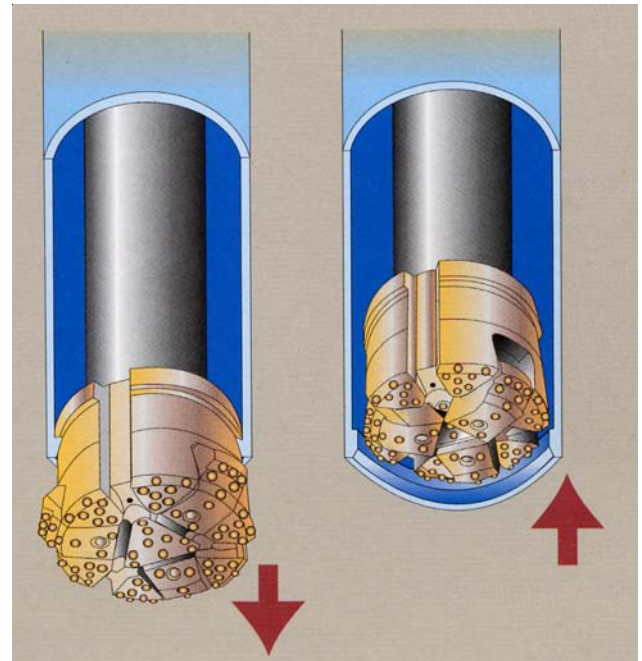


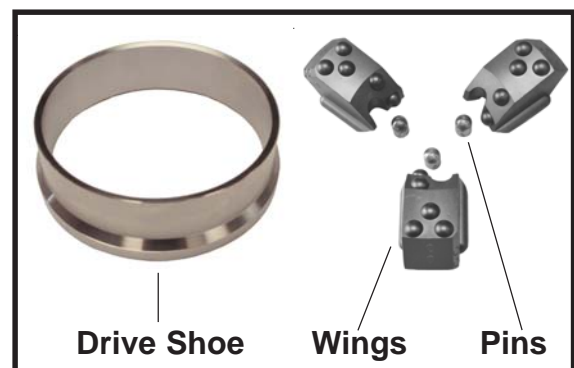
FEATURES

- A revolutionary, new overburden system for simultaneously drilling and casing hole sizes 5-1/2" to 42" (139 mm - 1067 mm) in diameter.
- Designed for top performance in both overburden and solid rock formations.
- Large bit face area for transferring blow energy to the formation yielding faster penetration rates.
- Uniquely designed bit wings extend out further than the casing O.D. when the bit reaches bottom to allow simultaneous drilling and casing.
- The bit can be used to the full operating pressure of the hammer resulting in rapid penetration and minimum drilling time.
- Bit wings retract inside the casing when the hammer is pulled off bottom. No reverse rotation, which can cause unscrewing problems, is required.
- No ring bits or other drilling equipment is left down the hole.



