

FIG. MT-8 Threaded Mechanical Branch Tee



Mechanical branch connections for reducing branch outlets without welding. The MT-8 is a bolted saddle type fitting with BSP female threaded outlets. Design assures superior sealing, full pipe support, excellent stability and easy installation.

For the latest UL/ULC listed, LPCB, VdS and FM Approved pressure ratings versus pipe schedule, see www.anvilintl.com or contact your local Anvil Representative.



For Listings/Approval Details and Limitations, visit our website at www.anvilintl.com or contact an Anvil® Sales Representative.

MATERIAL SPECIFICATIONS

HOUSING:

Ductile Iron conforming to ASTM A-536, Grade 65-45-12

ANSI BOLTS & HEAVY HEX NUTS:

Heat treated, oval-neck track head bolts conforming to ASTM A-183 Grade 2 with a minimum tensile strength of 110,000 psi and heavy hex nuts of carbon steel conforming to ASTM A-563 Grade A or Grade B, or SAE J995 Grade 2. Bolts and nuts are provided zinc electroplated as standard.

METRIC BOLTS & HEAVY HEX NUTS:

Heat treated, zinc electroplated oval-neck track head bolts made of carbon steel with mechanical properties per ISO 898-1 Class 8.8. Hex nuts and bolts are zinc electroplated followed by a yellow chromate dip.

COATINGS:

- Rust inhibiting paint Color: ORANGE (standard)
 - Hot Dipped Zinc Galvanized (optional)
 - Other available options: Example: RAL3000 or RAL9000 Series
- For other coating requirements contact an Anvil Representative.

LUBRICATION:

- Standard Gruvlok
- Gruvlok Xtreme™ required for dry pipe systems and freezer applications.

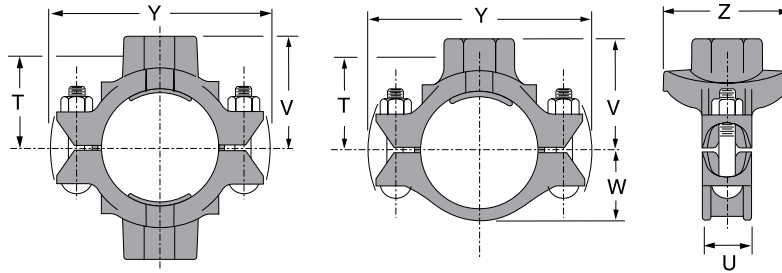
GASKETS: Materials

Properties as designated in accordance with ASTM D-2000.

- Grade "E" EPDM (Green color code)
-40°F to 230°F (Service Temperature Range)(-40°C to 110°C)
Recommended for water service, diluted acids, alkalies solutions, oil-free air and many chemical services.
NOT FOR USE IN PETROLEUM APPLICATIONS.

PROJECT INFORMATION		APPROVAL STAMP	
Project:		<input type="checkbox"/> Approved	
Address:		<input type="checkbox"/> Approved as noted	
Contractor:		<input type="checkbox"/> Not approved	
Engineer:		Remarks:	
Submittal Date:			
Notes 1:			
Notes 2:			

