Rockfon

DATASHEET

Chicago Metallic Bandraster + Standard Z

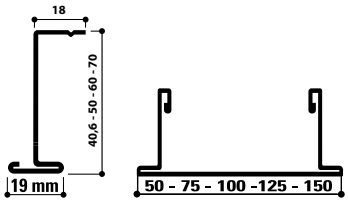


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Chicago Metallic Bandraster + Standard Z

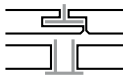
- A ceiling system suitable for large spaces where a linear ceiling pattern is required
- Provides great flexibility for large span distances and the positioning of partition walls
- Combines a Bandraster main runner (available in five widths BR 50mm – BR 150mm) and a series of Z profiles installed perpendicular to the main runner and to ensure the stability of the system

Cross-section



Compatible tiles

Semi-concealed



Assortment

Product group		Component description	Height (mm)	Length (mm)	Colour	Pcs per pack	Lm per pack	Kg per pack	Carton per pallet	Kg per pallet
Main runner										
BR50		Bandraster main runner 50mm – without slots	35.4	3600	11, 001	8	28.8	23.7	50	1185
BR75		Bandraster main runner 75mm	35.4	3600	11, 001	8	28.8	27.5	35	964
BR100		Bandraster main runner 100mm - without slots	35.4	3600	11, 001	8	28.8	30.9	30	928
BR125		Bandraster main runner 125mm	35.4	3600	001	4	14.4	20.4	35	713
BR150		Bandraster main runner 150mm	35.4	3600	001	4	14.4	22.4	30	672
Z-section										
Z40		Z-section 40mm	40.6			20			80	
Z50		Z-section 50mm	50			20			80	
Z70		Z-section 70mm	70.6			10			80	
Z40 HOOK		Z-section 40mm with hook	40.6			20			80	
Z50 HOOK		Z-section 50mm with hook	50			20			80	
Z70 HOOK		Z-section 70mm with hook	70.6			10				
Wall angle options										
L19x32		Perimeter wall angle trim 32 x 19 x 3050mm	32	3050	Color-all, 88, 11, 001	40	122	27.3	60	1635
W8x12		Shadow angle 15 x 12 x 8 x 15 x 3050mm	15	3050	88, 11, 001	30	91.5	17.9	60	1075

There are compatible accessories for all width of Bandrasters, 50-150mm. See Rockfon System Bandraster Dznl/AEX for further information.
Please note that some - not all - products are available in colour. To see which colours are available, please check the assortment table in the relevant Product Datasheet. If you need further assistance or have specific colour preferences, please contact Rockfon.



Product group		Component description	Height (mm)	Length (mm)	Colour	Pcs per pack	Lm per pack	Kg per pack	Carton per pallet	Kg per pallet
Accessories										
BR50 LC		Length coupling for bandraster 50mm				25		1.6		
BR50 WC		Wall connector for bandraster 50mm				25		1.5		
BR50 H		Flat hanger for bandraster 50mm	100			100		1.9		
BR50 HB		Bent hanger for bandraster 50mm	84.5			100		1.8		
BR50 CC		Cross connector for bandraster 50mm				25		1.5		
NH BR50		Nonius hanger for bandraster 50mm	133.3			100		3.4		
WSF		Wall Spring FIXT				100		0.6		

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Performance

Load bearing capacity

It is recommended to use a Z profile with hook every 3 to 5 panels, depending on the width of the panel: 300 mm = 5 / 600 mm = 3.

max. span (mm) - maximum deflection = L/500 (max. 4 mm)						
Z-section 40 mm	axis/axis distance	maximum hanger distance (mm)				
		kg/m² of ceiling				
		3	5	7	9	12
Z-section 40 mm	300	2790	2540	2370	2240	2100
	400	2650	2390	2220	2100	1970
	500	2540	2280	2120	2000	1870
	600	2440	2190	2030	1920	1790

It is recommended to use a Z profile with hook every 3 to 5 panels, depending on the width of the panel: 300 mm = 5 / 600 mm = 3.

max. span (mm) - maximum deflection = L/500 (max. 4 mm)						
Z-section 50 mm	axis/axis distance	maximum hanger distance (mm)				
		kg/m² of ceiling				
		3	5	7	9	12
Z-section 50 mm	300	3220	2930	2740	2600	2430
	400	3060	2770	2580	2440	2280
	500	2930	2640	2450	2320	2170
	600	2830	2540	2360	2220	2080

It is recommended to use a Z profile with hook every 3 to 5 panels, depending on the width of the panel: 300 mm = 5 / 600 mm = 3.

