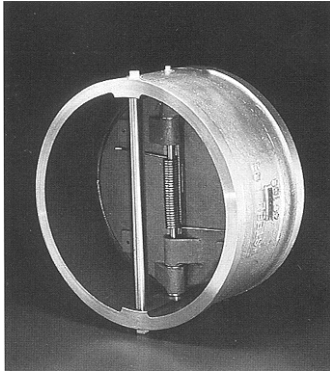


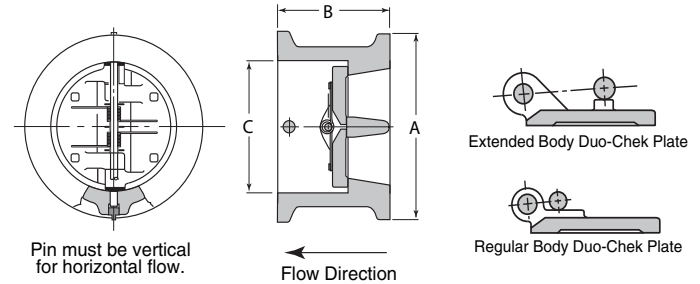
# Style X Extended Body Wafer Check Valves

The "Extended Body" version of the Duo-Chek II was designed for extremely fast opening conditions. These types of applications are generally associated with compressed gas or steam that causes damage from the explosive opening effect on the closure mechanism. This damage can render them inoperative. This is especially true with slow response valves such as swing and tilting disc check valves.



The Style X body design has special geometry and plate configuration to allow each plate to strike the stop pin in its center of percussion. To absorb high impacts, the stop pin and hinge lugs are oversized.

Typical applications include centrifugal compressor discharge where compressors are subject to "surging," air separation plants, pipelines where compressors are mounted in parallel, and steam extraction. Style X Duo-Chek valves are generally not required for liquid applications.



## Installation Dimensions - Pressure Classes 150-2500

### ASME Class 150

Size		A		B		C		Weight	
in	mm	in	mm	in	mm	in	mm	lbs.	kg.
6"	150	8 3/4	222	4 1/16	122	6 5/8	168	46	21
8"	200	11	279	6 1/4	159	8 5/8	219	91	41
10"	250	13 3/8	340	7 1/4	184	10 3/4	273	166	75
12"	300	16 1/8	410	9	229	12 3/4	324	244	111
14"	350	17 3/4	451	8 3/8	213	14	356	260	118
16"	400	20 1/4	514	9 1/2	241	16	406	345	157
18"	450	21 3/8	549	10 3/8	264	18	457	427	194
20"	500	23 7/8	606	11 3/4	298	20	508	548	249
24"	600	28 1/4	718	13 3/4	349	24	610	874	396
26"	650	30 1/2	775	18	457	26	660	1741	790
30"	750	34 3/4	883	18	457	30	762	1544	700
32"	800	37	940	20 7/8	530	32	813	1638	743
36"	900	41 1/4	1048	21 7/8	556	36	914	2750	1247
42"	1050	48	1219	25 3/4	654	42	1067	3862	1752
48"	1200	54 1/2	1384	30 7/8	784	48	1219	6000	2722
54"	1350	61	1550	32 3/4	832	54	1372	7462	3385

### ASME Class 300

Size		A		B		C		Weight	
in	mm	in	mm	in	mm	in	mm	lbs.	kg.
6"	150	9 7/8	251	4 1/16	122	6 5/8	168	61	28
8"	200	12 1/8	308	6 1/4	159	8 5/8	219	107	48
10"	250	14 1/4	362	7 1/4	184	10 3/4	273	166	75
12"	300	16 5/8	422	9	229	12 3/4	324	244	111
14"	350	19 1/8	486	10 1/4	260	14	356	407	185
16"	400	21 1/4	540	11 1/8	283	16	406	533	242
18"	450	23 1/2	597	12 1/2	318	18	457	698	317
20"	500	25 3/4	654	13 3/4	349	20	508	900	408
24"	600	30 1/2	775	16	406	24	610	1446	656
28"	700	35 7/8	911	20 1/4	514	28	711	1992	904
30"	750	37 1/2	953	20 5/8	524	30	762	2457	1115
36"	900	44	1118	25	635	36	914	3947	1790
42"	1050	50 3/4	1289	31 7/8	810	42	1067	6523	2959
48"	1200	58 3/4	1492	35	889	48	1219	7483	3394

