Incremental encoder bracket (T8.58XX)

Part Number: 8.0010.7000.0010

Description:
Spring loaded right angle bracket for measuring wheels and rack and pinion systems

Used with clamping flange 58 mm face mount screws included

Incremental encoder assembly bell (T8.58XX)

Part Number: 8.0000.4500.XXXX

Description:
Assembly bell

Kit includes:
- Coupling 8.0000.1401
- Mounting screws

Purchase separately:
- Flex coupling TCF075-XX-XX
- Optional assembly with servo cleat 8.0010.4100.0000
- Used with servo flange Ø 58 mm

Part number key:
8.0000.4500.XXXX

Bore diameter of coupling
\[ d_1 \text{ in mm} \]

Bore diameter of coupling
\[ d_2 \text{ in mm} \]

Mounting example:

- standard mounting screw M4x10 DIN 912 (4x)
- screw M4x10 DIN 912 (3x)
- washer Ø 4, 3 x Ø 8 x 0.5 DIN 433 7x
- assembly bell
- encoder with servo flange
- alternative eccentric fixing fastening eccentric: 8.000.4100.0000 (3x)
- screw M4x35 DIN 84 (3x)
- nut M4 DIN 934 (3x)
Servo cleats

<table>
<thead>
<tr>
<th>Part Number</th>
<th>For Encoder Type</th>
<th>D1</th>
<th>D2</th>
<th>D3</th>
<th>A</th>
<th>B</th>
<th>C</th>
</tr>
</thead>
<tbody>
<tr>
<td>8.0010.4200.0000</td>
<td>T8.3600.1XXX.XXXX</td>
<td>0.267 [6.8]</td>
<td>0.197 [5.0]</td>
<td>0.110 [2.8]</td>
<td>0.138 [3.5]</td>
<td>0.089 [2.25]</td>
<td>0.35 [0.9]</td>
</tr>
<tr>
<td>8.0010.4100.0000</td>
<td>T8.58XX.2XXX.XXXX</td>
<td>0.350 [8.9]</td>
<td>0.256 [6.5]</td>
<td>0.126 [3.2]</td>
<td>0.220 [5.6]</td>
<td>0.114 [2.9]</td>
<td>0.047 [1.2]</td>
</tr>
</tbody>
</table>

- For use with rotary encoders with servo flange
- Kit includes 3 cleats and 3 screws
- Chrome plated steel
- Galvanized nickel finish

Brackets

Part Number:
8.0010.2300.0000

Description:
Right angle bracket

Used with clamping flange Ø 58 mm face mount
Screws Included
Rotary Measurement Technology
Encoder Accessories

Rack and pinion

Part Number: 8.0010.7000.0001
Description: Rack

Part Number: 8.0010.7000.0002
Description: Pinion

Part Number: 8.0010.7000.0003
Description: Support

Wheels

Part Number: 8.0000.3751.0006
Description: 6 mm bore, diamond knurl aluminum wheel, 12” circumference

Part Number: 8.0000.3751.0010
Description: 10 mm bore, diamond knurl aluminum wheel, 12” circumference

Part Number: 8.0000.3751.0006.35
Description: 1/4” bore, diamond knurl aluminum wheel, 12” circumference

Part Number: 8.0000.3751.0009.52
Description: 3/8” bore, diamond knurl aluminum wheel, 12” circumference
### Bearing unit

**Part Number:** 8.0010.8200.0006  
**Description:** Bearing unit for 58XX shaft encoders with clamping flange and Ø 10x20 mm shaft  
**Speed:** max 3,000 RPM  
**Load:** Radial: 90 lbs (400 N), Axial: 45 lbs (200 N)  
**Weight:** 0.9 lbs (0.4 kg)  
**Included:**  
- Bearing unit with lock cover and sealing  
- Coupling for Ø 0.394 (10.0) shaft  
- Flange adapter 8.0010.2100.0000  
- (3) M3x8 countersink screws  
- (4) slotted head screws

**Part Number:** 8.0010.8400.0007  
**Description:** Bearing box for 58XX hollow shaft encoders with Ø12 mm hollow shaft  
**Speed:** max 6,000 RPM  
**Load:** Radial: 67.5 lbs (300 N), Axial: 33.7 lbs (150 N)  
**Weight:** 0.9 lbs (0.4 kg)  
**Included:**  
- Bearing unit with lock cover and sealing  
- Coupling for Ø 0.394 (10.0) shaft  
- Flange adapter 8.0010.2100.0000  
- (3) M3x8 countersink screws  
- (4) slotted head screws

**Part Number:** 8.0010.8200.000B  
**Description:** Robust bearing unit for 58XX solid shaft encoders with clamping flange and shaft 6 mm  
**Speed:** max 6,000 RPM  
**Load:** Radial: 135 lbs (600 N), Axial: 45 lbs (200 N)  
**Weight:** 1.23 lbs (0.56 kg)  
**Protection:** IP67 (when closure caps are used)  
**Included:**  
- Bearing box  
- (3) M4x25 cylindrical pins  
- (1) O-ring

Unit shown with optional encoder attached. Consult factory for additional information.
### Programming kits

**Part Number:**
T8.0010.9000.0007

**Description:**
*Ezturn* programming kit with M12 (Rev 3.05)

Included:
E-RSS 8T
All hardware and software necessary to program T8.5862, T8.5882 and T8.9081 programmable absolute encoders with a PC.

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**Part Number:**
T8.0010.9000.0006

**Description:**
*Ezturn* programming kit with M23 (Rev 3.05)

Included:
All hardware and software necessary to program T8.5862, T8.5882 and T8.9081 programmable absolute encoders with a PC.