

# HR-FT™ Series Packers

Production Packers for Intelligent Completions



## Applications:

- Intelligent completions with feed-thru requirements
- Multi-zone Production Applications
- Chemical Injection below packer
- Annular gas venting
- Controlling lower completion tools
- Temperatures from 75° to 275°F [4° to 135°C] – higher temperature ranges are upon request

## Benefits:

- Large Slip contact footprint provides maximum holding force with minimal Casing damage
- Resists pre-set and does not re-set after pulling
- Running and setting flexibility

## Features:

- Minimized O-Rings
- Adjustable setting pressure
- Seal element protects slips from debris build-up
- Release ratchet provides positive slip retraction during recovery
- Variable, straight-pull shear-to-release up to 50-300 kips
- V0 Rating upon request
- Elastomer and element trim options available

## Description

The Tejas HR-FT™ Series Packers are single string, hydraulic set retrievable packers with multiple feedthroughs. These packers are well suited for production and injection wells. Tejas HR-FT™ Series requires no tubing movement during set which makes it ideal for multi-zone completions.

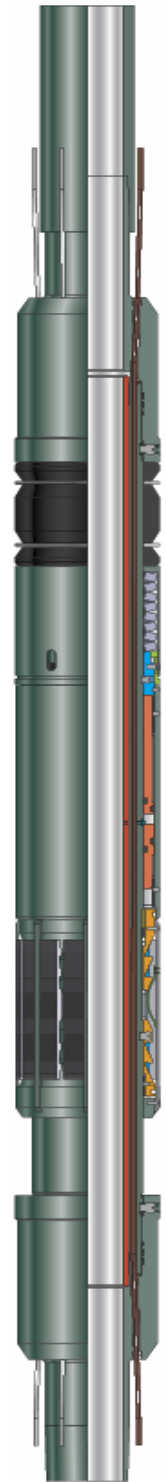
Start-to-set shear values are easily modified in the field. No tubing manipulation is required while setting the packer.

The standard HNBR packing element system may be field upgraded to a premium elastomer package as required. The leak potential is reduced by utilizing minimal O-rings in the setting chamber.

The HR-FT™ Packers utilize a large slip engagement with bi-directional carburized barrel type slips, rigidly holding the packer in place and minimizing the risk of casing damage.

These straight pull-to-release packers are rated for 5,000 psi differential pressure from above and up to 5,000 psi differential from below, depending on the shear release setting value. Once released, the HR-FT™ can be manipulated within the casing without concern of resetting the packer.

Tejas HR-FT™ Packers are built on the HR-Series Large Bore Packers which have the optimum geometry for maximizing production and are ideally suited for use in intelligent complications and ESP systems.



HR-FT™  
Packer

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## Engineering Data

Casing Size in [mm]	Casing Weight ppf	Max OD In [mm]	Working Pressure psi [kPa]	Temp. Rating ° F [° C]	Setting Pressure psi [kPa]	Trim
10.750 [273.1]	55.5-60.7	9.414 [239.1]	5,000 [34,474]	225 [107.2]	3,500 [24,131.7]	4130/4140, 13Cr

Element	Elastomers	API-11D1/ ISO-14310	Feedthroughs	Multi-Ports
6036/121 Ends 6037/120 Center	Viton®	V3	6	6x 0.250 Swagelok Fittings

Tubing Size in [mm]	Tubing ID in [mm]	Tubing Weight ppf	Upper Thread Connection	Lower Thread Connection
5.500	4.768 [121.10]	20.0	Blanked for Premium Box Threads	Blanked for Premium Box Threads

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† The engineering data provided illustrate the scope of this product offering and are not all inclusive. Additional sizes and pressure ratings are available upon request.

‡ Clearances on image below are based on critical coupling alignment.

Direct request for quotations to: [product.sales@tejasre.com](mailto:product.sales@tejasre.com)

