



IP RATING AND SPECIFICATION FOR IB, IS, HOB, IW, MTW, MOW RANGE OF GEARBOXES

Service:	Standard Service Duty	Buried Service Duty	Aggressive Duty	Options
IP Rating	IP67	IP68	IP68	
Time & Depth IB, IS & HOB ranges	30 min to a depth of 1 metre	15 metres	Continuous duty to a depth of 15 metres.	
Time & Depth IW range	30 min to a depth of 1 metre	15 metres	Up to 72 hours to a depth of 15 metres.	Continuous to a depth of 15 metres with protected output sleeve
Time & Depth MTW range	30 min to a depth of 1 metre	15 metres	Up to 72 hours to a depth of 15 metres.	Continuous to a depth of 15 metres with protected output sleeve
Time & Depth MOW range	30 min to a depth of 1 metre	15 metres	Up to 72 hours to a depth of 15 metres.	
Input Shafts	Steel	Protected steel	Protected steel	431 stainless steel
Fasteners	Protected steel	Protected steel	Protected steel	Stainless steel
Stop Bolts	Protected steel	Protected steel	Protected steel	Stainless steel
Output Sleeve IB, IS & HOB range	Steel or aluminium bronze	Steel or aluminium bronze	Steel or aluminium bronze	
Output Sleeve IW & MTW range	Steel	Steel	Steel	Protected steel. Stainless steel 304 for clean water applications, or 316 for others.
Output sleeve machining IW & MTW range				Rotork must supply the output sleeve fully machined to suit the valve stem for protected steel option.
Output Sleeve MOW range	Cast iron	Cast iron	Cast iron	
Position Indicator		On IW units: The rotating position indicator is protected in accordance with drawing IW6C91		
Finish	Can be supplied with primer or suitable conventional paint system. Primer alone is not sufficient for these duties. Gearboxes for all aggressive applications must be overcoated with a suitable epoxy or similar paint system. Rotork Gears optional paint system for aggressive environment applications uses an epoxy primer with a polyurethane top coat system, nominal 275 microns DFT.			
Lubrication	Renolit CL-X2			
Temperature range	-40° C to +120° C			

Materials shown are typical. Rotork reserves the right to change specification details without prior notice.

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IP RATING AND SPECIFICATIONS FOR GEARBOX MODELS - AB RANGE

Service:	Standard Service Duty	Marinized Duty	Buried Service Duty	Continuous Submersible Duty
Duty	N	W	G	CS
IP Rating	IP67	IP68	IP68	IP68
Time & Depth	30 min to a depth of 1 metre	Submersible duty for up to 72 hours to a depth of 1 metre in clean water.	Buried service	Continuous submersible duty to a depth of 20 metres.
Input Shafts	Carbon Steel C45, Electrophoresis blackened	Stainless Steel 303, the AB2000 and AB-PR's have a stainless steel 431 input shaft	Stainless Steel 303, the AB2000 and AB-PR's have a stainless steel 431 input shaft	Stainless Steel 303, the AB2000 and AB-PR's have a super duplex input shaft
Fasteners	All steel	Stainless Steel A4/W nuts are A2	Stainless Steel A4/W nuts are A2	Stainless Steel A4
Position Indicator	Scanblend FS7 (plastic)	Powder coated aluminium with O-Ring	Non-rotating plate	Non-rotating plate. If indication is required, it will be in SS316
Gearcase Housing	Cast iron GG25 to (EN1561 / EN-GJL-250)			
Cover plate	Cast iron GG25 to (EN1561 / EN-GJL-250)			
Finish	Can be supplied with Primer or suitable paint system for standard and corrosive atmospheres			
Lubrication	CL X2 grease			
Temperature range	-20° C to +120° C			

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