dimensions in inches

\*Summation of the deviations from "S" for all grooves in any one sheave shall not exceed ± .063. Available on request, deep groove sheaves are intended for quarter turn drives and for long center vertical shaft drives. They may also be necessary for such applications as car shakers, vibrating screens and certain types of crushers where oscillation in center distance may occur.