**Drilling
Position**

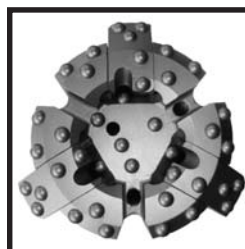
**Retract
Position**



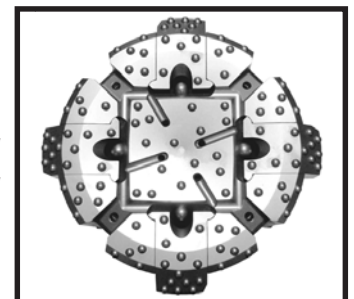
2 Wing
T115 - T165



3 Wing
T190 - T315,
T455, T610



4 Wing
T365 - T410,
T510 - T560,
T660 - T810



Super Jaws[®] - Overburden Drill Bits

SPECIFICATIONS

System	Hammer Model	No. of Wings	Outer Diameter of Bit		Applicable Casing		Drive Shoe Inner Dia.	Weight *
			Expanded	Retracted	Inner Dia.	Outer Dia.		
T115	C40	2	5.827" (148.0 mm)	4.527" (115.0 mm)	5.000" (127.0 mm)	5.500" (139.8 mm)	4.567" (120.0 mm)	54.0 (24.0Kg)
T140	P50	2	7.283" (185.0 mm)	5.550" (141.0 mm)	6.110" (155.2 mm)	6.625" (168.0 mm)	5.591" (142.0 mm)	82.0 (37.3Kg)
T150	P50 P60W/WQ	2	7.750" (197.0 mm)	5.905" (150.0 mm)	6.485" (165.0 mm)	7.000" (178.0 mm)	6.023" (153.0 mm)	75.0 (34.0Kg) 88.0 (40.0Kg)
T165	P60W/WQ	2	8.346" (212.0 mm)	6.500" (165.1 mm)	7.204" (183.0 mm)	7.625" (193.7 mm)	6.575" (167.0 mm)	103.2 (46.8Kg)
T190	P60W/WQ	3	9.329" (237.0 mm)	7.520" (191.0 mm)	8.060" (204.7 mm)	8.625" (219.0 mm)	7.559" (192.0 mm)	122.0 (55.5Kg)
T215	P80	3	10.379" (264.0 mm)	8.385" (213.0 mm)	8.894" (225.9 mm)	9.625" (244.4 mm)	8.465" (215.0 mm)	194.0 (88.1Kg)
T240	P80	3	11.420" (290.0 mm)	9.448" (240.0 mm)	10.000" (254.0 mm)	10.750" (273.0 mm)	9.527" (242.0 mm)	244.0 (110.9Kg)
T280	N100	3	13.410" (341.0 mm)	11.102" (282.0 mm)	11.878" (301.7 mm)	12.750" (324.0 mm)	11.181" (284.0 mm)	381.0 (173.2Kg)
T315	N100 P125	3	14.685" (373.0 mm)	12.402" (315.0 mm)	13.268" (337.0 mm)	14.000" (355.6 mm)	12.480" (317.0 mm)	494.0 (224.1Kg) 580.0 (263.1Kg)
T365	P125	4	16.926" (430.0 mm)	14.370" (365.0 mm)	15.250" (387.4 mm)	16.000" (406.4 mm)	14.449" (367.0 mm)	670.0 (303.9Kg)
T410	P125	4	18.819" (478.0 mm)	16.220" (412.0 mm)	17.125" (435.0 mm)	18.000" (457.2 mm)	16.300" (414.0 mm)	845.0 (384.1Kg)
T455	P125	3	20.867" (530.0 mm)	17.937" (455.0 mm)	19.000" (482.6 mm)	20.000" (508.0 mm)	18.071" (459.0 mm)	920.0 (418.2Kg)
T510	P180	4	22.875" (581.0 mm)	19.921" (506.0 mm)	21.000" (533.4 mm)	22.000" (558.8 mm)	20.158" (512.0 mm)	1837.0 (835.0Kg)
T560	P180 P240	4	24.882" (632.0 mm)	21.890" (556.0 mm)	23.000" (584.2 mm)	24.000" (609.6 mm)	22.126" (560.0 mm)	2112.0 (960.0Kg) 2354.0 (1070.0Kg)
T610	P240	3	26.850" (682.0 mm)	23.812" (605.0 mm)	25.000" (635.0 mm)	26.000" (660.4 mm)	24.133" (609.0 mm)	2727.0 (1239.6Kg)
T660	P240	4	28.859" (733.0 mm)	25.825" (656.0 mm)	27.000" (685.8 mm)	28.000" (711.2 mm)	26.063" (660.0 mm)	3024.0 (1374.6Kg)
T710	P240	4	30.875" (784.0 mm)	27.834" (707.0 mm)	29.000" (736.6 mm)	30.000" (762.0 mm)	28.000" (711.0 mm)	3916.0 (1780.0Kg)
T760	P240	4	32.875" (835.0 mm)	29.842" (758.0 mm)	31.000" (787.4 mm)	32.000" (812.8 mm)	30.000" (762.0 mm)	4562.0 (2073.6Kg)
T810	P240	4	34.882" (886.0 mm)	31.850" (809.0 mm)	33.000" (838.2 mm)	34.000" (863.6 mm)	32.008" (813.0 mm)	4862.0 (2210.0Kg)

Casing specifications required upon placement of order. All casing sizes are nominal.

* Weights are approximate. Other sizes and shanks may be available upon request.



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