

NexGen High Precision Tools for Intraocular Lenses



**DLC
COAT**



MMP[®]
TECHNOLOGY
Embedded

High Precision Tools for Intraocular Lenses

Intraocular lenses are artificial lenses that are implanted in the eye to replace the natural crystalline lens in cataract surgery or to correct vision in refractive lens exchange procedures. These lenses require exceptional precision and quality to ensure optimal visual outcomes for patients.

High Precision Tools play a crucial role in the manufacturing of Intraocular Lenses. AXIS brings the most efficient solutions specifically designed for manufacturing of most sophisticated Intraocular lenses.

Application Materials

Hydrophobic



Hydrophilic Acrylic



PMMA



Type of Intraocular Lenses

Aspheric IOLs

Toric IOLs

Accommodating IOLs

Multifocal IOLs

Tool Features & Benefits



Optimised Geometries
Longer tool life

Sharp Cutting Edges
Enhanced performance



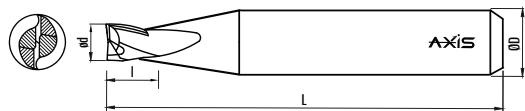
Wider Flute Space
Smooth chip evacuation

Dropless Coated Surface
Excellent surface quality



2 Flute Square End Mill

E964-BN



ød	l	L	ØD h6
0.15	1.0	38	3.175
0.325	1.5	38	3.175
0.40	1.3	38	3.175
0.40	1.5	38	3.175
0.40	2.5	38	3.175
0.50	1.5	38	3.175
0.50	2.0	38	3.175

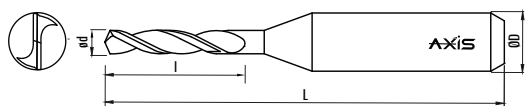
All dimensions in mm otherwise specified

RECOMMENDED CUTTING PARAMETERS

Application Material	Spindle Speed (rpm)	Feed f (mm/min)
Hydrophobic	6000 - 7000	40 - 50
Hydrophilic	6000 - 7000	60 - 70
PMMA	6000 - 7000	90 - 100

Reinforced Shank Drill

T299-SN



ød	l	L	ØD h6
0.075	1.0	38	3.175
0.125	1.75	38	3.175
0.180	2.0	38	3.175
0.200	1.5	38	3.175
0.200	3.5	38	3.175
0.325	2.5	38	3.175

All dimensions in mm otherwise specified

AXIS Benefits

No
Milling Marks

Burr Free
Surface

Excellent
Surface Integrity

Also Available



Counter Sunk
End Mill



Ballnose
End Mill

On Request

Inch size / Special size

Packing

10 Tools / Pack
50 Tools / Pack

Intraocular Lenses



AXIS
Tools for mICRO mACHINING



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QUALITY • PRECISION • CONSISTENCY

