

# Crash-Cart

ArtikelNr. SW/FMV-301-01-001

according FMVSS 301

The crash - cart is used to carry out rear-crush-tests according to FMVSS 301 to ascertain the tightness of the tank. Thereby, the crash - cart impacts onto the rear of the vehicle with a speed of 47,3 km/h.



	FMVSS 301
length overall	3632 mm
width overall / angle	2085 mm
height overall	1070 mm
wheel Base / angle	2591 mm
tire tread width / angle	1880 mm
test weight	1361 kg

Adjustable high of the base frame. Aluminum front shield with spindle height adjustment facility, including T-slots to secure the deformation element (price does not include deformation element). 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) or Activation by environment-emergency-stop or Activation by trigger-event (impact, gravity-contact). Retainer for drag gear as specified by the customer. Optional: camera frame, deformation element. For analysing the leakage quantity we advise to use the static rollover of the ERNST Company.

Calibrated center of gravity		Calibrated moment of inertia	
Sx:	1123 ± 25 mm rearward of the front axle	lx =	508 ± 25 kgm <sup>2</sup>
Sy:	7,6±25 mm left of longitudinal centerline	ly =	2262 ± 133 kgm <sup>2</sup>
Sz:	500 ± 25 mm above the ground	lz =	2572 ± 128 kgm <sup>2</sup>

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