

# DCHA™ DOWNHOLE COUPON HOLDER ASSEMBLY

## ENSURE THE EFFECTIVENESS OF DOWNHOLE CORROSION INHIBITOR TREATMENTS WITH THE NEW DCHA DOWNHOLE COUPON HOLDER ASSEMBLY

The life of a production well is based on many factors. With proper monitoring and maintenance, the integrity of the well, especially the downhole tubing is vital for safety, environmental, and economical reasons. Production wells typically contain water, carbon dioxide, and hydrogen sulphide. This combination of elements along with varying temperatures, creates an extremely corrosive environment, subjecting, the downhole tubing to corrosion damage including metal loss, pitting, and stress corrosion cracking.

### Establish Effectiveness of Corrosion Inhibitor Treatments

Corrosion inhibitors are a cost-effective means of controlling corrosion in the downhole tubing of existing wells when properly tested and monitored. The Downhole Coupon Holder Assembly (DCHA) used solely or in conjunction with the DCMS™ Downhole Tool provides metal loss data from within hostile downhole environments and is used to test the efficacy of downhole corrosion inhibitor treatments .

### Robust Design for Extreme Well Conditions

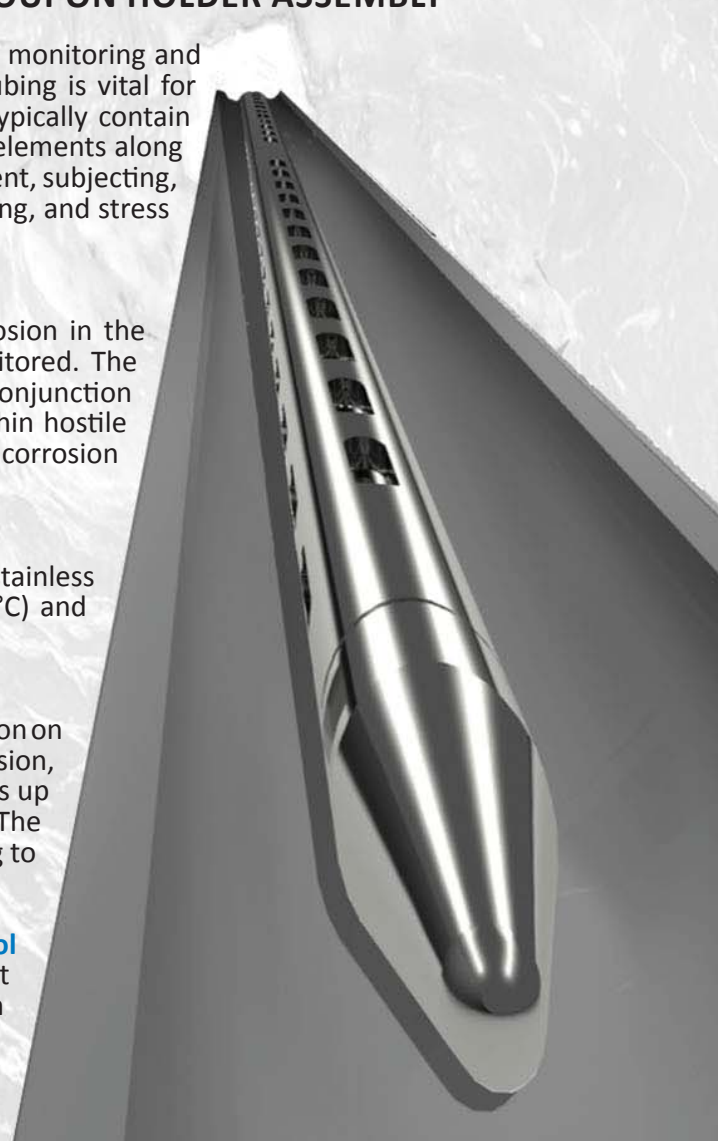
With the DCHA tool body made of highly corrosion resistant 17-4 PH stainless steel, it is designed to with stand temperatures up to 302°F (150°C) and pressures up to 10,000 psi.

### Test Various Types of Corrosion Effects

The DCHA was developed to test the effects of different types of corrosion on downhole tube materials, including general corrosion, crevice corrosion, stress corrosion, and pitting in downhole conditions. The DCHA holds up to nine coupon holders, including Bent Beam, Strip, and Cylindrical. The three type of coupon holders can be “mixed and matched” according to the type of corrosion effects you are evaluating.

### Correlate Metal Loss Data with Corrosion Rate Data from DCMS Tool

The DCHA will indicate general corrosion behavior patterns and act as a secondary metal loss measurement, when used in conjunction with the DCMS Downhole Tool. Coupon metal loss data from the DCHA samples can be correlated with ER probe metal loss data and temperature data, from the Downhole tool, to effectively analyze the condition of the downhole tubing.



#### Key benefits:

- Secondary Metal Loss Measurement When Used in Conjunction With DCMS Downhole Tool
- Measures Metal Loss of Downhole Tubing
- Analyze Corrosion Effects, Including General, Crevice, and Stress Corrosion and Pitting
- Rated to 10,000 psi and 302 °F (150 °C)
- Single or Multiple Tools Set at any Depth
- Available for Purchase or Rental



**ROHRBACK COSASCO SYSTEMS**  
**Corrosion Management Solutions**

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