# ROCK XTREME®

r Bit, Smaller Hammer, Bigger Impact

## Who says the next big thing in drilling can't be small?

Center Rock's Rock Xtreme® bits and hammers deliver undisputable performance and profitability in even the most challenging operating conditions.

Our bits – with 50% more actual spline area and no exhaust tube – weigh up to 60% less versus competitive offerings. That means optimum economy, reliability, and durability... and far less rig vibration during drilling, drastically reducing your downtime labor and replacement part costs!

**CENTER ROCK**
**Our technology optimizes your impact.**

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CRI CENTER ROCK INC

**Drill faster.**
**Run harder.**
**Work smarter.**

breakthrough innovation and technology • superior products and services • outstanding technical support • genuine drilling expertise

| | RCX45 - STD | | RCX55 - STD | | RX55 - STD | | RX60 - STD | | RX65 - STD | | RX70-STD | | RX80 - STD | | RX120- STD | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 91002323 | | 91001422 | | 91001307 | | 91001245 | | 91001205 | | 91002722 | | 91001332 | | 91002560 | |
| | RCX45 w/4 Remet Box Connection | | RCX55 w/4-1/2 Remet Box Connection | | RX55 w/3-1/2 API Reg Pin Connection & Cutting Backhead | | RX60 w/3-1/2 API Reg Pin Connection | | RX65 w/3-1/2 API Reg Pin Connection & Cutting Backhead | | RX70 w/4-1/2 API Reg Pin Connection | | RX80 w/4-1/2 API Reg Pin Connection | | RX120 w/6-5/8 API Reg Pin Connection | |
| APPLICATION SUITABILITY | | | | | | | | | | | | | | | | |
| Geotechnical/Foundation | | | | | | | | | | | | | | | | |
| Waterwell/Geothermal | | | | | ✓ | | ✓ | | | | ✓ | | ✓ | | ✓ | |
| Quarry/Mining | | | | | ✓ | | ✓ | | ✓ | | ✓ | | ✓ | | ✓ | |
| Mineral Exploration | ✓ | | ✓ | | | | | | | | | | | | | |
| Oil/Gas | | | | | | | ✓ | | | | ✓ | | ✓ | | ✓ | |
| AVAILABLE OPTIONS: | | | | | | | | | | | | | | | | |
| Bit Retainer | | | | | | | | | | | | | ✓ | | ✓ | |
| GENERAL SPECIFICATIONS: | Imperial | Metric | Imperial | Metric | Imperial | Metric | Imperial | Metric | Imperial | Metric | Imperial | Metric | Imperial | Metric | Imperial | Metric |
| Connection | 4 Remet Box | | 4-1/2 Remet Box | | 3-1/2 API Reg Pin | | 3-1/2 API Reg Pin | | 3-1/2 API Reg Pin | | 4-1/2 API Reg Pin | | 4-1/2 API Reg Pin | | 6-5/8 API Reg Pin | |
| Bit Shank | RCX45 | | RCX55 | | RX5 | | RX6 | | RX6 | | RX7 | | RX8 | | RX120 | |
| Reversible Casing | No | | No | | No | | No | | No | | No | | Yes | | Yes | |
| Outside Diameter (in/mm) | 4.56 | 115.8 | 5.25 | 133.4 | 5.00 | 127.0 | 5.60 | 142.2 | 5.88 | 149.4 | 6.88 | 174.80 | 7.13 | 181.1 | 11.20 | 284.5 |
| Length w/o Bit Shoulder to Shoulder (in/mm) | 35.2 | 894.6 | 35.2 | 894.3 | 30.50 | 773.9 | 30.90 | 784.9 | 30.90 | 784.9 | 34.30 | 872.00 | 35.50 | 900.4 | 46.7 | 1186.9 |
| Length w/Bit Extended (in/mm) | 38.5 | 977.4 | 38.1 | 968.5 | 34.50 | 877.1 | 34.40 | 873.8 | 34.40 | 873.8 | 39.00 | 989.30 | 40.20 | 1020.6 | 52.5 | 1333.8 |
| Length w/Bit Retracted (in/mm) | 37.1 | 942.3 | 36.9 | 938.3 | 33.40 | 847.1 | 33.40 | 848.4 | 33.40 | 848.4 | 37.40 | 949.20 | 38.90 | 987.6 | 50.4 | 1280.9 |
