



TECHNICAL DATA SHEET

MECHANICAL TEE, THREADED OUTLET (XGQT3S)



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

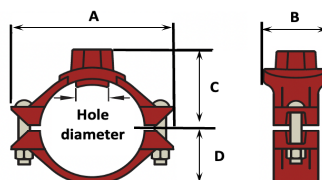
Threaded mechanical tees provide a fast, leak-tight way to create branch connections on grooved steel pipe runs—without welding. The fitting clamps onto the pipe with a gasketed housing, and the threaded outlet delivers a reliable take-off for auxiliary lines. It is suitable for both fireprotection and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

Product 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
	32*25	1 1/4*1	42.4x33.7	MTT-11/4x1-X	300	20	30	99	57	50	28	10*55	0,55	45	EPDM gasket
	40*25	1 1/2*1	48.3x33.7	MTT-11/2x1-X	300	20	30	99,5	57	53	30	10*55	0,55	45	EPDM gasket
	50*15	2*1/2	60.3x21.3	MTT-2x1/2-X	300	20	38	114	70	59	39	10*60	0,7	28	EPDM gasket
	50*20	2*3/4	60.3x26.9	MTT-2x3/4-X	300	20	38	114	70	59	39	10*60	0,7	28	EPDM gasket
	50*25	2*1	60.3x33.7	MTT-2x1-X	300	20	38	114	70	59	39	10*60	0,71	28	EPDM gasket
	50*32	2*1 1/4	60.3x42.4	MTT-2x11/4-X	300	20	46	114	77	59	39	10*60	0,79	28	EPDM gasket
	50*40	2*1 1/2	60.3x48.3	MTT-2x11/2-X	300	20	46	114	77	59	39	10*60	0,8	28	EPDM gasket
	65*15	2 1/2*1/2	76.1x21.3	MTT-21/2x1/2-X	300	20	38	130	70	67	47	10*65	0,81	22	EPDM gasket
	65*20	2 1/2*3/4	76.1x26.9	MTT-21/2x3/4-X	300	20	38	130	70	67	47	10*65	0,83	22	EPDM gasket
	65*25	2 1/2*1	76.1x33.7	MTT-21/2x1-X	300	20	38	130	70	67	47	10*65	0,84	22	EPDM gasket
	65*32	2 1/2*1 1/4	76.1x42.4	MTT-21/2x11/4-X	300	20	46	130	77	69	47	10*65	0,92	22	EPDM gasket
	65*40	2 1/2*1 1/2	76.1x48.3	MTT-21/2x11/2-X	300	20	46	130	77	69	47	10*65	0,95	22	EPDM gasket
	65*50	2 1/2*2	76.1x60.3	MTT-21/2x2-X	300	20	51	130	88	74	47	10*65	1,16	22	EPDM gasket
	80*15	3*1/2	88.9x21.3	MTT-3x1/2-X	300	20	38	148	72	75	54	12*75	1,03	18	EPDM gasket
	80*20	3*3/4	88.9x26.9	MTT-3x3/4-X	300	20	38	148	72	75	54	12*75	1,04	18	EPDM gasket
	80*25	3*1	88.9x33.7	MTT-3x1-X	300	20	38	148	72	75	54	12*75	1,07	18	EPDM gasket
	80*32	3*1 1/4	88.9x42.4	MTT-3x11/4-X	300	20	51	148	87	75	54	12*75	1,16	18	EPDM gasket
	80*40	3*1 1/2	88.9x48.3	MTT-3x11/2-X	300	20	51	148	87	75	54	12*75	1,2	18	EPDM gasket
	80*50	3*2	88.9x60.3	MTT-3x2-X	300	20	64	148	100	79	54	12*75	1,38	14	EPDM gasket
	100*15	4*1/2	114.3x21.3	MTT-4x1/2-X	300	20	38	177	72	87	67	12*75	1,25	14	EPDM gasket
	100*20	4*3/4	114.3x26.9	MTT-4x3/4-X	300	20	38	177	72	87	67	12*75	1,26	14	EPDM gasket
	100*25	4*1	114.3x33.7	MTT-4x1-X	300	20	38	177	72	87	67	12*75	1,28	14	EPDM gasket
	100*32	4*1 1/4	114.3x42.4	MTT-4x11/4-X	300	20	51	177	87	87	67	12*75	1,35	14	EPDM gasket
