

High Containment Level

MASH

LEVEL  
TL-4

AS-TL4.B



**MASH**  
TL-4  
COMPLIANT



**asebal**

Vehicle Restraint System

## Definition

Single metal barrier for lateral side. System formed by a triple wave barrier and C posts 1,905 metres apart.

## Impact Tests

TL-4 according to MASH



Test: 4-10 passenger car 1,100 Kg - 100 Km/h-25°  
Test code: MASH067  
Date: january 2022  
Accredited laboratory: AISICO (Italy)



Test: 4-11: Pick-up 2,270 kg - 100 km/h - 25°  
Test code: MASH066  
Date: january 2022  
Accredited laboratory: AISICO (Italy)



Test: 4-12: Truck 10,000 kg - 90 km/h - 15°  
Test code: MASH065  
Date: january 2022  
Accredited laboratory: AISICO (Italy)

## Performance parameters

Containment Level

TL-4

Dynamic deflection

0,9

Severity

Preferred

High Containment Level

MASH

LEVEL  
TL-4

AS-TL4.B



**MASH**  
TL-4  
COMPLIANT



**asebal**

Vehicle Restraint System

### Components for sections of 3,81 m

Item	Part	Uds
1	3.81 m thrie-beam guardrail (punched at 2 and 1.33 meters), t. 2.5 mm	1
2	C post -125x75 mm of 1,800 mm	2
3	Round head bolt M16x30, with nut	12
4	Hexagon head cap bolt DIN 933 M10x40	4
5	Washer Ø17x35x4 mm	12
6	Washer 100x40x5 mm, with hole Ø11 for M10	8
7	Nut DIN 934 M10	4
8	Reflector	1

### Fasteners