max. span (mm) - maximum deflection = L/500 (max. 4 mm)						
Z-section 60 mm	axis/axis distance	maximum hanger distance (mm)				
		kg/m² of ceiling				
		3	5	7	9	12
Z-section 60 mm	300	3460	3160	2960	2810	2640
	400	3290	2990	2780	2640	2470
	500	3160	2850	2650	2510	2350
	600	3050	2740	2550	2400	2250

It is recommended to use a Z profile with hook every 3 to 5 panels, depending on the width of the panel: 300 mm = 5 / 600 mm = 3.

max. span (mm) - maximum deflection = L/500 (max. 4 mm)						
Z-section 70 mm	axis/axis distance	maximum hanger distance (mm)				
		kg/m² of ceiling				
		3	5	7	9	12
Z-section 70 mm	300	3770	3450	3230	3070	2880
	400	3590	3260	3040	2880	2700
	500	3450	3120	2900	2740	2570
	600	3330	3000	2790	2630	2460

Reaction to fire

A1

Corrosion Resistance

B

Environment

Fully recyclable

Understanding the performance of Chicago Metallic grids and accessories

Reaction to fire

Reaction to fire is classified in accordance with EN 13501-1. Chicago Metallic steel grids and accessories are non-combustible.

Fire resistance

A range of Chicago Metallic steel grids are tested in combination with different Rockfon tiles and are classified in accordance with European norm EN 13501-2 and/or national norms.

Colours

Chicago Metallic grids are available in various colours from the RAL and NCS systems, which are measured following the ISO 7724-2 and ISO 7724-3 standards. The actual colours may deviate slightly from the RAL and NCS references. Chicago Metallic grids are available in a variety of finishes from matt to high gloss, with a respective average of < 5, 15 and 50 units at a 60° angle. The matt finishing is measured at an angle of 85°. See the colour legend for their average values. The gloss unit is measured in accordance with EN13523 part 2.

Corrosion resistance

Chicago Metallic products produced from hot dip galvanised steel following the Sendzimir process comply with the corrosion classes of the product standard EN 13964 (A, B, C, D). The standard systems in class B are protected with 100 g/m² zinc evenly applied on both sides. The enhanced corrosion resistance (ECR) systems and accessories in class C or D have respectively a layer of 100 g/m² and 275 g/m² zinc evenly applied on both sides and are protected with an additional layer of 20 micron paint per side.

Load bearing performance

The load bearing performance (max. kg/m² load applicable to the grid system without exceeding the allowable deflection of the individual components) is tested in accordance with the EN 13964 standard. The accumulative value of the system deflection, shown on the data sheets, does not exceed the max. deflection as given in class 1 of the standard. Special project configurations deviating from the standard module sizes mentioned in the data sheets must be calculated by Rockfon technical services.

Cleaning

All Chicago Metallic grids can be cleaned with water and a mild detergent in combination with a melamine foam sponge or microfiber cloth.

Colour legend

Please note that some – not all – products are available in colour. To see which colours are available, please check the assortment table in the relevant Product Datasheet. If you need further assistance or have specific colour preferences, please contact Rockfon.

White 001 *RAL 9003*	White 901 *RAL 9010*	White 01 White 916	Matt White 11 *RAL 9003*	*L value: 93 Gloss: 2 at both a 60° and 85° angle*
Platinum 54 *RAL 7035*	Alugrey 04 *RAL 9006*	Galvanised 00 Galvanised 69	Matt Black 88 *RAL 9004*	*Gloss: 4.5 at 60° angle and 11.5 at 85° angle*
Brushed Alu 534	High Gloss Chrome 14	Carrara 57	High Gloss Brass 16	
White 001 / White 001 (8WW) *RAL 9003 / RAL 9003*	Black 08 / Black 08 (8BB) *RAL 9005 / RAL 9005*	White 001 / Black 08 (8WB) *RAL 9003 / RAL 9005*	Alugrey 04 / Black 08 (8GB) *RAL 9006 / RAL 9005*	

Rockfon Color-all®



** Colour contains effect pigments.*
*** Colour is between NCS S 5030-R90B and NCS S 6030-R90B.*
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NCS codes are closest colour match. The actual colour of the Rockfon Color-all® grid may deviate slightly from printed colours due to the texture of the surface. Samples are available upon request.

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05.2025 I All colour codes mentioned are based on the NCS - Natural Colour System® property of and used on license from NCS Colour AB, Stockholm 2012 or the RAL colour standard. Subject to alterations in range and product technology without prior notice. Rockfon accepts no responsibility for printing errors.