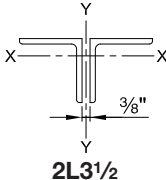


Table 4-8 (continued)													
Available Strength in													
Axial Compression, kips													
Double Angles—Equal Legs													
$F_y = 50$ ksi													
Shape		2L3 ¹ / ₂ × 3 ¹ / ₂ ×										No. of Connectors ^[a]	
lb/ft		1/2		7/16		3/8		5/16 ^[c]		1/4 ^[c]			
Design		22.2		19.6		17.0		14.4		11.6			
		P_n/Ω_c	$\phi_c P_n$	P_n/Ω_c	$\phi_c P_n$	P_n/Ω_c	$\phi_c P_n$	P_n/Ω_c	$\phi_c P_n$	P_n/Ω_c	$\phi_c P_n$		
		ASD	LRFD	ASD	LRFD	ASD	LRFD	ASD	LRFD	ASD	LRFD		
Effective length, L_c (ft), with respect to indicated axis	X-X Axis	0	195	293	173	260	150	225	123	186	87.0	131	[b]
		1	193	290	171	258	148	223	123	184	86.5	130	
		2	187	282	167	251	144	217	120	181	85.0	128	
		3	179	268	159	239	138	207	116	174	82.5	124	
		4	167	251	149	224	129	194	109	164	79.2	119	
		5	153	230	137	206	119	179	100	151	75.0	113	
		6	138	207	124	186	108	162	90.9	137	70.1	105	
		7	122	183	109	164	95.4	143	80.8	121	64.6	97.0	
		8	106	159	95.0	143	83.1	125	70.6	106	57.7	86.8	
		9	89.8	135	81.0	122	71.1	107	60.5	91.0	49.7	74.6	
	10	74.8	112	67.8	102	59.7	89.7	51.0	76.6	42.0	63.1		
	Y-Y Axis	11	61.8	92.9	56.0	84.2	49.4	74.2	42.3	63.5	34.8	52.4	3
		12	51.9	78.1	47.1	70.8	41.5	62.4	35.5	53.4	29.3	44.0	
		13	44.3	66.5	40.1	60.3	35.4	53.1	30.3	45.5	24.9	37.5	
		14	38.2	57.4	34.6	52.0	30.5	45.8	26.1	39.2	21.5	32.3	
		15	33.2	50.0	30.1	45.3	26.6	39.9	22.7	34.2	18.7	28.2	
		16	29.2	43.9	26.5	39.8	23.3	35.1	20.0	30.0	16.5	24.8	
		17	25.9	38.9	23.5	35.3	20.7	31.1	17.7	26.6	14.6	21.9	
18								15.8	23.7	13.0	19.6		
Properties of 2 angles—3/8 in. back to back													
A_g , in. ²		6.50		5.78		5.00		4.20		3.40			
r_x , in.		1.05		1.06		1.07		1.08		1.09			
r_y , in.		1.63		1.61		1.60		1.59		1.57			
Properties of single angle													
r_z , in.		0.679		0.681		0.683		0.685		0.688			
ASD		LRFD		^[a] For Y-Y axis, welded or pretensioned bolted intermediate connectors with Class A or B faying surfaces must be used. ^[b] For required number of intermediate connectors, see the discussion of Table 4-8. ^[c] Shape is slender for compression with $F_y = 50$ ksi; tabulated values have been adjusted accordingly. Note: Heavy line indicates L_c/r equal to or greater than 200.									
$\Omega_c = 1.67$		$\phi_c = 0.90$											