

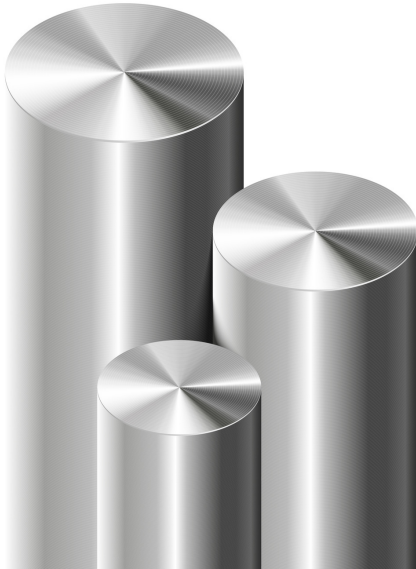


CARBIDE ROD FOR ROTARY CUTTING TOOLS



High Performance Blanks for End Mills, Drills & Micro Tools

Interstitial Alloys, a subsidiary of the Asia Tech Group, is a global company with multiple manufacturing locations and independent companies worldwide.

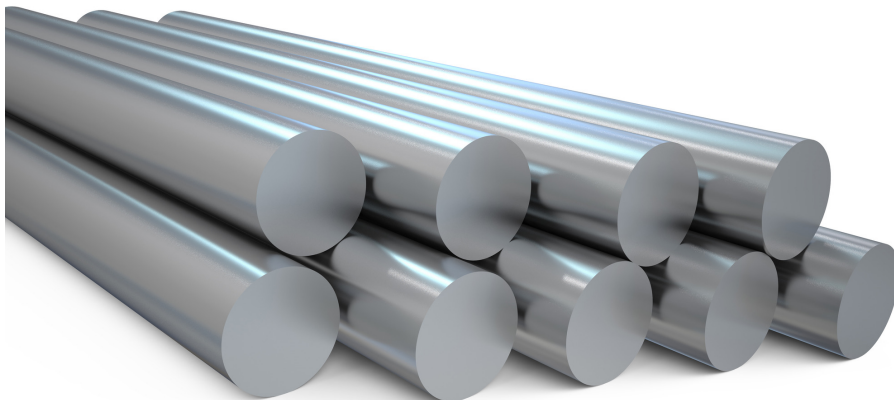


iAlloys, based in Houston, Texas, is responsible for the logistics and distribution of cemented carbide products manufactured by all Asia Tech Group affiliates.

iAlloys utilizes raw materials mined from internal sources, processed in state-of-the-art, ISO Certified manufacturing facilities to provide the highest possible levels of quality and performance.

iAlloys is dedicated to complete customer satisfaction:

- JIT delivery systems
- ISO Certified manufacturing facilities
- Real-time access to order and inventory data
- Complete testing, evaluation and certification
- Decades of hard and superhard materials experience

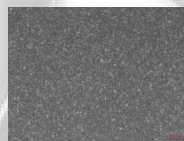




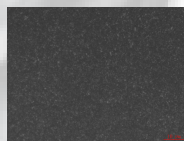
Grade Specifications & Product Range

End Mill & Drill Material Specifications

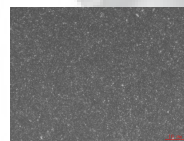
Grade	WC %	Cobalt %	Cr3C2%	Avg. Grain Size µm	Density g/cm ³	Hardness HRA	TRS KPSI	ISO Code
iA304	Balance	10	0.6	0.8	14.45	91.8	522	K20 - K30
iA401	88	12	-	0.6	14.18	92.3	551	K30 - K40
iA204N	91	9	-	0.2	14.50	94.0	551	K10 - K20



iA304



iA401



iA204N

Cut-To-Length End Mill Blanks - Inch and Metric

Diameter Range	Tolerance Specifications	Standard Grade	Specialty Grades
.125" thru 1.500"	h5 & h6	iA304	iA401, iA204N

Diameter Range	Tolerance Specifications	Standard Grade	Specialty Grades
3.175mm thru 38.1mm	h5 & h6	iA304	iA401, iA204N

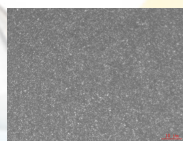
Long Rod 13" / 330mm Blanks - Inch and Metric

Diameter Range	Tolerance Specifications	Standard Grade	Specialty Grade
.125" thru 1.500" Diameter	h5 & h6	iA304	iA401

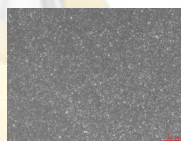
Diameter Range	Tolerance Specifications	Standard Grade	Specialty Grade
3.175mm thru 38.1mm	h5 & h6	iA304	iA401

Micro Tool Material Specifications

Grade	WC %	Cobalt %	Avg. Grain Size µm	Density g/cm ³	Hardness HRA	TRS KPSI	Recommended Tool Diameter	ISO Code
iA104U	93.5	6.5	0.4	14.75	94.0	551	0.4mm - 0.8mm	K05 - K10
iA106U	93.5	6.5	0.4	14.75	94.0	551	.8mm - >3.0mm	K05 - K10



iA104U



iA106U

Micro Tool Blanks - Metric

Diameter Range	Tolerance Specifications	Standard Grades
3.175mm thru 6.35mm	h5 & h6	iA104U, iA106U



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