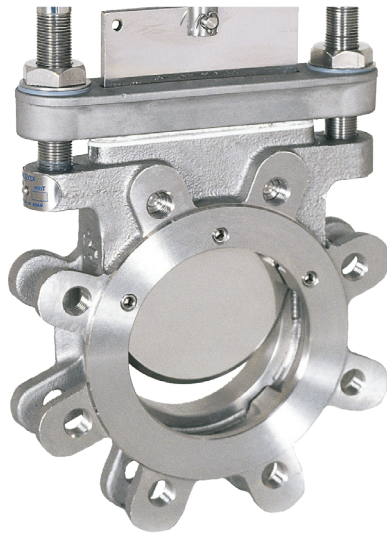


CLARKSON KNIFE GATE VALVES

FIGURE 952

ASME 150 bolting details for F952 lugged style knife gate valves



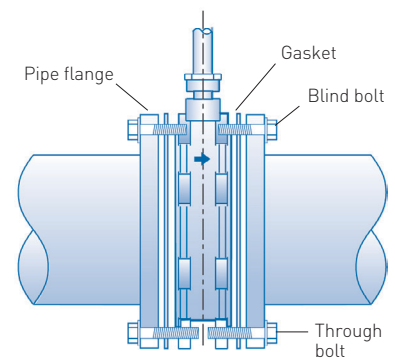
NOTES

Bolt lengths are based on the following:

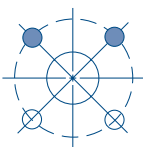
- Minimum flange thickness is per ASME B16.5. Dimensions of class 150 flanges.
- Gasket thickness based on 1.5 mm (1/16").
- Adequate allowance has been made for flat washers.
- If a deflection cone is fitted, add its thickness to the required bolt length as no allowance has been made for it.
- It is important that correct bolt sizes be used especially in the indicated blind holes as bottoming could cause damage to the chest area.
- The above information has been derived from ASME B16.5. pipe flanges and flanged fittings. It is intended as a guide only to aid in the selection of suitable bolt lengths and studs for ASME 150 mating flanges. Whilst every care has been taken in the compilation of these tables no guarantee is given, nor liability accepted for their accuracy.

F952 BOLTING DETAILS FOR ASME 150

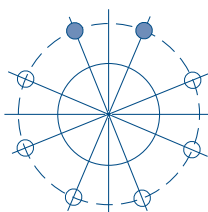
Valve size		Through bolts		Blind bolts	
DN	NPS	Qty	Dia x length	Qty	Dia x length
50	2	4	5/8" UNC x 1 1/4"	4	5/8" UNC x 1 1/8"
65	2 1/2	4	5/8" UNC x 1 1/4"	4	5/8" UNC x 1 1/8"
80	3	4	5/8" UNC x 1 1/2"	4	5/8" UNC x 1 1/2"
100	4	12	5/8" UNC x 1 1/2"	4	5/8" UNC x 1 1/2"
125	5	12	3/4" UNC x 1 3/4"	4	3/4" UNC x 1 5/8"
150	6	12	3/4" UNC x 1 3/4"	4	3/4" UNC x 1 5/8"
200	8	12	3/4" UNC x 2"	4	3/4" UNC x 2"
250	10	16	7/8" UNC x 2"	8	7/8" UNC x 2"
300	12	16	7/8" UNC x 2"	8	7/8" UNC x 2"
350	14	16	1" UNC x 2 1/2"	8	1" UNC x 2 1/4"
400	16	20	1" UNC x 2 1/2"	12	1" UNC x 2 1/4"
450	18	20	1 1/8" UNC x 2 3/4"	12	1 1/8" UNC x 2 1/2"
500	20	24	1 1/8" UNC x 2 3/4"	16	1 1/8" UNC x 2 1/2"
600	24	24	1 1/4" UNC x 3"	16	1 1/4" UNC x 2 3/4"



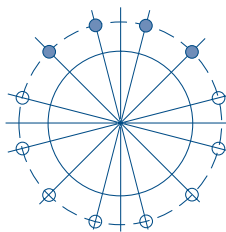
- Blind hole
- Through hole



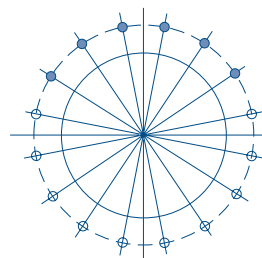
Valve size:
DN 50 - 80 (NPS 2 - 3)



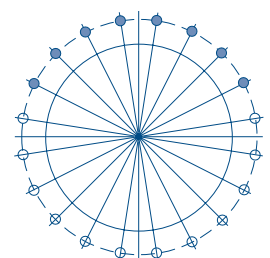
Valve size:
DN 100 - 200 (NPS 4 - 8)



Valve size:
DN 250 - 350 (NPS 10 - 14)



Valve size:
DN 400 - 450 (NPS 16 - 18)



Valve size:
DN 500 - 600 (NPS 20 - 24)

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