

Leonidas 110 P

Redirective Crash Cushion, EN 1317-3, 110 km/h, Parallel

TECHNICAL FEATURES

Description

High-performance redirective crash cushion in parallel configuration, CE certified and tested per EN 1317-3 for the 110 km/h speed class, with impact testing at 130 km/h and ASI B severity. Entirely steel, delivered pre-assembled, fully repairable after impact and certified also on asphalt. Tested with SUV and pickup vehicles, evaluated by Euro NCAP and connectable to the smart monitoring app.

CE
Certified

EN 1317-3
Tested

Fully Redirective
Z1 D1

Repairable
Reusable

Asphalt
Certified

PRODUCT FEATURES

Category	Crash Cushions, Redirective
Product type	EN 1317-3 crash cushion, 110 km/h, parallel
Application	Permanent obstacle protection on roads and motorways
Redirection	Fully redirective (Z1 D1)
Material	Entirely steel
Repairability	Fully repairable after impact
Delivery condition	Pre-assembled, easy and fast installation
Surface	Certified also on asphalt
Barrier compatibility	Connection to different types of barriers
Smart integration	Connectable to the smart monitoring app

APPROVALS & TESTING

Test standard	EN 1317-3 (crash cushions)
Speed class	110 km/h
Certification	CE certified
Performance class	Redirective, Z1 D1
Impact testing	Tested at 130 km/h, ASI B
Vehicle tests	Tested with 2000 kg SUVs; Euro NCAP evaluation

DIMENSIONS

Component	Value
Length (L)	6010 mm
Front / rear width (FW / RW)	860 / 860 mm
Height (H)	770 mm
Anchoring	22 holes, 160 mm depth
Material	100% steel

Leonidas is the high-performance crash cushion family, tested at 130 km/h and available in Parallel, Wide and Semi Wide configurations across the 50 to 110 km/h speed classes. Dimensions per the manufacturer brochure Rev. 01/2025; further widths (PL, WS, XWL, SW) are available on request.



CRASH-TEST VIDEOS

110 P crash test (NCHRP 350 TL-3): vimeo.com/729201443/651f0212ef

110 P tested at 130 km/h: vimeo.com/729195687/fd912d9d39

100 P and 110 P: vimeo.com/729195616/c472d46701