

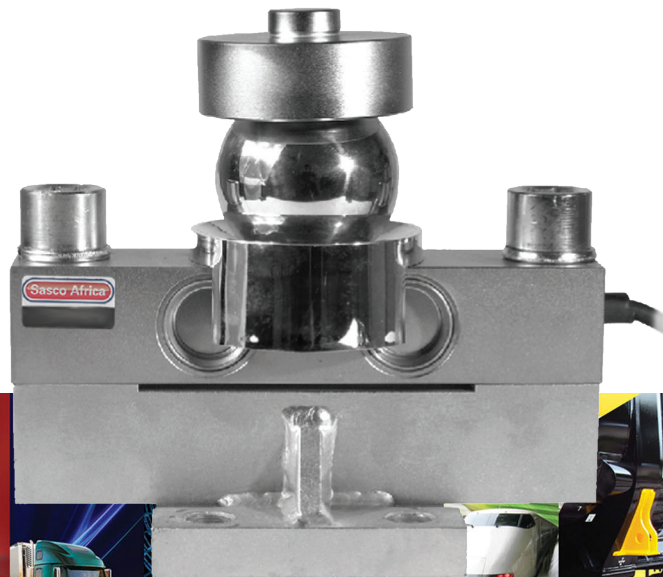


Accurately Weighing Africa



# S500

Dual Shear Beam Loadcell



Sasco is a dynamic weighing solutions focused company which procures and supports a leading range of globally sourced industrial weighing technologies. Sasco has the highest metrological ranking of any Southern and Central African company, and as a result of our experience gained through 100 years of operation, we are uniquely positioned to specify and supply optimal weighing equipment, automation and weighing information data solutions to Southern and Central Africa's leading industrial companies. Sasco reputation has been built on innovation and choice underpinned by professionalism, modernity and experience.

## GENERAL

Sasco's Tier I Technology comprises the Bilanciai range of instrumentation which, is recognised as the leader in terms of accuracy, reliability and functionality. Sasco's Tier II technologies include the S-Series range of load cells such as the S500. The S500 is a dual shear beam load cell suitable for a wide range of applications, the most common being in platforms and weigh bridges.

## CONSTRUCTION

Alloy steel construction, nickel plated and hermetic welded.

## APPROVALS

OIML Certificate No: R60/2000-CNI-06.06  
SA 1430 AA 41

## SPECIFICATIONS

Calibrated temperature range:  
-10 C to + 40 C  
IP68

## CAPACITIES

10,000 kg to 50,000 kg

## EXAMPLE

Road weighbridges  
Rail weighbridges  
Tank weighing  
Process weighing  
Tank and tower weighing

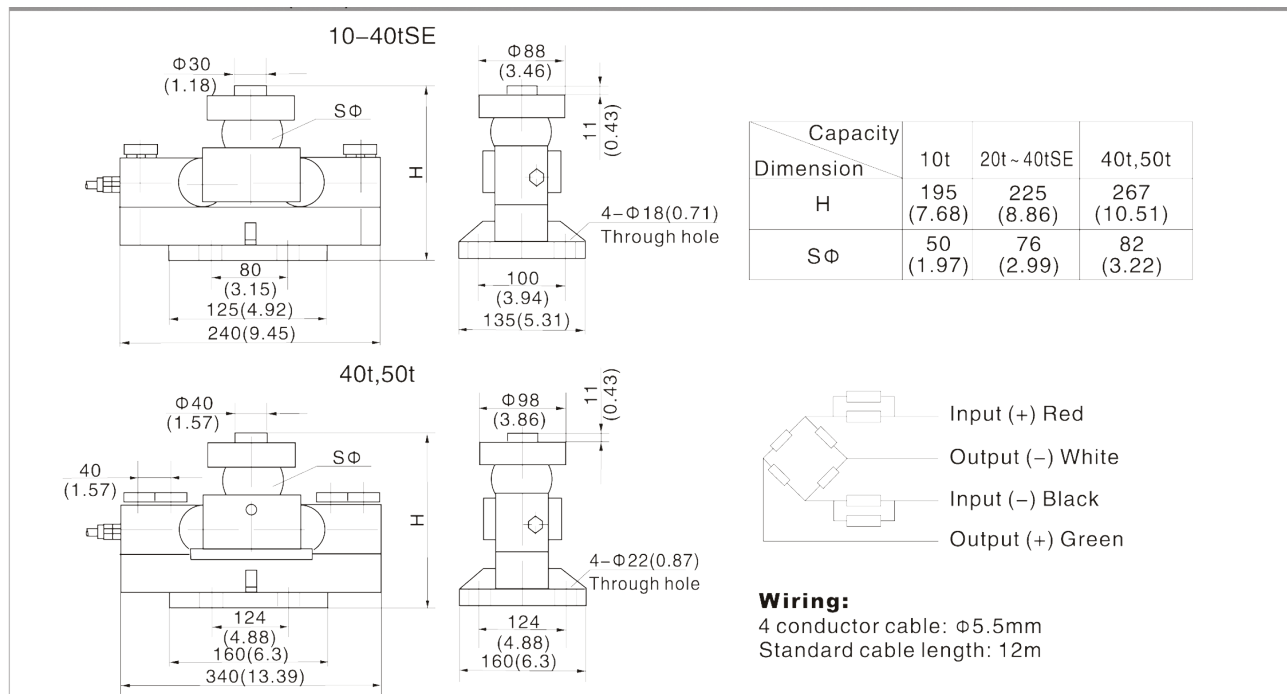
## SPECIAL FEATURES

- Simple to install
- Reliable performance
- High accuracy
- Oil proof, waterproof, anti-corrosive gas and medium; suitable for all kinds of environments

## SPECIFICATIONS

Capacity	t	10/20/25/30/40/40tSE/50
Accuracy		C3
Approvals		OIML R60 C3
Maximum number of verification intervals	n <sub>max</sub>	3000
Minimum load cell verification interval	V <sub>min</sub>	max/10000
Combined error	(%FS)	≤ ±0.020
Creep	(%FS/30min)	≤ ±0.016
Temperature effect on sensitivity	(%FS/10°C)	≤ ±0.011
Temperature effect on zero	(%FS/10°C)	≤ ±0.015
Output sensitivity	(mv/v)	2.4±0.002
Input resistance	(Ω)	775±5
Output resistance	(Ω)	700±7
Insulation resistance	(MΩ)	≥5000(50VDC)
Zero balance	(%FS)	1.5
Temperature, compensated	(°C)	-10~+40
Temperature, operating	(°C)	-35~+65
Excitation, recommended	(V)	5~12(DC)
Excitation, max	(V)	18(DC)
Safe overload	(%FS)	150
Ultimate overload	(%FS)	300

## DIMENSIONS



## SMART SUPPORT

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