



Rani Tool Corp.

ALUPRO Turning Inserts

RANI TOOL CORP. introduces a new series of tooling for turning and boring of aluminum

- ★ Popular positive rake styles and sizes
- ★ Radii start at .008"
- ★ Machines aluminum alloys, copper, brass, titanium alloys
- ★ Fully ground for accurate indexing
- ★ Up sharp edges for excellent shearing
- ★ High polish prevents chip welding
- ★ Aggressive RAL chip former breaks chips for safety of work piece finish and reduces downtime for machine cleaning
- ★ **Top quality external toolholders for secure positioning of ALUPRO inserts. Compatible with all industry standard ISO Tools.**
- ★ **Boring Bars with carbide shanks offer excellent rigidity which produce the best surface finishes and hold the best part tolerances. Compatible with all industry standard ISO bars. Steel shanks also available.**

All Inserts Available in **BOTH** **RTK20** and **ALP-XL** Grades!

CCGT-...-RAL I.C..... Radius

CCGT-21.50.5-RAL .....	.250 .....	.008
CCGT-21.51-RAL .....	.250 .....	.016
CCGT-32.50.5-RAL .....	.375 .....	.008
CCGT-32.51-RAL .....	.375 .....	.016
CCGT-431-RAL .....	.500 .....	.016
CCGT-432-RAL .....	.500 .....	.031



TCGT-...-RAL I.C..... Radius

TCGT-21.51-RAL .....	.250 .....	.016
TCGT-32.51-RAL .....	.375 .....	.016



DCGT-...-RAL I.C..... Radius

DCGT-21.50.5 -RAL .....	.250 .....	.008
DCGT-21.51-RAL .....	.250 .....	.016
DCGT-32.50.5-RAL .....	.375 .....	.008
DCGT-32.51-RAL .....	.375 .....	.016
DCGT-32.52-RAL .....	.375 .....	.031



VCGT-...-RAL I.C..... Radius

VCGT-220.5-RAL .....	.250 .....	.008
VCGT-221-RAL .....	.250 .....	.016
VCGT-330.5-RAL .....	.375 .....	.008
VCGT-331-RAL .....	.375 .....	.016
VCGT-332-RAL .....	.375 .....	.031



RTK20 - (C2, K20) Submicrograin substrate with fully ground periphery and polished tops for excellent performance and tool life in all aluminum alloys, copper, brass, plastic and finishing in titanium.

ALP-XL - (C2, K20) Extremely smooth self lubricating surface coupled with the latest coating technology ensures frictionless chip removal resulting in significant increases in tool life when machining materials with less than 10% silicon such as 6061 and 7075 aluminum.

RTC Rani Tool Corp.

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Available from:

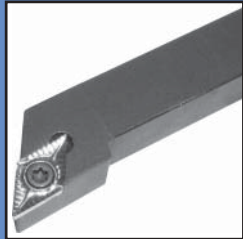
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Rani MAXITURN®

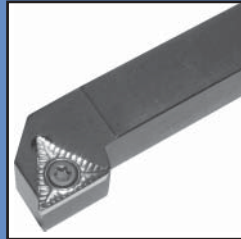
EXTERNAL



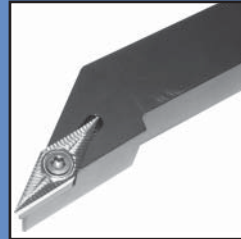
SCLCR/L



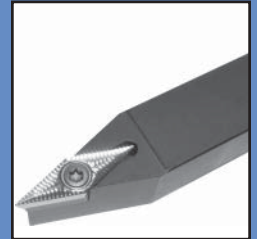
SDJCR/L



STGCR/L



SVJCR/L



SVVCN

SCLCR/L Height Width OAL

SCLCR/L 6-2I	.375	.375	2.5
SCLCR/L 8-3J	.500	.500	3.5
SCLCR/L 10-3A	.625	.625	4.0
SCLCR/L 12-3B	.750	.750	4.5
SCLCR/L 16-3D	1.000	1.000	6.0
SCLCR/L 12-4B	.750	.750	4.5
SCLCR/L 16-4D	1.000	1.000	6.0
SCLCR/L 20-4D	1.250	1.250	6.0

SDJCR/L Height Width OAL

SDJCR/L 6-2I	.375	.375	2.5
SDJCR/L 8-2J	.500	.500	3.5
SDJCR/L 10-2A	.625	.625	4.0
SDJCR/L 12-2B	.750	.750	4.5
SDJCR/L 12-3B	.750	.750	4.5
SDJCR/L 16-3D	1.000	1.000	6.0

STGCR/L Height Width OAL

STGCR/L 6-2I	.375	.375	2.5
STGCR/L 8-2J	.500	.500	3.5
STGCR/L 10-3A	.625	.625	4.0
STGCR/L 12-3B	.750	.750	4.5
STGCR/L 16-3D	1.000	1.000	6.0

SVJCR/L Height Width OAL

SVJCR/L 12-3B	.750	.750	4.5
SVJCR/L 16-3D	1.000	1.000	6.0
SVJCR/L 20-3D	1.250	1.250	6.0

SVVCN Height Width OAL

SVVCN 12-3B	.750	.750	4.5
SVVCN 16-3D	1.000	1.000	6.0
SVVCN 20-3D	1.250	1.250	6.0

INTERNAL



C-SCLCR/L



C-SDUCR/L



C-STFCR/L



C-SVUCR/L

C-SCLCR/L Min. Bore Dia. Length

C06M-SCLCR/L 2	.500	.375	6.00
C08M-SCLCR/L 2	.625	.500	6.00
C10R-SCLCR/L 3	.750	.625	8.00
C12S-SCLCR/L 3	1.000	.750	10.00
C16T-SCLCR/L 3	1.280	1.000	12.00
C16T-SCLCR/L 4	1.280	1.000	12.00

C-SDUCR/L Min. Bore Dia. Length

C06M-SDUCR/L 2	.624	.375	6.00
C08M-SDUCR/L 2	.750	.500	6.00
C10R-SDUCR/L 2	.937	.625	8.00
C12S-SDUCR/L 3	1.000	.750	10.00
C16T-SDUCR/L 3	1.250	1.000	12.00

C-STFCR/L Min. Bore Dia. Length

C06M-STFCR/L 2	.500	.375	6.00
C08M-STFCR/L 2	.625	.500	6.00
C10R-STFCR/L 2	.750	.625	8.00
C12S-STFCR/L 3	1.000	.750	10.00
C16T-STFCR/L 3	1.280	1.000	12.00
C20U-STFCR/L 3	1.530	1.250	14.00

C-SVUCR/L Min. Bore Dia. Length

C12S-SVUCR/L 2	.875	.750	10.00
C16T-SVUCR/L 3	1.140	1.000	12.00

Boring Bars with carbide shanks offer excellent rigidity which produce the best surface finishes and hold the best part tolerances. Steel shanks are also available.