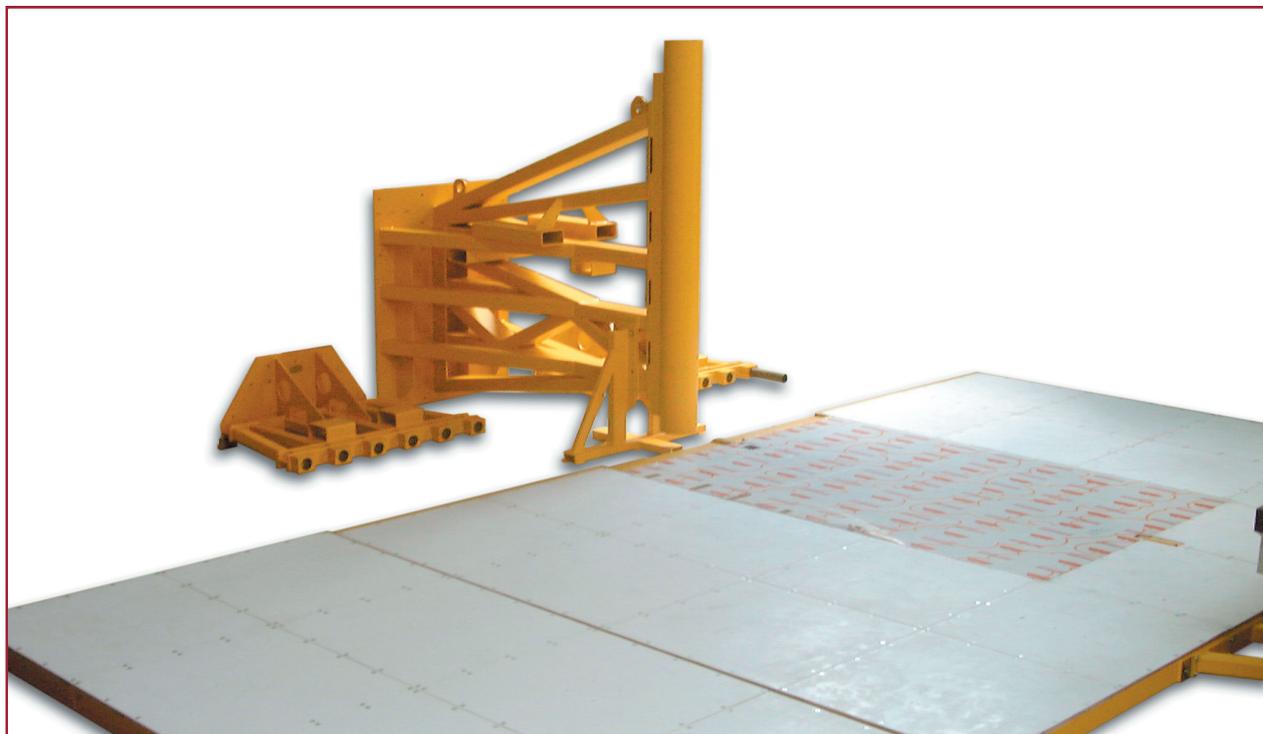


Flying Floor

Artikel Nr. SW/FFL-010-01-001

according EURO NCAP pole impact, FMVSS 201, FMVSS 201 "Oblique Pole Test" and US NCAP pole impact



This moveable platform is designed to drive test vehicles in any desired angle into a firm barrier. Lateral impact.

The basic structure of the platform consists of 2 symmetrical steel pipe frames, each equipped with moveable chassis and 2 guide units.

Acrylic glass plates are fixed against the inspection area and covered with polycarbon plates, which makes the inspection area extremely stiff and virtually scratch proof. The rest of the platform is covered with multilayer plates and PTFE plates, resulting in light weight and very slight friction resistance. All PTFE plates are grounded in order to divert electrostatic charge.

For transport and storage the platform can be dismantled into 2 parts, each of which is equipped with its own set of wheels. Outside the test area the platform can be moved in any desired direction by means of additional wheels.

The brake installation for the retardation of the platform after the crash consists of one or two steel girders firmly screwed on to the platform.

Braking of the platform is mainly carried out through precision steel pipes with defined diameter and length.

FlyingFloor

The kinetic energy is absorbed through controlled plastic deformation of the compression-pipes. All compression-pipes are holder equipped with clamp screws for rapid and precise change of the compression-pipes.

Additional firmly installed platforms to the right and left of the moveable platform can be installed in order to prevent the vehicles from falling off after the crash. The firmly installed platforms have the same PTFE surface as the moveable platform. In addition, various further barriers and poles of different diameter and height can be supplied in order to supplement the test structure.

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Technical data:

	FFL-010-01-001
total length:	4000 mm
total width:	980 mm
height:	175 mm
inspection area:	2000 x 3000 mm
gauge:	5640 / 2340 mm
mass:	1800 kg
load:	4000 kg
maximum permitted speed:	65 km/h
maximum deceleration:	326 m/s ² (33 g)
length of deceleration at 65 km/h:	~ 500 mm
compression-pipe length at 65 km/h:	900 mm

Special customer wishes

Adjustments according to customers' wishes and local requirements, for example:

- measurements of platform
- inspection area
- compression-pipe holder
- towing facility
- guide rail system
- guiding role, firmly installed or laterally moveable
- barrier (lateral adjustment of pole)



The products shown here comprise additional or special requests by customers that are not within the basic scope of supply. We reserve the right to carry out modifications and improvements at any time without prior notice. The information presented here may be subject to errors.

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