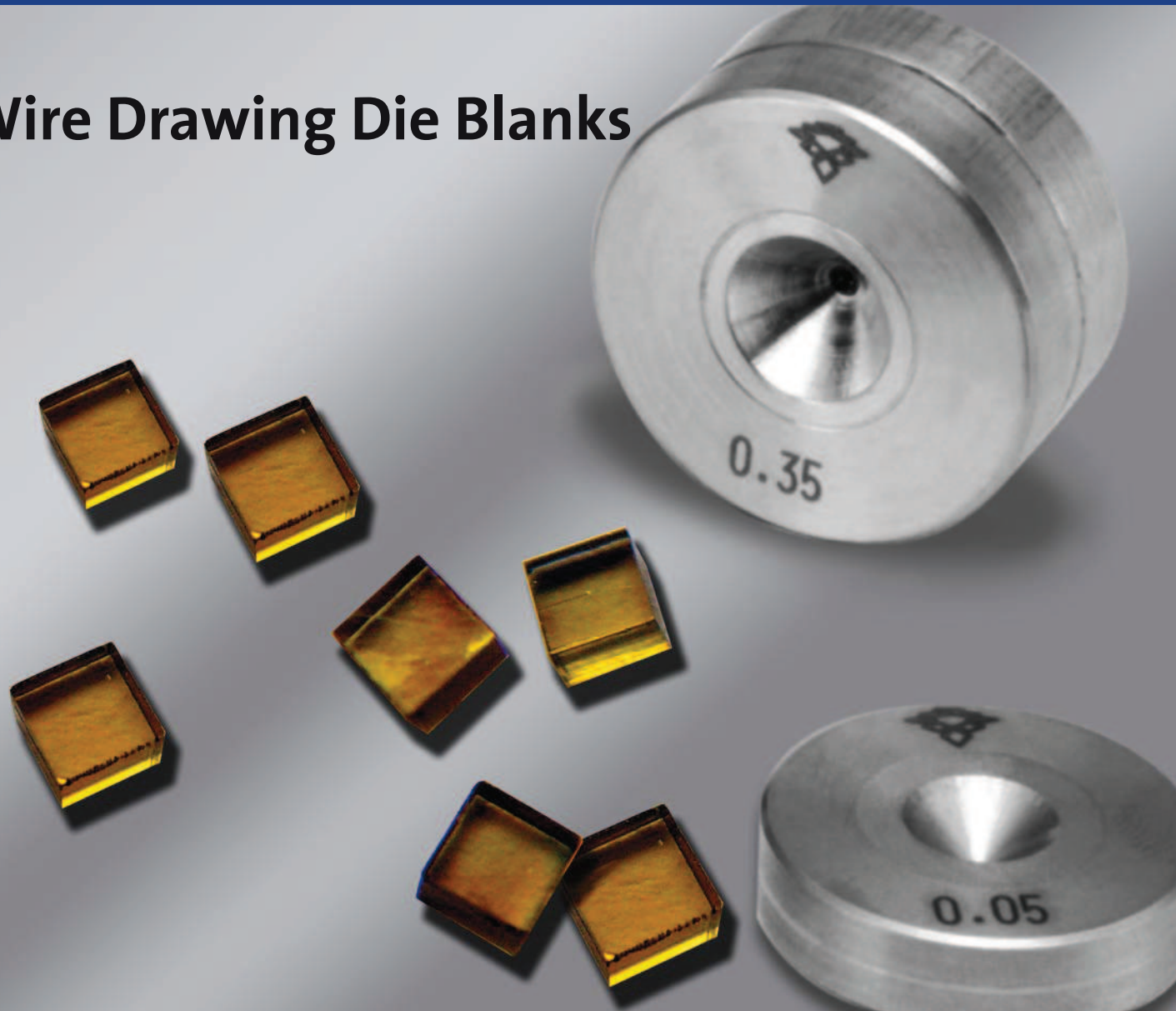


SUMICRYSTAL™ CD

SUMICRYSTAL CD blanks are Single Crystal Diamond blanks for Wire Drawing Dies

Wire Drawing Die Blanks



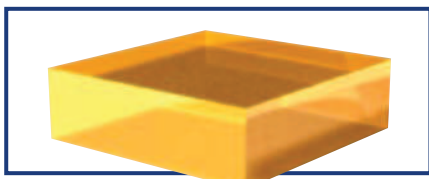
Features:

- High purity synthetic single crystal diamond blanks
- Constant high quality
- Excellent fracture resistance resulting in superior Die life time
- High thermal conductivity, about double that of Natural Diamonds
- Virtually free of impurities, inclusions and cracks that are commonly found in

- Natural Diamonds
- Precise Crystal Orientation: the top and bottom faces are in the (111) orientation and the precision of the orientation is less than 1°
- No grinding necessary, since the parallelism between top and bottom faces is created by cleavage.



SUMICRYSTAL CD



Rectangular shape produced by Laser cutting of the outer circumference
 Top and bottom surfaces are produced by cleavage. The uniform shape facilitates the setting process. Also very suitable for the production of Nozzles and Wire Guides.

Product Number	L	T	Shape
CD1006(111)	1.0 ± 0.1	0.6 ± 0.1	
CD1008(111)	1.0 ± 0.1	0.8 ± 0.1	
CD1210(111)	1.2 ± 0.1	1.0 ± 0.1	
CD1411(111)	1.4 ± 0.1	1.1 ± 0.1	
CD1512(111)	1.5 ± 0.1	1.2 ± 0.1	
CD1814(111)	1.8 ± 0.1	1.4 ± 0.1	
CD2016(111)	2.0 ± 0.1	1.6 ± 0.1	
CD2318(111)	2.3 ± 0.1	1.8 ± 0.1	
CD2520(111)	2.5 ± 0.1	2.0 ± 0.1	

L / T in mm

Other applications:

In addition to the well-known Wire Drawing applications, SUMICRYSTAL CD is also used for the production of Nozzles (e.g. for Water Jet Cutting) and Wire Guides (EDM Wire Cutting).

