

Baten™ drilling jars remain one of the toughest and most durable in the industry. The two way action of the jar gives the operator the ability to work the tool both, upwards and downwards. Three different jarring configurations are available, depending on the drilling application. TAQA's proprietary internal mechanical latch assures that the jar will not accidentally fire while tripping or making connections.

## DOUBLE ACTING HYDRA-MECHANICAL

**MAX TEMPERATURE**  
 Regular Seals: 121°C  
 Hot Hole Seals: 207°C  
 Geo Seals: 207°C + Steam

### METRIC UNITS

| OD (mm) | ID (mm) | Length (m) | Weight (kg) | Free Stroke Up (cm) | Free Stroke Down (cm) | Pump Open Area (cm <sup>2</sup> ) | Latch Setting Up (daN)* | Latch Setting Down (daN)* | Max Load Up During Hydraulic Delay (daN) | Max Load Down During Hydraulic Delay (daN) | Overpull to Yield (daN) | Torsional Yield (N-m) |
|---------|---------|------------|-------------|---------------------|-----------------------|-----------------------------------|-------------------------|---------------------------|--|--|-------------------------|-----------------------|
| 105     | 51      | 5.79       | 272         | 15.2                | 15.2                  | 50.32                             | 16,000 - 20,000         | 7,000 - 11,000            | 51,155                                   | 22,241                                     | 84,516                  | 18,981                |
| 127     | 57      | 5.79       | 363         | 15.2                | 15.2                  | 71.0                              | 13,000 - 18,000         | 8,000 - 12,000            | 37,365                                   | 22,241                                     | 169,032                 | 23,049                |
| 127**   | 58      | 5.79       | 363         | 15.2                | 15.2                  | 71.0                              | 13,000 - 18,000         | 8,000 - 12,000            | 37,365                                   | 22,241                                     | 169,032                 | 23,049                |
| 165     | 64      | 5.33       | 726         | 12.7                | 15.2                  | 108.4                             | 35,000 - 49,000         | 18,000 - 28,000           | 69,392                                   | 44,482                                     | 304,703                 | 54,233                |
| 171     | 70      | 6.10       | 680         | 15.2                | 15.2                  | 120.6                             | 30,000 - 49,000         | 18,000 - 28,000           | 79,623                                   | 66,723                                     | 316,713                 | 61,012                |
| 178     | 70      | 6.10       | 680         | 15.2                | 15.2                  | 120.6                             | 30,000 - 49,000         | 18,000 - 28,000           | 79,623                                   | 66,723                                     | 316,713                 | 61,012                |
| 203     | 71      | 5.79       | 1,066       | 15.2                | 22.9                  | 181.9                             | 36,000 - 49,000         | 20,000 - 28,000           | 129,443                                  | 80,068                                     | 511,545                 | 92,196                |
| 210     | 71      | 5.94       | 1,089       | 15.2                | 22.9                  | 181.9                             | 36,000 - 49,000         | 20,000 - 28,000           | 129,443                                  | 80,068                                     | 511,545                 | 92,196                |
| 241     | 71      | 5.94       | 1,497       | 15.2                | 22.9                  | 214.2                             | 36,000 - 53,000         | 20,000 - 30,000           | 160,581                                  | 88,964                                     | 667,233                 | 191,171               |
| 254     | 76      | 5.94       | 1,814       | 15.2                | 22.9                  | 214.2                             | 36,000 - 53,000         | 20,000 - 30,000           | 177,929                                  | 97,861                                     | 667,233                 | 230,489               |

\*Recommended settings. Contact local TAQA representative if locks need to be adjusted outside these limits.

\*\*Larger internal diameter

\*\*\*Low pump open area option available for 203mm, 210mm and 241mm

### CONFIGURATION

Fire Up: Hydraulic

Fire Down: Hydraulic

Safety Mechanism: Internal Latch