



Product specification



Soft Pedestrian 360™



The Soft Pedestrian 360 is the next generation of articulated surrogate pedestrian target, bringing a whole new level of realism and vehicle protection to VRU testing.

Sophisticated active articulation including upper body joints enables naturalistic movement and the ability to synchronize gait with platform speed, so that acceleration and deceleration are more realistic than ever. Additionally, the Soft Pedestrian 360's robust design has been carefully considered for repeatable, uninterrupted testing.

The Soft Pedestrian 360 was developed by the same team that brought us the iconic Soft Car 360®, and its design is the result of years of real-world testing experience gained working with the world's leading OEMs and the National Highway Traffic Safety Administration (NHTSA).



Fully programmable active articulation of hip, knee, shoulder and neck for realistic motion



Step-in-sync functionality ensures legs are synchronized in real-time with platform IMU



No exposed plastic or metal components that can damage vehicle panels and windscreens



Modular design for easy reassembly



Euro NCAP approved (adult)



Sophisticated active articulation ensures natural gait



Durable servo design with foam protection and clutch mechanism to prevent from being back driven



Compatible with common VRU platforms

Specifications

Dimensions

	Adult	Child
Height	1800mm	1154mm
Shoulder width	500mm	308mm
Weight	6kg (fully articulated)	2.6kg

Performance

	Adult	Child
Max. collision speed	80km/h	60km/h

Compliance

	Adult	Child
ISO 19206-2	Yes	Yes
Euro NCAP approved	Yes	In progress

Supported sensor testing

	Adult	Child
Ultrasonic	Yes	Yes
Mono/stereo camera	Yes	Yes
Lidar	Yes	Yes
Radar	Yes	Yes
Near infrared	Yes	Yes

Articulation

	Adult	Child
Full	Hip, knee, shoulder, neck	-
Standard	Hip, knee, shoulder	-
Basic	Hip, knee	Hip, knee



About DRI

DRI is an AB Dynamics Group company that has provided research and testing services to the world's leading vehicle manufacturers and suppliers for over 40 years. Today, we provide year-round dynamics, ADAS and K&C testing services from our California proving ground. We also offer comprehensive human factors research services and have developed a world-leading range of surrogate ADAS targets.

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