

# Centron DH Tubing, Centron DH Casing

## Heating and Cooling

### Background

Centron™ tubing is precision wound on state-of-the-art computer-controlled equipment. The advanced filament-wound construction provides the high axial modulus and tensile strength required for downhole applications.

Centron downhole tubing is available with a proprietary “DH” connection featuring four threads per inch, round-form threads with a secondary gasket seal. The joint provides outstanding across-the-joint tensile strength and prevents thread lubricant/sealant from entering the formation, minimizing damage.

Centron filament-wound fiberglass/epoxy downhole casing is available in six basic sizes from 4½ in. (40 mm) through 10¾ in. (275 mm) with a similar 4 TPI gasketed joint as described above, with the exception that the DHC joint features buttress profiled threads, rather than the round form. The special exterior surface of Centron casing provides for excellent cement bonding that satisfies the most stringent environmental requirements.



### Case study facts

**Location:** Engelhartstetten, Austria

**Time frame:** 2005

**Operating pressure:** 1,015 psi (70 bar) at the bottom

**Operating temperature:** 60°C (140°F)

**Product:** Centron DH tubing, Centron DH casing

**Size:** 27⁄8 in., 7 in.

**Design pressure:** 450 psi (31 bar), 1500 psi (103 bar)

**Design temperature:** 82°C (180°F)

**Jointing system:** 4rd O-ring thread, 8rd threaded joint

### Performance and results:

- About ¼ the weight of steel
- Assemble in any weather - no adhesives required
- Superior flow characteristics: coarse threads - no cross threading
- Excellent corrosion resistance and long service life
- Exceptional pressure and axial load capabilities
- Low installation costs: low paraffin and scale buildup
- Centron tubing can be installed using common oilfield tools

