



## 1" - 64" FLANGED FITTING ACCESSORY PACK

### Submittal Information

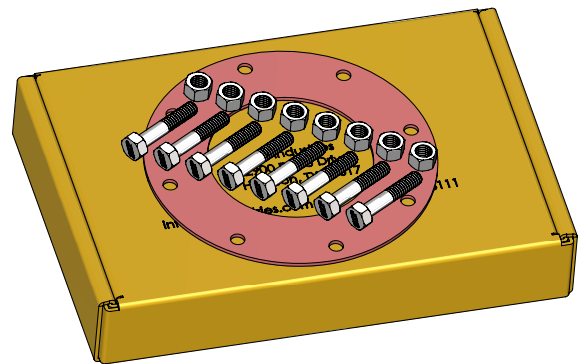
Project Name / Location:	
Engineer:	
Referenced Specs:	
Distributor / Contractor:	

### Optional Specifications

Bolts / Nuts:	o Carbon Steel: Type A307
	Stainless Steel: Type 304 Type 316
	Other - Specify:
Gaskets:	Standard SBR (Buna-S) In Accordance With ANSI/AWWA C111/A21.11
	Other - Specify:

### General Specifications

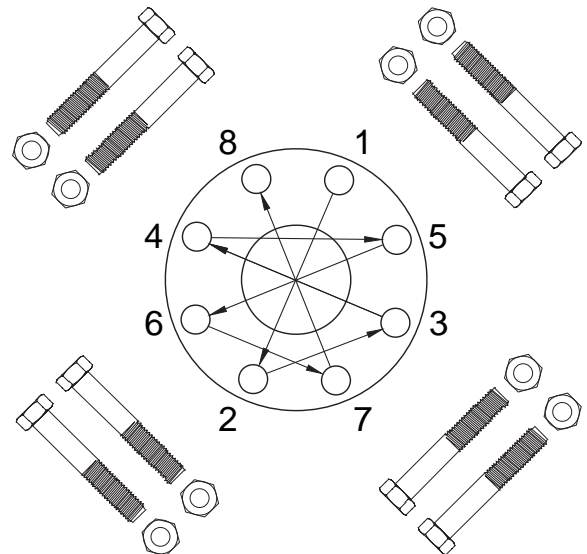
- Material** : Bolt material is ASTM A307 Grade B, Zinc Plated (Stainless Steel available per request)  
Nut material is ASTM A563 Grade A or B (Stainless Steel available per request)  
Gasket material is as per ASTM D 1330 Grade II or ASTM D-2000 AA material.
- Standard** : ANSI/ASME B 18.2.1, ANSI/ASME B 18.2.2  
Hex Nuts are double chamfered per ANSI/ASME B18.2.2  
Gaskets are 1/8" full face and manufactured in accordance with ANSI/AWWA C111/A21.11-00
- Properties** : All bolts comply with the following properties:
- Brinell Hardness : 121 to 241
  - Tensile Strength : 60 KSI min
- All Gaskets complies with the following properties:
- Shore hardness : 121 to 241
  - Tensile Strength : 60 KSI min
  - Elongation : 150% min
  - Color : Red



### Technical Information

Select Size	Flange Size	Bolt			Bolt Torque (Lb-Ft)
		Qty.	Size	Weight	
	*1	4	½ x 1 ¾	1	30
	*1 ½	4	½ x 2	1.1	30
	*2	4	⅝ x 2 ¼	1.6	50
	*2 ½	4	⅝ x 2 ½	1.9	50
	3	4	⅝ x 2 ½	2.5	50
	4	8	⅝ x 3	3.3	90
	*5	8	¾ x 3	5.2	90
	6	8	¾ x 3 ½	6	90
	8	8	¾ x 3 ½	7	100
	10	12	⅞ x 4	14	125
	12	12	⅞ x 4	16	150
	14	12	1 x 4 ½	20	150
	16	16	1 x 4 ½	27	150
	18	16	1 ⅛ x 5	38	200
	20	20	1 ⅛ x 5	46	200
	24	20	1 ¼ x 5 ½	64	300
	30	28	1 ¼ x 6 ½	98	350
	36	32	1 ½ x 7	173	500
	42	36	1 ½ x 7 ½	216	500
	48	44	1 ½ x 8	265	535
	*54	44	1 ¾ x 8 ½	393	500
	*60	52	1 ¾ x 9	504	500
	*64	52	1 ¾ x 9	507	500

Example of Star Pattern Tightening Sequence for 8 Bolt Flange



All dimensions are in inches unless noted otherwise.  
All weights are approximate in pounds unless noted otherwise.  
\* Flange Not Included In AWWA C110

Supporting documentation for the above 'General Specifications' and 'Optional Specifications' are available upon request to review, in addition to Installation Instructions and any requested material samples

Please contact SIP for technical assistance of nonstandard applications

Please refer to our web page [www.sipindustries.com](http://www.sipindustries.com) for up to date product data and technical advisories