



Accurately Weighing Africa



# SAS-Bridge

(WB-SB)

Affordable, Sturdy and Simple

WBSB-24-08

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## SAS-Bridge (WB-SB)

Discover the unparalleled range of truck weighing solutions offered by Sasco, from single deck weighbridges to multi deck weighbridges and weigh-in-motion systems.

When choosing the optimal truck weighing solution, factors such as budget considerations, the need for axle and total weights, available space, truck length, daily weight volume, required maximum axle loadings, deck strength, level of automation, and the possibility of unmanned weighbridges all come into play.

Sasco's extensive product line up ensures that the perfect solution, which are all powered by European manufacturer weighing indicators, align seamlessly with specific requirements. In terms of single deck weighbridge solutions Sasco has six options:

	<b>SAS-Bridge WB-SB</b>	WB-LP	WB-AW	WB-PT	WB-AC	WB-HD
<b>Total Accuracy</b>	<b>±99.95%</b>	±99.95%	±99.98%	±99.98%	±99.98%	±99.98%
<b>Deck Type</b>	<b>WB80 LP</b>	WB80 LP	WB80 T	SPT Portable	Concrete	WB120 T
<b>Lengths</b>	<b>6, 12, 18, 24m</b>	6, 12, 18, 24, 30m	6, 12, 18, 24m	22m	6, 12, 18, 24m	6, 12, 18, 24m
<b>Width</b>	<b>3m</b>	3m	3m	3m	3m	3m
<b>Deck Construction</b>	<b>Steel</b>	Steel	Steel	Steel	Concrete	Steel
<b>Deck Plate Thickness</b>	<b>8mm</b>	8mm	10mm	8mm	n/a	12mm
<b>Total Capacity</b>	<b>80T</b>	80T	80T	80T	80T	120T
<b>Axle Loadings</b>	<b>9T</b>	9T	18T	9T	25T	25T
<b>Colour</b>	<b>Yellow</b>	Yellow	Lego Blue	Red	n/a	Green
<b>Volume Daily Weighing's</b>	<b>&lt;=60 p.d.</b>	<=60 p.d.	<=120 p.d.	<=60 p.d.	No limit	No limit
<b>Indicator</b>	<b>DD700</b>	DD1015	DD1015	DD700 or DD950	DD1015	DD1015
<b>Load Cells</b>	<b>Sasco S16</b>	Sasco S16	CPD or S500	S24	CPD or S500	CPD
<b>System</b>	<b>Analogue</b>	Digitised	Digital	Analogue	Digital	Digital
<b>Software</b>	<b>SasPro</b>	ProWeigh	ProWeigh	ProWeigh	ProWeigh	ProWeigh
<b>Axle Weighing Functionality</b>	<b>No</b>	Yes	Yes	No	Yes	Yes
<b>Lightning &amp; Surge Protection</b>	<b>No</b>	Yes	Yes	No	Yes	Yes
<b>Installation</b>	<b>Pit or above ground</b>	Pit or above ground	Pit or above ground	Portable	Pit	Pit or above ground

In addition to these six single deck weighbridges Sasco has a range of Multideck Weighbridges and Weigh-in-Motion solutions.

# SAS-Bridge Product Overview

Our extensive range of weighbridge solutions caters to a vast spectrum of needs, but for those seeking a reliable, cost-effective, and simplified solution powered by a European manufactured indicator, look no further than the SAS-Bridge (WB-SB).

Elevate your weighing experience with the SAS-Bridge, a beacon of robustness, simplicity, and functionality designed for seamless integration and hassle-free maintenance.

Featuring 6m deck modules, the SAS-Bridge offers flexible configurations, enabling weighbridge lengths of 12m, 18m, and 24m with an impressive 80-ton weighing capacity. Wiring up the cutting-edge weighing technology is a breeze, and the included SasPro software is pre-configured to effortlessly interface with the DD700 weighing indicators.

Installing the SasPro software onto your PC is a straightforward process, thanks to the user-friendly design and the configuration settings between the indicator and software being pre-set.



The SAS-Bridge comes complete with civil drawings for comprehensive guidance, and an installation video, accessible on the Sasco website, ensures that the installation process is not only straightforward but also easily navigable.

Choose the SAS-Bridge for an unparalleled combination of durability, simplicity, and user friendly technology.

