



Bay #4, 4452 – 64th Avenue S.E
 Calgary T2C 2B3
 Canada
 Office: (403)-720-6299

www.mazzinc.com

Mazz Hydraulic Mechanical Drilling Jar (MZ-HMJ)

The MZ-HMJ Jar is a combination Drilling Jar which can be run as a straight Mechanical, Hydraulic Mechanical, or Straight Hydraulic. The Drilling Jar features a Mechanical Lock to prevent Premature Jarring and is preset prior to being shipped to location with no need for an additional safety clamp during transportation or handling. The Mechanical Jar is run with a Mechanical Latch and works strictly on the Preset Latch Setting. The Hydraulic Mechanical Jar is run also with the Mechanical Latch but has a Hydraulic Delay when jarring up and a mechanical force down. The Straight Hydraulic does not utilize a mechanical lock, stroking freely for light string operations and requires a safety clamp during transportation and handling.

Features of the MZ-HMJ

- Carbide Internal and External Coatings stands up to brines and chlorides
- Spline system stands up to extreme torsional loads
- Can be run in all Vertical, Directional and Horizontal Applications
- Efficiently run in both Tension and Compression
- Hydraulic delays energize drill string during jarring loads and accelerators jarring force
- Long life components to minimize costly part repairs and replacements

| Tool O.D. in. (mm) | Tool I.D. in. (mm) | Tool Length ft-in. (m) | Weight lb (Kg) | Latch Setting UP lb. (daN) | Latch Setting DN lb. (daN) | Max Pull For Firing lb (daN) | Max Pull After Firing lb (daN) | Pump Open Area in ² (mm ²) | Torsional Limit ft-lb (Nm) |
|-----------------------|-----------------------|---------------------------|-------------------|-------------------------------|-------------------------------|---------------------------------------|-----------------------------------------|---------------------------------------------------------|----------------------------------|
| 3 1/2" (89) | 1.25 (32) | 20' - 9" (8.99) | 253 (115) | 35,000 (15,570) | 15,000 (6670) | 55,000 (24,465) | 230,000 (89,000) | 6.49 (4188) | 6500 (8815) |
| 4 3/4" (121) | 2.25 (57) | 20' - 7" (6.32) | 834 (378) | 40,000 (17,800) | 18,000 (8165) | 83,000 (36,900) | 305,000 (135,650) | 11.79 (7609) | 18,000 (24,400) |
| 5" (127) | 2.25 (57) | 20' - 9" (8.99) | 808 (366) | 40,000 (17,800) | 18,000 (8165) | 83,000 (36,900) | 320,000 (142,300) | 11.79 (7609) | 21,500 (29,150) |
| 6 1/2" (165) | 2.75 (70) | 20' - 7" (6.32) | 1600 (726) | 100,000 (44,500) | 60,000 (26,700) | 150,000 (66,700) | 530,000 (235,750) | 21.65 (13,967) | 32,000 (43,390) |
| 8 " (203) | 2.81 (71) | 21' - 4" (6.51) | 2290 (1039) | 100,000 (44,500) | 60,000 (26,700) | 275,000 (122,320) | 1,200,000 (533,760) | 33.18 (21,410) | 55,000 (74,600) |
| 9 1/2" (241) | 3.00 (76) | 21' - 11" (6.68) | 3300 (1500) | 100,000 (44,500) | 60,000 (26,700) | 275,000 (122,320) | 1,650,000 (733,920) | 37.15 (23,970) | 110,000 (149,160) |