

Performance Data Sheet – Grooved Couplings and Flanges for Copper Tubing (CTS)

The following tables show maximum working pressures (CWP) of **Shurjoint** couplings and flange adapters used on Copper Tubing (CTS). Stated pressure ratings have been developed with a safety factor. Please see **Shurjoint's** online installation instructions for most recently updated instructions. Proper installation is important to proper performance.

Size		Model C305			
Nominal	OD	Type K	Type L	Type M	Type DWV
Inches	Inches	psi	psi	psi	psi
	mm	Bar	Bar	Bar	Bar
2	2.125	300	300	250	100
	54.0	20	20	17.3	6.9
2½	2.625	300	300	250	–
	66.7	20	20	17.3	–
3	3.125	300	300	250	100
	79.4	20	20	17.3	6.9
4	4.125	300	300	250	100
	104.8	20	20	17.3	6.9
5	5.125	300	300	200	100
	130.2	20	20	13.7	6.9
6	6.125	300	300	200	100
	155.6	20	20	13.7	6.9

Size		Model C306			
Nominal	OD	Type K	Type L	Type M	Type DWV
Inches	Inches	psi	psi	psi	psi
	mm	Bar	Bar	Bar	Bar
2½ x 2	2.125 x 2.215	300	300	250	100
	66.7 x 54	20	20	17.3	6.9
3 x 2	3.125 x 2.125	300	300	250	–
	79.4 x 54	20	20	17.3	–
3 x 2½	3.125 x 2.625	300	300	250	100
	79.4 x 66.7	20	20	17.3	6.9
4 x 2½	4.125 x 2.625	300	300	250	100
	104.8 x 66.7	20	20	17.3	6.9
4 x 3	4.125 x 3.125	300	300	200	100
	104.8 x 79.4	20	20	13.7	6.9
5 x 4	5.125 x 4.125	300	300	200	100
	130.2 x 104.8	20	20	13.7	6.9
6 x 4	6.125 x 4.125	300	300	200	100
	155.6 x 104.8	20	20	13.7	6.9

Size		Model C307			
Nominal	OD	Type K	Type L	Type M	Type DWV
Inches	Inches	psi	psi	psi	psi
	mm	Bar	Bar	Bar	Bar
2	2.125	300	300	250	100
	54.0	20	20	17.3	6.9
2½	2.625	300	300	250	–
	66.7	20	20	17.3	–
3	3.125	300	300	250	100
	79.4	20	20	17.3	6.9
4	4.125	300	300	250	100
	104.8	20	20	17.3	6.9
6	6.125	300	300	250	100
	155.6	20	20	13.7	6.9

Size		Model C341			
Nominal	OD	Type K	Type L	Type M	Type DWV
Inches	Inches	psi	psi	psi	psi
	mm	Bar	Bar	Bar	Bar
2	2.125	300	300	250	–
	54.0	20	20	17.3	–
2½	2.625	300	300	250	–
	66.7	20	20	17.3	–
3	3.125	300	300	250	100
	79.4	20	20	17.3	6.9
4	4.125	300	300	250	100
	104.8	20	20	17.3	6.9
5	5.125	300	300	200	100
	130.2	20	20	13.7	6.9
6	6.125	300	300	200	100
	155.6	20	20	13.7	6.9

Notes:

- Pressures are based on copper tube conforming to ASTM B88 hard drawn temper types K, L, M, and ASTM B306 Type DWV.