Dog-Bone Locking Darts

Application: Drilling Tools: Contingency Sealing System

Client: Toolserv AS, Norway

Part Number: 700009

Description: Dog-Bone 3" Pipe Dart Assy 2xCD38 5000psi Red



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Dog-Bone darts are designed to land inside a profile within a hydraulically lockable drill pipe swivel. They provide a secondary means of permanent locking in the event the primary method of utilizing the drop ball of a liner hanger setting / service tool is unavailable or not preferred.

What We Did:

Benoil undertook a design consultation to determine the client's operational needs. Several design and manufacturing options were evaluated, re-using existing component geometry wherever possible to contain costs. The final design was agreed with the client after considering flow stagnation in transit downhole, installation requirements, potential leak paths and ease of manufacture. A modular assembly was delivered on time and on budget for deployment to the field.

Client Comment:

"Benoil was easy to work with because they already had the fundamental technical understanding of downhole tools, which helped them react to our needs quickly. Benoil know-how how helped to improve product design from our original ideas / performance criteria. Benoil were quick to design and manufacture, and they hit the committed delivery dates with a quality, in-tolerance product."

Head of Sales & Operations - Eastern Hemisphere