



COMPACT Tool Compatability Chart
ANSI B16.5 & ANSI B16.47

150 Class				
Pipe Diameter	Flange Class	Bolt Dia D	# Bolts	Compact-8 Tool
5	150	3/4	8	C8-0
6	150	3/4	8	C8-0
8	150	3/4	8	C8-0
10	150	7/8	12	C8-0
12	150	7/8	12	C8-0
14	150	1	12	C8-1
16	150	1	16	C8-1
18	150	1 1/8	16	C8-1
20	150	1 1/8	20	C8-1
22	150	1 1/4	20	C8-2
24	150	1 1/4	20	C8-2
26	150	1 1/4	24	C8-2
28	150	1 1/4	28	C8-2
30	150	1 1/4	28	C8-2
32	150	1 1/2	28	C8-3
34	150	1 1/2	32	C8-3
36	150	1 1/2	32	C8-3
38	150	1 1/2	32	C8-3
40	150	1 1/2	36	C8-3
42	150	1 1/2	36	C8-3
44	150	1 1/2	40	C8-3
46	150	1 1/2	40	C8-3
48	150	1 1/2	44	C8-3
50	150	1 3/4	44	C8-4
52	150	1 3/4	44	C8-4
54	150	1 3/4	44	C8-4
56	150	1 3/4	48	C8-4
58	150	1 3/4	48	C8-4
60	150	1 3/4	52	C8-4

300 Class				
Pipe Diameter	Flange Class	Bolt Dia D	# Bolts	Compact-8 Tool
1.5	300	3/4	4	C8-0
2.5	300	3/4	8	C8-0
3	300	3/4	8	C8-0
3.5	300	3/4	8	C8-0
4	300	3/4	8	C8-0
5	300	3/4	8	C8-0
6	300	3/4	12	C8-0
8	300	7/8	12	C8-0
10	300	1	16	C8-1
12	300	1 1/8	16	C8-1
14	300	1 1/8	20	C8-1
16	300	1 1/4	20	C8-2
18	300	1 1/4	24	C8-2
20	300	1 1/4	24	C8-2
22	300	1 1/2	24	C8-3
24	300	1 1/2	24	C8-3
26	300	1 5/8	28	C8-3
28	300	1 5/8	28	C8-3
30	300	1 3/4	28	C8-4
32	300	1 7/8	28	C8-4
34	300	1 7/8	28	C8-4
36	300	2	32	C8-4
38	300	1 1/2	32	C8-3
40	300	1 5/8	32	C8-3
42	300	1 5/8	32	C8-3
44	300	1 3/4	32	C8-4
46	300	1 7/8	28	C8-4
48	300	1 7/8	32	C8-4
50	300	2	32	C8-4
52	300	2	32	C8-4
54	300	2 1/4	28	C8-5
56	300	2 1/4	28	C8-5
58	300	2 1/4	32	C8-5
60	300	2 1/4	32	C8-5

600 Class				
Pipe Diameter	Flange Class	Bolt Dia D	# Bolts	Compact-8 Tool
1.5	600	3/4	4	C8-0
2.5	600	3/4	8	C8-0
3	600	3/4	8	C8-0
3.5	600	7/8	8	C8-0
4	600	7/8	8	C8-0
5	600	1	8	C8-1
6	600	1	12	C8-1
8	600	1 1/8	12	C8-1
10	600	1 1/4	16	C8-2
12	600	1 1/4	20	C8-2
14	600	1 3/8	20	C8-2
16	600	1 1/2	20	C8-3
18	600	1 5/8	20	C8-3
20	600	1 5/8	24	C8-3
22	600	1 3/4	24	C8-4
24	600	1 7/8	24	C8-4
26	600	1 7/8	28	C8-4
28	600	2	28	C8-4
30	600	2	28	C8-4
32	600	2 1/4	28	C8-5
34	600	2 1/4	28	C8-5
36	600	2 1/2	28	C8-5
38	600	2 1/4	28	C8-5
40	600	2 1/4	32	C8-5
42	600	2 1/2	28	C8-5
44	600	2 1/2	32	C8-5
46	600	2 1/2	32	C8-5
48	600	2 3/4	32	C8-6
50	600	3	28	C8-6
52	600	3	32	C8-6
54	600	3	32	C8-6
56	600	3 1/4	32	CT
58	600	3 1/4	32	CT
60	600	3 1/2	28	C8-7

