

Crash-Cart

ArtikelNr. SW/FMV-301-11-001

according to FMVSS 301, FMVSS 214 and US NCAP

The crash - cart is an economic alternative compared to FMVSS 301 and FMVSS 214 / US NCAP. Divided by a consistent base frame and an adaption-kit, both type of crush tests can be carried out by simple changeover.



| | FMVSS 301 | FMVSS 214 / 0° | FMVSS 214 / 27° |
|--------------------------|-----------|----------------|-----------------|
| length overall | 4165 mm | 4165 mm | 4165 mm |
| (without honeycomp) | 3680 mm | 3680 mm | 3680 mm |
| width overall / angle | 2085 mm | 2245 mm | 2455 mm |
| height overall | 1070 mm | 850 mm | 850 mm |
| wheel Base / angle | 2590 mm | 2590 mm | 2308 mm |
| tire tread width / angle | 1880 mm | 2040 mm | 1876 mm |
| test weight | 1361 kg | 1361 kg | 1361 kg |

Adjustable high of the base frame. Aluminum front shield with spindle height adjustment facility, including T-slots to assemble the deformation element (honeycomp). Welded frame construction made of special profile steel tubing (painted surface finish). Pneumatic emergency braking system acting on all wheels. Activation by button (manually, electrically), activation by environment- emergency-stop or activation by trigger-event (impact, gravity-contact). Adaption kit for quick assembly change from FMVSS 301 to 214. Retainer for drag gear as specified by the customer. Optional: camera frame, deformation element (honeycomp).

| Calibrated center of gravity | | Calibrated moment of inertia | |
|------------------------------|---|------------------------------|-----------------------------|
| Sx: | 1123 ± 25 mm rearward of the front axle | Ix = | 508 ± 25 kgm ² |
| Sy: | 7,6±25 mm left of longitudinal centerline | Iy = | 2262 ± 133 kgm ² |
| Sz: | 500 ± 25 mm above the ground | Iz = | 2572 ± 128 kgm ² |

© 2008 Ernst+Co./Aktualisiert: 08.2010

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.