Accessories for rotary encoders *GEL20x, 21x, 23x, 26x, 29x*

Technical information *Version 2021-07-14*

General

- Mounting accessories for magnetic-incremental and magnetic absolute rotary encoders featuring different flange shapes and dimensions
- Comprehensive range of connectors matched to our rotary encoders for trouble-free connections and highly precise transmissions

Advantages

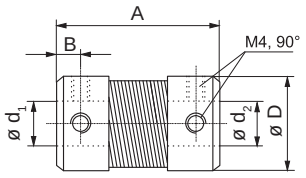
- Easy assembly due to perfectly matched and pre-assembled components from a single source
- Adaptation to customised and individual installation situations
- Optimised electrical connection due to connector assembly

Internet: www.lenord.com
E-Mail: info@lenord.de
Phone: +49 208 9963–0

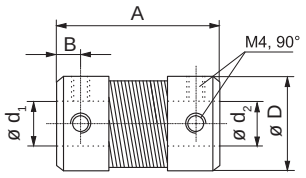
Lenord, Bauer & Co. GmbH
Dohlenstraße 32
46145 Oberhausen, Germany

Connection of drive shaft and rotary encoder shaft

<table>
<tr><th>Item no.</th><th>Description</th><th>Dimensional drawing</th><th>Suitable for</th></tr>
<tr>
<td>MK 8</td>
<td>Metal coupling made of stainless steel
Universal connection between drive shaft and rotary encoder shaft to compensate for misalignments and angular errors
Material: X12CrNi18-8 (V2-A)

▪ Permissible misalignment of nominal shaft diameter: 3° or 3%
▪ Available with different diameters d_1 and d_2 available</td>
<td>


<table>
<tr><th>A</th><th>B</th><th>D</th><th>d_1(1)</th><th>d_2(1)</th><th>d_1 / d_2</th></tr>
<tr><td>35</td><td>5</td><td>21</td><td>5 to 12</td><td>5 to 12</td><td>6/6; 8/8; 10/10;12/12</td></tr>
<tr><td colspan="6">d_1 / d_2 Standard version</td></tr>
</table>
Standard versions MK 8
<table>
<tr><th>d1 / d2</th><th>Item no.</th><th>Designation</th></tr>
<tr><td>6 / 6</td><td>VK1002</td><td>MK08.06-06</td></tr>
<tr><td>6 / 8</td><td>VK1003</td><td>MK08.06-08</td></tr>
<tr><td>6 / 10</td><td>VK1004</td><td>MK08.06-10</td></tr>
<tr><td>6 / 12</td><td>VK1005</td><td>MK08.06-12</td></tr>
<tr><td>8 / 8</td><td>VK1006</td><td>MK08.08-08</td></tr>
<tr><td>8 / 10</td><td>VK1007</td><td>MK08.08-10</td></tr>
<tr><td>8 / 12</td><td>VK1008</td><td>MK08.08-12</td></tr>
<tr><td>10 / 10</td><td>VK1009</td><td>MK08.10-10</td></tr>
<tr><td>10 / 12</td><td>VK1010</td><td>MK08.10-12</td></tr>
<tr><td>12 / 12</td><td>VK1011</td><td>MK08.12-12</td></tr>
</table>
</td>
<td>GEL 207
GEL 208
GEL 260
GEL 2010
GEL 2037</td>
</tr>
<tr>
<td>MK 12</td>
<td>Metal coupling
Universal connection between drive shaft and rotary encoder shaft to compensate for misalignments and angular errors
Material: Steel

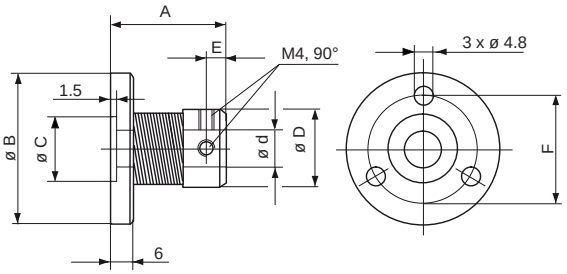
▪ Permissible misalignment of nominal shaft diameter: 3° or 3%
▪ Available with different diameters d_1 and d_2 available</td>
<td>


