



Load Charts*

* It is the responsibility of the building designer to determine appropriate head size for the beam support.

LIGHT / MEDIUM DUTY MINI SERIES

Series	Maximum Height		Allowable Working Loads		Limit States Design Values (Factored)		Column/ Base Plate	Head Dimensions (Adjustment Range 4.5")	Lateral Loading AWL/LSD	Label Colour Code				
	Feet	Meters	Lbs	kN	Lbs	kN	Dimensions	Lag Bolts Included						
WMA	5'-0"	1.52	16,000	71.1	23,200	103.2	2" x 2" Base 6" x 6"	Top 3.5" x 5.25" LVL	800/1200	Green				
	7'-6"	2.29	9,300	41.4	13,500	60.1								
	8'-0"	2.44	8,500	37.8	12,235	54.8								
WMNA	8'-0"	2.44	10,500	46.6	15,200	67.6	2.5" x 2.5" Base 6" x 6"			Top 3.5" x 5.25" LVL	800/1200	Magenta		
	8'-6"	2.59	10,000	44.5	14,500	64.5								
	9'-0"	2.74	9,600	42.7	13,920	61.8								
WMB	7'-6"	2.29	14,000	62.5	20,400	90.7	2.5" x 2.5" Base 6" x 6"					Top 3.5" x 5.25" LVL	800/1200	Yellow
	8'-0"	2.44	13,000	57.7	18,800	83.6								
	8'-6"	2.59	12,000	53.0	17,300	76.9								
	9'-0"	2.74	11,000	48.9	15,950	71.0								
	9'-6"	2.90	10,100	44.9	14,645	65.1								
WMC	7'-6"	2.29	16,000	71.1	23,200	103.2	2.5" x 2.5" Base 6" x 6"							Top 3.5" x 5.25" LVL
	8'-0"	2.44	15,500	68.9	22,475	100.0								
	8'-6"	2.59	14,000	62.3	20,300	90.3								
	9'-0"	2.74	13,000	57.8	18,850	83.9								
	9'-6"	2.90	12,000	53.4	17,400	77.4								
WMD	7'-6"	2.29	25,500	113.4	37,000	164.6	3" x 3" Base 6" x 6"	Top 6" x 7" LVL	1275/1900	Lime Green				
	8'-0"	2.44	24,000	106.8	34,800	154.8								
	8'-6"	2.59	22,000	97.9	32,000	142.4								
	9'-0"	2.74	20,500	91.2	29,800	132.6								
	9'-6"	2.90	19,500	86.7	28,300	125.9								
	10'-0"	3.05	18,000	80.1	26,100	116.1								
	12'-0"	3.65	15,800	72.3	22,900	101.8								
		13,675	60.8	19,840	88.3									

MEDIUM DUTY SADDLE SERIES

Series	Maximum Height		Allowable Working Loads		Limit States Design Values (Factored)		Column/ Base Plate	Saddle Head Dimensions (Adjustment Range 5.5")	Lateral Loading AWL/LSD	Label Colour Code
	Feet	Meters	Lbs	kN	Lbs	kN	Dimensions	In Matched Sets		
WS1	7'-5.5"	2.27	18,500	82.3	26,825	119.3	2.5" x 2.5" Base 6" x 6"	2 ply LVL 6" x 3.625" x 7.5" 3 ply LVL 6" x 5.375" x 6.1875" 4 ply DIM 6" x 6.25" x 6.125" Flat Top 4" x 6"	925/1385	Light Blue
	8'-5.5"	2.58	16,000	71.2	23,200	103.2				
	9'-5.5"	2.88	13,500	60.1	19,575	87.1				
	10'-5.5"	3.19	11,500	51.2	16,675	74.2				
WS2	8'-5.5"	2.58	24,000	106.8	34,800	154.8	3" x 3" Base 6" x 6"	2 ply LVL 8" x 3.625" x 7.5" 3 ply LVL 8" x 5.375" x 6.625" 4 ply DIM 8" x 6.25" x 6.125" 4 ply LVL 8" x 7.375" x 5.625" Flat Top 6" x 8"	1200/1800	Orange
	9'-5.5"	2.88	20,500	91.2	29,725	132.2				
	10'-5.5"	3.19	18,000	80.1	26,100	116.1				
	12'-5.5"	3.79	13,750	61.2	19,950	88.8				
WS2.5	8'-5.5"	2.58	34,000	151.3	49,300	219.3	3" x 3" Base 8" x 8" 4 x 0.625" Ø for anchor bolts 1" in from each edge of plate to center of hole	2 ply LVL 8" x 3.625" x 7.5" 3 ply LVL 8" x 5.375" x 6.625" 4 ply DIM 8" x 6.25" x 6.125" 4 ply LVL 8" x 7.375" x 5.625" Flat Top 6" x 8"	1700/2550	Blue Grey
	9'-5.5"	2.88	29,000	129.0	42,000	186.8				
	10'-5.5"	3.19	25,000	111.2	36,250	161.3				
	12'-5.5"	3.79	19,000	84.5	27,550	122.6				
	14'-5.5"	4.40	14,750	65.6	21,390	95.0				

