



1. Release Profile Sleeve
2. Latch
3. Wireline Guide
4. Shifting Sleeve
5. Brass Retainer Screw
6. Finger Release Sub

APPLICATIONS

- TCP perforating operations
- Permanent completions
- Well testing

FEATURES

- Uses standard slickline Type B shifting tools
- Slick fishing profile
- Leaves perforations uncovered

BENEFITS

- Economical method for releasing guns and optimizing production
- Leaves tubing open for other tools and operations
- Gun can be fished in one run

Hunting's Mechanical Gun Release is designed to provide an option to drop the guns into the rathole after firing. The release is usually run about 30ft above the guns and below the ported debris sub under the packer.

Operation of the release consists of engaging the profile in the latch with a standard slickline Type B shifting tool, jarring upward to shear the latch retainer screws. When the screws shear, the latch moves up allowing the tool to separate, dropping the gun assembly into the rathole and simultaneously releasing the shifting tool.

The tool is fully open to the internal diameter of the tubing after release and the housing, which remains on the end of the tubing, provides a re-entry guide.

MECHANICAL GUN RELEASE HARDWARE SPECIFICATIONS

| Tubing Size (in)[mm] | 2-3/8 [60] EUE | 2-7/8 [68] EUE | 3-1/2 [89] EUE |
|--|---------------------|---------------------|---------------------|
| Assembly Part Number | TRMA-3063-000** | TRMA-3670-000** | TRMA-4500-200** |
| O.D. (in)[mm] | 3.06 [78] | 3.67 [93] | 4.50 [114] |
| Makeup Length (ft)[m] | 1.78 [0.54] | 1.76 [0.54] | 2.26 [0.69] |
| Min. I.D. After Release (in)[mm] | 2.00 [51] | 2.44 [62] | 3.00 [76] |
| Entry Guide Length (ft)[m] | 1.58 [0.48] | 1.58 [0.48] | 1.75 [0.53] |
| Max. 100 Hour Temperature Rating (°F)[°C]† | 400 [204] | 400 [204] | 400 [204] |
| Max. Operating Pressure (psi)[MPa]‡ | 20,000 [138] | 20,000 [138] | 20,000 [138] |
| Max. Differential Pressure (psi)[MPa] | 10,000 [69] | 8,000 [55] | 9,000 [62] |
| Min. Gun Weight Required (lbm)[kg] | 250 [113] | 300 [136] | 350 [159] |
| Max. Tension After Release (lbf)[kN] | 165,000 [734] | 200,000 [890] | 300,000 [1,334] |
| Max. Strength of Fingers (lbf)[kN] | 85,000 [378] | 125,000 [556] | 140,000 [623] |
| Redress Kit Part Number | TRMA-3063-000**-KIT | TRMA-3670-000**-KIT | TRMA-4500-000**-KIT |

** Use "HT" for high temperature operations (above 325°F (163°C))

† Hardware only. Viton O-rings need to be used above 325°F (163°C)

‡ Backup O-rings required above 13,000psi (90MPa). Kit TRMA-xxxx-000-BUKIT needs to be ordered separately