

### DESCRIPTION

Crane Rail Strips CRUG and CRHD are designed to reduce the problems associated with using a crane rail - fretting corrosion, vibration and noise transmission and structural fatigue.

### APPLICATION

CRUG is the general purpose grade and is designed for use up to 5N/mm<sup>2</sup> stress.

CRHD is the heavy duty grade and is designed for use up to 17N/mm<sup>2</sup> stress.

Both versions are supplied at 5.5mm thick and are highly resistant to the oils and greases associated with crane rail use.

### TYPICAL PHYSICAL PROPERTIES

Test	Method	Conditions	Data	Units
<b>CRUG</b>				
Hardness	ISO 48		83	°IRHD
Max Working Stress			5	N/mm <sup>2</sup>
Deflection at 5 N/mm <sup>2</sup>			0.2	mm
Static Stiffness		0 - 5 N/mm <sup>2</sup>	30	N/mm <sup>3</sup>

Test	Method	Conditions	Data	Units
<b>CRHD</b>				
Hardness	ISO 48		73	°IRHD
Max Working Stress			17	N/mm <sup>2</sup>
Deflection at 5 N/mm <sup>2</sup>			0.8	mm
Static Stiffness		0 - 17 N/mm <sup>2</sup>	25	N/mm <sup>3</sup>

### RECOMMENDATION CHART FOR BSC METRIC STANDARD RAILS

Crane Rail KG/M	Strip Width mm	Static Wheel Load (Tonnes)															
		5	10	15	20	25	30	35	40	45	50	55	60	70	80	90	
33	105	UG	UG	HD	HD												
56	166	UG	UG	UG	UG	HD	HD	HD									
57	135	UG	UG	UG	UG	HD	HD	HD									
89	173	UG	UG	UG	UG	UG	HD	HD	HD	HD							
101	160	UG	UG	UG	UG	UG	UG	UG	HD	HD	HD	HD					
164	225	UG	UG	UG	UG	UG	UG	UG	UG	UG	UG	UG	HD	HD	HD	HD	

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