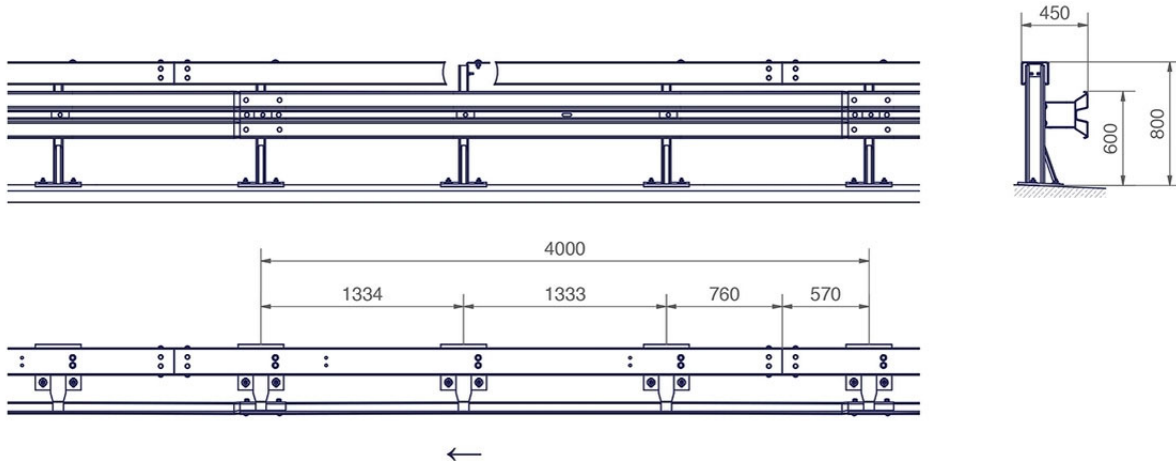




Super-Rail Eco OS

Dated: 20.10.2020



The single-sided vehicle restraint system for installation on structures is composed of galvanised components acc. to RAL-RG 620. The lengths of the beams and posts as well as the dimensions of the deformation brackets determine the shape of each segment. The system is characterised by its beams of 4 m length and a post spacing of 1,33 m. The posts are fixed to the structure by 4 chemical anchors or by pre-cast anchors. The open box beams are fixed to the posts by fastening angles. The open box beams are connected by butt joint connectors positioned inside of the beams. The joints of the guardrail beams overlap in direction of traffic. They are connected to each other by multiple screwings and fixed to the posts by deformation brackets.

<i>System Name</i>	Super-Rail Eco on structure
<i>CE Certificate of Performance</i>	0531-CPR-1317-0482
<i>Initial Type Tests</i>	TB11: X53.06.J09 (TÜV Süd GmbH, 2009) TB32: STU20001 (TÜV Süd GmbH, 2020) TB51: X53.07.J09 (TÜV Süd GmbH, 2009)
<i>Typical Material</i>	Steel S235 JR
<i>System Width</i>	0,45 m
<i>System Height (from Road Surface)</i>	0,90 m
<i>System Length (Unit)</i>	4,00 m
<i>Weight per m of System Length</i>	47,3 kg (A) 46,3 kg (B)
<i>Installation Length</i>	60 m
<i>Tested Installing Method</i>	on structure

Performance acc. to EN 1317

Containment Level	N2 H2 L2
Working Width	W1 W4 W4 (W_N = 0,5 m 1,3 m 1,3 m)
Impact Severity Level	A
Dynamic Deflection	D_N = 0,3 m 0,9 m 0,9 m
Vehicle Intrusion	H2/L2: VI5 (V_N=1,4 m)
Resistance Class Snow Removal	3

*) NPD = no performance determined