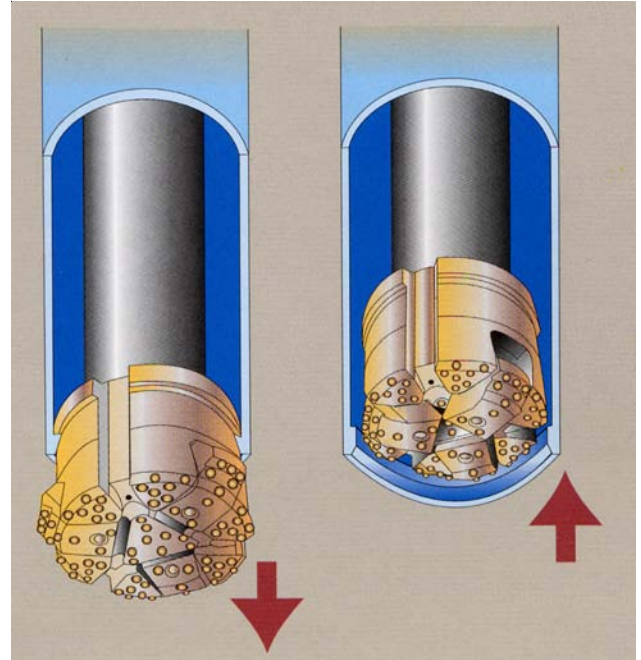


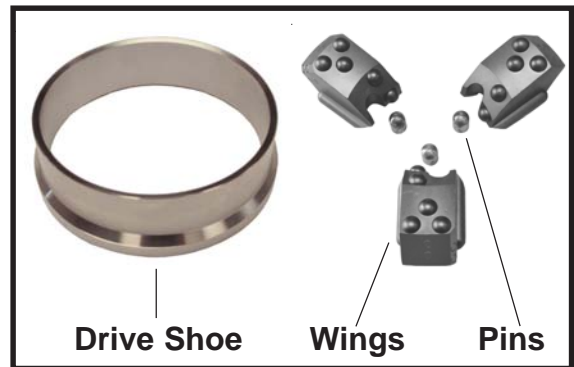
FEATURES

- 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

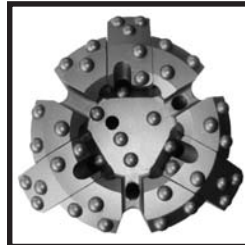
Retract Position



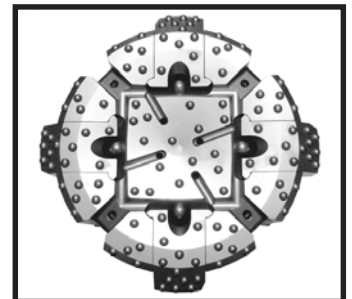
2 Wing
T115 - T165



3 Wing
T190 - T315,
T455, T610



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



Super Jaws[®] - Overburden Drill Bits

SPECIFICATIONS

System	Shank	No. of Wings	Outer Diameter of Bit		Applicable Casing		Drive Shoe Inner Dia.	Weight *
			Expanded	Retracted	Inner Dia.	Outer Dia.		
T115	340A	2	5.827" (148.0mm)	4.527" (115.0mm)	5.000" (127.0mm)	5.500" (139.7mm)	4.567" (116.0mm)	54.0 (24.5Kg)
T140	QL50	2	7.283" (185.0mm)	5.550" (141.0mm)	6.110" (155.2mm)	6.625" (168.3mm)	5.591" (142.0mm)	82.0 (37.2Kg)
T150	QL50 360/QL60	2	7.750" (196.9mm)	5.905" (150.0mm)	6.485" (164.7mm)	7.000" (177.8mm)	6.023" (153.0mm)	72.0 (32.7Kg) 85.0 (38.6Kg)
T165	360/QL60	2	8.346" (212.0mm)	6.500" (165.1mm)	7.204" (183.0mm)	7.625" (193.7mm)	6.575" (167.0mm)	103.2 (46.8Kg)
T190	360/QL60	3	9.329" (237.0mm)	7.520" (191.0mm)	8.060" (204.7mm)	8.625" (219.0mm)	7.559" (192.0mm)	123.0 (55.8Kg)
T215	380	3	10.379" (264.0mm)	8.385" (213.0mm)	8.894" (225.9mm)	9.625" (244.5mm)	8.465" (215.0mm)	194.0 (88.0Kg)
T240	380	3	11.420" (290.0mm)	9.448" (240.0mm)	10.000" (254.0mm)	10.750" (273.0mm)	9.527" (242.0mm)	227.0 (103.0Kg)
T280	N100	3	13.410" (341.0mm)	11.102" (282.0mm)	11.878" (301.7mm)	12.750" (324.0mm)	11.181" (284.0mm)	381.0 (172.8Kg)
T315	N100 P125	3	14.685" (373.0mm)	12.402" (315.0mm)	13.268" (337.0mm)	14.000" (355.6mm)	12.480" (317.0mm)	494.0 (224.1Kg) 580.0 (263.1Kg)
T365	P125	4	16.926" (430.0mm)	14.370" (365.0mm)	15.250" (387.4mm)	16.000" (406.4mm)	14.449" (367.0mm)	670.0 (303.9Kg)
T410	P125	4	18.819" (478.0mm)	16.220" (412.0mm)	17.125" (435.0mm)	18.000" (457.2mm)	16.300" (414.0mm)	845.0 (383.3Kg)
T455	P125	3	20.867" (530.0mm)	17.937" (455.6mm)	19.000" (482.6mm)	20.000" (508.0mm)	18.071" (459.0mm)	920.0 (417.3Kg)
T510	P180	4	22.875" (581.0mm)	19.921" (506.0mm)	21.000" (533.4mm)	22.000" (558.8mm)	20.158" (512.0mm)	1837.0 (833.2Kg)
T560	P180 P240	4	24.882" (632.0mm)	21.890" (556.0mm)	23.000" (584.2mm)	24.000" (609.6mm)	22.126" (562.0mm)	2112.0 (958.0Kg) 2354.0 (1067.8Kg)
T610	P240	3	26.850" (682.0mm)	23.812" (605.0mm)	25.000" (635.0mm)	26.000" (660.4mm)	24.133" (613.0mm)	2727.0 (1236.9Kg)
T660	P240	4	28.859" (733.0mm)	25.825" (656.0mm)	27.000" (685.8mm)	28.000" (711.2mm)	26.063" (662.0mm)	3024.0 (1371.7Kg)
T710	P240	4	30.875" (784.0mm)	27.834" (707.0mm)	29.000" (736.6mm)	30.000" (762.0mm)	28.000" (711.0mm)	3916.0 (1776.3Kg)
T760	P240	4	32.875" (835.0mm)	29.842" (758.0mm)	31.000" (787.4mm)	32.000" (812.8mm)	30.000" (762.0mm)	4562.0 (2069.3Kg)
T810	P240	4	34.882" (886.0mm)	31.850" (809.0mm)	33.000" (838.2mm)	34.000" (863.6mm)	32.008" (813.0mm)	4862.0 (2205.4Kg)

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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