

# Torque Limiter-GSR

Dimensions of standard version



*Cam gears*

*Modules of automation*

M0989DE/1503 © MIKSCH GmbH

Torque limiter GSR

**MIKSCH**  
accelerates

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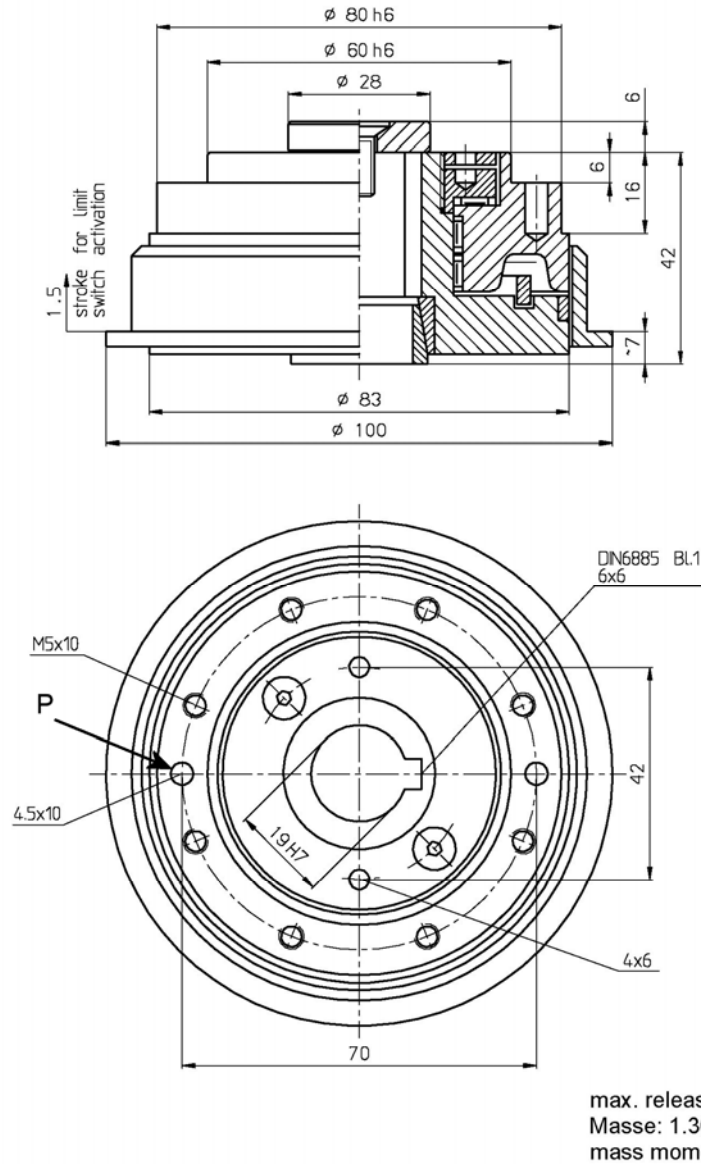
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## 1 Torque Limiter GSR1



[P] Will be finished during assembly.

This torque limiter is available in standard for CF3 indexers of the product size 65P.

The release momentum is brought about by the spring arming on mounting and is not adjustable.



### DANGER

#### Authorized intended utilization of the clutch!

The clutch is intended exclusively for the protection of the cam mechanism against overstraining.

Consequences: Serious injuries, property and environmental damage

- The clutch does not protect operating personnel or parts which are moved by the cam gear!



### WARNING

#### Drive cam gear switch off!

If the drive continues on the cam gear when the clutch is activated, it can be destroyed.

Possible consequences: Serious injury and material damage

- Continued running of the drive can cause the damage of the clutch!



### WARNING

#### Effect of gravity!

After release of the torque limiter no more rotational moment will be conveyed to the attached components. I.e. these latter will, obeying the force of gravity, move downward (e.g. with the unsymmetrically loaded vertical bucket conveyors or the rotational stars).

