

# easi-joist<sup>®</sup> metal web span table

21/09/2005

## MS200 Table Results compiled using NHBC test data - 14mm Deflection Max - Nail Slip 33000 N/mm2

dl=dead load il=imposed load			<b>Floor Loading(kNm<sup>2</sup>)</b> Top Chord il: 1.50 Top Chord dl: 0.25 Bottom Chord dl: 0.25 <b>Total: 2.00</b>		<b>Floor Loading(kNm<sup>2</sup>)</b> Top Chord il: 1.50 Top Chord dl: 0.50 Bottom Chord dl: 0.25 <b>Total: 2.25</b>	
Centres of Beams (mm)	Flange Size (mm)	Joist Depth (mm)	Timber Grade TR26 Span (mm)	Timber Grade TR26 Span (mm)	Timber Grade TR26 Span (mm)	Timber Grade TR26 Span (mm)
400	72 x 35	195	4,045	3,860		
	97 x 35	195	4,452	4,241		
400	72 x 47	219	4,685	4,482		
	97 x 47	219	5,032	4,863		
600	72 x 35	195	3,430	3,252		
	97 x 35	195	3,574	3,248		
600	72 x 47	219	3,968	3,654		
	97 x 47	219	4,258	3,762		

## MS250 Table Results compiled using NHBC test data - 14mm Deflection Max - Nail Slip 33000 N/mm2

dl=dead load il=imposed load			<b>Floor Loading(kNm<sup>2</sup>)</b> Top Chord il: 1.50 Top Chord dl: 0.25 Bottom Chord dl: 0.25 <b>Total: 2.00</b>		<b>Floor Loading(kNm<sup>2</sup>)</b> Top Chord il: 1.50 Top Chord dl: 0.50 Bottom Chord dl: 0.25 <b>Total: 2.25</b>	
Centres of Beams (mm)	Flange Size (mm)	Joist Depth (mm)	Timber Grade TR26 Span (mm)	Timber Grade TR26 Span (mm)	Timber Grade TR26 Span (mm)	Timber Grade TR26 Span (mm)
400	72 x 35	230	4,649	4,426		
	97 x 35	230	5,002	4,592		
400	72 x 47	254	5,144	4,978		
	97 x 47	254	5,522	5,338		
600	72 x 35	230	3,500	3,192		
	97 x 35	230	3,506	3,198		
600	72 x 47	254	4,536	3,944		
	97 x 47	254	4,828	4,512		

## MS300 Table Results compiled using NHBC test data - 14mm Deflection Max - Nail Slip 33000 N/mm2

dl=dead load il=imposed load			<b>Floor Loading(kNm<sup>2</sup>)</b> Top Chord il: 1.50 Top Chord dl: 0.25 Bottom Chord dl: 0.25 <b>Total: 2.00</b>		<b>Floor Loading(kNm<sup>2</sup>)</b> Top Chord il: 1.50 Top Chord dl: 0.50 Bottom Chord dl: 0.25 <b>Total: 2.25</b>	
Centres of Beams (mm)	Flange Size (mm)	Joist Depth (mm)	Timber Grade TR26 Span (mm)	Timber Grade TR26 Span (mm)	Timber Grade TR26 Span (mm)	Timber Grade TR26 Span (mm)
400	72 x 35	280	5,233	4,833		
	97 x 35	280	5,426	4,836		
400	72 x 47	304	5,717	5,529		
	97 x 47	304	6,136	5,936		
600	72 x 35	280	3,660	3,254		
	97 x 35	280	3,662	3,260		
600	72 x 47	304	5,022	4,704		
	97 x 47	304	5,034	4,716		

## MS400 Table Not NHBC Compliant - 14mm Defl. - Nail Slip 50000 N/mm2

dl=dead load il=imposed load			<b>Floor Loading(kNm<sup>2</sup>)</b> Top Chord il: 1.50 Top Chord dl: 0.25 Bottom Chord dl: 0.25 <b>Total: 2.00</b>		<b>Floor Loading(kNm<sup>2</sup>)</b> Top Chord il: 1.50 Top Chord dl: 0.50 Bottom Chord dl: 0.25 <b>Total: 2.25</b>	
Centres of Beams (mm)	Flange Size (mm)	Joist Depth (mm)	Timber Grade TR26 Span (mm)	Timber Grade TR26 Span (mm)	Timber Grade TR26 Span (mm)	Timber Grade TR26 Span (mm)
400	72 x 35	393				
	97 x 35	393				
400	72 x 47	417				
	97 x 47	417				
600	72 x 35	393				
	97 x 35	393				
600	72 x 47	417				
	97 x 47	417				