

Dual Carried O-Ring Burst Discs

Application:	Sub-Sea Control System
Client location:	Norway
Part Number:	70110##
Description:	Burst Disc 5mm Style [various]psi L13.25mm D-C/O-R (unthreaded) SS316/SS304



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Benoil developed a series of custom burst discs with various pressure ratings to fit the client's hydraulic subsea control system.

What We Did:

Benoil worked collaboratively to design, prototype, and test a series of burst disc assemblies. Design considerations focused on reliability and repeatability.

Several options were weighed with the customer based on the application's dynamic pressure conditions, required burst tolerance, redundancy, and geometric constraints. A suite of burst pressure, fragmentation and flow rate tests were performed in-house to ensure the client's application requirements were met. A rigorous certification regime was established consistent with the high cost of failure. A detailed report was provided to the client by Benoil to inform and reassure the operator.