

The logo for ILJIN Diamond, featuring the word "ILJIN" in white on a blue square background, followed by the word "Diamond" in a dark grey sans-serif font. The background of the entire page is a close-up, high-speed photograph of a diamond-coated drill bit cutting through a metal workpiece, with bright sparks and coolant spray visible.

ILJIN Diamond

PCD

Polycrystalline Diamond

IPOL

ILJIN Polycrystalline Diamond

	Grade	Grain Size	Property
Coarse	CXLII	40 μ m	Specially designed for superior wear resistance, bi-modal structure
	CXL	25 μ m	Excellent wear resistance with strong diamond bonding. General purposes for high Si% Al alloy composite, bi-modal structure
	CCW	25 μ m	Good wear resistance with special binder and diamond bonding
Medium	CM	10 μ m	General purposes for Al and Al-Si alloy
	CMW	10 μ m	General purpose, easy wire cutting and good impact resistance
Fine	CFW	4 μ m	Good surface finishing
	CUFSII	2 μ m	Good surface finishing
	XUFII	< 1 μ m	Excellent impact resistance and easier tool fabrication
	UFD-M	< 1 μ m	Ultra fine diamond for high performance for Al-alloy milling application

75pi diameter disc available in CM, CMW, CXL

