

## Full Metal Rupture Disc (FMRD)

Republic Oil Tools patented **Full Metal Rupture Disc (FMRD)** offers mechanical protection during Permanent Magnet Motor run in hole operations. The FMRD is designed to protect against taking a kick and subsequent rotation of the PMM that can sent voltage up the power cable and cause injury to personnel.

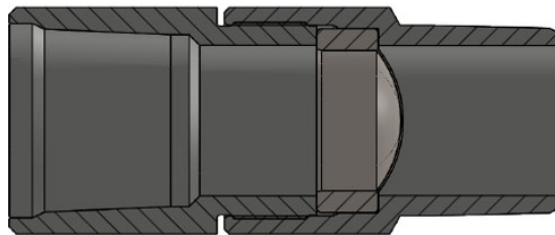
The Full Metal Rupture Disc is installed above the Electrical Submersible Pump and provides a barrier to prevent wellbore fluid from spinning the pump during run in hole operations. It is manufactured completely out of steel and is designed to flare open upon rupture thereby preventing debris from entering into the pump which has repeatedly been reported when using ceramic burst discs. Upon rupturing, the ESP can be started like normal and what remains of the FMRD will be washed away causing minimal pressure drop over the life of the submersible pump.



Full Metal Rupture Disc after Rupturing

### 2-7/8" Full Metal Rupture Disc

- 2-7/8"-8RD EUE Pin x Box Threads
- 3.4" Outside Diameter
- Withstands 4000psi from below
- Bursts at 2500psi from above (+/- 10%)
- 1026 CS Housing (Alternative metallurgies available upon request)
- 304SS Disc



For more information on the Internal Sleeve Drain – Dart Assembly or alternative drain options, please contact your Republic Oil Tools representative or visit [www.republicoiltools.com](http://www.republicoiltools.com)