

DUALIS lockable 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
- Isolation barrier for combined P&A solutions

Features and benefits

- Torsionally and Axially locked through tool during deployment
 - Allows for full rotation or torque through the well barrier prior to setting
 - Ball actuated to unlock
- 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™ lockable well barrier has been qualified as a gas or bubble tight well isolation barrier according to the V0-R acceptance criterion, defined by API 11D1 4th Edition. This well barrier assembly can be tested from both above or below the production zone before releasing the Retrieving Head.

The new DUALIS lockable well barrier is torsionally and axially locked during deployment into the well allowing for full rotation, torque or tension and compression of any BHA hanging below the plug. Once the well barrier is ready to be set a ball is inserted into the work string and circulated down to the barrier to release the locking features allowing for the barrier to be set

The V0-R 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 lockable 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. The increased performance ratings of the DUALIS lockable well barrier allows the tool to be used in additional applications such as a casing spear, isolation and pulling device in P&A applications, 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 lockable 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.
Casing weight (lb/ft)	47.00 to 53.50	60.70 to 65.70
Casing ID range (in.)	8.405 to 8.822	9.417 to 9.819
Tool OD (in.)	8.290	9.345
Tool ID (in.)	1.25	1.25
Max pressure rating (psi)	10,000	8,500
Temperature rating (°F)	40 to 300	40 to 300
Max hang off weight (lbs)	500,000	850,000
Max pull in set position (lbs)	650,000	850,000
API 11 D1 validation	V0-R	V0