

Cable Cutter – 75mm

General Description

The cutters have been specially designed specifically for cutting in severe working conditions such as offshore and sub-sea service, typically electrical power cables, umbilical cables and hydraulic lines. They have been manufactured to meet individual customer requirements in stainless steel or lightweight aluminium for R.O.V. applications. The WC Models are capable of cutting wire rope up to 75mm diameters.

Technical Specifications

This table gives a guideline as to the hydraulic pressure in Bar required to cut various materials and sizes as listed below. These pressures have been recorded during actual cutting tests. In all cases the wire rope is of 1770 Nmm² tensile strength (188 Grade). For the solid round bar, two grades are shown, a good quality Mild Steel and a medium Alloy Steel (605M36T) of approximately 55 ton tensile strength. The cutters will also cut tube, generally there is a limit on the diameter due to the tube flattening prior to cutting, ideally, and the cutter selected should have a jaw opening greater than half the tube circumference, i.e. jaw width should be 1.57 x tube diameter.



Material description and sizes (mm)	Cutter size WC75
Wire Rope	
22.2	240
25.4	320
38.1	440
50.8	520
76.2	700
Alloy Steel	
11.1	125
14.3	160
19.0	285
22.2	380
25.4	440
28.6	565
31.8	680
34.9	710
Mild Steel Bolts	
19.0	190
28.6	315
34.9	425
38.1	570
41.3	590
44.5	640
GR. 8.8 Bolt Shank	
33	535
GR. 8.8 Bolt Thread	
33	420

Model	Wire / Rope Capacity mm	Operating Pressure bar	Swept Volume cm ³	Approx. Weight Kg
WC75 (D)	75	700	510	34

