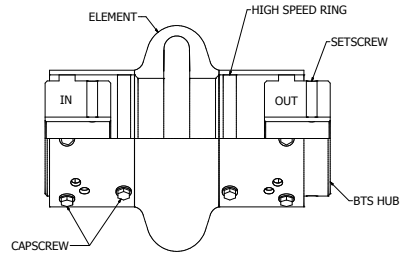
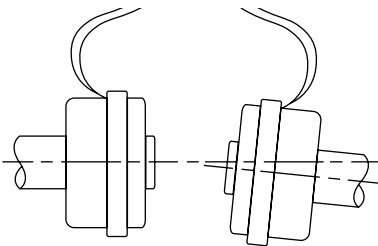
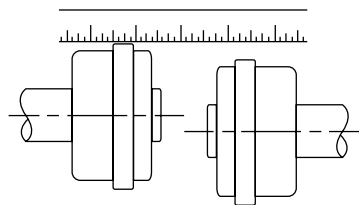

**Typical Standard**

**Typical Spacer**

1. Position hubs on shafts using a half element to determine approximate spacing. Lightly tighten set screws.
2. When high speed rings are to be used for spacer couplings, loosely install one ring on each half element.
3. Check angular alignment by running a caliper around the hubs; do not rotate hubs. Set caliper to widest point then use feeler gauges at narrowest point to determine maximum offset. Check offset against Table 2. If necessary, realign shafts.
4. Check parallel alignment using straightedge and feeler gauges; do not rotate hubs. Maximum offset must not exceed the value above "Parallel" in Figure 1 for the coupling size and angular misalignment. If necessary, realign shafts then recheck angular alignment.
5. Using a torque wrench, tighten all fasteners to values in Table 1.
6. Install coupling guard per OSHA, ANSI and local standards.

### Angular Alignment



### Parallel Alignment



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

**Table 1 - Maximum RPM and Fastener Torque Values**

Coupling Size	Maximum RPM		Element & Ring Cap Screws				BTS Hubs Set Screws			
			Imperial Elements		Metric Elements**		Imperial Hubs		Metric Hubs**	
	Standard	Spacer* (HS Rings)	Screw Size	ft-lb	Screw Size	Nm	Screw Size	ft-lb	Screw Size	Nm
WE2/WES2	<b>7500</b>	<b>7500</b>	1/4-20	17	M6-1	23	1/4-20	7	M6-1	6
WE3/WES3							5/16-18	14	M8-1.25	19
WE4/WES4										
WE5/WES5							3/8-16	23		
WE10/WES10										
WE20/WES20	<b>6600</b>	<b>4800(6600)</b>	3/8-16	30	M10-1.5	40	1/2-13	50	M10-1.5	32
WE30/WES30	<b>5800</b>	<b>4200(5800)</b>								
WE40/WES40	<b>5000</b>	<b>3600(5000)</b>					5/8-11	100		
WE50/WES50	<b>4200</b>	<b>3100(4200)</b>								
WE60/WES60	<b>3800</b>	<b>2800(3800)</b>								
WE70/WES70	<b>3600</b>	<b>2600(3600)</b>	1/2-13	75	M12-1.75	100	3/4-10	167	M12-1.75	54
WE80/WES80	<b>2000</b>	<b>1800(2000)</b>								

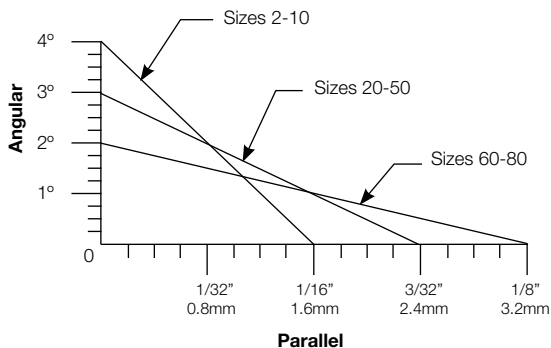
\*Maximum spacer element RPM = Maximum standard element RPM if using high speed rings. HS rings come standard with sizes 2-10 and are available as an option for sizes 20-80.

\*\*Metric elements and hubs use metric hardware and are denoted by "M" in the part number, e.g. WE2M, WES2M, WE2HM28MM.

**Table 2 - Angular Inch Gap**

Hub Size		Degrees			
		1°	2°	3°	4°
WE2	in	0.03	0.07	0.10	0.13
	mm	0.8	1.7	2.5	3.3
WE3	in	0.04	0.08	0.12	0.16
	mm	1.0	2.1	3.1	4.1
WE4	in	0.05	0.09	0.14	0.18
	mm	1.1	2.3	3.5	4.6
WE5	in	0.06	0.11	0.16	0.22
	mm	1.4	2.8	4.2	5.5
WE10	in	0.06	0.13	0.19	0.22
	mm	1.6	3.2	4.9	5.5
WE20	in	0.08	0.16	0.23	
	mm	2.0	4.0	5.9	
WE30	in	0.10	0.19	0.28	
	mm	2.4	4.8	7.2	
WE40	in	0.12	0.23	0.35	
	mm	2.9	5.9	8.8	
WE50	in	0.14	0.28	0.43	
	mm	3.6	7.2	10.8	
WE60	in	0.15	0.31		
	mm	3.9	7.7		
WE70	in	0.16	0.32		
	mm	4.1	8.2		
WE80	in	0.20	0.39		
	mm	5.0	10.0		

**Figure 1 - Parallel Inch Gap**



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