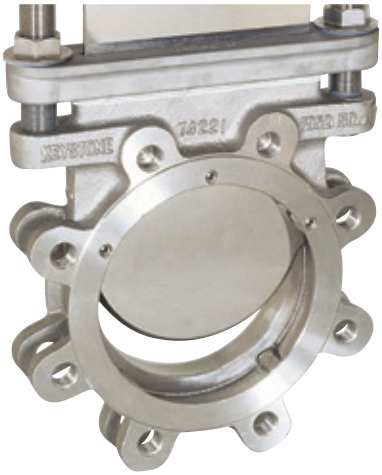
KEYSTONE KNIFE GATE VALVES

FIGURE 952

AS 2129 D bolting details for F952 lugged style knife gate valves



NOTES

All fasteners are I.S.O. metric coarse pitch series high tensile hexagon head bolts.

Bolt lengths are based on the following:

- Minimum flange thickness is per AS 2129 Table D carbon steel 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 it's 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 AS 2129 flange for pipes, valves and fittings. It is intended as a guide only to aid in the selection of suitable bolt lengths and studs for AS 2129 D mating flanges. Whilst every care has been taken in the compilation of these tables no guarantee is given, nor liability accepted for their accuracy.

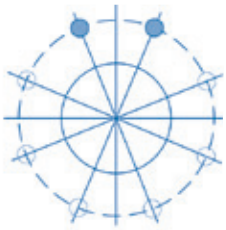
F952 BOLTING DETAILS FOR AS 2129 D

Valve size	Through bolts		Blind bolts	
DN (NPS)	Qty	Dia x pitch x length	Qty	Dia x pitch x length
50 (2)	4	M16 x 2.0 x 30	4	M16 x 2.0 x 25
65 (2½)	4	M16 x 2.0 x 30	4	M16 x 2.0 x 25
80 (3)	4	M16 x 2.0 x 30	4	M16 x 2.0 x 25
100 (4)	4	M16 x 2.0 x 30	4	M16 x 2.0 x 25
125 (5)	12	M16 x 2.0 x 35	4	M16 x 2.0 x 30
150 (6)	12	M16 x 2.0 x 40	4	M16 x 2.0 x 30
200 (8)	12	M16 x 2.0 x 40	4	M16 x 2.0 x 35
250 (10)	12	M20 x 2.5 x 45	4	M20 x 2.5 x 35
300 (12)	16	M20 x 2.5 x 50	8	M20 x 2.5 x 40
350 (14)	16	M24 x 3.0 x 55	8	M24 x 3.0 x 40
400 (16)	16	M24 x 3.0 x 55	8	M24 x 3.0 x 45
450 (18)	16	M24 x 3.0 x 60	8	M24 x 3.0 x 45
500 (20)	20	M24 x 3.0 x 65	12	M24 x 3.0 x 55
600 (24)	20	M27 x 3.0 x 70	12	M27 x 3.0 x 55

Blind hole

Through hole

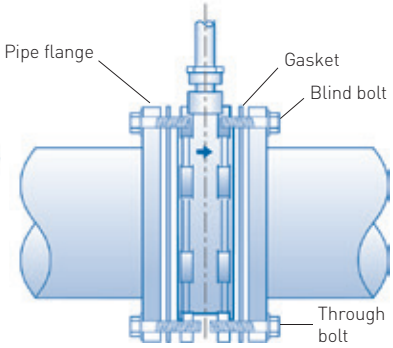
Valve size:
DN 50 - 100
(NPS 2 - 4)



Valve size:
DN 125 - 250
(NPS 5 - 10)

Valve size:
DN 300 - 450
(NPS 12 - 18)

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



© 2017 Emerson. All rights reserved.

Neither Emerson, Emerson Automation Solutions, nor any of their affiliated entities assumes responsibility for the selection, use or maintenance of any product. Responsibility for proper selection, use, and maintenance of any product remains solely with the purchaser and end user.

Keystone is a mark owned by one of the companies in the Emerson Automation Solutions business unit of Emerson Electric Co. Emerson Automation Solutions, Emerson and the Emerson logo are trademarks and service marks of Emerson Electric Co. All other marks are the property of their respective owners.

The contents of this publication are presented for informational purposes only, and while every effort has been made to ensure their accuracy, they are not to be construed as warranties or guarantees, express or implied, regarding the products or services described herein or their use or applicability. All sales are governed by our terms and conditions, which are available upon request. We reserve the right to modify or improve the designs or specifications of such products at any time without notice.

Emerson.com/FinalControl