

## 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

<b>1</b> Number of items:	<b>2</b> 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)**

Ideal: ..... pulses per rotation

If "ideal" cannot be realized: Between ..... and ..... 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                 | <b>Degree of protection</b> |
| <input type="checkbox"/> Fixed cable, cable length: ..... m                                 | <b>IP68</b>                 |
| <input type="checkbox"/> 12-pole round connector Burndy (types with reference pulse signal) | <b>IP67</b>                 |
| <input type="checkbox"/> 12-pole round connector M23 (types with reference pulse signal)    | <b>IP67</b>                 |
| <input type="checkbox"/> 8-pole round connector M12 (types without reference pulse signal)  | <b>IP67</b>                 |
| <input type="checkbox"/> Terminal strip in a terminal box                                   | <b>IP66</b>                 |

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

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

**Absolute output signal**

**Resolution singleturn (multiturn not possible)**

- 12 bit  13 bit  14 bit  15 bit  16 bit

**Electric (copper cable):**

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

**Switching output overspeed (option S)**

**Number of switching outputs**

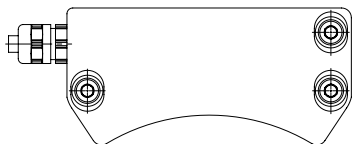
- 1 piece  2 pieces  .....

**Required switching speed**

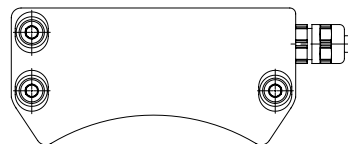
Switching speed: .....

**Signal output**

- Connection left



- Connection right

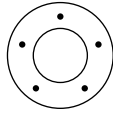


**7 Shaft diameter:**

.....

**9 Pulse wheel version:**

one-piece (standard)



**10 Installation situation:**

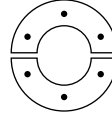
Drawing of place of installation included

→ Please ensure you include supplementary photos.

**8 Maximum speed:**

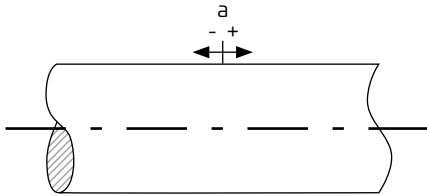
.....

split



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

**11 Axial shaft play:**



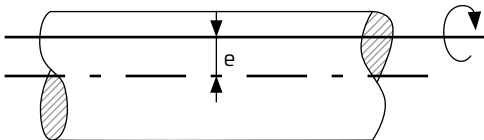
a = max. ± 1 mm

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: .....

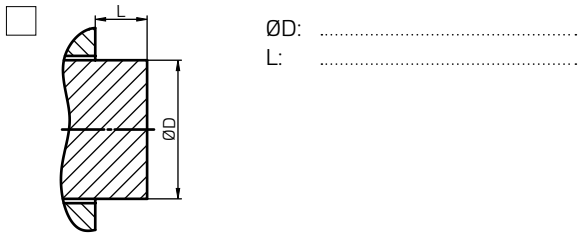
**14 Miscellaneous:**

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

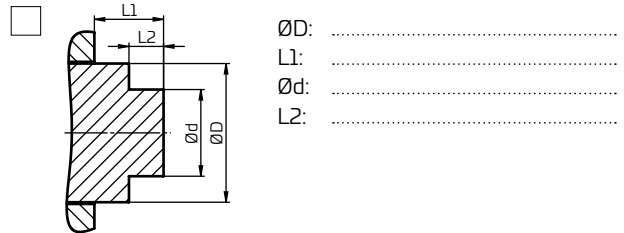
**Annex**  
 for magnetic encoder systems

**Installation situation with free shaft end**

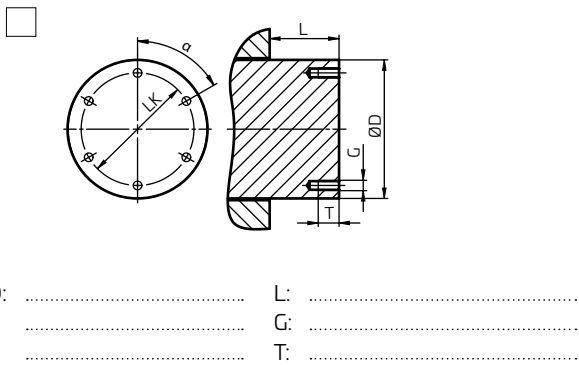
**1. Shaft end with external centering without bolt circle**



