



# euroSMART Cushion

Advancing Safety Through Innovation



## Redirective, Non Gating Impact Attenuator

Utilizing a new and innovative  
energy absorbing technology

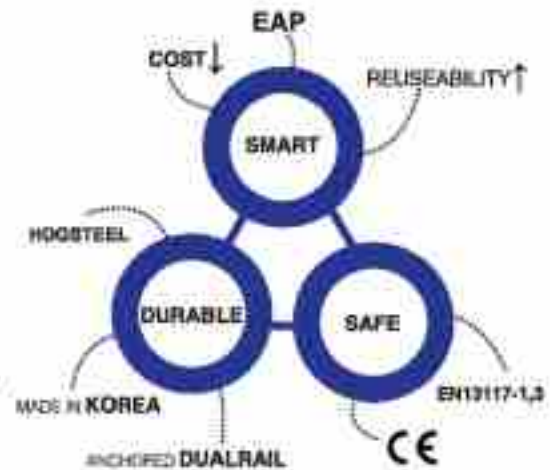
- Simplistic and sophisticated design, with Shinsung Control's EAP
- Systems available for speeds 50km/h, 80km/h, 100km/h and 110km/h
- Fast and easy installation on concrete or asphalt surfaces
- Twin mono rail design, no chains or cables required
- High reusability and low cost on replacement parts
- Tested performance, **CE** certified



**SHINSUNG CONTROL Co., Ltd**  
ISO 9001 COMPANY

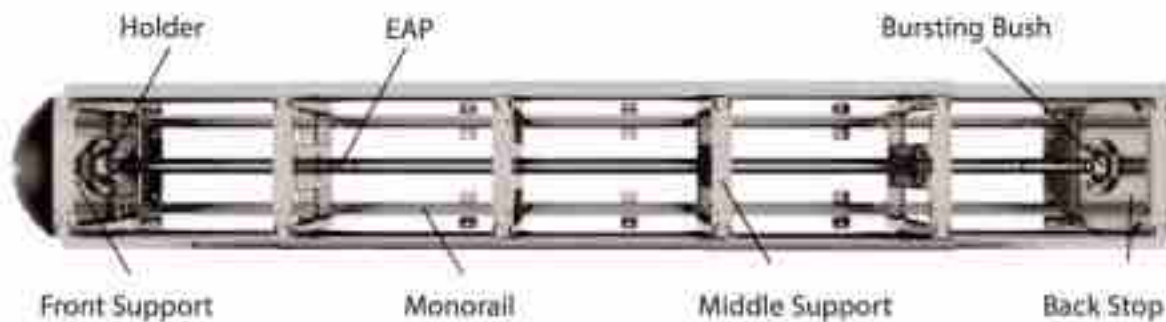
## Features

Shinsung Control's (SSC) euroSMART family features SSC's proprietary energy absorption pipe technology. Upon head on or offset vehicular crashes, the 'EAP' bursts and coils up from the end backstop of the device. The EAP absorbs the energy of impact, while the carriage panels slide along the anchored rails, segment by segment. The double monorails allow the cushion to remain intact, safely redirecting the vehicle and preventing lateral, vertical and overturning movement of the device. After impact, the euroSMART is highly refurbishable. Its simplistic and innovative design allows for high reusability and low cost on replacement parts.



## Physical Specifications

Speed (Km/h)	Specifications				
	Assembly	Dimensions			
		Length(mm)	Width(mm)	Height(mm)	Weight(kg)
euroSMART 110		9,200	840	940	1,300
euroSMART 100		5,900			880
euroSMART 80		4,800			740
euroSMART 50		2,600			460



ASTM A36M, ASTM A 123 standards met for guardrails, (side panels). Safety index for passenger safety and vehicular collisions (THIV & ASI) values met when proper torque is achieved during assembly.

## Test Performance

SSC's euroSMART systems have been fully tested using EN 1317-1 and 3 for performance speeds of 50km/h, 80km/h, 100km/h and 110km/h.



Certificate of Constancy of Performance No. 1020-CPR-090-032572 in compliance with Regulations 305/2011/EU of the European Parliament and of the Council of March 2011, issued on 3 October 2014 by the Technical and Test Institute for Construction Prague-Notified Body 1020 Branch

## Proper Installation Guarantee

The euroSMART system is shipped partially assembled and requires proper installation to assure optimal performance. Initial installation may be accomplished with the guidance and instruction of a qualified and experienced SSC personnel.



1 Install twin rail onto cement/asphalt pad



2 Install Backstop



3 Slide middle supports onto rails



4 Slide LAF through middle supports and connect to backstop



5 Attach three way slider panels, starting from the rear, using slider bolts and plates



6 Install roof segments from rear, to protect inner components from debris and the elements

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CE



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