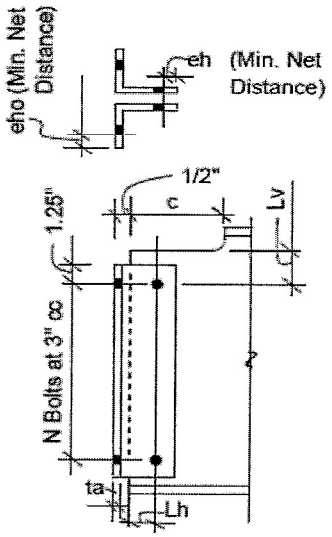
Shop Bolted Clip Angle Standards
AISC - ASD 13th Edition



CLIP ANGLE TABLE NUMBER - 1

BEAM DATA: Fyb = 50 KSI
Fub = 65 KSI
Max. Cope Length c = 5

BOLT QUALITY: A325N
eh (Minimum) = 0.60 IN
eho (Minimum) = 0.60 IN
BOLT DIAMETER: d = 0.75 IN

Fabricator is to Select A36 Clip Angle Size to Ensure that "eh" and "eho" are Satifsfied

CLIP ANGLE CAPACITIES - (KIPS)

				UN-COPED BEAMS				TOP FLANGE COPES						TOP AND BOTTOM COPES					
				Bm Web Thickness				Beam Web Thickness						Beam Web Thickness					
N	ta	Lv	Lh	0.188	0.250	0.313	0.375	0.188	0.250	0.313	0.375	0.440	0.500	0.188	0.250	0.313	0.375	0.440	0.500
13	0.313	1.5	1.75	139.4	185.9	232.3	262.2	105.1	140.2	175.2	210.2	246.7	262.2	105.1	140.2	175.2	210.2	246.7	262.2
12	0.313	1.5	1.75	128.4	171.2	214.0	242.0	97.3	129.8	162.2	194.7	228.4	242.0	97.3	129.8	162.2	194.7	228.4	242.0
11	0.313	1.5	1.75	117.5	156.6	195.8	221.7	89.6	119.4	149.3	179.2	210.2	221.7	89.6	119.4	149.3	179.2	210.2	221.7
10	0.313	1.5	1.75	106.5	142.0	177.5	201.5	81.8	109.1	136.3	163.6	192.0	201.5	81.8	109.1	136.3	163.6	192.0	201.5
9	0.313	1.5	1.75	95.5	127.4	159.2	181.2	74.0	98.7	123.4	148.1	173.7	181.2	74.0	98.7	123.4	148.1	173.7	181.2
8	0.313	1.5	1.75	84.6	112.7	140.9	161.0	66.3	88.4	110.4	132.5	155.5	161.0	66.3	88.4	110.4	132.5	155.5	161.0
7	0.313	1.5	1.75	73.6	98.1	122.6	140.7	58.5	78.0	97.5	117.0	137.3	140.7	58.5	78.0	97.5	117.0	137.3	140.7
6	0.313	1.5	1.75	62.6	83.5	104.4	120.5	50.7	67.6	84.6	101.5	119.0	120.5	50.7	67.6	84.6	101.5	119.0	120.5
5	0.313	1.5	1.75	51.6	68.9	86.1	100.2	43.0	57.3	71.6	85.9	100.2	100.2	38.3	51.0	63.8	76.6	89.8	100.2
4	0.313	1.5	1.75	40.7	54.2	67.8	80.0	35.2	46.9	58.7	70.4	80.0	80.0	24.5	32.7	40.8	49.0	57.5	65.3
3	0.313	1.5	1.75	29.7	39.6	49.5	59.4	27.2	36.3	45.3	54.4	59.7	59.7	13.8	18.4	23.0	27.6	32.3	36.7
2	0.313	1.5	1.75	18.7	25.0	31.2	37.5	18.7	25.0	31.2	37.5	39.5	39.5	6.1	8.2	10.2	12.2	14.4	16.3

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