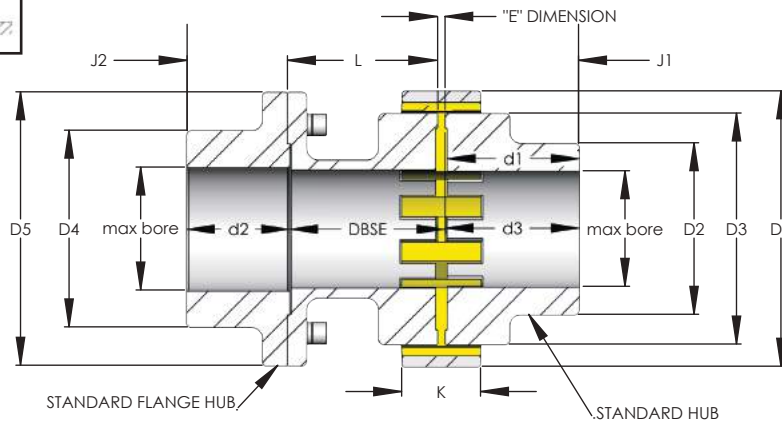


FIGURE 29  
SPACER

NOTES:  
 SPACER BODY (L) IS ORDERED BY DISTANCE BETWEEN SHAFT ENDS (DBSE)  
 \*\* SPACER BODY IS SHORTENED BY THE "E" DIMENSION AT THE FACTORY  
 \*\*\* STD. HUB SIDE SHAFT END IS INSTALLED SO THAT THE END OF SHAFT IS PERPENDICULAR WITH THE END OF THE WINGS ON THE HUB  
 \*\*\*\* CAN BE ORDERED TO MEET ALL API STANDARDS 610 / 7TH EDITION



**DIMENSIONS (IN INCHES)**

SIZE	A0	A1	A2	A3	A4	A5	A6	A7	A8	A9	A11	
EXTERNAL D1	2.500	3.150	4.250	5.560	7.000	8.890	10.680	12.120	14.450	16.950	20.000	
MAXIMUM BORE HUB	1.250	1.625	1.9375	2.375	2.9375	4.000	5.000	6.000	7.125	9.250	10.500	
MAXIMUM BORE FLANGE HUB	1.375	1.875	2.375	2.875	3.375	4.000	5.000	5.750	7.125	8.250	10.500	
*MAX BORE HEAVY DUTY FLANGE					3.875*	5.000*	6.875*	7.125	8.875*	9.250*	11.875*	
PILOT BORE	0.300	0.430	0.500	0.625	0.950	1.130	1.500	1.750	2.450	2.900	3.740	
d1	1.055	1.340	1.775	2.130	2.400	3.070	3.700	4.570	5.360	6.165	7.750	
d2	1.450	1.620	2.125	2.410	2.610	3.410	4.312	4.625	7.000	9.100	9.850	
d3	1.365	1.750	2.325	2.900	3.340	4.150	4.940	5.940	6.940	7.940	9.940	
D2	1.995	2.370	3.070	3.520	4.360	5.790	7.250	7.800	9.500	11.000	13.000	
D3	2.065	2.505	3.360	4.505	5.872	7.450	9.250	10.490	12.800	15.087	17.900	
D4 (FOR HEAVY DUTY FLANGE USE D5)	2.280	2.875	3.500	4.200	5.000	6.300	7.250	8.375	10.000	11.000	14.000	
D5	3.415	3.940	4.710	5.515	6.950	8.860	10.000	10.490	12.800	15.087	17.900	
J1	1.365	1.750	2.385	2.960	3.400	4.210	5.000	6.000	7.000	8.000	10.000	
J2	1.390	1.560	2.065	2.350	2.550	3.350	4.252	4.565	6.900	9.000	9.750	
K	0.550	0.875	1.250	1.625	2.025	2.325	2.775	3.025	3.350	3.775	5.000	
E (GAP)	0.062	0.062	0.062	0.062	0.188	0.188	0.188	0.188	0.188	0.219	0.100	
STANDARD BODY LENGTH		3.0 3.5	3.0 3.5 3.75	3.5 5.0 5.25	4.0 5.0 6.0 7.0	5.0 6.0 7.25		7.0 TO	7.0 TO	7.5 TO	9.5 TO	9.5 TO
CUSTOM LENGTHS AVAILABLE WITH EXTRA CHARGE		3.0 3.5	4.0 5.0 5.5 7.0	5.5 7.0 7.25 7.5	6.0 7.0 9.5 9.75	7.0 7.25 10.0 12.0	14.0	18.0	18.0	18.0	20.0	

SEE TABLE 1 FOR HORSEPOWER CAPACITY AT VARIOUS RPM

ATR SALES INC. reserves the right to change design without notice. The dimensions and weights listed are approximate and sufficiently accurate for most users. The purchaser should use certified prints for construction where exact dimensions and weights are critical. Additional information will be provided if extreme accuracy is required.