<table>
<tr><th>A</th><th>B</th><th>D</th><th>d_1(1)</th><th>d_2(1)</th><th>d_1 / d_2</th></tr>
<tr><td>50</td><td>7</td><td>26(2)</td><td>6 to 15</td><td>6 to 15</td><td>12/12</td></tr>
<tr><td colspan="6">d_1 / d_2 Standard version</td></tr>
</table>
Standard versions MK 12
<table>
<tr><th>d1 / d2</th><th>Item no.</th><th>Designation</th></tr>
<tr><td>6 / 10</td><td>VK1039</td><td>MK12.06-10</td></tr>
<tr><td>6 / 12</td><td>VK1037</td><td>MK12.06-12</td></tr>
<tr><td>8 / 8</td><td>VK1031</td><td>MK12.08-08</td></tr>
<tr><td>8 / 10</td><td>VK1032</td><td>MK12.08-10</td></tr>
<tr><td>8 / 12</td><td>VK1033</td><td>MK12.08-12</td></tr>
<tr><td>10 / 10</td><td>VK1034</td><td>MK12.10-10</td></tr>
<tr><td>10 / 12</td><td>VK1035</td><td>MK12.10-12</td></tr>
<tr><td>12 / 12</td><td>VK1036</td><td>MK12.12-12</td></tr>
</table>
</td>
<td>GEL 207
GEL 208
GEL 260
GEL 2010
GEL 2037</td>
</tr>
</table>

(1) Tolerance H7
(2) Available with Woodruff key slot

Connection of drive shaft and rotary encoder shaft

<table>
<tr><th>Item no.</th><th>Description</th><th>Dimensional drawing</th><th>Suitable for</th></tr>
<tr>
<td>MKF 8
MKF 12</td>
<td>Flange coupling
Flexible flange connection between drive shaft and rotary encoder shaft for the compensation of misalignments and angular errors
MKF 8 42 mm flange diameter
MKF 12 48 mm flange diameter

▪ Permissible misalignment of nominal shaft diameter: 3° or 3%
▪ Mount coupling preloaded to 1 mm</td>
<td>


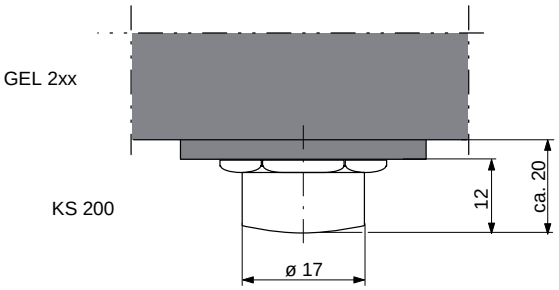
<table>
<tr><th></th><th>A</th><th>B</th><th>C(1)</th><th>D</th><th>E</th><th>F</th><th>d(1)</th><th>d*</th></tr>
<tr><td>MKF 8</td><td>30</td><td>42</td><td>18</td><td>21</td><td>5</td><td>30</td><td>6 to 10</td><td>6; 8; 10</td></tr>
<tr><td>MKF 12</td><td>40</td><td>48</td><td>22</td><td>26(2)</td><td>7</td><td>37</td><td>8 to 15</td><td>12</td></tr>
<tr><td colspan="9">d* Standard version</td></tr>
</table>
Standard versions MKF 8
<table>
<tr><th>d1</th><th>Item no.</th><th>Designation</th></tr>
<tr><td>6</td><td>VK1024</td><td>MKF08.06</td></tr>
<tr><td>8</td><td>VK1021</td><td>MKF08.08</td></tr>
<tr><td>10</td><td>VK1022</td><td>MKF08.10</td></tr>
<tr><td>12</td><td>VK1023</td><td>MKF08.12</td></tr>
</table>
Standard versions MKF 12
<table>
<tr><th>d1</th><th>Item no.</th><th>Designation</th></tr>
<tr><td>8</td><td>VK1043</td><td>MKF12.08</td></tr>
<tr><td>10</td><td>VK1041</td><td>MKF12.10</td></tr>
<tr><td>12</td><td>VK1042</td><td>MKF12.12</td></tr>
</table>
</td>
<td>GEL 207
GEL 208
GEL 260
GEL 2010
GEL 2037</td>
</tr>
</table>

