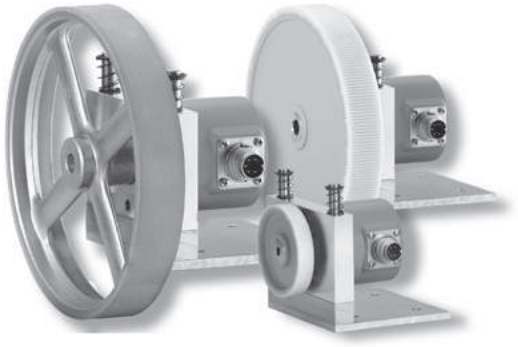
Length measuring kits | Length measuring kit with encoder | incl. measuring wheel



The (metric) measuring kit is a complete solution for the quick and simple implementation of length measurements on products in movement.

Flexible

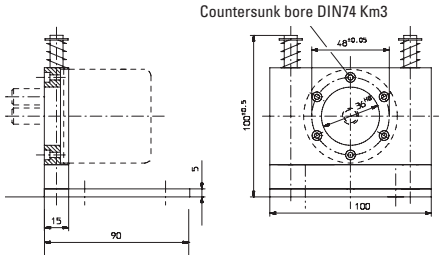
- Various measuring wheels for various applications:
  - Hytrel for the textile industry
  - Vulkollan for the wood, paper, metal and plastics industry
- Resolution 1 mm

Easy operation

- The encoder support ensures an optimal load on the encoder shaft.
- No additional power supply is required for the encoder, since it can be powered directly by the preset counter.

Single components

Flexible holding device for encoders



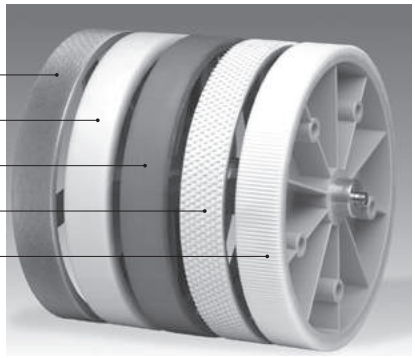
Guide rods stainless steel
Flange Al

8.0010.7000.0004

Spring encoder arm (s. page 286)		**8.0000.7000.010**
Measuring wheels (s. page 285)	0.2 m measuring wheel, plastic (Hytrel) corrugated	**8.0000.3291.0010**
	0.5 m measuring wheel, plastic (Vulkollan) smooth	**8.0000.3552.0010**
	0.5 m measuring wheel, plastic (Hytrel) corrugated	**8.0000.3592.0010**
Encoder	type 5000 for 0.2 m measuring wheel, 1 mm resolution	**8.5000.8354.0200**
	type 5000 for 0.5 m measuring wheel, 1 mm resolution	**8.5000.8354.0500**
Standard cordset	with 2 m PVC cable, M12	**05.WAKS8-2/P00**
Preset counter	716 LED preset counter, 90 - 260 V AC, 1 preset	**6.716.010.000**

Accessories

Measuring wheels



Measuring wheels are utilized in combination with encoders to measure material in the wood, paper, metal, textile and plastic industry.

When selecting a measuring wheel, the first consideration is the type of material to be measured as this serves as the basis for determining the surface finish or coating of the measuring wheel.

Various diameters, designed for use with Kübler encoders, available for metric and imperial systems.

Selection of the measuring wheel profile according to the surface of the measured material

Surface of the measured material	**Recommended profile no.**
Cardboard	**1, 2, 3, 6**
Wood	**1, 2, 3, 6**
Textile	**1, 4, 5**
Plastic (e.g. PVC, PE, ...)	**2, 3, 6**
Paper	**2, 3, 6**
Wire	**3, 6**
Bare metals	**4**
Varnished surfaces	**4**

Please note:

If a measuring wheel is mounted directly on the shaft of a rotary encoder, the pressure force between the measuring wheel and measured material should not exceed the radial shaft load listed in the data sheet of the encoder.

In addition, the measuring wheels can only be used for in-house purposes which are not subject to the stipulations of the German calibration code.