900 Class				
Pipe Diameter	Flange Class	Bolt Dia D	# Bolts	Compact-8 Tool
0.5	900	3/4	4	C8-0
0.75	900	3/4	4	C8-0
1	900	7/8	4	C8-0
1.25	900	7/8	4	C8-0
1.5	900	1	4	C8-1
2	900	7/8	8	C8-0
2.5	900	1	8	C8-1
3	900	7/8	8	C8-0
4	900	1 1/8	8	C8-1
5	900	1 1/4	8	C8-2
6	900	1 1/8	12	C8-1
8	900	1 3/8	12	C8-2
10	900	1 3/8	16	C8-2
12	900	1 3/8	20	C8-2
14	900	1 1/2	20	C8-3
16	900	1 5/8	20	C8-3
18	900	1 7/8	20	C8-4
20	900	2	20	C8-4
24	900	2 1/2	20	C8-5
26	900	2 3/4	20	C8-6
28	900	3	20	C8-6
30	900	3	20	C8-6
32	900	3 1/4	20	C8-7
34	900	3 1/2	20	C8-7
36	900	3 1/2	20	C8-7
38	900	3 1/2	20	C8-7
40	900	3 1/2	24	CT
42	900	3 1/2	24	C8-7
44	900	3 3/4	24	C8-7

1500 Class				
Pipe Diameter	Flange Class	Bolt Dia D	# Bolts	Compact-8 Tool
0.5	1500	3/4	4	CT
0.75	1500	3/4	4	CT
1	1500	7/8	4	C8-0
1.25	1500	7/8	4	C8-0
1.5	1500	1	4	CT
2	1500	7/8	8	C8-0
2.5	1500	1	8	C8-1
3	1500	1 1/8	8	C8-1
4	1500	1 1/4	8	C8-2
5	1500	1 1/2	8	C8-3
6	1500	1 3/8	12	C8-2
8	1500	1 5/8	12	C8-3
10	1500	1 7/8	12	C8-4
12	1500	2	16	C8-4
14	1500	2 1/4	16	C8-5
16	1500	2 1/2	16	C8-5
18	1500	2 3/4	16	C8-6
20	1500	3	16	C8-6
24	1500	3 1/2	16	C8-7

2500 Class				
Pipe Diameter	Flange Class	Bolt Dia D	# Bolts	Compact-8 Tool
0.5	2500	3/4	4	C8-0
0.75	2500	3/4	4	C8-0
1	2500	7/8	4	C8-0
1.25	2500	1	4	C8-1
1.5	2500	1 1/8	4	C8-1
2	2500	1	8	C8-1
2.5	2500	1 1/8	8	C8-1
3	2500	1 1/4	8	C8-2
4	2500	1 1/2	8	C8-3
5	2500	1 3/4	8	C8-4
6	2500	2	8	C8-4
8	2500	2	12	C8-4
10	2500	2 1/2	12	C8-5
12	2500	2 3/4	12	C8-6

- CT Contact Tentec for tool selection
- Possible Clash with weld neck flange hub
- Possible Clash with Adjacent Nuts





COMPACT Tool Compatability Chart
API - 6A & API 17D

Type 6B for Class 2000				
Nom Flange Size	Flange Class	Bolt Dia D	# Bolts	Compact-8 Tool
2 9/16	2000	3/4	8	C8-0
3 1/8	2000	3/4	8	C8-0
4 1/16	2000	7/8	8	C8-0
5 1/8	2000	1	8	C8-1
7 1/16	2000	1	12	C8-1
9	2000	1 1/8	12	C8-1
11	2000	1 1/4	16	C8-2
13 5/8	2000	1 1/4	20	C8-2
16 3/4	2000	1 1/2	20	C8-3
21 1/4	2000	1 5/8	24	C8-3
26 3/4	2000	1 3/4	20	C8-4
30	2000	1 5/8	32	C8-4

