

# MBS 20 T load cell

High capacity compression load cell unit

**MBS 20t** load cells are stainless weigh modules. **MBS20** is designed for compression loads of 20.000 kg rated loads.

## Construction of a MBS weigh module.

The module consists of a M-series loadcell with mounted spherical adapter plates to form a compact assembly which permits angular movability at both upper and lower ends.

The end top plates allow free motion in any direction in the horizontal plane between the load carrier and the load cell.

The load cell is delivered with a highly resistable cable conduit conforming to the industrial production requirements for cables.

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## Capacities

Model:	MBS20
	20.000 kg

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## MBS load cells:

- Heavy duty industrial design
- For Silo, Vessel, and Container weighing
- ready-to-use
- Stainless steel
- Sealed to IP 67

## All S-E-G load cells are:

- Made in Sweden
- High Quality and have a long life span
- With a 5 year warranty

## Technical data and accessories

Specifications	Value	Units
Rated capacities	20.000	kg
Rated output	1,0 +/- 0,1%	mV/V
Combined error	0,03	+/- % of applied load
Zero balance	1,0	+/- % of rated output
Non-repeatability	0,01	+/- % of rated output
Creep (30 min.)	0,03	+/- % of applied load
Temperature effect on Zero balance	0,005	+/- % of applied load / °C
Temperatture effect on Span	0,004	+/- % of applied load / °C
Compensated temperature range	-10 to +40	°C
Operating temperature range	-20 to+70	°C
Safe Overload	160	% of rated capacity
Ultimate overload	500	% of rated capacity
Input resistance	430 +/- 10	Ohms
Output resistance	430 +/- 0,4	Ohms
Excitation, recommended	15	Volt
Excitation, maximum	21	Volt
Insulation Resistance	>20.000	MegaOhms at 500V
Environmental protection	IP67	
Weight	14,5	Kg
Cable	7 m 4 wire, PVC, Copper Screen (not connected to Load cell body)	

### Designation

MBS20	20.000	kg
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## Dimensions

All dimensions in mm +/- 0,5

