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UTILITY INFRASTRUCTURE SOLUTIONS



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WATER ■ ELECTRICAL ■ COMMUNICATION



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ZT-32 KF



ZT-42



ZT-50 / 100 A

TECHNICAL SPECIFICATION

	ZT-32KF	ZT-42	ZT-50 / 100 A
MAX TORQUE:	12,000 N.m	18,500 N.m	27,500 N.m
ROTATION SPEED:	0-145 rpm	0-165 rpm	0-160 rpm
MAX PULLING/ THRUST FORCE:	320 KN	420 KN	500/1000 KN
CUMMINS ENGINE:	153 kW / 2200 rpm	179 kW / 2200 rpm	194 kW / 2200 rpm
PULLING SPEED:	0-50 m/min	0-50 m/min	0-50 m/min
WALKING SPEED:	2-4 km/h	2.3 km/h	2.5-3.25 km/h
ENTRY ANGLE:	8-20°	8-20°	8-20°
MAX DIAMETER (MM)	800 mm	1100 mm	1500 mm
WEIGHT:	8,500 kg	14,000 kg	16,500 kg
DIMENSION (M) :	6.2 x 2.28 x 2.5	7 x 2.28 x 2.5	8.5 x 2.36 x 2.55

FEATURES



The thrusting and pulling mechanisms utilize a rack and pinion structure for stable performance, while the semi-automatic arm swing enhances efficiency and reduces operational cost.



The main components of the drilling rig's hydraulic system are sourced from well-known brands, ensuring strong power and dependable performance.



Rotation and thrusting operate at infinitely variable speeds with high transmission efficiency. Thrusting includes an acceleration system that effectively enhances working efficiency.

ACCESSORIES



DRILL RODS



REAMER



DRILL HEAD KIT & SUBSAVER



MUD MIXING TANK

LEICA DSX GPR



Technical Specification

Antenna	Single Antenna
Weight (with battery)	25 kg
Frequency	600 MHz
Depth	Up to 4m
Battery	14.8 V, 5800 mAh Li-ion
• Battery life	Up to 8 hours
Display	CT1000 tablet
Bluetooth	
• Data Transfer	Yes
• Connection to external GPS	Yes
Ingress Protection Rating	65

LEICA ULTRA LOCATOR



Technical Specification:

Frequency range:	50 Hz - 200 kHz
Sensitivity:	33 kHz (1uA at 1 m)
Depth:	max 6 m (20 ft)
Battery life (max):	30 hrs continuous 70 hrs intermittent
Weight:	2.2 kg (4.8 lb) Locator 3.4 kg (7.7 lb) Transmitter
Transmitter output power:	12 watt
Enabled frequencies:	512 Hz, 3.14 kHz, 8.192 kHz, 32.768 kHz, 83.1 kHz, 200 kHz
Custom frequencies:	Up to 100 custom frequencies from 256 Hz - 83 kHz

C-THRU CONCRETE SCANNER



Technical Specification

Antenna Center Frequency	2.0 GHz
Antenna Polarisation	Horizontal and Vertical
Number of Radar Channels	2 (dual-polarised antennas)
Scan Interval	Up to 10 scans/cm
Depth Range	Up to 80 cm (up to 31.5 in.)
Positioning System	"Virtual Pad" (based on 3 High safety - Class 1 laser sensors with reflective bar)
AC Power Conduits Detection	EM sensor integrated (50/60 Hz)

DCI FALCON LOCATOR



Technical Specification

Product ID / Model Number	FF2+ / FAR2
Receiving Frequencies	4.5-45 kHz
Accuracy	±5% up to max depth range
Transmitter Depth Range ^{1,2}	Up to 160ft (48m)
Transmitter Data Range ^{1,2}	Up to 200ft (61m)
Battery Life ³	Up to 14 hrs

DCI TERATRAK TERRAIN MAPPING



Technical Specification

Accuracy Two-way (elevation) ¹	±2in (5cm) over 500ft (152m)
Accuracy Two-way (elevation) ¹	±2in (5cm) over 100ft (30m)
Battery	Built-in lithium-ion battery pack
Voltage, current	5.0 VDC nominal, 500 mA max
Weight	141lbs (6.35kg)
Compatible Phone App ²	Apple & Android

BATTERY DRIVEN HYDRAULIC CUTTING TOOL



Technical Specification

Working Force	120 kN
Cutting Capacity	Copper-aluminum armored cable
Opening Size	Diameter 105mm
Tool Weight	9.5 kg (with battery)
Charging Time	About 80 min
Cycles Per Charge	10KV 3x400mm2 YJV22 cable, about 80

BATTERY DRIVEN HYDRAULIC CRIMPING TOOL



Technical Specification

Working Force	120 kN
Crimping Range	16-400mm ² (copper)
Opening Size	42 mm
Tool Weight	6.4 kg (with battery)
Charging Time	About 80 min
Cycles Per Charge	185mm ² DIN copper, about 300

HDPE MICRODUCT AND TUBE BUNDLE



Technical Specification

Sheath	Orange, Blue or customized
Thickness of sheath	
Ripcord	Customized
Tracing wire	

HD25 MINI EXCAVATOR



Technical Specification

Engine Output	17.5 kW/2,200min ⁻¹
Operating Weight	2,500 kg
Bucket Capacity	1/4 m ³
Maximum Digging Depth	2,440 mm

- Fusion Splicer - Tool Kit
- OSP Tools and Equipment
- HDPE Handhole & Manhole
- Fiber Blowing Machine
- HDD Downhole Tools



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