

LSR diamond wires for Monowire machine

LSR-A and LSR-B are the faster diamond wires for all monowire machines for all Marbles and stones.

Its characteristic tapered (conical) shape increases Cutting Speed and Life due these:

These aren't the only features we have. Our electroplated beads are made by patented

- **Reduced Contact Area**. Only a few parts of diamond grains are in contact with the material so the reduced Contact Area of the diamond increases the cutting pressure and the diamond can cut faster due the higher pressure. The conical shape permits a faster cutting speed on all materials.
- **Progressive usage of the diamond**. The diamond is used progressively, from the external diameter to the inner. When a diamond is completely crashed it's pulled out and a new diamond in the inner part is immediately ready. The conical shape increase the life on all materials.

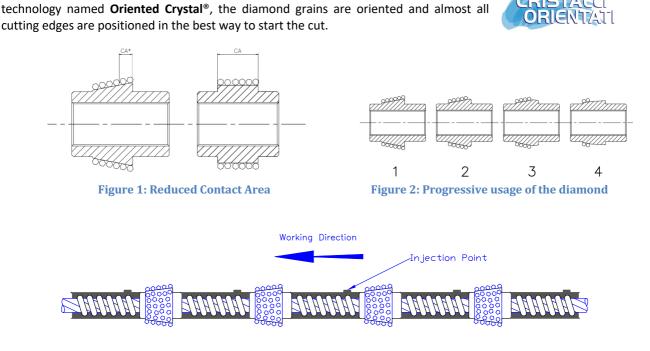


Figure 3: Unique cutting direction

Assembly: The particular and exclusive assembly with the **SHX** polymeric coating and springs is born with the purpose to increase the safety on the job site. If correctly used the diamond wire doesn't need to be reassembled until the whole exhaustion of the diamond beads, avoiding problems such as wire breakages. Then the SHX assembly assures the maximum safety, in accidental case of breakage none bead is thrown out.

Normally these diamond wires are assembled with 28, 30 or 32 BPM (beads per meter), but it's possible to change the number to fit all customers' needs.







Specifications

Bead Type: Electroplated
Bead Shape: Tapered
Material to cut: Marbles, Calcareous stones, Limestones, Sandstones
Twist: 1 torsion per meter. Sometime it's sold in endless loop, so the customer doesn't need to twist it.

Diamond	Diamond Size	LSR-10	LSR-8	LSR-7
		Ø 9,9mm	Ø 8,5mm	Ø 6,8mm
A	UsMesh 40/50 Fepa D426	12 90 90 90 90 90 90 90 90 90 90 90 90 90	12 12 5 12 5 12 5 12 5 12 5 12 5 12 5 12 5 12 12 12 12 12 12 12 12 12 12	
В		Ø10,8mm	Ø 9,4mm	Ø 7,4mm
	UsMesh 25/30	20000000000000000000000000000000000000		<u>85.6</u>
	Fepa			
	D711	LASER B	5 LASER-8 B	<u>5</u> LASER-7-B

Cutting Performance

Material	Average Cutting Speed [m²/h]	Average Life[m²/lm]	Peripheral speed [m/sec]
Marbles	4÷9	60	30
Calcareous Stones	4 ÷ 9	60	30
Limestones	4 ÷ 8	60	30
Sandstones	4 ÷ 8	50	30

Average data for LSR-A



Figure 1- LSR-A Diamond Wire Assembled

Other related product: Manual Idraulic Press: HT45 (5 tons) Connectors: Tube conector 9518



Figure 2- LSR-A Diamond Beads



