



HEVIHITTER

HYDROMECHANICAL DRILLING JAR

BICO Hevi-Hitter Hydromechanical Drilling Jars are cost effective insurance for many drilling programs. With a properly placed and operated drilling jar, many stuck drill strings can be quickly freed therefore eliminating expensive fishing operations.

Features of the BICO Hevi-Hitter include:

- **Mechanical latch** - eliminates the need to open the jar before running in the hole and effectively eliminates unexpected firing while tripping in and out of the hole.
- **Axial visco jet** - provides consistent hydraulic delays by compensating for hydraulic fluid viscosity changes caused by temperature variance.
- **Rugged spline systems** - for reliable power transfer.
- **Latch release** - can be set so the jar can be run in tension or compression.

| Size | in (mm) | 4-3/4 (121) | 6-1/2 (165) | 6-3/4 E1 (171) | 6-3/4 E2 (171) |
|-----------------------|--------------------------------------|----------------------|----------------------|----------------------|----------------------|
| Bore | in (mm) | 2-1/4 (57) | 2-1/4 (57) | 2-1/2 (64) | 2-3/4 (70) |
| Max Hole Diameter | in (mm) | 7-7/8 (200) | 9-7/8 (251) | 12-1/4 (311) | 12-1/4 (311) |
| Length, Latched | ft (m) | 16.8 (5.1) | 19.5 (5.9) | 19.5 (5.9) | 19.5 (5.9) |
| Weight | lb (kg) | 700 (317) | 1600 (725) | 1850 (840) | 1700 (770) |
| Free Stroke Up | in (mm) | 5 (127) | 4 (102) | 4 (102) | 4 (102) |
| Free Stroke Down | in (mm) | 5 (127) | 6 (152) | 6 (152) | 6 (152) |
| Pump Open | in ² (cm) ² | 2.52 (16.26) | 5.00 (32.26) | 7.66 (49.42) | 6.63 (42.78) |
| Max Length Setting Up | lb (daN) | 55,000 (24,200) | 135,00 (60,100) | 145,000 (64,600) | 145,000 (64,600) |
| Down Latch Ratio | Down/ Up | 56% | 67% | 67% | 67% |
| Max Pull | lb (daN) | 75,000 (33,400) | 176,000 (78,300) | 203,000 (90,500) | 203,000 (90,500) |
| Max Impact | lb (daN) | 270,000 (120,200) | 572,000 (254,700) | 610,000 (271,700) | 610,000 (271,700) |
| Max Torque Transfer | lb-ft (Nm) | 15,100 (20,470) | 32,650 (44,270) | 34,300 (46,500) | 29,400 (39,860) |



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