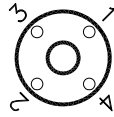
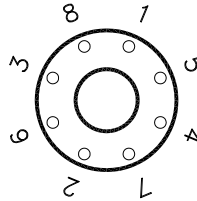


DO NOT DUPLICATE

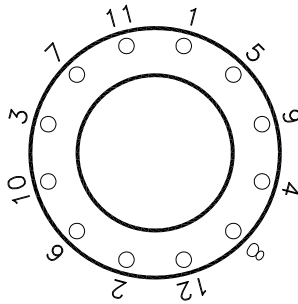
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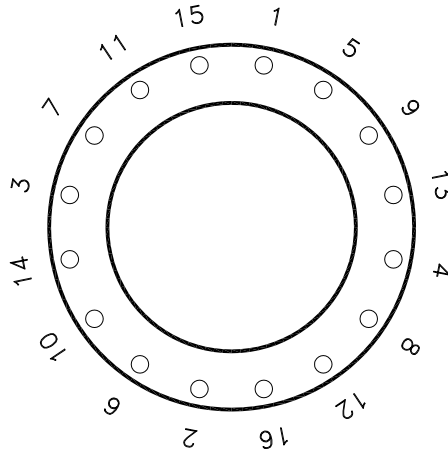
TYP. FOR 1" - 3"



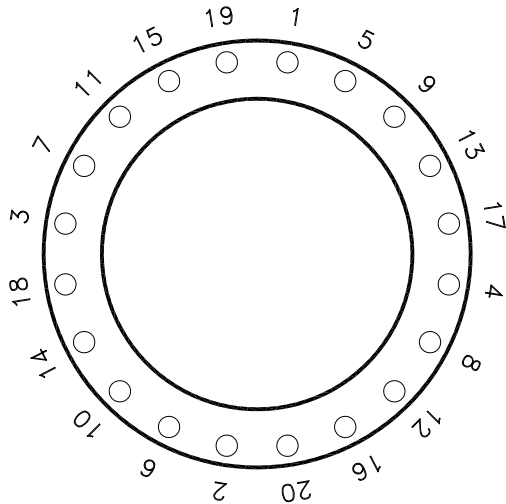
TYP. FOR 4" - 8"



TYP. FOR 10" - 14"



TYP. FOR 16" - 18"



TYP. FOR 20" - 24"

Size	Bolt Torque (ft-lbs)			
	Design Pressure (psig)			
	150	200	232	290
1"ø	35/32	37/32	37/32	39/33
1.5"ø	37/33	39/33	40/33	43/33
2"ø	74/65	78/65	79/65	84/66
3"ø	79/66	84/67	86/67	94/68
4"ø	44/34	48/34	50/35	56/35
6"ø	79/61	98/62	90/63	100/65
8"ø	88/64	98/66	103/67	117/70
10"ø	98/69	110/72	115/73	132/77
12"ø	113/73	129/76	137/78	160/84
14"ø	157/109	178/115	189/118	
16"ø	133/86	153/91	162/94	
18"ø	175/121	200/129	211/132	
20"ø	175/123	200/131	210/135	
24"ø	224/147	255/151	270/165	

NOTE:

1. Typical sizes are based on ANSI B16.5 150# and B16.1 125# drilling.
2. Hydrotest pressure is 1.5 times the design pressure.
3. It is not uncommon for actual torque values to exceed these numbers by up to 50%. If torque values higher than this are required, the connection should be unbolted and resealed with a new gasket.
4. The first value is for full-face gaskets. The second (and lower) value is for o-ring gaskets and raised-face connections.
5. 1ft-lb = 1.356N-m.
6. Values based on a "K" torque coefficient of 0.2.

FIBERBOND®

FIBERGLASS AND ADVANCED COMPOSITE PIPING SYSTEMS

Manufactured by Specialty Plastics
Baton Rouge, LA, U.S.A.

SCALE:	NONE	DRAWING:	Torque Sequences #1
DRAWN:	KGS	FILENAME:	IS-E10-TRQ1
CH'KD:	KGS	REV:	R3 - Dec-08-2006