



45 – 50 – 55 HD Series

# Armor Single Barrier Rupture Disc Tool®

## Protecting Your “Assets”

The Armor Single Barrier Rupture Disc Tool® is engineered and enhanced to create a pressure barrier in a live well between the well bore and the completion casing strings.

This Armor Single Barrier Rupture Disc Tool® can be installed strategically in multiple locations in the tool string during live well control operations (Snubbing).

The Armor Single Barrier Rupture Disc Tool® can also work in conjunction with other downhole tools during live well workovers and completions. Examples: Packers, etc.

Once the casing string is at your required depth, the Armor Rupture Disc® can be removed by simply overcoming differential pressure within the tubing string.

(See data sheet for Rupturing differentials)



## Features & Benefits

- ✓ Designed Specifically for live well control (Snubbing)
- ✓ Available in 5k, 10k & 15K pressure ratings
- ✓ All Rupture Disc Tools® are manufactured with P110 material
- ✓ Anti-Rotation set screws prevent threads from disengaging
- ✓ New Body Torque through capability (See spec sheet for allowed torque)
- ✓ Patented Rupture Disc® with Bore ID separation groove & shatter pattern
- ✓ New and Improved Lo-Hi pressure seal engaging design (Patent Pending)
- ✓ All Single Barrier Rupture Disc Tools® are pressure tested, charted and serialized for full traceability
- ✓ Special Clearance design available while maintaining Engineered ratings
- ✓ Eliminates wire line operations while running in highly deviated wells
- ✓ Eliminates accidental plug release, increasing safety during well control operations
- ✓ Approved for single & dual barrier applications (Snubbing IRP 15 Plug Matrix)
- ✓ Customers can special order any size, material, threads, coatings & special hardenings
- ✓ ISO Compliant

## Recommended Handling & Running Procedures

1. Insure the Rupture Disc Tool is transported from the Manufacture to the End-User location in “Safe Trip Package”.
2. Equalize the outer side of the BHA in a slow consistent manner
3. Apply fluid equivalent to ½ joint above the Rupture Disc®. Fluid cushion can protect the Rupture Disc® from objects that may accidentally drop down the inner bore

NOT FOLLOWING THE OUT LINED RECOMMENDATIONS COULD RESULT IN PRODUCT FAILURE



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## ARMOR RUPTURE DISC TOOL – AVAILABLE SIZES

TOOL DESCRIPTION inch (mm)	Tool Casing Weight Lb-ft / kg-m	TOOL Material (available)	CONCAVE SIDE	CONVEX SIDE
			psi (mpa) Rupturing differential	psi (mpa) Disc Rating
4-1/2 (114.3)	11.6-15.10/17.26-22.47	L80 / P110	500 (3447)	5 000 (34.5)
4-1/2 (114.3)	11.6-15.10/17.26-22.47	L80 / P110	750 (5171)	10 000 (68.9)
4-1/2 (114.3)	11.6-15.10/17.26-22.47	L80 / P110	1 000 (6894)	15 000 (103.4)
5 (127.0mm)	13.0-18.0 / 18.0-26.80	L80 / P110	500 (3447)	5 000 (34.5)
5 (127.0mm)	13.0-18.0 / 18.0-26.80	L80 / P110	750 (5171)	10 000 (68.9)
5 (127.0mm)	13.0-18.0 / 18.0-26.80	L80 / P110	1 000 (6894)	15 000 (103.4)
5-1/2 (139.7)	17.0-23.0 / 25.3-34.23	L80 / P110	500 (3447)	5 000 (34.5)
5-1/2 (139.7)	17.0-23.0 / 25.3-34.23	L80 / P110	750 (5171)	10 000 (68.9)
5-1/2 (139.7)	17.0-23.0 / 25.3-34.23	L80 / P110	1 000 (6894)	15 000 (103.4)

Custom Casing sizes / weight available  
 Custom Rupture pressure rating available with lead time

