



# Rack-Mammut® Pedestrian Handrail Barrier Flex

Technical data sheet



The handrail is the perfect solution for demarcation of pedestrian areas and vehicle zones and other potential sources of danger - both are for indoors and outdoor areas. The visual marking the traffic routes are clearly demarcated.

The flexible, energy-absorbing handrail dissipates energy and protects both pedestrians and and vehicle drivers.



For frequented pedestrian areas

## 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	<b>Impact height:</b>	505 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
<b>Kinetic Energy</b>		
	90° impact (Joule):	2.738 J
	45° impact (Joule):	5.476 J
	Deflection (mm):	590 mm

## DIMENSIONS

Length/ Height	2000 mm / 1100 mm
Ø	Ø 125 mm bollard / Ø 90 mm handrail
Base plate (WxLxH)	160 mm x 160 mm x 8 mm

## SPEED / KG SAMPLE CALCULATION

Reference speed	<b>7,5 km/h</b>	For a <b>vehicle</b> with a gross weight of <b>2.520 kg</b> 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°)	

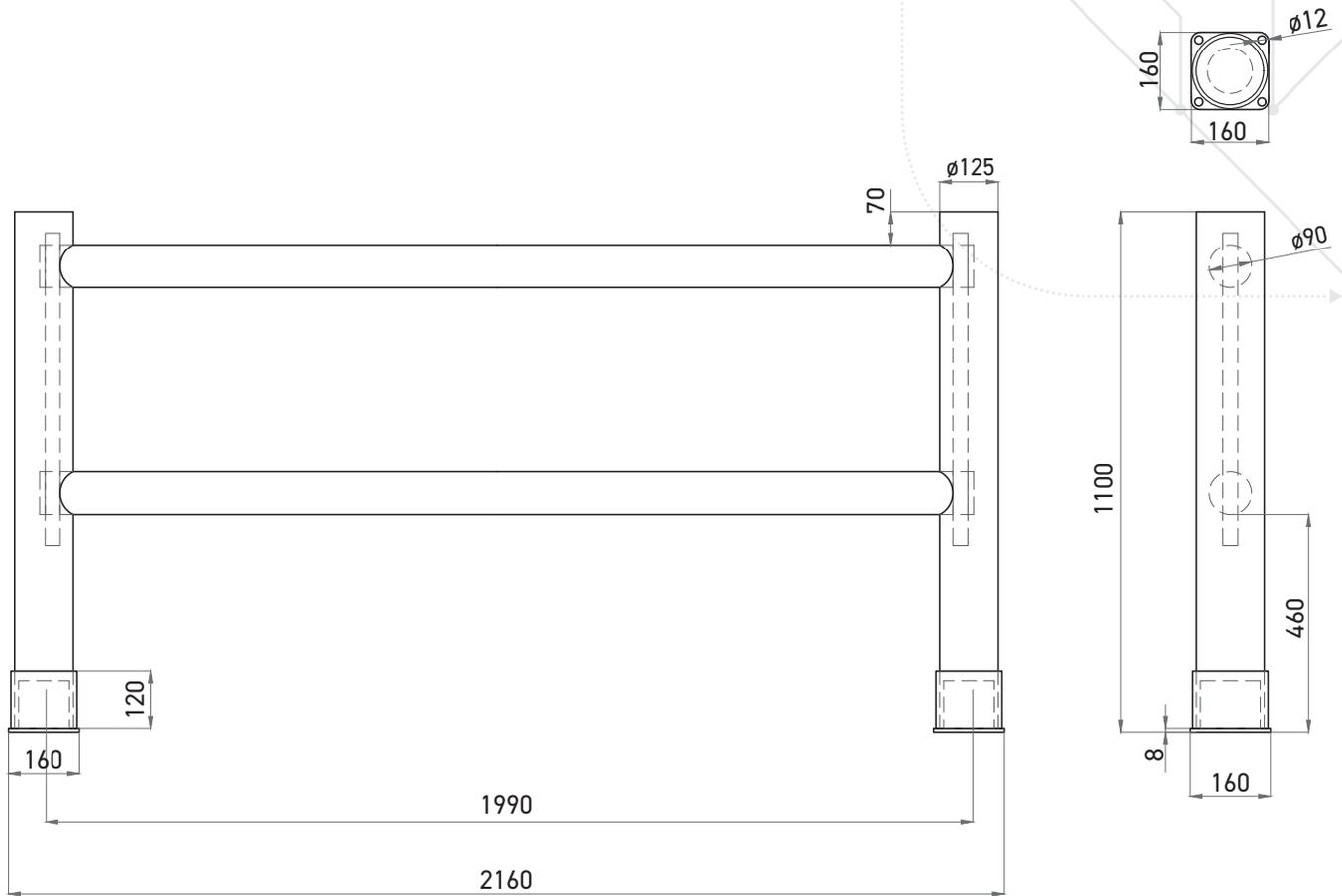
## FIXING

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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Watch the test  
video here!