### ASME Class 600

Size		A		B		C		Weight	
in	mm	in	mm	in	mm	in	mm	lbs.	kg.
8"	200	12 5/8	321	7 1/2	191	8 5/8	219	178	81
10"	250	15 3/4	400	9 7/8	251	10 3/4	273	285	130
12"	300	18	457	11 5/8	295	12 3/4	324	366	166
14"	350	19 3/8	492	12 3/4	324	14	356	485	220
16"	400	22 1/4	565	14 1/2	368	16	406	705	320
18"	450	24 1/8	613	16 3/4	425	18	457	1057	480
20"	500	26 7/8	683	17 1/2	445	20	508	1531	695
24"	600	31 1/8	791	21 1/4	540	24	610	2240	1016
28"	700	36	914	23	584	28	711	3277	1486
30"	750	38 1/4	972	26 3/4	680	30	762	3746	1699
36"	900	44 1/2	1130	31	787	36	914	7000	3175
48"	1200	54 3/4	1391	40 1/8	1019	48	1219	9972	4523

### ASME Class 900

Size		A		B		C		Weight	
in	mm	in	mm	in	mm	in	mm	lbs.	kg.
6"	150	11 3/8	289	6 7/8	175	6 3/4	171	149	68
10"	250	17 1/8	435	10 1/4	260	10 3/4	273	462	210
12"	300	19 5/8	498	12 13/16	325	12 3/4	324	605	274
14"	350	20 1/2	521	14 5/8	371	14	356	1030	467
16"	400	22 5/8	575	15 1/2	394	16	406	1553	705
20"	500	27 1/2	699	19 1/2	495	20	508	1583	718
24"	600	33	838	22 1/4	565	24	610	3029	1374
30"	750	39 3/4	1010	28 7/8	734	30	762	6310	2862

### ASME Class 1500

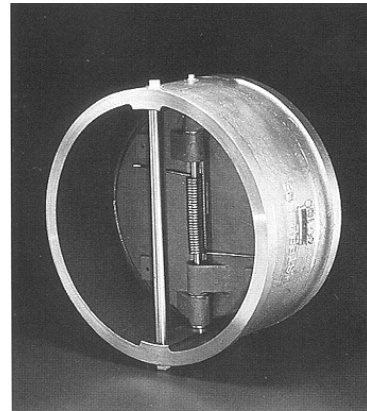
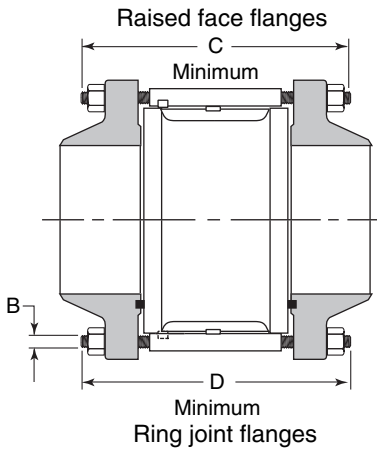
Size		A		B		C		Weight	
in	mm	in	mm	in	mm	in	mm	lbs.	kg.
10"	250	17 1/8	435	11 1/2	292	10 3/4	273	476	216
12"	300	20 1/2	521	13 7/8	353	12 3/4	324	805	365
14"	350	22 3/4	578	14 5/8	371	14	356	1080	490
16"	400	25 1/4	641	16 1/2	419	16	406	1530	694
18"	450	27 3/4	705	20 1/4	514	18	457	2109	957
20"	500	29 3/4	756	21 7/8	556	20	508	2376	1077
24"	600	35 1/2	902	24 7/8	632	24	610	4329	1964

### ASME Class 2500

Size		A		B		C		Weight	
in	mm	in	mm	in	mm	in	mm	lbs.	kg.
10"	250	18 3/4	476	11 1/2	292	10 3/4	273	577	262
12"	300	21 5/8	549	13 7/8	352	12 3/4	324	598	271

Consult factory for additional sizes and pressure classes.

# Style X Stud Selection – Pressure Classes 150–2500



### ASME Stud Selection Class 150

Valve Size		No. of Studs	B		C		D	
in	mm		Bolt Diameter		Raised Face		Ring Joint	
			in	mm	in	mm	in	mm
6"	150	8	3/4	19	9	229	9 1/2	241
8"	200	8	3/4	19	10 3/4	273	11 1/4	286
10"	250	12	7/8	22	12	305	12 1/2	318
12"	300	12	7/8	22	14	356	14 1/2	368
14"	350	12	1	25	14	356	14 1/2	368
16"	400	16	3/4	19	14 3/4	375	15 1/4	387
18"	450	16	1 1/8	29	16 3/4	425	17 1/4	438
20"	500	20	1 1/8	29	18 1/4	464	18 3/4	476
24"	600	20	1 1/4	29	20 3/4	527	21 1/4	540
26"	650	24	1 1/4	32	26 3/4	679	27 1/4	692
30"	750	28	1 1/4	32	27 1/4	692	27 3/4	705
32"	800	28	1 1/2	38	32	1690	32 3/4	832
36"	900	32	1 1/2	38	32 1/4	819	32 3/4	832
42"	1050	36	1 1/2	38	37 1/4	946	-	-
48"	1200	44	1 1/2	38	43 1/4	1099	-	-
54"	1350	44	1 3/4	44	43 1/2	1105	-	-

