

### Overview

- Circumference 20 cm
- Surface profile: Grooved
- Surface material: Hytrel TPE-E
- Bore  $\varnothing$ 4 mm



### Technical data

#### Technical data

|                                     |  |
|-------------------------------------|--|
| Outer diameter                      | 63.66 $\pm$ 0.1 mm   |
| Operating temperature               | -10...+70 °C   |
| Surface material                    | Hytrel TPE-E   |
| Wheel material                      | Plastic  |
| Surface profile                     | Knurled  |
| Suitable measuring material surface | Wood<br>Plastic<br>Painted material<br>Metal<br>Paper<br>Cardboard<br>Textiles |

#### Technical data

|                           |                    |
|---------------------------|--------------------|
| Circumference             | 20 cm              |
| Bore                      | $\varnothing$ 4 mm |
| Fastening torque/pin      | 1.5 Nm             |
| Surface hardness, approx. | 90° Shore A        |

### Description

When selecting a measuring wheel the kind of material to be measured has to be taken into consideration prior to any decision on wheel surface respectively cover lining. The wheel circumference depends on the space available as well as on the size of counter or encoder.

The smaller the measuring wheel, the more force required at the wheel circumference and consequently the higher the risk of slippage and incorrect measuring results. Also the width of the measuring wheel has an impact on the result.

### Measuring accuracy

Precise measuring results of a meter counter with measuring wheel depend on:

- Kind of measured material
- Contact angle
- Torque of counter or encoder
- Feeding speed
- Strain of measured material
- Surface roughness
- Contact pressure of material against measuring wheel
- Elasticity of measured material
- Diametrical tolerance of the measuring wheel

**Dimensions**

