Engineering Data

TABLE 14 — Installation & Operating Misalignment Capacity

COUPLING SIZE	Installation Limits		Operating Limits	
	Parallel Offset (Inch)	Angular (Degree)	Parallel Offset (Inch)	Angular (Degree)
2R	.010	0.25	.020	1.00
3R	.010	0.25	.020	1.00
4R	.010	0.25	.020	1.00
5R	.020	0.25	.040	1.00
10R	.020	0.25	.040	1.00
20R	.040	0.25	.080	1.00
30R	.040	0.25	.080	1.00
40R	.040	0.25	.080	1.00
50R	.040	0.25	.080	1.00
60R	.040	0.25	.080	1.00
70R	.040	0.25	.080	1.00
80R	.040	0.25	.080	1.00

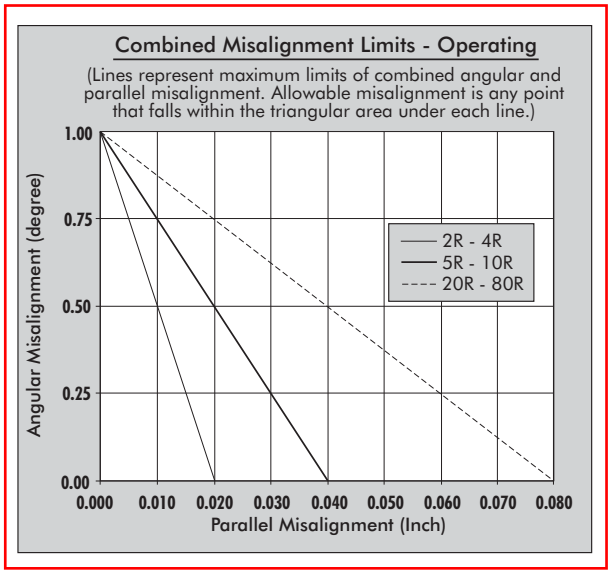

TABLE 15 — Mass & WR²

R10 Mass

COUPLING SIZE	Element	Nylon Cover	Steel Cover	R10 Hub (No Bore)	Total w/Nylon Cover	Total w/Steel Cover
	lb	lb	lb	lb	lb	lb
2R	0.025	0.018	0.10	0.38	0.80	0.89
3R	0.045	0.027	0.15	0.81	1.69	1.82
4R	0.063	0.042	0.25	1.23	2.57	2.77
5R	0.070	0.068	0.38	1.41	2.96	3.27
10R	0.13	0.11	0.61	2.62	5.48	5.98
20R	0.41	0.28	1.29	5.84	12.4	13.4
30R	0.63	0.37	1.82	9.83	20.7	22.1
40R	1.30	0.86	3.13	17.7	37.6	39.8
50R	2.70	1.70	5.83	37.2	78.8	82.9
60R	4.08	. . .	7.29	67.1	. . .	146
70R	6.17	. . .	10.2	114	. . .	244
80R	10.2	. . .	14.6	170	. . .	365

R10 WR²

COUPLING SIZE	Element	Nylon Cover	Steel Cover	R10 Hub (No Bore)	Total w/ Nylon Cover	Total w/ Steel Cover
	lb-in²	lb-in²	lb-in²	lb-in²	lb-in²	lb-in²
2R	0.012	0.015	0.083	0.11	0.25	0.32
3R	0.036	0.036	0.20	0.41	0.89	1.06
4R	0.067	0.072	0.43	0.82	1.78	2.14
5R	0.090	0.14	0.76	1.05	2.33	2.95
10R	0.23	0.32	1.73	2.80	6.15	7.56
20R	1.35	1.57	7.02	10.5	23.9	29.4
30R	2.75	2.80	13.2	23.2	52.0	62.4
40R	8.84	10.1	35.3	65.6	150	175
50R	30.4	31.8	106	245	552	626
60R	67.8	. . .	188	621	. . .	1,498
70R	141	. . .	358	1,500	. . .	3,499
80R	334	. . .	740	2,950	. . .	6,974

R31/R35 WR² Values ★

COUPLING SIZE	T31 Shaft Hub	R31Assembly †				R35 Assembly ‡			
		Min BE (Inch)	WR² at Min BE (lb-in²)		WR² (lb-in²) per Inch	Min BE (Inch)	WR² at Min BE (lb-in²)		WR² (lb-in²) per Inch
			Nylon Cover	Steel Cover			Nylon Cover	Steel Cover	
5R	1020	3.19	7.53	8.15	0.351	1.99	4.93	5.55	0.351
10R	1030	3.50	13.6	15.0	0.413	2.35	9.61	11.0	0.413
20R	1040	3.50	39.1	44.8	1.253	3.01	33.0	38.4	1.253
30R	1050	4.38	72.4	82.3	1.980	3.45	65.9	75.8	1.980
40R	1070	5.00	217	243	4.164	3.49	184	209	4.164
50R	1080	6.50	579	654	10.78	4.45	565	640	10.78
60R	1090	7.87	. . .	1500	20.35	5.42	. . .	1500	20.35
70R	1100	8.80	. . .	2970	40.58	6.06	. . .	3230	40.58
70R	1110	8.80	. . .	3620	40.58	6.06	. . .	3550	40.58
80R	1120	9.78	. . .	7670	61.97	6.80	. . .	7210	61.97
80R	1130	10.00	. . .	9610	144.8	6.91	. . .	8190	144.8

★ WR² values are based on hubs with no bore.
† For R31 Mass, refer to Page 11.
‡ For R35 Mass, refer to Page 12.