

Measuring Roll on both sides, MWB

Complete measuring roll with
integrated measuring sensors

Minimum of wiring, simple installation

Nominal force range from
200 up to 3000 N



Image similar

Made in
Germany

MEASURING ROLL

The measuring roll **MWB** is designed for measuring web tension forces, e.g. in moving webs of paper, textile, plastics, metal without additional force sensors.

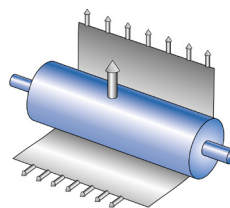
The compact design enables quick and cost effective integration into OEM machines or retrofitting into existing equipment.

The measuring roller **MWB** has a continuous shaft, and can be supplied with either one or two web tension sensors. Mechanical stops provide overload protection of the sensors.

The ball bearings with a fixed and a floating bearing are maintenance-free. Tapped holes at both ends of the shaft offers optimal mounting to machine frames.

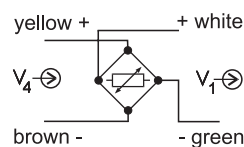
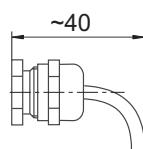
The shaft length is specified by the customer. The **HAEHNE** program offers optimal amplifiers to process the sensor signals and supply the analog and digital values for all common fieldbus variants.

INSTALLATION INSTRUCTION



STANDARD CONNECTION

Cable connection T



ORDERING EXAMPLE

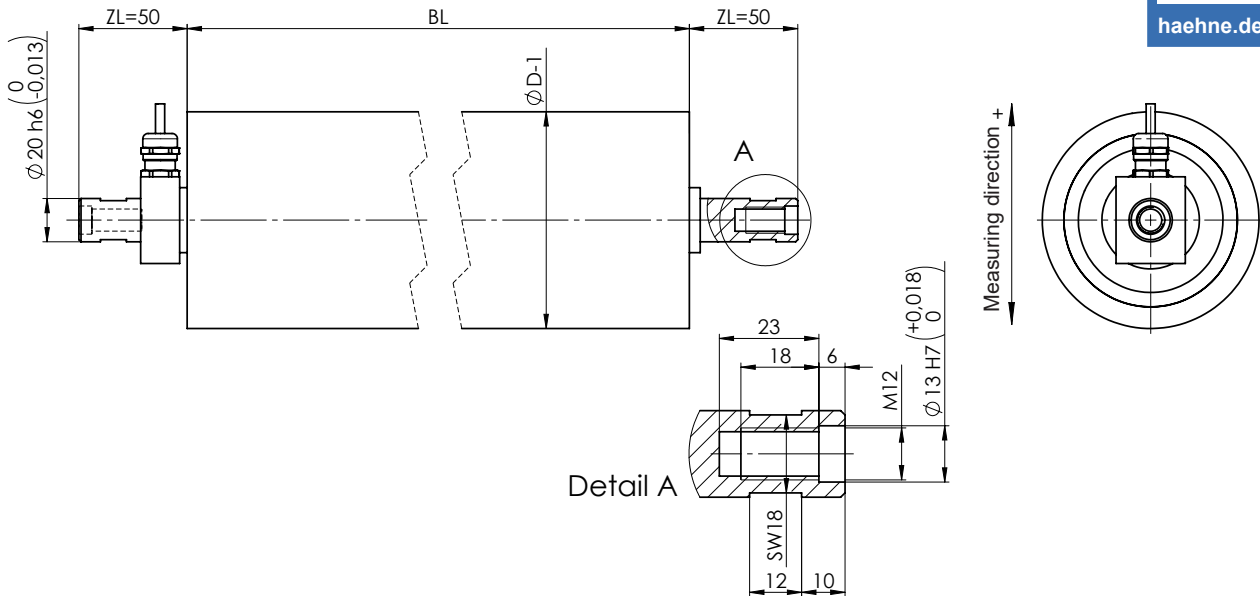
	MWB 100-1000-100-T 01
Type	MWB
Roll diameter \varnothing	100
Roll length	1000
Nominal force	100
Connection variant/options	T
Material and surface	01

SCOPE OF DELIVERY

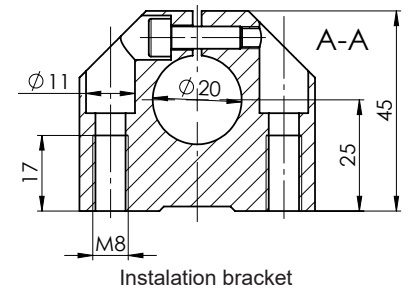
Measuring roller, aluminum, belt-ground with cable connection T and 5 m fixed cable

ADDITIONALLY AVAILABLE

- Installation bracket



Nominal forces [N]	øD [mm]	BL [mm]
200/400/750 1500/3000	80	400-3000
	100	
	120	
	160	
	200	



Technical Data	Values (%) based on nominal force
Nominal force (N)	200; 400; 750; 1500; 3000
Max. operating force	160%
Absolute max. force	300%
Max. lateral force	100%
Nominal rating	1,5 mV/V
Combined error	0,5%
Nominal ambient temperature	+10...+60 °C
Operational temperature range	0...+70 °C
Bridge supply voltage	10 VDC
Enclosure protection	IP 50
Material of roll shaft	Steel
Roller shell material and surface	Standard: aluminum belt-ground Rz8µm O1: anodized O2: non-stick coated O3: chrome-plated O4: ceramic coated O5: polyurethane-coated O6: rubberized O7: stainless steel

