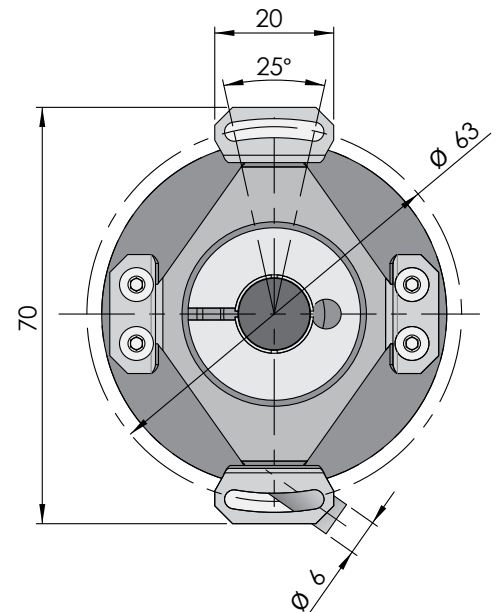
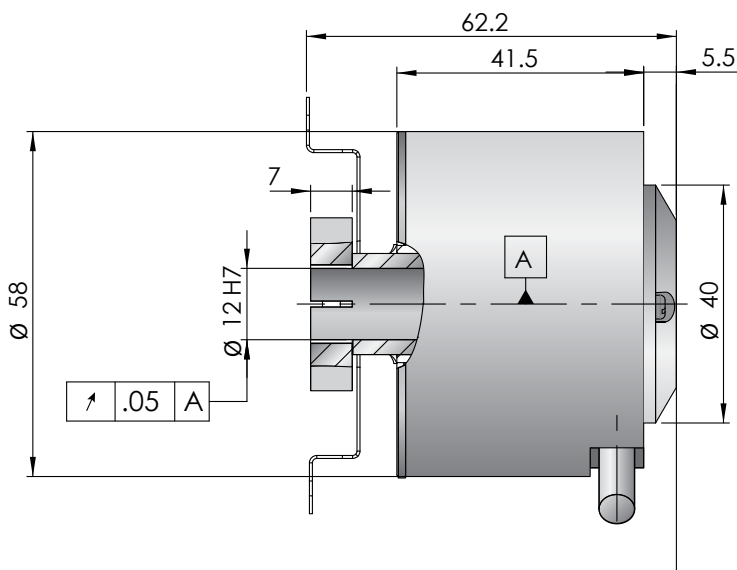


## RHA 58 series

- Absolute position data
- Binary or Gray code output
- Up to 20 bits single turn
- Up to 44 bits multiturn
- Built in housing coupling
- 12mm Hollow shaft

### Compatible with:

- Heidenhain ECN & EQN 400 Series - ECN 413, EQN 425, etc



	RHA 5800	RHA 5812	RHA 5816	RHA 5820	RHA 5824
<b>Single turn resolution</b>	10, 12, 13, 16, 18, 20 bits				
<b>Multiturn resolution</b>	N/A	12 bits	16 bits	20 bits	24 bits
<b>Output signal</b>	SSI (option "S") or BiSS-C (option "B")				
<b>Number of revolutions</b>	1	4096	65,536	~1M	~16.8M
<b>Output code</b>	Gray (Option "G") or binary (Option "B")				
<b>Maximum clock frequency</b>	10 MHz for BiSS-C, 4 MHz for SSI				
<b>Max. mechanical speed</b>	12,000 RPM				
<b>Scanning accuracy</b>	+/-1 LSB @19bits				
<b>System accuracy</b>	20 arc seconds				
<b>Complimentary output</b>	2048 PPR, 1Vpp				
<b>Permissible axial shaft play</b>	± 1 mm				
<b>Supply voltage</b>	5 V ± 5%				
<b>Supply current (without load)</b>	≤ 150 mA				
<b>Outlet type</b>	Cable				
<b>Max. cable length</b>	100 m				
<b>Environmental protection</b>	IP64 (IEC 60529)				
<b>Operating temperature range*</b>	-20°C...+70°C				
<b>Storage temperature range</b>	-30°C...+80°C				
<b>Humidity</b>	98% (non-condensing)				
<b>Vibration (55 ÷ 2000 Hz)</b>	≤ 100 m/s <sup>2</sup> (IEC 60068-2-6)				
<b>Shock (6 ms)</b>	≤ 1,000 m/s <sup>2</sup> (IEC 60068-2-27)				
<b>Weight (without cable)</b>	Approx. 0.3 kg (0.7 lb)				
<b>Rotor moment of inertia</b>	≤ 4.5 · 10 <sup>-6</sup> kgm <sup>2</sup>				
<b>Starting torque</b>	≤ 0.02 Nm				

\*for best accuracy, operating outside 0°C...+50°C is not recommended

\*\*combined length from encoder to interpolator box and from the interpolator to controller

<i>How to Order</i> example: RHA 5800-13GS			
RHA 58XX	-XX	X	X
<b>Model</b>	<b>Resolution</b>	<b>Output Code</b>	<b>Interface</b>
<ul style="list-style-type: none"> <li>• RHA 5800</li> <li>• RHA 5812</li> <li>• RHA 5816</li> <li>• ...</li> </ul>	<ul style="list-style-type: none"> <li>• 10, 12, 13, 16, 18, 20</li> </ul>	<ul style="list-style-type: none"> <li>• G - Gray</li> <li>• B - Binary</li> </ul>	<ul style="list-style-type: none"> <li>• S -SSI</li> <li>• B - BiSS-C</li> </ul>