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## Sasco Indicators

The DD700 indicators is characterized by the following specifications:



<b>Country of Manufacture</b>	Europe
<b>Display</b>	240*64 Blue & White Graphic LCD
<b>Accuracy Class</b>	Class III or IIII
<b>Keyboard</b>	Membrane Alpha-Numeric Keys
<b>Clock</b>	Real Time Clock
<b>Communication Mode</b>	1xRS232, 1xRS232/RS422/RS485, USB host, USB device, Optional: Ethernet, WiFi, Profibus
<b>Transmission Distance</b>	15m (RS232), 1200m (RS422 and RS485)
<b>Baud Rate</b>	600, 1200, 2400, 4800, 9600, 19200, 38400, 57600, 115200
<b>Excitation Voltage</b>	5 VDC
<b>Number Load Cells</b>	12 x 350 Ohm Analogue Loadcells/ 24 x 700 Ohm Analogue Loadcells/ 12 x Digital Loadcells Bilanciai
<b>Protocols</b>	Two available option slots: Analogue, Profibus, Ethernet, WiFi card 4 inputs 4 outputs
<b>Printing Interface</b>	Standard RS232 interface supporting a range of serial dotmatrix and thermal printer such as STB60/80/112/2080, Epson TM295/LQ300+, DPT282, TM300, ITALORA: WITTY216/WITTY218/SMART830/Witty2000, Q3/Q3x, Neutral, Plus, Zebra, LP55
<b>Power Supply</b>	12 VDC (via external 110~240 VAC 50/60 Hz power supply)
<b>Operating Temperature</b>	-10~40 °C
<b>Relative Humidity</b>	<=85% @ 40 °C
<b>Approval</b>	OIML

# Sasco Load Cells

The Sasco S16 load cells are characterized by the following specifications:		
	Accuracy Class	C5 (OIML R60)
	Rated Capacity	20, 30, 40, 50 t
	Rated Sensitivity	500,000 ISN
	Update Rate	50 Hz
	Baud Rate	9600/19200 bps
	Transmission Distance	1200m
	Creep (30 minutes)	±0,01% F.S.
	Temperature Error	±0,01% / 10°C
	Total Error	±0,01% F.S.
	Safe Overload	150% F.S.
	Ultimate Overload	300% F.S.
	Operating Temperature	-30~70 °C
	Supply Voltage	7~15 VDC
	Housing Material	Stainless Steel
	Rating	IP 68
	Type	S16 - Analogue
	In built Lightning Protection	No
	Reverse Calibration	No
	Rodent Protection Cables	No
	Submersible	No
	Approval	OIML

## SasPro Software

SasPro software, pre-configured for seamless integration with the SAS-Bridge, represents a streamlined iteration of Sasco's acclaimed and widely embraced Sasco ProWeigh software.

Empowering users with a hassle-free experience, SasPro boasts a user-friendly interface complemented by a comprehensive self-installation and operational video, ensuring effortless setup.

Key features of SasPro include an array of output fields, providing essential information such as:

- Horse and trailer registration details
- Driver's name
- Date and time stamps
- Gross and net weights
- Document number
- Weighbridge site identification
- Customisable customer logos

The system requirements for SasPro are:

- CPU : Intel Core i5 (8th generation or newer)
  - RAM : 8GB or Higher
  - Storage: 500GB or more
  - Network: Ethernet and WiFi
  - Operating System: Windows 10 or 11
  - Printer: A4 printer
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## Civil Drawings Provided

Upon acquiring SAS-Bridge, purchasers receive a comprehensive set of civil drawings as part of the package. To facilitate the provision of the right drawings, customers are requested to specify their installation preference for the weighbridge deck: above ground or in-ground.

This specification is crucial as it dictates the inclusion of specific civil drawings tailored to the chosen installation method.

## Application Example

**Company A** located in Ndola, Zambia, operates a quarry and is in need of a durable weighbridge solution. The primary objective is to accurately determine the total weight of trucks departing from the quarry and to generate a corresponding weighing ticket.

Due to the susceptibility to flooding during the rainy season, it is imperative that the weighbridge can be installed above ground. **Company A** has enlisted the services of a local civil contractor for the necessary civil works and a local engineering company for the installation process. The local weights and measures department will handle the verification process, utilizing their own weights.

The preferred solution for **Company A** is the SAS-Bridge, which offers the advantage of above-ground installation. This solution includes comprehensive civil drawings, an installation video, and pre-configured software that seamlessly integrates with the indicator upon connection. Additionally, the DD700 stands out for its user-friendly interface, making it accessible even for non-specialist scale companies.

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# Technical Specifications

WEIGHING HARDWARE	DETAILS
Total Capacity (24m deck)	80T
Axle Loading	9T
Total Accuracy	+99.95%
Recommended Weighing p.d.	<60
Installation	Above or inground
Deck Height	221mm
Deck Width	3m
Deck Length	6m, 12m, 18m or 24m
Plate Thickness	8mm
Module Sizes	6m
Deck Warranty	5 years
Indicator	DD700
Software	SasPro Pre-Configured
Load Cells	S16
Number	10 on 24m
Type	Analogue
Load Cell IP Rating	IP 68
Housing Material	Stainless Steel
Instrumentation Warranty	1 year
OIML Approval	Yes
South Africa Trade Approval	Approved
SADC Trade Approval	Yes
EAC Trade Approval	Yes

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## LOCAL SUPPORT AGENT

