



Rack-Mammut® Floor Rail Barrier Strong

Technical data sheet



The Floor Rail Barrier Strong protects walls, machines or other objects. It is also the ideal solution for keeping vehicles in their lane or as a stop for pallets and stored goods. The Strong floor barrier can be used indoors and outdoors and withstands particularly high forces.



For high traffic

PRODUCT SPECIFICATIONS

Product features	High-performance, durable special plastic absorbs any impact energy and returns to its original shape. It offers extremely low maintenance and repair cost savings on barriers, racking systems, and industrial trucks.	
Material	Polyolefin, UV-resistant, fire class HB, non-conductive, impermeable to most chemical products.	
Colour	Yellow / Black	
Base plate	Steel black lacquered	INOX (RVS 304) No lacquer/coating

IMPACT TEST PARAMETERS & VALUES PER PAS 13:2017, Sec. 7.5

Test conditions	Impact height:	144 mm
	Pendulum Mass (kg):	674,8 kg
	Pendulum Arm Length (m):	1,65 m
	Pendulum Angel (Radius°):	42,6°
	Pendulum Speed (m/s):	2,92 m/s
Kinetic Energy		
	90° impact (Joule):	2.738 J
	45° impact (Joule):	5.476 J
	Deflection (mm):	310 mm

DIMENSIONS

Length/ Height	2000 mm / 166 mm
Ø	Ø 144 mm
Base plate (WxLxH)	240 mm x 100 mm x 8 mm

FIXING

Heavy-duty concrete anchor	L = 110 mm ; Ø = 12 mm ; M12 45 Nm max. tightening torque 19,7 kN min. pull-out force
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SPEED / KG SAMPLE CALCULATION

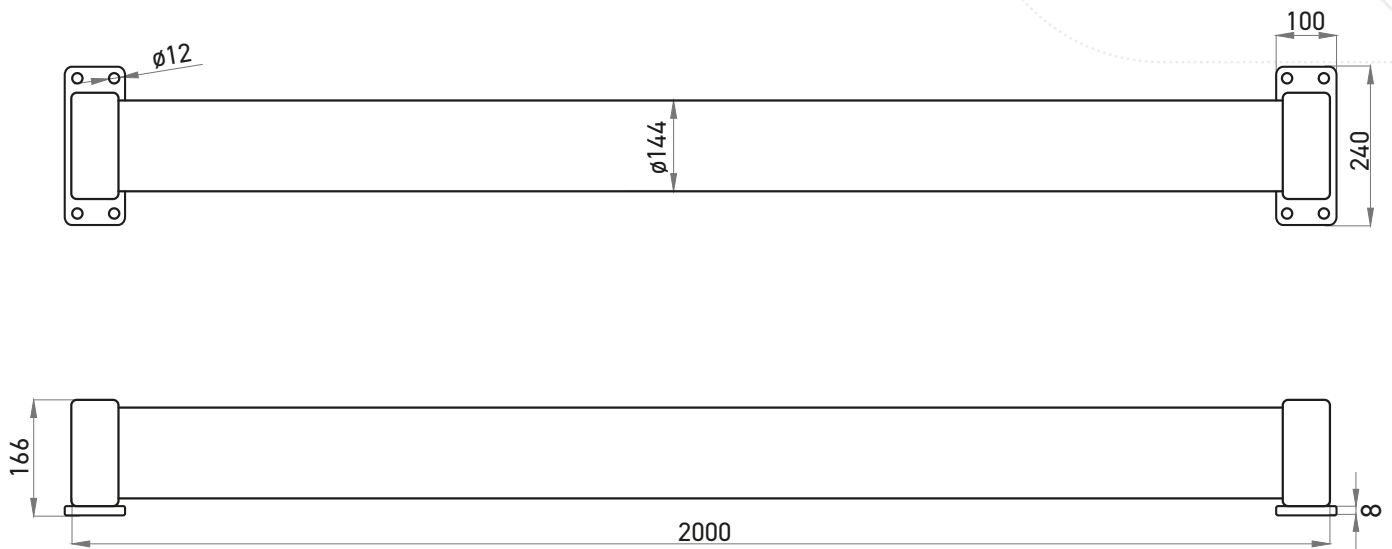
Reference speed	7,5 km/h	For a vehicle with a gross weight of 2.520 kg with an impact angle of 45°
Calculation	$\frac{1}{2} \text{ Mass (kg)} \times \text{Speed}^2 \text{ (m/s)} = \text{Joules}$ (Formula applies for an impact angle of 45°)	





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Watch the test
video here!