

Drilling unit AB 3600T



Light, versatile drilling unit

360° continuous rotation, 90° tilt function, all drilling positions are possible

High torque for drilling diameters up to 200 mm*

For efficient impact drilling, rotary, double rotation-, down-the-hole- and cased drilling

Standard : blank firing automation, cavity stabilization, anti-jamming device and gentle drilling - as protection of the drilling steel and cores

Light and stable high performance profile and serial hose roller **

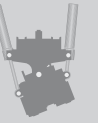
The patented hose roller** protects hoses and ensures a correct hose guide

Independent electric power supply, no electrical connections are necessary

Radio remote control as a standard feature, **drilling functions are proportionally controlled**

* Rotary drilling with AB 3600T

** Patents: WO 2006/045134 A1 and US 7,735,576 B2



AB 3600T Impact drilling units

Model/Version	AB 3600 T	AB 3600 T40	AB 3600 T50-1	AB 3600 T50-2	AB 3600 T60
Technical data:					
Weight (kg)	Approx. 1900 kg	Approx. 1950 kg	Approx. 2050 kg	Approx. 2200 kg	Approx. 2250 kg
Drill hammer	HL510	HD2004	HD2005	HD4005	HD4010
Carrier to*	> 25 to	> 25 to	> 25 to	> 25 to	> 25 to
Drilling diameter max. (mm)	89 mm	200 mm (rotary drilling)	200 mm (rotary drilling)	200 mm (rotary drilling)	200 mm (rotary drilling)
Drilling unit	CF600 „light“	CF600 „light“	CF 600 „light“	CF600 „light“	CF600 „light“
Standard rod	R32, T38, T45	R32 - H66	R32 - H64	R32 - H64	R32 - H64
Rod length (mm)	3660 mm / 12'	3660 mm / 12'	3660 mm / 12'	3050 mm / 10'	3050 mm / 10'
Oil supply (l/min)	170 l @ 200 bar	180 l @ 200 bar	230 l @ 200 bar	250 l @ 200 bar	250 l @ 200 bar
Required motor performance*	71 kW	75 kW	96 kW	104 kW	104 kW
Air flushing (m³/bar)	5,5 m³/min, 7 bar	**	**	**	**
Oil pressure at the excavator	220 bar	250 bar	250 bar	250 bar	250 bar
Torque (Nm)	625 Nm	2200 Nm / 4400 Nm switchable	3750 Nm / 5630 Nm switchable	3750 Nm / 5630 Nm switchable	3000 Nm / 6000 Nm switchable
Version:					
Climb Version	Option (+100kg)	Option (+100kg)	Option (+100kg)	Option (+100kg)	Option (+100kg)
Rotation of the drilling unit	360° endlessly	360° endlessly	360° endlessly	360° endlessly	360° endlessly
Feed shift	1180 mm	1180 mm	1180 mm	1180 mm	1180 mm
Rod clamp	Standard	Standard	Standard	Standard	Standard
Breaking device (- 200mm)	Option (+100kg)	Option (+100kg)	Option (+100kg)	Option (+100kg)	Option (+100kg)
Down-the-hole-drilling	Option	Option	Option	Option	Option
Tilting function	Standard, 90°	Standard, 90°	Standard, 90°	Standard, 90°	Standard, 90°
Suction head	Option	Option	Option	Option	Option
Hose roller	Standard	Standard	Standard	Standard	Standard
Independent power supply	Standard	Standard	Standard	Standard	Standard
Control system:					
Radio remote control	Standard	Standard	Standard	Standard	Standard
Blank firing protection	Standard	Standard	Standard	Standard	Standard
Anti-jamming automation	Standard	Standard	Standard	Standard	Standard
Adjustable hollow protection	Standard	Standard	Standard	Standard	Standard
PLC automation	Option	Option	Option	Option	Option
Long distance maintenance/modem error diagnosis	Option	Option	Option	Option	Option
Further options:					
Angle display	Option	Option	Option	Option	Option
Water mist system	Option	Option	Option	Option	Option
Dust collector	Option	Option	Option	Option	Option
Compressor at the excavator	Option	Option	Option	Option	Option
Wire rope	Option	Option	Option	Option	Option

*The minimum weight depends on the excavator. The chosen excavator must be checked as to pump delivery volume, pump capacity of the equipment, sufficient motor performance and lifting capacity.

** depending on the drilling procedure

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ATTENTION: the hydraulic values indicated here after are not to be considered for the regulation of the excavator – please use the instructions!

AB 3600T Rotary drilling units

Model/Version	AB 3600 T40 D	AB 3600 T60 D	AB 3600 T40 DH	AB 3600 T40 DHP
Technical data:				
Weight (kg)	Approx. 1950 kg	Approx. 2000 kg	Approx. 2100 kg	Approx. 2150 kg
Rotary unit	RH400	RH500	DH400	DHP400
Carrier to*	> 25 to	> 25 to	> 25 to	> 25 to
Drilling diameter max. (mm)	200 mm (rotary drilling)	200 mm (rotary drilling)	200 mm (rotary drilling)	200 mm (rotary drilling)
Drilling unit	CF600 „light“	CF600 „light“	CF600 „light“	CF600 „light“
Standard rod	API 2 3/8“	API 2 3/8“	API 2 3/8“	API 2 3/8“
Rod length (mm)	3000 mm	3000 mm	3000 mm	3000 mm
Oil supply (l/min)	125 l @ 200 bar	175 l @ 200 bar	175 l @ 200 bar	215 l @ 200 bar
Required motor performance*	52 kW	73 kW	73 kW	90 kW
Air flushing (m³/bar)	**	**	**	**
Oil pressure at the excavator	250 bar	250 bar	250 bar	250 bar
Torque (Nm)	2200 Nm /4400 Nm switchable	3750 Nm / 5630 Nm switchable	1060/2120 Nm inner rod 2200/4400 Nm outer rod	1060/2120 Nm inner rod 2200/4400 Nm outer rod
Version:				
Climb Version	Option (+100kg)	Option (+100kg)	Option (+100kg)	Option (+100kg)
Rotation of the drilling unit	360° endlessly	360° endlessly	360° endlessly	360° endlessly
Feed shift	1180 mm	1180 mm	1180 mm	1180 mm
Rod clamp	Standard	Standard	Standard	Standard
Breaking device (- 200mm)	Standard	Standard	Standard	Standard
Down-the-hole-drilling	Option	Option	Option	Option
Tilting function	Standard, 90°	Standard, 90°	Standard, 90°	Standard, 90°
Suction head	Option	Option	Option	Option
Hose roller	Standard	Standard	Standard	Standard
Independent power supply	Standard	Standard	Standard	Standard
Control system:				
Radio remote control	Standard	Standard	Standard	Standard
Blank firing protection	Standard	Standard	Standard	Standard
Anti-jamming automation	Standard	Standard	Standard	Standard
Adjustable hollow protection	Standard	Standard	Standard	Standard
PLC automation	Option	Option	Option	Option
Long distance maintenance/modem error diagnosis	Option	Option	Option	Option
Further options:				
Angle display	Option	Option	Option	Option
Water mist system	Option	Option	Option	Option
Dust collector	Option	Option	Option	Option
Compressor at the excavator	-	-	-	Option
Wire rope	Option	Option	Option	Option

AB3600 in action



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