



# HOB/MPR Series

## HOB3 Hand Operated Bevel Gearbox



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**Rotork Gears introduces the new HOB3 gearbox to complement the existing HOB/MPR range.**

The HOB/MPR gear operators are manufactured from high quality materials and life tested ensuring that maximum performance, quality and reliability are consistently maintained.

Operating temperature normally ranges from -40 to 120 °C, although other temperature ranges are available on request.

#### Application

Cost effectively designed for manual applications, the HOB/MPR bevel gear operators are for use on gate valves, globe valves and penstocks.

Form A for rising stem applications, Form B for non-rising stem applications.

#### Features

- Protected steel input shaft
- Totally enclosed gearing
- Cast iron gearcase
- Ductile iron baseplate
- Grease filled for life
- Maintenance free
- Sealed to IP67
- Protected fasteners
- Primed finish
- Aluminium bronze or D2 Ni Resist output sleeve

#### Options

- High & low temperatures
- Stainless Steel input shaft
- Coating for aggressive environments
- Position indicators
- Firesafe to ISO 10497
- Padlock
- Cover tubes

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Type	Max Output Torque Nm	Thrust kN	Ratio	M.A. $\pm 15\%$ *	Max Input Torque Nm	Weight kg	Output Mounting ISO F	Stem					
								Max Stem Height mm	Max Bore + Rect BS with 2 keys mm	Max Bore + Rect BS with 4 keys mm	Max Square mm	Max DD mm	Thread Max Major Diameter mm
HOB3	315	75	3:1	2.6	124	7.4	F10	76	40 + 12K	32 + 10K	28AF	40 x 28AF	40
						7.7	F12						
						8.0	F14						
						10.3	F16**	92					

\* The published M.A. is achieved after a few cycles.

\*\* F16 does not meet ISO 5210 minimum thread engagement of 30mm; HOB3 has 20mm engagement.

### Material specification for Rotork HOB3 gearbox

Description	Material
O-Ring & Seals	Nitrile
Needle Roller Thrust Bearing	Steel
Hexagon Head Set Screw	Steel
Gearcase	Cast Iron
Bevel Pinion & Input Shaft	Carbon steel
Bevel Gear & Baseplate	Ductile Iron
Hex Nut	Steel
Endcap	Cast Iron
Output Sleeve	Aluminium Bronze or D2 Ni Resist
Spigot Ring	Ductile Iron
Flanged Bush	Steel-backed PTFE
Spirol Pin	Carbon Steel
Grease	CLX2
Sealed Plastic Plug	Polymer - PE

Note: Due to the company's policy of continuous improvement, Rotork Gears reserves the right to change specification details without prior notice.



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