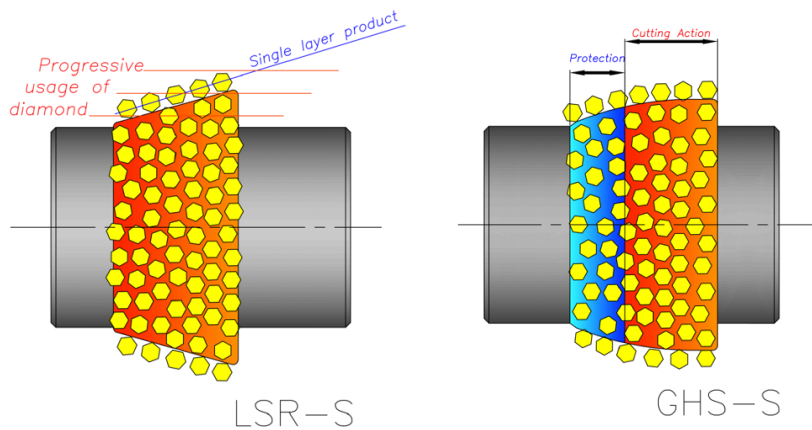


Off-Shore Diamond Wires - OSDW

The **Off-Shore Diamond Wires** are expressly designed to perform the fastest cut to reduce the operation time in the following applications: Off-Shore, Sub Sea and Top Side cuts.

The peculiar shapes of the OSDW beads are innovative for all the cutting applications. The *tapered shape* increases the cutting action of the wire, due to a restricted contact on the surface; whereas the *rounded shape* permits a double action of the diamond: protection and cut, for more challenging applications.



These **OSDW** can cut the most complicated materials as: pure steel, bitumen coated steel pipes, plastic coated steel pipes, Inconel steel, etcetera.

All the OSDW are produced following the **Oriented Crystal[®]** patented technology, where most of the diamond grains are well oriented and constricted within the nickel bond, to maximize the cutting speed and increasing the resistance of the diamond depot.

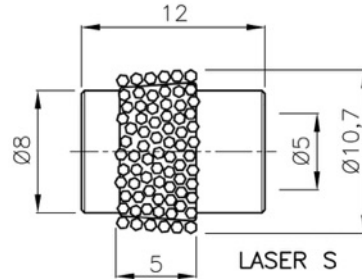
The OSDW are designed to be used in underwater cutting (**S** version); however, they are occasionally used in nuclear plants decommissioning and the usage of water is strictly forbidden. In these cases, we offer you the **SD** version for dry cutting. The assembly is different since it has a strong temperature resistance, comparing to the S version.

Assembly: The unique and exclusive assembly, with polymeric coating and springs, was born with the purpose to increase the safety on the job site. If correctly used, the diamond wire doesn't need to be rebuilt until the whole exhaustion of the diamond beads, avoiding problems such as: wire breakages, sliding of the beads, and beads expulsion in case of breakage of the wire.

We splice the wire in closed loops for the best usage of the machine and we can do the minimum length diamond wire at 1,40m with 40 BPM with the maximum length tolerance of +/- 2cm.

LSR-S (Pro)

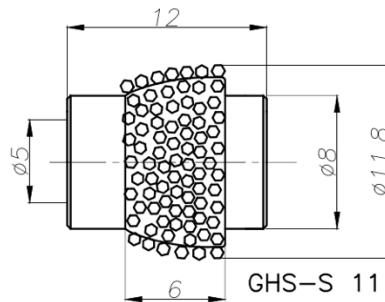
Bead Type: Electroplated
Diamond Grit: UsMesh 25/30 (Fepa 711)
Outside ϕ : 10,8mm
Internal Steel rope: 4,9mm
BPM: 40 up to 48
Alternative Diameters: 9,4mm and 7,7mm (7,7mm has steel rope 3,8mm)



	Cutting Speed	Resistance
40 BPM	★★★★ ★★	★★ ★
44 BPM	★★★ ★★★	★★★ ★★★
48 BPM	★★★ ★	★★★★ ★★

GHS-S (Pro) – High cutting speed

Bead Type: Electroplated
Diamond Grit: UsMesh 25/30 (Fepa 711)
Outside ϕ : 11,8mm
Internal Steel rope: 4,9mm
BPM: 36 up to 40



	Cutting Speed	Resistance
40 BPM	★★★★ ★★★★	★★ ★★
44 BPM	★★★ ★★	★★★★ ★★★★



Figure 1: LSR-S Diamond Wire Assembled



Figure 2: LSR-S Diamond Beads



Figure 3: GHS-S Diamond Wire Assembled



Figure 4: GSH-S Diamond Beads

