

MiTek Stock No.	Adjustable Height		Extended Length		Column Capacity (supporting steel beam)				No. of Plies	Factored Bearing Resistance, 100% <sup>3</sup>					
	in	mm	in	mm	Allowable Load <sup>1</sup>		Factored Resistance <sup>2</sup>			1-3/4" SCL ( $f_{cp} = 1,365 \text{ psi}$ ) <sup>4</sup>		D Fir-L		S-P-F	
					lb	kN	lb	kN		lb	kN	lb	kN		
BJ25x90	86 - 90	2184 - 2286	90	2286	10000	44.5	14400	64.1	1-Ply	11465	51.0	7310	32.5	5535	24.6
				2-Ply					14400	64.1	14400	64.1	11070	49.2	
BJ25x110	106 - 110	2692 - 2794	110	2794					3-Ply <sup>5</sup>	--	--	12790	56.9	9685	43.1
				4-Ply <sup>5</sup>					--	--	14400	64.1	12915	57.4	

1) Column Allowable Load has been determined through testing standards prescribed in the National Research Council Evaluation Directive for Adjustable Steel Columns using a safety factor of 2.25.

2) The Factored Resistance of the column is soft converted by multiplying the Allowable Load by 1.44.

3) Factored Bearing Resistances are for standard term loading; reduce for other load durations in accordance with the code.

4) SCL Factored Bearing Resistance assumes 1-3/4" ply width and specified compression perpendicular to grain  $f_{cp} = 1,365 \text{ psi}$  (9.4 MPa). For beams of **weaker specified  $f_{cp}$  or smaller width**, calculate the Factored Beam Bearing Resistance as follows: overall beam width x plate length x  $f_{cp}$  x 0.8. Use the minimum of the calculated "Factored Beam Bearing Resistance" and the "Factored Resistance of the Column Capacity supporting steel beam" as the Factored Resistance of the column supporting the respective beam.

5) For 3-ply or 4-ply 2x beams, rotate plate to ensure full plate coverage over the width of the beam.

6) Column is not capable of resisting lateral or uplift load.

New products or updated product information are designated in [blue font](#).