Type 6B for Class 3000				
Nom Flange Size	Flange Class	Bolt Dia D	# Bolts	Compact-8 Tool
2.062	3000	7/8	8	C8-0
2 9/16	3000	1	8	C8-1
3 1/8	3000	7/8	8	C8-0
4 1/16	3000	1 1/8	8	C8-1
5 1/8	3000	1 1/4	8	C8-2
7 1/16	3000	1 1/8	12	C8-1
9	3000	1 3/8	12	C8-2
11	3000	1 3/8	16	C8-2
13 5/8	3000	1 3/8	20	C8-2
16 3/4	3000	1 5/8	20	C8-3
20.3/4	3000	2	20	C8-4
26.3/4	3000	2	24	C8-4
30	3000	1 7/8	32	C8-4

Type 6B for Class 5000				
Nom Flange Size	Flange Class	Bolt Dia D	# Bolts	Compact-8 Tool
2 1/16	5000	0.875	8	C8-0
2 9/16	5000	1	8	C8-1
3 1/8	5000	1.125	8	C8-1
4 1/16	5000	1.25	8	C8-2
5 1/8	5000	1.5	8	C8-3
7 1/16	5000	1.375	12	C8-2
9	5000	1.625	12	C8-3
11	5000	1.875	12	C8-4
Type 6BX for Class 5000				
13 5/8	20000	3	20	C8-6
16 3/4	5000	1.875	16	C8-4
18 3/4	5000	2	20	C8-4
21 1/4	5000	2	24	C8-4

Type 6BX for Class 10000				
Nom Flange Size	Flange Class	Bolt Dia D	# Bolts	Compact-8 Tool
1 13/16	10000	0.75	8	C8-0
2 1/16	10000	0.75	8	C8-0
2 9/16	10000	0.875	8	C8-0
3 1/16	10000	1	8	C8-1
4 1/16	10000	1.125	8	C8-1
5 1/8	10000	1.125	12	C8-1
7 1/16	10000	1.5	12	C8-3
9	10000	1.5	16	C8-3
11	10000	1.75	16	C8-4
13 5/8	10000	1.875	20	C8-4
16 3/4	10000	1.875	24	C8-4
18 3/4	10000	2.25	24	C8-5
21 1/4	10000	2.5	24	C8-5

Type 6BX for Class 15000				
Nom Flange Size	Flange Class	Bolt Dia D	# Bolts	Compact-8 Tool
1 13/16	15000	0.875	8	C8-0
2 1/16	15000	0.875	8	C8-0
2 9/16	15000	1	8	C8-1
3 1/16	15000	1.125	8	C8-1
4 1/16	15000	1.375	8	C8-2
5 1/8	15000	1.5	12	C8-3
7 1/16	15000	1.5	16	C8-3
9	15000	1.875	16	C8-4
11	15000	2	20	C8-4
13 5/8	15000	2.25	20	C8-5
18 3/4	15000	3	20	C8-6

Type 6BX for Class 20000				
Nom Flange Size	Flange Class	Bolt Dia D	# Bolts	Compact-8 Tool
1 13/16	20000	1	8	C8-1
2 1/16	20000	1.125	8	C8-1
2 9/16	20000	1.25	8	C8-2
3 1/16	20000	1.375	8	C8-2
4 1/16	20000	1.75	8	C8-4
7 1/16	20000	2	16	C8-4
9	20000	2.5	16	C8-5
11	20000	2.75	16	C8-6
13 5/8	20000	3	20	C8-6

API 17D

API 17D Type 17SS for Class 5000				
Nom Flange Size	Flange Class	Bolt Dia D	# Bolts	Compact-8 Tool
2 1/16	5000	0.875	8	C8-0
2 9/16	5000	1	8	C8-1
3 1/8	5000	1.125	8	C8-1
4 1/16	5000	1.25	8	C8-2
5 1/8	5000	1.5	8	C8-3
7 1/16	5000	1.375	12	C8-2
9	5000	1.625	12	C8-3
11	5000	1.875	12	C8-4
13 5/8	5000	1.625	16	C8-3

