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SURVEYING • MATERIALS TESTING • TECHNICAL SERVICES



UTILITY INFRASTRUCTURE SOLUTIONS





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ELECTRICAL • COMMUNICATION **WATER**































ZT-50 / 100 A

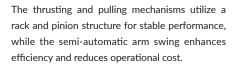
ZT-32 KF ZT-42

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 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

| | | | deosystems |
|--|-----|-------------------------|------------|
| Technical Specificati | on | | |
| 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 Hzh - 200 kHz |
| Sensitivity: | 33 kHz (1uA at 1 m) |
| Depth: | max 6 m (20 ft) |
| Battery life (max): | 30 hrs continous 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-THRUE 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



| | DIGITAL CONTROL |
|--|---------------------------|
| 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 | <u>+</u> 2in (5cm) over 500ft (152m) |
| Accuracy Two-way (elevation) ¹ | <u>+</u> 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 & Androidh |



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 | 16-400mm²(copper) |
| Opening Size | 42 mm |
| Tool Weight | 6.4 kg (with battery) |
| Charging Time | About 80 min |
| Cycles Per Charge | 185mm² 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 m³ |
| Maximum Digging Depth | 2,440 mm |

- Fusion Splicer Tool Kit
- OSP Tools and Equipment
- HDPE Handhole & Manhole

KATO

- Fiber Blowing Machine
- HDD Downhole Tools



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