

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										5
7 1/2										7 1/2
10	ROTEX 28	ROTEX 28	ROTEX 28	ROTEX 28	ROTEX 28	ROTEX 28	ROTEX 28	ROTEX 28	10	
15									15	
20									20	
25									25	
30									30	
40									40	
50									50	
60									60	
75									75	
100									100	
125	ROTEX 38	ROTEX 38	ROTEX 38	ROTEX 38	ROTEX 38	ROTEX 38	ROTEX 38	ROTEX 38	125	
150									150	
200									200	
250									250	
300									300	
350									350	
400									400	
450									450	
500									500	
600									600	
700	ROTEX 42	ROTEX 42	ROTEX 42	ROTEX 42	ROTEX 42	ROTEX 42	ROTEX 42	ROTEX 42	700	
800									800	
1000									1000	
1200									1200	
1500									1500	
2000									2000	
2500									2500	
3000									3000	
3500									3500	
4000									4000	
4500	ROTEX 55	ROTEX 55	ROTEX 55	ROTEX 55	ROTEX 55	ROTEX 55	ROTEX 55	ROTEX 55	4500	
5000									5000	
6000									6000	
7000									7000	
8000									8000	
9000									9000	
10000									10000	
12000									12000	
15000									15000	
20000									20000	
25000	ROTEX 65	ROTEX 65	ROTEX 65	ROTEX 65	ROTEX 65	ROTEX 65	ROTEX 65	ROTEX 65	25000	
30000									30000	
35000									35000	
40000									40000	
45000									45000	
50000									50000	
55000									55000	
60000									60000	
65000									65000	
70000									70000	
75000	ROTEX 75	ROTEX 75	ROTEX 75	ROTEX 75	ROTEX 75	ROTEX 75	ROTEX 75	ROTEX 75	75000	
80000									80000	
85000									85000	
90000									90000	
95000									95000	
100000									100000	
105000									105000	
110000									110000	
115000									115000	
120000									120000	
125000	ROTEX 90	ROTEX 90	ROTEX 90	ROTEX 90	ROTEX 90	ROTEX 90	ROTEX 90	ROTEX 90	125000	
130000									130000	
135000									135000	
140000									140000	
145000									145000	
150000									150000	
155000									155000	
160000									160000	
165000									165000	
170000									170000	
175000	ROTEX 100	ROTEX 100	ROTEX 100	ROTEX 100	ROTEX 100	ROTEX 100	ROTEX 100	ROTEX 100	175000	
180000									180000	
185000									185000	
190000									190000	
195000									195000	
200000									200000	
205000									205000	
210000									210000	
215000									215000	
220000									220000	
225000	ROTEX 110	ROTEX 110	ROTEX 110	ROTEX 110	ROTEX 110	ROTEX 110	ROTEX 110	ROTEX 110	225000	
230000									230000	
235000									235000	
240000									240000	
245000									245000	
250000									250000	
255000									255000	
260000									260000	
265000									265000	
270000									270000	
275000	ROTEX 125	ROTEX 125	ROTEX 125	ROTEX 125	ROTEX 125	ROTEX 125	ROTEX 125	ROTEX 125	275000	
280000									280000	
285000									285000	
290000									290000	
295000									295000	
300000									300000	
305000									305000	
310000									310000	
315000									315000	
320000									320000	

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 125 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				