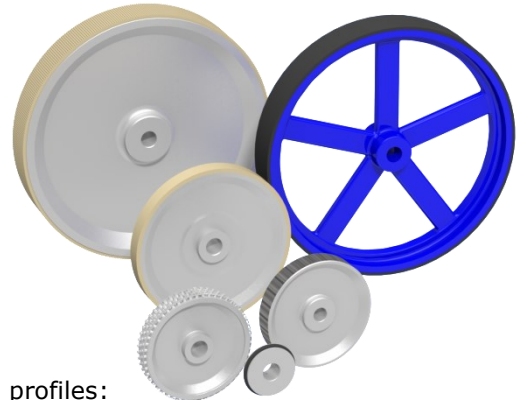


Datasheet

Features at a glance

- Very good concentricity
- High measuring accuracy
- Reduced mass through optimized design
- Optimal wear values under mechanically high loads
- High resistance to oils, fuels, ozone, and weather influences



Our recommendation on how to select the correct measuring wheel profiles:

When selecting a measuring wheel, the type of goods to be measured must first be considered, to then determine the surface or coating of the measuring wheel. The size of the measuring wheel depends on the available space and the size of the counter.

The smaller the measuring wheel, the more force must be applied to the circumference of the measuring wheel, and the greater the risk that slippage will occur, and the measurement result will be falsified. The width of the measuring wheel also influences the measurement result.

Running surface	smooth [G]	corrugated [RI]	studded [N]	knurled [R]	O-Ring [OR]
Carton / cardboard	X	X	X	X	
Wood material	X	X	X	X	
Plastic (PE, PVC and many more)	X	X	X	X	
Textile	X	X	X		
Paper	X	X	X		X
Metal, greasy parts, steel	X				
Leather	X				
Carpet, fleece			X		
Hose, cable			X		
Glass, plastic flooring		X			
Painted surfaces	X	X			
Rubber, foam, soft plastic				X	

Material of running surface	Aluminium [AL]	Polyurethane [PUR]	Hytrel [TPE]	Nitril [NBR]
permissible operating temperature	-30 °C ... +180 °C		-10 °C ... +70 °C	-10 °C ... +50 °C

Mechanical data

Circumference	Precision [mm]	Corpus	Running surface Moment of inertia					Weight [g]
			[G]	[RI]	[N]	[R]	[OR]	
100 mm		AL					X	~ 20
200 mm	±0,2	AL	3x10 ³	3x10 ³	3x10 ³	3x10 ³		~ 60
		K	X	X				~ 35
12 Inch		AL	X			X		~ 115
500 mm	±1	AL	15,3x10 ³	15,2x10 ³	15,5x10 ³	17,1x10 ³		~ 500
		AL/SP*	X		X	X		~ 250
		K	X	X				~ 250

* Measuring wheel version with spokes on request

Datasheet

Material hardness (Shore-hardness)

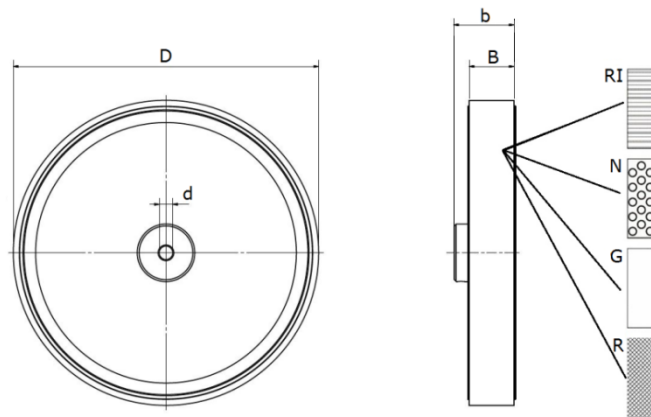
Series MR500 (Circumference ≥ 500 mm)

Running surface	knurled [R]	smooth [G]	smooth [G]	studded [N]	corrugated [RI]
Material of running surface	AL	TPE	PUR	NBR	TPE
Hardness of running surface approx.	--	90 Shore A	94 Shore A	55 \pm 5 Shore A	90 Shore A

Series MR200 (Circumference ≥ 200 mm)

Running surface	knurled [R]	smooth [G]	smooth [G]	studded [N]	corrugated [RI]
Material of running surface	AL	TPE	PUR	NBR	TPE
Hardness of running surface approx.	--	90 Shore A	--	55 \pm 5 Shore A	90 Shore A

Dimensions



i Notice

exact dimensions of the desired variant on request

Circumference	\varnothing [D] [mm]	Width [B] [mm]	Width [b] [mm]	Corpus	Material of running surface ²⁾					Bore- \varnothing [d] [mm, H7]
					[G]	[RI]	[N]	[R]	[OR]	
100 mm	31,83	3,5	12	AL					X	4; 6;
200 mm	63,66	12	17	AL	PUR	PUR	PUR	AL		4; 5; 6; 7; 8; 10
			17,5	K	TPE	TPE				4; 5; 6; 7; 10
12 Inch	97,02	10	19	AL	PUR			AL		4; 7; 9; 10
500 mm	159,15	25	32	AL	PUR	PUR	PUR	AL		6; 7; 8; 10; 12
			33	AL/SP ¹⁾	PUR		NBR	AL		7; 10
		24,8	K	TPE	TPE					6; 7; 10; 12

1) Measuring wheel version with spokes on request

2) Measuring wheels with other tread materials are also possible on request

Datasheet

Ordering example

Type **MR** - **12** - **AL** - **07** - **G**

Circumference

100 = 100 mm
 200 = 200 mm
12 = 304,8 mm (12 Inch)
 500 = 500 mm

Material of corpus

AL = Aluminium
 K = Plastic

Bore diameter d [mm]

4, 5, 6, **7**, 8, 10,12

Profile of running surface

G = smooth
 RI = corrugated
 N = studded
 R = knurled
 OR = O-Ring