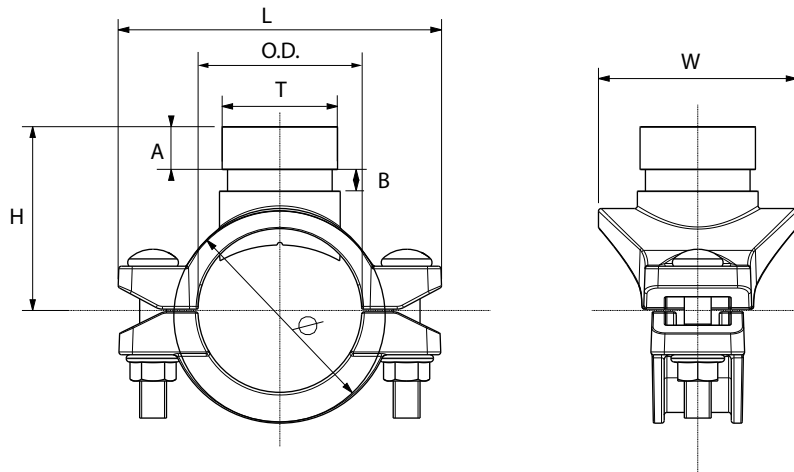




Mechanical tees with grooved outlet can be used for any tee connection where a grooved outlet is needed. They may be converted into a cross when necessary.



Material specifications

Housing: ductile iron conform to ASTM A536 GR65-45-12

Coating

- Hot dip galvanized
- Red paint coating RAL 3000, EPD Epoxy coating

Rubber gasket: EPDM gaskets dispose of the international certifications and have undergone the aging test at 110C/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.

Bolts and nuts: see technical datasheet bolts and nuts

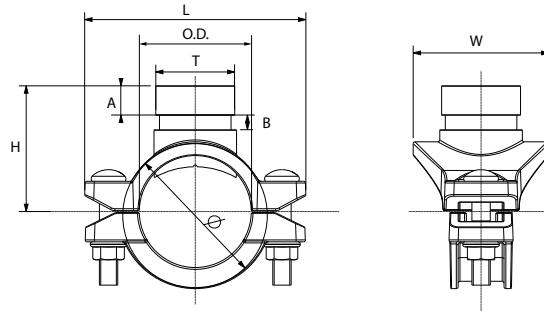
Working pressure

300 PSI/2068 kPa

General notes:

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- We advise to always store our products in closed and dry environments.

