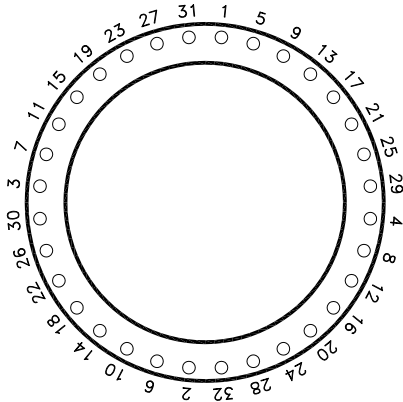
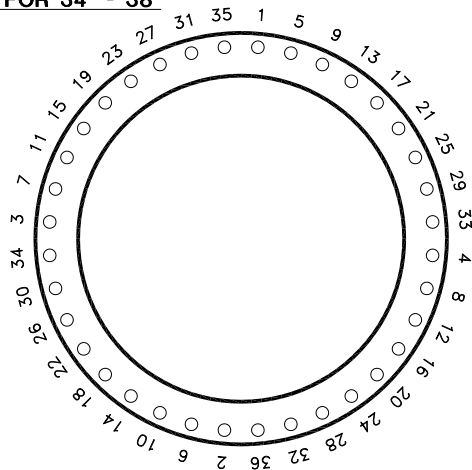


TYP. FOR 28" - 32"



TYP. FOR 34" - 38"



TYP. FOR 40" AND 42"

Bolt Size	Hvy Hex Socket Size
1 1/4"	2"
1 1/4"	2"
1 1/4"	2"
1 1/2"	2 3/8"
1 1/2"	2 3/8"
1 1/2"	2 3/8"
1 1/2"	2 3/8"
1 1/2"	2 3/8"
1 1/2"	2 3/8"
1 1/2"	2 3/8"
1 1/2"	2 3/8"
1 3/4"	2 3/4"

Example of reading these tables:

For a 36" flange connection with a flat rubber gasket hydrotested to 150psig, it is recommended to apply 232 to 348 ft-lbs of torque.

Bolt Torque (ft-lbs) - FLAT RUBBER GASKETS				
Size	Hydrotest Pressure (psig)			
	75	150	225	
26"ø	130-195	166-249	200-300	
28"ø	116-174	152-228	183-275	
30"ø	119-179	157-236	190-285	
32"ø	191-287	245-368	288-432	
34"ø	172-258	222-333	264-396	
36"ø	178-267	232-348	279-419	
38"ø				
40"ø				
42"ø	176-264	234-351		
48"ø	159-239	217-326		
54"ø				

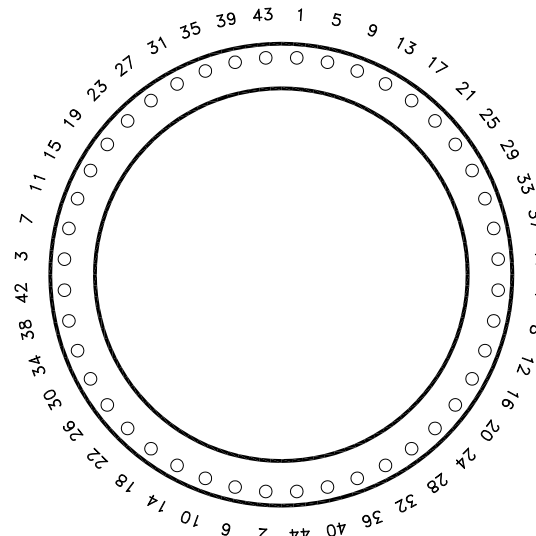
Bolt Torque (ft-lbs) - O-RING GASKETS				
Size	Hydrotest Pressure (psig)			
	75	150	225	
26"ø	103-155	115-173	127-191	
28"ø	90-135	102-153	114-171	
30"ø	92-138	105-158	119-179	
32"ø	154-231	173-260	191-287	
34"ø	137-206	155-233	173-260	
36"ø	139-209	159-239	179-269	
38"ø				
40"ø				
42"ø	130-195	154-231		
48"ø	112-168	138-207		
54"ø				

26"ø with 24 bolt holes is not shown.

44"ø and 46"ø with 40 bolt holes are not shown.

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. If torque values higher than these published values are required, it is recommended that the connection should be unbolted and resealed with a new gasket.
4. When bolting to raised-face (RF) flanges, do not exceed the torque for o-ring gaskets.
5. 1ft-lb = 1.356N-m.
6. Values based on a "K" torque coefficient of 0.2.
7. For Garlock's Stress Saver gasket, it is recommended to use the values for the o-ring gaskets.



TYP. FOR 48" - 54"

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