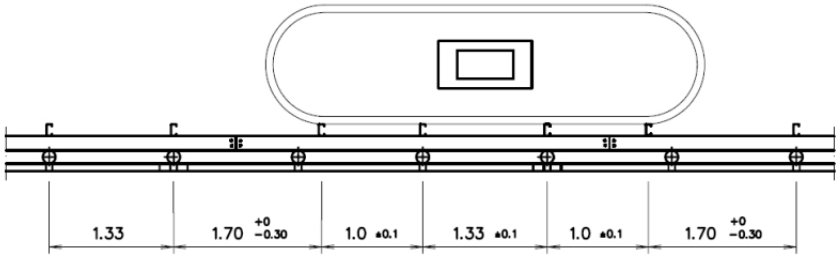
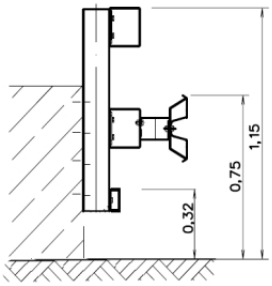
	Super-Rail VZB	Dated: 03.07.2020





The single-sided vehicle restraint system for installation partly on driven posts and partly screwed to a structure (such as gantry plinths or pillar bases) 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 tubes determin 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 open box beams are fixed to the posts by clamping connections at the rear. 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 lower box beams by deformation tubes. In front of the plinth, the posts are not driven but fixed to the structure be 4 chemical anchors.

System Name	Super-Rail VZB
CE Certificate of Performance	0112-CPR-2010
Initial Type Tests	TB11: PSG 35 (TSR Engeneering GmbH, 2010) TB51: PSG 36 (TSR Engeneering GmbH, 2010)
Typical Material	Steel S235 JR
System Width	0,50 m
System Height (from Road Surface)	1,15 m
System Length (Unit)	4,00 m
Weight per m of System Length	77,3 kg (A) | 76,4 kg (B)
Installation Length	28 m
Tested Installing Method	driven posts

Performance acc. to EN 1317	
Containment Level	**N2 | H2 | L2**
Working Width	**W1 | W3 | W3 (W_N = 0,5 m | 0,9 m | 0,9 m)**
Impact Severity Level	**B**
Dynamic Deflection	**D_N = 0,2 m | 0,5 m | 0,5 m**
Vehicle Intrusion	**H2/L2: VI3 (VI_N=0,9 m)**
Resistance Class Snow Removal	**3**

*) NPD = no performance determined