

## ACDW Advanced Construction Cutting Diamond Wires SEP SwiftEdge-PRO and MSP MetalSlash-PRO

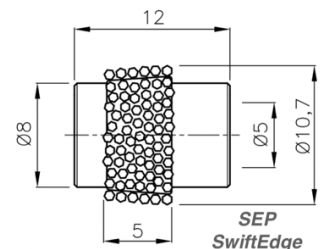
**SEP SwiftEdge-PRO** and **MSP MetalSlash-PRO** are unique electroplated diamond wires specifically designed for cutting steel and heavily concrete structures. Both wires feature conical-shaped diamond beads that offer optimal performance. Here are the specific characteristics of each wire:

### SEP SwiftEdge-PRO

Bead diameter: 10.8 mm

Diamond type: UsMesh 25/30

Features: SEP SwiftEdge-PRO is designed to provide high cutting speed, allowing for increased productivity during steel and concrete structures cutting.

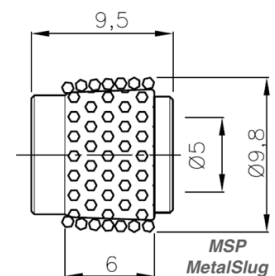


### MSP MetalSlash-PRO

Bead diameter: 9.9 mm

Diamond type: UsMesh 40/50

Features: MetalSlash-PRO is known for its superior strength, making it ideal for demanding projects that require extended wire life during steel and concrete structures cutting.



Both wires are assembled with 48 beads per meter (48 BPM) and coated with the exclusive **SHX polymeric elastomer**. This coating enhances wire strength and flexibility, improving cutting efficiency and overall wire durability.

Moreover, the diamond beads on both wires are made using the patented **Oriented Crystal®** technology. This technology optimally orients the diamond crystals, positioning the cutting edges in the best possible way to ensure advanced cutting performance.



The wire assembly is made with SHX polymer, which not only increases workplace safety but also provides greater wire flexibility. The pre-compressed springs in the assembly enhance resistance against bead slippage. In the event of accidental wire breakage, the SHX assembly ensures that no beads are ejected, ensuring maximum safety.

**SEP SwiftEdge-PRO** and **MetalSlash-PRO** can be considered complementary wires. If the SEP SwiftEdge-PRO wire breaks during cutting, the MetalSlash-PRO wire can serve as a backup. Thanks to its smaller diameter, the

MetalSlash-PRO wire can easily fit into the previous cut made by the SEP SwiftEdge-PRO, allowing work to resume with minimal interruption.

Choose Diamond Pauber for high-quality diamond wires, precisely designed with superior performance to meet your most complex cutting needs.

**Specifications:**

**Bead Type:** Electroplated

**Bead Shape:** Tapered 10,8mm and 9,9mm

**Material to cut:** All types of Concrete, Pure Steel (Iron, Stainless Steel, Carbon Steel, and various metal alloys)

**Twist:** 3/4 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	Suggested Peripheral speed [m/sec]
<b>MSP</b> MetalSlash-PRO 48BPM	Concrete	1 – 2 [m <sup>2</sup> /h]	1,5 – 4 [m <sup>2</sup> /h]	12-15
	Pure Steel	7 – 15 [dm <sup>2</sup> /h]	20 – 43 [dm <sup>2</sup> /h]	10-13
<b>SEP</b> SwiftEdge-PRO 48BPM	Concrete	1 – 3 [m <sup>2</sup> /h]	1 – 3,5 [m <sup>2</sup> /h]	12-15
	Pure Steel	12 – 19 [dm <sup>2</sup> /h]	15 - 20 [dm <sup>2</sup> /h]	10-13



Figure 1- SEP SwiftEdge Assembled Diamond Wire



Figure 2- SEP SwiftEdge Diamond Beads



Figure 3- MSP MetalSlash-PRO Assembled Diamond Wire



Figure 4- MSP MetalSlash-PRO Diamond Beads

**Other related products:**

**Manual Hydraulic Press:** HT45 (5 tons) or HT120 (12 tons)

**Connectors:** Tube connector 9520 - 8520 - Quick Braxx Connector

