SCIENTICO INDIA
Manufacturer & Exporter · Ambala, Haryana, India

PRODUCT DATA SHEET
Catalogue reference for product evaluation

Phone: +91 7015865225 **Email:** info@scienticoindia.com **Web:** scienticoindia.com **Address:** #71, Industrial Area, Ambala Cantt, Haryana, India

Wheel Alignment Training Stand | SC-WAS 3010

Category: TVET Equipments · **Order Code:** WAS 3010 · **Country of Origin:** India

Product Overview

The Wheel Alignment Training Stand SC-WAS 3010 is an open stand for suspension geometry and wheel alignment training. It offers camber, SAI, caster, and toe adjustment, a multi-link rear suspension, and measurement from all sides without a lifting platform.

View this product online: https://scienticoindia.com/product/wheel-alignment-training-stand-sc-was-3010/



Request a model-specific quotation
Include quantity and delivery country.

Technical Specifications

Wheel Alignment Training Stand SC-WAS 3010 — Technical Specifications

Parameter	Value
Tender Item ID	11010
Model No.	SC-WAS 3010
Item Code / CIC	TTS / EEE
Brand / Origin	Scientico / India
Construction	Open training stand, no lifting platform required
Front Suspension	Camber, SAI, caster, toe, wheelbase adjustable
Rear Suspension	Multi-link, 3 adjustment points
Camber Adjustment	±3°
Caster Adjustment	0° to +8°
SAI Adjustment	8° to 16°
Toe Adjustment	±5 mm per wheel
Resolution	0.05° / 0.5 mm
Dimensions (Extended)	Approx. 120 x 340 x 180 cm
Dimensions (Folded)	Approx. 110 x 165 x 170 cm

Parameter	Value
Net Weight	Approx. 200 kg
Compliance	CE

Technical Data

Front Suspension:

- Camber, SAI, and caster adjustment via shock absorber position, eccentric bolts, and wheel position on lower arm
- Toe-in and toe-out by tie rod
- Caster and wheelbase by moving subframe lengthwise
- Camber and SAI by moving subframe sideways
- Steering wheel locking bolt

Rear Suspension:

- Multi-link design
- Toe adjustment at lower arm
- Camber by eccentric bolts on upper arm
- Wheelbase by front rod

Measurable Parameters:

- Wheelbase distances and diagonals
- SAI and wheelbase length
- Ride height and shear angle
- Turning radius and axle displacement
- Track width, front and rear setback, centre line

Key Features

Key Features

- Open Construction: Measurement from all sides without a lifting platform
- Multi-Method Training: 3D aligners, CCD aligners, and mechanical methods
- Full Front Adjustment: Camber, SAI, caster, toe, and wheelbase
- Three-Point Rear Adjustment: Toe, camber, and wheelbase
- Fine Resolution: 0.05° and 0.5 mm

Experiments

- Demonstration of suspension geometry
- Camber, SAI, and caster adjustment
- Toe-in and toe-out adjustment
- Wheelbase and track width measurement
- Setback and centre line checks
- Ride height and shear angle measurement
- Turning radius and axle displacement measurement
- Alignment with 3D aligners, CCD aligners, and mechanical methods (rulers, ropes, lasers, mirrors)

Construction and Design

The SC-WAS 3010 uses an open frame that extends to approximately 120 x 340 x 180 cm and folds to approximately 110 x 165 x 170 cm on its wheels. Front and rear adjustment points allow geometry changes at the shock absorbers, eccentric bolts, tie rods, and subframe.

Scope of Delivery

- 1 Wheel alignment training stand SC-WAS 3010
- 2 Wheels with tyres

- Turntables for front wheels
- Slip plates for rear wheels
- 1 English manual

Ordering & Delivery

- Send the product name, quantity, delivery country and destination with your enquiry.
- Production schedule, freight, payment terms and export documents are confirmed in the written quotation.

Frequently Asked Questions

Q: Does the SC-WAS 3010 need a lifting platform?
A: No. The open construction allows measurement from all sides without one.

Q: What adjustment ranges does the SC-WAS 3010 provide?
A: Camber ±3°, caster 0° to +8°, SAI 8° to 16°, and toe ±5 mm per wheel, with 0.05° and 0.5 mm resolution.

Q: Which alignment methods can be practised?
A: 3D aligners, CCD aligners, and mechanical methods using rulers, ropes, lasers, and mirrors.

Q: What are the dimensions of the SC-WAS 3010?
A: Extended, it measures approximately 120 x 340 x 180 cm. Folded on its wheels, approximately 110 x 165 x 170 cm. Net weight is about 200 kg.

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