

Extreme Duty Drop Ball Release Joint



10,000 PSI RATED

ULTRA RELIABLE DESIGN

SECONDARY SHEAR RELEASE

Description

The DTI Coiled Tubing Extreme Duty Drop Ball Release Joint enables the controlled and safe release of the tool string from the coiled tubing should the tool string get stuck.

The DTI Extreme Duty Release Joint is designed for CT operations where high shock loads, vibrations, tensile force and / or torque forces are expected. The tool features a very robust torque through sealed joint that can be released by dropping a ball and applying pressure.

In normal operation, the latch mechanism is locked in place by a collar that is held in position by calibrated shock load protected shear pins. To release the joint, the drop ball will seat on a piston that provides the force necessary to shear the pins at a predetermined pressure. The ball returns with the upper part of the Release Joint. The lower part of the Release Joint has an internal fish neck which can be latched with a standard DTI GS Pulling Tool.

The DTI Extreme Duty Release Joint is available in standard and H2S service versions and with alternate ID's for when drop ball size is critical or a secondary lower disconnect is required.

Features & Benefits

- Will not accidentally release during jarring.
- High torque and tensile ratings.
- No assembly tools required.
- Alternate ID's and Drop Ball sizes available.
- Extreme Duty for use with Jars, Vibration Tools and High Torque Motors.
- No threaded shear screws eliminates chance of shear screws vibrating loose and reduces cost of redress.
- Standard GS Fishing Neck.
- Lower disconnect options available.



All Extreme Duty Drop Ball Release Joints are rated to 10,000 psi and 200 C

Part Number	OD	ID	Release Ball	Fish Neck	Thread
Standard Extreme Duty Drop Ball release Joints					
RJHX125AC32	1.250"	0.265"	3/8"	0.88" (1 1/4" GS)	1.00-10 SA
RJHX150AC08	1.500"	0.345"	3/8"	1.06" (1 1/2" GS)	1.00 AMMT
RJHX169AC08	1.688"	0.469"	5/8"	1.38" (2" GS)	1.00 AMMT
RJHX175AC08	1.688"	0.469"	5/8"	1.38" (2" GS)	1.00 AMMT
RJHX200AC09	2.000"	0.469"	5/8"	1.38" (2" GS)	1.50 AMMT
RJHX212AC09	2.125"	0.469"	5/8"	1.38" (2" GS)	1.50 AMMT
RJHX225AC09	2.250"	0.782"	13/16"	1.81" (2 1/2" GS)	1.50 AMMT
RJHX238AC09	2.375"	0.782"	13/16"	1.81" (2 1/2" GS)	1.50 AMMT
RJHX288AC23	2.875"	0.875"	15/16"	2.31" (3" GS)	2.38 PAC
RJHX312AC23	3.125"	0.875"	15/16"	2.31" (3" GS)	2.38 PAC
RJHX350AC23-2	3.500"	1.200"	1 1/4"	2.31" (3" GS)	2.38 PAC
RJHX475AA67	4.750"	1.900"	2"	4.00" (5" GS)	3.50 IF
Lower Disconnects					
RJHX169AC08-2	1.688"	0.340"	3/8"	1.38" (2" GS)	1.00 AMMT
RJHX212AC09-2	2.125"	0.340"	3/8"	1.38" (2" GS)	1.50 AMMT
RJHX288AC23-3	2.875"	0.563"	5/8"	2.31" (3" GS)	2.38 PAC

DTI has one of the largest ranges of Drop Ball Disconnects available on the market.
The table above is our core products only.

We offer optional equipment, alternative sizes, pressure ratings, materials and thread connections. **Please contact us for more information.**