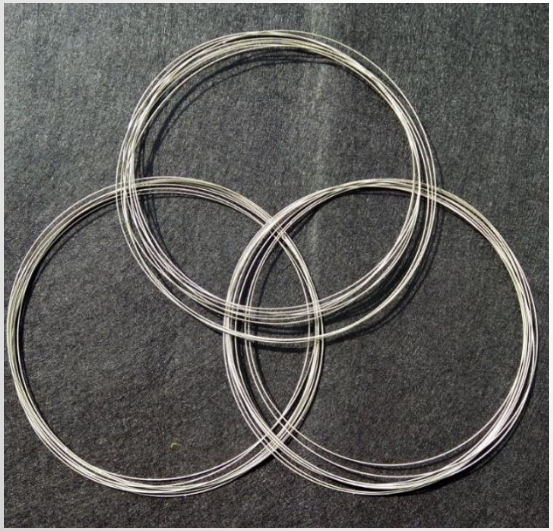
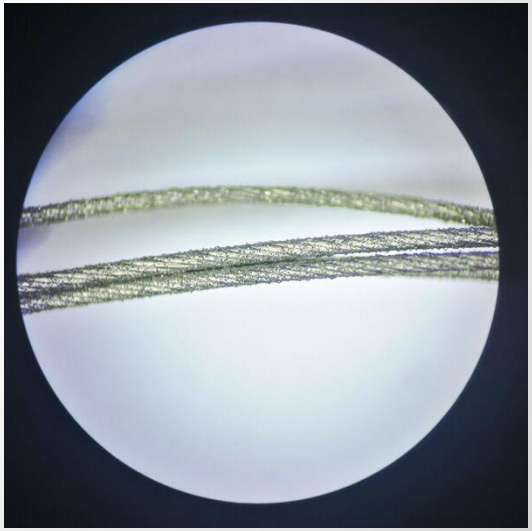
Loop Diamond Wire

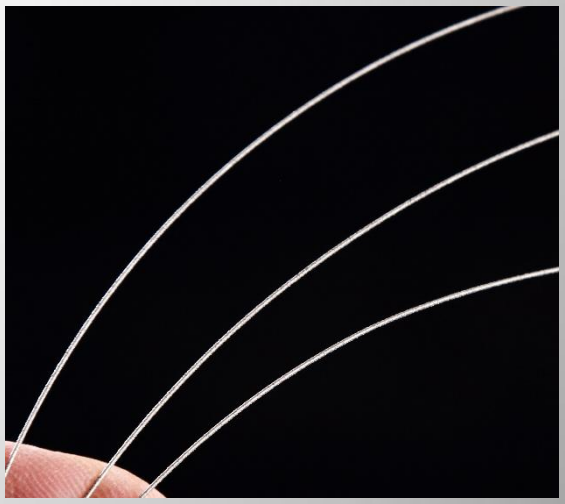
-Hard and brittle material cutter





Loop Diamond Wire

Loop diamond wire is one of the flexibility cutting tool, setting diamond crystals onto the steel surface, mainly used for cutting hard and brittle materials, such as: sapphire, ceramic, tire, rubber, stone, monocrystaline and polycrystalline silicon, etc.



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Products Properties

- **High Cutting Efficiency**
  Excellent durability
  Simply operation technique
  High processing speed

- **High Cutting Precision**
  One-way cutting
  Consistent wire diameter and diamond sizing

- **High Cutting Speed**
  Linear speed ranging from 20m/s to 60m/s
  Strong self-sharpening ability

