FIG. MT-1 Threaded Mechanical Branch Tee

Mechanical branch connections for reducing branch outlets without welding. The MT-1 is a bolted saddle type fitting with NPT 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.

c UL us LISTED FM APPROVED LPCB VdS

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.

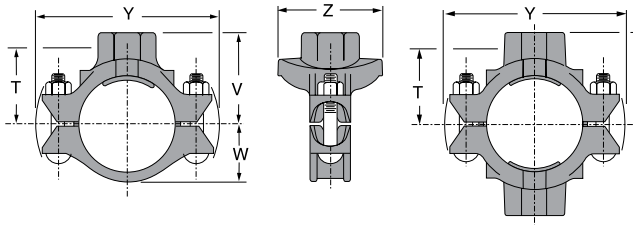
LUBRICATION:
☐ Standard Gruvlok
☐ Gruvlok Xtreme™ required for dry pipe systems and freezer applications.

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:	☐ **Approved**
Address:	☐ **Approved as noted**
Contractor:	☐ **Not approved**
Engineer:	**Remarks:**
Submittal Date:	
Notes 1:	
Notes 2:	

FIG. MT-1 Threaded Mechanical Branch Tee



MT-1 THREADED MECHANICAL BRANCH TEE

Nominal Size	O.D.	Hole Dimensions		Max. Working Pressure▲	Dimensions					Bolt Size	Approx. Wt. Ea.
		Min. Diameter	Max. Diameter		T	V Threaded	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*	*Lbs./Kg*
2 x 1 *50 x 25*	2.375 x 1.315 *60.3 x 33.7*	1½ *38*	1⅝ *41*	300 *20.7*	1 15/16 *50*	2⅝ *67*	1 9/16 *40*	4⅝ *117*	2½ *63*	⅜ 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*	300 *20.7*	1 15/16 *49*	2⅝ *67*	1 9/16 *40*	4⅝ *117*	2½ *63*	⅜ 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*	300 *20.7*	1 15/16 *49*	2⅝ *67*	1 9/16 *40*	4⅝ *117*	2⅞ *73*	⅜ x 2	1.7 *0.8*
2½ x 1 *65 x 25*	2.875 x 1.315 *73.0 x 33.7*	1½ *38*	1⅝ *41*	300 *20.7*	2 7/16 *62*	3⅛ *79*	1 13/16 *46*	5 9/16 *141*	3⅜ *86*	½ x 2¾	3.6 *1.6*
2½ x 1¼ *65 x 32*	2.875 x 1.660 *73.0 x 42.4*	2 *51*	2⅛ *54*	300 *20.7*	2 7/16 *62*	3⅛ *79*	1 13/16 *46*	5 9/16 *141*	3⅜ *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*	2⅛ *54*	300 *20.7*	2 7/16 *62*	3⅛ *79*	1 13/16 *46*	5 9/16 *141*	3⅜ *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*	300 *20.7*	2¾ *71*	3 7/16 *87*	2⅛ *55*	6¼ *159*	3 15/16 *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*	2⅛ *54*	300 *20.7*	2¾ *70*	3 7/16 *87*	2⅛ *55*	6¼ *159*	3 15/16 *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*	2⅛ *54*	300 *20.7*	2¾ *70*	3 7/16 *87*	2⅛ *55*	6¼ *159*	3 15/16 *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*	2⅝ *67*	300 *20.7*	2¾ *70*	3 7/16 *87*	2⅛ *55*	6¼ *159*	3 15/16 *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*	300 *20.7*	3 5/16 *85*	4 *102*	2⅝ *67*	7¼ *184*	3 13/16 *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*	2⅛ *54*	300 *20.7*	3 5/16 *84*	4 *102*	2⅝ *67*	7¼ *184*	3 13/16 *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*	2⅛ *54*	300 *20.7*	3 5/16 *84*	4 *102*	2⅝ *67*	7¼ *184*	3 13/16 *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*	2⅝ *67*	300 *20.7*	3 5/16 *84*	4 *102*	2⅝ *67*	7¼ *184*	4½ *115*	½ x 2¾	4.8 *2.2*
4 x 2½ *100 x 65*	4.500 x 2.875 *114.3 x 73.0*	2¾ *70*	2⅞ *73*	300 *20.7*	3 1/16 *78*	4 *102*	2⅝ *67*	7¼ *184*	4½ *115*	½ x 2¾	5.4 *2.4*
4 x 3 *100 x 80*	4.500 x 3.500 *114.3 x 88.9*	3½ *89*	3⅝ *92*	300 *20.7*	3 *76*	4⅛ *105*	2⅝ *67*	7¼ *184*	5⅛ *130*	½ x 2¾	5.4 *2.4*
5 x 1½ *125 x 40*	5.563 x 1.900 *141.3 x 48.3*	2 *51*	2⅛ *54*	300 *20.7*	4 1/16 *103*	4¾ *121*	3 3/16 *81*	8 5/16 *211*	3 13/16 *97*	⅝ x 4	7.4 *3.4*
5 x 2 *125 x 50*	5.563 x 2.375 *141.3 x 60.3*	2½ *64*	2⅝ *67*	300 *20.7*	4 1/16 *103*	4¾ *121*	3 3/16 *81*	8 5/16 *211*	3 13/16 *97*	⅝ x 4	7.9 *3.6*
5 x 2½ *125 x 65*	5.563 x 2.875 *141.3 x 73.0*	2¾ *70*	2⅞ *73*	300 *20.7*	3 13/16 *97*	4¾ *121*	3 3/16 *81*	8 5/16 *211*	3 13/16 *97*	⅝ x 4	7.9 *3.6*
6 x 1¼ *150 x 32*	6.625 x 1.660 *168.3 x 42.2*	2 *51*	2⅛ *54*	300 *20.7*	3 13/16 *97*	4 15/16 *126*	3 11/16 *94*	9⅜ *238*	3⅞ *98*	⅝ x 4	8.0 *3.6*
6 x 1½ *150 x 40*	6.625 x 1.900 *168.3 x 48.3*	2 *51*	2⅛ *54*	300 *20.7*	4 7/16 *113*	5⅛ *130*	3 11/16 *94*	9⅜ *238*	3⅞ *98*	⅝ x 4	7.5 *3.4*
6 x 2 *150 x 50*	6.625 x 2.375 *168.3 x 60.3*	2½ *64*	2⅝ *67*	300 *20.7*	4 7/16 *112*	5⅛ *130*	3 11/16 *94*	9⅜ *238*	4 7/16 *112*	⅝ x 4	8.0 *3.6*
6 x 2½ *150 x 65*	6.625 x 2.875 *168.3 x 73.0*	2¾ *70*	2⅞ *73*	300 *20.7*	4 3/16 *106*	5⅛ *130*	3 11/16 *94*	9⅜ *238*	4 7/16 *112*	⅝ x 4	8.0 *3.6*
6 x 3 *150 x 80*	6.625 x 3.500 *168.3 x 88.9*	3½ *89*	3⅝ *92*	300 *20.7*	4⅛ *105*	5¼ *133*	3 11/16 *94*	9⅜ *238*	5⅝ *143*	⅝ x 4	9.7 *4.4*
8 x 2 *200 x 50*	8.625 x 2.375 *219.1 x 60.3*	2½ *64*	2⅝ *67*	300 *20.7*	5 7/16 *138*	6¼ *159*	4⅞ *123*	10 5/16 *313*	4 7/16 *112*	¾ x 4¼	10.2 *4.6*

All sizes may be used as mechanical crosses.

Threads are NPT per ANSI/ASME B1.20.1

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

⚠ WARNING

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