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

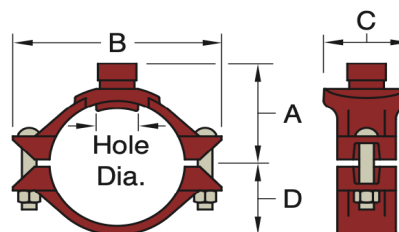
Grooved mechanical tees provide a fast, leak-tight way to create branch connections on grooved steel pipe runs—without welding. The fitting clamps onto the pipe with a gasketed housing, and the grooved outlet delivers a reliable take-off for auxiliary lines. It is suitable for both fireprotection and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

Product photo	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)	D (mm)	Bolt/Nut (mm)	Weight (kg/pc)	Carton quantity (pc)	Remark
	50x25	2*1	60.3x33.7	MTG-2x1-X	300	20	38	114	69	58	38	10*60	0,72	28	EPDM gasket
	50x32	2*1 1/4	60.3x42.4	MTG-2x11/4-X	300	20	46	114	77	66	38	10*60	0,8	28	EPDM gasket
	50x40	2*1 1/2	60.3x48.3	MTG-2x11/2-X	300	20	46	114	77	60	38	10*60	0,81	28	EPDM gasket
	65x25	2 1/2*1	76.1x33.7	MTG-21/2x1-X	300	20	38	130	69	74	47	10*65	0,84	22	EPDM gasket
	65x32	2 1/2*1 1/4	76.1x42.4	MTG-21/2x11/4-X	300	20	46	130	77	74	47	10*65	0,9	22	EPDM gasket
	65x40	2 1/2*1 1/2	76.1x48.3	MTG-21/2x11/2-X	300	20	46	130	77	74	47	10*65	0,92	22	EPDM gasket
	65x50	2 1/2*2	76.1x60.3	MTG-21/2x2-X	300	20	51	130	88	76	47	10*65	1,02	22	EPDM gasket
	80x25	3*1	88.9x33.7	MTG-3x1-X	300	20	38	147	73	74	54	12*75	1,09	18	EPDM gasket
	80x32	3*1 1/4	88.9x42.4	MTG-3x11/4-X	300	20	51	147	87	82	54	12*75	1,14	18	EPDM gasket
	80x40	3*1 1/2	88.9x48.3	MTG-3x11/2-X	300	20	51	147	87	82	54	12*75	1,17	18	EPDM gasket
	80x50	3*2	88.9x60.3	MTG-3x2-X	300	20	64	147	100	82	54	12*75	1,29	14	EPDM gasket
	100x25	4*1	114.3x33.7	MTG-4x1-X	300	20	38	177	73	96	67	12*75	1,27	14	EPDM gasket
	100x32	4*1 1/4	114.3x42.4	MTG-4x11/4-X	300	20	51	177	87	96	67	12*75	1,33	14	EPDM gasket
	100x40	4*1 1/2	114.3x48.3	MTG-4x11/2-X	300	20	51	177	87	96	67	12*75	1,5	14	EPDM gasket
	100x50	4*2	114.3x60.3	MTG-4x2-X	300	20	64	177	102	96	67	12*75	1,47	10	EPDM gasket
	100x65	4*2 1/2	114.3x76.1	MTG-4x21/2-X	300	20	70	177	110	97	67	12*75	1,64	10	EPDM gasket
	100x80	4*3	114.3x88.9	MTG-4x3-X	300	20	86	177	123	98	67	12*75	1,84	9	EPDM gasket
	125x40	5*1 1/2	139.7x48.3	MTG-5x11/2-X	300	20	51	211	89	108	80	16*100	1,98	12	EPDM gasket
	125x50	5*2	139.7x60.3	MTG-5x2-X	300	20	61	211	102	108	79	16*100	2,09	8	EPDM gasket
	125x65	5*2 1/2	139.7x76.1	MTG-5x21/2-X	300	20	81	211	110	108	79	16*100	2,24	8	EPDM gasket
	125x80	5*3	139.7x88.9	MTG-5x3-X	300	20	89	211	130	108	79	16*100	2,45	8	EPDM gasket
	150x25	6*1	168.3x33.7	MTG-6x1-X	300	20	38	239	76	123	93	16*110			EPDM gasket
	150x32	6*1 1/4	168.3x42.4	MTG-6x11/4-X	300	20	51	239	89	111	93	16*110	2,3	6	EPDM gasket
	150x40	6*1 1/2	168.3x48.3	MTG-6x11/2-X	300	20	51	239	89	123	93	16*110	2,32	6	EPDM gasket
	150x50	6*2	168.3x60.3	MTG-6x2-X	300	20	64	239	103	122	93	16*110	2,42	6	EPDM gasket
	150x65	6*2 1/2	168.3x76.1	MTG-6x21/2-X	300	20	70	239	111	122	93	16*110	2,57	6	EPDM gasket
	150x80	6*3	168.3x88.9	MTG-6x3-X	300	20	89	239	131	122	93	16*110	2,75	4	EPDM gasket
	150x100	6*4	168.3x114.3	MTG-6x4-X	300	20	114	239	160	123	93	16*110	3,29	3	EPDM gasket
	200x25	8*1	219.1x33.7	MTG-8x1-X	300	20	38	305	77	150	121	16*110			EPDM gasket
	200x32	8*1 1/4	219.1x42.4	MTG-8x11/4-X	300	20	51	305	90	150	121	16*110			EPDM gasket
	200x40	8*1 1/2	219.1x48.3	MTG-8x11/2-X	300	20	51	305	90	150	121	16*110			EPDM gasket
	200x50	8*2	219.1x60.3	MTG-8x2-X	300	20	64	305	105	150	121	16*110	3,32	4	EPDM gasket
	200x65	8*2 1/2	219.1x76.1	MTG-8x21/2-X	300	20	70	305	115	150	121	16*110	3,43	4	EPDM gasket
	200x80	8*3	219.1x88.9	MTG-8x3-X	300	20	89	305	132	150	121	16*110	3,56	4	EPDM gasket
	200x100	8*4	219.1x114.3	MTG-8x4-X	300	20	114	305	158	155	121	16*110	4,03	3	EPDM gasket

X: Painted = P (PTD), Hot dip galvanized = G (GLV), Dacromet = D (DACR) // Example: MTG-4x3-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. Not 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. Not 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
Dacromet: Coating thickness: 8-18µm. (Resistant to neutral salt spray test for 480h.)

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

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

