



DIAQUIP

AT THE CUTTING EDGE

DIAMOND WIRE

DQ1

VACUUM BRAZED DIAMOND WIRE



DQ1 is a proven, highly professional diamond wire range used for cutting steel structures. Available in varying beads per metre, the DQ1 diamond wire will allow you to approach a wide range of applications armed with the most efficient solution.

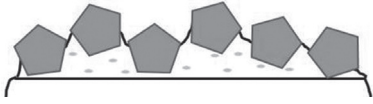
The special vacuum, brazed bead manufacturing process is the latest technology available, resulting in a wire range that has exceptional performance, particularly on jobs such as nuclear & offshore oil rig decommissioning, as well as being suitable for Dry cutting applications. The rubber covered structure of the wire is specially designed for extreme durability, in order to withstand the most challenging applications. Where dry cutting and maximum strength is required, a dedicated compound can be specified for an even greater performance.

www.diaquip.com

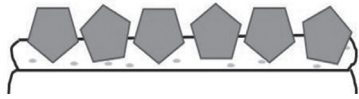


SPECIFICATION DETAILS

Brazed



Electroplated



Higher Diamond Retention

- Chemical Bonding between diamonds and metal base
- Larger chip pocket enabling increased performance

Benefits over Electroplated wire

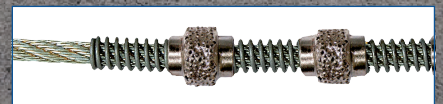
- Dual layer diamond
- Positioned diamond

TECHNICAL SPECIFICATION

Product description	Professional wire for challenging and extreme cutting circumstances
Application	Oil pipes, metal structure, shot concrete, I beams, concrete above 20% steel ratio
Number of beads	Available in 53/48/44/40 bpm
Bead diameter	10.2mmØ standard, 9mmØ for loops under 3m. Also available in 9.8mmØ / 10.2mmØ / 10.5mmØ / 11mmØ
Wet/Dry	Optimum for wet cutting. Special version available for dry cutting
Lengths	Custom size lengths and endless loops
Structure	Pre-pressed beads on cable + Rubber coating + Spring spacer
Cable Breaking Strength	Min. 21,200kN
Strength of Loop	Min. 1,500kg.f.
Cable Elongation (wire stretch)	0.28% at 2,500N
Temperature Range	Below 100°C
Shelf Life	1 year when stored in a dry, dark and room temperature environment
Cable Diameter	4.8mm (Min. 4.66mm / Max. 4.94mm)



DQ1 WIRES HAVE UNDERGONE A WIRE STRENGTH TEST; 772.65 kg.f



WIRE STRUCTURE;

All our wires are made from an extremely high quality structure; highest grade rubber coating, strong steel spring spacers, multi-stranded steel carrier wire, and diamond beads manufactured with the latest technology available.



AVAILABLE IN CLOSED LOOPS

DQ1 WIRE CASE STUDY DECOMMISSIONING DIAMOND WIRE COMPARISON

SCAN TO VIEW THE YOUTUBE VIDEO



6.070m of the DQ1 wire was used on a 42" Wire saw to sever through a 26" pipe containing; Concrete Coating, Bitumen and 27mm rigid steel wall thickness. The first cut was completed in just 14 minutes 46 seconds, and went on to complete a further 5 cuts (the last of which took 29 minutes 53 seconds to complete). A total of 6 complete cuts within this speed is a quantum leap in performance compared to normal industry standards.