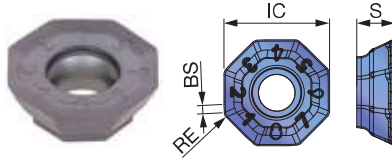
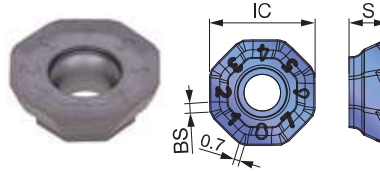


## INSERT

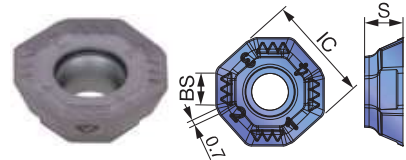
OWMT05T3AFER-MM



OWHT05T3C07AFER-MM



OWHT05T3C07AFER-MW



Designation	RE	APMX	Coated		IC	S	BS
			AH120	AH3135			
OWMT05T3AFER-MM	0.031	0.12	●	●	0.489	0.18	0.039
OWHT05T3C07AFER-MM	-	0.12	●	●	0.488	0.18	0.045
OWHT05T3C07AFER-MW	-	0.12	●	●	0.488	0.18	0.146

★ : First choice  
☆ : Second choice

● : Line up

## STANDARD CUTTING CONDITIONS

ISO	Workpiece material	Hardness	Priority	Grade	Chip-breaker	Cutting speed Vc (sfm)	Feed per tooth fz (ipt)
P	Low carbon steel (1015, 1020, etc.)	- 200 HB	First choice	AH3135	MM	325 - 980	0.002 - 0.014
			Wear resistance	AH120	MM	325 - 980	0.002 - 0.014
	High carbon and alloy steel (1055, 4140, etc.)	- 300 HB	First choice	AH3135	MM	325 - 820	0.002 - 0.012
			Wear resistance	AH120	MM	325 - 820	0.002 - 0.012
M	Prehardened steel (NAK80, PX5, etc.)	30 - 40 HRC	First choice	AH3135	MM	260 - 655	0.002 - 0.012
			Wear resistance	AH120	MM	260 - 655	0.002 - 0.012
	Austenitic stainless steel (304, 316, etc.)	- 200 HB	First choice	AH3135	MM	325 - 655	0.002 - 0.014
			Wear resistance	AH120	MM	325 - 655	0.002 - 0.014
Martensitic stainless steel (420, etc.)	- 220 HB	First choice	AH3135	MM	325 - 980	0.002 - 0.012	
		Wear resistance	AH120	MM	325 - 980	0.002 - 0.012	
K	Gray cast iron (No.250B, etc.)	150 - 250 HB	First choice	AH120	MM	325 - 980	0.002 - 0.014
			Fracture resistance	AH3135	MM	325 - 980	0.002 - 0.014
	Ductile cast iron (80-55-06, etc.)	150 - 250 HB	First choice	AH120	MM	260 - 820	0.002 - 0.012
			Fracture resistance	AH3135	MM	260 - 820	0.002 - 0.012
S	Titanium alloys (Ti-6Al-4V, etc.)	-	First choice	AH3135	MM	95 - 195	0.002 - 0.008
			Wear resistance	AH120	MM	95 - 195	0.002 - 0.008
	Heat-resistant alloys (Inconel718, etc.)	-	First choice	AH120	MM	65 - 160	0.002 - 0.006
			Fracture resistance	AH3135	MM	65 - 160	0.002 - 0.006
H	Hardened steel (H13, etc.)	40 - 50 HRC	First choice	AH3135	MM	225 - 425	0.002 - 0.006
			Wear resistance	AH120	MM	225 - 425	0.002 - 0.006