Serie Measuring wheel

Applications:

- 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 our encoders, available for metric and imperial systems.

Surface of the measured material:

Surface of the measured material:	Recommended profile no.
Plastic e.g. PVC, PE, ...)	4, 5
Paper	4, 5
Cardboard	1, 4, 5
Wood	1, 4, 5
Textile	6, 9, 1
Bare metals	6
Varnished surfaces	6
Wire	5

Surface of the measured material:

Measuring wheel	Profile	Coating	Coating Hard-ness	Standard-bore [mm][1)]	Measuring width [mm]	Material wheel body	Weight [g]	Wheel No.
0,2m	1	diamond knurl		6	12	aluminum	40	211
Ø63,7mm	4	plastic (Hytrel), smooth	85 … 90	4/6/10	12	plastic	35	241
	9	plastic (Hytrel), corrugated	85 … 90	4/6/10	12	plastic	35	291
0,5m	1	diamond knurl		10	25	aluminum	350	512
Ø159,2mm	4	plastic (Hytrel), smooth	85 … 90	7/10	25	plastic	260	542
	5	plastic (Vulkollan), smooth	85 … 90	10	25	aluminum	320	552
	6	tufted rubber		10	25	aluminum	320	562
	9	plastic (Hytrel), corrugated	85 … 90	7/10	25	plastic	260	592

Measuring wheels for English system of units:

Measuring wheel	Profile	Coating	Coating Hard-ness	Standard-bore [mm][1)]	Measuring width [mm]	Material wheel body	Weight [g]	Wheel No.
1 foot (=12“)	1	diamond knurl	75 … 75	6	9,7	aluminium	100	751

[1)] other bore diameters on request

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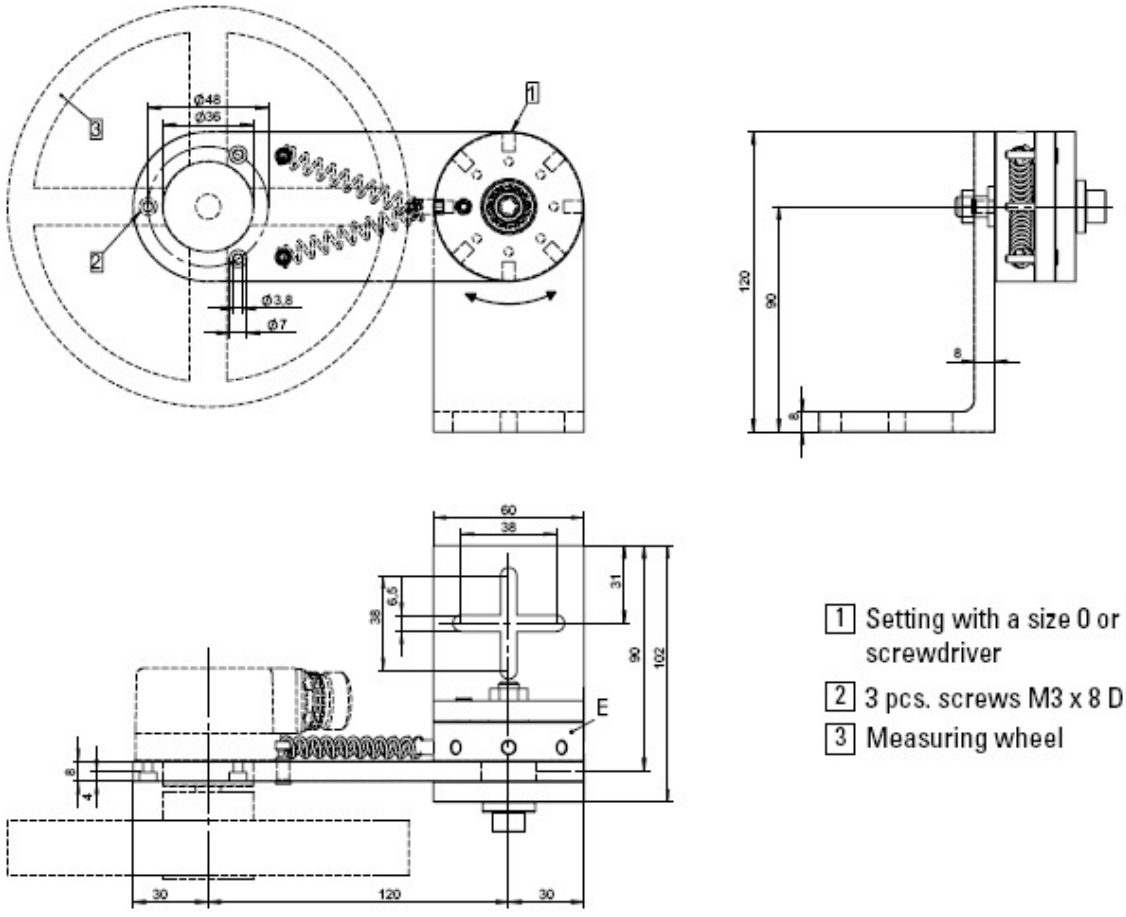
Please note:

