Fig. B3100 - Standard Clevis Hanger (TOLCO Fig.1)

Size Range: 1/2" (15mm) to 36" (900mm)

Material: Steel

Function: Recommended for the suspension of non-insulated pipe or insulated pipe with a B3151 shield.

Note: When an oversized clevis is used, a pipe spacer should be placed over the cross bolt to assure that the lower U-strap will not move in on the bolt. When attaching seismic bracing to the clevis hangers, a B3100PS (cross bolt spacer) must be installed. See Seismic Restraints Approval Guidelines.
Order pipe sleeves Fig. 1CBS-(pipe size) separately.

Approvals: Underwriter's Laboratories Listed in the USA **(UL)** and Canada **(cUL)** for sizes 1/2" (15) thru 12" (300). Factory Mutual Engineering Approved **(FM)** for 3/4" (20mm) thru 8" (200mm) pipe. Conforms to Federal Specification WW-H-171E & A-A-1192A, Type 1 and Manufacturers Standardization Society ANSI/MSS SP-69 & SP-58, Type 1. Also available to accommodate rod schedule per per National Fire Protection Association (NFPA) Pamphlet 13.

Maximum Temperature: 650°F (343°C).

Standard Finish: Plain, Electro-Galvanized, DURA-GREEN™, or Hot-Dip Galvanized also available in Stainless Steel

Order By: Figure number and finish.

For AWWA - Ductile Iron Clevis Hangers, see B3102, page 50.

**** Note:** Do not use the dimensions shown in the B3100 chart for NFPA hanger sizes. Contact Cooper B-Line for NFPA rod sizing on 1/2" (15mm) thru 12" (300mm) pipe. Part numbers will be 1NFPA-pipe size.

Part No.	E in.	E (mm)	Adjustment F in.	Adjustment F (mm)	Design Load Lbs.	Design Load (kN)	Approx. Wt./100 Lbs.	Approx. Wt./100 (kg)
B3100-1/2	2 1/2"	(63.5)	7/16"	(11.1)	730	(3.25)	25	(11.3)
B3100-3/4	2 1/2"	(63.5)	1/2"	(12.7)	730	(3.25)	29	(13.1)
B3100-1	2 1/2"	(63.5)	5/8"	(15.9)	730	(3.25)	35	(15.9)
B3100-1 1/4	2 1/2"	(63.5)	7/8"	(22.2)	730	(3.25)	40	(18.1)
B3100-1 1/2	2 1/2"	(63.5)	1 3/16"	(30.2)	730	(3.25)	42	(19.0)
B3100-2 *	2 1/2"	(63.5)	1 5/8"	(41.3)	730	(3.25)	52	(23.6)
B3100-2 1/2 *	2 1/2"	(63.5)	2"	(50.8)	1350	(6.00)	90	(40.8)
B3100-3 *	2 1/2"	(63.5)	2"	(50.8)	1350	(6.00)	110	(49.9)
B3100-3 1/2	2 1/2"	(63.5)	2"	(50.8)	1350	(6.00)	142	(64.4)
B3100-4 *	2 1/2"	(63.5)	2"	(50.8)	1430	(6.36)	132	(59.9)
B3100-5 *	2 1/2"	(63.5)	2"	(50.8)	1430	(6.36)	215	(97.5)
B3100-6 *	3"	(76.2)	2"	(50.8)	1940	(8.63)	320	(145.1)
B3100-8	3 1/2"	(88.9)	2 5/16"	(58.7)	2000	(8.89)	485	(220.0)
B3100-10	3 1/2"	(88.9)	2 5/16"	(58.7)	3600	(16.01)	846	(383.7)
B3100-12	3 1/2"	(88.9)	2 5/8"	(66.7)	3800	(16.90)	1083	(491.2)
B3100-14	4"	(101.6)	2 7/8"	(73.0)	4200	(18.68)	1432	(649.5)
B3100-16	4"	(101.6)	2 11/16"	(68.3)	4600	(20.46)	2200	(997.9)
B3100-18	4 1/2"	(114.3)	3 15/16"	(100.0)	4800	(21.35)	2500	(1134.0)
B3100-20	5"	(127.0)	5 3/8"	(136.5)	4800	(21.35)	4400	(1995.8)
B3100-24	5"	(127.0)	5 3/8"	(136.5)	4800	(21.35)	5000	(2268.0)
B3100-30	5"	(127.0)	6 1/4"	(158.7)	6000	(26.69)	6600	(2993.7)
B3100-36	5"	(127.0	5 7/16"	(138.1)	6000	(26.69)	8474	(3843.8)

*SLIDE-RITE™ Clevis Hanger design, as shown above, for sizes 2, 2 1/2, 3, 4, 5 & 6.

All dimensions in charts and on drawings are in inches. Dimensions shown in parentheses are in millimeters unless otherwise specified.

