

COSBER



LEAFLET

**Car Brake Tester
COSBER C-BTC Series**



Car Brake Tester COSBER C-BTC Series

C-BTC refers to the model series of various passenger car brake tester that meet the requirements of different testing organizations.

The individual configuration options, due to the modular structure, allow configuration according to the ideas and expectations of each customer.

All brake tester comply with the German guideline for brake tester (§29 StVZO Annex VIII d).

The brake tester are developed in Germany and use main components (such as geared motors and sensors) from European manufacturers.

BRAKE TESTER

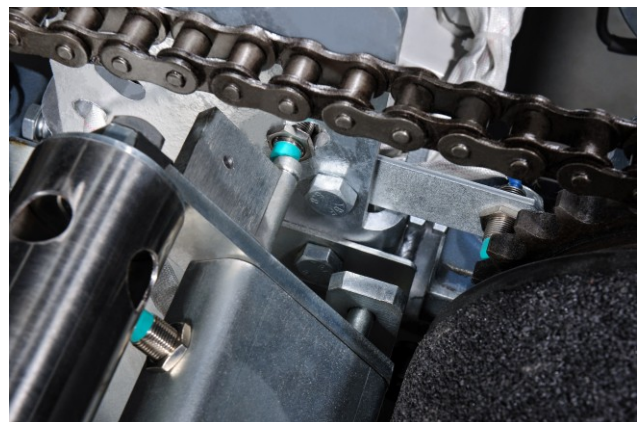
- Hot-dip galvanized roller set
- Low-wear corundum rollers
Optionally available welded rollers
- Wear-free, electronic strain gauge measuring system
- Speed sensors for wheel and roller speed
- Powerful electric motors from European manufacturers
- High efficiency due to automatic test sequence
- Manual/automatic operation, delayed automatic switch-on
- Slip shutdown and shutdown after exit from the test bench
- Electromagnetic motor brake as a drive-out aid
- Includes all-wheel drive kit, for testing 4WD vehicles
- Roller-Set fits into all common pits
- Build-in height adjustment screws
- Optionally available weight scales for determining the axle load
- Optionally upgradable to a test lane with suspension tester and/or sideslip tester



Speed-Sensor



Brake force sensor



Drive-In Sensor

Model	C-BTC22 (3.8kW)	C-BTC22 (4.4kW)	C-BTC32	C-BTC42
Max. test load / axle load at 50% brake force	2,900 kg	4,500 kg		
Max. override load / axle	4,000 kg			
Max. braking force / wheel	7.0 kN	10.9 kN		
Track width min. / max.	800 / 2,200 mm		800 / 2,500 mm	800 / 2,800 mm
Test speed	4.8 km/h	5.1 km/h		
Roll length	700 mm		850 mm	1,000 mm
Roller diameter	Ø 205 mm			
Roller height difference	25 mm			
Friction coefficient (dry / wet)	> 0.7 / 0.6			
Power	2 x 3.8 kW	2 x 4.4 kW		
Dimensions (L x W x H)	2,320 x 660 x 240 mm		2,620 x 660 x 240 mm	2,920 x 660 x 240 mm
Weight net / gross	430 kg / 480 kg	440 kg / 490 kg	470 kg / 520 kg	530 kg / 550 kg

ANALOG DISPLAY

- Analog & Digital Brake Force Indicator
- Modes:
Manual / Automatic / All-wheel drive
- Test instructions by help of LED display
- Differential display (%) by help of LED
- Status lights for operating modes
- Weight display in kg
(with optional scale)
- Traction indicator in %
(with optional suspension tester)
- Track deviation in m/km (with optional sideslip tester)
- Includes swivel arm wall bracket
Optional stand for mounting on the ground



Analogue display with swivel arm (standard)

Model	Analog Display
Measurement range of braking force	100 - 8,000 N
Display accuracy of braking force	1 N
Analog Display	2x 255 mm clocks (300°)
LED Display	16 characters, 1 row
Measuring range of damping rate (traction)	0 ~ 100 %
Display Accuracy of damping rate (traction)	1 %
Measuring range of track displacement	-20 mm ~ +20 mm
Display accuracy of track displacement	1 mm
IP protection class	IP54
Dimensions (L x W x H)	830 x 200 x 610 mm
Weight	25 kg

CONTROL BOX

- Compact control cabinet
 - Equipped with ASA livestream interface
 - Built-in rugged wireless remote control
 - Lockable main switch
 - Includes wall bracket for control cabinet
- Optional stand for mounting on the ground