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.

Dimensions spring encoder arm:



1 Setting with a size 0 or 1 screwdriver
2 3 pcs. screws M3 x 8 DIN 912 included
3 Measuring wheel

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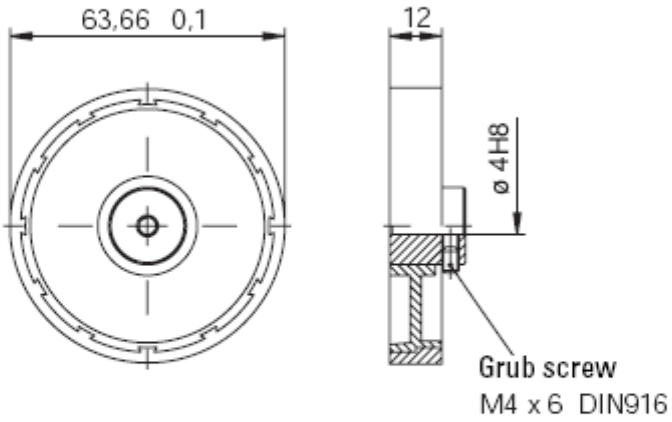
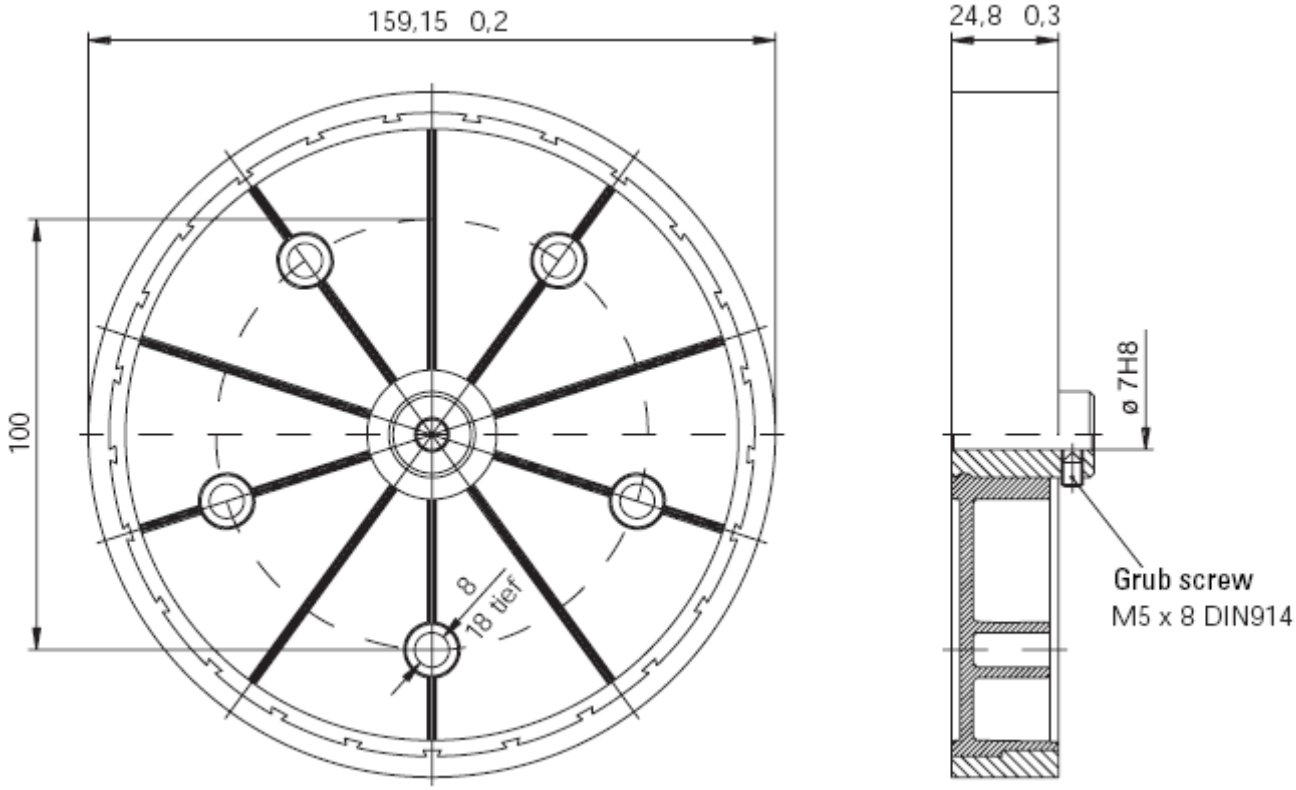
Dimensions measuring wheels:





