

CERTUS³

test lanes – technical parameters

CERTUS Design control unit

CERTUS Design control unit	Mobile, steel, powder coated
Engine control	CPU controller with 2 inverters (only for CRB 13)
Processing	PC set, unit ready to communicate with external devices and networks
Main display / repeater	24 inch / 35-100 inch. Full HD
Graphics	Full HD
Internal communication protocol	CAN network
Wireless communication	Remote control, pressure sensors, pedal force, possibility to add further devices



Technical parameters of an test lane suitable for passenger cars, vans, trucks (not exceeding 13T per axle) and motorcycles

Roller brake tester CERTUS 3 CRB 13

Roller brake tester for pit installation, powder coated	Motors hidden under the roller	
Roller brake tester dimensions (one side - LxWxH)	1.200 x 1.045 x 554	mm
Weight of roller brake tester (one side)	Ca. 450	kg
Roller length	1.000	mm
Roller' diameter	205	mm
Rollers	Steel with composite coating	
Traction – dry/wet	0,9 / 0,8	
Third roller diameter	100	mm
Roller axle span	420	mm
Power transmission	High ratio planetary transmission with chain connection to the rollers	
Testing speed	2,6 and 5,2	km/h
Permissible axle load (drive over)	13	T
Motors' power	7,5	kW
Voltage	3 x 400 / 50	V / Hz
Wiring / Fuse	For motors 7,5 kW: 5 x 6 / 50	mm² / A
Measuring system, external forces' sensor	Integrated amplifier	DMS



Suspension tester CERTUS 3 CSA

Testing method	BOGE	
External dimensions (one side - LxWxH)	1.160 x 800 x 280	mm
Wheel track	800 - 2.200	mm
Permissible axle load (drive over)	13	T
Maximum testing axle weight	2	T
Oscillation frequency	16	Hz
Max. amplitude of testing plate	100	mm
Motors' power	2 x 1,3	kW
Voltage	3 x 400 V	50 Hz
Wiring / Fuse	5 x 2,5 mm ²	20 A



Side slip tester CERTUS 3 CPS 15

Testing plate	Single-part unit, powder coated	
Self-acting testing unit	Based on electronic potentiometer	DMS
Voltage	DC 12	V
Dimensions of testing plate	L. 750 x W. 990 x H. 50	mm



Play detector CERTUS 3 CPD 20.1

Drive	hydraulic	
Force of hydraulic cylinder	21,5	kN
Hydraulic pressure	110	bar
Motor power	3	kW
Dimensions of plate	900 x 750	mm
Max. plate movement in direction: transversal / longitudinal	100 / 100	mm
Speed of plate movement	8,7 cm/s	cm/s
Max. axle load	200	kN
Max. load for one plate	100	kN
Hand lamp / Remote controller	Wireless, LED, 12 V, 2600mAh, 500 g	



CERTUS³

Technical parameters of an test lane suitable for passenger vehicle, vans (not exceeding 3,5T of maximum total weight) and motorcycles

Roller brake tester CERTUS 3 CRB 3,5

Steel rollers' box	Powder coated	
Permissible axle load (drive over)	max. 4	T
Wheel track - min. / max.	800 / 2.200	mm
Rollers' diameter	205	mm
Steel rollers with composite surface	Traction – dry/wet	0,9 / 0,8
Third roller's diameter	50	mm
Rollers' axle span	410	mm
Testing speed / motors' power	5 km/h	2 x 3 kW
Braking force results	0 - 6	kN
Voltage	3 x 400 V	50 Hz
Wiring / fuse	5 x 2,5 mm ²	32 A
Dimensions	(W. x L. x H.) 2.320 x 680 x 240	mm
Weight	450	kg



Side slip tester CERTUS 3 CPS 4.0

Powder coated testing plate	Single-part unit	
Self acting testing unit	Based on electronic potentiometer	DMS
Voltage	DC 12	V
Dimensions of testin plate	LxWxH 1000 x 500 x 50	mm



Suspension tester CERTUS 3 CSA

Testing method	BOGE	
External dimensions WxLxH	2.320 x 800 x 280	mm
Wheel track	800 - 2.200	mm
Maximum drive-through axle weight	4	T
Maximum testing axle weight	2	T
Oscillation frequency	16	Hz
Max. amplitude of testing plate	100	mm
Motors' power	2 x 1,3	kW
Voltage	3 x 400 V	50 Hz
Wiring / Fuse	5 x 2,5 mm ²	20 A



Play detector CERTUS 3 CPD 4.1

Drive	hydraulic	
Force of hydraulic cylinder	5,5	kN
Hydraulic pressure	80	bar
Motor power	1,1	kW
Dimensions of plate	750 x 750	mm
Max. plate movement in direction: transversal / longitudinal	100 / 100	mm
Speed of plate movement	12,8 cm/s	cm/s
Max. axle load	40	kN
Max. load for one plate	20	kN
Hand lamp / Remote controller	Wireless, LED, 12 V, 2600mAh, 500 g	



CERTUS³

Manufacturer:
WSOP Sp. z o.o.
ul. Pszczyńska 306
44-100 Gliwice
Poland

e-mail: export@wsop.pl
tel. +48 32 332-49-30
fax +48 32 332-48-48

WSOP

www.certustestlane.com