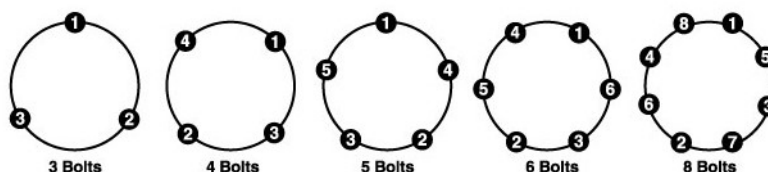




## Flange Jointing

Flange joints are a long established, non-proprietary means of connecting pipes and fittings, usually in above-ground situations. This method is well known and needs very little elaboration other than to advise the sequence for tightening the bolts and the recommended torque settings.

When using a Rilsan/Sheraplex protected type joint set, you will no longer need to protect the joint set by using denso tape or similar.



NP16 bolt sizes

Dia	No of bolts	Ductile/Ductile	Ductile/Steel	Steel/Steel	Ductile/PE		Spanner size
		size & length	size & length	size & length	size & length	size & length	
					SDR17.6	SDR11	
50mm	4	M16 x 65	M16 x 70	M16 x 70	M16 x 90		24
80mm	8	M16 x 65	M16 x 70	M16 x 70	M16 x 90		24
100mm	8	M16 x 65	M16 x 70	M16 x 70	M16 x 90		24
150mm	8	M20 x 70	M20 x 80	M20 x 80	M20 x 90		30
200mm	12	M20 x 70	M20 x 80	M20 x 80	M20 x 90		30
250mm	12	M24 x 85	M24 x 110	M24 x 110	M24 x 110		36
300mm	12	M24 x 85	M24 x 110	M24 x 110	M24 x 110	M24 x 120	36
350mm	16	M24 x 85	M24 x 110	M24 x 110	M24 x 110	M24 x 120	36
400mm	16	M27 x 100	M27 x 110	M27 x 120	M27 x 130	M27 x 150	41
450mm	20	M27 x 100	M27 x 110	M27 x 120	M27 x 150	M27 x 160	41
500mm	20	M30 x 110	M30 x 120	M30 x 140	M30 x 160	M30 x 180	46
600mm	20	M33 x 120	M33 x 140	M33 x 150	M33 x 180	M33 x 190	50
700mm	24	M33 x 130	M33 x 150	M33 x 170	M33 x 200		50
800mm	24	M36 x 140	M36 x 170	M36 x 190	M36 x 210		55
900mm	28	M36 x 140	M36 x 170	M36 x 200	M36 x 230		55
1000mm	28	M39 x 160	M39 x 190	M39 x 230	M39 x 280		60
1100mm	32	M39 x 160	M39 x 190	M39 x 230			60
1200mm	32	M45 x 180	M45 x 200	M45 x 250			70
1400mm	36	M45 x 180	M45 x 215	M45 x 260			70
1600mm	40	M52 x 200					80

Ductile to Ductile NP10			Spanner size (mm)	Ductile to Ductile NP25			Spanner size (mm)
50mm	4	M16 x 65	24	50mm	4	M16 x 65	24
80mm	8	M16 x 65	24	80mm	8	M16 x 65	24
100mm	8	M16 x 65	24	100mm	8	M16 x 70	24
150mm	8	M20 x 70	30	150mm	8	M24 x 85	36
200mm	12	M20 x 70	30	200mm	12	M24 x 85	36
250mm	12	M20 x 80	30	250mm	12	M27 x 100	41
300mm	16	M20 x 80	30	300mm	16	M27 x 100	41
350mm	16	M20 x 80	30	350mm	16	M30 x 110	46
400mm	16	M24 x 85	36	400mm	16	M33 x 120	46
450mm	20	M24 x 85	36	450mm	20	M33 x 120	50
500mm	20	M24 x 85	36	500mm	20	M33 x 120	50
600mm	20	M27 x 100	41	600mm	20	M36 x 140	55
700mm	24	M27 x 100	41	700mm	24	M39 x 150	60
800mm	24	M30 x 110	46	800mm	24	M45 x 180	70
900mm	28	M30 x 120	46	900mm	28	M45 x 180	70
1000mm	28	M33 x 130	50	1000mm	28	M52 x 200	80
1100mm	32	M33 x 130	50	1100mm	32	M52 x 200	80
1200mm	32	M36 x 140	55	1200mm	32	M52 x 200	80
1400mm	36	M39 x 150	60	1400mm	36	M56 x 220	85
1600mm	40	M45 x 160	70	1600mm	40	M56 x 240	85