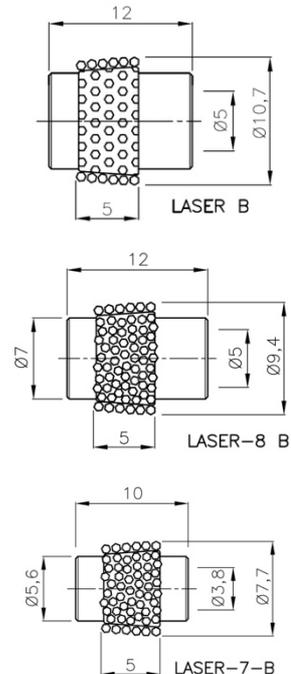


LSR-B Decom PRO (Steel 100%)

LSR-B Decom PRO is a unique **electroplated** diamond wire expressly designed to cut pure steel, such as metal structures, sunken vessels, heat exchangers and more. Its characteristic **tapered** (conical) shape bead increases both **cutting speed** and **life** due to these reasons:

- **Reduced Contact Area.** Only few parts of diamond grains are in close contact with the material, thus the *reduced Contact Area* of the diamond increases the cutting pressure. Due to the high pressure the diamond can cut faster. The conical shape permits a faster cutting speed on all materials
- **Progressive usage of the diamond.** The diamond is progressively used, from the external diameter to the inner part. When a diamond is completely crashed it comes out and a new one, which is in the inner part, it is immediately ready to action. The conical shape increases the life on all materials.

These are not the only features LSR-B has. Our electroplated beads are made by patented technology named **Oriented Crystal**[®], the diamond grains are oriented and almost all cutting edges are positioned in the best way to start and continue the cut.



Assembly: The **SHX polymeric coating** was produced with the purpose to increase safety in workplace. This particular and unique assembly gives *more flexibility* to the diamond wire, as well as the pre-compressed springs give a *greater resistance* on the sliding of the beads. If the diamond wire is correctly used, it doesn't need to be reassembled until the whole exhaustion of the diamond beads, avoiding problems such as wire breakages. Therefore, the **SHX** assures the maximum safety, in accidental case of breakage no beads will throw out.

Normally this diamond wire is assembled with 48 BPM (beads per meter); however, it is possible to change the number of beads to fit all customer's needs.

Specifications:

Bead Type: Electroplated

Bead Shape: Tapered $\varnothing 7,7 - 9,4$ and $10,7$ mm

Material to cut: Pure Steel (Iron, Stainless Steel, Carbon Steel, and various metal alloys)

Twist: 1 torsion per meter. It can also be supplied in an *endless loop*, this way the customer does not need to twist it.

Material	Average Cutting Speed	Average Life	Peripheral speed
	[dm ² /h]	[dm ² /m]	[m/sec]
HR Concrete	3 – 5 [m ² /h]	2 – 5 [m ² /h]	8 - 12
Pure Steel (48 beads/m)	15 – 32 [dm ² /h]	15 – 35 [dm ² /h]	8 - 12

Average data of LSR-B



Figure 1- LSR-B Assembled Diamond Wire



Figure 2- LSR-B Diamond Beads

Other related products:

Manual Idraulic Press: HT45 (5 tons) or HT120 (12 tons)

Connectors: Tube connector 9518 - Quick Braxx Connector

