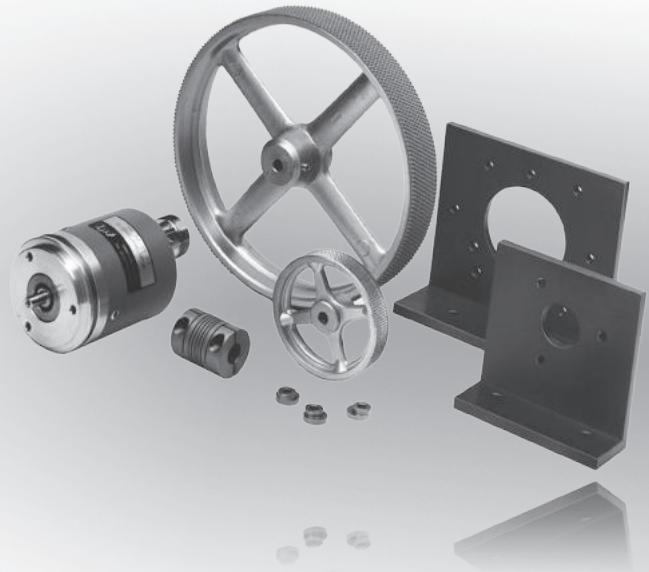
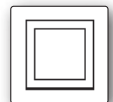


measuring wheels  
angle brackets  
clamping claws  
couplings  
spring-loaded bases  
cable sockets

- ✓ suitable for encoders with 6mm shaft
- ✓ also operation in rough conditions
- ✓ angle brackets for mounting the encoders with screws or clamping claws
- ✓ measuring wheels with 200 or 500mm circumference
- ✓ measuring wheels with a choice of materials for the measuring surface offering optimal adaption to the prevailing conditions
- ✓ spring-loaded base for accurate linear measurements



**accessories  
encoder**



#### description

Concerning the selection of the measuring wheel, first the type of the object to be measured has to be taken into account in order to then determine the surface and/or the covering of the measuring wheel.

The circumference of the measuring wheel is based on the available space and the size of the counter or encoder.

The smaller the measuring wheel is, the more power has to be applied on the circumference of the measuring wheel and as

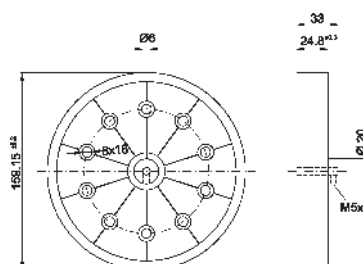
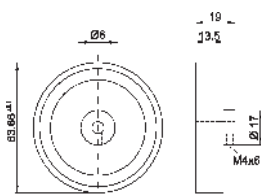
such, the risk is greater that a slip will occur and through this, the measured result will turn out to be incorrect.

The width of the measuring wheel also influences the measuring result.

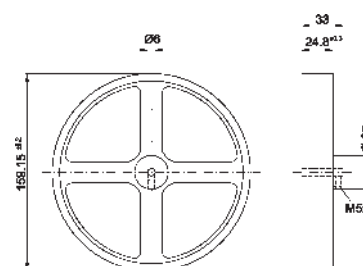
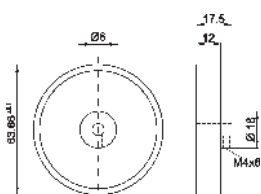
#### application example

- ▶ linear measurements, angle measurements

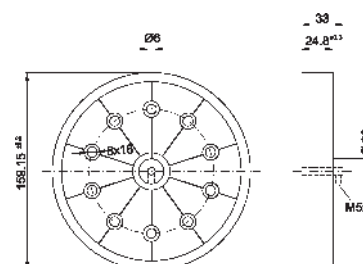
|                       |                         |                     |
|-----------------------|-------------------------|---------------------|
| article-no.           | AV000058                | AV000036            |
| circumference         | 200mm                   | 500mm               |
| external diameter     | 64mm                    | 159mm               |
| coating profile       | rubber with naps        | smooth              |
| coating material      | nitrile                 | hytel               |
| wheel material        | aluminum                | plastic             |
| coating hardness      | approx. 55° ±5° shore a | approx. 90° shore a |
| operating temperature | -10 ... +50°C           | -10 ... +70°C       |
| torque range/setscrew | 1.5Nm                   | 3.0 Nm              |



|                       |                     |                         |
|-----------------------|---------------------|-------------------------|
| article-no.           | AV000034            | AV000037                |
| circumference         | 200mm               | 500mm                   |
| external diameter     | 63.66 mm            | 159mm                   |
| coating profile       | ribbed              | rubber with naps        |
| coating material      | hytel               | nitrile                 |
| wheel material        | plastic             | aluminum                |
| coating hardness      | approx. 90° shore a | approx. 55° ±5° shore a |
| operating temperature | -10 ... +70°C       | -10 ... +50°C           |
| torque range/setscrew | 1.5Nm               | 3.0Nm                   |



|                       |   |                     |
|-----------------------|---|---------------------|
| article-no.           | - | AV000043            |
| circumference         | - | 500mm               |
| external diameter     | - | 159mm               |
| coating profile       | - | ribbed              |
| coating material      | - | hytel               |
| wheel material        | - | plastic             |
| coating hardness      | - | approx. 90° shore a |
| operating temperature | - | -10 ... +70°C       |
| torque range/setscrew | - | 3.0Nm               |



