

YE-YM16
METRIC



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Note The new address above has currently been updated since Korean new postal standard was valid from 2014.
Be noticed that the physical Headquarter location is NOT changed.



Tool specifications are subject to change without prior notice.

YG1YEYM160830001

YG MILL **PRO290⁺ SERIES**

Introducing a family of tools with unique pocket design
providing a "True 90° shoulder" with the highest helix
available today, for a wide range of materials

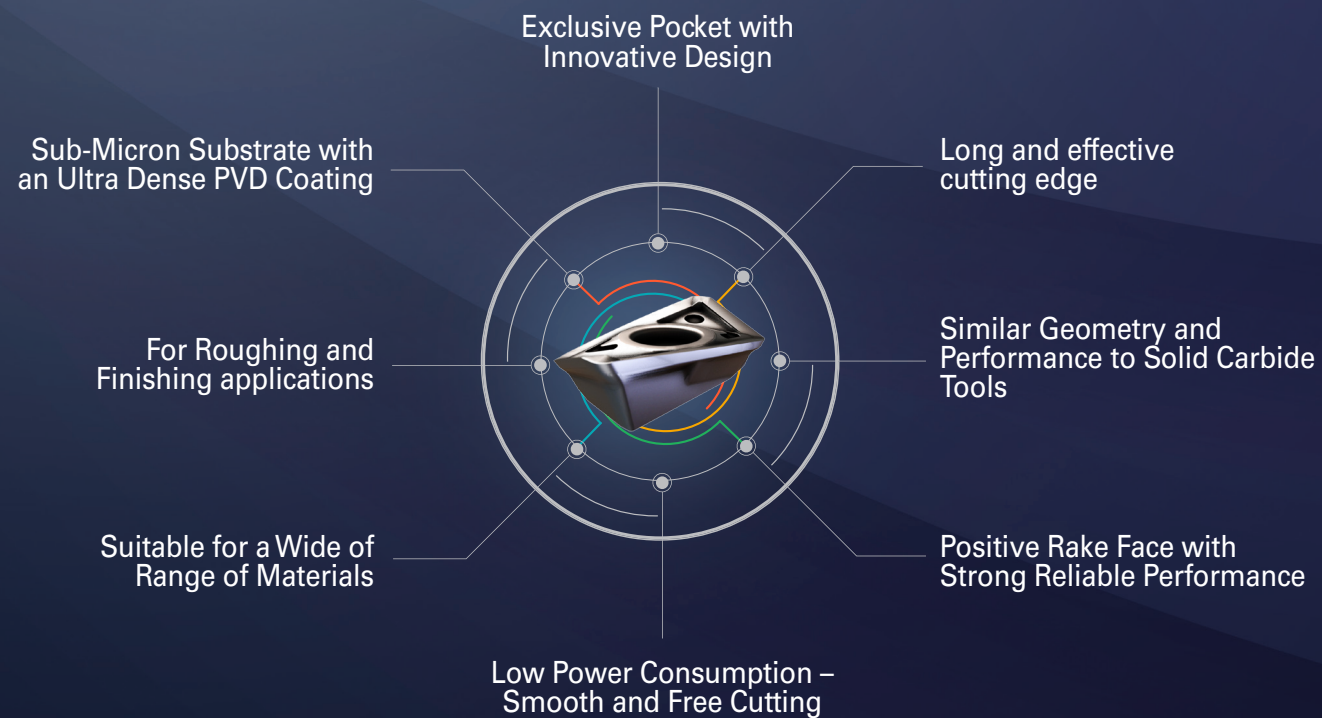
YG YG-1 CO., LTD.



YG-1 is proud to Introduce the UNIQUE

YG MILL PRO290+ SERIES

Introducing a family of tools with unique pocket design providing a “True 90° shoulder” with the highest helix available today, for a wide range of materials

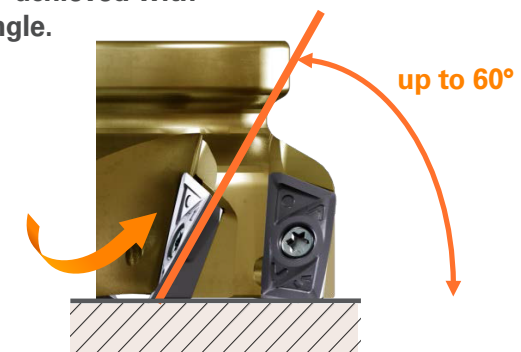


For use in all industries including Aerospace, Automotive, Die & Mold, and General Machining

New Unique Helical Geometry



Excellent Chip Evacuation, Smooth cutting, Reduced Cutting Forces and Longer Tool life - achieved with the Positive Rake Angle.



