Specialised Design Features

- Primary design application - mine dewatering.
- Heavy duty build options available on all 400 and 500mm impeller series ISO class pumps.
- Suction and Discharge flanges - heavy duty with hole patterns to ANSI Class 150 and 300.
- Major cast components manufactured from heavy section abrasion resistant white iron complying with AS2027 and heat treated to 600 - 650 Brinell.
- Additional components cast from heavy section Spherooidal Graphite (SG) iron complying with AS1831 400 Mpa tensile.
- Impeller material - H3B (AS2074) heat treated stainless steel.
- Shaft material - alloy steel to AS1444-4140 max. 1100 Mpa UTS with O-ring sealed wear sleeve fitted (material AS2837 - 316 stainless steel).
- Mechanical Seal Assembly Cartridge type - heavy duty to suit application.
- Gaskets/Seals/O-rings – insertion rubber/nitrile (viton fluroelastomer option).
- Fasteners – 8.8 grade high tensile Zinc coated and 316 stainless steel.
- Rotating Element Bearings - front angular contact 7316 series & heavy duty ball 6316 (C3) series bearing. Rear - heavy duty 6316 (C3) series ball bearing. Grease feed with purge flingers.
- Optional builds include compressor assisted pump pre-prime units, base and trailer mounted units.

Please note our Design, Production, Quality Assurance and Control services are all managed from our Head Office. In support our Service and Maintenance Dept. offer technical back up and spare parts for the operational life of the product thus allowing for full customer service and minimal maintenance downtime.