

**EndurAlloy™**  
Abrasion and Corrosion Resistant Solutions

**Blast Joints**

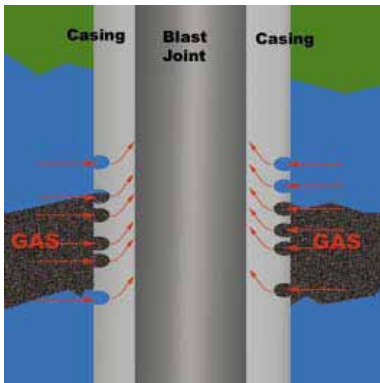


## EndurAlloy™ Blast Joints

An EndurAlloy™ Blast Joint is a 9.7m standard length J55 production tubing with a boronized alloy exterior surface that provides exceptional resistance to erosion and corrosion caused by gas and fluid entering the annulus and eroding the tube. They continue to be used successfully for many years by Canadian oil and gas companies to replace heavy-walled blast joints. EndurAlloy™ Blast Joints are available from Weatherford BMW stores across Western Canada.

### Technical Benefits

- Hardness of 73 to 90 Rockwell C
- High corrosion-resistance due to dense surface (H<sub>2</sub>S, CO<sub>2</sub>, chlorides, produced water)
- Operates in environments up to 500 degrees C
- Reduced co-efficient of friction (approximately 20%)
- Case depth of .010" to .020" for tubing
- Standard 8rd EUE threads
- No corrosion caused by dissimilar metals
- Available in 2-3/8", 2-7/8", 3.5" and up to 5.5"



EndurAlloy's™ excellent corrosion resistance is the result of the extremely dense alloyed surface, which does not allow corrosive elements to penetrate to the softer substrate. The alloy is comprised of one molecule of boron and one molecule of ferrite.

### Blast Joint Make-up

The extreme hardness of the exterior surface presents several challenges when making up EndurAlloy™ Blast Joints. Slips and tongs cannot bite into the alloyed surface. Endurance Technologies rents special make-up dog collars (used with open-face tongs) that have an internal rubber surface to maintain a surface grip. Endurance staff are available for consultation or on-site assistance during installation. For full-string applications, power-tong companies have special equipment for making-up EndurAlloy™ Blast Joints. Contact us for a list of approved power-tong companies.

### Customer Benefits

- Longer run-life than standard heavy-walled blast joints
- 9.7m length of EndurAlloy™ Blast Joint costs only a little more than a 3m standard blast joint
- EndurAlloy™ Blast Joints come in the same sizes as regular production tubing, no loss of diameter as with standard blast joints

### Sales and Contact Information

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