

# ProTec 50 - City

for safe urban roadworks.

T1 / W2 / ASI A



Safety by Ramudden A/S

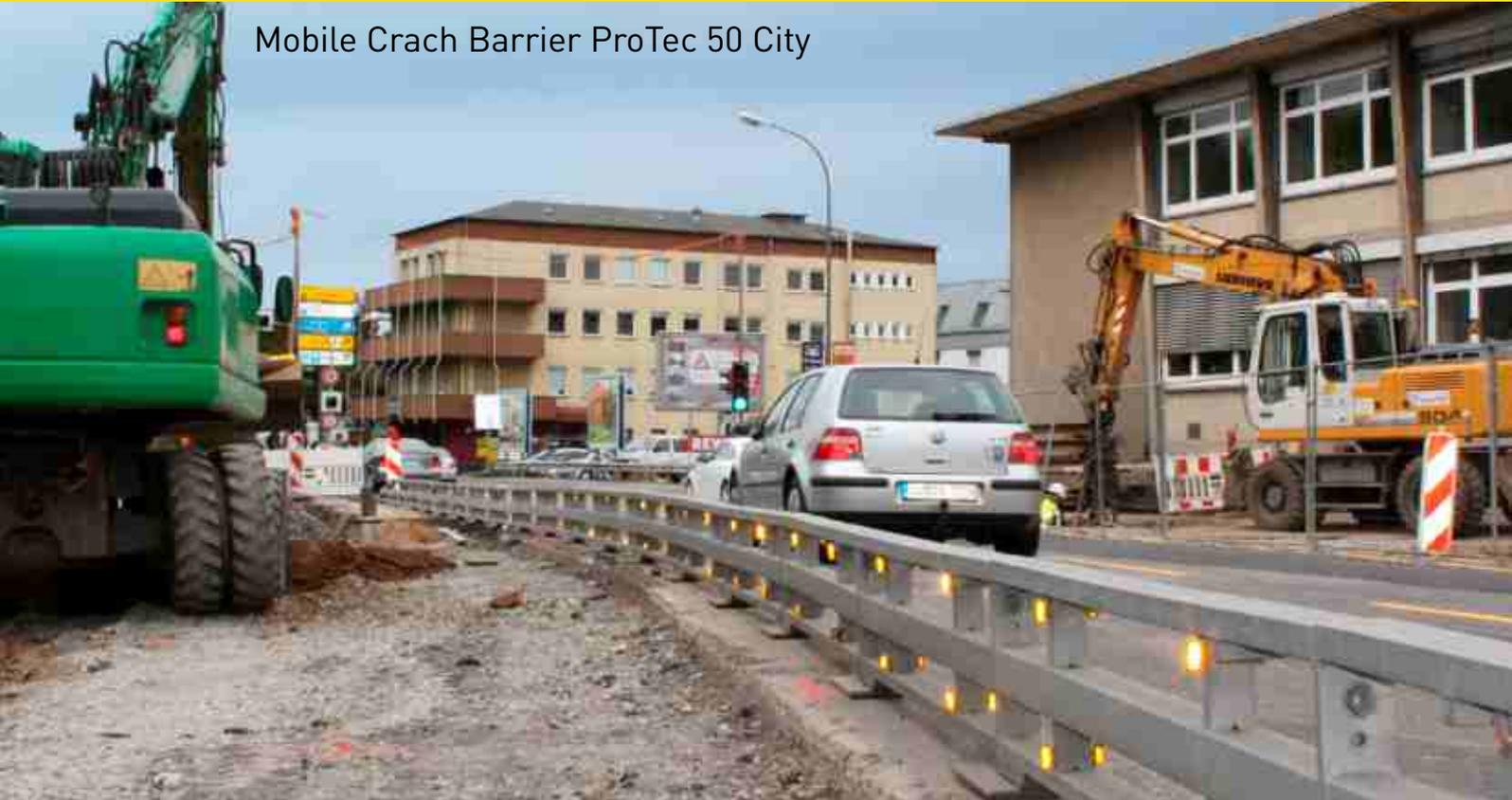
**Ramudden A/S**

Tlf. 70 20 20 94 · [ramudden.dk](http://ramudden.dk) · [mail@ramudden.dk](mailto:mail@ramudden.dk)

Navervej 24, 4000 Roskilde  
Blomstervej 46, 8381 Tilst

Bjerringbrovej 64, 2610 Rødovre  
Industrivej 2, 7000 Fredericia

## Mobile Crach Barrier ProTec 50 City



The elements are just 2 meters long and ideal for urban use.

**Protec 50, City is the «handy» version of the proven mobile crach barrier ProTec 50, ideallyt designed for urban use.**

The low element weight of just 23,5 kg per meter and the easily handled element length of 2 meters make this crash barrier particularly suitable for city use. The generous water drainage opening prevents any dangerous accumulation of rainwater. ProTec 50 City reliably separates the roadworks from the carriageway. It prevents pedestrians, bicycles or vichcles from erring into the roadworks area.

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 City at a glance:

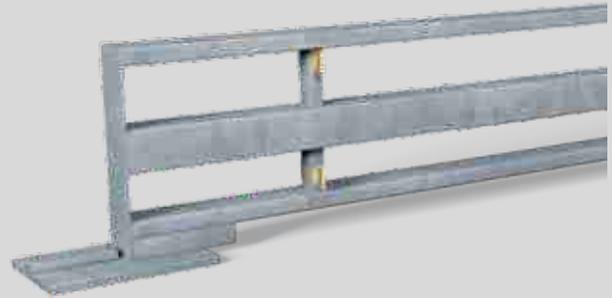
- short element length; turning elements for small radii
- force-fit connections available for all ProTec crash barriers
- minor «adjustments» possible without large sized equipment
- reflectors mounted in protected recess
- generous water drainage opening under the crash barrier
- no risk of aquaplaning or of dirt accumulating in front of the crash barrier
- no start or end anchoring necessary
- system with successfully tested tipping length limitation (KLB element)
- rubber-based stands protect the road surface
- quick and easy installation
- low element weight for high transport 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 combines 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 manufactures with a force-fit connection.

## Mobile Crach Barrier ProTec 50 City

### ProTec 50 City: Narrow barrier – light elements – fast installation.

Technical data	
Containment level	T1
Effective range	W2
ASI value	A
Structural width	0.24 m
Height	0.50 m
Element length	2 m
Minimum installation length	135 m
Ground anchoring	no
Weight per m	23.5 kg
Test date	05/08/2015
Test number	F15621801



Standard element 2 m

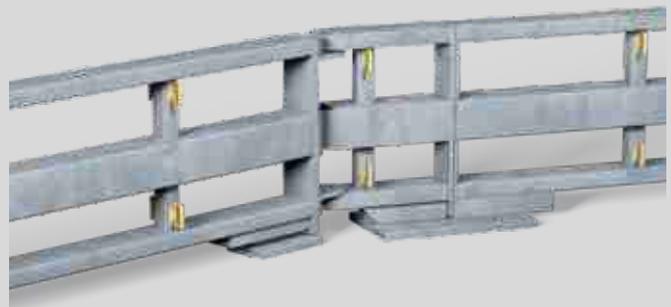
Test conditions as per DIN EN 1317-2	
Acceptance test	TB 21
Test vehicle	PKW
Weight	1.3t
Impact angle	8°
Speed	80 km/h



Dilatation element



Tipping length limitation (KLB element)



Turning element

#### Combination example for a force-□t connection across the whole ProTec family.



ProTec 50

Transition element  
ProTec 50 to ProTec 120/121

Transition element  
ProTec 120/121 to ProTec 160

ProTec 160