Unique insert geometry maintains a True 90° Shoulder. This High Helix achieves fine surface finish and prevents miss-match.



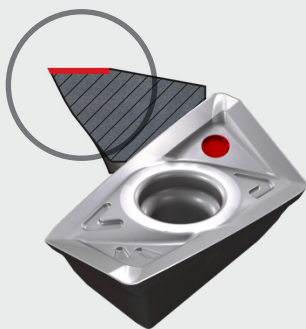
3 types of inserts with 3 different types of geometry can be applied in the same pocket to optimize cutting of a particular type of material.

3 in 1

3 insert geometries for use in the same cutter pocket

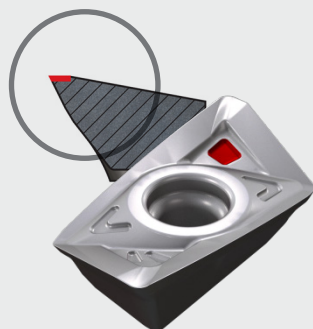


First Choice



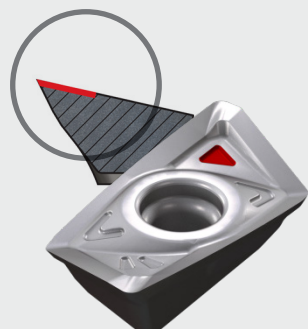
● ADKT- **N**

Reinforced cutting edge
For General Milling
Applications in most
materials



■ ADKT- **P**

Light positive cutting edge,
Low cutting forces &
Low feed rates.
For Stainless Steel
Machining Applications.



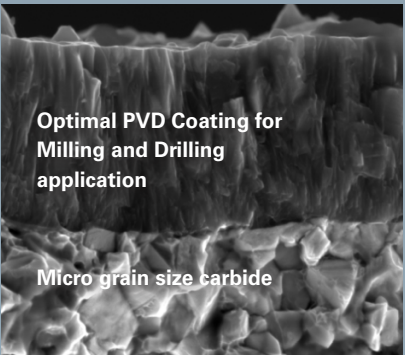
▲ ADKT- **A**

Super positive cutting edge
For Non-Ferrous Machining
Applications (N)

Hard ←-----→ Soft
Materials

YG-1 Universal grades are designed for multi-purpose applications and are extremely efficient in covering materials such as Steel, Stainless steels and Cast iron.

Grade YG602 Features

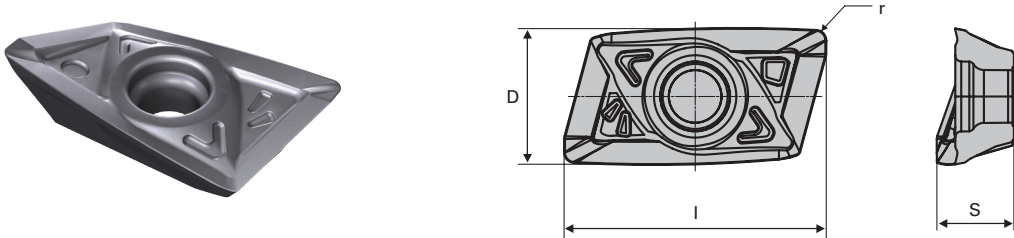


- Ultra dense PVD Coating with Optimal Thermal Resistance - BOTH Harder & Stronger
- Sub-Micron Substrate designed for Demanding Applications

Workpiece material / Geometry

ISO/ANSI		Chip Breaker		
		N	P	A
Steel	P	⊙	○	
Stainless Steel	M	○	⊙	○
Cast Iron	K	○		
Aluminum	H		○	⊙