Control box



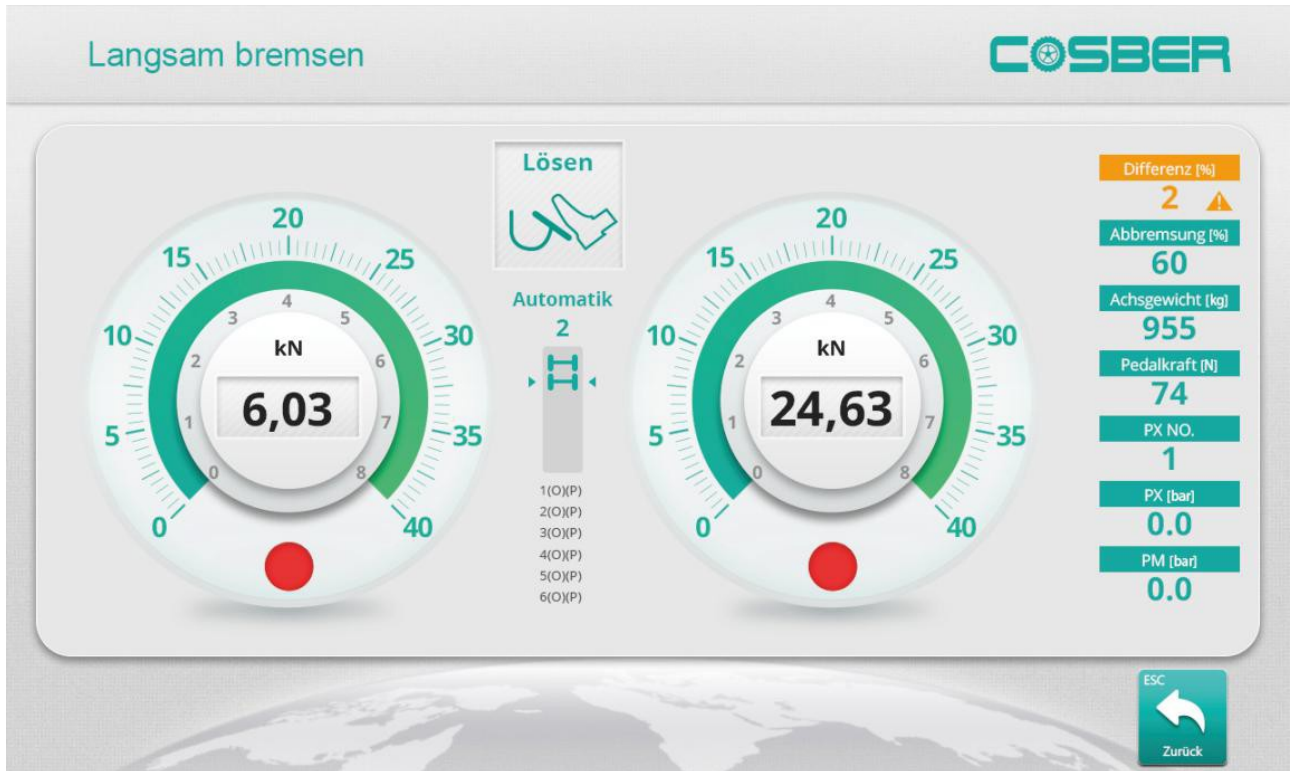
Remote Control
(Standard)



Wall bracket for control box
(Standard)

Model	Control box
Power supply	AC 3Ph x 400V / 50Hz
Dimensions (L x W x H)	600 x 570 x 240 mm
Weight	20 kg

PC CONNECTION (optional)



Software view in test mode

Fahrzeugdaten

COSBER

Fahrzeug Kunde

Fahrzeugdaten

Kennzeichen

VIN

Hersteller

Modell

KM-Stand

Zul. Ges.-Gewicht [kg]

Erstzulassung 2018年 1月 30日

Fahrzeugkategorie

Achszahl

Antriebsart 2WD

Betriebsart Superautomatik

Berechnungsdruck [bar] 8.5

Prüf-Optionen

Achse	Betriebsbremse	Parkbremse	PS Sensor 16	Druck [bar]
1	<input type="checkbox"/>	<input type="checkbox"/>	1	8.5
2	<input type="checkbox"/>	<input type="checkbox"/>	2	8.5
3	<input type="checkbox"/>	<input type="checkbox"/>	3	8.5
4	<input type="checkbox"/>	<input type="checkbox"/>	4	8.5
5	<input type="checkbox"/>	<input type="checkbox"/>	5	8.5
6	<input type="checkbox"/>	<input type="checkbox"/>	6	8.5

* Unrundheit

Weiter Zurück

Easy information capture

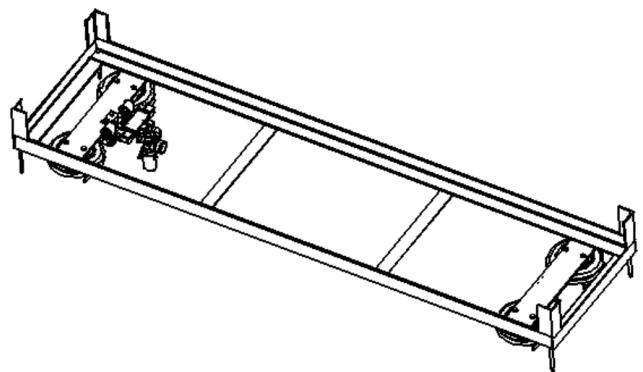


Guided test sequence

LIFTING DEVICE (optional)



- Suitable for model C-BTC32
- Lifting device for easy testing of trailers with tandem axle
- Low-maintenance pneumatic lift drive
- Four integrated lifting bellows for powerful lifting



Lifting Device

Model	Lifting Device
Lifting capacity max.	3,000 kg
Lifting height max.	120 mm
Compressed air supply	6 to 8 bar

TEST LANE (optional)





Model	Suspension Tester C-ESC20
Axle load max.	1,500 kg
Plate size	700 x 300 mm
Power	2 x 4.0 kW
Power supply	AC 3Ph x 400V / 50Hz
Dimensions (L x W x H)	2,320 x 420 x 275 mm

Model	Sideslip tester C-SSC20
Axle load max.	2,000 kg
Plate size	600 x 500 mm

OPTIONS

Description	Picture
Foundation frame	
Swing roller cover plates	
Motorcycle Kit	
Column for control cabinet or analogue display	
Radio pedal force sensor	
Pedal Force Sensor Cable	
Lifting device (for BTC32 only)	

OPTIONS

Description	Picture
PC connection	
PC Trolley	
Suspension tester	
Sideslip tester	
Welded rollers	
4-point axle load scale	
Bi-directional kit	 <p>Bi-Directionale Überfahrt mit gleich hohen Rollen</p>

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