(1) Tolerance H7

(2) Available with Woodruff key slot

Special accessories

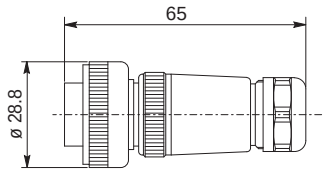
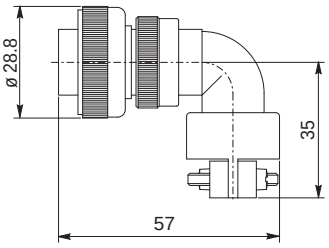
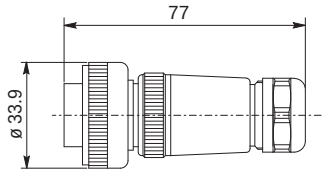
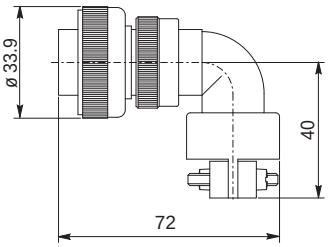
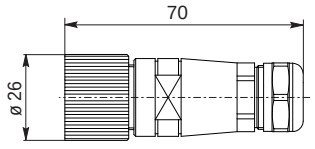
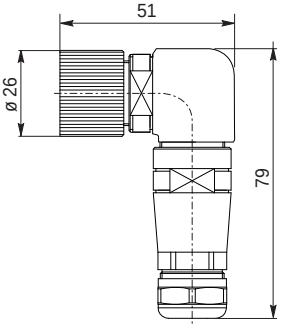
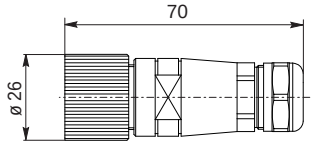
Protective measures

Item no.	Description	Dimensional drawing	Suitable for
LZ1057	**Condensed water outlet KS 200** For axial or radial mounting on the rotary encoder housing Reduction of the degree of protection of the encoder to IP 64 State position with the order for the rotary encoder. Ensure that condensed water outlet is pointing down when installing the encoder.		GEL 207 GEL 208 GEL 209 GEL 260

Electrical connection accessories

Various mating connectors are available for the electrical connection of the rotary encoder. Customer-specific adaptation of all components is in principle possible.

Connection accessories for rotary encoders with analogue or SSI output

Item no.	Description	Dimensional drawing	Suitable for
BS1111	**Mating connector GG 66** 6-pin, straight, IP 65		GEL 207 GEL 208 GEL 209 GEL 260
BS1113	**Mating connector GW 66** 6-pin, angled, IP 65		GEL 207 GEL 208 GEL 209 GEL 260
BS1112	**Mating connector GG 106**, 10-pin, straight, IP 65		GEL 292 GEL 293
FS1132	**Mating connector GW 106**, 10-pin, angled, IP 65		GEL 292 GEL 293
FS1139	**Mating connector GG 126** M23, 12-pin, straight, female, A-coded		GEL 207 GEL 208 GEL 260 GEL 2037
FS1136	**Mating connector GW 126** M23, 12-pin, angled, female, A-coded, IP 65		GEL 207 GEL 208 GEL 260 GEL 2037
FS11311	**Mating connector** M23, 17-pin, straight		GEL 2037

Notes:

Notes:

Lenord, Bauer & Co. GmbH
Dohlenstraße 32
46145 Oberhausen, Germany
Phone: +49 208 9963–0
Fax: +49 208 676292
Internet: www.lenord.com
E-Mail: info@lenord.de