	100*40	4*1 1/2	114.3x48.3	MTT-4x11/2-X	300	20	51	177	87	87	67	12*75	1,36	12	EPDM gasket
	100*50	4*2	114.3x60.3	MTT-4x2-X	300	20	64	177	102	93	67	12*75	1,56	9	EPDM gasket
	100*65	4*2 1/2	114.3x76.1	MTT-4x21/2-X	300	20	70	177	110	97	67	12*75	1,8	9	EPDM gasket
	100*80	4*3	114.3x88.9	MTT-4x3-X	300	20	86	177	123	98	67	12*75	2,16	9	EPDM gasket
	125*25	5*1	139.7x33.7	MTT-5x1-X	300	20	38	210	75	100	79	16*100	1,9	8	EPDM gasket
	125*32	5*1 1/4	139.7x42.4	MTT-5x11/4-X	300	20	51	210	88	100	79	16*100	1,98	8	EPDM gasket
	125*40	5*1 1/2	139.7x48.3	MTT-5x11/2-X	300	20	51	210	88	100	79	16*100	2	8	EPDM gasket
	125*50	5*2	139.7x60.3	MTT-5x2-X	300	20	64	210	103	105	79	16*100	2,17	7	EPDM gasket
	125*65	5*2 1/2	139.7x76.1	MTT-5x21/2-X	300	20	70	210	110	111	79	16*100	2,41	7	EPDM gasket
	125*80	5*3	139.7x88.9	MTT-5x3-X	300	20	89	210	131	114	79	16*100	2,66	7	EPDM gasket
	150*25	6*1	168.3x33.7	MTT-6x1-X	300	20	38	239	76	120	93	16*110	2,22	6	EPDM gasket
	150*32	6*1 1/4	168.3x42.4	MTT-6x11/4-X	300	20	51	239	89	120	93	16*110	2,31	6	EPDM gasket
	150*40	6*1 1/2	168.3x48.3	MTT-6x11/2-X	300	20	51	239	89	120	93	16*110	2,32	6	EPDM gasket
	150*50	6*2	168.3x60.3	MTT-6x2-X	300	20	64	239	103	120	93	16*110	2,5	4	EPDM gasket
	150*65	6*2 1/2	168.3x76.1	MTT-6x21/2-X	300	20	70	239	111	125	93	16*110	2,71	4	EPDM gasket
	150*80	6*3	168.3x88.9	MTT-6x3-X	300	20	89	239	131	125	93	16*110	3	4	EPDM gasket
	150*100	6*4	168.3x114.3	MTT-6x4-X	300	20	114	239	160	125	93	16*110	3,77	3	EPDM gasket
	200*25	8*1	219.1x33.7	MTT-8x1-X	300	20	38	303	81	148	121	16*110	3,11	4	EPDM gasket
	200*32	8*1 1/4	219.1x42.4	MTT-8x11/4-X	300	20	51	303	93	148	121	16*110	3,17	4	EPDM gasket
	200*40	8*1 1/2	219.1x48.3	MTT-8x11/2-X	300	20	51	303	93	148	121	16*110	3,23	4	EPDM gasket
	200*50	8*2	219.1x60.3	MTT-8x2-X	300	20	64	303	110	148	121	16*110	3,4	4	EPDM gasket
	200*65	8*2 1/2	219.1x76.1	MTT-8x21/2-X	300	20	70	303	118	155	121	16*110	3,7	4	EPDM gasket
	200*80	8*3	219.1x88.9	MTT-8x3-X	300	20	89	303	138	155	121	16*110	3,81	4	EPDM gasket
	200*100	8*4	219.1x114.3	MTT-8x4-X	300	20	114	303	165	155	121	16*110	4,3	4	EPDM gasket
	250*25	10*1	273*33.7	MTT-10x1-X	300	20	38	362	75	164	142	20*140			EPDM gasket

X: Painted = P (PTD), Hot dip galvanized = G (GLV), Dacromet = D (DACR) // Example: MTT-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

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.

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).



Never

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



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