Fig. B3100C - Standard Clevis Hanger - Plastic Coated (TOLCO Fig.1PVC)
Fig. B3100F - Standard Clevis Hanger - Felt Lined (TOLCO Fig.1F)

Size Range: 1/2" (15mm) to 8" (200mm) pipe

Material: Steel

Insulation Material: 3/16" (4.8mm) Felt

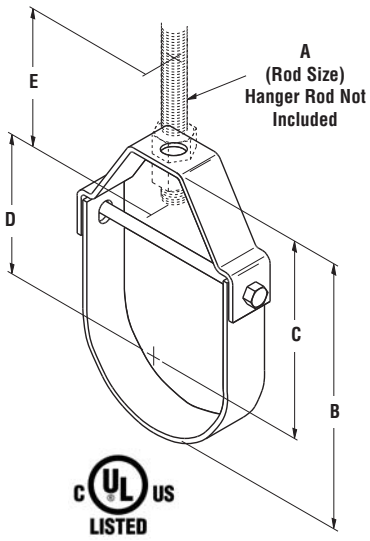
Service: The B3100F is designed for the suspension of copper tube so as to prevent electrolysis between tubing and hanger. The B3100C is designed for steel or other pipe types of the same O.D. Both B3100F and B3100C act to reduce noise and vibration in pipe or tubing systems.

Approvals: Underwriter's Laboratories Listed in the USA **(UL)** and Canada **(cUL)**.

Maximum Temperature: 650°F (343°C).

Standard Finish: Plain, Electro-Galvanized, or Hot-Dip Galvanized. Contact Cooper B-Line for alternative finishes and materials.

Order By: Figure number and finish.



B
Bottom of pipe to top of hanger.

C
Center of pipe to top of hanger.

D
Rod Take-Out
Center of pipe to bottom of hanger rod.

E
Minimum thread length of hanger rod

F
Adjustment
Top of cross bolt to bottom of hanger rod nut inside the hanger.

Part No.	Pipe Size in.	Pipe Size (mm)	Rod Size A	B in.	B (mm)	C in.	C (mm)	D in.	D (mm)
B3100-1/2	1/2"	(15)	3/8"-16	2 1/8"	(54.0)	1 11/16"	(42.9)	15/16"	(23.8)
B3100-3/4	3/4"	(20)	3/8"-16	2 7/16"	(61.9)	1 7/8"	(47.6)	1 1/8"	(28.6)
B3100-1	1"	(25)	3/8"-16	2 13/16"	(71.4)	2 1/8"	(54.0)	1 3/8"	(34.9)
B3100-1 1/4	1 1/4"	(32)	3/8"-16	3 7/16"	(87.3)	2 9/16"	(65.1)	1 13/16"	(46.0)
B3100-1 1/2	1 1/2"	(40)	3/8"-16	4"	(101.6)`	3"	(76.2)	2 1/4"	(57.1)
B3100-2	2"	(50)	3/8"-16	4 1/2"	(114.3)	3 1/4"	(82.5)	2 1/2"	(63.5)
B3100-2 1/2	2 1/2"	(65)	1/2"-13	5 9/16"	(141.3)	4"	(101.6)	3 1/16"	(77.8)
B3100-3	3"	(80)	1/2"-13	6 3/4"	(171.4)	4 7/8"	(123.8)	3 15/16"	(100.0)
B3100-3 1/2	3 1/2"	(90)	1/2"-13	7"	(177.8)	5"	(127.0)	4 1/16"	(103.2)
B3100-4	4"	(100)	5/8"-11	7 13/16"	(198.4)	5 1/2"	(139.7)	4 3/8"	(111.1)
B3100-5	5"	(125)	5/8"-11	9 1/16"	(230.2)	6 1/8"	(155.6)	5"	(127.0)
B3100-6	6"	(150)	3/4"-10	10 7/16"	(265.1)	6 15/16"	(176.2)	5 11/16"	(144.5)
B3100-8	8"	(200)	3/4"-10	12 3/4"	(323.8)	8 3/8"	(212.7)	7 1/8"	(181.0)

Part No.	E in.	E (mm)	Adjustment F in.	Adjustment F (mm)	Design Load Lbs.	Design Load (kN)	Approx. Wt./100 Lbs.	Approx. Wt./100 (kg)
B3100-1/2	2 1/2"	(63.5)	7/16"	(11.1)	730	(3.25)	25	(11.3)
B3100-3/4	2 1/2"	(63.5)	1/2"	(12.7)	730	(3.25)	29	(13.1)
B3100-1	2 1/2"	(63.5)	5/8"	(15.9)	730	(3.25)	35	(15.9)
B3100-1 1/4	2 1/2"	(63.5)	7/8"	(22.2)	730	(3.25)	40	(18.1)
B3100-1 1/2	2 1/2"	(63.5)	1 3/16"	(30.2)	730	(3.25)	42	(19.0)
B3100-2	2 1/2"	(63.5)	1 5/8"	(41.3)	730	(3.25)	52	(23.6)
B3100-2 1/2	2 1/2"	(63.5)	2"	(50.8)	1350	(6.00)	90	(40.8)
B3100-3	2 1/2"	(63.5)	2"	(50.8)	1350	(6.00)	110	(49.9)
B3100-3 1/2	2 1/2"	(63.5)	2"	(50.8)	1350	(6.00)	142	(64.4)
B3100-4	2 1/2"	(63.5)	2"	(50.8)	1430	(6.36)	132	(59.9)
B3100-5	2 1/2"	(63.5)	2"	(50.8)	1430	(6.36)	215	(97.5)
B3100-6	3"	(76.2)	2"	(50.8)	1940	(8.63)	320	(145.1)
B3100-8	3 1/2"	(88.9)	2 5/16"	(58.7)	2000	(8.89)	485	(220.0)

B3100C

B3100F

All dimensions in charts and on drawings are in inches. Dimensions shown in parentheses are in millimeters unless otherwise specified.