

CEMENTING AND WEDGING BOTTOM PACKERS (CWBP)



CEMENTING AND WEDGING BOTTOM PACKERS (CWBP) are used for cementing, wedging, and isolating ore zones or in conjunction with Sub Set Grout Packers (SSGP) to pressure grout specific fault zones or with permeability testing to isolate previously tested zones. They are also used in place of the Cementing Wedging Plug (CW) for applications where controlling water ingress is required.

Packer is set by pumping down an open rod line, spring loaded slips grab wall of hole upon leaving rod line and taper on plug locks in slips. Packing segment will then expand to a seal. A locking device built into packer ensures packer stays in a compressed and expanded position, sealing off hole and preventing cement washing out.

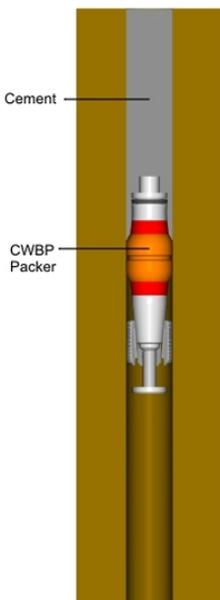
Where high pressure situations below packer location are present we recommend the additional use of Hold Down Plugs (HD).

Applications: locate packers in drill holes above and below ore zones with quantity of cement on top of packers to avoid inflow of water from drill holes, use packers with Hall-Rowe type wedges to cement wedge in position or placing a good cement plug for use with directional drills in an off bottom situation.

Packers are available for all diamond drill sizes, a Sub Set Cementing and Wedging Bottom Packer (SSCWBP) may be required for non-standard or large rotary percussion holes or non wire line rods.

Construction: Aluminium and Urethane

INSTRUCTIONS FOR USE



Lower open rod line (no barrel) to depth Cementing and Wedging Bottom Packer (CWBP) is required to be located, a casing shoe bit may be used to protect pin end of rod (must be internally flush with rod), or cut pin end of damaged rod and deburr inside edge.

It is recommended that some water is pumped down rod line for lubrication of seal and apply some clean rod joint grease to tapered section of packer.

Insert packer into rod until slips cable tie is level with top of rod, remove cable tie and push down on slips as far as possible, push packer to below thread, connect head rod and tighten in chuck.

Set pressure relief valve at 400 PSI or 27 Bar minimum and pump packer down at medium pumping rate.

High pressure reading and relief valve discharge indicates packer has locked in hole, slowly raise rods while maintaining fluid pressure, a drop to open hole pressure indicates packer has set correctly.

With the Cementing and Wedging Bottom Packer (CWBP) it is recommended to back fill hole after cementing while pulling rods to stop differential pressure forcing packer back up hole. In high pressure situations below packer location we recommend the use of Hold Down Plugs (HD).

Please ensure rod line is internally free from grease and scale before using packers.

Note: do not put weight on packer with open rod line, it could get stuck in rod line and pulled up hole.