

Inquiry form for magnetic encoder systems

Sender			
Company:		Contact partner:	
		Phone:	
Address:		Fax:	
		E-Mail:	

Spare parts			
<p>→ If you wish to request a quote for spare parts, please only fill out the section highlighted in gray. It is not possible to provide a quote without a serial number.</p>			
Serial number:		Order number (optional):	
End customer / Country of end customer:			

New device

1 Number of items:	2 Date when required / Delivery date:
.....

3 Field of application / Application:

.....

4 Ex-protection according to ATEX required (gas, zone 2: Ex II 3G Ex nC IIC T4 Gc)?

yes no

5 Required certifications

UKCA UL/CSA EAC

6 Output signal:

Incremental output signal

Pulse rate (depends on diameter of pulse wheel)

..... pulses per rotation

Reference pulse signal (requires additional magnetic track)

No reference pulse signal 1 x per rotation x per rotation

Signal transmission

Electric (copper cable):

- | | |
|---------------------------------------------------------------------------------------------|-----------------------------|
| Signal amplitude: <input type="checkbox"/> HTL <input type="checkbox"/> TTL | Degree of protection |
| <input type="checkbox"/> Fixed cable, cable length: m | IP68 |
| <input type="checkbox"/> 12-pole round connector Burndy (types with reference pulse signal) | IP67 |
| <input type="checkbox"/> 12-pole round connector M23 (types with reference pulse signal) | IP67 |
| <input type="checkbox"/> 8-pole round connector M12 (types without reference pulse signal) | IP67 |
| <input type="checkbox"/> Terminal strip in a terminal box | IP66 |

Optic (FOC cable + separate decoder type LWLS-D ...):

- | | |
|----------------------------------------------------------------------------------------|-------------|
| <input type="checkbox"/> FOC connector in a terminal box (50/125 µm, ST®-compatible) | IP66 |
| <input type="checkbox"/> FOC connector in a terminal box (62.5/125 µm, ST®-compatible) | IP66 |

Absolute output signal

Resolution singleturn (multiturn not possible)

- 12 bit 13 bit 14 bit 15 bit 16 bit

Electric (copper cable):

- | | |
|-------------------------------------------------------------------------------------------|-----------------------------|
| <input type="checkbox"/> SSI | Degree of protection |
| <input type="checkbox"/> Fixed cable, cable length: m | IP67 |
| <input type="checkbox"/> 12-pole round connector M23 | IP67 |
| <input type="checkbox"/> 12-pole round connector Burndy | IP67 |
| <input type="checkbox"/> Terminal strip in a terminal box | IP66 |
| <input type="checkbox"/> EtherCAT , 3 x M12 plug-in connector (interface specific) | IP67 |

Switching output overspeed (option S)

Number of switching outputs

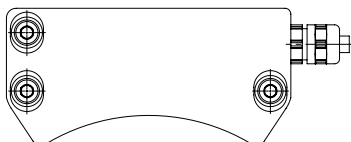
- 1 piece 2 pieces

Required switching speed

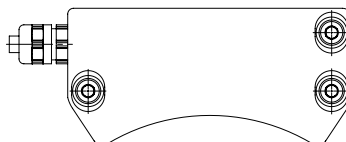
Switching speed:

Signal output

- Connection right



- Connection left

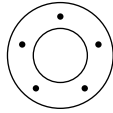


7 Shaft diameter:

.....

9 Pulse wheel version:

one-piece (standard)



10 Installation situation:

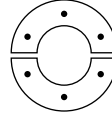
Drawing of place of installation included

→ Please ensure you include supplementary photos.

8 Maximum speed:

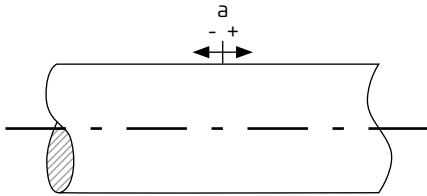
.....

split



Drawing of place of installation not available
(Please complete annex "MAC installation situation")

11 Axial shaft play:



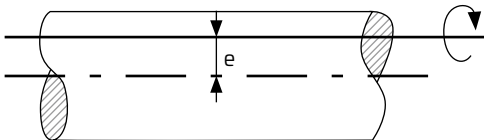
a = max. ± 1 mm

a = max. ± 3 mm

a = max. ± 8 mm

Miscellaneous:

12 Eccentricity:



e = max.: mm

13 Temperature range:

-25 °C up to +85 °C

-40 °C up to +85 °C

Miscellaneous:

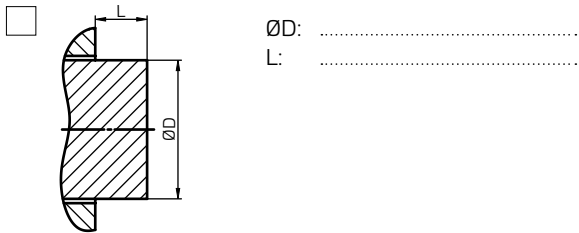
14 Miscellaneous:

.....
.....
.....
.....
.....

