

ProTec 51 – the lightweight crash barrier.

T1 / W2 / ASI A and T3 / W3 / ASI A



Safety by Berghaus





ProTec 51 as road divider in a 4:0 road layout.

Mobile crash barriers in roadworks clearly enhance traffic safety. Their containment capacity prevents road users from leaving the carriageway and colliding with oncoming traffic, while also providing safe working conditions on site.

The mobile crash barrier ProTec 51 with a very narrow structural width of only 24 cm and a weight of 28.7 kg per meter is an ideal addition to the proven portfolio of ProTec products. This is the narrowest and lightest mobile road restraint system in the ProTec family and is based naturally on the well-known benefits of the tried and tested ProTec 100/120/160 systems. Due to the small footprint, the ProTec 51 is ideal for traffic safety in ZTV-SA applications A, B and D that is between roadwork site and oncoming traffic, between roadworks and flowing traffic as well as between roadworks site and opposite flows of traffic.

No matter what your particular application is, mobile crash barriers in the ProTec family always put you on the safe side!

Advantages of the ProTec 50 mobile crash barrier at a glance:

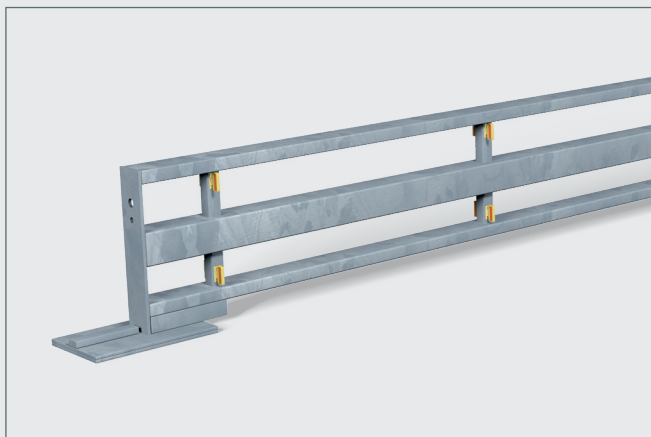
- | | |
|--|---|
| <ul style="list-style-type: none">• featured in the BASt list for mobile road restraint systems• test conditions as per DIN EN 1317-2• narrow structural width needs minimum space requirements• reflectors mounted in protected recess• generous water drainage opening under the crash barrier | <ul style="list-style-type: none">• no risk of aquaplaning or of dirt accumulating in front of the crash barrier• system with tested tipping length limitation (KLB element)• rubber-based stands protect the road surface• quick and easy installation• force-fit connections for all ProTec barriers• low element weight - high loading volume |
|--|---|

The ProTec family consists of several successfully tested mobile crash barriers – for all application areas of mobile road restraint systems pursuant to the ZTV-SA. Despite differing shapes and structures, all mobile crash barriers in the ProTec family can be combined with each other and fitted together with force-fit connections. Mobile crash barriers in the ProTec family can also be combined with stationary restraint systems or mobile systems by other manufacturers with a force-fit connection.

ProTec 51: Minimum space requirements, fast installation.

Technical data

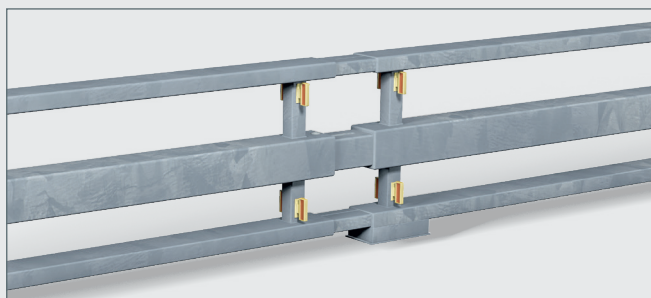
Containment level	T1 / T3
Effective range	W2 / W3
ASI value	A
Structural width	0.24 m
Height	0.50 m
Element length	6 m
Minimum installation length	136 m
Ground anchoring	yes (only start/end points)
Weight per m	28.7 kg



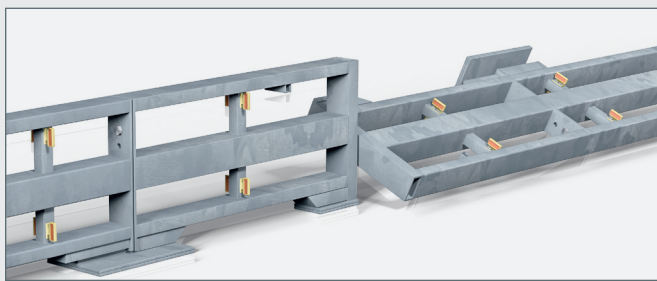
Standard element 6 m

Test conditions as per DIN EN 1317-2

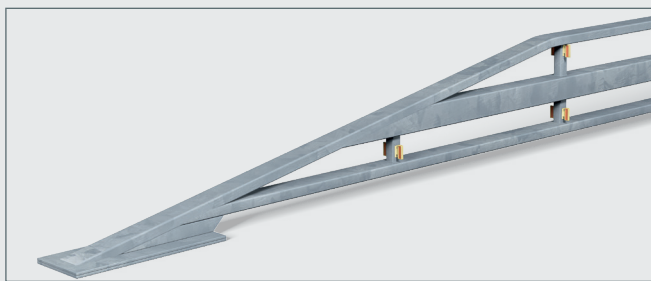
Acceptance test	TB 21 / TB 41
Test vehicle	PKW / LKW
Weight	1.3t / 10t
Impact angle	8° / 8°
Speed	80 km/h / 70 km/h



Dilatation element

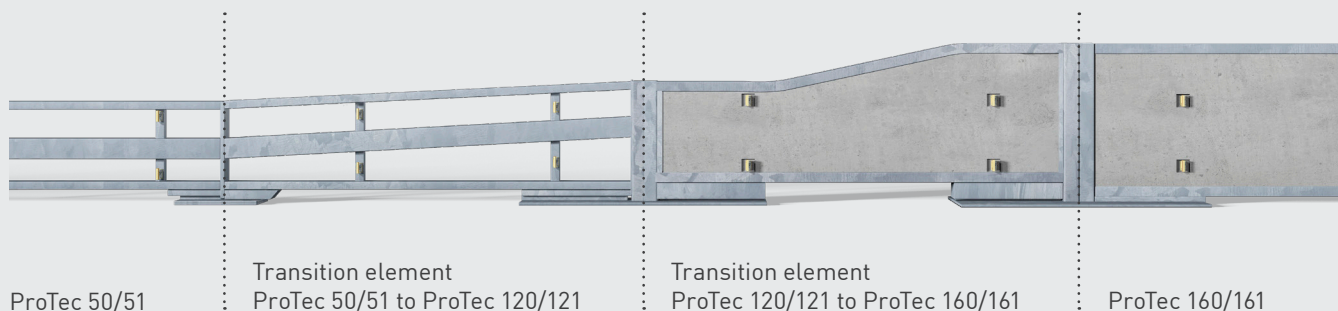


Tipping length limitation (KLB element)



Start/end element

Combination example for a force-fit connection across the whole ProTec family.



ProTec 50/51

Transition element
ProTec 50/51 to ProTec 120/121

Transition element
ProTec 120/121 to ProTec 160/161

ProTec 160/161



**The ProTec set in scene:
as 360° view and as video**





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Products may differ from illustrations shown.
All details are approximate.