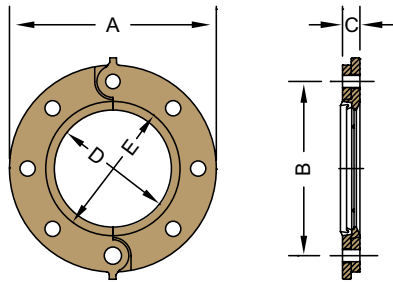


ROLL SET
As copper tubing is thinner than carbon steel pipe, always use a roll set specifically designed for use on copper tubing.

Job Name:	
Job Location:	
Engineer:	
Contractor:	
Tag:	
PO#:	
Rep:	
Wholesale Dist.:	



The Model C341 Flange allows for the direct connection of grooved-end copper tubing with ANSI class 125/150 (steel) or ASME B16.24 (copper) class 150 flanged components without the need for heat or lead. Available in sizes 2" - 6" (50 mm - 150 mm) the Model C341 is supplied hinged as a single assembly with a set of hex-head bolt and nut and a pressure responsive gasket. The pressure responsive gasket seals on the outside diameter of the copper tubing and isolates the flange segments from the internal fluid. Pressure rating: up to 300 psi (20 bar) depending on the size and type of copper tubing being used.

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

DIMENSIONS

NOMINAL SIZE	PIPE O.D.	MAX. WORKING PRESSURE (CWP)*	DIMENSIONS					BOLT		WEIGHT
			A	B	C	D	E	NO.	SIZE	
in	in	PSI	in	in	in	in	in		in	lb
mm	mm	Bar	mm	mm	mm	mm	mm			kg
2	2.125	300	6.00	4.75	0.75	2.13	3.20	4	5/8 x 3	4.6
50	54.0	20	152	121	19	54	81			2.1
2-1/2	2.625	300	7.00	5.50	0.87	2.63	3.91	4	5/8 x 3	6.6
65	66.7	20	178	140	22	67	99			3.0
3	3.125	300	7.50	6.00	0.94	3.13	4.53	4	5/8 x 3	7.7
80	79.4	20	190	152	24	80	115			3.5
4	4.125	300	9.00	7.50	0.94	4.13	5.53	4	5/8 x 3	9.5
100	104.8	20	229	191	24	105	140			4.3
5	5.125	300	10.00	8.50	0.94	5.13	6.71	8	3/4 x 3-1/2	12.8
125	130.2	20	254	216	24	130	170			5.8
6	6.125	300	11.00	9.50	1.00	6.13	7.79	8	3/4 x 3-1/2	13.6
150	155.6	20	279	241	25	156	198			6.2

* Working Pressure is for connection with roll-grooved Type K copper tubing

** Please note that 2", 2-1/2", and 3" Model C341 Flanges cannot be used for making direct connections to Model SJ-C300 Butterfly Valves due to bolt pad interference with the valve.

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 ensure optimum sealing.

GASKET INSERTION:

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

SANDWICH PLATES:

- The Model C341 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.

CAUTION:

- The Model C341 flanges shall not be used as anchor points for tie-rods across non-restrained joints. Do not use Model C341 flanges within 90 degrees of one another on a standard fitting when the outside dimensions cause interference.

PERFORMANCE DATA

NOMINAL SIZE	PIPE O.D.	TYPE "K" ASTM B-88			TYPE "L" ASTM B-88			TYPE "M" ASTM B-88			DWV ASTM B-88		
		WALL THICK	MAX. JOINT WORKING PRESSURE	MAX. PERMIS. END LOAD	WALL THICK	MAX. JOINT WORKING PRESSURE	MAX. PERMIS. END LOAD	WALL THICK	MAX. JOINT WORKING PRESSURE	MAX. PERMIS. END LOAD	WALL THICK	MAX. JOINT WORKING PRESSURE	MAX. PERMIS. END LOAD
in mm	in mm	in mm	PSI Bar	lb kN	in mm	PSI Bar	lb kN	in mm	PSI Bar	lb kN	in mm	PSI Bar	lb kN
2	2.125	0.083	300	1,065	0.07	300	1,065	0.058	250	890	--	--	--
50	54	2.1	20	4.7	1.8	20	4.7	1.5	17	3.9	--	--	--
2-1/2	2.625	0.095	300	1,625	0.08	300	1,625	0.065	250	1,350	--	--	--
65	66.7	2.4	20	7.2	2	20	7.23	1.7	17	6	--	--	--
3	3.125	0.109	300	2,300	0.09	300	2,300	0.072	250	1,415	0.045	100	765
80	79.4	2.8	20	10.2	2.3	20	10.2	1.8	17	6.3	1.1	7	3.4
4	4.125	0.134	300	4,005	0.11	300	4,005	0.095	250	3,340	0.058	100	1,335
100	104.8	3.4	20	17.8	2.8	20	17.8	2.4	17	14.9	1.5	7	5.9
5	5.125	0.16	300	6,190	0.125	300	6,190	0.109	200	4,125	0.072	100	2,060
125	130.2	4.1	20	27.6	3.2	20	27.6	2.8	14	18.4	1.8	7	9.2
6	6.125	0.192	300	8,840	0.14	300	8,840	0.122	200	5,890	0.083	100	2,945
150	155.6	4.9	20	39.3	3.6	20	39.3	3.2	14	26.2	2.1	7	1.31

LISTINGS/APPROVALS

The information provided below is based on the latest listing and approval data at the time of publication. Listings/Approvals are subject to change and/or additions by the approvals agencies. Contact Shurjoint for the performance on other pipes and the latest listings and approvals

UL / CUL	
NOM. SIZE	TYPE K,L
in	psi
mm	Bar
2	200
50	13.8
2½	200
65	13.8
76.1 mm	200
65	13.8
3	200
80	13.8
4	200
100	13.8
5	200
125	13.8
6	200
150	13.8

MATERIAL SPECIFICATIONS HOUSING:

- Ductile Iron to ASTM A536, Gr. 65-45-12 and or to ASTM A395, Gr. 65-45-15, min. tensile strength 65,000 psi (448 MPa).N

COATING:

- Epoxy coated in copper color

RUBBER GASKET:

Gr. "E-pw" EPDM (Color code: Double Green Stripes)

- Good for cold +86°F (+30°C) and hot +180°F (+82°C) potable water services. EPDM is UL classified per NSF/ANSI 61 & NSF/ANSI 372.

BOLTS & NUTS:

- Plated hex bolt conforming to ASTM A307 with hex nut (1 set of nut and bolt is supplied). Bolts and nuts for the flange connection to be supplied by installer.

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 carbon 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).
- Field Joint Test: For one time only the system may be tested hydrostatically at 1.5 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.