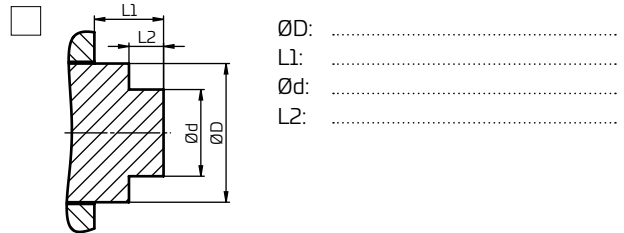
Annex
 for magnetic encoder systems

Installation situation with free shaft end

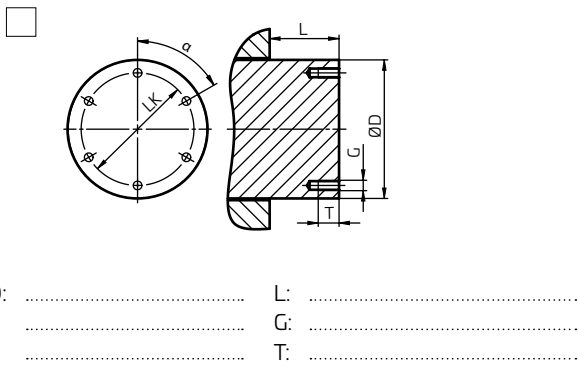
1. Shaft end with external centering without bolt circle



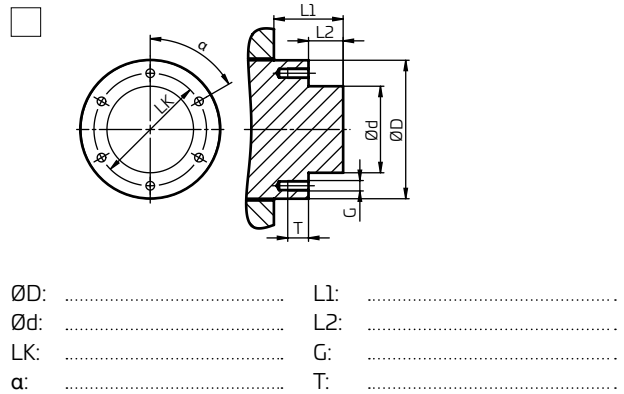
2. Shaft shoulder with external centering without bolt circle



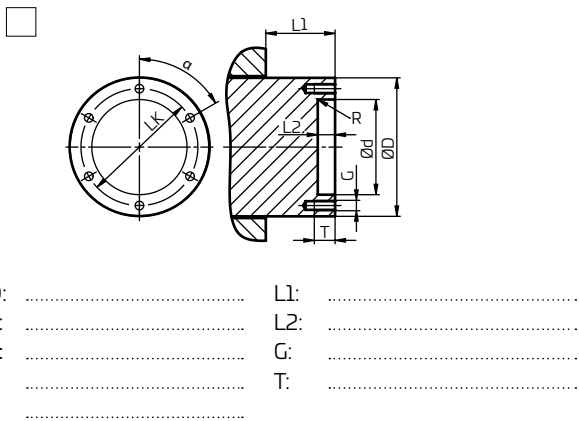
3. Shaft end with external centering and bolt circle



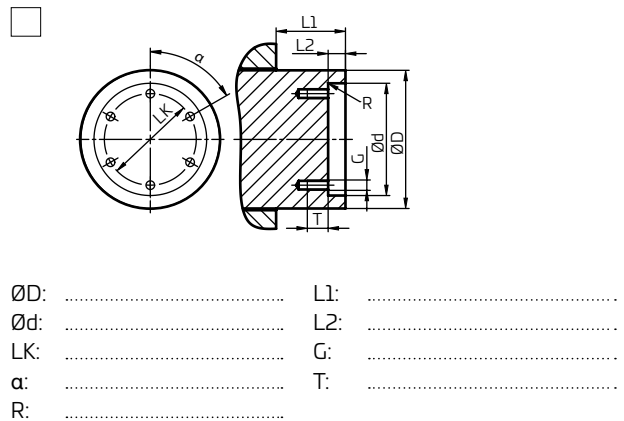
4. Shaft shoulder with external centering and bolt circle



5. Shaft end with internal centering and outer bolt circle

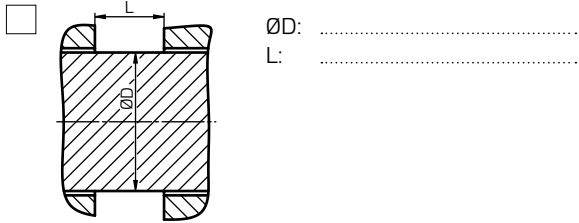


6. Shaft shoulder with internal centering and inner bolt circle

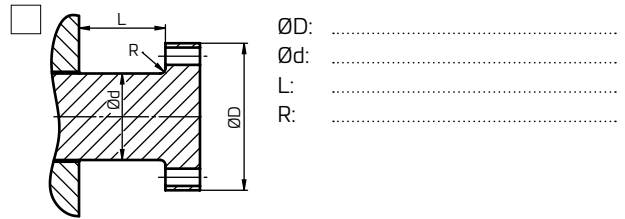


Installation situation without free shaft end

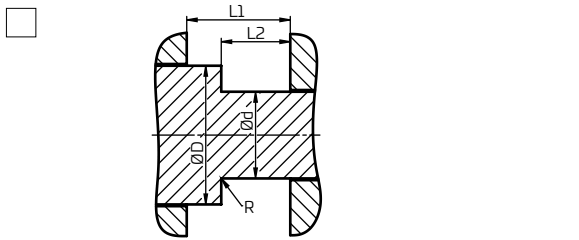
7. No free shaft end



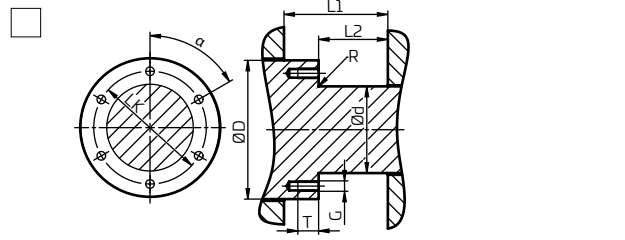
8. Shaft end with flange



9. Shaft shoulder without bolt circle



10. Shaft shoulder with bolt circle



Own sketch