

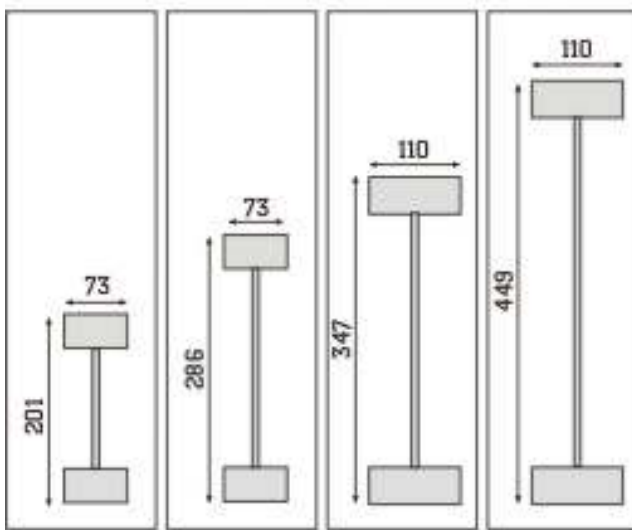
# TIMBER I-BEAMS Technical Data

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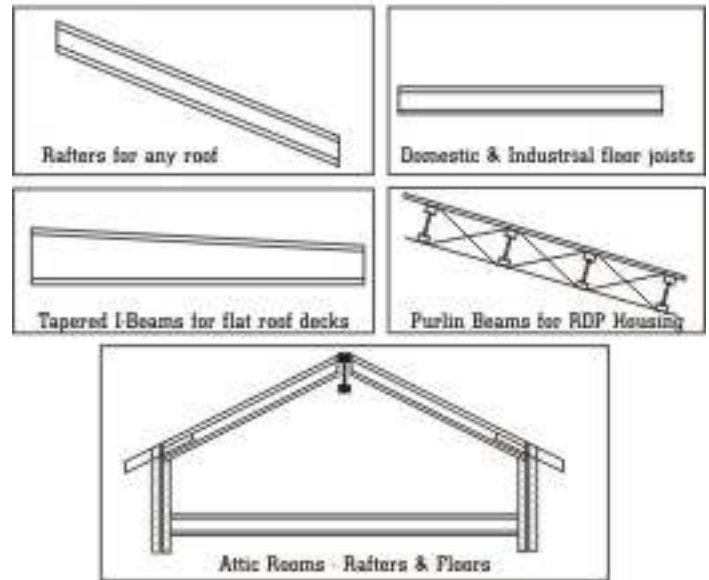
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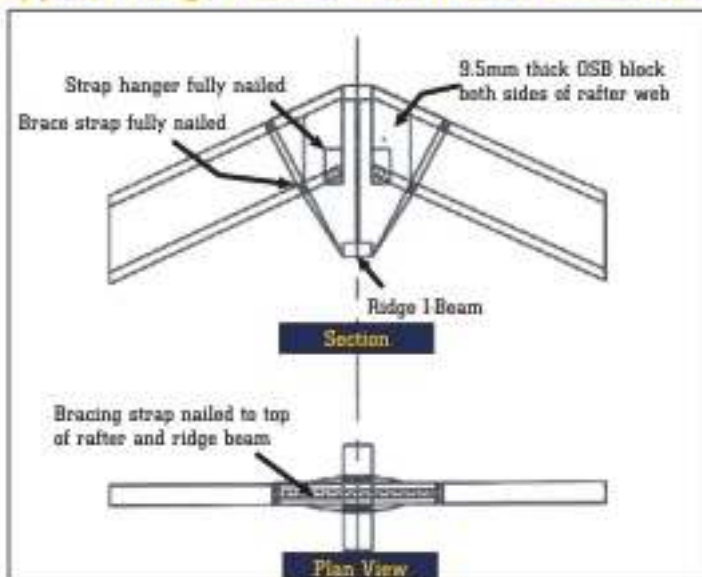
## Superspan Structural Systems Range of Timber Structural I-Beams



