

Crash-Cart

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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

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