



Joist Series	Permanent Loads ( $k_1=0.57$ )	Max Shear Capacity (kN)			
		Floor Live Loads		Roof Live Loads	
		Distributed ( $k_1=0.69$ )	Concentrated ( $k_1=0.77$ )	Distributed ( $k_1=0.77$ )	Concentrated ( $k_1=0.86$ )
SJ-20	7.5	8.4	7.4	8.7	7.4
SJ-45	7.9	8.4	8.0	8.7	7.9
SJ-70	7.5	8.4	7.4	8.7	7.4
SJ-90	8.5	9.4	8.2	9.8	8.1

## NOTES

1. Details listed above are only applicable for roof pitches between 20 and 30 degrees.
2. Heel height must be no less than 130mm measured as shown in figure above.
3. Web Stiffening Rimboard or Structural Plywood must extend past the top edge of the taper cut by a minimum of 600mm.
4. Web Stiffening must be fixed using 75x3.05mm Framing Nails staggered and clinched along with Builders Adhesive compliant with AS4364-2010.
5. Additional Web Stiffening required under offset load bearing walls which are not positioned over the Taper Cut reinforcing.
6. Continuous Blocking required to joists along taper cut. Alternatively a continuous battens may be installed to the top flange of the I-Joist at 600mm centres maximum or sheet flooring may be extended to taper cut.