⊙ : Recommended ○ : Possible

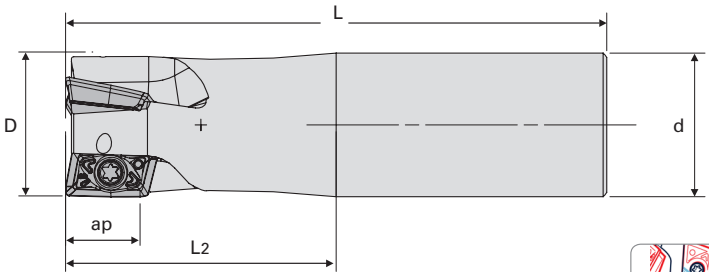


Designation	Grade	Dimensions				
		I	D	S	r	Cutting Edge
ADKT 140404N	YG602	14.52	6.94	3.90	0.4	N 
ADKT 140408N	YG602	14.52	6.94	3.90	0.8	
ADKT 140404P	YG602	14.52	6.94	3.90	0.4	P 
ADKT 140408P	YG602	14.52	6.94	3.90	0.8	
ADKT 140404A	YG602	14.52	6.94	3.90	0.4	A 
ADKT 140408A	YG602	14.52	6.94	3.90	0.8	

Applications



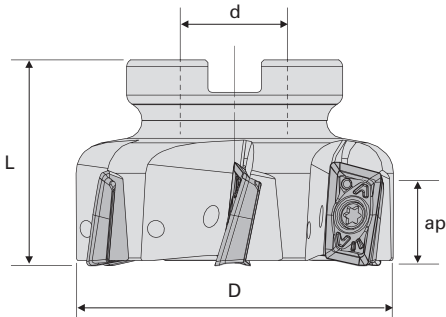
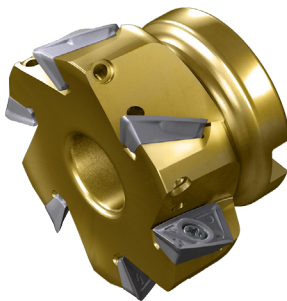
ADKT14 – Shank Type



Designation	Dimensions									Spare part	
	D	d	L	L2	z	ap	Shank	Coolant	Ramping(°)	Screw	Wrench
YGM290-16Z2S16P85-14	16	16	85	25	2	12	Plain	Y	8	TP072505	TPWFTP07
YGM290-20Z3S20P110-14	20	20	110	30	3	12	Plain	Y	5		
YGM290-25Z3S25P115-14	25	25	115	35	3	12	Plain	Y	4		
YGM290-32Z5S32P120-14	32	32	120	45	5	12	Plain	Y	3		

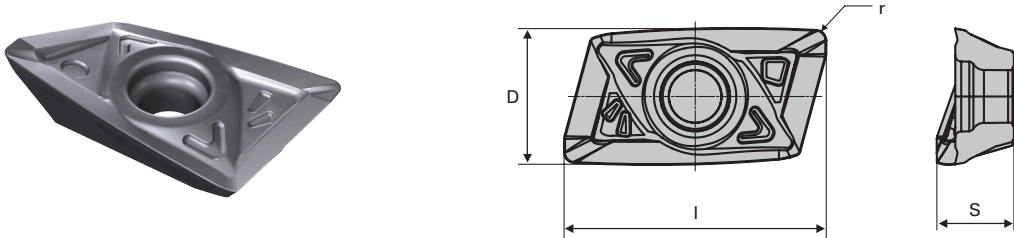
* Designation and dimension will be changed according to market needs.

ADKT14 – Cutter Type



Designation	Dimensions							Spare part	
	D	d	L	z	ap	Coolant	Ramping(°)	Screw	Wrench
YGM290-40Z6C16-14	40	16	40	6	12	Y	2	TP072505	TPWFTP07
YGM290-50Z8C22-14	50	22	40	8	12	Y	1		
YGM290-63Z8C22-14	63	22	40	8	12	Y	-		
YGM290-80Z9C27-14	80	27	50	9	12	Y	-		
YGM290-100Z11C32-14	100	32	63	11	12	Y	-		

* Designation and dimension will be changed according to market needs.

