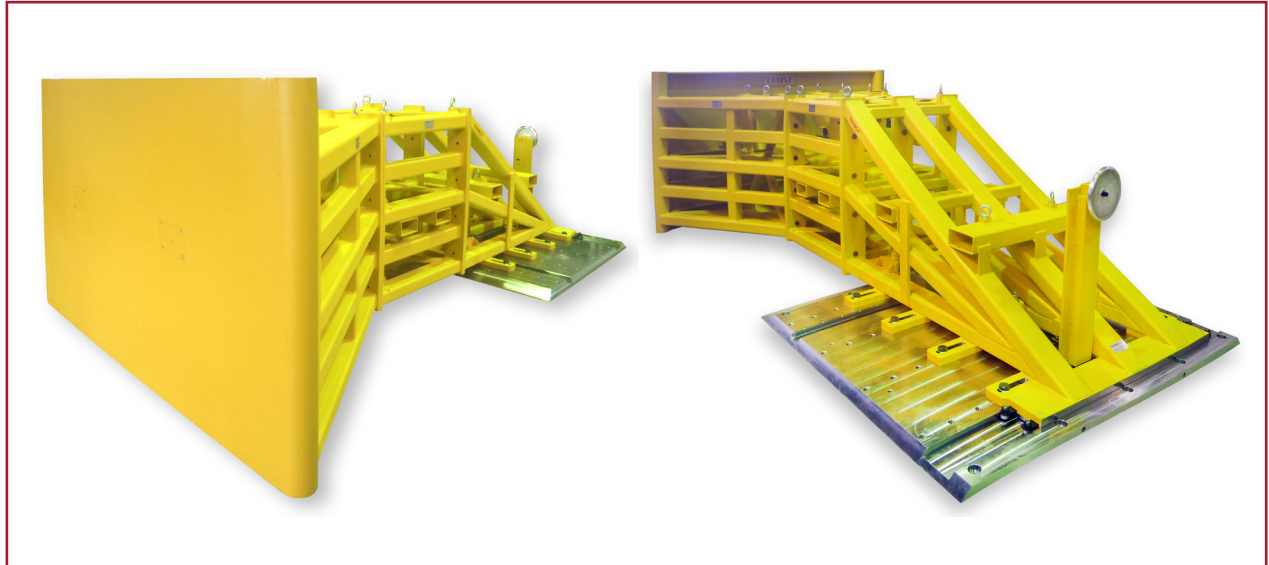


Small Overlap Barrier

Item No. CS/SOL-IIHS-01-001

To verify the vehicle structure according to the test specification Small Overlap IIHS



The barrier is used for small overlap crash tests according to the IIHS test specification. The steel structure is dimensioned for a test loading up to 2000kN. The barrier can be fixed on a mobile crashblock as well as on a crashboard and as a special feature it can be fixed on anchors on the floor.

According to the type of barrier, it is composed from up to four parts: The impact area including force allocation zone, the connecting piece and at the anchor version additional with an adjustment frame and a floor panel. The length of the connecting piece can be customized. At a fixing on the anchors, the whole assembly can be switched across the direction of motion by a hand wheel to adjust the desired level of overlapping.

Based on this special type of construction, an additional contact of the vehicle with other structures, for example a crashboard, are avoided. All single parts have the opportunity of transportation by forklift or crane.

| | at floor loading | at board adjustment |
|-------------------|------------------|---------------------|
| Length | ca. 4820 mm | ca. 2660 mm |
| Breadth | 2840 mm | 2840 mm |
| Height | ca. 1530 mm | ca. 1530 mm |
| max. impact force | 2000 KN | 2000 KN |
| total weight | ca. 6,0 t | ca. 3,3 t |

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