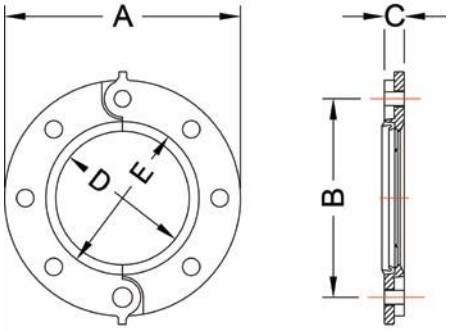
MODEL SS-41 FLANGE ADAPTER - ANSI 125/150

The Model SS-41 stainless steel flange adapter allows for a direct connection with ANSI Class 125/150 flanges. The specially designed gasket allows for the transition from a grooved system to a flanged system or component with a single flange. The SS-41 is investment cast in grades CF8 (304), CF8M (316) as well as the optional grades shown below. Integral closure tabs located on the flange O.D. help to facilitate alignment and assembly.

c UL us LISTED FM APPROVED

For Fire Protection pressure rating, listing, and approval information, refer to Data Sheet B-42 or visit ***SHURJOINT*** website, www.shurjoint.com for details or contact your ***SHURJOINT*** Representative.



10 YEAR LIMITED WARRANTY

Full warranty terms can be found on www.shurjoint.com

Model SS-41 Flange Adapter - ANSI 125/150

Nominal Size	Pipe O.D.	Max. Working Pressure (CWP)*	Max. End Load (CWP)	Dimensions A	B	C	Sealing Surface D	E	Bolts No.	Size	Weight
in *mm*	in *mm*	PSI *Bar*	Lbs *KN*	in *mm*	in *mm*	in *mm*	in *mm*	in *mm*		in	Lbs *Kgs*
2 50	2.375 60.3	300 20	1330 5.71	6.00 152	4.75 121	0.75 19	2.28 58	3.07 78	4	⅝ x 3	4.6 2.1
2½ 65	2.875 73.0	300 20	1950 8.37	7.00 178	5.50 140	0.87 22	2.72 69	3.54 90	4	⅝ x 3	6.0 2.7
3 80	3.500 88.9	300 20	2880 12.41	7.52 191	6.00 152	0.94 24	3.35 85	4.17 106	4	⅝ x 3	6.8 3.1
4 100	4.500 114.3	300 20	4770 20.51	9.00 229	7.50 191	0.94 24	4.33 110	5.20 132	8	⅝ x 3	9.9 4.5
6 150	6.625 168.3	300 20	10340 44.47	11.00 279	9.50 241	1.00 25	6.46 164	7.32 186	8	¾ x 3½	12.9 5.8
8 200	8.625 219.1	300 20	17520 75.37	13.50 343	11.75 298	1.14 29	8.46 215	9.29 236	8	¾ x 3½	20.2 9.2

* The working pressure shown is based on roll-grooved Sch. 40S pipe.

MODEL SS-41 NOTES

• Sealing Surface (D & E):

The sealing surface of the mating flange, the area shown in the illustration between D & E shall be free from gouges, undulations or deformities of any type to assure optimum sealing.

• Gasket Insertion:

Make sure that the bottom of the gasket (the making side) is positioned and seated against the bottom of the flange recess.

• Sandwich plates:

The Model SS-41 flange requires a hard flat face for effective gasket sealing. A sandwich plate is required and should always be used when the mating surface is not adequate, as with the serrated faces of some valves or the rubber faced or rubber lined flange of a wafer valve.

• Inside teeth:

The Model SS-41 Flange have small triangular teeth inside the key shoulder to prevent rotating on the pipe. These teeth should be ground off prior to mating to rubber lined grooved end valve because of possible damage to the surface coating or the integrity of the pipe strength.

• Caution:

The Model SS-41 flanges shall not be used as anchor points for tie-rods across non-restrained joints. Do not use Model SS-41 flanges within 90 degrees of one another on a standard fitting when the outside dimensions cause interference.

MATERIAL SPECIFICATIONS

• Housing:

Type 304 Stainless steel to ASTM A351 CF8 or A743 Gr. CF8

- ☐ Type 316 to ASTM A743 CF8M
- ☐ Type 316L to ASTM A743 CF3M
- ☐ Type 316Ti to ASTM A240
- ☐ Duplex 2205 to ASTM A890 4A.
- ☐ Super Duplex 2507 to ASTM A890 5A.
- ☐ Duplex 254SMO to ASTM A351 CK3McuN.

• Rubber Gasket:

Grade E-pw EPDM (Color code: Double Green stripe) certified under NSF/ANSI 61 and NSF/ANSI 372 for potable water service to +180°F (+82°C). Also good for services for water with acid, water with chlorine, deionized water, seawater and waste water, dilute acids, oil-free air and many chemicals. Not recommended for petroleum oils, minerals oils, solvents and aromatic hydrocarbons.

☐ **Grade "E" EPDM** (Color code: Green stripe) Good for cold & hot water up to +200°F (+93°C). Also good for services for water with acid, water with chlorine, deionized water, seawater and waste water, dilute acids, oil-free air and many chemicals. Not recommended for petroleum oils, minerals oils, solvents and aromatic hydrocarbons.
Maximum Temperature Range: -30°F (-34°C) to +200°F (+93°C)*.

*EPDM seat for water services are not recommended for steam services unless valves or components are accessible for frequent replacement.

☐ (Option) **Grade "T" Nitrile** (Color code: Orange stripe) Recommended for petroleum products, air with oil vapors, vegetable and mineral oils within the specified temperature range. Also good for water services under +150°F (+66°C).
Temperature range: -20°F to +180°F (-29°C to +82°C).
Do not use for HOT WATER above +150°F (+66°C) or HOT DRY AIR above +140°F (+60°C)

☐ Other options: Grade "O" Fluoroelastomer.
Grade "L" Silicone.
For additional details contact ***Shurjoint***.

General Notes:

- ***Maximum Working Pressure (CWP)*** listed is the maximum cold water pressure for general piping services tested to ASTM F1476 and or AWWA C606 methods. Figures listed are based on roll- or cut-grooved standard wall stainless steel pipe. For other pipe schedules or pipe materials, contact ***Shurjoint*** for additional information.
- ***Max. End Load*** is calculated based on the maximum working pressure (CWP).
- ***Listed and or Approved Pressures*** are pressure ratings for fire protection systems, tested and approved by various approval bodies. Please always refer to the latest approval data posted on the ***Shurjoint*** website.
- ***Field Joint Test:*** For one time only the system may be tested hydrostatically at 1½ times the maximum working pressure listed (AWWA C606 5.2.3).
- ***Warning:*** Piping systems must always be depressurized and drained before attempting disassembly and or removal of any components.
- ***The 10 Year Limited Warranty*** applies to manufacturing defects only and does not cover severe service/temperature applications or wear parts.
- ***Shurjoint*** reserves the right to change specifications, designs and or standard without notice and without incurring any obligations.