

Hydril® 18-15 WBSR-X Rams

Trust the HMM WBSR-X to shear and seal the toughest pipe, when most needed.

Product Description

The WBSR-X represents the latest generation in shearing performance and continues the Hydril legacy of shearing and sealing a wide range of cables, pipes, and casing when needed most. The novel blade design provides efficient shearing, and significant reduction in shear force, allowing for reduced accumulator capacity, BSEE compliance, and the shearing of larger pipes.

Benefits

Efficient and consistent shearing and sealing of casing, pipe and wireline is a differentiator for high specification rigs. HMM has developed the X version to cut the most difficult pipes, to meet current regulatory requirements as well as challenging operator needs.

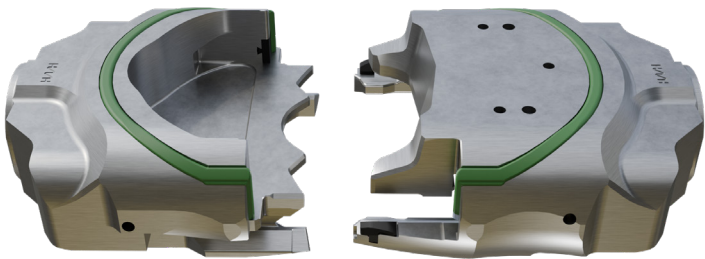
Key Features

In addition to the pipe, casing and wireline shearing capability, the WBSR-X has the following features:

- WBSR-X is a drop in replacement for previous blind shear models
- Broad range of casing and pipes sheared at lower shear pressure
- Patented integral block/blade with a hardened cutting edge for enhanced strength and reliability
- 350F extreme hot temperature rating
- Shear and seal range extended to 14.15" casing



14.15" Q-125 127# casing after WBSR-X shear



Technical Specifications

Shear Pressure (psi)		
Compact Ram Sample	WBSR (psi)	WBSR-X (psi)
5.5" S-135 24.7#	1,145	1,352
6.625" V-150 57#	3,313	3,349
9.625 C-110. 52.4#	2,170	1,434
10.75 Q-125 85#	3,655	2,467
14.15" Q-125 127#	4,182 (from WCSR)	3,148
12.25" 134#	N/A	4,235
16.08 casing	N/A	4,573
Wireline/Slickline	Yes	

Assembly Specification (16A Table 25)	Measurement
Bore (inches)	18 3/4"
Working pressure (psi)	15,000
Hydraulic operating pressure (psi)	5,000
Extreme low temp (°F)	20 (PR2), 10 (PR1)
Continuous hot temp (°F)	210
Extreme hot temp (°F)	350
High T extended duration (°F)	250 (8 hrs)
H ₂ S	20%
CO ₂	5%
NACE Compliant	Yes, including all seal grooves
Metallic (°F)	-20/250
API 16A Compliance status	4th Ed., PR2