### ASME Stud Selection Class 600

Valve Size		No. of Studs	B		C		D	
in	mm		Bolt Diameter		Raised Face		Ring Joint	
			in	mm	in	mm	in	mm
8"	200	12	1 1/8	29	15 1/4	387	15 1/4	387
10"	250	16	1 1/4	32	18 1/4	464	18 3/4	476
12"	300	20	1 1/4	32	20 1/2	521	20 3/4	527
14"	350	20	1 3/8	35	22	559	22	559
16"	400	20	1 1/8	29	24 1/2	622	24 1/2	622
18"	450	20	1 3/8	41	30	762	30 1/4	768
20"	500	24	1 5/8	41	29	737	29 1/2	743
24"	600	24	1 7/8	48	34 1/4	870	34 3/4	883
28"	700	28	2	51	36 1/2	927	37	940
30"	750	28	2	51	42	1067	42 1/2	1080
36"	900	28	2 1/2	64	47	1194	-	-
48"	1050	32	2 3/4	70	62	1574	-	-

### ASME Stud Selection Class 300

Valve Size		No. of Studs	B		C		D	
in	mm		Bolt Diameter		Raised Face		Ring Joint	
			in	mm	in	mm	in	mm
6"	150	12	3/4	19	10	254	10 3/4	273
8"	200	12	7/8	22	11 3/4	298	12 1/2	318
10"	250	16	1	25	13 3/4	349	14 1/2	368
12"	300	16	1 1/8	29	16	406	16 3/4	425
14"	350	20	1 1/8	29	17 1/2	445	18 1/4	464
16"	400	20	7/8	22	18 1/2	470	19	483
18"	450	24	1 1/4	32	20 3/4	527	21 1/2	546
20"	500	24	1 1/4	32	22	641	22 3/4	578
24"	600	24	1 1/2	29	15 1/4	648	26 1/4	667
28"	700	28	1 5/8	41	31	787	31 1/2	800
30"	750	28	1 3/4	44	32 1/4	819	33 1/2	851
36"	900	32	2	51	38 1/2	978	-	-
42"	1050	32	2	51	47 1/2	1206	-	-
48"	1200	40	2	51	50 1/4	1276	-	-

### ASME Stud Selection Class 900

Valve Size		No. of Studs	B		C		D	
in	mm		Bolt Diameter		Raised Face		Ring Joint	
			in	mm	in	mm	in	mm
6"	150	12	1 1/8	29	14 3/4	375	15	381
10"	250	16	1 3/8	35	19 1/2	495	19 3/4	502
12"	300	20	1 3/8	35	23	584	23 1/4	591
14"	350	20	1 1/2	38	25 3/4	654	26 1/4	667
16"	400	20	1 1/4	32	26 3/4	679	27	686
20"	500	20	2	51	33 1/4	844	34	864
24"	600	20	2 1/2	64	39 3/4	1010	40 3/4	1035
30"	750	20	3	76	48	1219	48 1/2	1232

### ASME Stud Selection Class 1500

Valve Size		No. of Studs	B		C		D	
in	mm		Bolt Diameter		Raised Face		Ring Joint	
			in	mm	in	mm	in	mm
10"	250	12	1 7/8	48	25	635	25 1/4	641
12"	300	16	2	51	29	737	29 1/2	749
14"	350	16	2 1/4	57	31 1/4	794	32 1/4	819
16"	400	16	1 1/2	38	34	864	35	889
18"	450	16	2 3/4	70	39 3/4	1010	41	1041
20"	500	16	3	76	43	1092	44	1118
24"	600	16	3 1/2	89	49	1245	49 1/4	1251

### ASME Stud Selection Class 2500

Valve Size		No. of Studs	B		C		D	
in	mm		Bolt Diameter		Raised Face		Ring Joint	
			in	mm	in	mm	in	mm
10"	250	12	2 1/2	64	31	787	31 3/4	806
12"	300	12	2 3/4	70	35 1/2	902	36 1/2	927