aalberts integrated piping systems

C723 BRONZE MECHANICAL TEE

For pressure rating, listing, and approval information, refer to data sheet or visit SHURJOINT website www.shurjoint.com for details or contact your SHURJOINT representatives.

The Shurjoint Model C723 provides a fast, easy and reliable branch connection from copper tubing (CTS). The fitting consists of bronze upper housings, ductile iron lower housing, rubber gasket and carbon steel track bolts and nuts. The lead-free bronze castings conform to ASTM B-584 copper alloy C83470 (93-4-0-2) is available with a female threaded outlet, NPT or BSPT.

CAUTION

Use a torque wrench and tighten the nuts to an approx. torque value of 15 ~ 22 Lbs-Ft (20 ~ 30 Nm). Excess torque may cause joint failure.

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material specification

- Upper Housing:
  Bronze casting to ASTM B-584 UNS C83470 (93-4-0-2).
- Lower Housing:
  Ductile Iron to ASTM A536, Gr. 65-45-12, painted 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 and NSF/ANSI 372.
  For additional details contact Shurjoint.
- Bolts & Nuts:
  Heat treated carbon manganese steel track bolts to ASTM A449-83a (or A183 Gr. 2), minimum tensile strength 110,000 psi (758 MPa), Zinc electroplated, with heavy-duty hexagonal nuts to ASTM A563.

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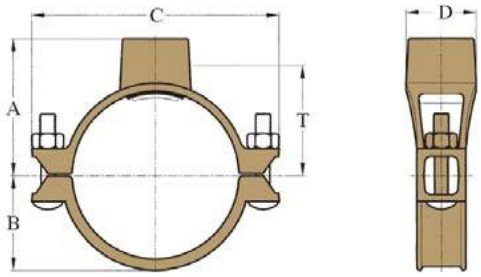

Model C723 Bronze Mechanical Tee

Nominal CTS x NPT	Max. Working Pressure (CWP)*	Hole Dia. +0.063, -0 +1.6, -0	Dimensions A	B	C	D	T**	Bolts Size	Weight
in	PSI	in	in	in	in	in	in	in	lbs
mm	Bar	mm	mm	mm	mm	mm	mm		kg
2½ x ½	200	1.18	2.56	1.61	4.65	1.89	2.09	⅜ x 2⅛	1.5
65 x 15	14	30	65	41	118	48	53		0.7
2½ x ¾	200	1.18	2.56	1.61	4.65	2.01	2.05	⅜ x 2⅛	1.5
65 x 20	14	30	65	41	118	51	52		0.7
2½x 1	200	1.18	2.56	1.61	4.65	1.89	1.93	⅜ x 2⅛	1.5
65 x 25	14	30	65	41	118	48	49		0.7
2½ x 1¼	200	1.77	2.68	1.61	4.65	2.64	2.15	⅜ x 2⅛	2.2
65 x 32	14	45	68	41	118	67	55		1.0
3 x ¾	200	1.18	2.80	1.89	5.16	2.01	2.28	⅜ x 2⅛	1.5
80 x 20	14	30	71	48	131	51	58		0.7
3 x 1	200	1.18	2.80	1.89	5.16	1.89	2.20	⅜ x 2⅛	1.8
80 x 25	14	30	71	48	131	48	56		0.8
3 x 1¼	200	1.77	2.95	1.89	5.16	2.64	2.59	⅜ x 2⅛	2.2
80 x 32	14	45	75	48	131	67	66		1.0
4 x ¾	200	1.18	3.35	2.36	6.22	2.01	2.80	⅜ x 2⅛	1.8
100 x 20	14	30	85	60	158	51	71		0.8
4 x 1	200	1.18	3.35	2.36	6.22	1.89	3.11	⅜ x 2⅛	1.8
100 x 25	14	30	85	60	158	48	79		0.8
4 x 1¼	200	1.77	3.35	2.36	6.22	2.64	3.11	⅜ x 2⅛	1.9
100 x 32	14	45	85	60	158	67	79		0.9

*Working pressure is for connection with Type K copper tubing.

**T: Center of run to engaged pipe end (approx.).

General note

- 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.
- 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.

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