

## Super Jaws is the most advanced under-reaming bit with minimum loss of percussive energy

#### Features

- The design configuration of the wing bit maintains full expansion of the bit while drilling. This ensures that the bit enables to drill to its designed diameter, even in hard rock.
- The simple wing and bit body results in rugged design.
- The bit can work at the full pressure range of hammer resulting in faster penetration at minimum drilling time.
- The wing bits retract automatically by pulling up the hammer and bit off the rock. Reverse rotation which may cause unscrewing of drill tooling is not necessary.
- Bit structure allows a smooth removal of cuttings.
- The bit can be used from overburden to hard rock.
- The bit with symmetrical structure distributes the bit load uniformly, resulting in high vertical accuracy of drilled hole.
- Transmittal loss of percussive energy is much less since the drilling for main area is done by bit body while only reaming is done by wing bit.

#### Applications

Super Jaws has a wide range of applications which enable the use under various geological conditions including easily collapsible soil, gravels, boulders and hard rock.

Super Jaws provides a smooth drilling and removal of cuttings so that the casing shoe is not damaged and deep cased drilling is possible.

#### Specific Uses

- \* Water well drilling
- \* Anchor hole drilling
- \* Earth retaining hole drilling
- \* Micro piling
- \* Foundation piling







# BIT SPECIFICATIONS, APPLICABLE CASING AND HAMMER





Pilot hole drilling is done by a main bit body and the reaming of hole is done by expanded wing bits which are designed to avoid the loss of percussive energy.

### Super Jaws Dimensions Table

Model	No. of Wing	Bit Diameter		Applicable Casing		Casing	Applicable
		Drilling Dia.(mm)	Retracted Dia.(mm)	I.D.(mm)	O.D.(mm)	Shoe I.D.(mm)	Hammer
T115	2	148.0	115.0	130.8	139.8	120.0	C40
T140	2	185.0	141.0	155.2	165.2	142.0	P50
T150	2	197.0	150.0	165.0	178.0	153.0	P50/P60W/WQ
T165	2	212.0	165.1	183.0	193.7	167.0	P60W/WQ
T190	3	237.0	191.0	204.7	216.3	192.0	P60W/WQ
T215	3	264.0	213.0	225.9	244.4	215.0	P80
T240	3	290.0	240.0	254.0	273.0	242.0	P80
T280	3	341.0	282.0	301.7	318.5	284.0	N100
T315	3	373.0	315.0	336.6	355.6	317.0	P125
T365	4	430.0	365.0	387.4	406.4	367.0	P125
T410	4	478.0	412.0	435.0	457.2	414.0	P125
T455	3	530.0	455.0	482.6	508.0	459.0	P125
T510	4	581.0	506.0	533.4	558.8	512.0	P180
T560	4	632.0	556.0	584.2	609.6	560.0	P180/P240
T610	3	682.0	605.0	635.0	660.4	609.0	P240
T660	4	733.0	656.0	685.8	711.2	660.0	P240
T710	4	784.0	707.0	736.6	762.0	711.0	P240
T760	4	835.0	758.0	787.4	812.8	762.0	P240
T810	4	886.0	809.0	838.2	863.6	813.0	P240



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