

MODEL	RCX45 - STD		RX45 - STD		RX50		RCX55 - STD		RX55 - STD		RX55 - TW		RX60 - STD		RX65 - STD		RX70-STD		RX80 - STD		RX120- STD		RX120-RET		
DESCRIPTION	RCX45 w/4 Remet Box Connection		RX45 w/2-7/8 API reg pin connection & cutting backhead		RX50 w/3-1/2 API reg pin connection & cutting backhead		RCX55 w/ 4-1/2 Remet Box Connection		RX55 w/3-1/2 API reg pin connection & cutting backhead		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/3-1/2 API reg pin connection & cutting backhead		RX80 w/4-1/2 API reg pin connection		RX120 w/6-5/8 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:																									
Connection		4 Remet Box		2-7/8 API Reg Pin		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		3-1/2 API Reg Pin		4-1/2 API Reg Pin		4-1/2 API Reg Pin		6-5/8 API Reg Pin		6-5/8 API Reg Pin	
Bit Shank		RCX40		RX40		RX50		RCX50		RX50		RX50		RX60		RX60		RX70		RX80		RX120		RX120	
Reversible Casing		No		No		No		No		No		No		No		No		No		No		No		No	
Outside Diameter (in/mm)		4.56	115.8	4.25	108.0	4.88	124.0	5.25	133.4	5.00	127.0	5.13	130.3	5.60	142.2	5.88	149.4	6.88	174.8	7.13	181.1	11.20	284.5	11.20	284.5
Length w/o Bit Shoulder to Shoulder (in/mm)		35.5	901.7	30.8	782.3	30.50	773.9	35.2	894.3	30.50	773.9	30.50	773.9	30.90	784.9	30.90	784.9	34.3	872.0	35.50	900.4	46.7	1186.9	46.7	1186.9
Length w/Bit Extended (in/mm)		38.6	980.4	34.3	871.2	34.50	877.1	38.1	968.5	34.50	877.1	34.50	877.1	34.40	873.8	34.40	873.8	39.0	989.3	40.20	1020.6	52.5	1333.8	52.5	1333.8
Length w/Bit Retracted (in/mm)		37.2	944.9	33.3	845.8	33.40	847.1	36.9	938.3	33.40	847.1	33.40	847.1	33.40	848.4	33.40	848.4	37.4	949.5	38.90	987.6	50.4	1280.9	50.4	1280.9
Weight w/o Bit (pds/kgs)		102	46.3	92	41.7	124.00	56.4	132	60.0	124.00	56.4	124.00	56.4	153.00	69.5	173.00	78.6	272.7	123.7	289.0	131.4	933	424.1	933	424.1
Backhead Across Flats (in.)		1-3/4 x 3.35 AF		1-3/4 x 2.95 AF		1-3/4 x 4 AF		1-3/4 x 4-1/4 AF		1-3/4 x 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		2-1/4 x 10 AF	
Minimum Bit Size (in/mm)		4.75	120.7	4.50	114.3	5.13	130.3	5.50	139.7	5.25	133.4	5.38	136.7	6.13	155.7	6.50	165.1	7.13	181.1	7.88	200.2	12.25	311.2	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	6.00	152.4	6.75	171.5	6.75	171.5	8.88	225.6	10.00	254.0	22.00	558.8	22.00	558.8
Bore (in/mm)		3.96	100.58	3.25	82.6	4.125	104.78	4.500	114.3	4.125	104.78	4.125	104.78	4.625	117.48	4.625	117.48	5.637	143.2	5.875	149.23	9.50	241.30	9.50	241.30
Piston Weight (pds/kgs)		24.4	11.1	18.1	8.2	29.00	13.2	30	13.6	29.00	13.2	29.00	13.2	35.00	15.9	35.00	15.9	62.1	28.2	72.60	33.0	239	108.6	239	108.6
Stroke (in/mm)		3.25	82.6	3.50	88.9	3.25	82.6	3.25	82.6	3.25	82.6	3.25	82.6	3.50	88.9	3.50	88.9	3.00	76.2	3.50	88.9	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	500.0	34.5	500.0	34.5	500.0	34.5	350.0	24.1	350.0	24.1	350.0	24.1	350.00	24.1	350.00	24.1	350.00	24.1
Maximum Choke Diameter (in/mm)		0.00	0.00	0.25	6.4	0.38	9.53	0.00	0.00	0.38	9.53	0.38	9.53	0.38	9.53	0.38	9.53	0.38	9.53	0.88	22.23	0.88	22.23	0.88	22.23
Make-up Torque (ft-lb / N-m)		4500	6093	4000	5423	5000	6770	5000	6770	5000	6770	5000	6770	6000	8124	6000	8124	7000	9491	8000	10832	12000	16248	12000	16248
AIR CONSUMPTION:																									
100 psi/6,9 bar (scfm / m^3/min)		255	7.2	178	5.0	206	5.8	202	5.7	206	5.8	206	5.8	346	9.8	346	9.8	307	8.7	256	7.2	362	10.2	362	10.2
100 psi (bpm)		1325	1325	1288	1288	1219	1219	1281	1281	1219	1219	1219	1219	1126	1126	1126	1126	1236	1236	1013	1013	848	848	848	848
150 psi/10,3 bar (scfm / m^3/min)		370	10.5	287	8.1	340	9.6	335	9.5	340	9.6	340	9.6	437	12.3	437	12.3	476	13.4	392	11.1	562	15.9	562	15.9
150 psi (bpm)		1572	1572	1535	1535	1450	1450	1473	1473	1450	1450	1450	1450	1325	1325	1325	1325	1446	1446	1131	1131	977	977	977	977
200 psi/13,8 bar (scfm / m^3/min)		475	13.5	406	11.5	485	13.7	460	13.0	485	13.7	485	13.7	543	15.3	543	15.3	641	18.1	531	15.0	977	27.6	977	27.6
200 psi (bpm)		1789	1789	1766	1766	1651	1651	1646	1646	1651	1651	1651	1651	1503	1503	1503	1503	1629	1629	1248	1248	1221	1221	1221	1221
250 psi/17,2 bar (scfm / m^3/min)		569	16.1	530	15.0	525	14.8	575	16.3	525	14.8	525	14.8	633	17.9	633	17.9	804	22.7	672	19.0	1359	38.4	1359	38.4
250 psi (bpm)		1976	1976	1970	1970	1823	1823	1801	1801	1823	1823	1823	1823	1660	1660	1660	1660	1784	1784	1365	1365	1373	1373	1373	1373
300 psi/20,7 bar (scfm / m^3/min)		652	18.5	651	18.4	796	22.5	682	19.3	796	22.5	796	22.5	798	22.5	798	22.5	964	27.2	814	23.0	1699	48.0	1699	48.0
300 psi (bpm)		2133	2133	2148	2148	1976	1976	1939	1939	1976	1976	1976	1976	1796	1796	1796	1796	1913	1913	1483	1483	1489	1489	1489	1489
350 psi/24,1 bar (scfm / m^3/min)		725	20.5	753	21.3	956	27.0	779	22.1	956	27.0	956	27.0	948	26.8	948	26.8	1121	31.7	957	27.0	1982	56.0	1982	56.0
350 psi (bpm)		2260	2260	2299	2299	2114	2114	2058	2058	2114	2114	2114	2114	1911	1911	1911	1911	2015	2015	1600	1600	1582	1582	1582	1582