Possible consequences: Serious injury and material damage

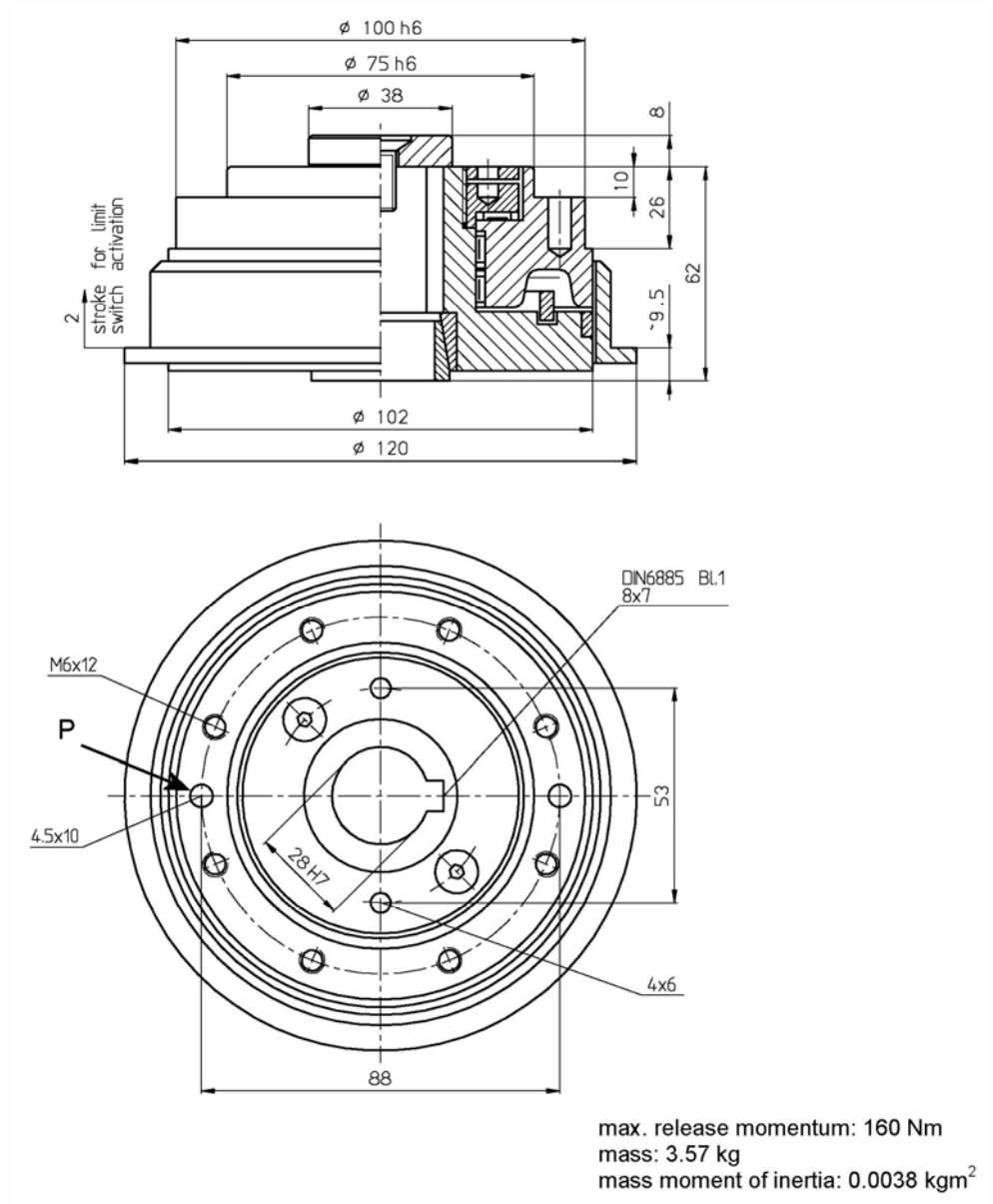
- Note the effect of gravity on the components, which are thereby moved downward!

### ATTENTION

#### Axial loads and shear forces!

Axial loads and shear forces can change the dissolution torque!

## 2 Torque Limiter GSR2



[P] Will be finished during assembly.

This torque limiter is available in standard for CF3 indexers of the product size 65P.

The release momentum is brought about by the spring arming on mounting and is not adjustable.



### DANGER

#### Authorized intended utilization of the clutch!

The clutch is intended exclusively for the protection of the cam mechanism against overstraining.

Consequences: Serious injuries, property and environmental damage

- The clutch does not protect operating personnel or parts which are moved by the cam gear!



