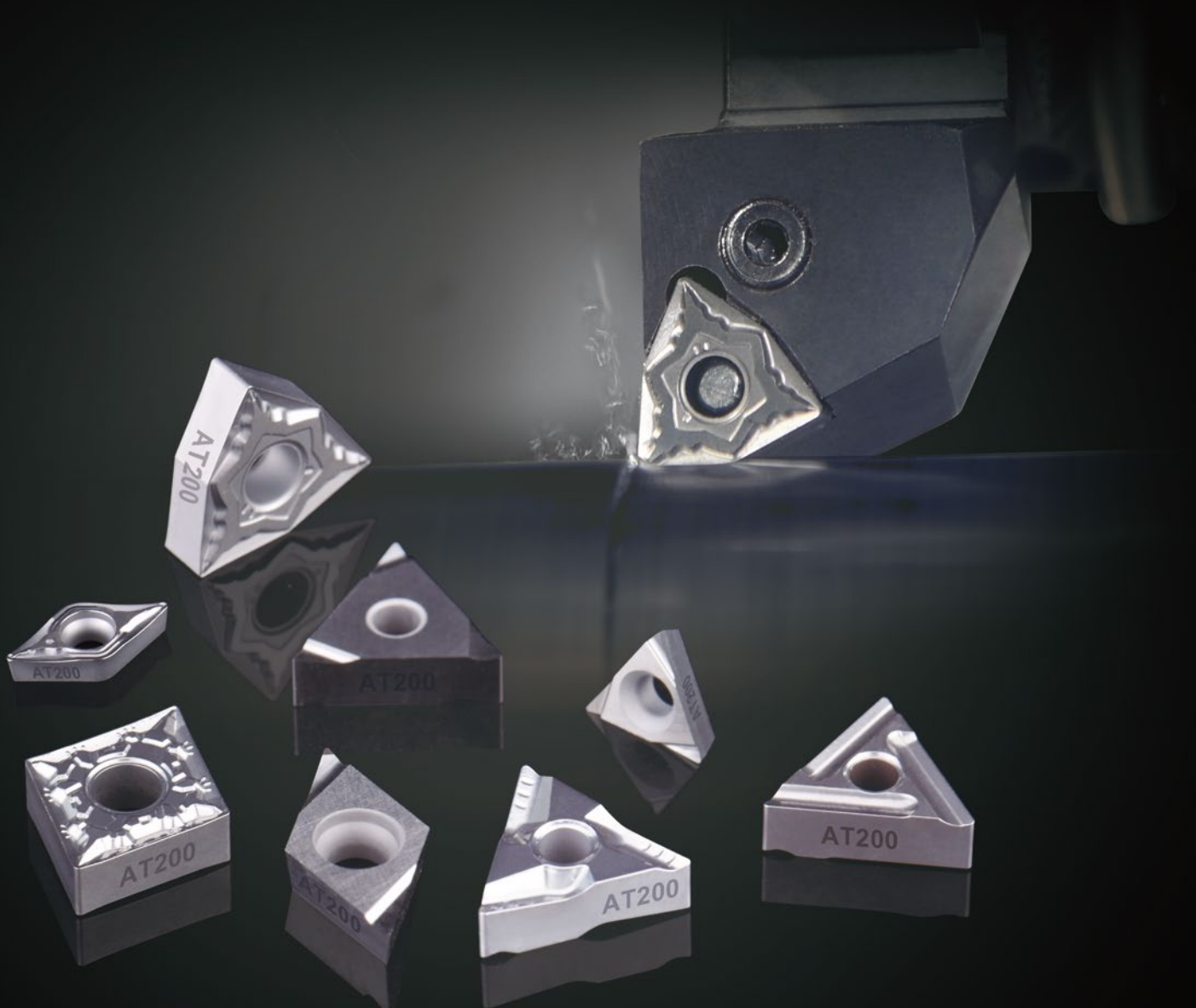


ACHTECK

NEW
PRODUCT!

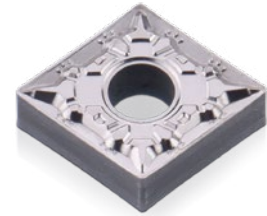
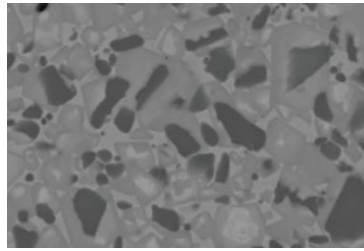
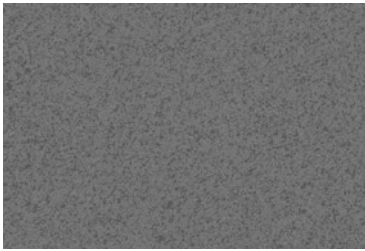
AT200

Cermet insert



www.achtecktool.com

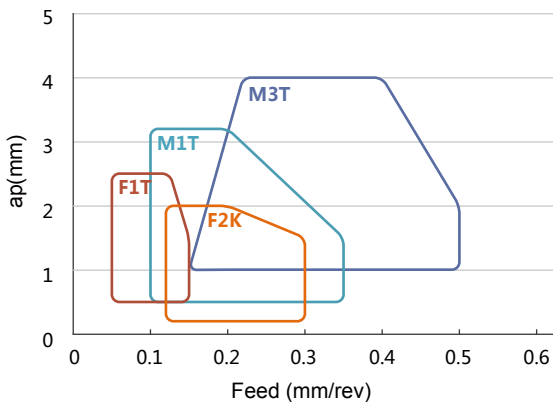
◆ AT200



- Uniform double-layer structure realizes finishing and semi-finishing, achieving good wear resistance and anti-collapse
- Core-shell structure formed by cobalt-nickel binder and high melting point compound, achieving high heat resistance and chipping resistance
- Excellent surface treatment, reduce adhesion, improve processing surface and extend tool life

