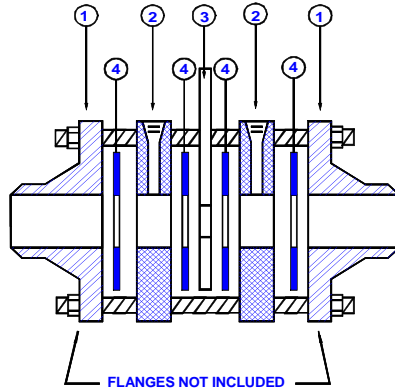


# Imperial Flange & Fitting Inc.

## 300# ORIFICE HOLDING BLOCK UNIONS



- (1) PIPE FLANGES (NOT INCLUDED)
- (2) ORIFICE HOLDING BLOCKS
- (3) ORIFICE PLATE
- (4) NON-ASBESTOS GASKETS

- STEP 1: SEPERATE FLANGES TO ALLOW FOR THE BLOCKS, PLATE AND GASKETS
- STEP 2: INSTALL THE BOTTOM HALF OF THE STUDS THROUGH THE FLANGES AND HOLDING BLOCKS.
- STEP 3: INSTALL THE GASKETS AND ORIFICE PLATE ON TOP OF THE STUDS AS SHOWN.
- STEP 4: INSTALL THE REMAINING STUDS AND TIGHTEN ALL THE STUDS.

PIPE SIZE	BORE	OUTER DIAMETER	ORIFICE HOLDING BLOCK THICKNESS	CENTER OF TAP	PRESSURE TAP HOLE SIZE	PRESSURE TAP SIZE (FNPT)	DIAMETER OF BOLT CIRCLE	DIAMETER OF HOLES	NUMBER OF HOLES	SIZE OF STUDS
1/2	.622	3.750	1.875	.937	.25	1/2"	2.62	.562	4	1/2 X 8-3/4
3/4	.824	4.625	1.875	.937	.25	1/2"	3.25	.687	4	5/8 X 9-1/4
1	1.049	4.875	1.875	.937	.25	1/2"	3.50	.687	4	5/8 X 9-1/4
1-1/2	1.610	6.125	1.875	.937	.25	1/2"	4.50	.812	4	3/4 X 9-1/4
2	2.067	6.500	1.875	.937	.375	1/2"	5.00	.687	8	5/8 X 9-1/4
2-1/2	2.469	7.500	1.875	.937	.375	1/2"	5.87	.812	8	3/4 X 9-1/4
3	3.068	8.250	1.875	.937	.375	1/2"	6.62	.812	8	3/4 X 9-1/4
4	4.026	10.00	1.875	.937	.500	1/2"	7.87	.812	8	3/4 X 9-1/4
6	6.065	12.50	1.875	.937	.500	1/2"	10.62	.875	12	3/4 X 9-1/4
8	7.981	15.00	1.875	.937	.500	1/2"	13.00	1.00	12	7/8 X 9-3/4
10	10.020	17.50	1.875	.937	.500	1/2"	15.25	1.125	16	1 X 10-1/2
12	12.000	20.50	1.875	.937	.500	1/2"	17.75	1.250	16	1-1/8 X 11
14	13.250	23.00	1.875	.937	.500	1/2"	20.25	1.250	20	1-1/8 X 11-1/2
16	15.250	25.50	1.875	.937	.500	1/2"	22.50	1.375	20	1-1/4 X 12
18	17.250	28.00	1.875	.937	.500	1/2"	24.75	1.375	24	1-1/4 X 12-1/4
20	19.250	30.50	1.875	.937	.500	1/2"	27.00	1.375	24	1-1/4 X 12-1/2
24	23.250	36.00	1.875	.937	.500	1/2"	32.00	1.625	24	1-1/2 X 13-1/2

**MATERIALS:** A105 & A516-70

*Other materials and schedules available*

**HARDWARE:**

- Stud Bolts:** A193 Gr. B7 Steel
- Hex Nuts:** A194 Gr. 2H Steel
- Jackscrew:** C1018 Hardened Square Head Screws
- Pipe Plugs:** Hex Head, Forged Steel
- Ring Gaskets:** C4430 Non-Asbestos

**Manufactured to meet**

**A.G.A Report #3-2**

**A.P.I 14.3**

**ASME SPECIFICATIONS**

*Orifice Plates sold separate*