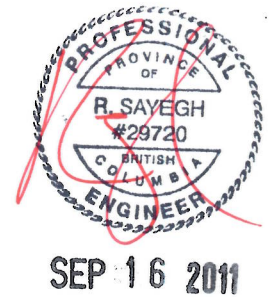


Chord Splicing Table (Lumber on flat)

B37019T

3X2 Lumber						
MAIN PLATE (on wide face) :		2x6	2x (7-10)	2.25x8	2.25x10	
TYPE OF PLATE :		MT-20	MT-20	MT18HS	MT18HS	
MAIN PLATE CAPACITY (LB) :		2430	2741	3460	4352	
SIDE PLATE	LB	SIDE + MAIN PLATE CAPACITY (LB)				
MT-20 1x (≥ 7)	1370	3800	4111	4830	5723	
MT-20 (2 to 3.5) x 5	1380	3810	4121	4839	5732	
MT-20 (2 to 3.5) x 6	1670	4100	4411	5130	6023	
MT-20 2x7, 3x7	1961	4391	4702	5421	6313	
MT-20 (2 to 3.5) x 8	2251	4681	4992	5711	6604	
MT-20 2x9, 3x9	2542	4972	5283	6002	6894	
MT-20 2x10, 2.5x10	2570	4999	5310	6029	6922	
MT-20 3x10, 3.5x10	2832	5262	5573	6292	7185	
MT-20 (3 to 4) x12	3140	5570	5881	6599	7492	
MT18HS 3.25x12	3205	5635	5946	6665	7558	
MII-16 3x15	3279	5709	6020	6739	7632	
MII-16 3x17.5	3835	6265	6576	7295	8187	



- This table has been calculated using the gross area design method.
- Values in this table are to be used in conjunction with **MiTek Canada Inc.** design drawings only.
- This table is not valid after April 30, 2013

4X2 Lumber									
MAIN PLATE (on wide face) :		2.25x8	3x6	3x (7-12)	2.25x10	3.25x8	3.25x10	3.25x12	3x17.5
TYPE OF PLATE :		MT18HS	MT-20	MT-20	MT18HS	MT18HS	MT18HS	MT18HS	MII-16
MAIN PLATE CAPACITY (LB) :		3460	3645	4111	4352	4997	6287	7576	8017
SIDE PLATE	LB	SIDE + MAIN PLATE CAPACITY (LB)							
MT-20 1x (≥ 7)	1370	4830	5015	5482	5723	6368	7657	8947	9387
MT-20 (2 to 3.5) x 5	1380	4839	5025	5491	5732	6377	7667	8956	9397
MT-20 (2 to 3.5) x 6	1670	5130	5315	5782	6023	6668	7957	9247	9687
MT-20 2x7, 3x7	1961	5421	5606	6072	6313	6958	8248	9537	9978
MT-20 (2 to 3.5) x 8	2251	5711	5896	6363	6604	7249	8538	9828	10268
MT-20 2x9, 3x9	2542	6002	6187	6653	6894	7539	8829	10118	10559
MT-20 2x10, 2.5x10	2570	6029	6214	6681	6922	7567	8856	10146	10586
MT-20 3x10, 3.5x10	2832	6292	6477	6944	7185	7830	9119	10409	10849
MT-20 (3 to 4) x12	3140	6599	6784	7251	7492	8137	9427	10716	11157
MT18HS 3.25x12	3205	6665	6850	7317	7558	8203	9492	10782	11222
MII-16 3x15	3279	6739	6924	7390	7632	8276	9566	10856	11296
MII-16 3x17.5	3835	7295	7480	7946	8187	8832	10122	11411	11852

NOTES:

- 1) Lumber must be SPF No. 2 DRY or better at time of fabrication.
- 2) Splices are to be modeled as "pinned" in design (i.e. no moment plating).
- 3) Capacities shown are for two plates installed on opposite faces of splice and based on factored loads.
- 4) Main plates are to be centered at splice location. Side plates are to be flush with outside edge of chord and centered lengthwise at splice location.
- 5) If the depth of the side plates exceeds 2 inches, provide blocking. Blocking lumber must be DRY when installing plates.
- 6) Plate placement tolerance = 0.125", and maximum JSI (Joint Stress Index) for Grip = 0.95.
- 7) Capacities shown in **bold italic** are governed only by the metal resistance of the plate.
- 8) Capacities are based on Standard load duration ($K_D = 1.0$).



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