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:	376 mm
	Pendulum Mass (kg):	674,8 kg
	Pendulum Arm Length (m):	1,65 m
	Pendulum Angel (Radius°):	72,8°
	Pendulum Speed (m/s):	4,77 m/s
	Kinetic Energy	
	90° impact (Joule):	7.308 J
	45° impact (Joule):	14.616 J
	Deflection (mm):	390 mm

DIMENSIONS

Length/ Height	2000 mm / 690 mm
Ø	Ø 144 mm base / Ø 200 mm connecting tube
Base plate (WxLxH)	160 mm x 220 mm x 12 mm

SPEED / KG SAMPLE CALCULATION

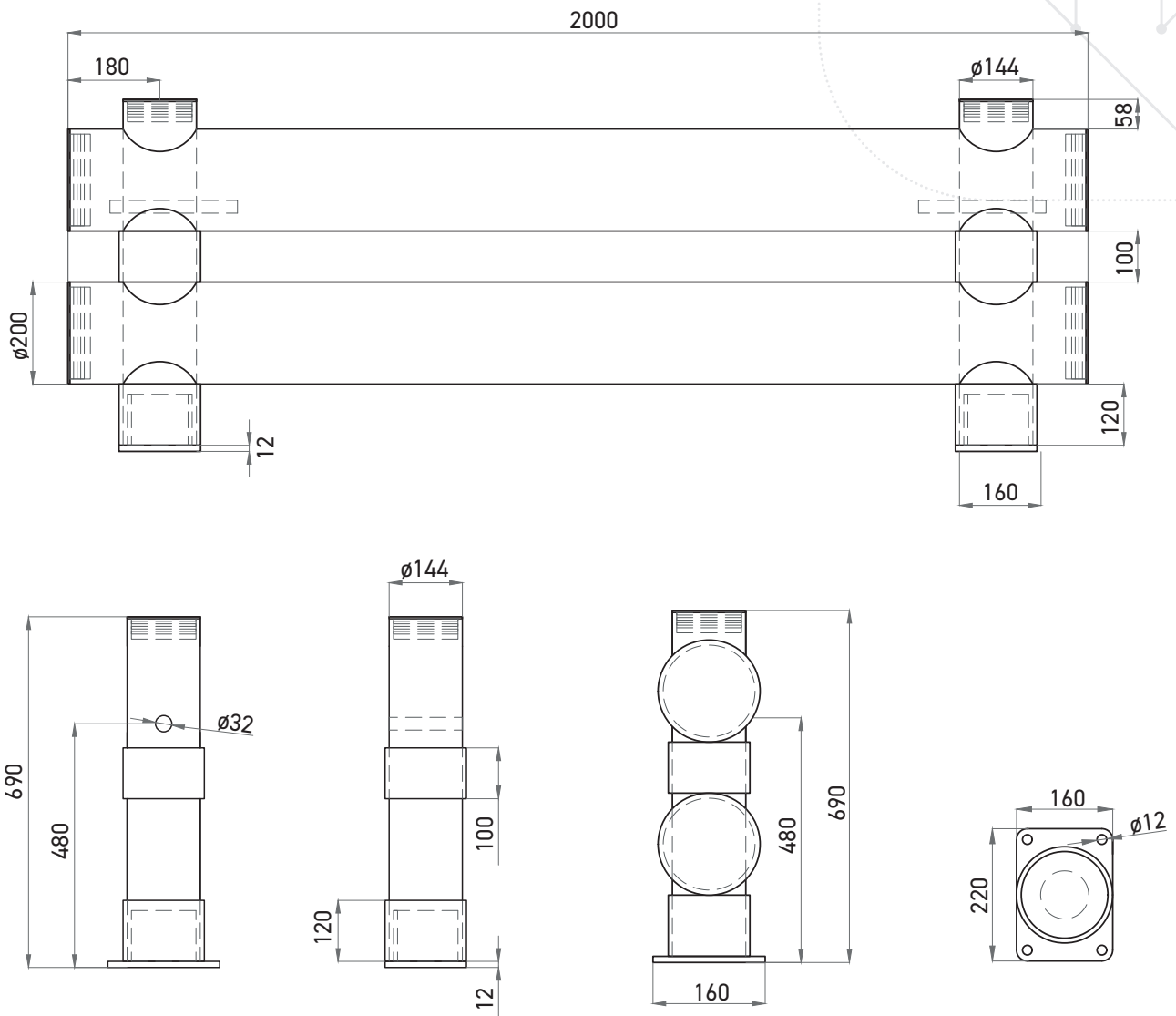|		
Reference speed	**7,5 km/h**	For a **vehicle** with a gross weight of **6.730 kg** with an impact angle of 45°
Calculation		½ Mass (kg) x Speed2 (m/s) = Joules (Formula applies for an impact angle of 45°)

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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2000
180
ø144
58
100
ø200
12
120
160

ø144
690
480
ø32
100
120
12

690
480
160

160
220
ø12