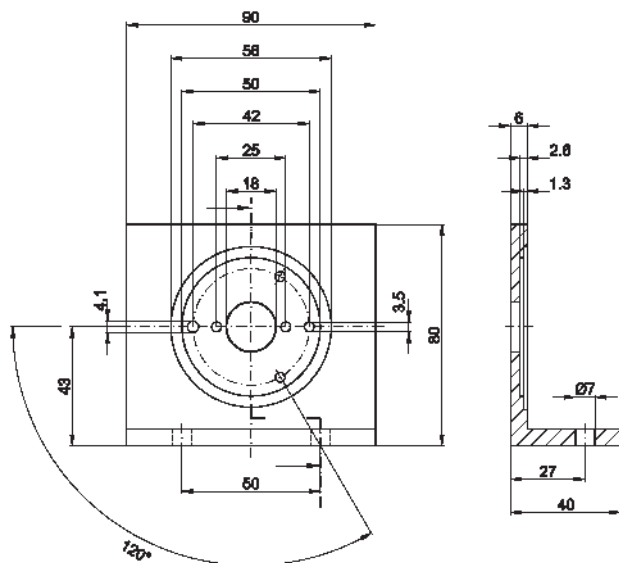
rubber with naps

smooth

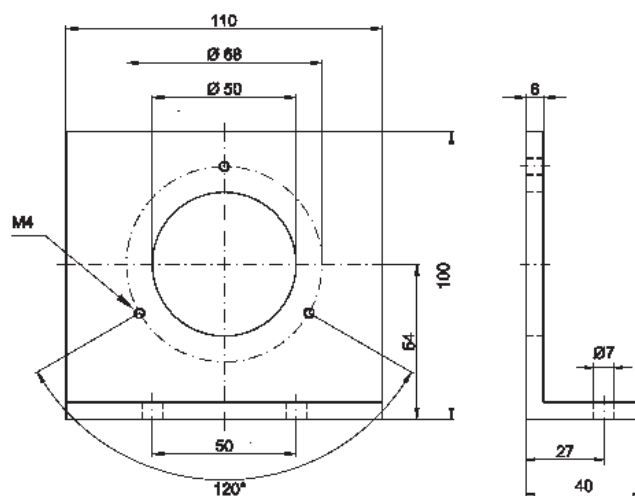
ribbed



AV000029



AV000030



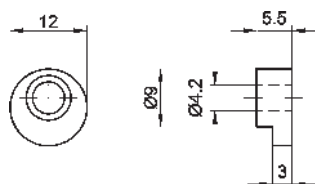
**ARTICLE-NO. DESCRIPTION**

AV000029 angle bracket for encoder-mounting with screws

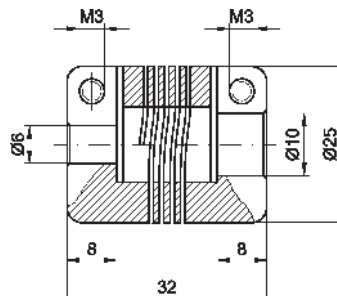
**ARTICLE-NO. DESCRIPTION**

AV000030 angle bracket for encoder-mounting with screws

AV000031



AV000032



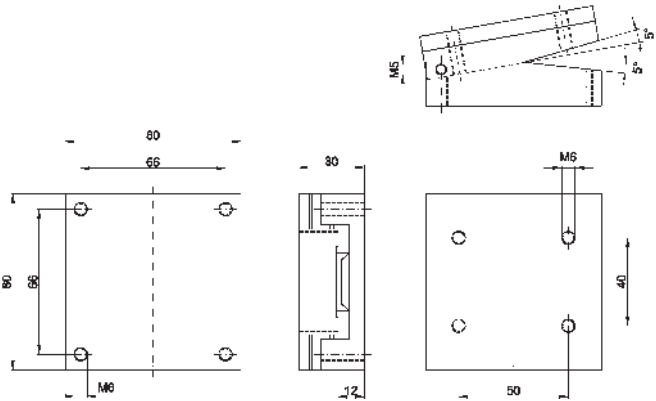
**ARTICLE-NO. DESCRIPTION**

AV000031 clamping claw for AV000030

**ARTICLE-NO. DESCRIPTION**

AV000032 coupling, Ø25, 32long, 6/10mm shaft

AV000041



AV000021



| ARTICLE-NO. | DESCRIPTION        |
|-------------|--------------------|
| AV000041    | spring-loaded base |

| ARTICLE-NO. | DESCRIPTION                                   |
|-------------|-----------------------------------------------|
| AV000021    | cable socket straight 12-pin, self ready-made |
| AV000023    | cable socket straight 12-pin, 2m              |
| AV000095    | cable socket straight 12-pin, 5m              |
| AV000102    | cable socket straight 12-pin, 10m             |

| material surface                                                     | recommended measuring wheel surface |
|----------------------------------------------------------------------|-------------------------------------|
| plastic, cardboard, wood, textiles                                   | hytrel / ribbed                     |
| plastic, varnished surfaces, paper, cardboard, wood, metal, textiles | hytrel / smooth                     |
| plastic, metal, textiles                                             | nitrile / rubber with naps          |

The measuring accuracy of an encoder with measuring wheel depends on the following factors:

- ▶ type of the material to be measured
- ▶ enlacement angle
- ▶ torque of the counter or the encoder
- ▶ transportation speed of the material
- ▶ tensile strength of the material to be measured
- ▶ surface roughness
- ▶ contact pressure of the material to be measured against the measuring wheel
- ▶ elasticity of the material to be measured
- ▶ diameter tolerance of the measuring wheel