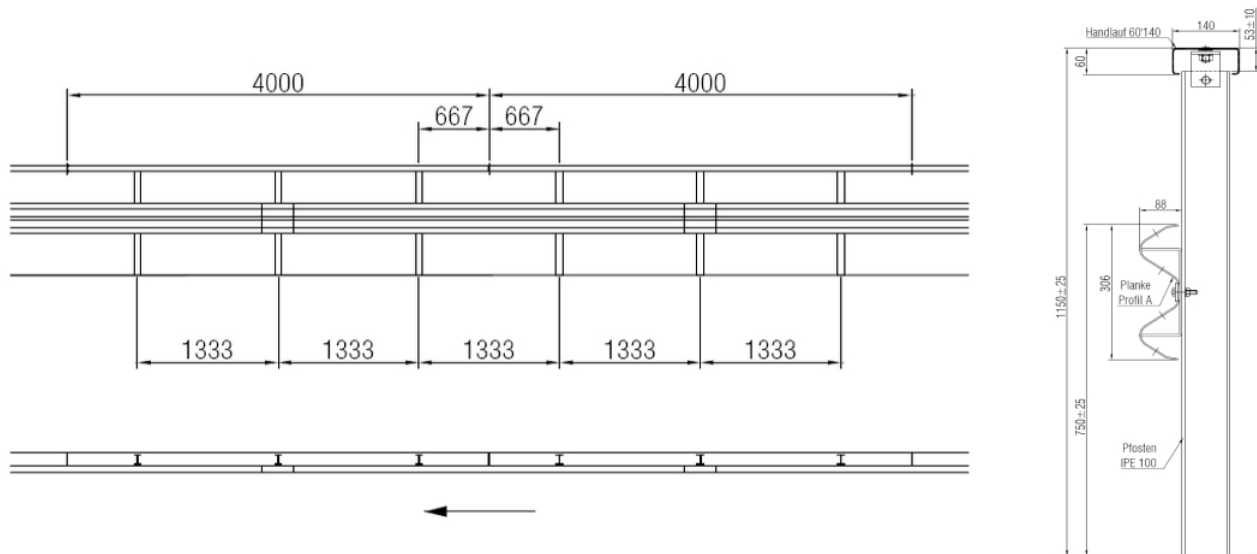




ASTRA 2211

Dated: 10.12.2014



The single-sided vehicle restraint system is composed of galvanised components. The system is characterised by its beams of 4 m length and a post spacing of 1.33 m. When installed in structure, the posts are fixed by 4 chemical anchors or by pre-cast anchors. The joints of the guardrail beams overlap in direction of traffic. They are connected to each other by multiple screwings

System Name	ASTRA 2211
EG Certificate of Conformity	2251-CPR-0058-1
Initial Type Tests	TB11: ASTRA 2211-11 TB11: ASTRA 2211-42
Typic Material	Steel S235 JR
System Width	--
System Height (form Road Surface)	--
System Length (Unit)	4.00 m
Weight per m of System Length	--
Installation Length	--
Tested Installing Method	driven posts / Sleeve posts / on structure

Performance acc. to EN 1317	
Containment Level	H1
Working Width (W_N)	W4 (1.3 m)
Impact Severity Level	B
Dynamic Deflection (D_N)	0.9 m
Vehicle Intrusion (VI_N)	NPD (No performance determined)
Resistance Snow Removal	NPD (No performance determined)