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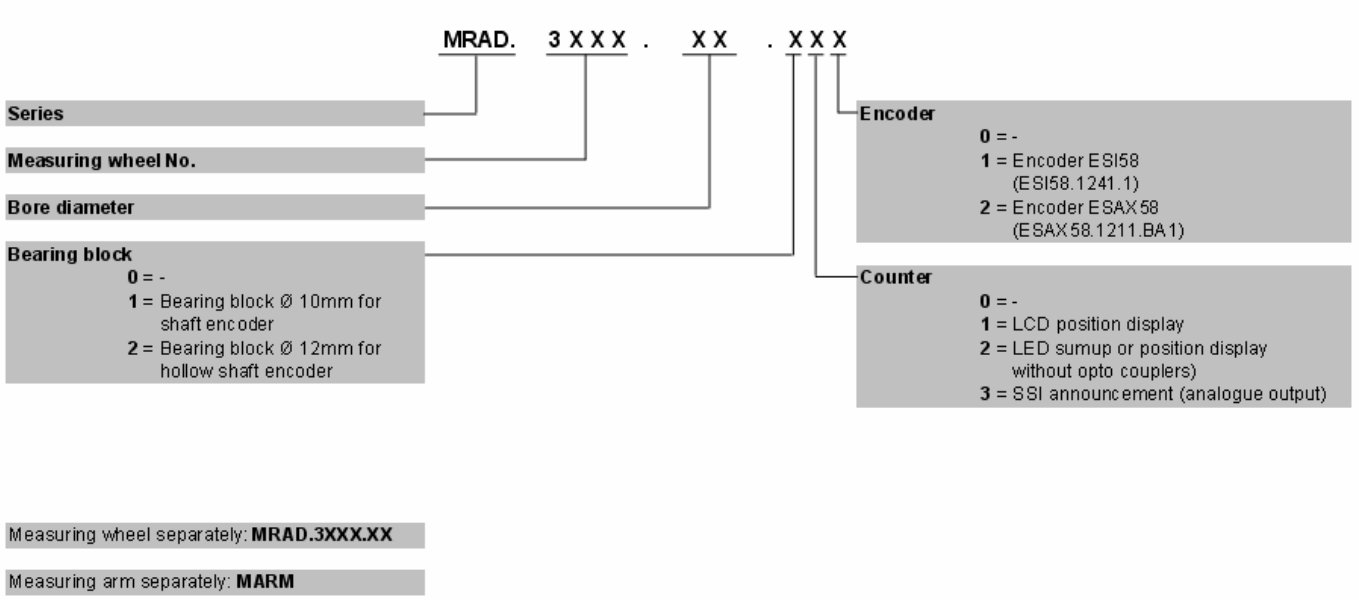
Order code:



Measuring wheel separately: **MRAD.3XXX.XX**

Measuring arm separately: **MARM**