



WEBTOOL[™]
HYDRAULIC CUTTERS & SYSTEMS

**Offshore Wind Cable Deployment
and Recovery**

allspeeds
www.allspeeds.co.uk

Deploying subsea cable for offshore wind projects needs to be as efficient as possible.

Recovery from the seabed in the event of cable damage, even more so. Which is why leading offshore and subsea cutting tools specialist, Allspeeds, has developed the tools needed to streamline both cable deployment and recovery.



Cable Deployment and Cutting

The Webtool™ HCV220 is a heavy-duty cutter that can be used either deck mounted or deployed subsea mounted on an ROV. As a deck mounted cutter it can be used for planned production cutting of cable up to 220 mm diameter. Designed to cut through the toughest armoured cables in seconds, it comprises a jaw containing a blade and anvil powered by an inbuilt pressure intensifier.

Once the cable or umbilical is positioned in the jaw and the anvil closed, the guillotine blade is activated. Unlike other cutting methods where there is a risk of the cable flexing during cutting and either trapping or snapping the blade, closing the guillotine's anvil locks the cable in position ensuring the cut is completed successfully.

When deployed subsea, Webtool™ HCV220 can be used to cut cable prior to cable recovery with the Webtool™ CRT200 cable gripper. The Webtool™ cutter can be used at any water depth; its robust steel design with electroless nickel plating is resistant to corrosion. An integrated interlock ensures that the blade



cannot activate until the anvil is fully deployed, making it safe to use in low visibility environments. Weighing 320kg in air, the cutter uses 210 bar maximum input pressure.

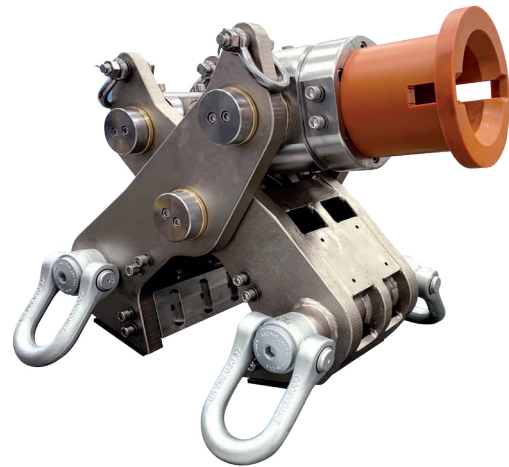
Cable Recovery

Retrieving cable subsea can be a difficult, time-consuming task. The CRT200 Cable Retrieval Tool provides a quicker and safer controlled recovery of damaged cable up to 203 mm diameter.

Developed in consultation with international certification body and classification society, DNV, the CRT200 Cable Retrieval Tool is the only cable and umbilical retrieval tool of its type to meet the exacting design codes and standards for marine operations and offshore and platform lifting appliances. Specifically, the CRT200 satisfies the requirements of DNVGL-ST-N001 Marine Operations & Marine Warranty, June 2016 and DNVGL-ST-0378 Standard for Offshore & Platform Lifting Appliances, May 2016.

The hydraulically operated Webtool™ cable gripper offers a quicker and safer method of retrieval and improved cable handling.

- Efficient cable recovery - the gripper, guided by an ROV, is lowered onto the end of the cable with minimal preliminary clearing of the soil around the cable.



- Mechanically locked gripping action ensures the cable cannot escape during retrieval.
- Gripping the end of the cable makes subsequent handling much easier, enabling the cable to be recovered to a reeler or spooler on the surface vessel.

Fabricated from corrosion resistant materials, the Webtool™ cable gripper weighs approx. 500 kg and has a lifting capacity of 20 tonnes. It can be used at any water depth and is operated using a standard class 4 ROV torque tool.

Comprehensive Range – From Cable Lay to Emergency Cutters

In addition to cutters for cables up to 330 mm diameter, Allspeeds also offers a range of emergency cutters designed to provide a rapid cutting of cable and umbilical, steel wire and fibre ropes should the need arise.

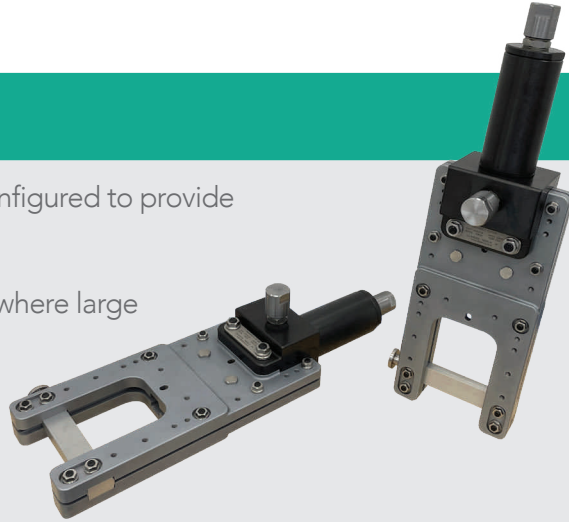
Emergency cutters are also available for specific applications such as offshore wind cable cutters, steel wire winch cutters, and deck-mounted cutters to prevent girding, for example. The cutters are characterised by their robustness, speed of cutting and customisation to suit the material to be cut and the operating environments.



Synchronised Cutting

Where needed, the Webtool™ cutters can be configured to provide synchronised cutting.

This is especially useful during offshore handling where large loads held by multiple ropes may need to be cut either sequentially or perhaps simultaneously.



Allspeeds has over 30 years' experience in the development and manufacture of Webtool™ hydraulic guillotine cutters for both subsea and topside. The cutters are standard equipment in most ROV fleets around the world based on their reputation for quality and reliability in demanding subsea environments. Webtool™ cutters are designed and manufactured in accordance with ISO 9001.

Allspeeds is the sole manufacturer of Webtool™ hydraulic cutters and systems, Tangye lifting jacks and hydrostatic test pumps, Millingford API11AX sucker rod pumps, Kopp variable speed drives and Blake Hydram water pumps.

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