



FLANGE LUG DETAIL

DIMENSIONS (IN INCHES)

PIPE DIA	N	O	HS ROD			MS ROD			R	S	U	V	PIPE DIA
			P	Q	ROD DIA	P	Q	ROD DIA					
4	1 7/16	2	1	7/8	3/4	1	7/8	3/4	7/8	3/4	2 7/8	3/4	4
6	1 13/16	2 1/4	1	7/8	3/4	1	7/8	3/4	7/8	7/8	3 3/4	3/4	6
8	2 1/4	2 3/4	1	7/8	3/4	1	7/8	3/4	1	7/8	4 7/8	3/4	8
12	2 3/16	2 3/4	1 1/8	7/8	3/4	1 1/4	1 1/8	1	1 1/8	1	7 1/4	7/8	12
16	2 1/16	2 3/4	1 1/8	1 1/8	1	1 1/2	1 3/8	1 1/4	1 1/4	1 1/8	9 3/8	1 1/8	16
20	1 31/32	2 3/4	1 1/4	1 3/8	1 1/4	-	-	-	1 7/16	1 1/4	11 1/16	1 1/4	20

NOTES:

1. MS MEANS MILD STEEL ROD ASTM STANDARD DESIGNATION A-36 (NUTS SHALL BE ASTM STANDARD DESIGNATION A-307 GRADE A OR B HEXAGON HEAVY SERIES).
2. HS MEANS HIGH STRENGTH STEEL ROD ASTM STANDARD DESIGNATION A-193 GRADE B7 (NUTS SHALL BE ASTM STANDARD DESIGNATION A-104 GRADE 2H).
3. FLANGE LUGS SHALL NOT BE USED ON VALVES.

DRAWN BY: JSH
 CHECKED BY: RJH

APPROVED BY:
 DIRECTOR OF PUBLIC WORKS

CITY OF BOULDER, COLORADO FLANGE LUG DETAIL

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