

Data Sheet

POLY

Safety bridge barried and noise integrated device

"POLY NJ" containment level H4b











Characteristics

Containment Class: H4b Impact Severity: B

Theoretical Head Impact Velocity "THVI" [Km/h]: 30,68

Working Width"W" [m]: 0,9/W3 - 1,90/W6

Dynamic Deflection "Dn" [m]: 0,50 Vehicle Intrusion "Vin" [m]: 1,70/VI5 Installation Type: reinforced concrete

Durability

Galvanized steel in accordance with EN ISO 1461

Dangerous substances: NPD

For further information (video, manuals, technical drawings, documentation) visit directly: www.ticopter.it

The "Poly®" safety barrier is the innovative containment system designed and managed by Ticopter for bridge edge protection. The device meets the requirements of European standard UNI EN 1317-1 and 2: 2010 with a containment level equal to H4b (test TB81 and TB11). Poly® owes its name to the additional functions, being at the same time able to guarantee safety both as a bridge edge barrier with a new jersey profile, and as an noise integrated barrier, with the possibility of being implemented with sound-absorbing panels, glass panels, mesh panels, anti-throwing net and windbreak.

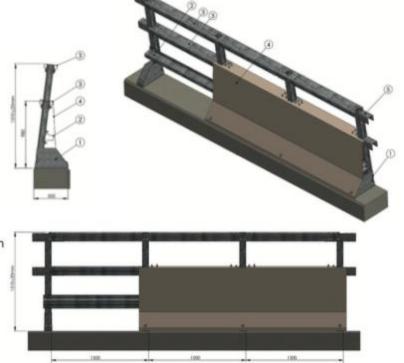
It can be used as an integrated barrier from 2m up to a height of 5m. On 1st April 2009 it was registered under the European Patent Specification (EP1619311).

Main features

- Steel new jersey with a modular structure 1,50 m long;
- Extremely functional during transport, installation and customisation;
- Installation on curb of reinforced concrete and anchorage through only one stud bolt per post;
- Moderate weight and consequent very fast assembly;
- Certified and tested for bikers according to UNI EN TR 1317: 8.
- Many alternatives of customization both in terms of materials (galvanized structural steel or corten) and of configurations and colors (aesthetic veils, ect...).

Safety device dimensions

- Height above ground: from 1510±20mm to 5000±20mm;
- Post center distance:1500mm;
- Device width: 500mm.
- (1) Post HEA100
- Omega lower beam
- 3 Middle and upper beam with "C" section
- 4 Cover coat
- (5) Connection joint



"Poly®" safety barrier						
Test N.	Notified body	Date crash test	Vehicle	Mass [Kg]	Velocity [Km/h]	Angle of impact [°]
0068/ME/HRB/18	C.S.I Bollate (MI)	28.06.2018	Car	937	104	20°
0067/ME/HRB/18	C.S.I Bollate (MI)	30.06.2018	Articolated lorry	37.400	65,30	20°
0094/ME/HRB/18	C.S.I Bollate (MI)	09.10.2019	Motorcyclist	87,5	60	30°









CERTIFICATE OF COSTANCY OF PERFORMANCE



Certificate di costanza delle prestazioni

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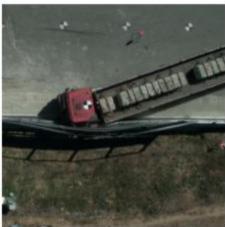
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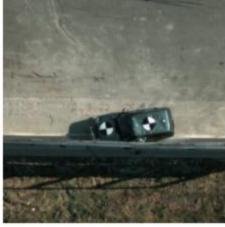






Test TB11 - LIGHT VEHICLE 0,9 tons.





Certificato di costanza delle prestazioni

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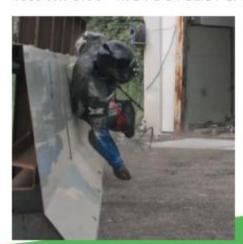
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Test TM 3.60 - MOTOCYCLIST SAVING DEVICE







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POLY CONFIGURATIONS

"POLY ACOUSTIC"

NOISE BARRIER INTEGRATED WITH ACOUSTIC PANELS AND/OR GLASS, PMMA





Other versions and size:

· Height between 2 and 5 meters

"POLY NET" & "POLY NET PANEL"

BARRIER INTEGRATED FOR NET AND NET PANELS





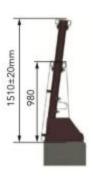
Other versions and size:

Height between 2 and 4 meters

"POLY NJ C"

SAFETY BRIDGE BARRIER IN CORTEN STEEL, CUSTOMIZABLE





Other versions and size:

 The device is available with painted components and customizable with aesthetic carter