

MODEL

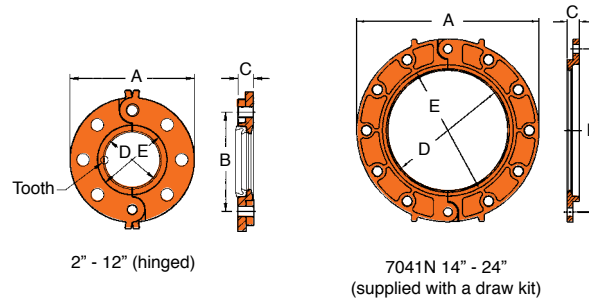
7041 FLANGE ADAPTER - ANSI CLASS 125/150

The **Shurjoint** Model 7041 flange adapters 2" through 12" are supplied hinged as a single assembly, while 14" - 24" (7041N) are supplied with two independent segments and a draw kit.

Pressure-Temperature Rating

Nom. Rating	Working Pressure (STD, Roll-grooved)	Max. Service Temperature
Class 150	300 psi @ 100°F 20 Bar @ 38°C	EPDM: 230°F / 110°C Nitrile: 180°F / 82°C

*Working pressure is based on roll- or cut-grooved standard wall carbon steel pipe.
*Hydrostatic Shell Test: 450 psi (30 bar) per ANSI B16.5.



Nominal Size mm / in	Pipe O. D. mm / in	Max. Working Pressure Bar / PSI	Max. End Load kN / Lbs	Dimensions			Sealing Surface		Bolts		Weight Kgs / Lbs
				A mm / in	B mm / in	C mm / in	D mm / in	E mm / in	No.	Size in	
50	60.3	20	5.71	152	121	19	60	87	4	5/8	1.8
2	2.375	300	1330	6.00	4.75	0.75	2.36	3.42	4	5/8	4.0
65	73.0	20	8.37	178	140	22	73	102	4	5/8	2.3
2½	2.875	300	1950	7.00	5.50	0.87	2.87	4.00	4	5/8	5.1
80	88.9	20	12.41	190	152	24	89	116	4	5/8	2.8
3	3.500	300	2880	7.50	6.00	0.94	3.50	4.56	4	5/8	6.2
100	114.3	20	20.51	229	191	24	114	141	8	5/8	3.8
4	4.500	300	4770	9.00	7.50	0.94	4.50	5.56	8	5/8	8.3
125	141.3	20	31.35	254	216	24	141	171	8	3/4	4.7
5	5.563	300	7290	10.00	8.50	0.94	5.56	6.73	8	3/4	10.3
150	168.3	20	44.47	279	241	25	168	198	8	3/4	5.0
6	6.625	300	10340	11.00	9.50	1.00	6.62	7.79	8	3/4	11.1
200	219.1	20	75.37	343	298	28	219	254	8	3/4	7.8
8	8.625	300	17520	13.50	11.75	1.12	8.62	10.00	8	3/4	17.2
250	273.0	20	117.01	406	362	30	273	308	12	7/8	11.7
10	10.750	300	27210	16.00	14.25	1.18	10.75	12.12	12	7/8	25.7
300	323.9	20	164.71	482	432	32	324	359	12	7/8	17.1
12	12.750	300	38280	19.00	17.00	1.25	12.75	14.13	12	7/8	37.6
350	355.6	20	198.53	533	476	37	356	416	12	1	28.0
14	14.000	300	46160	21.00	18.75	1.44	14.0	16.40	12	1	61.7
400	406.4	20	259.3	597	540	37	406	467	16	1	35.0
16	16.000	300	60290	23.50	21.25	1.44	16.0	18.40	16	1	77.1
450	457.2	20	328.18	635	578	40	457	508	16	1 1/8	39.0
18	18.000	300	76300	25.80	22.75	1.56	18.0	20.00	16	1 1/8	86.0
500	508.0	20	405.18	699	635	43	508	572	20	1 1/8	49.5
20	20.000	300	94200	27.50	25.00	1.69	20.0	22.50	20	1 1/8	109.1
550	558.8	20	490.24	749	692	48	551	588	20	1 1/4	60.4
22	22.000	300	113980	29.50	27.25	1.90	21.70	23.15	20	1 1/4	133.1
600	609.6	20	583.43	813	749	49	602	635	20	1 1/4	71.5
24	24.000	300	135650	32.00	29.50	1.94	23.70	25.0	20	1 1/4	157.6



Required bolt torque

The tables show standard torque values for proper assembly of **Shurjoint** flange adapters. Use a torque wrench so that all the nuts are tightened equally with a same torque value. **Shurjoint** flange adapters are sealed with elastic (rubber) gaskets, which require much lower torques than those that utilize metallic gaskets.

Required Torque for Model 7041 Flange Adapters (ANSI Class 125/150)

Nom. Size inch	Bolt Size inch	Required Torque	
		N-m	Lbs-Ft
2"	5/8 (4)	30 - 50	22 - 37
2½"	5/8 (4)	30 - 50	22 - 37
3"	5/8 (4)	40 - 68	30 - 50
4"	5/8 (8)	40 - 68	30 - 50
5"	3/4 (8)	40 - 68	30 - 50
6"	3/4 (8)	40 - 68	30 - 50
8"	3/4 (8)	68 - 90	50 - 66
10"	7/8 (12)	80 - 120	59 - 89
12"	7/8 (12)	80 - 120	59 - 89
14"	1 (12)	100 - 135	74 - 100
16"	1 (16)	100 - 135	74 - 100
18"	1 1/8 (16)	110 - 160	81 - 118
20"	1 1/8 (20)	110 - 160	81 - 118
24"	1 1/4 (20)	135 - 190	100 - 140

() : No. of bolts

Required Torque for Model 7041 Flange Adapters (PN 10/16)

Nom. Size mm	Bolt Size mm	Required Torque	
		N-m	Lbs-Ft
50	M16 (4)	30 - 50	22 - 37
65	M16 (4)	30 - 50	22 - 37
80	M16 (8)	40 - 68	30 - 50
100	M16 (8)	40 - 68	30 - 50
125	M20 (8)	40 - 68	30 - 50
150	M20 (8)	40 - 68	30 - 50
200	M20 (12)	68 - 90	50 - 66
250	M24 (12)	80 - 120	59 - 89
300	M24 (12)	80 - 120	59 - 89
350	M24 (16)	100 - 135	74 - 100
400	M27 (16)	100 - 135	74 - 100
450	M27 (20)	110 - 160	81 - 118
500	M30 (20)	110 - 160	81 - 118
600	M33 (20)	135 - 190	100 - 140

() : No. of bolts