



VAN RUTH PRODUCTS

PLUGS, PACKERS & ASSOCIATED DRILLING EQUIPMENT

VANRUTH.COM

VAN RUTH® CEMENTING AND WEDGING PLUG (CW PLUG)



VAN RUTH® CEMENTING AND WEDGING PLUGS (CW PLUG) are highly effective as bridge plugs for spot cementing sections of holes and are also used for wedging in off bottom situations for branch hole operations.

For bridging and spot cementing the CW PLUG is inserted and pumped down an open rod string. Spring loaded slips grab the wall of the hole upon leaving the rod string and the tapers of the plug body and slips lock the plug in location. A high pump pressure reading and relief valve discharge indicates the plug has locked in the hole with the upper portion of the plug still in the rods. Slowly raising the rods while maintaining a positive fluid pressure will complete the setting process. A drop to open hole pressure indicates the plug has left the rods and is ready for operations to follow. The CW PLUG may be drilled out after cementing if required.

For wedging with Hall-Rowe type wedges, the CW PLUG is inserted and pumped down to required location with water and set as above. A wooden plug is placed on top of the CW PLUG and the wedge is lowered and set in position before the wooden plug has time to expand, the wedge is then cemented in to prevent vibration and branch hole drilling operations can commence.

Do not lower the rod string back down on the plug in either situation as this will damage the plug and/or become stuck in the rods and pulled up hole.

For the same application but where the hole is making water please see the CWBP.

Construction: Drillable aluminium and rubber, Also available in non spark material illustrated above in black. Material Data Safety Sheets (MSDS) available upon request.

INSTRUCTIONS FOR USE

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

It is recommended that some water is flushed down rod line for lubrication of seal and apply some clean rod joint grease to the tapered section of plug or packer before inserting in to the rods.

Lower an open rod line (no barrel) to depth where the VAN RUTH® Cementing and Wedging Plug (CW PLUG) 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 off a damaged rod and deburr inside edge.

Insert plug into rod until the slip's cable tie is level with top of rod, remove cable tie and by hand push down on slips as far as possible and then continue to push plug from the top so the plug is below thread, connect the head rod and tighten in chuck.

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

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

Do not lower the rod string back down on the plug as this will damage the cementing seal and/or the plug could become stuck in rod line and be pulled up hole

