

DESCRIPTION

The Dual Shot Ball Valve is an annular rupture disc controlled ball valve that can be set to have one or two individual ball cycles. The Dual Shot Ball Valve can be run in-hole in either the open or closed position. In the single cycle configuration, the Dual Shot Ball Valve can be used as a tubing string pressure test valve, or as a safety shut in valve in HPHT wells where a secondary down hole barrier is required. The dual cycle configuration provides down hole test valve with one shut in cycle for a pressure build up, and the ability to re-open for an additional flow period or well kill procedures.

APPLICATIONS

- Drill stem testing
- Reservoir testing: flow and shut-in/back-up safety valve
- Shoot and pull TCP
- Completions
- Under-balanced TCP
- Stimulation

FEATURES

- Fast acting full bore ball valve
- Configurable to change the ball position once or twice down hole
- Opens with high differential across the ball
- Reliable
- Run in either the closed or open position
- Precise operating pressure utilizing rupture discs
- Simple operation
- Holds pressure from above and below

SPECIFICATIONS

	3040CA	3040AS
O.D. in [mm]	5.0 [127]	3.125 [79]
I.D. in [mm]	2.25 [57]	1.125 [29]
LENGTH in [m]	46 [1.17]	67 [1.72]
WEIGHT lb [kg]	274 [124]	110 [50]
MAX TEMPERATURE (STD) degF [degC]	350 [177]	350 [177]
PRESSURE ABSOLUTE psi [kPa]	15,000 [103,421]	15,000 [103,421]
PRESSURE DIFFERENTIAL (annulus/tubing) psi [kPa]	15,000 [103,421]	15,000 [103,421]
PRESSURE ACROSS BALL STATIC psi [kPa]	10,000 [68,948]	10,000 [68,948]
PRESSURE ACROSS BALL OPENING psi [kPa]	8,000 [55,158]	8,000 [55,158]
MAX TENSION lbf [kN]	350,000 [1,557]	120,000 [534]
MAX OPERATING TENSION lbf [kN]	160,000 [710]	350,000 [1,557]
CONNECTIONS	API or Premium Available	API or Premium Available
SERVICE	Standard and Sour Service	Standard and Sour Service
API 19TT Quality Grade	Available	Available



*These specifications are guidelines only, other specifications are available upon request. Contact Northstar for more information.