

MKB Software Version 2.0

The Software MKB 2.0 for calculation of web tension measurement in running material webs, wires, cables, etc.

MKB Version 2.0 offers besides the well known features new additional functions that simplifies the calculation and selection of your appropriate sensors.

Suitable for: Windows 2000, XP, Vista, 7

Attention!

The use of this program MKB and the selection of sensors from the HAEHNE product program is at the user's own risk. In order to minimize the risks the user is requested to fill out the specification form and send it to the HAEHNE Company for review and confirmation.

Bearing support
1 or 2 sided

Angle input with 2 digits
after decimal point possible

Measuring direction freely
selectable, except for pillow
blocks

Mounting position of pillow
blocks choosable

Gain calculation possible

Gain calculator	
Nominal rating of sensor	1.5mV/V
Nominal force of sensor	100N
Differential sensor signal under web tension	10.61mV
Requested output	10V
Gain	942.81

Choose your parameters
and the output signal will
be calculated

Web Tension Measurement Software MKB2

Input force:
Web/Strip tension: 100N
Roll weight: 100kg
Roll weight unit: ☒ kg ☐ lb ☐ N

Bearing:
☐ Single sided bearing support
☒ Double sided bearing support

Input angle:
Angle 1: 0°
Angle 2: -136°

Measuring direction:
☒ Resultant force direction
☐ Individual angle input

Measurement direction: 0°

Pillow block mounting position:
☐ None ☒ Bottom ☐ Left ☐ Top ☐ Right

Results per sensor:
Total force: 14.03N
Web tension portion: 14.03N
Roll weight portion: 0N

Speech / Language:
☒ ☐ ☐ ☐ ☐

Angle description be displayed

Comfortable handling through the mouse

Export and saving function

Several languages

Recommendation for product selection

Choose the product, that will fit to your application and the required forces

BZA
User-friendly aluminium sensor for a broad range of applications

Technical data	
Nominal force (Measurement range F _{nom})	100 - 5,000N
Shaft diameter	15 - 60mm
Max. operating force based on F _{nom}	160%
Absolute max. force based on F _{nom}	700 - 1,000%
Combined error	0.5%

KAT
Rugged and space-saving tension force sensor made of stainless steel for a large variety of requirements

Technical data	
Nominal force (Measurement range F _{nom})	25 - 630N
Absolute max. force based on F _{nom}	600%
Material	Stainless steel
Combined error	0.5%
Protection class	IP52

ZAK
Sturdy tension force sensor made of stainless steel for a large variety of requirements

Technical data	
Nominal force (Measurement range F _{nom})	100 - 5,000N

Buttons: [Show pdf data sheet](#), [Select sensor](#), [Continue to specification form](#)

Look at the data sheet

Choose your preferred sensor for your final specification

Send a request without choosing a product

Specify your requirements for your inquiry

Additional mechanical specification (optional)

Short diameter:
 Roll diameter:
 Specified pillow block bearing:

Sensor ambient conditions

Higher temperature: ☒ No ☐ Yes °C
 Aggressive media: ☒ No ☐ Yes
 Higher protection class: ☒ No ☐ Yes
 Distance sensor - amplifier > 20m: ☒ No ☐ Yes m
 Sensor environment: ☒ Dry ☐ Wet
 Explosion proof (ATEX): ☒ No ☐ Yes
 Amplifier environment: ☐ Electronic cabinet ☐ Field mounting

Measuring amplifier

Strain gauge amplifier signal output: ☐ -10...0...+10V ☒ 4...20mA
 Controller requested: ☒ No ☐ Yes
 Fieldbus interface: ☐ Profibus ☐ Ethernet IP ☐ DeviceNet ☐ CC-Link ☒ No fieldbus interface
☐ Profinet IO ☐ EtherCAT ☐ CANopen ☐ Other fieldbus interface

Remarks:

We request ☐ Consulting ☐ Catalogue ☐ Quotation Number of pieces:

Company: Name:
 Street: Telephone:
 Postal code: Email:
 City: Date:

Buttons: [Print](#), [Save pdf](#), [Send email](#)

Is there more information about the mounting situation?

Which output signal do you need?

We are happy to contact you personally, if you give us your contact information

Save or print your inquiry for your documentation

Send an email request to us