FIG. MT-8 Threaded Mechanical Branch Tee



MT-8 BSP THREADED MECHANICAL BRANCH TEE

Nominal Size	O.D.	Hole Dimensions		Max. Working Pressure ▲	Dimensions						Bolt Size	Approx. Wt. Ea.
		Min. Diameter	Max. Diameter		T	U	V	W	Y	Z		
In./DN(mm)	In./mm	In./mm	In./mm	PSI/bar	In./mm	In./mm	In./mm	In./mm	In./mm	In./mm	In./mm	Lbs./Kg
2 x 1 50 x 25	2.375 x 1.315 60.3 x 33.7	1½ 38	1⅝ 41	500 34.5	1⅜ 50	1½ 38	2⅝ 67	1⅞ 40	4⅝ 117	2½ 63	¾ x 2	1.7 0.8
2 x 1¼ 50 x 32	2.375 x 1.660 60.3 x 42.4	1¾ 44	1⅞ 48	500 34.5	1⅜ 49	1½ 38	2⅝ 67	1⅞ 40	4⅝ 117	2½ 63	¾ x 2	1.7 0.8
2 x 1½ 50 x 40	2.375 x 1.900 60.3 x 48.3	1¾ 44	1⅞ 48	500 34.5	1⅜ 49	1½ 38	2⅝ 67	1⅞ 40	4⅝ 117	2⅞ 73	¾ x 2	1.7 0.8
2½ x 1 65 x 25	2.875 x 1.315 73.0 x 42.2	1½ 38	1⅝ 41	500 34.5	2⅞ 62	1⅞ 48	3 76	1⅜ 46	5⅞ 141	3⅞ 86	½ x 2¾	3.6 1.6
2½ x 1¼ 65 x 32	2.875 x 1.660 73.0 x 48.3	2 51	2⅞ 54	500 34.5	2⅞ 62	1⅞ 48	3 76	1⅜ 46	5⅞ 141	3⅞ 86	½ x 2¾	3.6 1.6
2½ x 1½ 65 x 40	2.875 x 1.900 73.0 x 48.3	2 51	2⅞ 54	500 34.5	2⅞ 62	1⅞ 48	3 76	1⅜ 46	5⅞ 141	3⅞ 86	½ x 2¾	3.6 1.6
3 O.D. x 1 76.1 x 25	2.996 x 1.315 76.1 x 33.7	1½ 38	1⅝ 41	500 34.5	2⅞ 62	2 51	3⅞ 81	1⅞ 48	5⅞ 145	3⅞ 86	½ x 2¾	3.6 1.6
3 O.D. x 1¼ 76.1 x 32	2.996 x 1.660 76.1 x 42.4	2 51	2⅞ 54	500 34.5	2⅞ 62	2 51	3⅞ 81	1⅞ 48	5⅞ 145	3⅞ 86	½ x 2¾	3.6 1.6
3 O.D. x 1½ 76.1 x 40	2.996 x 1.900 76.1 x 48.3	2 51	2⅞ 54	500 34.5	2⅞ 62	2 51	3⅞ 81	1⅞ 48	5⅞ 145	3⅞ 86	½ x 2¾	3.6 1.6
3 x 1 80 x 25	3.500 x 1.315 88.9 x 33.7	1½ 38	1⅝ 41	500 34.5	2¾ 71	2 51	3⅞ 87	2⅞ 55	6¼ 159	3⅞ 99	½ x 2¾	3.8 1.7
3 x 1¼ 80 x 32	3.500 x 1.660 88.9 x 42.4	2 51	2⅞ 54	500 34.5	2¾ 70	2 51	3⅞ 87	2⅞ 55	6¼ 159	3⅞ 99	½ x 2¾	3.8 1.7
3 x 1½ 80 x 40	3.500 x 1.900 88.9 x 48.3	2 51	2⅞ 54	500 34.5	2¾ 70	2 51	3⅞ 87	2⅞ 55	6¼ 159	3⅞ 99	½ x 2¾	3.8 1.7
3 x 2 80 x 50	3.500 x 2.375 88.9 x 60.3	2½ 64	2⅞ 67	500 34.5	2¾ 70	2 51	3⅞ 87	2⅞ 55	6¼ 159	3⅞ 99	½ x 2¾	4.4 2.0
4 x 1 100 x 25	4.500 x 1.315 114.3 x 33.7	1½ 38	1⅝ 41	500 34.5	3⅞ 85	2 51	4 102	2⅞ 67	7¼ 184	3⅞ 97	½ x 2¾	4.6 2.1
4 x 1¼ 100 x 32	4.500 x 1.660 114.3 x 42.4	2 51	2⅞ 54	500 34.5	3⅞ 84	2 51	4 102	2⅞ 67	7¼ 184	3⅞ 97	½ x 2¾	4.6 2.1
4 x 1½ 100 x 40	4.500 x 1.900 114.3 x 48.3	2 51	2⅞ 54	500 34.5	3⅞ 84	2 51	4 102	2⅞ 67	7¼ 184	3⅞ 97	½ x 2¾	4.6 2.1
4 x 2 100 x 50	4.500 x 2.375 114.3 x 60.3	2½ 64	2⅞ 67	500 34.5	3⅞ 84	2 51	4 102	2⅞ 67	7¼ 184	4½ 115	½ x 2¾	4.8 2.2
4 x 3 O.D. 100 x 76.1	4.500 x 2.996 114.3 x 76.1	2¾ 70	2⅞ 73	500 34.5	3⅞ 78	2 51	4 102	2⅞ 67	7¼ 184	4½ 115	½ x 2¾	5.0 2.3
4 x 3 100 x 80	4.500 x 3.500 114.3 x 88.9	3½ 89	3⅞ 92	500 34.5	3 76	2 51	4 102	2⅞ 67	7¼ 184	5⅞ 130	½ x 2¾	5.4 2.4
5 x 2 125 x 50	5.563 x 2.375 141.3 x 60.3	2½ 64	2⅞ 67	500 34.5	4⅞ 103	2¼ 57	4⅞ 117	3⅞ 94	8⅞ 213	4½ 115	⅝ x 4	6.0 2.7

All sizes may be used as mechanical crosses.

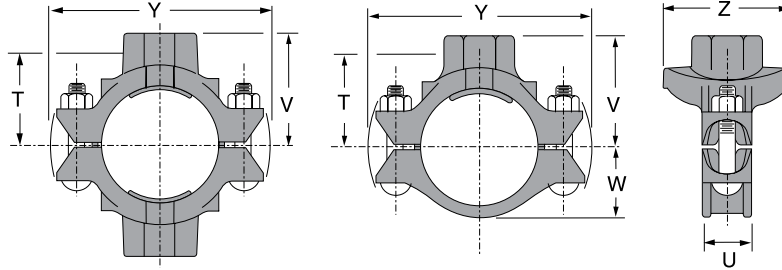
Threads are British Standard Parallel (BSP) per BS-21.

