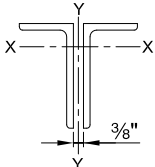


Table 4-9 (continued)											
Available Strength in Axial Compression, kips											
Double Angles—LLBB										2L4 LLBB	
Shape		2L4x3 ¹ / ₂ x								No. of Connectors ^[a]	
		¹ / ₂		³ / ₈		⁵ / ₁₆ ^[c]		¹ / ₄ ^[c]			
lb/ft		23.8		18.2		15.4		12.4			
Design		P_n/Ω_c	$\phi_c P_n$	P_n/Ω_c	$\phi_c P_n$	P_n/Ω_c	$\phi_c P_n$	P_n/Ω_c	$\phi_c P_n$		
		ASD	LRFD	ASD	LRFD	ASD	LRFD	ASD	LRFD		
Effective length, L_c (ft), with respect to indicated axis	X-X Axis	0	210	315	160	241	127	191	88.6	133	[b]
		2	204	306	156	235	124	187	87.1	131	
		4	187	282	144	217	117	176	82.7	124	
		6	163	245	126	189	104	157	75.8	114	
		8	134	202	104	157	87.5	132	66.7	100	
		10	104	157	81.8	123	68.7	103	55.2	83.0	
		12	76.8	115	60.7	91.2	51.0	76.6	41.9	63.0	
		14	56.4	84.8	44.6	67.0	37.4	56.3	30.8	46.3	
		16	43.2	64.9	34.1	51.3	28.7	43.1	23.6	35.4	
		18	34.1	51.3	27.0	40.6	22.7	34.0	18.6	28.0	
		20	27.6	41.5	21.9	32.8	18.3	27.6	15.1	22.7	
	Y-Y Axis	0	210	315	160	241	127	191	88.6	133	2
		1	191	287	137	205	106	159	70.5	106	
		2	188	283	133	201	103	155	68.2	102	
		4	184	277	131	196	101	151	66.9	101	
		6	173	260	125	187	97.5	147	65.4	98.3	
		8	149	225	110	165	87.4	131	61.4	92.2	
		10	126	189	92.8	139	74.5	112	54.7	82.2	
		12	102	153	75.0	113	60.3	90.6	45.6	68.5	
		14	83.2	125	60.9	91.6	48.8	73.3	35.6	53.6	3
		16	64.2	96.5	47.2	71.0	38.1	57.2	28.2	42.3	
		18	50.9	76.5	37.6	56.5	30.5	45.8	23.8	35.7	
		20	41.4	62.2	30.6	46.1	24.9	37.4	19.5	29.3	
		22	34.3	51.5	25.4	38.2	20.7	31.1	16.3	24.5	
		24	28.8	43.3	21.4	32.2	17.5	26.2	13.8	20.7	
		26	24.6	37.0							
Properties of 2 angles— ³ / ₈ in. back to back											
A_g , in. ²		7.00		5.36		4.50		3.64			
r_x , in.		1.23		1.25		1.25		1.26			
r_y , in.		1.57		1.55		1.53		1.52			
Properties of single angle											
r_z , in.		0.716		0.719		0.721		0.723			
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.							
$\Omega_c = 1.67$		$\phi_c = 0.90$									