

ROCK XTREME®

SMALLER BIT, SHORTER 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 in the most challenging conditions. A high frequency air cycle has been incorporated into a short, lightweight hammer to give drillers the ultimate in productivity. RX bits have 50% more actual spline area and no exhaust tube and weigh up to 60% less versus competitive offerings. That means optimum economy, reliability, and durability driving greater profitability to the bottom line.

CENTER ROCK
We make rock disappear!

Phone: 814.267.7100

CENTERROCK.COM



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

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

MODEL	RX45 - STD	RX45	RX50	RX55 - STD	RX55 HD	RX60 - STD	RX65 - STD	RX70-STD	RX80 - STD	RX120-STD
DESCRIPTION	RX45 w/4 Remet Box Connection	RX45 w/2-7/8 API reg pin & cutting backhead	RX50 w/3-1/2 API reg pin and cutting backhead	RX55 w/4-1/2 Remet Box Connection	RX55HD w/3-1/2 API reg pin & 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
Connection	4 Remet Box		3-1/2 API Reg Pin	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	RX45	RX4	RX5	RX55	RX5	RX6	RX6	RX7	RX8	RX120
Outside Diameter (in/mm)	4.56 / 115.8	4.25 / 108.0	4.88 / 124.0	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)	35.20 / 894.6	30.54 / 775.7	30.91 / 785.1	35.20 / 894.3	30.91 / 785.1	30.90 / 784.9	30.90 / 784.9	34.30 / 872.00	35.50 / 900.4	46.70 / 1186.9
Length w/Bit Extended (in/mm)	36.50 / 927.4	34.29 / 871.0	34.65 / 880.1	38.10 / 968.5	34.65 / 880.1	34.40 / 873.8	34.40 / 873.8	39.00 / 989.30	40.20 / 1020.6	52.50 / 1333.8
Length w/Bit Retracted (in/mm)	37.10 / 942.3	33.02 / 838.7	33.41 / 848.6	36.90 / 938.3	33.41 / 848.6	33.40 / 848.4	33.40 / 848.4	37.40 / 949.20	38.90 / 987.6	50.40 / 1280.9
Weight w/o Bit (pds/kgs)	108.00 / 48.1	91.33 / 41.1	116.50 / 52.4	132.00 / 60.0	124.30 / 55.9	153.00 / 69.5	173.00 / 78.6	264.00 / 120.00	288.00 / 131.4	933 / 424.1
Backhead Across Flats (in.)	1-3/4 x 3.35 AF	1.5 x 2.25 AF	1.75 x 3.88 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	4.50 / 114.3	5.38 / 136.6	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	5.00 / 127.0	6.00 / 152.4	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)	3.96 / 100.58	3.25 / 82.6	4.13 / 104.8	4.50 / 114.3	4.13 / 104.8	4.625 / 117.48	4.625 / 117.48	5.637 / 143.18	5.875 / 149.23	9.50 / 241.30
Piston Weight (pds/kgs)	22.10 / 10	18.13 / 8.2	29.00 / 13.2	30.00 / 13.6	29.00 / 13.2	35.00 / 15.9	35.00 / 15.9	58.10 / 26.40	72.60 / 33.0	239.00 / 108.6
Stroke (in/mm)	3.25 / 82.6	4.70 / 119.4	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)	500.00 / 34.5	500.00 / 34.5	500.00 / 34.5	500.00 / 34.5	500.00 / 34.5	350.00 / 24.1	350.00 / 24.1	350.00 / 24.1	350.00 / 24.1	350.00 / 24.1
Maximum Choke Diameter (in/mm)	0.00 / 0.00	0.00 / 0.00	0.00 / 0.00	0.00 / 0.00	0.00 / 0.00	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	4000 / 5416	5000 / 6770	5000 / 6770	5000 / 6770.0	6000 / 8124	6000 / 8124	7000 / 9478	8000 / 10832	12000 / 16248
AIR CONSUMPTION:	Imperial	Metric	Imperial	Metric	Imperial	Metric	Imperial	Metric	Imperial	Metric
100 psi/6.9 bar (scfm / m ³ /min)	140 / 4.0	140 / 4.0	155 / 4.4	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	1350 / 1350	1116 / 1116	1461 / 1461	1461 / 1461	1220 / 1220	830 / 830	585 / 585
150 psi/10.3 bar (scfm / m ³ /min)	231 / 6.5	231 / 6.5	257 / 7.6	257 / 7.3	257 / 7.6	431 / 12.2	431 / 12.2	460 / 13.0	571 / 16.1	1248 / 35.3
150 psi (bpm)	1532 / 1532	1532 / 1532	1266 / 1266	1532 / 1532	1266 / 1266	1576 / 1576	1576 / 1576	1440 / 1440	947 / 947	695 / 695
200 psi/13.8 bar (scfm / m ³ /min)	337 / 9.5	337 / 9.5	374 / 10.6	374 / 10.6	374 / 10.6	561 / 15.8	561 / 15.8	657 / 18.6	808 / 22.8	1680 / 47.5
200 psi (bpm)	1695 / 1695	1695 / 1695	1401 / 1401	1695 / 1695	1401 / 1401	1691 / 1691	1691 / 1691	1634 / 1634	1063 / 1063	805 / 805
250 psi/17.2 bar (scfm / m ³ /min)	457 / 12.9	457 / 12.9	508 / 14.3	508 / 14.3	508 / 14.3	695 / 19.6	695 / 19.6	847 / 24.0	1067 / 30.2	2100 / 59.3
250 psi (bpm)	1840 / 1840	1840 / 1840	1521 / 1521	1840 / 1840	1521 / 1521	1806 / 1806	1806 / 1806	1789 / 1789	1180 / 1180	915 / 915
300 psi/20.7 bar (scfm / m ³ /min)	591 / 16.7	591 / 16.7	657 / 18.6	657 / 18.6	657 / 18.6	832 / 23.5	832 / 23.5	912 / 50.7	1350 / 38.1	2908 / 70.8
300 psi (bpm)	1967 / 1967	1967 / 1967	1626 / 1626	1967 / 1967	1626 / 1626	1921 / 1921	1921 / 1921	1517 / 1517	1297 / 1297	1025 / 1025
350 psi/24.1 bar (scfm / m ³ /min)	739 / 20.9	739 / 20.9	822 / 23.2	822 / 23.2	822 / 23.2	973 / 27.5	973 / 27.5	1125 / 31.9	1656 / 46.8	2904 / 82.0
350 psi (bpm)	2076 / 2076	2076 / 2076	1716 / 1716	2076 / 2076	1716 / 1716	2036 / 2036	2036 / 2036	1690 / 1690	1414 / 1414	1135 / 1135