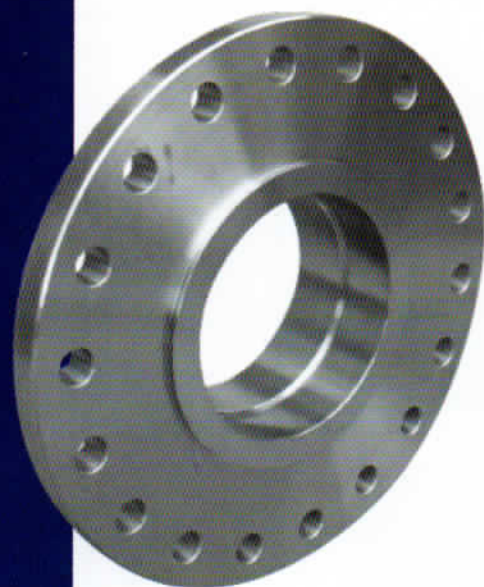


RIGID FLANGE COUPLING



Size	Shaft ø mm	Weight kg	Torque Nm	Flange Connecting Bolts	Number of Bolts
170/260	min. 50 max. 70	32 30	6 300 10 000	M14 x 16	8
200/320	min. 70 max. 90	39 37	16 000 20 000	M16 x 75	8
230/400	min. 95 max. 115	47 45	28 000 35 500	M24 x 100	8
270/400	min. 115 max. 140	55 51	45 000 56 000	M24 x 100	8
330/560	min. 140 max. 170	112 105	90 000 112 000	M30 x 120	18
390/560	min. 170 max. 210	137 125	160 000 200 000	M30 x 120	18
430/630	min. 170 max. 210	160 148	160 000 200 000	M30 x 130	18
470/630	min. 210 max. 250	199 183	265 000 315 000	M30 x 130	18
510/710	min. 250 max. 270	259 249	375 000 400 000	M30 x 130	24
550/710	min. 270 max. 290	286 275	475 000 500 000	M30 x 130	24

Size	Bore Length	Screws	
		Sizes	TA Nm
50/70	75	M10	83
70/90	90	M12	145
90/115	100	M14	230
115/140	100	M14	230
140/170	128	M16	355
170/210	128	M16	355
170/210	128	M16	355
210/250	150	M20	650
250/270	158	M20	650
270/290	158	M20	650



Sequence Torque - Installation

Assembly

1. Release all bolts a few turns and transfer at least 3 bolts into each of the tapped holes of part 1 and 3 in order to keep a gap between parts 1 & 2 spaced from 3. The DY014 has a self locking taper.
2. Lubricate the locking ring (machine oil) before installation (do not use Molybdenum disulfide MoS₂).
3. After installing onto shaft, transfer the bolts from the jacking holes in parts 1 & 3 into the taped holes of part 2.
4. Before tightening the bolts, turn the connecting flange until the split is vertical on the topside of the shaft.
5. Hand tightening the bolts progressively, starting next to the split and alternating diagonally. Check the run out and dimension A for equal distance. Correct any misalignment. At this point the run out should not exceed 0.05 at the face of the coupling. Excessive misalignment can cause permanent damage to the unit.
6. Then proceed with a torque wrench progressively until the torque setting has been reached. Check final run out and as a guide line the runout could be 0.05 to 0.10.
7. A slight axial movement will occur during this process (1mm). Verify the bolt torque (TA) from the catalogue and to not exceed.

Dismantling

1. Release all bolts, and transfer as many bolts into jacking holes in part 1 & 3 (tapped holes).
2. Progressively tighten the bolts in the jacking holes, right and left from the split until the assemble comes free.

Technical Information

The 30 Flange coupling consists of 2 connecting flanges - 10 and 20, which are locked onto the shafts by the integrated DY014 locking ring, which transmits the torque by friction. The 30 coupling can accommodate bore diameters from 50 to 290 mm. All the parts of the DY014 locking unit are split and have self-locking taper. No fretting corrosion will occur on the locked contact surface.

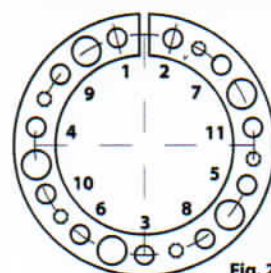
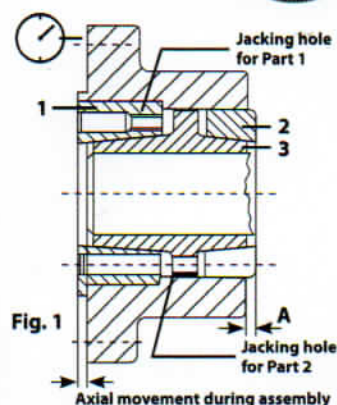


Fig. 2