HEAVY / SUPER DUTY SADDLE SERIES

Series	Maximum Height		Allowable Working Loads		Limit States Design Values (Factored)		Column/ Base Plate	Saddle Head Dimensions (Adjustment Range 5.5")	Lateral Loading AWL/LSD	Label Colour Code
	Feet	Meters	Lbs	kN	Lbs	kN	Dimensions	In Matched Sets		
WS3	8'-5.5"	2.58	41,000	182.4	59,450	264.5	3" x 3" Base 8" x 8" 4 x 0.625" Ø for anchor bolts 1" in from each edge of plate to center of hole	2 ply LVL 13" x 3.625" x 6" 3 ply LVL 13" x 5.375" x 6" 4 ply DIM 13" x 6.375" x 6" 4 ply LVL 13" x 7.375" x 6" Flat Top 6" x 8"	2050/3075	Dark Blue
	9'-5.5"	2.88	35,500	157.9	51,475	229.0				
	10'-5.5"	3.19	30,500	135.7	44,225	196.7				
	12'-5.5"	3.79	23,000	102.3	33,350	148.4				
	14'-5.5"	4.4	18,000	80.1	26,100	116.1				
	16'-5.5"	5.02	14,000	62.3	20,300	90.3				
WS4	8'-5.5"	2.58	61,000	271.4	88,450	393.5	4" x 4" Base 8" x 8" 4 x 0.625" Ø for anchor bolts 1" in from each edge of plate to center of hole	2 ply LVL 13" x 3.625" x 6" 3 ply LVL 13" x 5.375" x 6" 4 ply DIM 13" x 6.375" x 6" 4 ply LVL 13" x 7.375" x 6" Flat Top 8" x 10"	3050/4575	Red
	9'-5.5"	2.88	55,500	246.9	80,500	358.1				
	10'-5.5"	3.19	50,000	222.4	72,500	322.5				
	12'-5.5"	3.79	40,500	180.2	58,750	261.3				
	14'-5.5"	4.4	33,000	146.8	47,850	212.9				
	16'-5.5"	5.02	27,000	120.1	39,150	174.2				
	20'-5.5"	6.24	18,500	82.3	26,825	119.3				
24'-5.5"	7.45	13,500	60.1	19,575	87.1					
WS5	8'-5.5"	2.58	90,000	400.4	130,500	580.5	5" x 5" Base 10" x 10" 4 x 0.625" Ø for anchor bolts 1" in from each edge of plate to center of hole	2 ply LVL 13" x 3.625" x 6" 3 ply LVL 13" x 5.375" x 6" 4 ply DIM 13" x 6.375" x 6" 4 ply LVL 13" x 7.375" x 6" 5 ply LVL 13" x 9" x 6" Flat Top as required	4500/6750	Brown
	12'-5.5"	3.79	67,500	300.3	97,875	435.4				
	16'-5.5"	5.02	48,500	215.7	70,325	312.8				
	20'-5.5"	6.24	35,000	155.7	50,750	225.8				
	24'-5.5"	7.45	26,000	115.7	37,700	167.7				
WS6	8'-5.5"	2.58	150,000	667.3	217,500	967.5	6" x 6" Base 10" x 10" 4 x 0.625" Ø for anchor bolts 1" in from each edge of plate to center of hole	2 ply LVL 20" x 3.625" x 10" 3 ply LVL 20" x 5.375" x 10" 4 ply DIM 20" x 6.375" x 10" 4 ply LVL 20" x 7.375" x 10" 5 ply LVL 20" x 9" x 10" Flat Top as required	7500/11250	Purple
	12'-5.5"	3.79	124,500	553.8	180,525	803.0				
	16'-5.5"	5.02	95,000	422.6	137,750	612.8				
	20'-5.5"	6.24	72,000	320.3	104,400	464.4				
	24'-5.5"	7.45	55,000	244.7	79,750	354.8				