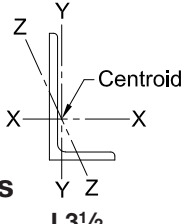


Table 4-11 (continued)																	
Available Strength in Axial Compression, kips																	
Concentrically Loaded Single Angles																	
L3 1/2 x 3 1/2 x														L3 1/2 x 3 x			
Shape		3/8		5/16 [c]		1/4 [c]		1/2		7/16		3/8					
lb/ft		8.50		7.20		5.80		10.2		9.10		7.90					
Design		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	ASD	LRFD	ASD	LRFD		
Effective length, L_e (ft), with respect to least radius of gyration, r_z	0	74.9	113	61.7	92.8	43.5	65.4	90.4	136	79.9	120	69.5	104				
	1	73.2	110	60.8	91.3	42.9	64.4	88.0	132	77.8	117	67.6	102				
	2	68.4	103	57.5	86.4	41.0	61.6	81.0	122	71.6	108	62.3	93.6				
	3	61.1	91.8	51.4	77.2	38.0	57.2	70.6	106	62.5	93.9	54.4	81.7				
	4	52.2	78.4	43.9	66.0	34.1	51.3	58.2	87.4	51.6	77.5	44.9	67.5				
	5	42.6	64.0	35.9	53.9	29.2	43.9	45.4	68.2	40.3	60.6	35.2	52.9				
	6	33.2	49.9	28.0	42.1	22.9	34.3	33.4	50.3	29.8	44.7	26.0	39.1				
	7	24.8	37.3	21.0	31.5	17.1	25.8	24.6	36.9	21.9	32.9	19.1	28.7				
	8	19.0	28.6	16.1	24.2	13.1	19.7	18.8	28.3	16.7	25.2	14.6	22.0				
	9	15.0	22.6	12.7	19.1	10.4	15.6	14.9	22.3	13.2	19.9	11.6	17.4				
	10	12.2	18.3	10.3	15.5	8.40	12.6	12.0	18.1	10.7	16.1	9.37	14.1				
	11	10.1	15.1	8.50	12.8	6.94	10.4										
A_g , in. ²		2.50		2.10		1.70		3.02		2.67		2.32					
r_z , in.		0.683		0.685		0.688		0.618		0.620		0.622					
ASD		LRFD		[c] Shape is slender for compression with $F_y = 50$ ksi; tabulated values have been adjusted accordingly.													
		Note: Heavy line indicates L_e / r_z equal to or greater than 200.															
$\Omega_c = 1.67$		$\phi_c = 0.90$															