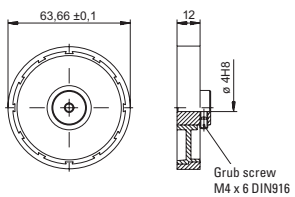
Order code Measuring wheels

8.0000	.	3	XXX (a)	.	00	XX (b)

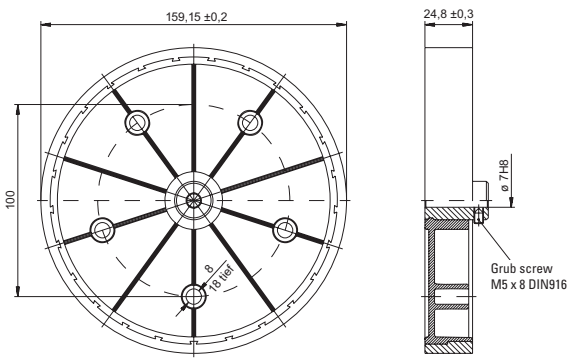
Measuring wheel Circumference / ø / width	Profile measuring wheels (s. o.)	Coating	Coating hardness A	*Wheel No.* (a)	Material of wheel body [mm]	Working temperature [°C]	Weight [g]	*Standard-bore* (b) *[mm]* [1]
0,2 m / ø 63,7 mm / 12 mm	**1**	diamond knurl		**211**	aluminium	–	40	**04, 06, 10**
	2	plastic (Hytrel) smooth	85 ... 90	**241**	plastic	-10 ... +50	35	**04, 06, 10**
	4	tufted rubber		**261**	aluminium	-10 ... +50	40	**06, 10**
	5	plastic (Hytrel) corrugated	85 ... 90	**291**	plastic	-10 ... +70	35	**04, 06, 10**
0,5 m / ø 159,2 mm / 25 mm	**1**	diamond knurl		**512**	aluminium	–	350	**10**
	2	plastic (Hytrel) smooth	85 ... 90	**542**	plastic	-10 ... +50	260	**10**
	3	plastic (Vulkollan) smooth	85 ... 90	**552**	aluminium	-30 ... +80	320	**10**
	4	tufted rubber		**562**	aluminium	-30 ... +80	320	**10, 12**
	5	plastic (Hytrel) corrugated	85 ... 90	**592**	plastic	-30 ... +80	260	**06, 10**
12" / ø 3,82" / 0,38"	**6**	Natural rubber (NR) (smooth)	70 ... 75	**751**	aluminium	-30 ... +80	100	**10**

Dimensions

Measuring wheels No. 2XX



Measuring wheels No. 5XX



1) Other bore diameters on request

Accessories — Spring encoder arm



Robust and reliable

- Max. 40 N, adjustable spring pressure available in any position

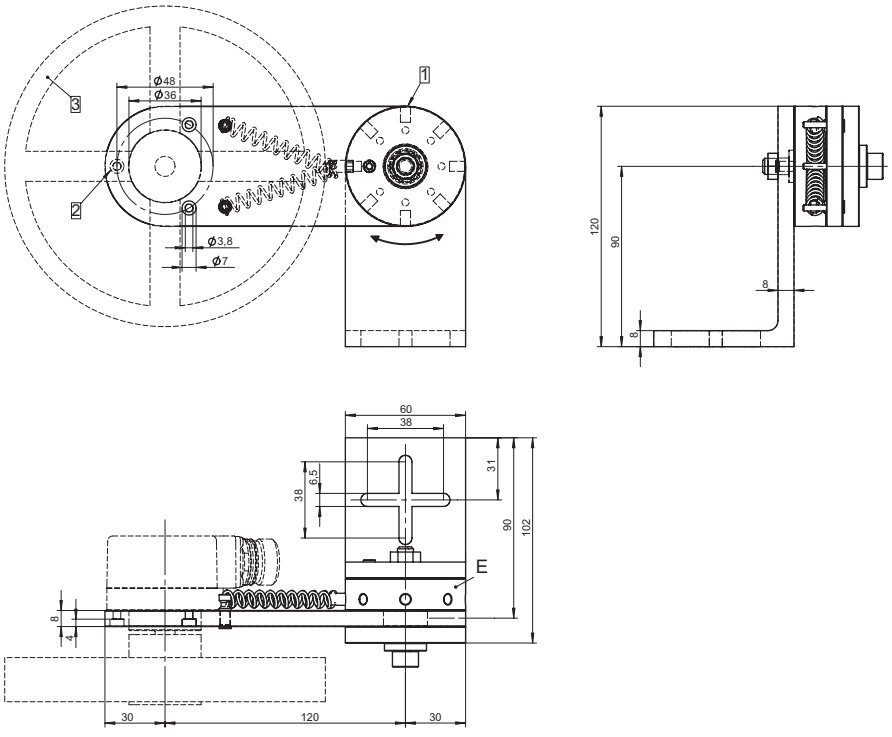
  Pressure for each notch appr. 20 N
  (first notch between 0 and appr. 20 N)
- Wide temperature range -40°C ... 120°C

Versatile

- Can be installed in any mounting position 9 setting positions in 40° steps
- Base plate – variable in 4 directions

Order No. 8.0010.7000.0010

Dimension



1 Setting with a size 0 or 1 screwdriver

2 3 pcs. screws M3 x 8 DIN 912 included

3 Measuring wheel