

CLEVIS HANGERS



FUNCTION: Designed for the suspension of non-insulated stationary pipe lines. Fig. 450F has a layer of felt which separates the pipe from the hanger to reduce vibration and sound. The PVC coating on Fig. 453 protects the pipe from the metal surface of the hanger.

APPROVALS: Underwriters' Laboratories Listed in the U.S. (UL) and Factory Mutual Approved for 2½" (65) to 8" (200) only. Complies with Federal Specifications A-A-1192A (Type 1) and Manufacturers' Standardization Society ANSI/SP-69 and SP-58 (Type 1).

MATERIAL: Low carbon steel

ORDERING: Specify pipe size and figure number.

Note: When an over-sized clevis is used, a pipe spacer should be placed over the clevis bolt to prevent the lower U-strap from moving inward.

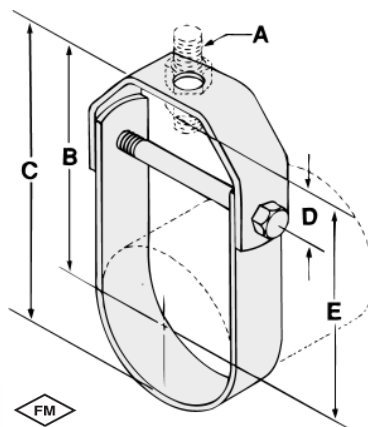


Fig. 450, 450F, 451, 453 & 454 STANDARD CLEVIS HANGER

Fig. 450 PLAIN
Fig. 450F PLAIN WITH FELT LINING
Fig. 451 ELECTRO-GALVANIZED
Fig. 453 PLAIN WITH PVC COATING
Fig. 454 HOT DIPPED GALVANIZED W/ELECTRO-GALVANIZED HARDWARE

"D" Adjustment
(Top of cross bolt to
bottom of hanger rod nut.)

Pipe Size	Rod Size A	B		C		Adjustment D		E		Cross Bolt	Max. Rec. Load		Wt. Each	
											lbs.	kN	lbs.	kg
½ (15)	⅜	2⅞	(61.9)	2⅞	(73.0)	1⅞	(28.6)	2	(50.8)	¼	730	(3.25)	0.24	(0.11)
¾ (20)	⅜	2⅞	(66.7)	3⅞	(79.4)	1¼	(31.8)	2⅞	(55.6)	¼	730	(3.25)	0.24	(0.11)
1 (25)	⅜	3⅞	(77.8)	3⅞	(95.3)	1⅞	(41.3)	2⅞	(66.7)	¼	730	(3.25)	0.28	(0.13)
1¼ (32)	⅜	3⅞	(85.7)	4⅞	(106.4)	1⅞	(41.3)	2⅞	(74.6)	¼	730	(3.25)	0.32	(0.15)
1½ (40)	⅜	3⅞	(88.9)	4⅞	(112.7)	1½	(38.1)	3⅞	(77.8)	¼	730	(3.25)	0.40	(0.18)
2 (50)	⅜	3⅞	(95.3)	5	(127.0)	1⅞	(41.3)	3⅞	(84.1)	¼	730	(3.25)	0.52	(0.24)
2½ (65)	½	4⅞	(117.5)	6⅞	(154.0)	2	(50.8)	4⅞	(103.2)	⅜	1350	(6.01)	0.72	(0.33)
3 (80)	½	4⅞	(123.8)	6⅞	(168.3)	1⅞	(46.0)	4⅞	(108.0)	⅜	1350	(6.01)	0.78	(0.35)
3½ (90)	½	4⅞	(114.3)	6⅞	(165.1)	1¼	(31.8)	3⅞	(98.4)	⅜	1350	(6.01)	1.16	(0.53)
4 (100)	⅝	5⅞	(139.7)	7⅞	(195.3)	1¼	(44.5)	4⅞	(119.1)	⅜	1430	(6.36)	1.35	(0.61)
5 (125)	⅝	6⅞	(155.6)	9⅞	(231.8)	1⅞	(47.6)	5⅞	(134.9)	½	1430	(6.36)	1.88	(0.85)
6 (150)	¾	6⅞	(174.6)	10⅞	(257.2)	1⅞	(41.3)	6	(152.4)	½	1940	(8.63)	2.76	(1.25)
8 (200)	¾	8⅞	(222.3)	12⅞	(327.0)	2⅞	(54.0)	7⅞	(200.0)	⅝	2000	(8.90)	4.35	(1.97)
10 (250)	⅞	10⅞	(263.5)	15⅞	(400.1)	3⅞	(60.3)	9⅞	(231.8)	¾	3600	(16.01)	8.22	(3.73)
12 (300)	⅞	11⅞	(295.3)	18	(457.2)	2½	(63.5)	10⅞	(266.7)	¾	3800	(16.90)	10.05	(4.56)
14 (350)	1	12⅞	(323.9)	19⅞	(501.7)	2⅞	(66.7)	11⅞	(285.8)	⅞	4200	(18.68)	12.97	(5.88)
16 (400)	1	14⅞	(358.8)	22⅞	(562)	2⅞	(66.7)	13⅞	(346.1)	1	4600	(20.46)	20.85	(9.46)
18 (450)	1⅞	16⅞	(419.1)	25⅞	(647.7)	3½	(88.9)	15	(381.0)	1⅞	4800	(21.35)	24.75	(11.23)
20 (500)	1¼	18	(457.2)	28	(711.2)	4⅞	(104.8)	16⅞	(409.6)	1¼	4800	(21.35)	42.45	(19.26)
24 (600)	1¼	20⅞	(514.4)	32⅞	(819.2)	4¾	(120.7)	18⅞	(466.7)	1¼	4800	(21.35)	48.65	(22.07)
30 (750)	1¼	24⅞	(622.3)	38⅞	(987.4)	5½	(139.7)	21⅞	(546.1)	1¼	6000	(26.69)	69.83	(31.67)
36 (900)	1½	32	(812.8)	50	(1270.0)	8¾	(222.3)	30	(762.0)	1½	9500	(42.26)	175.00	(79.38)

Note: Use of an upper locknut ensures proper performance. Pipe spacers provided on 30" (750mm) and larger clevises. If ordering Fig. 450F felt lined hangers for pipe sizes of 3½" (90mm) or under, order the next largest size to allow for the thickness of the felt lining.

Unless otherwise specified, all dimensions on drawings and in charts are in inches and dimensions shown in parentheses are in millimeters.