



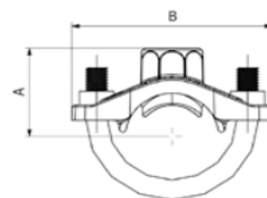
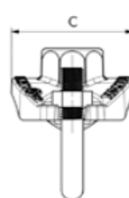
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We reserve the right to change the technical data sheet without prior notice and without any obligation.

U bolted threaded mechanical tees provide a fast, leak-tight way to create branch connections on grooved steel pipe runs—without welding. The fitting clamps onto the pipe with a gasketed housing, and the threaded outlet delivers a reliable take-off for auxiliary lines. It is suitable for both fireprotection and HVAC (heating, ventilation, and air conditioning) applications.

Product	Nominal Size (mm/in)	Normal Size (inch)	Pipe outside diameter (mm)	Product number	Working Pressure (PSI)	Working Pressure (bar)	Hole Dia (mm) +1,6 , 0	A (mm)	B (mm)	C (mm)	Bolt/Nut (mm)	Weight (kg/pc)	Carton quantity (pc)	Remark
 	25*15	1*1/2	33.7x21.3	MTU-1x1/2-X	300	20	30	39	84	49	10*60	0,34	50	EPDM gasket
	25*20	1*3/4	33.7x26.9	MTU-1x3/4-X	300	20	30	42	84	49	10*60	0,34	50	EPDM gasket
	32*15	1 1/4*1/2	42.4x21.3	MTU-11/4x1/2-X	300	20	30	42	93	58	10*68	0,38	50	EPDM gasket
	32*20	1 1/4*3/4	42.4x26.9	MTU-11/4x3/4-X	300	20	30	45	93	58	10*68	0,42	50	EPDM gasket
	32*25	1 1/4*1	42.4x33.7	MTU-11/4x1-X	300	20	30	49	93	58	10*68	0,46	50	EPDM gasket
	40*15	1 1/2*1/2	48.3x21.3	MTU-11/2x1/2-X	300	20	30	39	93	58	10*68	0,38	50	EPDM gasket
	40*20	1 1/2*3/4	48.3x26.9	MTU-11/2x3/4-X	300	20	30	42	93	58	10*68	0,4	50	EPDM gasket
	40*25	1 1/2*1	48.3x33.7	MTU-11/2x1-X	300	20	30	46	93	58	10*68	0,45	50	EPDM gasket
	50*15	2*1/2	60.3x21.3	MTU-2x1/2-X	300	20	30	36	98	58	10*83	0,41	45	EPDM gasket
	50*20	2*3/4	60.3x26.9	MTU-2x3/4-X	300	20	30	39	98	58	10*83	0,44	45	EPDM gasket
	50*25	2*1	60.3x33.7	MTU-2x1-X	300	20	30	43	98	58	10*83	0,49	45	EPDM gasket
	65*15	2 1/2*1/2	76.1x21.3	MTU-21/2x1/2-X	300	20	30	36	113	58	10*96	0,47	40	EPDM gasket
	65*20	2 1/2*3/4	76.1x26.9	MTU-21/2x3/4-X	300	20	30	40	113	58	10*96	0,51	40	EPDM gasket
	65*25	2 1/2*1	76.1x33.7	MTU-21/2x1-X	300	20	30	43	113	58	10*96	0,55	40	EPDM gasket
	80*25	3*1	88.9x33.7	MTU-3x1-X	300	20	30	43	126	59	10*115	0,62	40	EPDM gasket

X: Painted = P (PTD), Hot dip galvanized = G (GLV), Dacromet = D (DACR) // Example: MTU-3x1-P = painted version



Gasket	Name	Temperature range	General Service Recommendations	Color mark
E	EPDM	-34 - +110°C (-30 - +230°F)	Recommended for hot water, fire water, cooling and industrial water services within the specified temperature range plus a variety of dilute acids, oil-free air and many chemicals services. UL classified in accordance with ANSI/NSF 61 or cold +86°F (+30°C) and hot +180°F (+82°C) potable water service. <u>Not</u> recommended for petroleum service.	Green Strip
D	NBR	-29 - +82°C (-20 - +180°F)	Recommended for petroleum products, air with oil vapors, vegetable and mineral oils within the specified temperature range. <u>Not</u> recommended for hot water services.	Orange strip
S	Silicone rubber	-40 - +177°C (-40 - +350°F)	Recommended for high temperature dry air and some high temperature chemical products.	White

Storage:
We suggest to store our products in a closed and dry environment.

Material specification:

Housing: Ductile iron (ASTM A536 GRADE: 64-45-12)
Gaskets: EPDM / NBR / Silicone
Bolts, nuts: Electro zinc plated steel in a silver-chromate colour, Grade 8.8, ISO 898-1

Corrosion resistance:

Painted: RAL3000 red, epoxy coating. Coating thickness: 80-150µm
Hot dip galvanized: Coating thickness: 60-120µm

Installation recommendation:

Please read the technical data sheet and the installation instructions before working with the product! Installers must be trained or experienced in the installation of grooved pipe connection systems.

Never work on pipes under pressure and/or filled with water!

Use the necessary protective equipment to avoid personal injuries (helmet, safety shoes, safety glasses, gloves).



Caution:

Proper torquing of bolts is required to obtain specified performance. Overtorquing the bolts may result in damage to the bolt and/or casting which could result in pipe joint separation. Undertorquing the bolts may result in lower pressure retention capabilities, lower bend load capabilities, joint leakage and pipe joint separation. Pipe joint separation may result in significant property damage and serious injury.

Bolt sizes	M10	M12	M16	M20	M22
Spanner dimension	15	18	24	30	34
Tightening torque	40-60 Nm	110-135 Nm	135-175 Nm	175-245 Nm	245-325 Nm

