



Product specification

Ride into the future of VRU testing

Soft Bicycle 360™



As regulatory and consumer bodies continue to expand their requirements for ADAS bicyclist testing, the need for a robust yet compliant surrogate target has never been greater.

The Soft Bicycle 360's design focuses on realism and minimizing damage to vehicles under test. Recognized as a real bicycle by sensing technologies, including camera, radar, and lidar, it is also compact, lightweight, and robust.

The Soft Bicycle 360 increases test efficiency and uptime so you can conduct more tests without interruption. Providing unrivaled stability in straight lines and cornering, the Soft Bicycle 360 is perfect for current testing requirements and is capable of replicating more challenging scenarios in the future.



30% lighter than comparable bicycle targets



Durable nylon hub and spoke wheel design with soft protruding tires



Smooth reverse running for easy repositioning



Modular design for easy reassembly



Soft structure and light weight minimizes target and test vehicle damage



Rotating wheels provide speed-matched Doppler effect for radar sensors



Stable at up to 40 km/h when paired with LaunchPad™



Complies with 19206-4 - requirements for bicyclist targets

Specifications

Dimensions

Wheelbase	1230mm
Wheel diameter	680mm
Weight	8.2kg

Compliance

Euro NCAP approved	Yes
ISO 19206-4	Yes

Supported sensor testing

Micro-doppler	Yes
Camera	Yes
Lidar	Yes
Radar	Yes

Performance

Max. stable speed	40km/h
-------------------	--------



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.

For more information: www.dynres.com | info@dynres.com

©2024 Dynamic Research, Inc. All rights reserved. AB Dynamics®, DRI™, LaunchPad™, Soft Car 360®, Soft Pedestrian 360™ and Soft Bicycle 360™ are trademarks and the property of AB Dynamics plc or its subsidiaries in the United States of America, United Kingdom and elsewhere. Systems, components, methodologies and software supplied may be the subject of patent and design rights. Whilst this information is provided in good faith, no warranty or representation is given concerning such information, which must not be taken as establishing any contractual or other commitment binding upon AB Dynamics plc or any of its subsidiaries.

PS-SB-10/24-USA