### WARNING

#### Drive cam gear switch off!

If the drive continues on the cam gear when the clutch is activated, it can be destroyed.

Possible consequences: Serious injury and material damage

- Continued running of the drive can cause the damage of the clutch!



### WARNING

#### Effect of gravity!

After release of the torque limiter no more rotational moment will be conveyed to the attached components. I.e. these latter will, obeying the force of gravity, move downward (e.g. with the unsymmetrically loaded vertical bucket conveyors or the rotational stars).

Possible consequences: Serious injury and material damage

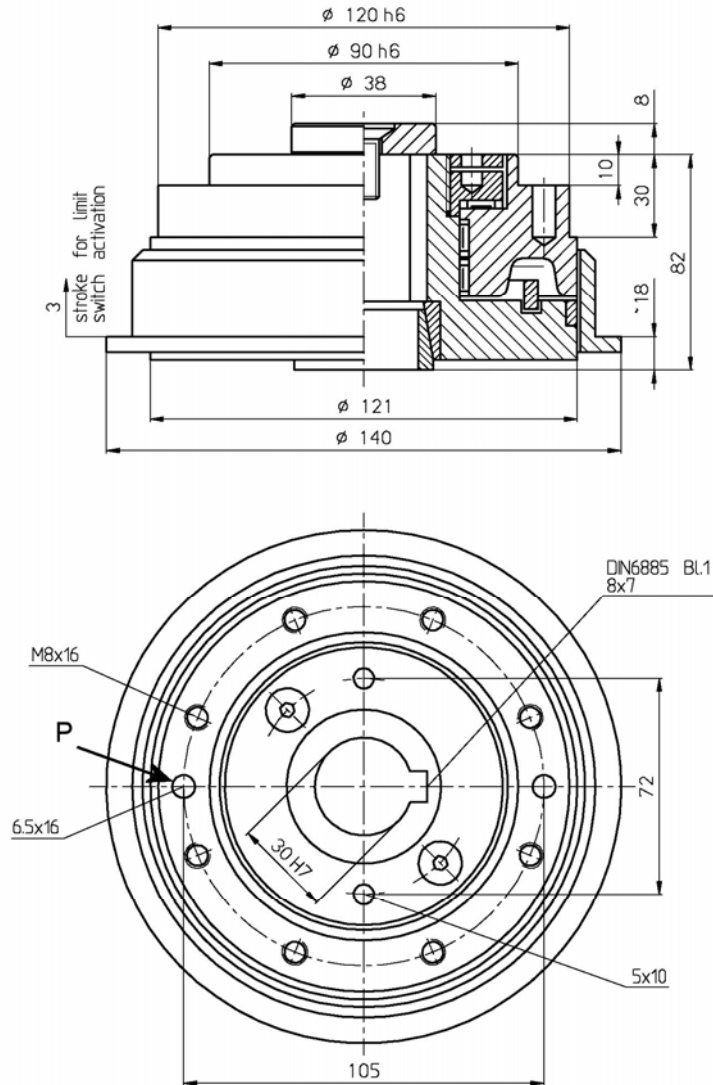
- Note the effect of gravity on the components, which are thereby moved downward!

### ATTENTION

#### Axial loads and shear forces!

Axial loads and shear forces can change the dissolution torque!

### 3 Torque Limiter GSR3



max. release momentum: 320 Nm  
 mass: 5.81 kg  
 mass moment of inertia: 0.0142 kgm<sup>2</sup>

[P] Will be finished during assembly.

This torque limiter is available in standard for CF3 indexers of the product size 65P.

The release momentum is brought about by the spring arming on mounting and is not adjustable.





### DANGER

#### Authorized intended utilization of the clutch!

The clutch is intended exclusively for the protection of the cam mechanism against overstraining.

Consequences: Serious injuries, property and environmental damage

- The clutch does not protect operating personnel or parts which are moved by the cam gear!



### WARNING

#### Drive cam gear switch off!

If the drive continues on the cam gear when the clutch is activated, it can be destroyed.

Possible consequences: Serious injury and material damage

- Continued running of the drive can cause the damage of the clutch!