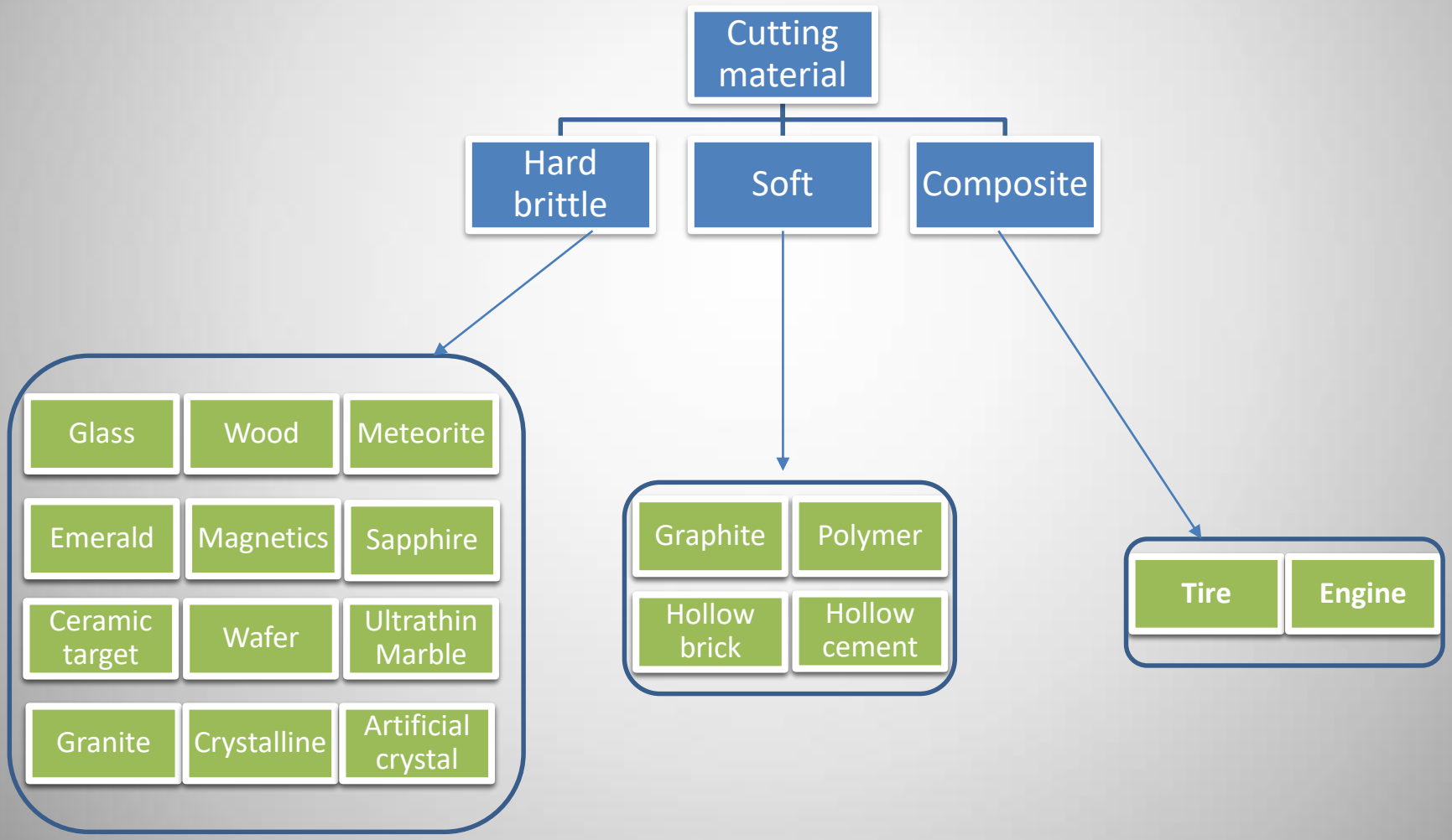
Products Properties

- **Low Cutting Cost**
  low power consumption
  No cooling system needed
  No grinding fluid needed
  Minimal kerf loss

- **Eco-Friendly**
  Both dry and wet cut are workable

- **High Product Customization**
  Diameter and length ranging to meet different cutting requirements

Products Application



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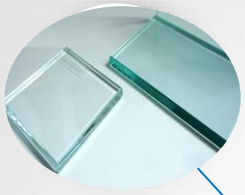
Cutting

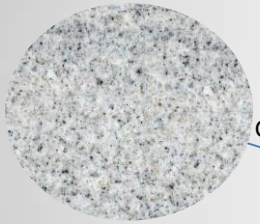
Sapphire



Glass

Foam
Allumina

Ultrathin marble



Granite

silicon

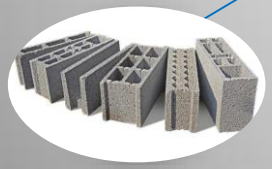
Ceramic

Artificial crysal

Graphite

Tire

Gem-stone



Hollow brick

Magnetics

The Choose for the Loop Diamond Wire

Consider bellow factors to choose suitable wire loop:

- wire width and length
- cutting materials
- workpiece specification
- surface roughness
- cutting efficiency

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Product High Definition Image

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Product High Definition Image

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Diamond Wire Loop Parameters

Outer Diameter (mm)	Circumference Length (mm)	Linear Velocity (m/s)	Feed Speed (mm/min)	Tensile Trength (N)	Cooling	Application
0.45	1000-20000	20-50	5-60	80	Dry/wet	Emerald, Magnetics , Sapphire , ultrathin Marble , Granite , crystalline , Man-made crystal , Ceramic target , Graphite , Hollow brick ,Foam cement ,Foam aluminum ,Polymer
0.55		30-60	5-100	120-150	Dry/wet	Magnetics , Sapphire , ultrathin Marble , Granite , crystalline , Man-made crystal , Ceramic target , Graphite , Hollow brick ,Foam cement ,Foam aluminum ,Polymer
0.6						
0.65						
2.5	1000-10000	25-60	10-100	200-300	Dry/wet	Tire ,Stone ,Foam cement , Foam aluminum

Loop Diamond Wire

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