



X₂T System TM

Patent 7,182,156-D496,948-D505,435-D505,141

Overburden casing system

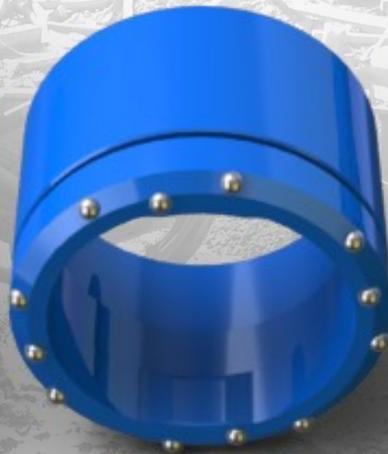
- **Compleat drilling system** (crown, driver and square bit)
- **You can use a bigger hammer in bedrock**
- **Choice of crown configurations**

 Driver Bit

Square Bit



Crown



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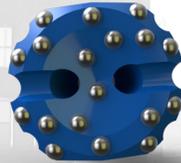
Step 1 : Once the crown has been welded to casing, align the driver between the crown flats.



Step 2 : Lower the driver and turn clockwise to lock the driver with the crown.



Step 3 : Drill through any formation. Direct energy is transferred to the crown by the driver. The driver, the lower part of the crown and the drill string rotate together while the upper part of the crown and the casing do not rotate. (welded together)



Step 4 : Once the casing reaches the rock, turn counter clockwise and pull back the drill string. Install and drill through with the square bit for maximum hole diameter



*** The Xs Drill system is adaptable to any drilling needs and casing sizes. Our engineering team is at your disposal at any time to be consulted and to work with you to develop the best solution to meet your needs**

System	4.500	5.000	5.250	5.500	5.500- B	5.500- C	5.750	6.000	6.625	T 6.625	7.000	7.625	8.625	T 8.625	10.000	10.125
Casing O.D.	114.3 4.500	127 5.000	133.4 5.250	139.7 5.500	139.7 5.500	139.7 5.500	146 5.750	152.4 6.000	168.2 6.625	168.2 6.625	177.8 7.000	193.6 7.625	219 8.625	219 8.625	254 10.000	257.1 10.125
Casing I.D.	104.1 4.100	111.2 4.380	113.5 4.470	129.7 5.106	119.9 4.720	117.7 4.634	130 5.120	132.5 5.220	158.7 6.250	152.4 6.000	163.8 6.450	169.9 6.690	209.5 8.250	203.2 8.000	242 9.528	241 9.490
Wall	5 0.197	7.8 0.310	9.9 0.390	9.9 0.197	9.9 0.390	11 0.433	8 0.315	9.9 0.390	4.7 0.188	7.9 0.312	7 0.275	11.9 0.470	4.7 0.188	7.9 0.312	5.9 0.236	8 0.315
Crown O.D.	131 5.160	141.3 5.565	143.5 5.655	158.7 6.250	150.1 5.916	146 5.750	158.7 6.250	162.5 6.400	190.5 7.500	190.5 7.500	195.5 7.700	201.6 7.940	241.3 9.500	241.3 9.500	285.2 11.230	284.2 11.190
Crown Flats	87.6 3.450	94.7 3.730	94.4 3.720	109.6 4.315	101.6 4.000	96.9 3.815	109.6 4.315	116 4.570	139.7 5.500	139.7 5.500	144.7 5.700	150.8 5.940	190.5 7.500	190.5 7.500	213.8 8.420	212.8 8.380
Square bit O.D.	3.850 3.450	4.130 3.730	4.220 3.720	4.815 4.315	4.470 4.000	4.315 3.815	4.415 4.315	4.970 4.570	6.000 5.500	6.000 5.500	6.200 5.700	6.440 5.940	8.000 7.500	8.000 7.500	9.170 8.420	9.130 8.380
Hammer	3"	4"	4"	4"	4"	4"	4"	5"	6"	6"	6"	6"	6"	6"	8"	8"

System	10.500	10.750	12.750	14.000	16.000	16.500	18.000	20.000	22.000	24.000	26.000	28.000	30.000	32.000	34.000	36.000
Casing O.D.	266.7 10.500	273 10.750	323.8 12.750	355.6 14.000	406.4 16.000	419.1 16.500	457.2 18.000	508 20.000	558.8 22.000	609.6 24.000	660.4 26.000	711.2 28.000	762 30.000	812.8 32.000	863.6 34.000	914.4 36.000
Casing I.D.	241.3 9.500	254 10.000	298.4 11.750	330.2 13.000	387.3 15.250	389.1 15.320	427.2 16.820	482.6 19.000	533.4 21.000	594.2 23.000	635 25.000	685.8 27.000	736.6 29.000	787.4 31.000	838.2 33.000	889 35.000
Wall	12.7 0.500	9.5 0.375	12.7 0.500	12.7 0.500	9.5 0.375	15 0.590	15 0.590	12.7 0.500								
Crown O.D.	284.2 11.190	297.1 11.700	336.5 13.250	381 15.000	431.8 17.000	437.3 17.220	475.4 18.720	533.4 21.000	584.2 23.000	635 25.000	685.8 27.000	736.6 29.000	787.4 31.000	838.2 33.000	889 35.000	939.8 37.000
Crown Flats	212.8 8.380	225.8 8.890	258.8 10.190	288 11.340	341.3 13.440	346.9 13.660	385 15.160	404.8 15.940	455.6 17.940	500 19.690	544.5 21.440	595.3 23.440	633.4 24.940	684.2 26.940	728.7 28.690	773.1 30.440
Square bit O.D.	9.130 8.380	9.640 8.890	11.190 10.190	12.340 11.340	14.440 13.440	14.666 13.660	16.160 15.160	17.940 15.940	19.940 17.940	21.940 19.690	23.940 21.440	25.940 23.440	27.940 24.940	29.940 26.940	31.940 28.690	33.940 30.440
Hammer	8"	8"	8/10"	12"	12"	12"	12"	12"	18"	18"	18"	18"	18"	18"	18"	18"