

# TABLE OF CRANE GIRDER ALLOWABLE SPAN

## Single Rail

Girder section	Dimensions AxBxt1xt2	(kg/m)	Allowable span (m)								
			500kg	1.0t	1.5t	2.0t	2.5t	3.0t	5.0t	7.5t	10t
 I-beam	I-200x100x7x10	26	6.0	4.6							
			6.0								
	I-250x125x7.5x12.5	38.3	8.6	6.7	5.5	4.5	4.0				
			8.3	6.1							
	I-250x125x10x19	55.5	11.2	8.2	6.9	6.0	5.4	4.9			
			11.2	8.2	6.9	6.0	5.4	4.9			
	I-300x150x8x13	48.3	10.2	9.0	6.8	6.1	5.6	4.9			
			10.0	7.6							
	I-300x150x10x18.5	65.5	11.6(11.2)	10.2	8.5	7.7	6.8	6.2	3.8		
			11.6(11.2)	10.2	8.5	7.4	6.7		4.3		
	I-300x150x11.5x22	76.8	11.6(11.2)	11.2	9.4	8.2	7.5	6.9	5.4		
			11.6(11.2)	11.2	9.4	8.2	7.5	6.9	5.0		
	I-350x150x9x15	58.5	11.2	9.4	7.8	6.9	6.4	6.0	3.6		
			11.0	9.0	7.7						
	I-350x150x12x24	87.2	11.6(11.2)	11.6(11.2)	11.3(11.2)	9.9	9.0	8.3	6.6	4.5	
			11.6(11.2)	11.6(11.2)	11.3(11.2)	9.9	9.0	8.3	6.1	4.2	3.1
I-400x150x10x18	72	11.6(11.2)	11.0	9.3	8.3	7.6	7.2	5.6			
		11.6(11.2)	10.6	8.7	8.1	7.5		5.1			
I-400x150x12.5x25	95.8	11.6(11.2)	11.6(11.2)	11.6(11.2)	11.3(11.2)	10.3	9.2	6.8	5.2	3.9	
			11.6(11.2)	11.6(11.2)	11.2	9.4	8.7	6.6	4.8	3.6	
I-450x175x11x20	91.7	11.6(11.2)	11.6(11.2)	11.6(11.2)	10.5	9.6	8.8	6.8	5.6		
			11.6(11.2)	11.0	10.7	9.9	9.3	6.8			
I-450x175x13x26	115	11.6(11.2)	11.6(11.2)	11.6(11.2)	11.6(11.2)	11.6(11.2)	11.1	8.5	6.8	5.4	
						11.6(11.2)	11.4(11.2)	10.5	8.1	6.5	4.8

■ : For electric chain hoist.

□ : For wire rope hoist.

•Above data are calculated according to crane standard in Japan: Deflection=Within 1/1000×span. Allowable bending stress=Within 1390 kg/cm<sup>2</sup>

•Shop drawing for girder available on your request.

•Figures in parentheses are data for Low-head cranes.