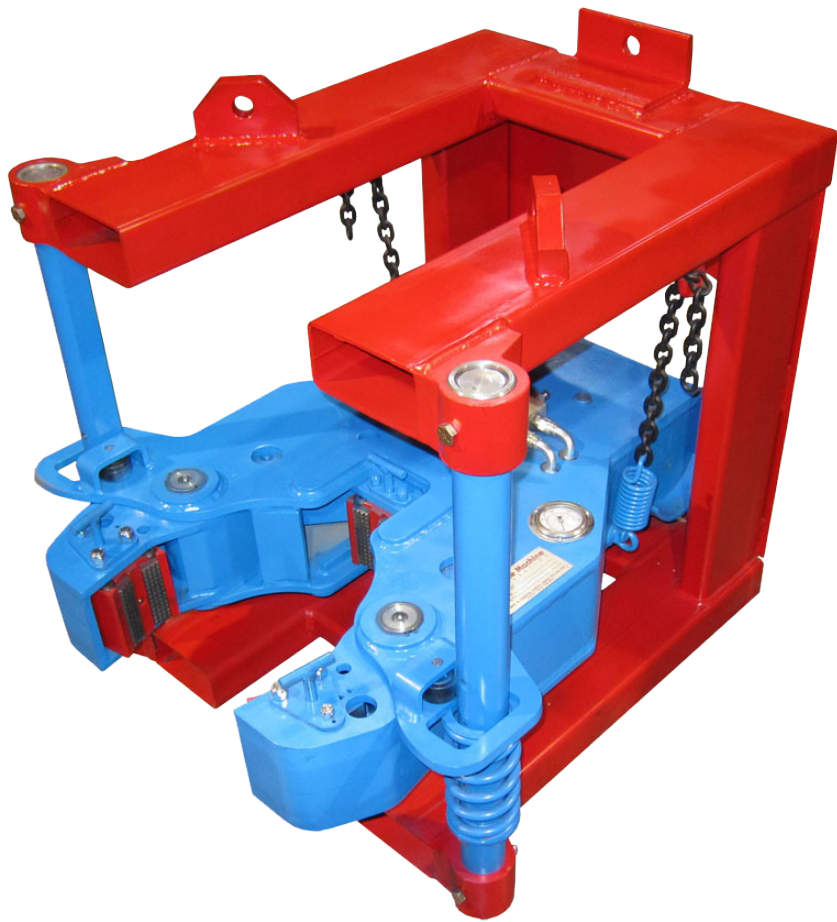
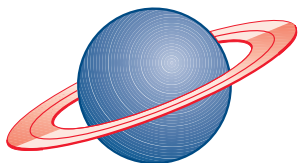


# Hydraulic Backup

STRAIGHT TORQUE from UNIVERSE



- Features:**
- Radial Load Eliminator
  - Tri-Bite Link System
  - Bi-Directional Compressor Load Cell
  - Dual Size Capability



**Universe Machine**  
C O R P O R A T I O N

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# Hydraulic Backup

**Radial Load Eliminator (RLE):** Eliminates radial load on the joint which causes torque to be lost and axial twist through the joint which may result in cross threading damage

**Dual Size Capability:** On sizes 10-5/8 and up, the backing system incorporates a dual jaw position, which makes the backup capable of biting the casing and the coupling with the same jaws

US Patent: 2,269,393 Canadian Patent: 6,263,763

**Modular:**  
The backup is shown mounted below a Universe power tong but may also be mounted below other tongs

**Bi-Directional Compression Load Cell System Option:** Two load cells which enable the operator to measure torque in both directions

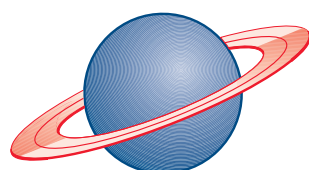
**Tri-Bite Link:**  
The backup utilizes a three jaw biting system providing equal force on all jaws for an optimum bite

**Standard Dies (2 3/8 to 5 1/2), Wraparound**  
Other sizes use insert dies



Size Inches (mm)	Maximum Torque Ft-lbs (kg.m)	Weight Lbs (kg)	Dimensions (WxLxH) Inches - without tong (m)
<b>6</b> (152)	15,000 (2,074)	650 (296)	26-3/8 x 31 x 31-1/2 (0.66 x 0.79 x 0.80)
<b>7-5/8</b> (194)	17,000 (2,035)	700 (329)	23 x 31 x 34 (0.58 x 0.79 x 0.86)
<b>10-5/8</b> (270)	27,000 (3,773)	800 (363)	32-3/8 x 35 x 33-1/2 (0.82 x 0.89 x 0.85)
<b>14-5/8</b> (372)	36,000 (4,977)	1050 (476)	38-1/4 x 33 x 30-1/2 (0.97 x 0.84 x 0.77)

Data is subject to change without notice; visit our website for up to date information.



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MACHINE**  
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