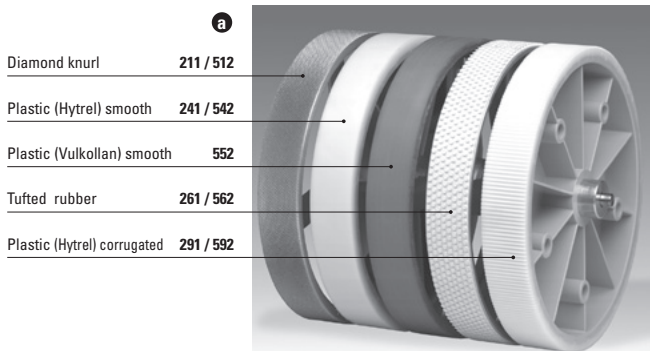


Linear Measuring Technology

Accessories Measuring wheels



- a**
Diamond knurl 211 / 512
- Plastic (Hytel) smooth 241 / 542
- Plastic (Vulkollan) smooth 552
- Tufted rubber 261 / 562
- Plastic (Hytel) corrugated 291 / 592

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.

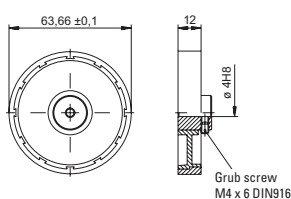
Order code Measuring wheels

8.0000 . 3 XXX . 00 XX
a b

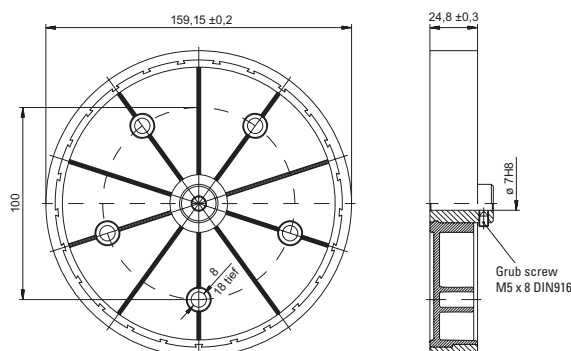
Measuring wheel Circumference / ϕ / width	Profile measuring wheels (s. o.)	Coating	Coating hardness A	Wheel No. a	Material of wheel body [mm]	Working temperature [°C]	Weight [g]	Standard-bore b [mm] ¹⁾
0,2 m / ϕ 63,7 mm / 12 mm	1	diamond knurl		211	aluminium	–	40	04, 06, 10
	2	plastic (Hytel) smooth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