| Weight w/o Bit (pds/kgs) | 108 | 49.1 | 132 | 60.0 | 124.00 | 56.4 | 153.00 | 69.5 | 173.00 | 78.6 | 264.00 | 120.00 | 289.00 | 131.4 | 933 | 424.1 |
| Backhead Across Flats (in.) | 1-3/4 x 3.35 AF | | 1-3/4 x 4-1/4 AF | | 1-3/4 x 4 AF | | 2 x 4 AF | | 2 x 4 AF | | 2-1/2 x 5 AF | | 1-3/4 x 5-5/8 AF | | 2-1/4 x 10 AF | |
| Minimum Bit Size (in/mm) | 4.75 | 120.7 | 5.50 | 139.7 | 5.50 | 139.7 | 6.13 | 155.7 | 6.50 | 165.1 | 7.88 | 200.20 | 7.88 | 200.2 | 12.25 | 311.2 |
| Maximum Bit Size (in/mm) | 5.50 | 139.7 | 6.00 | 152.4 | 6.00 | 152.4 | 6.75 | 171.5 | 6.75 | 171.5 | 8.88 | 225.60 | 10.00 | 254.0 | 22.00 | 558.8 |
| Bore (in/mm) | 3.960 | 100.58 | 4.500 | 114.3 | 4.125 | 104.78 | 4.625 | 117.48 | 4.625 | 117.48 | 5.637 | 143.18 | 5.875 | 149.23 | 9.50 | 241.30 |
| Piston Weight (pds/kgs) | 22.1 | 10 | 30 | 13.6 | 29.00 | 13.2 | 35.00 | 15.9 | 35.00 | 15.9 | 58.10 | 26.40 | 72.60 | 33.0 | 239 | 108.6 |
| Stroke (in/mm) | 3.25 | 82.6 | 3.25 | 82.6 | 3.25 | 82.6 | 3.50 | 88.9 | 3.50 | 88.9 | 3.50 | 88.90 | 3.50 | 88.9 | 3.50 | 88.9 |
| Maximum Pressure Differential (psig/bar) | 500.0 | 34.5 | 500.0 | 34.5 | 500.0 | 34.5 | 350.0 | 24.1 | 350.0 | 24.1 | 350.0 | 24.10 | 350.00 | 24.1 | 350.00 | 24.1 |
| Maximum Choke Diameter (in/mm) | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.0 | 0.38 | 9.53 | 0.38 | 9.53 | 0.53 | 13.46 | 0.88 | 22.23 | 0.88 | 22.23 |
| Make-up Torque (ft-lb / N-m) | 4500 | 6093 | 5000 | 6770 | 5000 | 6770 | 6000 | 8124 | 6000 | 8124 | 7000 | 9478 | 8000 | 10832 | 12000 | 16248 |
| AIR CONSUMPTION: | | | | | | | | | | | | | | | | |
| 100 psi/6,9 bar (scfm / m^3/min) | 140 | 4.0 | 155 | 4.4 | 155 | 4.4 | 305 | 8.6 | 305 | 8.6 | 265 | 7.5 | 358 | 10.1 | 804 | 22.7 |
| 100 psi (bpm) | 1350 | 1350 | 1350 | 1350 | 1116 | 1116 | 1461 | 1461 | 1461 | 1461 | 1065 | 1068 | 830 | 830 | 585 | 585 |
| 150 psi/10,3 bar (scfm / m^3/min) | 231 | 6.5 | 257 | 7.3 | 257 | 7.3 | 431 | 12.2 | 431 | 12.2 | 442 | 12.50 | 571 | 16.1 | 1248 | 35.3 |
| 150 psi (bpm) | 1532 | 1532 | 1532 | 1532 | 1266 | 1266 | 1576 | 1576 | 1576 | 1576 | 1294 | 1294 | 947 | 947 | 695 | 695 |
| 200 psi/13,8 bar (scfm / m^3/min) | 337 | 9.5 | 374 | 10.6 | 374 | 10.6 | 561 | 15.8 | 561 | 15.8 | 649 | 18.30 | 808 | 22.8 | 1680 | 47.5 |
| 200 psi (bpm) | 1695 | 1695 | 1695 | 1695 | 1401 | 1401 | 1691 | 1691 | 1691 | 1691 | 1502 | 1502 | 1063 | 1063 | 805 | 805 |
| 250 psi/17,2 bar (scfm / m^3/min) | 457 | 12.9 | 508 | 14.3 | 508 | 14.3 | 695 | 19.6 | 695 | 19.6 | 886 | 25.00 | 1067 | 30.2 | 2100 | 59.3 |
| 250 psi (bpm) | 1840 | 1840 | 1840 | 1840 | 1521 | 1521 | 1806 | 1806 | 1806 | 1806 | 1690 | 1690 | 1180 | 1180 | 915 | 915 |
| 300 psi/20,7 bar (scfm / m^3/min) | 591 | 16.7 | 657 | 18.6 | 657 | 18.6 | 832 | 23.5 | 832 | 23.5 | 1152 | 32.50 | 1350 | 38.1 | 2508 | 70.8 |
| 300 psi (bpm) | 1967 | 1967 | 1967 | 1967 | 1626 | 1626 | 1921 | 1921 | 1921 | 1921 | 1860 | 1860 | 1297 | 1297 | 1025 | 1025 |
| 350 psi/24,1 bar (scfm / m^3/min) | 739 | 20.9 | 822 | 23.2 | 822 | 23.2 | 973 | 27.5 | 973 | 27.5 | 1447 | 40.90 | 1656 | 46.8 | 2904 | 82.0 |
| 350 psi (bpm) | 2076 | 2076 | 2076 | 2076 | 1716 | 1716 | 2036 | 2036 | 2036 | 2036 | 2010 | 2010 | 1414 | 1414 | 1135 | 1135 |