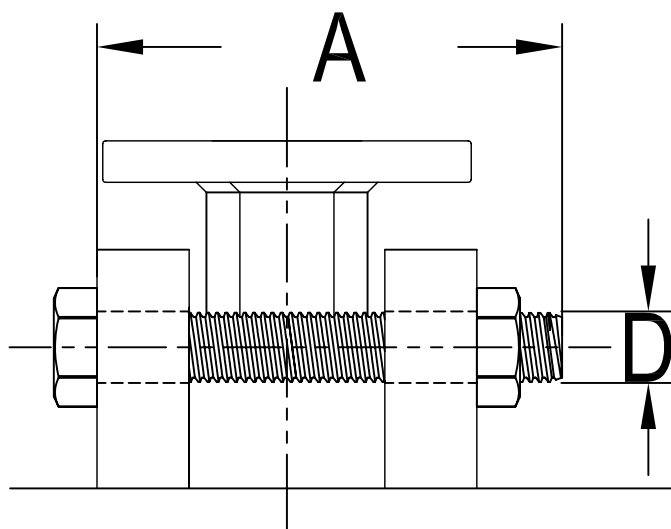
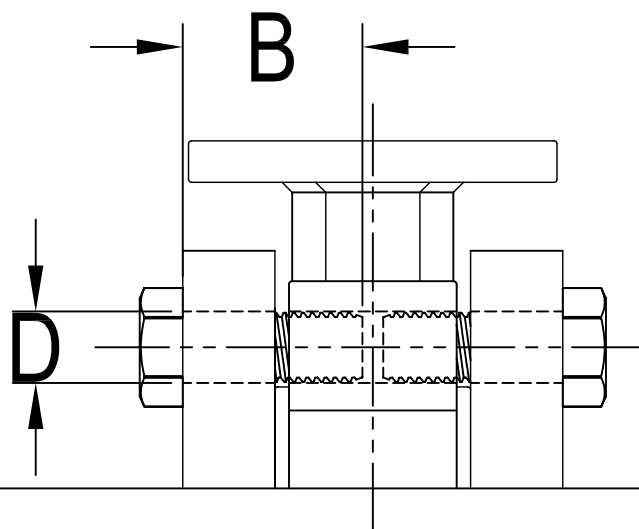


ATTENTION PLEASE CHECK THE ULTRAFLO WEBSITE AT www.ultraflovalve.com TO ENSURE YOU HAVE THE MOST RECENT COPY OF THIS DOCUMENT

FLANGE BOLTS AND SCREWS REQUIRED FOR ULTRAFLO VALVES BETWEEN 150# ANSI FLANGES



WAFER TYPE BUTTERFLY VALVE
USING CROSS BOLTING



FULL LUG TYPE BUTTERFLY VALVE
WITH TAPPED HOLES

HEAVY HEX BOLTS AND NUTS

VALVE SIZE	LENGTH A	DIAMETER D	NUMBER REQUIRED
2	4.000	.625	4
2.5	4.250	.625	4
3	4.500	.625	4
4	5.000	.625	8
5	5.000	.750	8
6	5.000	.750	8
8	6.000	.750	8
10	6.000	.875	12
12	6.500	.875	12
14	7.000	1.000	12
16	8.500	1.000	16
18	9.000	1.125	16
20	10.000	1.125	20
24	11.500	1.250	20

REGULAR HEX HEAD SCREWS WITH N-C THREADS

LENGTH B	DIAMETER D	NUMBER REQUIRED
1.250	.625	8
1.500	.625	8
1.750	.625	8
1.750	.625	16
1.750	.750	16
2.000	.750	16
2.250	.750	16
2.250	.875	24
2.500	.875	24
2.750	1.000	24
3.250	1.000	32
3.500	1.125	32
4.000	1.125	40
4.500	1.250	40

NOTES:

1. ALL DIMENSIONS IN INCHES
2. BOLTS SHOULD BE SQUARE OR HEAVY HEXAGON (ANSI B18.2.1).
3. NUTS SHOULD BE HEAVY SEMI-FINISHED HEXAGON (ANSI B18.2.2).
4. THREADS ON BOLTS AND ALL NUTS SHOULD BE IN THE UNIFIED COARSE THREAD SERIES (UNC), CLASS A AND B (ANSI B1.1).

ZONE	REV	DATE	BY	APP'D	DESCRIPTION

 Ultraflo Corporation A Subsidiary of Bray International, Inc.		#8 Trautman Ind. Dr. Ste. Genevieve, Mo. 63670 800-950-1762	
		BOLT AND SCREW SPECIFICATIONS	
DRAWN BY DSS	NAME DSS	DATE 08/10/07	BOLT AND SCREW SPECIFICATIONS
CHECKED CJH	DATE 08/10/07	PART: BOLT AND SCREW SPECIFICATIONS	
SCALE: NONE		DWG: Bolt-1	