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Internal Multi-String Cutting Tool

Superior conductor cutting
capacity and speed



FEATURES

Superior cutting speed

Vessel, drilling rig, or platform operations

Cuts casings from 7 - 48 in with a single run

Connecting What's Needed with What's Next™

Internal Multi-String Cutting Tool

Superior conductor cutting capacity and speed

The internal multi-string cutting tool (IMCT) is based on Oceaneering's powerful abrasive water jet cutting (AWJC) technology and cuts up to five layers of casings from the inside of a well in a single run. The AWJC method uses a high-energy jet of water-borne abrasive particles to cut the hardest steel alloys quickly and safely. The IMCT produces a clean cut and facilitates safe and easy conductor recovery.

Technical Data

Cutting medium	Water (salt or fresh) and environmentally friendly abrasives
Pressure	7,000-30,000 psi / 500-2,000 bar
Water flow rate	8-32 gal/min / 30-120 l/min
Typical utility requirements of vessel/platform	Sea water required to operate equipment (32 gal/min @ 45 psi / 120 l/min @ 3 bar) Fresh water for cleaning Crane (15T capacity) and rigging assistance for handling of equipment Electric power (110 V and 220 V) Available compressor work air onboard the rig/vessel
Typical footprint/deck space requirement	Approximately 1,000 ft ² / 100 m ²

Equipment	Inner casing outer diameter	Tool dimensions (OD/L)	Tool weight (in air)
IMCT 700	7 in and 7 5/8 in	5.8 in / 77.6 in 0.15 m / 1.97 m	330 lb / 150 kg
IMCT 958	9 5/8 in to 20 in	8.3 in / 79.1 in 0.21 m / 2.01 m	462 lb / 210 kg

Additional versions available upon request.

Typical Complete System Equipment List

Equipment	Quantity	Equipment weight	Dimensions (LxWxH)
High pressure water pump	1*	15,000 lb / 6,800 kg	171 x 77 x 99 in / 4.3 x 2.0 x 2.5 m
Abrasive mixer unit (AMU) inclusive of hopper (hopper and AMU main unit are transported as individual components)	1*	28,660 lb / 13,000 kg	76 x 76 x 200 in / 1.9 x 1.9 x 5.1 m
7 in IMCT, including body, internals, cutting head, and nozzle	2	595 lb / 270 kg	85 x 32 x 27 in / 2.2 x 0.8 x 0.7 m
Deployment skid with winches	1	17,000 lb / 7,800 kg	146 x 100 x 118 in / 3.7 x 2.5 x 2.9 m
Hydraulic power unit	1	4,100 lb / 1,500 kg	100 x 45 x 62 in / 2.6 x 1.2 x 1.6 m
Air compressor	1	13,000 lb / 5,900 kg	168 x 88 x 79 in / 4.2 x 2.2 x 2.0 m
Control and workshop container	1	10,000 lb / 4,500 kg	192 x 96 x 102 in / 4.9 x 2.4 x 2.6 m
Transport basket (accommodates 2 IMCTs)	1	4,000 lb / 1,818 kg	228 x 65 x 53 in / 5.8 x 1.6 x 1.3 m

*Back-up recommended.

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