

WHEEL BALANCERS



SERIES JOHN BEAN WHEEL BALANCERS

Productivity and ease of use

SERIES **B300, B400, B500, B600**

JohnBean



POWER CLAMP™

SMART SONAR™

Automatic rim width acquisition via Smart Sonar™ together with rim diameter and offset measurement via 2D-SAPE make this balancer the ideal solution for high-volume workshops.

SHORT BALANCING CYCLE

Extremely short balancing cycle (start/stop) of 4.5 sec.

easyWEIGHT™

Pinpoint indicator light – an accurate, fast and easy solution to position adhesive weights on the wheel.



SMART SONAR™

TOUCH SCREEN

Touch screen monitor with large digits and coloured weight position indicators – improved intuitiveness and ergonomics.

GOLD USER INTERFACE

This new design of the graphical user interface allows fast and intuitive control of balancing operation.

POWER CLAMP™

The patented electro-mechanical Power Clamp™ device clamps the wheel accurately with a constant force, which is most important for every balancing operation.

VPI

Measurement technique for uncompromised accuracy.



easyWEIGHT™





RIM LIGHTING

Facilitates rim cleaning and speeds up data entry and weight positioning.

QuickBAL™

Only the number of revolutions actually required to get an accurate imbalance measurement is performed, reducing measurement time by 30 %.

WEIGHT TRAY

New, ergonomic and attractive.



TOUCH SCREEN



VPI



STOP IN POSITION

B300S

- LED display and control panel integrated in the weight tray
 - Automatic input of rim width via Smart Sonar™
 - Semi-automatic input of rim diameter and offset with gauge arm
 - easyALU™
 - VPI measurement technique
 - Constant rotational speed
 - Multiple user capability (4 users)
 - QuickBAL™ for reduced balancing times
 - Split weight mode
 - Imbalance minimisation program
 - Imbalance optimisation program
 - The pedal-operated mechanical lock firmly holds the wheel in every position
 - Wheel clamped on the integrated flange by means of a quick nut
 - Oversize shaft
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- **B300L** with easyWEIGHT™ feature
 - **B300P** with easyWEIGHT™, Power Clamp™ device and electro-mechanical lock



INTUITIVE DISPLAY

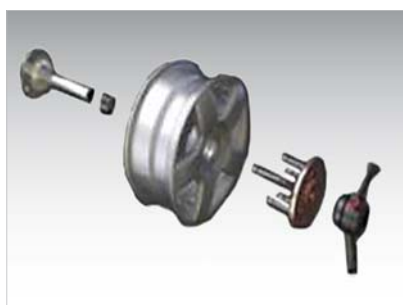


easyALU™

Semi-automatic preselection of balancing mode, ALU-P or steel rim.

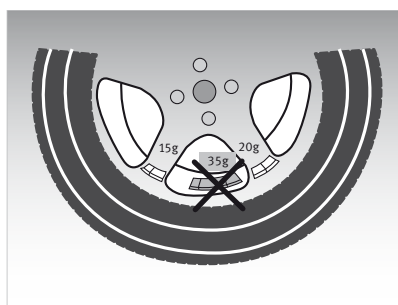
B400L

- Silver graphical user interface
- easyWEIGHT™
- Semi-automatic input of rim diameter and offset with gauge arm
- Automatic input of rim width via Smart Sonar™
- easyALU™
- VPI measurement technique
- Constant rotational speed
- QuickBAL™ for reduced balancing times
- Imbalance minimisation program
- Imbalance optimisation program
- Split weight mode
- Wheel clamped on the integrated flange by means of a quick nut
- Oversize shaft



OVERSIZE SHAFT

The shaft of 225mm length allows the use of stud-hole flanges and other accessories for almost every type of rim.



SPLIT WEIGHT MODE

Hides adhesive weights behind two adjacent spokes so they cannot be seen from the outside.

