

FIG. 7047, FIG. 7048 & FIG. 7049

Clamp-T, Cross



Fig. 7047



Fig. 7048

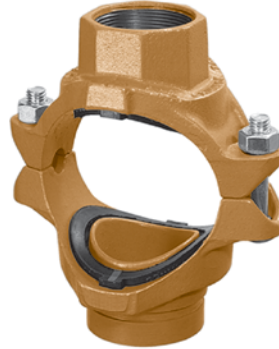


Fig. 7049

The Gruvlok Clamp-T provides a branch or cross connection in light wall or standard wall steel pipe.

The Fig. 7045 Clamp-T female pipe thread branch is available with NPT or ISO 7/1 connection and the Fig. 7046 Clamp-T has grooved-end branch connection.

Clamp-T cross connections are available allowing greater versatility in piping design.

NOTE: 2 1/2" x 1 1/4" Figure 7046 cannot be used in cross configuration.

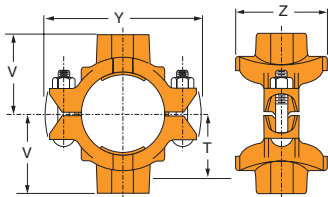


Fig. 7047 - Thread x Thread

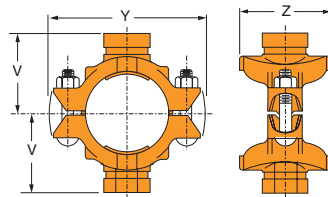


Fig. 7048 - Groove x Groove

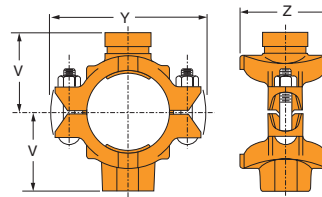


Fig. 7049 - Groove x Thread



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

MATERIAL SPECIFICATIONS

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 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 are zinc electroplated followed by a yellow chromate dip.

HOUSING:

Ductile Iron conforming to ASTM A 536, Grade 65-45-12 or Malleable Iron conforming to ASTM A 47, Grade 32510.

COATINGS:

Rust inhibiting paint – Color: ORANGE (standard)
 Hot Dipped Zinc Galvanized (optional)
 Other Colors Available (IE: RAL3000 and RAL9000)
 For other Coating requirements contact an Anvil Representative for more information.

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, alkalis solutions, oil-free air and many other chemical services.

NOT FOR USE IN PETROLEUM APPLICATIONS.

Grade “T” Nitrile (Orange color code)

-20°F to 180°F (Service Temperature Range)(-29°C to 82°C)

Recommended for petroleum applications. air with oil vapors and vegetable and mineral oils.

NOT FOR USE IN HOT WATER OR HOT AIR.

LUBRICATION:

Standard Gruvlok

Gruvlok Xtreme™ (Do Not use with Grade “L”)

Not for use in copper systems.

FIG. 7043

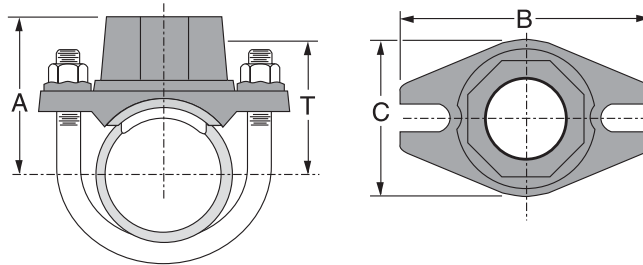
Branch Outlet



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

The Gruvlok Figure 7043 Branch Outlet is for direct connection of sprinkler heads and drop nipples. Just cut a hole, saddle up and fasten it with the U-bolt. The branch outlet provides an economical, quick, and easy outlet at any location along a pipe. Specially engineered to conform to the pipe O.D., the Fig. 7043 provides a leak tight reliable seal in both positive pressure and vacuum conditions. Ductile iron housings with Grade E gasket and carbon steel U-bolt ($\frac{3}{8}$ " dia.) with flanged nuts. Ductile iron housing is available painted or galvanized .

The maximum working pressure for all sizes is 175 PSI (12.1 bar).



MATERIAL SPECIFICATIONS

GASKETS: Materials

Properties as designated in accordance with ASTM D 2000

Grade "E" EPDM (Green color code)
 -40°F to 150°F (Service Temperature Range)
 (-40°C to 66°C) Recommended for water service, diluted acids, alkalis solutions, oil-free air and many chemical services.
NOT FOR USE IN PETROLEUM APPLICATIONS.

HOUSING:

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

COATINGS:

Rust inhibiting paint – Color: ORANGE (standard)
 Hot Dipped Zinc Galvanized (optional)

U-BOLT:

Plated U-bolt conforming to ASTM A 307 with plated hex nuts conforming to ASTM A 563.

