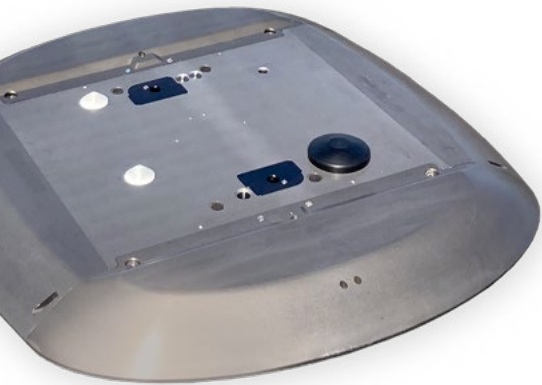


The future of VRU testing today

# LaunchPad™ 80



LaunchPad 80 is the latest addition to the LaunchPad product family. It's the fastest platform specifically for VRU testing, capable of carrying a motorcycle target at 80km/h and braking at over 0.6g. Reliable and realistic ADAS testing, even in the most challenging scenarios, is now a reality. The increased test speeds and enhanced braking capability ensure LaunchPad 80 users are prepared for future Euro NCAP tests and UNECE requirements.



Synchro system coordinates with up to 15 other test objects



Hydraulic braking enabling 6m/s<sup>2</sup> deceleration



80km/h top speed with target fitted



Compatible with TrackFi, TrackFi Pro and TrackFi PowerMesh radio systems



Battery capacity of 800Wh for extended running



2 internal and 2 external antennas for reliable data transfer



44 tonne truck drive over capacity



Integrated GNSS inertial navigation unit for 2cm positioning



4-wheel drive and 4-wheel steering for manoeuvrability



Common software interface with AB Dynamics ADAS platforms and driving robots



Aluminium chassis with IP67 weather resistance

# Specification

## LaunchPad™ 50

### Dimensions

917 x 875 x 65mm

### Weight (approx.)

40kg

### Weather resistance

Fully sealed electronics,  
waterproof to IP67

### Maximum speed (with target)

50km/h

### Maximum acceleration

2.5m/s<sup>2</sup>

(excluding target)

### Maximum braking

5m/s<sup>2</sup>

(excluding target)

### Payload

Pedestrian, cyclist, motorbike,  
moped, animal. Maximum 15kg

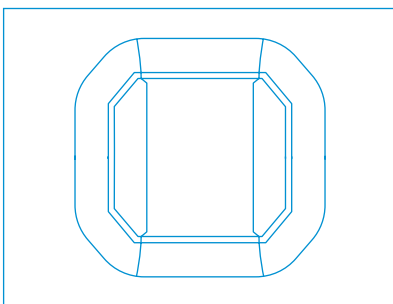
### Batteries

Twin high-capacity LiFePO4  
battery packs 400Wh,  
rapid battery swap system

### Drive-over capacity

1000kg per wheel  
3550kg per wheel (HD Panel)

### Size comparison to scale



## LaunchPad™ 60

### Dimensions

917 x 875 x 65mm

### Weight (approx.)

40kg

### Weather resistance

Fully sealed electronics,  
waterproof to IP67

### Maximum speed (with target)

60km/h

### Maximum acceleration

4m/s<sup>2</sup>

(excluding target)

### Maximum braking

6m/s<sup>2</sup>

(excluding target)

### Payload

Pedestrian, cyclist, motorbike,  
moped, animal. Maximum 15kg

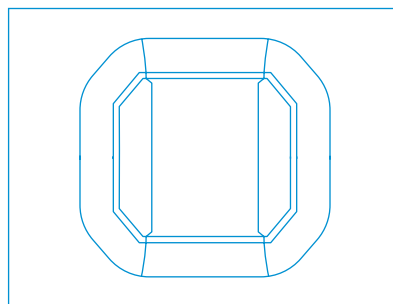
### Batteries

Twin high-capacity Lithium-  
ion battery packs 540Wh,  
rapid battery swap system

### Drive-over capacity

1000kg per wheel  
3550kg per wheel (HD Panel)

### Size comparison to scale



## LaunchPad™ 80

### Dimensions

1045 x 960 x 80mm

### Weight (approx.)

75kg

### Weather resistance

Fully sealed electronics,  
waterproof to IP67

### Maximum speed (with target)

80km/h

### Maximum acceleration

3m/s<sup>2</sup>

(Euro NCAP PTW fitted)

### Maximum braking

>6m/s<sup>2</sup>

(Euro NCAP PTW fitted)

### Payload

Motorbike, moped  
Maximum 15kg

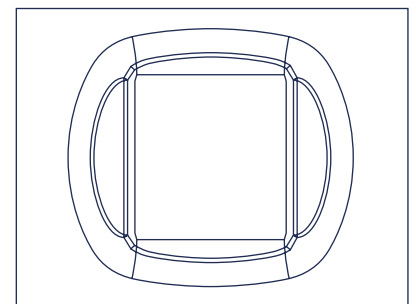
### Batteries

Twin high-capacity LiFePO4  
battery packs 800Wh,  
rapid battery swap system

### Drive-over capacity

3550kg per wheel

### Size comparison to scale



## 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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### SP25 Issue 6

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