B500L

- Intuitive display in ergonomic raised position
- easyWEIGHT™
- Semi-automatic input of rim diameter and offset with gauge arm
- Automatic input of rim width via Smart Sonar™
- easyALU™
- VPI measurement technique
- Constant rotational speed
- QuickBAL™ for reduced balancing times
- Split weight mode
- The pedal-operated mechanical lock firmly holds the wheel in every position
- Multiple user capability (9 users)
- Wheel clamped on the integrated flange by means of a quick nut
- Oversize shaft
- **B500P** with Power Clamp™ device and electro-mechanical lock



ERGONOMIC DISPLAY

The raised display increases ergonomic handling.



GAUGE ARM

The 2D SAPE gauge arm features semi-automatic input of rim diameter and offset and facilitates positioning of adhesive weights.

B600L

- ✦ Gold graphical user interface with touch screen functions
- ✦ easyWEIGHT™
- ✦ Semi-automatic input of rim diameter and offset with gauge arm
- ✦ Automatic input of rim width via Smart Sonar™
- ✦ easyALU™
- ✦ Rim lighting
- ✦ VPI measurement technique
- ✦ Constant rotational speed
- ✦ QuickBAL™ for reduced balancing times
- ✦ Imbalance minimisation program
- ✦ Imbalance optimisation program
- ✦ Split weight mode
- ✦ The pedal-operated mechanical lock firmly holds the wheel in every position
- ✦ Wheel clamped on the integrated flange by means of a quick nut
- ✦ Oversize shaft
- ✦ **B600P** with Power Clamp™ device, Stop-in-position feature and electro-mechanical lock



GOLD GRAPHICAL USER INTERFACE WITH TOUCH SCREEN FUNCTIONS

Time-saving and intuitive user interface.



RIM LIGHTING

High-brightness LED lighting system

TECHNICAL SPECIFICATIONS AND FEATURES

TECHNICAL SPECIFICATIONS

		B300S / B300L / B300P	B400L	B500L / B500P	B600L / B600P
Vehicles supported		Pkw, LLkw, SUV, Geländefahrzeuge / Motorräder (Adapter erforderlich)			
Measuring speed	rpm	< 200	< 200	< 200	< 200
Balancing accuracy	g	1	1	1	1
Angular resolution	°	0.7	0.7	0.7	0.7
Start/Stop balancing time (wheel 195/65R15)	S	4,5	4,5	4,5	4,5
Semi-automatic data entry (SAPE)					
Rim diameter	inch	8-25	8-25	8-25	8-25
Rim width	inch	3-15	3-15	3-15	3-15
Manual data entry					
Rim diameter	inch	8-32	8-32	8-32	8-32
Offset	inch	1-20	1-20	1-20	1-20
Rim width	inch	1-20	1-20	1-20	1-20
Maximum wheel dimensions					
Max. wheel diameter	mm	1050	1050	1050	1050
Wheel width range	mm	76-508	76-508	76-508	76-508
Max. wheel weight	kg	70	70	70	70
Diameter of shaft	mm	40	40	40	40
Length of shaft	mm	225	225	225	225
Wheel lift max. load	kg	70	70	70	70
Power supply		230V 1ph50/60Hz	230V 1ph50/60Hz	230V 1ph50/60Hz	230V 1ph50/60Hz
Dimensions L x W x H (Wheel guard open)	mm	1313 x 868 x 1834	1313 x 868 x 1834	1313 x 868 x 1834	1313 x 868 x 1834
Net weight	kg	120	130	140	130

FEATURES

	B300S / B300L / B300P	B400L	B500L / B500P	B600L / B600P
Data entry - Diameter and offset	Semi-automatic, gauge arm	Semi-automatic, gauge arm	Semi-automatic, gauge arm	Semi-automatic, gauge arm
Data entry - Wheel width	Automatic, non-contact Smart Sonar™	Automatic, non-contact Smart Sonar™	Automatic, non-contact Smart Sonar™	Automatic, non-contact Smart Sonar™
easyWEIGHT™	- / • / •	•	•	•
Stop in position				- / •
Rim lighting				•
Display type	LED integrated	Monitor	LED raised	Touch screen monitor
Wheel lift type	Optional BW 2010	Optional BW 2010	Optional BW 2010	Optional BW 2010

EMEA-JA

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Part of the machines is illustrated with optional extras which are available at extra cost. Technical and visual modifications reserved.

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