LUBRICATION:

Standard Gruvlok
 Gruvlok Xtreme™

FIGURE 7043 BRANCH OUTLET

| Nominal Size | O.D. | Hole Diameter | | Dimensions | | | | Specified Torque § | | Approx. Wt. Each |
|--------------|---------------|---------------|-----------|------------|--------|--------|------------|--------------------|------|------------------|
| | | Min. Dia. | Max. Dia. | A | B | C | Take-out T | Min. | Max. | |
| In./DN(mm) | In./mm | In./mm | In./mm | In./mm | In./mm | In./mm | In./mm | Ft.-Lbs./N-m | | Lbs./Kg |
| 1¼ x ½ | 1.660 x 0.840 | 1⅛ | ¼ | 2⅛ | 3½ | 2⅞ | 1⅝ | 27 | 33 | 0.8 |
| 32 x 15 | 42.4 x 21.3 | 30 | 32 | 53 | 89 | 56 | 35 | - | - | 0.4 |
| 1¼ x ¾ | 1.660 x 1.050 | 1⅛ | ¼ | 2⅛ | 3½ | 2⅞ | 1⅝ | 27 | 33 | 0.8 |
| 32 x 20 | 42.4 x 26.7 | 30 | 32 | 53 | 89 | 56 | 35 | - | - | 0.4 |
| 1¼ x 1 | 1.660 x 1.315 | 1⅛ | ¼ | 2⅞ | 3½ | 2⅞ | 1½ | 27 | 33 | 0.9 |
| 32 x 25 | 42.4 x 33.7 | 30 | 32 | 56 | 89 | 56 | 38 | - | - | 0.4 |
| 1½ x ½ | 1.900 x 0.840 | 1⅛ | ¼ | 2⅞ | 3½ | 2⅞ | 1⅝ | 27 | 33 | 0.8 |
| 40 x 15 | 48.3 x 21.3 | 30 | 32 | 55 | 89 | 56 | 35 | - | - | 0.4 |
| 1½ x ¾ | 1.900 x 1.050 | 1⅛ | ¼ | 2⅞ | 3½ | 2⅞ | 1⅝ | 27 | 33 | 0.8 |
| 40 x 20 | 48.3 x 26.7 | 30 | 32 | 55 | 89 | 56 | 35 | - | - | 0.4 |
| 1½ x 1 | 1.900 x 1.315 | 1⅛ | ¼ | 2⅞ | 3½ | 2⅞ | 1½ | 27 | 33 | 0.9 |
| 40 x 25 | 48.3 x 33.7 | 30 | 32 | 58 | 89 | 56 | 38 | - | - | 0.4 |
| 2 x ½ | 2.375 x 0.840 | 1⅛ | ¼ | 2½ | 3⅝ | 2⅞ | 1⅝ | 27 | 33 | 0.8 |
| 50 x 15 | 60.3 x 21.3 | 30 | 32 | 64 | 98 | 56 | 42 | - | - | 0.4 |
| 2 x ¾ | 2.375 x 1.050 | 1⅛ | ¼ | 2½ | 3⅝ | 2⅞ | 1⅝ | 27 | 33 | 0.8 |
| 50 x 20 | 60.3 x 26.7 | 30 | 32 | 64 | 98 | 56 | 42 | - | - | 0.4 |
| 2 x 1 | 2.375 x 1.315 | 1⅛ | ¼ | 2⅝ | 3⅝ | 2⅞ | 1¾ | 27 | 33 | 0.9 |
| 50 x 25 | 60.3 x 33.7 | 30 | 32 | 67 | 98 | 56 | 45 | - | - | 0.4 |
| 2½ x ½ | 2.875 x 0.840 | 1⅛ | ¼ | 2⅞ | 4⅝ | 2⅞ | 2 | 27 | 33 | 0.8 |
| 65 x 15 | 73.0 x 21.3 | 30 | 32 | 69 | 111 | 56 | 51 | - | - | 0.4 |
| 2½ x ¾ | 2.875 x 1.050 | 1⅛ | ¼ | 2⅞ | 4⅝ | 2⅞ | 2 | 27 | 33 | 0.9 |
| 65 x 20 | 73.0 x 26.7 | 30 | 32 | 69 | 111 | 56 | 51 | - | - | 0.4 |
| 2½ x 1 | 2.875 x 1.315 | 1⅛ | ¼ | 2⅞ | 4⅝ | 2⅞ | 2⅝ | 27 | 33 | 1.0 |
| 65 x 25 | 73.0 x 33.7 | 30 | 32 | 72 | 111 | 56 | 54 | - | - | 0.5 |

§ – For additional Bolt Torque information, see page 204.
 See Installation & Assembly directions on page 181.
 Not for use with copper systems.