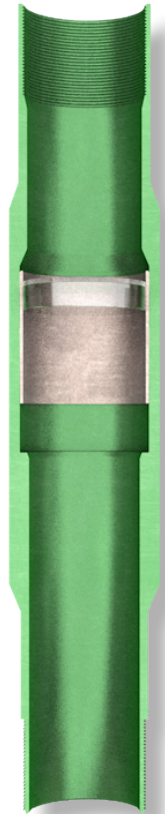


# AirLock™ G Casing Buoyancy Sub

## With Glass Burst Disk

The AirLock™ G casing buoyancy sub offers the same functionality as our original NCS AirLock system, which recently surpassed 10,000 runs. The AirLock G buoyancy sub contains a pressure barrier that allows the vertical casing section to be filled with fluid, while the lateral section remains air-filled and buoyant, reducing friction up to 50%.

AirLock G operation is simple and passive. The buoyancy sub is installed in the casing string at a location calculated to provide the optimum balance of lateral buoyancy and vertical fluid weight.



The sub houses a high-strength, glass disk supported by a calibrated shear ring. After casing lands, increased surface pressure causes the disk to shatter and diffuse into the well fluid, leaving a full-drift ID. Circulation and cementing operations proceed as normal.

- Calibrated shear ring ensures predictable operation
- Unrestricted ID after operation
- Sub can be torqued through

*\*In 99.9% of 10,000+ AirLock installations, casing has landed on the first attempt.*

AirLock G Specifications	
Nominal size, in. / mm	5.5 / 139.7
Casing weight, lb/ft / kg/m	20-23 / 29.76-34.23
OD, in. / mm	6.500 / 165.10
Full API Drift ID in. / mm	4.775 / 121.3
Service end threads	Per customer spec
Minimum shear pressure, psi / MPa	5,500 / 37.9
Maximum shear pressure, psi / MPa	9,500 / 65.5.6
Shear increments, psi / MPa	500 / 3.45
Disk pressure rating (static), psi / MPa	10,000 / 68.95
Temperature rating, °F / °C	302 / 150
Average debris particle size, in. / mm	0.0625 / 1.588

*Product information and specifications presented herein are subject to change without notice to reflect improved design or operation or otherwise. In no case shall the information be considered a part of our terms and conditions of sale.*

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