

Euro NCAP Global Vehicle Target

Soft Car 360®



The Soft Car 360 from DRI is a lightweight, durable, and collapsible whole vehicle target which forms the perfect ADAS testing solution when combined with AB Dynamics' GST platform. Suitable for use with passenger cars and heavy-duty vehicles alike, the Soft Car 360 separates into lightweight parts on impact to minimise the risk of damage to test vehicles.

The Soft Car 360 is the result of years of real-world testing experience gained working with the world's leading OEMs and NHTSA. Available in hatchback, sedan and micro versions, the hatchback has been adopted as the Global Vehicle Target (GVT) for Euro NCAP ADAS testing.



Euro NCAP approved hatchback



Foam body structure underneath photo-realistic vinyl skins



Aerodynamically stable for testing at up to 120 km/h with GST 120



Ability to perform ADAS tests at a closing speed of 144 km/h



Full wheel foam pieces with corner reflectors



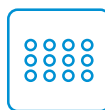
Less than 8 minutes build time



Radar reflective material in bumpers, doors and bonnet



Radar absorbing material underskirts



Panels encase breakaway radio and GNSS antennas



Hatchback, sedan and micro versions also available

Specification

Dimensions	Hatchback	Sedan	Micro
Length	4023mm	4928mm	2794mm
Width	1712mm	1854mm	1524mm
Height	1427mm	1473mm	1473mm
Weight	108kg	118kg	79kg

Performance	Hatchback	Sedan	Micro
Maximum speed at which target is stable	120 km/h	80 km/h	80 km/h

Supported sensor testing	Hatchback	Sedan	Micro
Ultrasonic	Yes	Yes	Yes
Mono/stereo camera	Yes	Yes	Yes
Lidar	Yes	Yes	Yes
Radar	Yes	Yes	Yes

Compliance	Hatchback	Sedan	Micro
Euro NCAP	Yes	No	No
ISO 19206-3:2021	Yes	No	No

Active taillights add-on

Running lights	On during normal operation in low light
Brake lights	Brighter than running lights
Signal lights	Left & right amber turn signals



Designed for test engineers by test engineers

The Soft Car 360 is designed and engineered by Dynamic Research, Inc. (DRI) in California. For decades DRI has provided research and testing services for the world’s leading OEMs, completing hundreds of tests per year, including FMVSS, NHTSA NCAP and Euro NCAP tests.

DRI has leveraged its extensive hands-on experience with test targets and equipment for nearly every possible scenario to design, develop, and produce a range of best-in-class surrogate targets such as the Soft Motorcycle 360.



About AB Dynamics

AB Dynamics is a leading global provider of automotive test and verification solutions that facilitate the development of vehicles that are safer, more efficient and sustainable. As part of the AB Dynamics Group of companies, we enable customers to develop and test in virtual environments, validate on the track and then evaluate vehicles on public roads.

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