EziTite® TR High Temperature Hydraulic Nut

- High-Temperature Resistant (to 550°C+)
- Secondary Backup Release Mechanism
- Patented Metal-to-Metal Seal Design
- Eliminate Load Losses

The patented design of the high-temperature resistant **EziTite® TR High Temperature Hydraulic Nut** has given it improved technical efficiency of operation and cost/benefit advantages over other tensioning devices.

Operation

The **EziTite® TR High Temperature Hydraulic Nut** operates by providing simultaneous multiple tensioning to ensure even bolt loads, which significantly streamlines assembly and reduces disassembly downtime.

Its smart design is specifically engineered to eliminate load losses during the tensioning process, providing a reliable and precise fit with minimal physical effort.

In the event of service damage or misalignment which may disrupt seal integrity, the unit features a unique Sacrificial Ring.

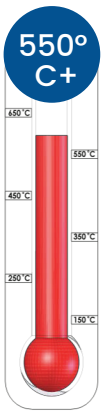
By carefully splitting and removing this ring, the **EziTite® TR High Temperature Hydraulic Nut** will retract normally for safe removal.

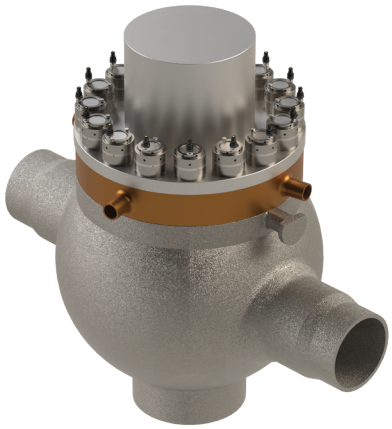
This efficient operational cycle makes it the ideal solution for high-pressure and high-temperature applications such as refineries, processing and steelworks, pressure vessel closures (i.e. Autoclaves, Boilers, etc), flange makeup, steam turbine half-joints and gas turbine casings.

Features

The **EziTite® TR High Temperature Hydraulic Nut** is defined by its patented metal-to-metal seal design, which offers superior technical efficiency and reliable performance in extreme environments up to 550°C, including:

- Patented Metal-to-Metal Seals
- High-Temperature Resistance (to 550°C and higher)
- Compact Design for Confined Spaces
- Smart Design to Eliminate Load Losses
- Secondary Backup Release Mechanism (Sacrificial Ring)
- Rapid Assembly and Disassembly Capability
- User-Friendly and Safe Operation

