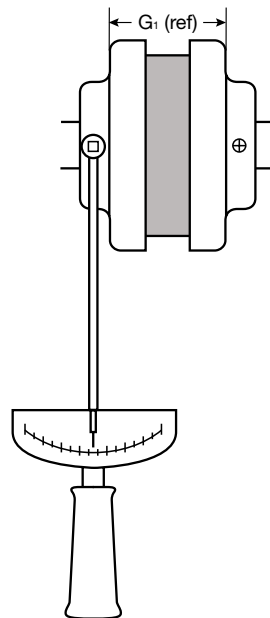
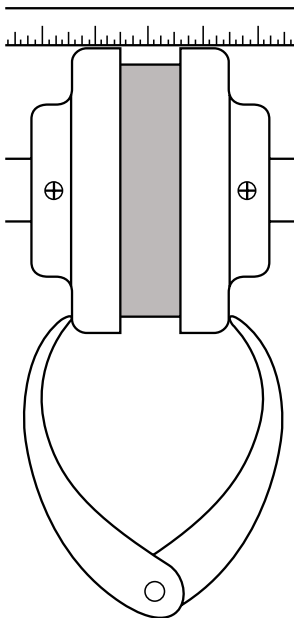


**ALIGNMENT, SLEEVE SEATING AND TORQUE WRENCH USE  
ARE CRITICAL TO COUPLING OPERATION**

1. Position flanges and element on shafts. Sleeve should be seated against both flanges but not compressed;  $G_1$  can be used for reference. Lightly tighten set screws. If applicable, leave metal ring hanging at side.
2. Check parallel alignment around circumference using a straightedge and feeler gauges; do not rotate coupling. Maximum offset must not exceed the figure under "Parallel" in Table 1.
3. Check angular alignment using caliper around circumference against backside flange faces just inboard of OD radius; do not rotate coupling. Subtract minimum measurement from maximum; this should not exceed the figure under "Angular" in Table 1. Recheck parallel alignment after any adjustment.
4. Using a torque wrench, tighten set screws to values in Table 2.



5. For two-piece EPDM/Neoprene sleeve, install ring using blunt tool. If necessary, soapy water can be used to ease ring into place.
6. Install coupling guard per OSHA, ANSI and local standards.

**WARNING: Coupling *must* be guarded to OSHA, ANSI and local standards**

# Verify Maximum RPM

**Table 1 - Maximum RPM and Allowable Misalignment**

Sleeve Size	Max RPM	G <sub>1</sub> (ref)		Type JE, JN, JES, JNS, E, N				Type H, HS, U*			
				Parallel		Angular		Parallel		Angular	
		in	mm	in	mm	in	mm	in	mm	in	mm
3	9200	1.2	30	0.010	0.25	0.035	0.89	-	-	-	-
4	7600	1.5	38	0.010	0.25	0.043	1.09	-	-	-	-
5	7600	1.9	49	0.015	0.38	0.056	1.42	-	-	-	-
6	6000	2.4	60	0.015	0.38	0.070	1.78	0.010	0.25	0.016	0.41
7	5250	2.6	65	0.020	0.51	0.081	2.06	0.012	0.31	0.020	0.51
8	4500	2.9	75	0.020	0.51	0.094	2.39	0.015	0.38	0.025	0.64
9	3750	3.5	89	0.025	0.64	0.109	2.80	0.017	0.43	0.028	0.71
10	3600	4.1	103	0.025	0.64	0.128	3.21	0.020	0.51	0.032	0.81
11	3600	4.9	124	0.032	0.81	0.151	3.89	0.022	0.56	0.037	0.94
12	2800	5.7	119	0.032	0.81	0.175	4.44	0.025	0.64	0.042	1.07
13	2400	6.6	170	0.040	1.02	0.195	4.95	0.030	0.76	0.050	1.27
14	2200	7.8	197	0.045	1.14	0.242	6.15	0.035	0.89	0.060	1.52
16	1500	10.2	260	0.062	1.58	0.330	7.38	-	-	-	-

\*H and HS sleeves should not be used as replacements for EPDM or Neoprene Sleeves

Note: When using a VFD on a centrifugal pump or fan, reduce allowable parallel and angular alignment values by half

**Table 2 - Fastener Torque Values**

Size	Type J		Type S		Type SC*				Type B		Type C			
	Set Screws		Set Screws		Cap Screws Flg-Hub		Set Screws		Cap Screws		Clamping Screws		Set Screws	
	ft-lbs	Nm	ft-lbs	Nm	ft-lbs	Nm	ft-lbs	Nm	ft-lbs	Nm	ft-lbs	Nm	ft-lbs	Nm
3	3	4	-	-	-	-	-	-	-	-	-	-	-	-
4	3	4	-	-	5.5**	8**	7	10	-	-	-	-	-	-
5	7	10	7	10	4	6	13	18	-	-	-	-	-	-
6	13	18	13	18	9	12	13	18	5	7	15	21	13	18
7	-	-	13	18	9	12	13	18	5	7	30	41	13	18
8	-	-	23	31	18	24	23	31	9	12	55	75	13	18
9	-	-	23	31	31	42	23	31	9	12	55	75	13	18
10	-	-	23	31	50	68	50	68	15	20	100	136	13	18
11	-	-	23	31	75	102	50	68	30	41	100	136	13	18
12	-	-	50	68	150	203	100	136	60	81	200	271	13	18
13	-	-	100	136	150	203	165	226	75	102	-	-	-	-
14	-	-	100	136	150	203	165	226	75	102	-	-	-	-
16	-	-	100	136	-	-	-	-	135	183	-	-	-	-

\* Torque values apply to hub size when different than flange size

\*\* Values for socket head clamping screw

For expanded instructions, please visit our literature portal at [www.AltraLiterature.com](http://www.AltraLiterature.com)

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