



# Rack-Mammut® Double Bumper Pedestrian Barrier

Technical data sheet



The Double Bumper Pedestrian Barrier is ideal for the separation of footpaths and driveways. It offers maximum safety due to the ballistic plastic - (elastic, resilient, form stable). The Single Bumper Pedestrian Barrier is compatible with the Rack-Mammut® Swing Gate system and ideal for heavily frequented areas with extrem high forklift traffic.



For very 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	<b>Impact height:</b>	516 mm
	Pendulum Mass (kg):	2504,8 kg
<b>Kinetic Energy</b>	Pendulum Arm Length (m):	1,53 m
	Pendulum Angel (Radius°):	48°
	Pendulum Speed (m/s):	3,15 m/s
	90° impact (Joule):	11.817 J
	45° impact (Joule):	23.634 J
	Deflection (mm):	325 mm

## DIMENSIONS

Length/ Height	2000 mm / 1100 mm
Ø	Ø 180mm bollard / Ø 90 mm handrail / Ø 144 mm connecting tube
Base plate (WxLxH)	210 mm x 210 mm x 12 mm

## SPEED / KG SAMPLE CALCULATION

Reference speed	<b>7 km/h</b>	For a <b>vehicle</b> with a gross weight of <b>12.500 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°)	

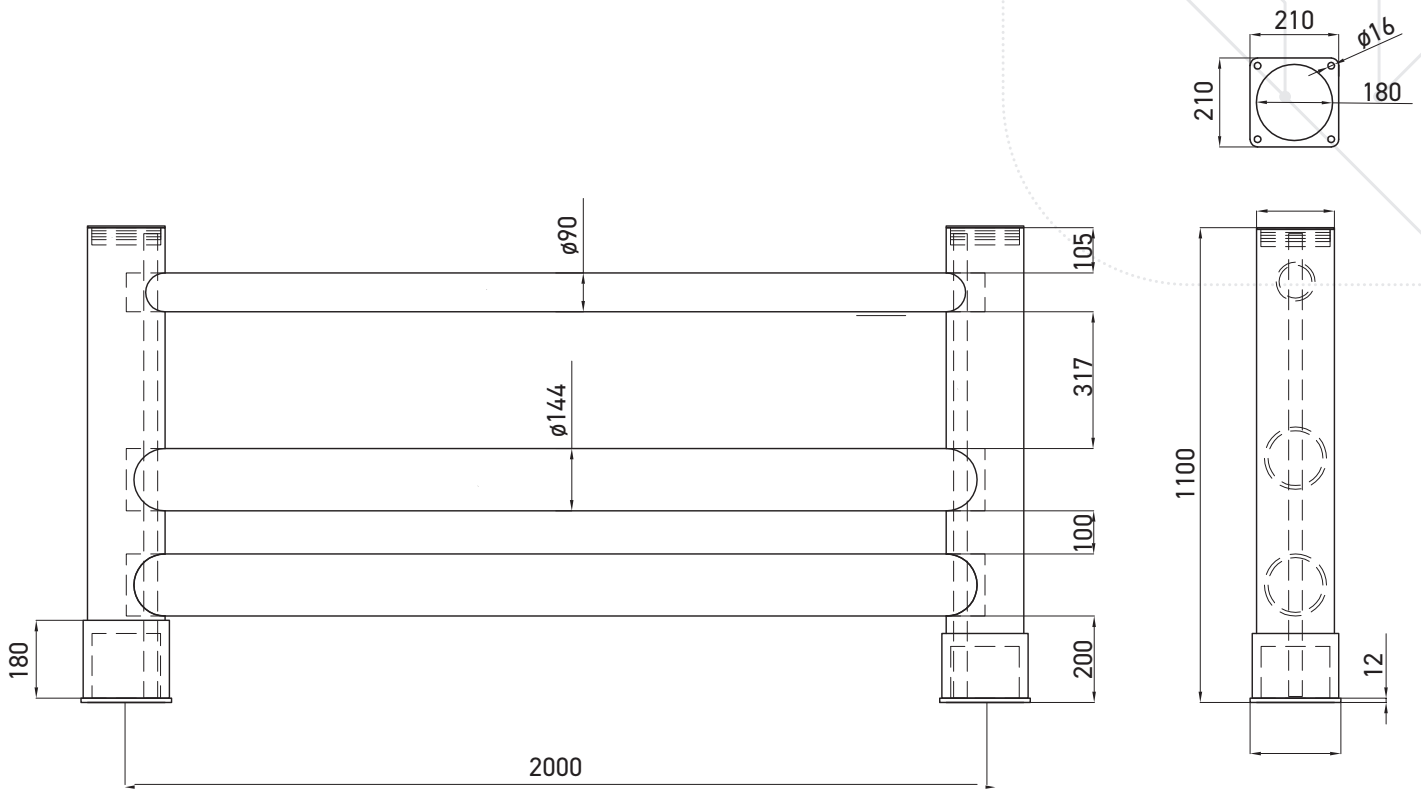
## FIXING

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!