



## Kick Plate CARSP21

#must-have in each road safety training centre  
#unique drive experience & action



Skidding and drift trainings are the most popular exercises and the **absolute highlight of driver trainings**.

With the Kick Plate CARSP21 **complex driving situations** can be trained **safely** in different speed ranges.

„Practice makes perfect“ - skidding vehicles can only be intercepted and quickly stabilised with the right reaction and automated viewing and steering technique.

During skid trainings you learn impressively the **limits of the car** on wet, icy or oil-stained roads and you learn to better assess and master these dangerous situations.



# Kick Plate CARSP21

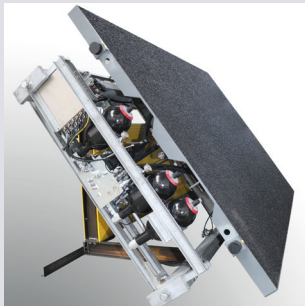
#safely train the correct reaction

#drive even better



## Key Facts

- **innovative, computer-controlled complete system** with hydraulically moved plate
- reliable **all seasons operation** with heating in the foundation pit and flood sensors
- remote maintenance module
- integrated **safety logic** for driving errors
- easy, **user-friendly operation**



## Technical Data

### General technical data

|   |                     |
|---|---------------------|
| max. vertical load (admissible axle load of vehicle) .....          | 4.0 t               |
| max. admissible total vehicle weight for driving on the plate ..... | 7.5 t               |
| admissible speed range .....  | 25 - 80 km/h        |
| min./max. wheel base of the vehicle.....                            | 1.5 - 4.5 m         |
| passage width.....  | 3.8 m               |
| plate depth of the mobile plate .....                               | 3.0 m               |
| max. traverse speed of the mobile plate standard mode .....         | 3.0 m/s             |
| max. traverse speed of the mobile plate boost mode .....            | 3.2 m/s             |
| max. achievable acceleration of the mobile plate.....               | 15 m/s <sup>2</sup> |
| max. lateral movement of the vehicle standard mode .....            | 35 cm               |
| max. lateral movement of the vehicle boost mode.....                | 40 cm               |
| max. possible number of kick cycles standard mode .....             | 240/h or 4/min      |
| max. possible number of kick cycles boost mode.....                 | 180/h or 3/min      |

### Energy and performance

|  |                    |
|--|--------------------|
| standard electrical connection (other mains voltages on request) ..... | 3 x 400 V - 50 Hz  |
| necessary series fuse incl. fault-current breaker .....                | 35 A               |
| drive power electric motor hydraulic pump .....                        | 5.5 kW - 1450 rpm  |
| high-pressure hydraulic pump delivery rate standard mode.....          | 11 l/min - 235 bar |
| high-pressure hydraulic pump delivery rate boost mode .....            | 11 l/min - 255 bar |
| low-pressure hydraulic pump delivery rate .....                        | 11 l/min - 40 bar  |
| total hydraulic oil volume .....                                       | ~ 180 l            |
| energy requirements (without heating) for 1000 kick cycles .....       | 25 kWh             |

### Dimensions and weight

|   |                     |
|---|---------------------|
| dimensions of kick plate l x w x d .....                  | 6 x 2.96 x 0.8 m    |
| weight of kick plate .....                                | 5400 kg             |
| dimensions hydraulic drive unit l x w x h .....           | 1.24 x 1.08 x 1.6 m |
| weight of hydraulic drive unit (without oil filling)..... | 380 kg              |

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