API 17D Type 17SS for Class 10000				
Nom Flange Size	Flange Class	Bolt Dia D	# Bolts	Compact-8 Tool
1.8125	10000	0.75	8	No.0
2.062	10000	0.75	8	No.0
2.5625	10000	0.875	8	No.0
3.062	10000	1	8	No.1
4.062	10000	1.125	8	No.1
5.125	10000	1.125	12	No.1
7.062	10000	1.5	12	No.3
9	10000	1.5	16	No.3
11	10000	1.75	16	No.4
13.625	10000	1.875	20	No.4





COMPACT Tool Compatibility Chart
Vector* - SPO Compact Flanges

Class 150				
Nom Flange Size	Flange Class	Bolt Dia D	# Bolts	Compact-8 Tool
24	150	0.75	24	C8-0
26	150	0.75	24	C8-0
28	150	0.75	28	C8-0
30	150	0.75	32	C8-0
32	150	0.75	36	C8-0
34	150	0.75	40	C8-0
36	150	0.875	32	C8-0
38	150	0.875	36	C8-0
40	150	0.875	40	C8-0
42	150	0.875	44	C8-0
44	150	0.875	44	C8-0
46	150	0.875	48	C8-0
48	150	0.875	52	C8-0

Class 300				
Nom Flange Size	Flange Class	Bolt Dia D	# Bolts	Compact-8 Tool
16	300	0.75	24	C8-0
18	300	0.75	28	C8-0
20	300	0.875	24	C8-0
22	300	0.875	28	C8-0
24	300	1	28	C8-1
26	300	1	32	C8-1
28	300	1	32	C8-1
30	300	1.125	32	C8-1
32	300	1.125	32	C8-1
34	300	1.25	32	C8-2
36	300	1.25	32	C8-2
38	300	1.25	36	C8-2
40	300	1.25	40	C8-2
42	300	1.375	36	C8-2
44	300	1.375	40	C8-2
46	300	1.5	36	C8-3
48	300	1.5	36	C8-3

Class 600				
Nom Flange Size	Flange Class	Bolt Dia D	# Bolts	Compact-8 Tool
10	600	0.75	20	C8-0
12	600	0.875	20	C8-0
14	600	0.875	24	C8-0
16	600	1	24	C8-1
18	600	1.125	24	C8-1
20	600	1.125	28	C8-1
22	600	1.25	24	C8-2
24	600	1.25	28	C8-2
26	600	1.25	32	C8-2
28	600	1.375	32	C8-2
30	600	1.375	36	C8-2
32	600	1.5	32	C8-3
34	600	1.625	32	C8-3
36	600	1.625	32	C8-3
38	600	1.75	32	C8-4
40	600	1.75	36	C8-4
42	600	1.875	32	C8-4
44	600	1.875	36	C8-4
46	600	2	36	C8-4
48	600	2	36	C8-4

Class 900				
Nom Flange Size	Flange Class	Bolt Dia D	# Bolts	Compact-8 Tool
8	900	0.75	20	C8-0
10	900	0.875	20	C8-0
12	900	1	20	C8-1
14	900	1	24	C8-1
16	900	1.125	24	C8-1
18	900	1.25	24	C8-2
20	900	1.375	24	C8-2
22	900	1.5	24	C8-3
24	900	1.625	24	C8-3
26	900	1.75	24	C8-4
28	900	1.75	24	C8-4
30	900	1.875	24	C8-4
32	900	2	24	C8-4
34	900	2.25	24	C8-5
36	900	2.25	24	C8-5
38	900	2.5	24	C8-5
40	900	2.5	24	C8-5
42	900	2.5	28	C8-5
44	900	2.5	28	C8-5
46	900	2.75	28	C8-6
48	900	3	28	C8-6