MECHANICAL TEE GROOVED OUTLET GMG



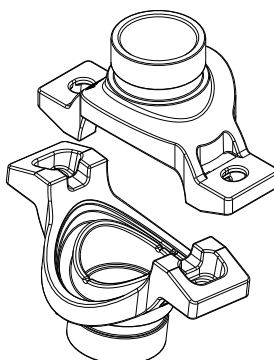
Reference		Nominal size Run - reducing outlet		Pipe Ø O.D. - T	Grooved mechanical tee dimensions						Working pressure	Hole cut*	Bolt size	Socket wrench	Bolt torque	Weight	Marking
Red	Galva	NPS inch	DN mm	mm	Ø mm	L mm	H mm	W mm	A mm	B mm	PSI	mm	d1xL	mm	Nm	kg	
GMGR	GMGG	2 - 1	50-25	60,3 - 33,7	85	120	69	70	15,9	7,9	300	46+1	M10x50	15	75-80	0,90 ³⁾	GMG
GMGR	GMGG	2 - 1¼	50-32	60,3 - 42,4	85	120	69	70	15,9	7,9	300	46+1	M10x50	15	44-54	0,91	GMG
GMGR	GMGG	2 - 1½	50-40	60,3 - 48,3	85	120	69	70	15,9	7,9	300	46+1	M10x50	15	44-54	0,94	GMG
GMGR	GMGG	2½ - 1	65-25	76,1 - 33,7	96	139	76	70	15,9	7,9	300	46+1	M10x60	15	44-54	1,00 ¹⁾	GMG
GMGR	GMGG	2½ - 1¼	65-32	73,0 - 42,4	96	139	74	73	15,9	7,9	300	46+1	M10x60	15	44-54	1,00	GMG
GMGR	GMGG	2½ - 1½	65-40	73,0 - 48,3	96	139	74	75	15,9	7,9	300	53+1	M10x60	15	44-54	1,10	GMG
GMGR	GMGG	2½ - 1¾	65-32	76,1 - 42,4	99	139	76	74	15,9	7,9	300	46+1	M10x60	15	44-54	1,02	GMG
GMGR	GMGG	2½ - 1½	65-40	76,1 - 48,3	99	139	77	82	15,9	7,9	300	53+1	M10x60	15	44-54	1,07	GMG
GMGR	GMGG	2½ - 2	65-50	76,1 - 60,3	99	139	77	82	15,9	7,9	300	53+1	M10x60	15	44-54	1,18 ¹⁾	GMG
GMGR	GMGG	3 - 1	80-25	88,9 - 33,7	113	155	85	82	15,9	7,9	300	38+1	M10x60	15	44-54	1,14 ¹⁾	GMG
GMGR	GMGG	3 - 1¼	80-32	88,9 - 42,4	113	155	85	95,5	15,9	7,9	300	46+1	M10x60	15	44-54	1,12	GMG
GMGR	GMGG	3 - 1½	80-40	88,9 - 48,3	113	155	85	95,5	15,9	7,9	300	53+1	M10x60	15	44-54	1,14	GMG
GMGR	GMGG	3 - 2	80-50	88,9 - 60,3	113	155	85	95,5	15,9	7,9	300	64+1	M10x60	15	44-54	1,35	GMG
GMGR	GMGG	4 - 2	100-50	108 - 60,3	132	172	95,5	99	15,9	7,9	300	64+1	M12x70	18	90-100	1,55 ²⁾	GMG
GMGR	GMGG	4 - 1	100-25	114,3 - 33,7	139	181	97,5	96	15,9	7,9	300	38+1	M12x70	18	90-100	1,48 ¹⁾	GMG
GMGR	GMGG	4 - 1¼	100-32	114,3 - 42,4	139	181	97,5	110	15,9	7,9	300	46+1	M12x70	18	90-100	1,37	GMG
GMGR	GMGG	4 - 1½	100-40	114,3 - 48,3	139	181	97,5	113	15,9	7,9	300	53+1	M12x70	18	90-100	1,41	GMG
GMGR	GMGG	4 - 2	100-50	114,3 - 60,3	139	181	97,5	125	15,9	7,9	300	64+1	M12x70	18	90-100	1,53	GMG
GMGR	GMGG	4 - 2½	100-65	114,3 - 73,0	139	181	98	125	15,9	7,9	300	70+1	M12x70	18	90-100	1,85	GMG
GMGR	GMGG	4 - 2½	100-65	114,3 - 76,1	139	181	98	126	15,9	7,9	300	70+1	M12x70	18	90-100	1,86	GMG
GMGR	GMGG	4 - 3	100-80	114,3 - 88,9	139	181	95	127	15,9	7,9	232	89+1	M12x70	18	90-100	2,04 ¹⁾	GMG
GMGR	GMGG	5 - 1½	125-40	139,7 - 48,3	167	212	110	127	15,9	7,9	300	53+1	M12x75	18	90-100	2,00	GMG
GMGR	GMGG	5 - 2	125-50	139,7 - 60,3	167	212	110	127	15,9	7,9	300	64+1	M12x75	18	90-100	1,96	GMG
GMGR	GMGG	5 - 2½	125-65	139,7 - 73,0	168	219	112	154	15,9	7,9	300	70+1	M16x85	24	200-230	2,30	GMG
GMGR	GMGG	5 - 2½	125-65	139,7 - 76,1	168	219	112	154	15,9	7,9	300	70+1	M16x85	14	200-230	2,44 ²⁾	GMG
GMGR	GMGG	5 - 3	125-80	139,7 - 88,9	168	219	112	136	15,9	7,9	300	89+1	M16x85	24	200-230	3,24 ²⁾	GMG
GMGR	GMGG	5 - 1½	125-40	141,3 - 48,3	167	212	110	82	15,9	7,9	300	53+1	M12x75	18	90-100	2,00	GMG
GMGR	GMGG	5 - 2	125-50	141,3 - 60,3	167	212	110	93	15,9	7,9	300	64+1	M12x75	18	90-100	2,80	GMG
GMGR	GMGG	5 - 2½	125-65	141,3 - 73,0	168	219	112	117	15,9	7,9	300	70+1	M16x85	24	200-230	2,45 ¹⁾	GMG
GMGR	GMGG	5 - 2½	125-65	141,3 - 76,1	168	219	112	117	15,9	7,9	300	70+1	M16x85	24	200-230	2,45 ²⁾	GMG
GMGR	GMGG	5 - 3	125-80	141,3 - 88,9	168	219	112	136	15,9	7,9	300	89+1	M16x85	24	200-230	3,24 ²⁾	GMG
GMGR	GMGG	6 - 2	150-50	159,0 - 60,3	184	236	120,5	93	15,9	7,9	300	64+1	M16x85	24	200-230	2,67 ²⁾	GMG
GMGR	GMGG	6 - 2	150-50	165,1 - 60,3	191	248	125	93	15,9	7,9	300	64+1	M16x85	24	200-230	2,59	GMG
GMGR	GMGG	6 - 2½	150-65	165,1 - 73,0	191	248	125	117	15,9	7,9	300	70+1	M16x85	24	200-230	2,93 ²⁾	GMG
GMGR	GMGG	6 - 2½	150-65	165,1 - 76,1	191	248	125	117	15,9	7,9	300	70+1	M16x85	24	200-230	2,93	GMG
GMGR	GMGG	6 - 3	150-80	165,1 - 88,9	191	248	125	137	15,9	7,9	300	89+1	M16x85	24	200-230	2,76 ²⁾	GMG
GMGR	GMGG	6 - 4	150-100	165,1 - 114,3	191	248	129	162	15,9	7,9	232	114+1	M16x85	24	200-230	3,52 ²⁾	GMG
GMGR	GMGG	6 - 1¼	150-32	168,3 - 42,4	194	248	124	73	15,9	7,9	300	46+1	M16x85	24	200-230	2,51	GMG
GMGR	GMGG	6 - 1½	150-40	168,3 - 48,3	194	248	124	80	15,9	7,9	300	53+1	M16x85	24	200-230	2,53	GMG