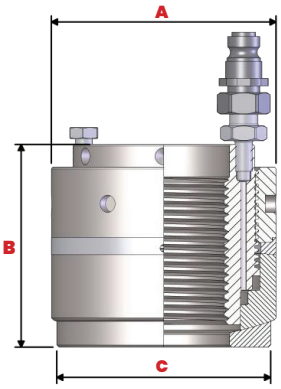




Specifications

Model Part #	Thread Size	Force (kN)	(A) Nut OD (mm)	(B) Height (mm)	Stroke (mm)	(C) Washer Diameter	Weight (kg)
H-EZI-M24X25	M24	380.1	Ø74.0	87.2	8	Ø71.0	2.41
H-EZI-I100X8U	1	380.1	Ø74.0	87.2	8	Ø71.0	2.41
H-EZI-I102X8U	1.125	390	Ø77.0	87	8	Ø74.0	2.56
H-EZI-M30X35	M30	400	Ø80.0	87.9	8	Ø77.0	2.72
H-EZI-I104X8U	1.25	400	Ø80.0	87.9	8	Ø77.0	2.72
H-EZI-I106X8U	1.375	410	Ø83.0	88.7	8	Ø80.0	2.91
H-EZI-M36X40	M36	455.9	Ø90.0	89.2	8	Ø87.0	3.4
H-EZI-I108X8U	1.5	455.9	Ø90.0	89.2	8	Ø87.0	3.4
H-EZI-I110X8U	1.625	542	Ø97.0	90.6	8	Ø94.0	3.97
H-EZI-M42X45	M42	635.6	Ø103.0	91.1	8	Ø100.0	4.52
H-EZI-I112X8U	1.75	635.6	Ø103.0	91.1	8	Ø100.0	4.52
H-EZI-M48X50	M48	845.2	Ø117.0	91.9	8	Ø114.0	5.88
H-EZI-I200X8U	2	845.2	Ø117.0	91.9	8	Ø114.0	5.88
H-EZI-M56X55	M56	1084.6	Ø132.0	96.5	8	Ø129.0	7.77
H-EZI-I204X8U	2.25	1084.6	Ø132.0	96.5	10	Ø129.0	7.77
H-EZI-I208X8U	2.5	1353.7	Ø146.0	103.4	10	Ø143.0	10.26
H-EZI-M64X60	M64	1353.7	Ø146.0	103.4	10	Ø143.0	10.26
H-EZI-I212X8U	2.75	1495.3	Ø148.0	105.7	10	Ø145.0	10.55
H-EZI-M72X60	M72	1792.8	Ø163.0	108.4	10	Ø160.0	10.55
H-EZI-I300X8U	3	1792.8	Ø163.0	108.4	10	Ø160.0	13.14
H-EZI-M80X60	M80	2044.2	Ø172.0	110.3	10	Ø169.0	15.83
H-EZI-I308X8U	3.5	2468.6	Ø188.0	113.3	10	Ø185.0	18.26

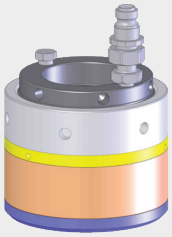
If the standard nut does not fit within your space restrictions or load requirements other models and custom designs are available upon request.



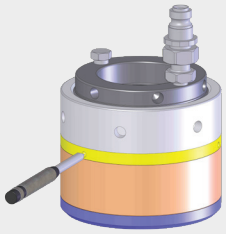
Secondary release mechanism

If the **EziTite® TR High Temperature Hydraulic Nut** is damaged in service (eg. by a misalignment that compromises seal integrity), it can be removed by carefully splitting the Sacrificial Ring.

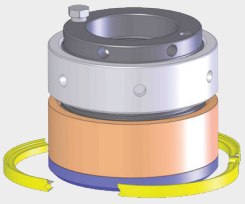
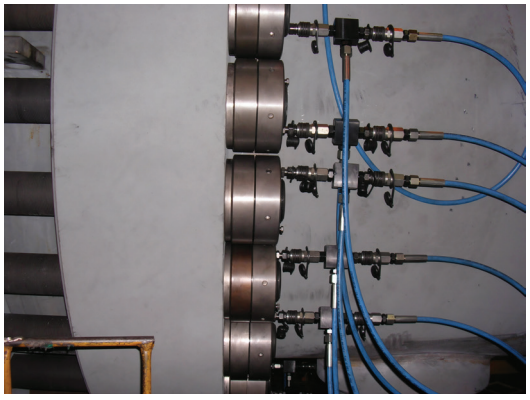
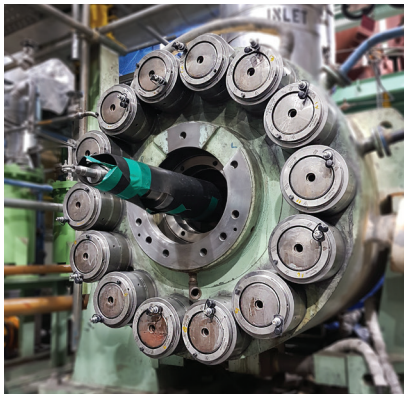
Once this ring is removed, the unit will retract normally for safe removal.



1. Isolate the nut



2. Break the sacrificial ring



3. The nut will now release the load