Rack-Mammut®
Double Bumper Barrier
Technical data sheet

The Double Bumper Barrier was developed for both indoor and outdoor use. Due to its modular design, it can be extended as required. The double planks of the crash barrier protect buildings, machinery and equipment from intensive vehicle traffic. This flexible, durable barrier provides guidance to vehicle drivers and protects critical assets by absorbing high impact energy.

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:**	373 mm
	Pendulum Mass (kg):	2258,8 kg
	Pendulum Arm Length (m):	1,53 m
	Pendulum Angel (Radius°):	48°
	Pendulum Speed (m/s):	3,15 m/s
	Kinetic Energy	
	90° impact (Joule):	10.657 J
	45° impact (Joule):	21.313 J
	Deflection (mm):	350 mm

DIMENSIONS

Length/ Height	2000 mm / 650 mm
Ø	Ø 180 mm base / Ø 144 mm connecting tube
Base plate (WxLxH)	210 x 210 x 12 mm

SPEED / KG SAMPLE CALCULATION

Reference speed	**7 km/h**	For a **vehicle** with a gross weight of **11.250 kg** with an impact angle of 45°
Calculation	½ Mass (kg) x Speed2 (m/s) = 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

RACK-MAMMUT BARRIER

TÜV NORD
TÜV NORD Polska Sp. z o.o.
Produkt geprüft
■ Produktionskontrolle
■ PAS 13:2017, Sec. 7.5 (Pendelschlagversuch)
No. 0000109023
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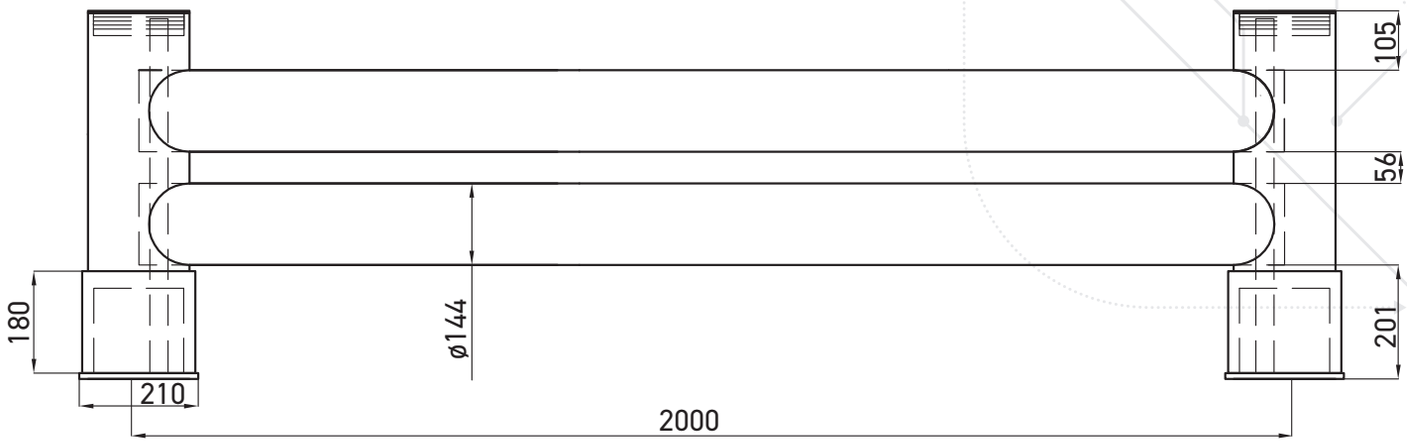

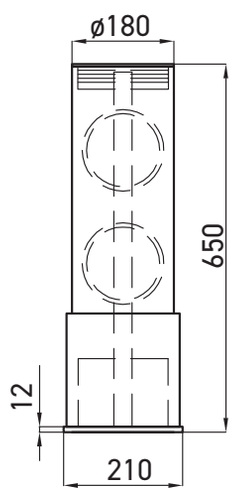

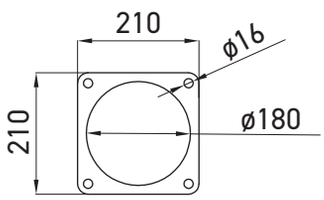

Watch the test video here!