

NTK CUTTING TOOLS

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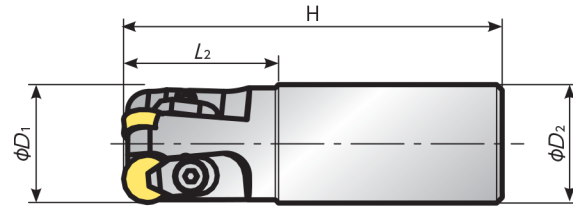
AHM series

accel high speed mill series

- High Performance Milling Cutter line that uses round-shaped inserts for machining both aerospace and hardened steels



A.R.+5°
R.R.-7°30'

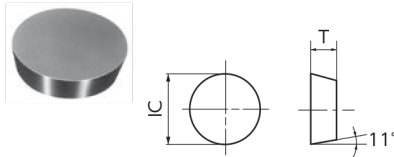


Cutters

Item Number	Stock	Inserts	Dimensions (inch)				Clamp	Clamp Screw	Weight (lbs)	Insert	Price
			ϕD_1	D_2	H	L_2					
RPIW0625E0625R02	●	2	.625	.625	3.160	1.250	C-423978	S-3-48*1/4SHCS	0.2	RPG 21.5	\$XXX.XX
RPIW075E075R02	●	2	.750	.750	3.270	1.220	AMS-3	AOB-3S	0.4	RPG 21.5	\$XXX.XX
RPIW100E100R03	●	3	1.000	1.000	3.270	1.000	AMS-4	AOB-4S	0.6	RPG 32	\$XXX.XX
RPIW125E125R03	●	3	1.250	1.250	4.000	1.640	AMS-5T	AOB-5S-T25	1.1	RPG 43	\$XXX.XX
RPIW150E150R03	●	3	1.500	1.500	4.000	1.830			1.6		\$XXX.XX

Inserts

- Excellent notch wear resistance
- Better flank wear resistance compared to competitor's silicon nitride ceramics
- Superior toughness compared to whisker-reinforced ceramics
- Best thermal shock resistance
- Best grade for roughing Inco 718 with scale



Item Number	IC	Price
RPG 21.5 T0220	1/4	\$XXX.XX
RPG 32 T0220	3/8	\$XXX.XX
RPG 43 E01	1/2	\$XXX.XX

Work material	Application	Purpose	Cutting speed (SFM)	Feed (IPR / IPT)	Depth of cut (inch)	DRY	WET
Heat resistant alloy	Turning	Rough scale	600-800	.008-.014	.040-.200		●
		Rough no scale	600-800	.008-.016	.040-.100		●
		Semi finish / profiling	600-800	.004-.012	.040-.080		●
	Milling	-	1500-3500	.004-.006	.040-.100	●	

Grade	Dry	Wet	Cutting Speed (SFM)							Feed (IPT)					Depth of Cut (inch)		
			200	700	1200	1700	2200	2700	3200	3700	.002	.003	.004	.005		.006	.007
SX9	●																~.150



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