



AGITATOR ASSEMBLY COMPONENTS

HYDROMETALLURGICAL
MINERAL PROCESSING



At Berg, we offer clients value-adding solutions that reduce operating costs, maximise performance, and extend asset life. We achieve this by applying holistic, responsive engineering solutions at every stage of an asset's lifecycle, and by staying true to what makes us unique: precision, collaboration, trust, and experience.

Experience

Berg's experience is a powerful asset. We have worked with clients across various sectors, implementing solutions that save time and money.

- » Atmospheric leaching
- » Pressure leaching (PAL, HPAL)
- » Counter current decantation (CCD)
- » Carbon-in-leach (CIL)
- » Carbon-in-pulp (CIP)

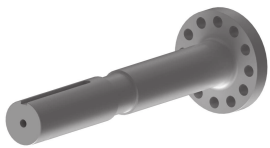
We know Materials

We have selected, designed, machined, welded and repaired many materials used in agitator equipment.

- » Titanium
- » Ferrallium® 255
- » 2507 super duplex
- » 2205 duplex
- » Inconel® 625
- » 316Ti stainless steel



DOUBLE DUAL-BALANCED HEAVY-DUTY CARTRIDGE SEALS UP TO 100 BAR



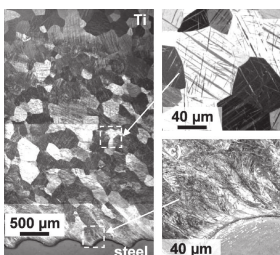
One of our clients saves approx. \$75,000 on every stub shaft repair

INCONEL® AND FERRALLIUM® 255 STUB SHAFT

Technology

To get the best result, you need the best technologies. We maintain our knowledge of the current technologies to maximise product performance and deliver reliable outcomes.

- » Explosively bonded Titanium cladding
- » Chrome Oxide and Titanium Oxide plasma coatings
- » Plasma transferred arc (PTA) hard-facing
- » Exotic weld repairs



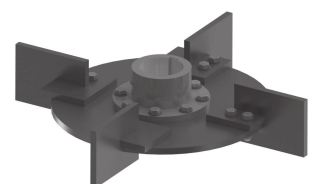
TITANIUM/CS EXPLOSIVE BONDED MICROGRAPH

Precision

Environments with fluctuating temperatures, pressures and exposure to various chemicals require robust engineering, experienced personnel and collaboration with global specialists to deliver the right solutions.

- » Explosively bonded Titanium cladded agitator seal plates
- » Mechanical seal design, manufacture, installation and servicing
- » Mechanical seal cooling system design, manufacture, installation and servicing
- » Gearbox component manufacture, repairs and servicing

Berg has demonstrated savings of over 30% on the cost of autoclave mechanical seals and associated components



TITANIUM AGITATOR BLADE ASSEMBLY WITH ADVANCED COATING