Reference		Nominal size Run - reducing outlet		Pipe Ø O.D. - T	Grooved mechanical tee dimensions						Working pressure	Hole cut*	Bolt size	Socket wrench	Bolt torque	Weight	Marking
Red	Galva	NPS inch	DN mm	mm	Ø mm	L mm	H mm	W mm	A mm	B mm	PSI	mm	d1xL	mm	Nm	kg	
GMGR	GMGG	6 - 2	150-50	168,3 - 60,3	194	248	125	91	15,9	7,9	300	64+1	M16x85	24	200-230	2,54	GMG
GMGR	GMGG	6 - 2½	150-65	168,3 - 73,0	194	248	126	117	15,9	7,9	300	70+1	M16x85	24	200-230	2,82	GMG
GMGR	GMGG	6 - 2½	150-65	168,3 - 76,1	194	248	126	117	15,9	7,9	300	70+1	M16x85	24	200-230	2,87	GMG
GMGR	GMGG	6 - 3	150-80	168,3 - 88,9	194	248	126	136	15,9	7,9	232	89+1	M16x85	24	200-230	3,00	GMG
GMGR	GMGG	6 - 4	150-100	168,3 - 114,3	194	248	129	162	15,9	9,5	232	114+1	M16x85	24	200-230	3,47	GMG
GMGR	GMGG	8 - 2	200-50	219,1 - 60,3	248	311	152	93	15,9	7,9	300	64+1	M16x85	24	200-230	3,47 ¹⁾	GMG
GMGR	GMGG	8 - 2½	200-65	219,1 - 73,0	248	322	154	117	15,9	7,9	300	70+1	M20x90	30	270-300	4,56	GMG
GMGR	GMGG	8 - 2½	200-65	219,1 - 76,1	248	322	154	117	15,9	7,9	300	70+1	M20x90	24	200-230	3,93	GMG
GMGR	GMGG	8 - 3	200-80	219,1 - 88,9	248	322	154	136	15,9	7,9	300	89+1	M20x90	24	200-230	4,13	GMG
GMGR	GMGG	8 - 4	200-100	219,1 - 114,3	248	322	154	162	15,9	7,9	300	114+1	M20x90	30	270-300	5,30 ³⁾	GMG

LABEL EXAMPLE

Mechanical tee	
GMG (Grooved)	
4-21/2	5-21/2
6-21/2	8-21/2
Hole cut dimension	
70(+1mm)	

- * Please note that the **correct hole cut dimension** is mentioned:
- on the label which is attached to the product itself
 - on the document called 'Hole cut dimensions', which is added to each delivery from our warehouse Piping Logistics, Belgium. This document is attached to the outside of the first box in a plastic pouch with reference 'Documents enclosed'



Mechanical cross** conversion				
	Main pipe diameter		Maximum outlet mechanical cross	
Inch	DN	OD	DN	OD
2,5	65	76,1	32	42,4
3	80	88,9	40	48,3
4	100	114,3	50	60,3
5	125	139,7	65	76,1
6	150	168,3	80	88,9
8	200	219,1	100	114,3

**Mechanical cross not FM and UL certified.

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