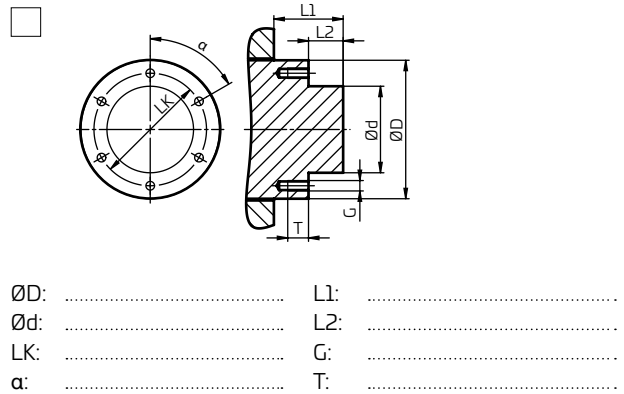
**2. Shaft shoulder with external centering without bolt circle**



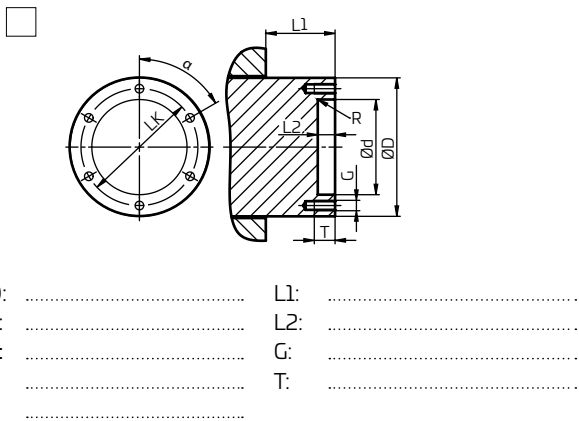
**3. Shaft end with external centering and bolt circle**



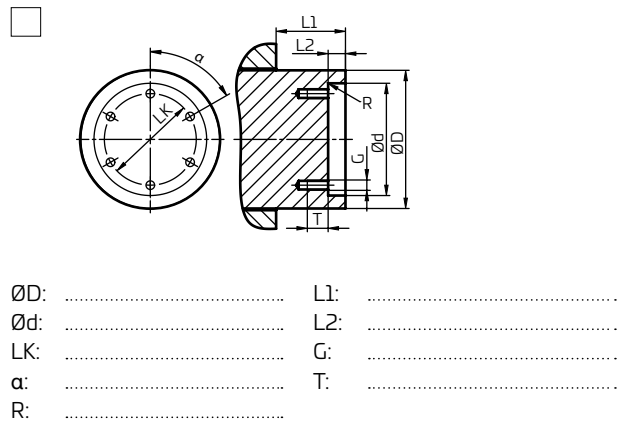
**4. Shaft shoulder with external centering and bolt circle**



**5. Shaft end with internal centering and outer bolt circle**

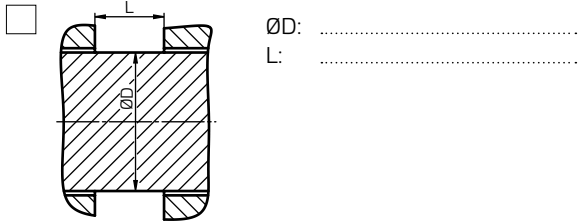


**6. Shaft shoulder with internal centering and inner bolt circle**

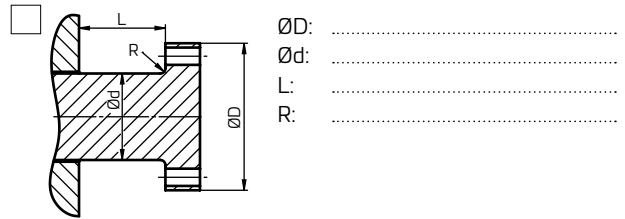


Installation situation without free shaft end

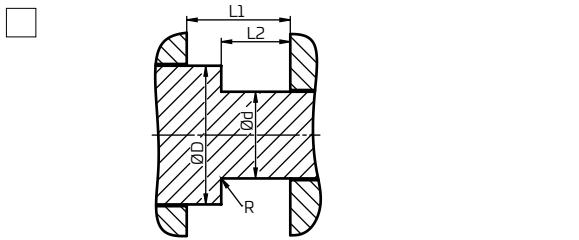
7. No free shaft end



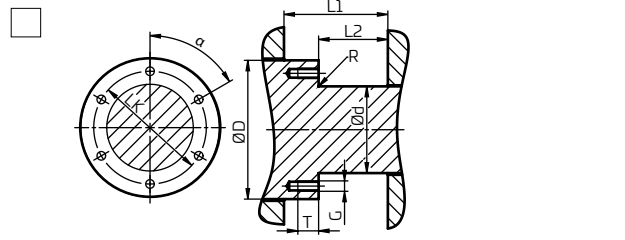
8. Shaft end with flange



9. Shaft shoulder without bolt circle



10. Shaft shoulder with bolt circle



Own sketch