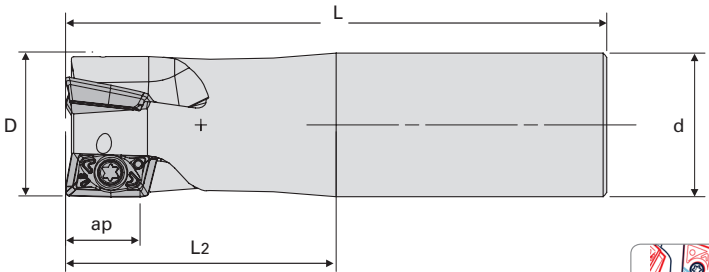


Designation	Grade	Dimensions				Cutting Edge
		I	D	S	r	
ADKT 200504N	YG602	20.30	10.78	5.55	0.4	
ADKT 200508N	YG602	20.30	10.78	5.55	0.8	
ADKT 200512N	YG602	20.30	10.78	5.55	1.2	
ADKT 200516N	YG602	20.30	10.78	5.55	1.6	
ADKT 200504P	YG602	20.30	10.78	5.55	0.4	
ADKT 200508P	YG602	20.30	10.78	5.55	0.8	
ADKT 200512P	YG602	20.30	10.78	5.55	1.2	
ADKT 200516P	YG602	20.30	10.78	5.55	1.6	
ADKT 200504A	YG602	20.30	10.78	5.55	0.4	
ADKT 200508A	YG602	20.30	10.78	5.55	0.8	
ADKT 200512A	YG602	20.30	10.78	5.55	1.2	
ADKT 200516A	YG602	20.30	10.78	5.55	1.6	

Applications



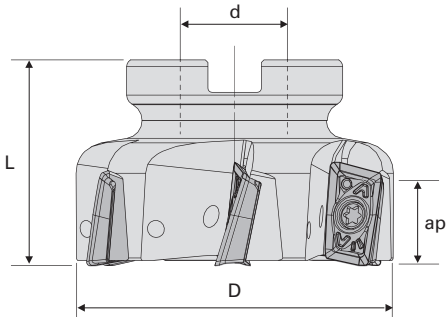
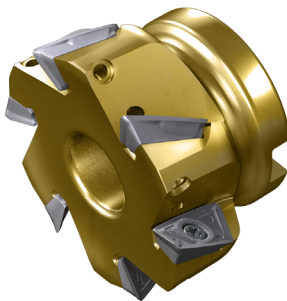
ADKT20 – Shank Type



Designation	Dimensions									Spare part	
	D	d	L	L2	z	ap	Shank	Coolant	Ramping(°)	Screw	Wrench
YGM290-25Z2S25P110-20	25	25	110	35	2	17	Plain	Y	6	TP154808	TPWFTP15
YGM290-32Z2S32P125-20	32	32	125	45	2	17	Plain	Y	4		
YGM290-32Z3S32P120-20	32	32	120	45	3	17	Plain	Y	4		

* Designation and dimension will be changed according to market needs.

ADKT20 – Cutter Type



Designation	Dimensions							Spare part	
	D	d	L	z	ap	Coolant	Ramping(°)	Screw	Wrench
YGM290-40Z4C16-20	40	16	40	4	16	Y	3	TP154808	TPWFTP15
YGM290-50Z5C22-20	50	22	40	5	16	Y	2		
YGM290-63Z6C22-20	63	22	40	6	16	Y	1.5		
YGM290-80Z7C27-20	80	27	50	7	16	Y	-		
YGM290-100Z8C32-20	100	32	63	8	16	Y	-		
YGM290-125Z9C40-20	125	40	63	9	16	Y	-		

* Designation and dimension will be changed according to market needs.



HIGH QUALITY PRODUCTS AND ON THE DELIVERY FOR WORLD-WIDE CUSTOMERS

Since 1982, our commitment to quality, reliability and striving for constant innovation has allowed us to expand our market share and our partners' global network. As one of the main leading tool manufacturers, we are dedicated in offering a unique customer experience by delivering high quality cutting tool solutions around the world. In order to be responsive and to offer local solutions, YG-1 has established a global network over 75 countries and has set up international logistic centers. This is our pledge to provide the best service in order to satisfy our customers' needs at all time.

GLOBAL COMPANY



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