



Riser and Base Dimensions

Diameter (inches)	Riser		Base (minimum)	
	Height (maximum) (feet)	Overall Length, W (inches)	Thickness (inches)	
			Steel	Aluminum
12	16	15	0.138	0.125
15	16	20	0.168	0.160
18	16	24	0.188	0.190
21	16	27	0.249	0.250
24	16	30	0.249	0.250
30	10	42	0.249	0.250
30	16	42	0.249	N/A
36	10	48	0.249	N/A

Notes:

1. Transfer dimensions and quantities to the drawing sheet.
2. Specify coating or joint sealing requirements on drawing if applicable.
3. Complete embankment cross section upstream of riser on the drawing sheet.
4. When drawdown pipe is required, use a minimum 30-inch diameter riser to facilitate installation of valve. Draft the drawdown to conform to American National Standards Institute (ANSI) B16.5, 150 pounds per square inch (psi) pipe details, valve, and the flange details on the drawing. Place the following notes in the construction details of the specifications:
 - The diameter and drilling of the valve and flange shall conform to ANSI B16.5, 150 psi.
 - Fasten the valve to the flange with galvanized or cadmium-plated bolts.
 - A full-faced rubber gasket shall be used between the valve and flange.