Class 1500				
Nom Flange Size	Flange Class	Bolt Dia D	# Bolts	Compact-8 Tool
4	1500	0.75	12	C8-0
5	1500	0.875	12	C8-0
6	1500	1	12	C8-1
8	1500	1	16	C8-1
10	1500	1.25	16	C8-2
12	1500	1.25	20	C8-2
14	1500	1.375	20	C8-2
16	1500	1.5	20	C8-3
18	1500	1.75	20	C8-4
20	1500	1.875	20	C8-4
22	1500	2	20	C8-4
24	1500	2.25	20	C8-5
26	1500	2.25	20	C8-5
28	1500	2.25	24	C8-5
30	1500	2.5	24	C8-5
32	1500	2.5	24	C8-5
34	1500	2.75	24	C8-6
36	1500	3.25	20	C8-7
38	1500	3.5	20	C8-7
40	1500	3.25	24	CT
42	1500	3.75	20	C8-7
44	1500	3.5	24	C8-7
46	1500	3.75	24	C8-7
48	1500	3.75	24	C8-7

Class 2500				
Nom Flange Size	Flange Class	Bolt Dia D	# Bolts	Compact-8 Tool
2.5	2500	0.75	8	C8-0
3	2500	0.875	8	C8-0
4	2500	1	8	C8-1
5	2500	1	12	C8-1
6	2500	1.125	12	C8-1
8	2500	1.375	12	C8-2
10	2500	1.5	16	C8-3
12	2500	1.75	16	C8-4
14	2500	1.875	16	C8-4
16	2500	2.25	16	C8-5
18	2500	2.25	16	C8-5
20	2500	2.5	16	C8-5
22	2500	3	16	C8-6
24	2500	3.25	16	C8-7

Class 5000				
Nom Flange Size	Flange Class	Bolt Dia D	# Bolts	Compact-8 Tool
4	5000	0.75	12	C8-0
5	5000	0.875	12	C8-0
6	5000	1	12	C8-1
8	5000	1	16	C8-1
10	5000	1.25	16	C8-2
12	5000	1.25	20	C8-2
14	5000	1.375	20	C8-2
16	5000	1.5	20	C8-3
18	5000	1.75	20	C8-4
20	5000	1.875	20	C8-4
22	5000	2	20	C8-4
24	5000	2.25	20	C8-5

Class 7500 (Formerly 4500i)				
Nom Flange Size	Flange Class	Bolt Dia D	# Bolts	Compact-8 Tool
2.5	7500	0.75	8	C8-0
3	7500	0.875	8	C8-0
4	7500	0.875	12	C8-0
5	7500	1.125	12	C8-1
6	7500	1.25	12	C8-2
8	7500	1.5	12	C8-3
10	7500	1.875	12	C8-4
12	7500	1.875	16	C8-4
14	7500	2	16	C8-4
16	7500	2.25	16	C8-5
18	7500	2.5	16	C8-5
20	7500	3.25	12	C8-7
22	7500	3.5	12	C8-7

Class 10000				
Nom Flange Size	Flange Class	Bolt Dia D	# Bolts	Compact-8 Tool
3	10000	0.75	8	C8-0
3	10000	0.75	12	C8-0
4	10000	0.875	12	C8-0
5	10000	1.125	12	C8-1
6	10000	1.25	12	C8-2
8	10000	1.5	12	C8-3
10	10000	1.625	16	C8-3
12	10000	1.875	16	C8-4
14	10000	2	16	C8-4
16	10000	2.25	16	C8-5
18	10000	2.5	16	C8-5
20	10000	2.75	16	C8-6
22	10000	3	16	C8-6
24	10000	3.5	16	C8-7

Class 15000				
Nom Flange Size	Flange Class	Bolt Dia D	# Bolts	Compact-8 Tool
2	15000	0.75	8	C8-0
2.5	15000	0.875	8	C8-0
3	15000	0.875	12	C8-0
4	15000	1.125	12	CT
5	15000	1.25	12	CT
6	15000	1.25	16	CT
8	15000	1.5	16	C8-3
10	15000	1.875	16	CT
12	15000	2	16	C8-4
14	15000	2.5	16	C8-5
16	15000	2.5	16	C8-5
18	15000	3	16	C8-6
20	15000	3.25	16	C8-7
22	15000	3.5	16	C8-7

CT Contact Tentec for tool selection