### WARNING

#### Effect of gravity!

After release of the torque limiter no more rotational moment will be conveyed to the attached components. I.e. these latter will, obeying the force of gravity, move downward (e.g. with the unsymmetrically loaded vertical bucket conveyors or the rotational stars).

Possible consequences: Serious injury and material damage

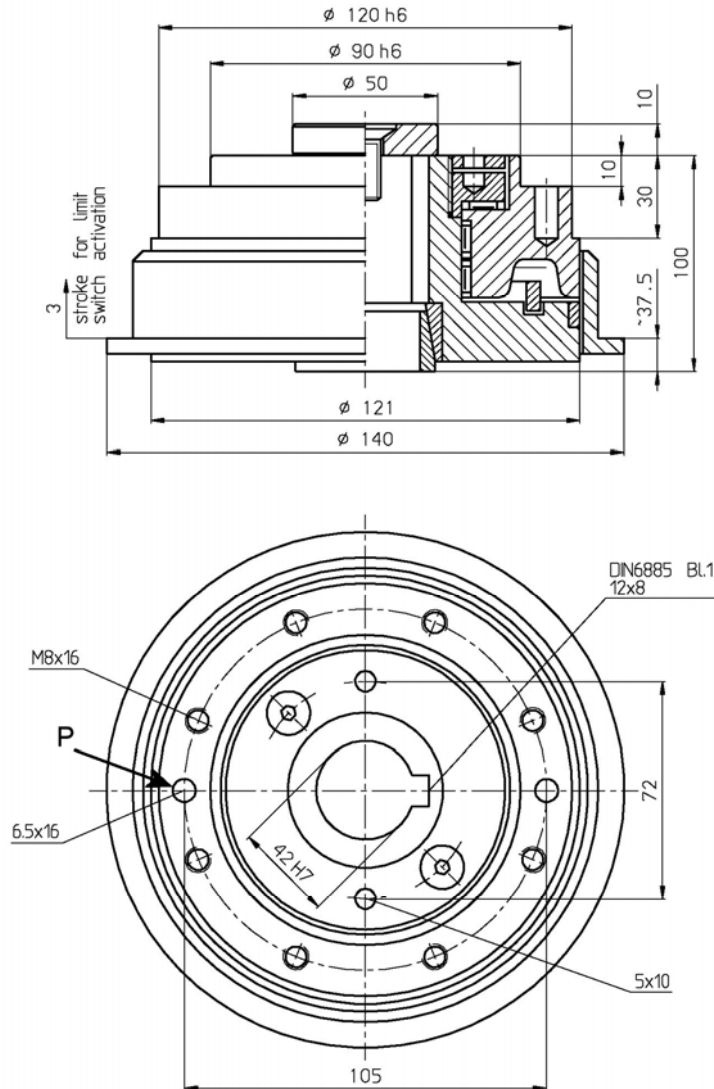
- Note the effect of gravity on the components, which are thereby moved downward!

### ATTENTION

#### Axial loads and shear forces!

Axial loads and shear forces can change the dissolution torque!

## 4 Torque Limiter GSR4



max. release momentum: 560 Nm  
 mass: 6.58 kg  
 mass moment of inertia: 0.0145 kgm<sup>2</sup>

[P] Will be finished during assembly.

This torque limiter is available in standard for CF3 indexers of the product size 65P.

The release momentum is brought about by the spring arming on mounting and is not adjustable.



### DANGER

#### Authorized intended utilization of the clutch!

The clutch is intended exclusively for the protection of the cam mechanism against overstraining.

Consequences: Serious injuries, property and environmental damage

- The clutch does not protect operating personnel or parts which are moved by the cam gear!



### WARNING

#### Drive cam gear switch off!

If the drive continues on the cam gear when the clutch is activated, it can be destroyed.

Possible consequences: Serious injury and material damage

- Continued running of the drive can cause the damage of the clutch!



### WARNING

#### Effect of gravity!

After release of the torque limiter no more rotational moment will be conveyed to the attached components. I.e. these latter will, obeying the force of gravity, move downward (e.g. with the unsymmetrically loaded vertical bucket conveyors or the rotational stars).

Possible consequences: Serious injury and material damage

- Note the effect of gravity on the components, which are thereby moved downward!

### ATTENTION

#### Axial loads and shear forces!

Axial loads and shear forces can change the dissolution torque!