

Flex-Moshon

EVT Towing System



Designed for the EuroNCAP Vehicle Target, the **towing system** is suitable for AEB and FCW tests.



Flex-Moshon EVT Towing System

The Flex-Moshon EVT Towing System is designed to tow a balloon car during EuroNCAP Autonomous Emergency Brake (AEB), Forward Collision Warning (FCW) and other ADAS tests.

Ideal for EuroNCAP AEB and FCW tests

The Moshon Data towing system consists of 3 pressurised hoses (15 meter length) including Storz hose coupling, hose carriers with 2 wheels each, a support plate with tow hitch system, the balloon car carrier and 12V compressor. The pressurised hoses ensure that the EuroNCAP Vehicle Target (EVT) maintains its required position when towed behind the towing vehicle. The space between the EVT and the towing vehicle remains constant even during braking. After a collision the balloon vehicle target aligns itself automatically and is instantly ready for further testing.

Lane change manoeuvres can be performed with the balloon target up to approx. 60 kph. During a lane change, the EVT follows the towing vehicle's lane with only a few centimetre deviation. The flexible set up not only enables lane changes, but also allows turning on the test track.

Developed by **Continental**

Moshon^{DATA}

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Easy set-up, rugged design

Set up takes less than one hour and can be performed by one person. Each module weighs between four and 20 kg max. The Flex-Moshon EVT Towing System can be fully dismantled and fits in the boot of an estate or large hatchback easily.

Components and Parameter

The Flex-Moshon EVT Towing System includes:

- 3 hoses with Storz coupling; length 15m
- 11 hose carriers (with two wheels each)
- Support plate with tow hitch system
- EVT carrier
- 6 tension belts per hose carrier (66 pieces in total)
- 12V compressor

Additionally required components and equipment:

- 1 towing vehicle with tow hitch
- 1 collision vehicle
- 1 EVT/balloon car

Parameters:

- Deceleration of the towing system up to 0,7 g
- Designed for the use up to 80 kph
- The towing system remains undamaged in collisions up to an impact speed of 30 kph (top speed of the collision vehicle must not exceed 80 kph)



Flex-Moshon Towing System components



Coupling hitch



Mounted hoses

To find out more about the Flex-Moshon system, contact Steve Boyle today
Steve.boyle@moshondata.com

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Steve Boyle, Moshon Data, 33 Southlawn, Witney, Oxfordshire, OX28 5HY, UK
Mobile: +44 (0)7949 762820 Phone: +44 (0)1993 209098 Email: steve.boyle@moshondata.com