▲ – Working Pressure Ratings are for reference only and based on Sch. 40 pipe. For the latest UL/UIC, FM, VdS and LPCB pressure ratings versus pipe schedule, please visit anvilintl.com or contact your local Anvil Representative.



For dry pipe systems and freezer applications lubrication of the gasket is required, Gruvlok® Xtreme™ Lubricant is required.

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Nominal Size	O.D.	Hole Dimensions		Max. Working Pressure ▲	Dimensions						Bolt Size	Approx. Wt. Ea.	
		Min. Diameter	Max. Diameter		T	U	V	W	Y	Z			
In./DN(mm)	In./mm	In./mm	In./mm	PSI/bar	In./mm	In./mm	In./mm	In./mm	In./mm	In./mm	In./mm	In./mm	Lbs./Kg
5½ O.D. x 2 139.7 x 50	5.500 x 2.375 139.7 x 60.3	2½ 64	2½ 67	500 34.5	3¾ 95	2¼ 57	4½ 117	3⅞ 81	8½ 213	4½ 114	¾ x 4	7.9 3.6	
5½ O.D. x 3 O.D. 139.7 x 76.1	5.500 x 2.996 139.7 x 76.1	2¾ 70	2½ 73	500 34.5	3¾ 95	2¼ 57	4½ 117	3⅞ 81	8½ 213	4½ 114	¾ x 4	7.9 3.6	
5½ O.D. x 3 139.7 x 88.9	5.500 x 3.500 139.7 x 88.9	3½ 89	3½ 92	500 34.5	3¾ 95	2¼ 57	4½ 124	3⅞ 81	8½ 213	5½ 130	¾ x 4	7.9 3.6	
6 x 1¼ 150 x 32	6.625 x 1.660 168.3 x 42.2	2 51	2½ 54	500 34.5	3⅞ 97	2¼ 57	4½ 124	3⅞ 94	9½ 238	3½ 98	¾ x 4	7.9 3.6	
6 x 1½ 150 x 40	6.625 x 1.900 168.3 x 48.3	2 51	2½ 54	500 34.5	4⅞ 113	2¼ 57	5½ 130	3⅞ 94	9½ 238	3½ 98	¾ x 4	8.0 3.6	
6 x 2 150 x 50	6.625 x 2.375 168.3 x 60.3	2½ 64	2½ 67	500 34.5	4⅞ 112	2¼ 57	5½ 130	3⅞ 94	9½ 238	4½ 112	¾ x 4	8.0 3.6	
6 x 3 O.D. 150 x 76.1	6.625 x 2.996 168.3 x 76.1	2¾ 70	2½ 73	500 34.5	4⅞ 106	2¼ 57	5½ 130	3⅞ 94	9½ 238	4½ 112	¾ x 4	9.6 4.4	
6 x 3 150 x 80	6.625 x 3.500 168.3 x 88.9	3½ 89	3½ 92	500 34.5	4⅞ 105	2¼ 57	5½ 130	3⅞ 94	9½ 238	5½ 143	¾ x 4	9.7 4.4	
6½ O.D. x 1¼ 165.1 x 32	6.500 x 1.660 165.1 x 42.2	2 51	2½ 54	500 34.5	4 102	2¼ 57	4½ 121	3⅞ 93	9½ 235	3½ 98	¾ x 4	9.6 4.4	
6½ O.D. x 1½ 165.1 x 40	6.500 x 1.900 165.1 x 48.3	2 51	2½ 54	500 34.5	4⅞ 110	2¼ 57	5½ 129	3⅞ 93	9½ 235	3½ 98	¾ x 4	9.4 4.3	
6½ O.D. x 2 165.1 x 50	6.500 x 2.375 165.1 x 60.3	2½ 64	2½ 67	500 34.5	4⅞ 110	2¼ 57	5½ 129	3⅞ 93	9½ 235	4½ 112	¾ x 4	12.6 5.7	
6½ O.D. x 3 O.D. 165.1 x 80	6.500 x 3.500 165.1 x 88.9	3½ 89	3½ 92	500 34.5	4½ 114	2¼ 57	5½ 130	3⅞ 93	9½ 235	5½ 143	¾ x 4	9.6 4.4	
8 x 2 200 x 50	8.625 x 2.375 219.1 x 60.3	2½ 64	2½ 67	500 34.5	5⅞ 138	2½ 64	6½ 156	4⅞ 124	12½ 314	4½ 112	¾ x 4¼	10.2 4.6	
8 O.D. x 3 O.D. 200 x 76.1	8.625 x 2.996 219.1 x 76.1	2¾ 70	2½ 73	500 34.5	5⅞ 138	2½ 64	6½ 156	4⅞ 124	12½ 314	4½ 112	¾ x 4¼	10.6 4.8	

All sizes may be used as mechanical crosses.

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