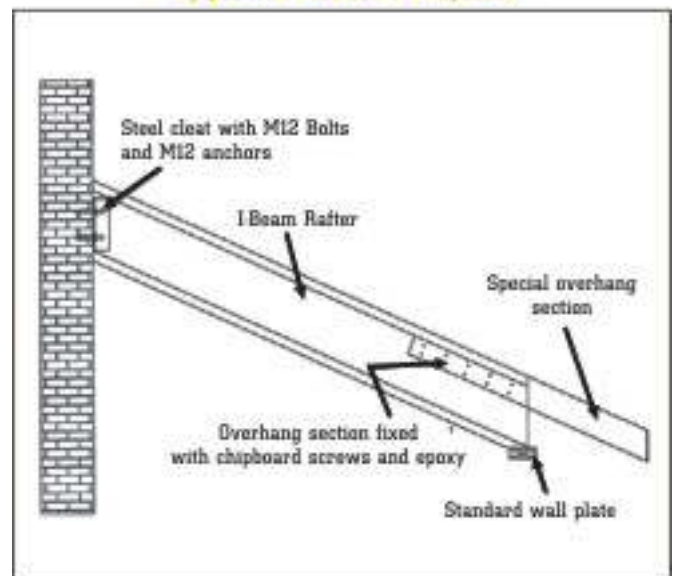
## Typical Applications



## Typical Ridge I-Beam and Rafter Connection



## Typical Rafter Layout



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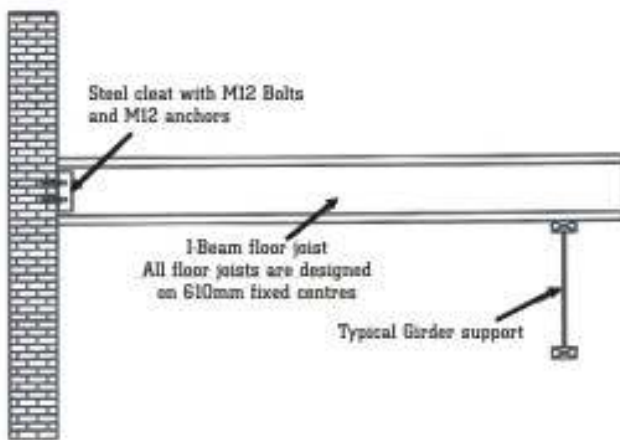
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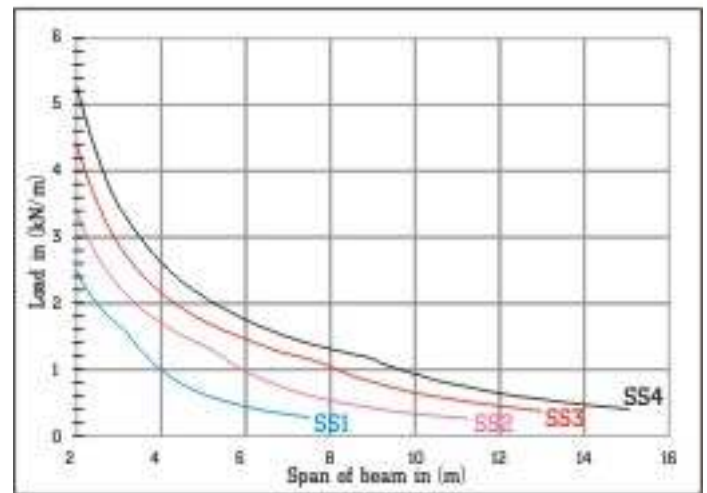
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## Typical Connection - Floor Joist to Wall



## Graph of Load Span Table



## Safe Load Table

	T. depth (mm)	b (mm)	t flange (mm)	t web (mm)	EI (N.mm <sup>2</sup> )	J (mm <sup>4</sup> )	Z (mm <sup>3</sup> )	M <sub>allow</sub> (kNm)	V <sub>allow</sub> (kN)
SS1	201	73	36	9.5	3.3897E+11	2.3226E+06	3.7476E+05	2.661	2.571
SS2	286	73	36	9.5	7.9854E+11	2.3568E+06	6.2047E+05	4.405	3.387
SS3	347	110	36	9.5	1.0465E+12	3.5322E+06	1.1825E+06	6.396	4.355
SS4	449	110	36	9.5	3.3442E+12	3.5733E+06	1.655E+06	11.751	5.258

## Load Span Table

I-Beam Reference	Floors max Span M	Floors max Span M	Roofs max Span M	Roofs max Span M	Roofs max Span M
	Domestic Spaced 600mm c/c	Commercial Spaced 600mm c/c	Concrete Tiles Spaced 760mm c/c	Metal Sheeting Spaced 1350mm c/c	F.C. Sheeting Spaced 1350mm c/c
SS1	4.5	Engineering	4.0	4.0	4.0
SS2	6.0	Engineering	7.0	7.0	7.0
SS3	8.0	Engineering	9.0	9.0	9.0
SS4	10.0	Engineering	Engineering	Engineering	Engineering

## I-Beam Sizes

I-Beam Sizes	Flange Width mm	I-Beam Depth mm
SS1	73	201
SS2	73	286
SS3	110	347
SS4	110	449

I-Beams are available in the following Lengths:  
6.0m & 9.0m

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