



The single-sided vehicle restraint system for installation on driven posts is composed of galvanised components acc. to RAL-RG 620. The lengths of the beams and posts determin the shape of each segment. The system is characterised by a variable post spacing and beams of 4 m length. 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 together with support brackets. In front of the obstacle, an additional railing is installed of 3 box beams, c-posts. Deformation tubes are mounted between the box beams and the guardrail beams in front, fixed only to the latter.

System Name	ESP BOS
CE Certificate of Performance	0175-CPR-2010
Initial Type Tests	TB11: PSG 65 (TSR Engeneering GmbH, 2010) TB32: PSG 64 und PSG 66 (TSR Engeneering GmbH, 2010)
Typical Material	Steel S235 JR
System Width	0,86 m
System Height (from Road Surface)	0,75 m
System Length (Unit)	4,00 m
Weight per m of System Length	698,6 kg (A)   679,0 kg (B)
Installation Length	20 m
Tested Installing Method	driven posts

Performance acc. to EN 1317	
Containment Level	N2
Working Width	W3 (W <sub>N</sub> = 0,9 m)
Impact Severity Level	В
Dynamic Deflection	D <sub>N</sub> = 0,6 m
Vehicle Intrusion	
Resistance Class Snow Removal	3

\*) NPD = no performance determined