



# Rack-Mammut® Bollard 900 mm

Technical data sheet



The Bollard is ideal for marking and securing danger spots in indoor and outdoor areas. The bollard can be used in a variety of ways, such as in front of doors, roller shutter doors, control panels, walls, driveways, corners and places where machinery needs to be protected. Its warning signal colour encourages drivers to remain alert.



For medium-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:	750 mm
	Pendulum Mass (kg):	572,4 kg
	Pendulum Arm Length (m):	1,65 m
	Pendulum Angel (Radius°):	37,6°
	Pendulum Speed (m/s):	2,59 m/s
<b>Kinetic Energy</b>		
	90° impact (Joule):	1.827 J
	Deflection (mm):	290 mm

## DIMENSIONS

Length/Height	900 mm
Ø	Ø 144 mm Poller
Base plate (WxLxH)	170 mm x 170 mm x 8 mm

## SPEED / KG SAMPLE CALCULATION

Reference speed	5,0 km/h	For a <b>vehicle</b> with a gross weight of <b>1.890 kg</b> with an impact angle of 90°.
Calculation	$\frac{1}{2} \text{ Mass (kg)} \times \text{Speed}^2 \text{ (m/s)} = \text{Joules}$ (Formula applies for an impact angle of 90°)	

## FIXING

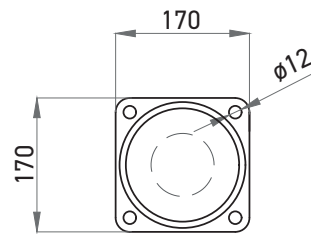
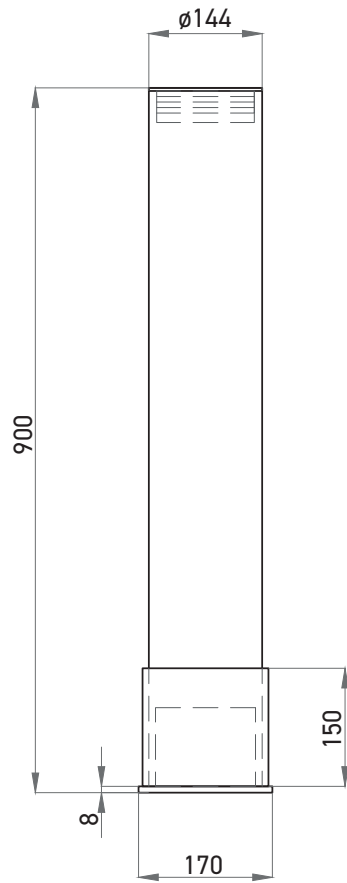
Heavy-duty concrete anchor	L = 110 mm ; Ø = 12 mm ; M12 45 Nm max. tightening torque 19,7 kN min. pull-out force
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Watch the test  
video here!