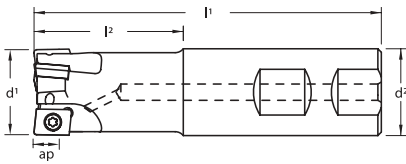


# TA90 MILLING CUTTERS

The newly developed TA90 end and face mills, in conjunction with our new Widia AONT carbide inserts, deliver exceptional performance in all milling applications. The strengthened inserts offer excellent results in slotting, as well as peripheral milling.

Although designed for rapid metal removal, the TA90 still produces excellent surface finishes. The insert is available in 3 cutting geometries, ML for light machining, MM for medium machining and MH for heavy machining. To ensure utmost performance on all materials, these inserts are available in a variety of high performance milling grades.

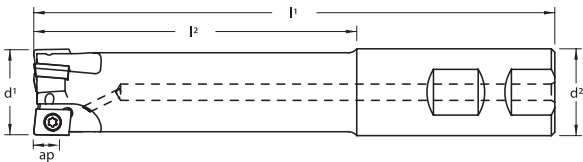
### REGULAR LENGTH END MILLS WITH COOLANT THROUGH



Designation	Dimensions						Insert	Spare Parts	
	d <sup>1</sup>	d <sup>2</sup>	ap	l <sup>1</sup>	l <sup>2</sup>	Flutes		Insert Screw	Wrench
TA90-0750C	.750	.750	.33	3.50	1.46	2	AONT-10T308	214.80.672	214.80.866 (S/D) 214.80.011 (F/T)
TA90-1000-4C	1.000	1.000	.33	4.00	1.71	3			
TA90-1250C	1.250	1.250	.33	4.00	1.71	4			
TA90-1500C	1.500	1.250	.33	4.40	--	5			

Remember to use COPASLIP® anti-seize compound on all insert screws.

### EXTENDED LENGTH END MILLS WITH COOLANT THROUGH

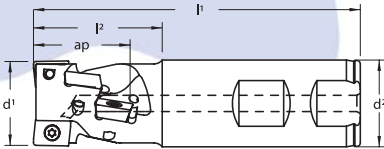


Designation	Dimensions						Insert	Spare Parts	
	d <sup>1</sup>	d <sup>2</sup>	ap	l <sup>1</sup>	l <sup>2</sup>	Flutes		Insert Screw	Wrench
TA90-0750-XLC	.750	.750	.33	6.00	3.96	2	AONT-10T308	214.80.672	214.80.866 (S/D) 214.80.011 (F/T)
TA90-1000-XLC	1.000	1.000	.33	6.00	3.71	3			
TA90-1250-XLC	1.250	1.250	.33	6.00	3.71	4			
TA90-1500-XLC	1.500	1.250	.33	8.00	--	5			

Remember to use COPASLIP® anti-seize compound on all insert screws.

# TAQO MILLING CUTTERS

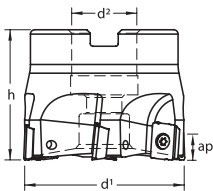
## HELICAL END MILLS WITH COOLANT THROUGH



Designation	Dimensions						Insert	Spare Parts		
	d <sup>1</sup>	d <sup>2</sup>	ap	l <sup>1</sup>	l <sup>2</sup>	Flutes		# of inserts	Insert Screw	Wrench
THA90-1000	1.000	1.000	1.10	3.77	1.49	2	6	AONT-10T308	214.80.672	214.80.866 (S/D)
THA90-1250	1.250	1.250	1.45	4.33	2.05	3	12		214.80.011 (F/T)	

Remember to use COPASLIP® anti-seize compound on all insert screws.

## FACE MILLS

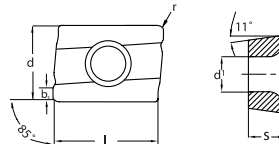


Designation	Dimensions						Insert	Spare Parts	
	d <sup>1</sup>	d <sup>2</sup>	ap	h	Flutes	lbs		Insert Screw	Wrench
TA90-2000	2.00	.750	.33	1.50	6	.75	AONT-10T308	214.80.672	214.80.866 (S/D)
TA90-2500	2.50	1.000	.33	1.75	7	1.55		214.80.011 (F/T)	
TA90-3000	3.00	1.000	.33	2.00	8	2.35			
TA90-4000	4.00	1.500	.33	2.00	10	3.15			

Remember to use COPASLIP® anti-seize compound on all insert screws.

## INSERTS FOR TAQO MILLING CUTTERS

- ML for light machining, especially suited for stainless steels, including austenitic and martensitic
- MM for medium range metal removal with reinforced cutting edge
- MH for heavy machining (scale, severe interruptions)



Designation	l	s	r	d	d <sup>1</sup>	b <sup>5</sup>	AONT-10T308- ...											
							Coated			Uncoated			Cemet					
							TN7525	TN7535	TN25M	TN450	TN5515	TTM	TTR	THM	THR	TT125		
AONT-10T308-ML	.407	.156	.031	.297	.134	.039	●	●	●	●	●			●		●		
AONT-10T308-MM	.407	.156	.031	.297	.134	.039	●	●	●	●	●	●	●			●		
AONT-10T308-MH	.407	.156	.031	.297	.134	.039	●	●	●	●	●	●	●			●		



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