

Pemsaband Vulcan

10/10/2026

Pemsaband Vulcan Heavy Duty (Ref: 82004643)

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Descripción

Ventajas

Aplicaciones

Soluciones



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Datos de producto			
ETIM 10			
Huella de CO2. GWP A1-A3 (kg CO2 eq.)			
Sistema de Protección		PG	
Acabado		PG3, Pregalvanizado	
Clase Resistencia		Clase 3	
Ala (mm)		50	
Ancho (mm)		450	
Longitud (m)		3	
		Material	
		Acero con prot. superficial	
		Impacto (J)	
		20 J	
		Sección (mm2)	
		21843	
		IP	
		IP23	
		Temperatura de trabajo (°C)	
		-50 / 150 °C	
		Comportamiento fuego	
		A1 No combustible	

 Sistema de protección

CU - Cobreado

PG - Pregalvanizado

EZ - Electrocinchado

BC - Electrocinchado Bicromatado

BK8 - Acabado Alta Resistencia

GC - Galvanizado en Caliente

INOX - Acero Inoxidable

PT - Pintura Poliester

AL - Aluminio

LN - Latón or Latón Niquelado

 Materiales Aislantes

PC+ABS - Policarbonato + ABS Libre de halógenos

PVC - Policloruro de Vinilo

PP - Polipropileno Libre de Halógenos

PA6 - Poliamida 6 Libre de Halógenos

PA12 - Poliamida 12 Libre de Halógenos

PU - Poliuretano

PE - Polietileno

NBR - Caucho NBR

PET - Poliestirester Termoplástico

TPV - Termoplástico

Diagramas de carga

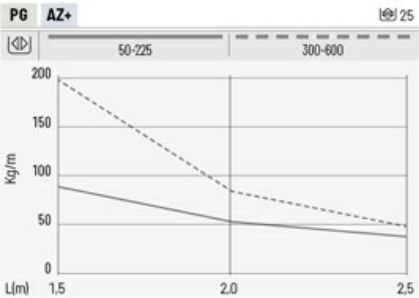
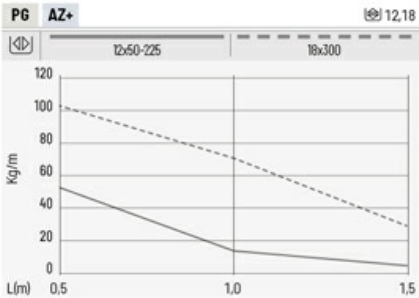
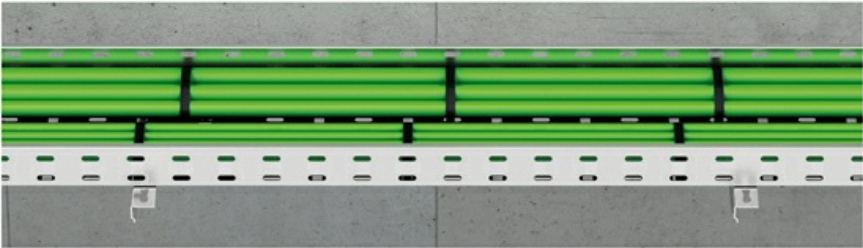


Technical data

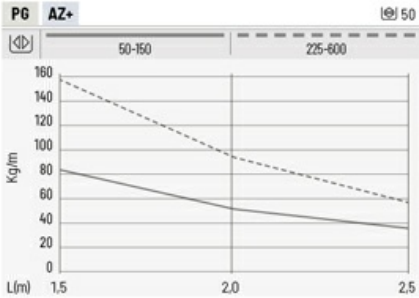
Test for safety working loads installed in the horizontal way

Values obtained in accordance with IEC 61537, edition 3, according to the horizontal tests of multiple spans listed in point 10.3.4 of this standard, with a safety factor of 170% and without collapse in any case.

The safety working loads test on the 750 and 900 mm wide cable trays were carried out in accordance with the test method set out in section 10.4, and also included a safety factor of 170%.



Working loads for widths of 750 and 900 mm on request



Working loads for widths of 750 and 900 mm on request



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Technical data

The technical data for the Pemsaband® Vulcan cable tray range, based on tests carried out in accordance with the international product standard IEC 61537, 3rd edition, is set out below.

Classification according to:  BS-EN 61537	
Type of material	Metallic
According to flame propagation	No flame propagation
Electrical continuity	With electrical continuity
Maximum impedance of a joint of cable trays	<50 mΩ
Maximum impedance along the length of a cable tray	<50 mΩ/m
Maximum impedance along the width of a cable tray	<50 mΩ
Maximum impedance between length and cover	<50 mΩ
Maximum impedance between the length and equipotential bonding (references 68000034 and 68000035, installed according to assembly instructions)	<50 mΩ
Electrical conductivity	Conductive
Resistance against corrosion	
Pregalvanized PG	Class 3
Hot Dip Galvanising GC	
AZ+ High resistance alloy	Class 8
Temperature of transport, storage, installation and use	
Minimum temperature	-50 °C
Máximum temperature	+150 °C
Perforation in the base area	
Pemsaband® Vulcan Perforated	B Classification
Impact strength	Up to 20 J
SWL test (Safety working loads)	
Horizontal SWL test	Spans 0.5, 1, 1.5, 2 and 2.5 meters





Technical data

Test for safety working loads installed in the horizontal way

Values obtained in accordance with IEC 61537, edition 3, according to the horizontal tests of multiple spans listed in point 10.3.4 of this standard, with a safety factor of 170% and without collapse in any case.



Safe working load test conditions for cable trays EN61537

Support Span	0.5 m - 1 m - 1.5 m - 2 m - 2.5 (depending on cable tray height)
Longitudinal deflection	Less than 1% support span
Transverse deflection	Less than 5% of the cable tray width
Placement of joints	$(L/4) > u > (L/5)$
Increased safety coefficient	1.7 times the declared safe working load

The safety working loads test on the 750 and 900 mm wide cable trays were carried out in accordance with the test method set out in section 10.4, and also included a safety factor of 170%.

Maximum Fill Capacity

The load values shown in the load diagrams and tables above are tested and designed to allow operation at the maximum capacity based on the usable tray cross-section shown in the table below:



	50	75	100	150	225	300	450	600	750	900
	mm ²									
12..18	542	822	1102	1662	2502	5000				
25	1171	1776	2381	3591	5406	7083	10653	14223	17158	20608
50	2381	3611	4841	7301	10863	14523	21843	29163	35808	43008

Cable tray configurator and selector

For more precise and specific configurations involving electrical cables, and taking into account the maximum working capacity and the usable cross-sectional area of the trays, Pemsa offers Pemsa Pro, a product configurator that selects the most suitable tray for the user-defined cable configuration. For access and more information, scan this QR code.

