

GROOVED MECHANICAL TEE



DESCRIPTION

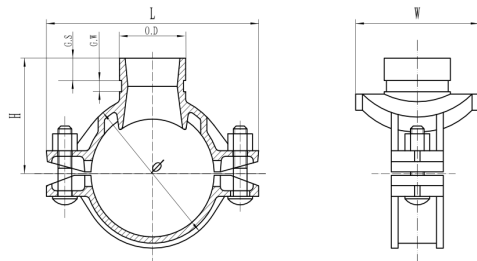
Grooved mechanical tees may be used for any tee connection where a grooved outlet is headed. They may be converted into a cross when necessary.

Sizes available: 2 x 1¼" - 8 x 3"
Working pressure: 300 PSI / 2068 Kpa

MATERIAL SPECIFICATIONS

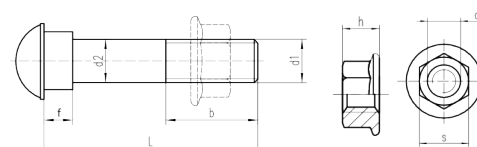
- **Housing:**
Ductile iron conform to ASTM A536
- **Coating:**
 - Galvanized
 - Red paint coating: RAL 3000
- **Rubber gasket:**
EPDM gaskets dispose of the international certifications and have undergone the aging test at 110°C (230°F) during a period of 45 days (1080 hours) and the frozen test at -40°C (-40°F) during a period of 4 days (96 hours).
Working temperature gaskets: -34°C to 110°C (-29°F to 230°F).
- **Bolts and Nuts:**
Medium carbon steel, threaded BSPT, zinc electroplated, quenched and tempered.

DIMENSIONS



BOLTS AND NUTS

	DN 25	DN 32-40	DN 50	DN 65-80-100	DN 125-150	DN 150	DN 200
d1	M10	M10	M10	M10	M12	M14	M16
d2	9	9	9	9	11	12	15
b	31	32	38	38	41	48	47
f	5	5	5	5	6	4	8
Lg	40	55	60	60	70	85	85



d1	M10	M12	M14	M16
h	10	12	13	15
s	15	18	21	24

Reference		Size	O.D.	DN	Nominal Dimensions						Hole Cut	Bolt size	Nuts	Socket wrench	Bolt Torque	Weight
Red	Galva	Inch	mm	mm	L mm	H mm	W mm	Ø mm	G.W mm	G.S mm	mm	(d1 x L)	mm	mm	N*M	Kg
GMGR	GMGG	2 - 1¼	60,3 x 42,4	50-32	120	70	83	85	7,93	15,88	46+1	M10*50	21,8	15	60-70	0,73
GMGR	GMGG	2 - 1½	60,3 x 48,3	50-40	120	70	83	85	7,93	15,88	46+1	M10*50	21,8	15	60-70	0,82
GMGR	GMGG	2½ - 1¼	76,1 x 42,4	65-32	139	73	83	100	7,93	15,88	46+1	M10*60	21,8	15	60-70	0,97
GMGR	GMGG	2½ - 1½	76,1 x 78,3	65-40	139	75	90	100	7,93	15,88	53+1	M10*60	21,8	15	60-70	1,03
GMGR	GMGG	3 - 1¼	88,9 x 42,4	80-32	155	82	83	113	7,93	15,88	46+1	M10*60	21,8	15	60-70	0,99
GMGR	GMGG	3 - 1½	88,9 x 48,3	80-40	155	82	90	113	7,93	15,88	53+1	M10*60	21,8	15	60-70	1,03
GMGR	GMGG	3 - 2	88,9 x 60,3	80-50	155	82	100	113	7,93	15,88	64+1	M10*60	21,8	15	60-70	1,23
GMGR	GMGG	4 - 1¼	114,3 x 42,4	100-32	181	95	83	140	7,93	15,88	46+1	M12*70	26,0	18	90-100	1,26
GMGR	GMGG	4 - 1½	114,3 x 48,3	100-40	181	95	90	140	7,93	15,88	53+1	M12*70	26,0	18	90-100	1,40
GMGR	GMGG	4 - 2	114,3 x 60,3	100-50	181	95	100	140	7,93	15,88	64+1	M12*70	26,0	18	90-100	1,61
GMGR	GMGG	4 - 2½	114,3 x 76,1	100-65	181	95	117	140	7,93	15,88	80+1	M12*70	26,0	18	90-100	1,85
GMGR	GMGG	4 - 3	114,3 x 88,9	100-80	181	95	129	140	7,93	15,88	92+1	M12*70	26,0	18	90-100	2,01
GMGR	GMGG	5 - 2	139,7 x 60,3	125-50	212	109	100	167	7,93	15,88	64+1	M12*75	26,0	18	90-100	2,04
GMGR	GMGG	5 - 2½	139,7 x 76,1	125-65	212	109	117	167	7,93	15,88	80+1	M12*75	26,0	18	90-100	2,26
GMGR	GMGG	6 - 1¼	168,3 x 42,4	150-32	248	121	72	194	7,93	15,88	46+1	M16*85	34,5	24	200-230	2,58
GMGR	GMGG	6 - 1½	168,3 x 48,3	150-40	248	121	79	194	7,93	15,88	53+1	M16*85	34,5	24	200-230	2,58
GMGR	GMGG	6 - 2	168,3 x 60,3	150-50	239	121	100	196	7,93	15,88	64+1	M14*85	28,0	21	135-150	2,19
GMGR	GMGG	6 - 2½	168,3 x 76,1	150-65	239	121	117	196	7,93	15,88	80+1	M14*85	28,0	21	135-150	2,58
GMGR	GMGG	6 - 3	168,3 x 88,9	150-80	239	121	129	196	7,93	15,88	92+1	M14*85	28,0	21	135-150	2,73
GMGR	GMGG	6 - 4	168,3 x 114,3	150-100	239	122	153	196	9,53	15,88	111+1	M14*85	28,0	21	135-150	3,52
GMGR	GMGG	8 - 2½	219,1 x 76,1	200-65	311	147	117	248	7,93	15,88	80+1	M16*85	34,5	24	200-230	3,46
GMGR	GMGG	8 - 3	219,1 x 88,3	200-80	311	147	129	248	7,93	15,88	92+1	M16*85	34,5	24	200-230	3,89

General notes:

- Pressure ratings listed are CWP (cold working pressure) or maximum working pressure within the service temperature range of the gasket used in the coupling. This rating may occasionally differ from maximum working pressure listed and/or approved by UL and/or FM, as testing conditions and test pipes differ. For more information, please contact info@profitings.eu.
- Maximum working pressure and end loads listed are total of internal and external pressures and loads, based on standard weight (ANSI) steel pipe and standard roll or cut groove, in accordance with Profit specifications. For more information, please contact info@profitings.eu.
- For one time field test only, the maximum joint working pressure may be increased one and a half times the figure shown.
- **Warning:** Piping systems must always be depressurized and drained before attempting disassembly and/or removal of any components.
- Profit reserves the right to change specifications, designs and/or standard equipment without notice and without incurring in any obligations.