

DUALIS well barrier

Increased performance combined with field proven well isolation technology

Applications

- Well isolation barrier
- Hurricane / storm plug
- Service packer
- Casing spear
- Leak testing
- Liner top test packer

Features and benefits

- Packing element configuration
 - V0 qualified as per API 11D1
 - Pressure rating up to 10,000 psi
 - Temperature rating up to 350°F
 - Field proven triple element stack
- Integral ball valve assembly
 - V0 qualified as per API 11D1
 - Increased torque and tensile
 - Positive latch before equalizing
 - Positive resealing after unloading with pressure differential up to 7,500 psi
- Integral clutch mechanism
 - Eliminates unsetting of well barrier prior to equalization
- Field proven anchoring and sealing
 - Increases system reliability

The Baker Hughes DUALIS™ well barrier has been qualified as a gas or bubble tight well isolation barrier according to the V0 acceptance criterion, defined by criteria in API 11D1. This retrievable well barrier assembly can be tested from both above or below the production zone before releasing the Retrieving Head from the barrier.

The new DUALIS well barrier is an evolution from Baker Hughes field proven GTV retrievable bridge plug technology. The addition of the new integral ball valve assembly on top of field proven sealing and anchoring technology allows for increased torque, tensile and hang off ratings.

The V0 qualified ball valve includes a compression actuated clutch mechanism which allows for opening of the ball valve for equalization prior to releasing the well barrier, eliminating the potential for release with pressure differential across the element.

The DUALIS well barrier is a multi-functional well isolation device primarily designed as a short or long term abandonment bridge plug. Where the barrier could left in the well for days to weeks to months to years. This time period starts when the bridge plug is set until it is retrieved. The increased performance ratings of the DUALIS well barrier allows the tool to be used in additional applications such as a casing spear, storm plug, leak testing/hole hunting.

Selecting the right mechanical well barrier is a critical step in any successful well operation, contact your Baker Hughes representative today to learn how the DUALIS well barrier can meet your regulatory requirements and enhance the reliability of your well suspension operations.

Specifications			
	9-5/8 in.	10-3/4 in.	13-3/8 in.
Casing weight (lb/ft)	40.00 to 53.50	60.70 to 65.70	68.00 to 72.00
Casing ID range (in.)	8.405 to 8.968	9.417 to 9.819	12.205 to 12.594
Tool OD (in.)	8.290 / 8.474	9.345	12.125
Tool ID (in.)	1.75	1.75	1.75
Max pressure rating (psi)	10,000	8,500	5,000
Temperature rating (°F)	40 to 350	40 to 300	48 to 200
Max hang off weight (lbs)	200,000	200,000	200,000
Max pull in set position (lbs)	600,000	640,000	600,000
API 11 D1 validation	V0	V0	V0