

KTR ROTEX (CURVE JAW TYPE) COUPLING SELECTION TABLE

H.P.	OPERATING SPEED								H.P.										
	3600	3000	1800	1500	1150	875	700	580											
1/4	ROTEX 24	ROTEX 24	ROTEX 24	ROTEX 24	ROTEX 24	ROTEX 24	ROTEX 24	ROTEX 24	ROTEX 24	1/4									
1/3										1/3									
1/2										1/2									
3/4										3/4									
1										1									
1 1/2										1 1/2									
2										2									
3	3																		
5	ROTEX 28	ROTEX 28	ROTEX 28	ROTEX 28	ROTEX 28	ROTEX 28	ROTEX 28	ROTEX 28	ROTEX 28	5									
7 1/2										7 1/2									
10										10									
15										15									
20										ROTEX 38	ROTEX 38	ROTEX 38	ROTEX 38	ROTEX 38	ROTEX 38	ROTEX 38	ROTEX 38	ROTEX 38	20
25																			25
30																			30
40																			40
50																			50
60																			60
75	ROTEX 42	ROTEX 42	ROTEX 42	ROTEX 42	ROTEX 42	ROTEX 42	ROTEX 42	ROTEX 42	ROTEX 42	75									
100										100									
125										125									
150										150									
200										200									
250										250									
300										ROTEX 55	ROTEX 55	ROTEX 55	ROTEX 55	ROTEX 55	ROTEX 55	ROTEX 55	ROTEX 55	ROTEX 55	300
350																			350
400																			400
450																			450
500	500																		
600	600																		
700	ROTEX 65	ROTEX 65	ROTEX 65	ROTEX 65	ROTEX 65	ROTEX 65	ROTEX 65	ROTEX 65	ROTEX 65	700									
800										800									
800										ROTEX 75	ROTEX 75	ROTEX 75	ROTEX 75	ROTEX 75	ROTEX 75	ROTEX 75	ROTEX 75	ROTEX 75	800
1000																			1000
1250																			1250
1500																			1500
2000	2000																		
2500	2500																		
3000	3000																		
3500	3500																		
4000	4000																		
4500	4500																		
5000	5000																		
6000	ROTEX 90	ROTEX 90	ROTEX 90	ROTEX 90	ROTEX 90	ROTEX 90	ROTEX 90	ROTEX 90	ROTEX 90	6000									
7000										7000									
8000										8000									
9000										9000									
10000										10000									
12500										12500									

SIZE	ROTEX 24	ROTEX 28	ROTEX 38	ROTEX 42	ROTEX 55	ROTEX 65	ROTEX 75	ROTEX 90	ROTEX 100	ROTEX 110	ROTEX 125
MAXIMUM BORE DIAMETER INCHES (mm)	1 1/8 (28)	1 1/2 (38)	1 3/4 (45)	2 1/8 (55)	2 3/4 (70)	2 1/2 (65)	3 3/4 (95)	3 1/2 (90)	4 1/2 (115)	4 7/8 (125)	5 5/8 (145)

- NOTES:**
- 1) SHAFT BORE SIZE MAY REQUIRE USING LARGER COUPLING SIZE THAN LISTED. AFTER SELECTING COUPLING, CHECK MAXIMUM BORE DIAMETER REQUIREMENTS FOR PUMP AND DRIVER. REFER TO MOTOR SHAFT DIMENSIONS BY FRAME SIZE IN SECTION 1005 PAGE 354). IF REQUIRED, MOVE TO THE RIGHT UNTIL THE SHAFT SIZES FIT WITHIN THE LIMITS OF THE COUPLING.
 - 2) COUPLING SIZES ROTEX 24 THRU ROTEX 55 ARE SIZED USING INSERT SPIDER DUROMETER OF 98 SHORE A. COUPLING SIZES ROTEX 65 THRU ROTEX 90 ARE SIZED USING INSERT SPIDER DUROMETER OF 95 SHORE A. COUPLING SIZES ROTEX 100 THRU ROTEX 160 ARE SIZED USING INSERT SPIDER DUROMETER OF 64 SHORE D. INSERT SPIDER MATERIAL TO BE URETHANE.
 - 3) ROTEX IS A REGISTERED TRADE MARK OF KTR CORPORATION.
 - 4) OPERATING AND ASSEMBLY INSTRUCTIONS ARE AVAILABLE AT WWW.KTRCORP.COM.

KTR ROTEX (CURVE JAW TYPE) COUPLING ALIGNMENT DATA

OPERATING SPEED		1500 RPM		1800 RPM		3000 RPM		3600 RPM	
ROTEX SIZE	GAP	MAX Parallel	MAX Angular	MAX Parallel	MAX Angular	MAX Parallel	MAX Angular	MAX Parallel	MAX Angular
24	0.71	0.009	0.033	0.008	0.031	0.006	0.030	0.005	0.017
28	0.79	0.010	0.040	0.009	0.039	0.007	0.033	0.006	0.026
38	0.94	0.011	0.053	0.010	0.051	0.007	0.043	0.007	0.035
42	1.02	0.012	0.070	0.011	0.067	0.008	0.055	0.007	0.047
55	1.18	0.015	0.091	0.014	0.090	0.010	0.079	0.009	0.071
65	1.38	0.016	0.110	0.015	0.102	0.011	0.091	0.010	0.087
75	1.57	0.018	0.130	0.017	0.126	0.013	0.114	0.011	0.106
90	1.77	0.019	0.170	0.018	0.161	0.013	0.150	0.013	0.138
100	1.97	0.020	0.190	0.019	0.181	0.014	0.165	ALL DIMENSIONS IN INCHES	
110	2.17	0.021	0.220	0.020	0.213	0.015	0.197		
125	2.36	0.024	0.250	0.021	0.248				