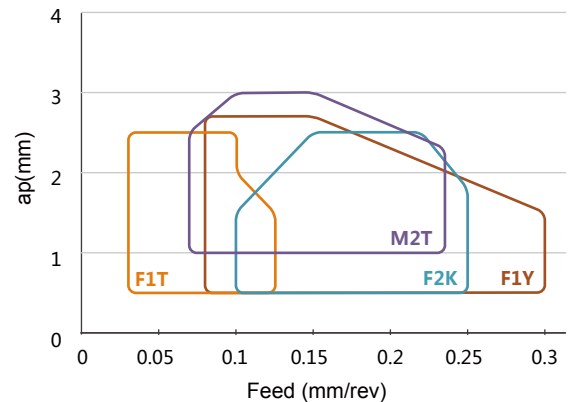
◆ Chip breaker application

M-class negative insert



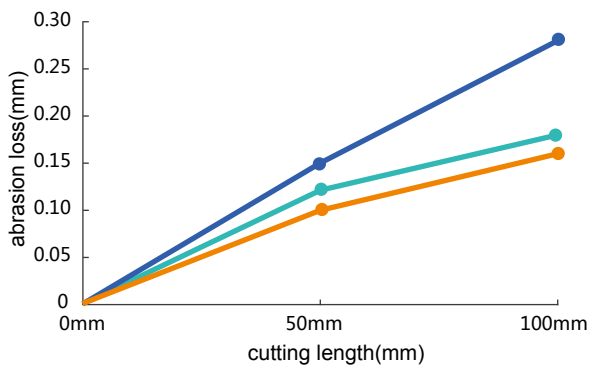
F1T: Low cutting force, suitable for finishing.
 F2K: With good cutting treatment and strong universality, suitable for finishing and semi-finishing.
 M1T: Large rake angle and low resistance, suitable for different deep-cutting conditions.
 M3T: smooth front angle, suitable for medium rough machining with large feed.

M-class positive insert



F1T: Low cutting force, good chip breaking ability, suitable for finishing.
 F2K: Universal chipbreaker, suitable for finishing and semi-finishing
 M2T: Suitable for semi finishing
 F1Y: Suitable for finishing, semi finishing

◆ Continuous high speed wear resistance



Material to be processed: 40CrNiMo(HB280-310)
 Insert tool type: CNMG120408-F2K AT200
 Vc=300m/min f=0.15mm/rev ap=1.0mm Dry

— Achteck
 — Competitor B
 — Competitor C



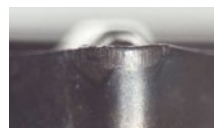
Achteck



Competitor B



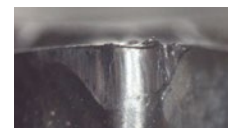
Competitor C



Achteck



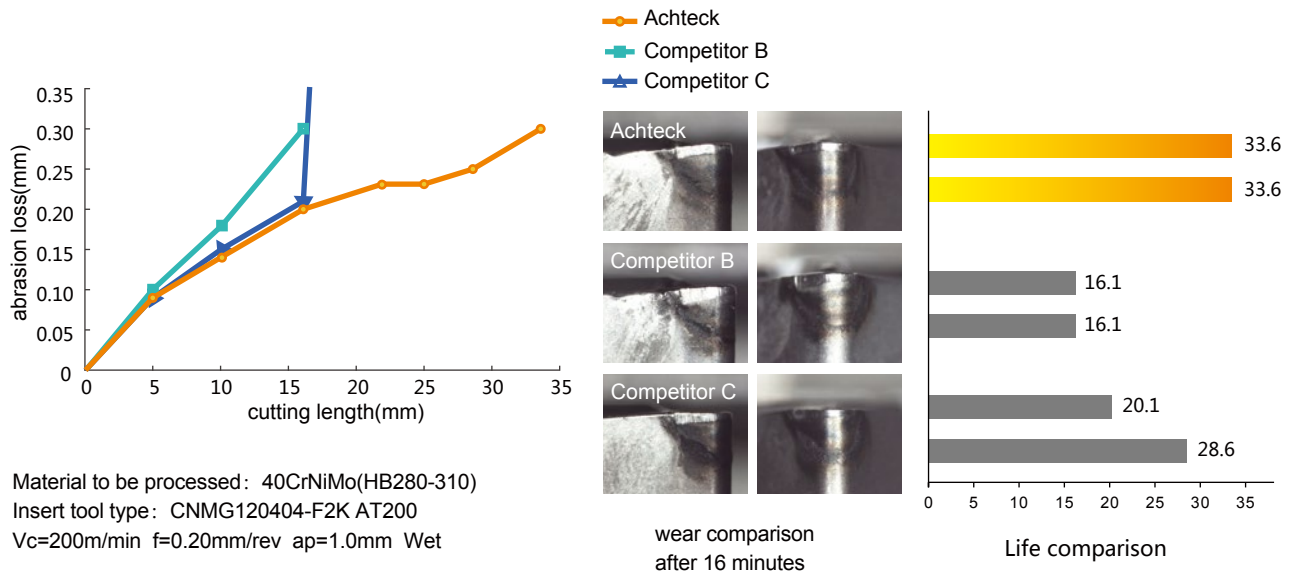
Competitor B



Competitor C

- Continuous cutting can achieve excellent wear resistance and ensure the accuracy control of the material to be cut

Stable cutting life

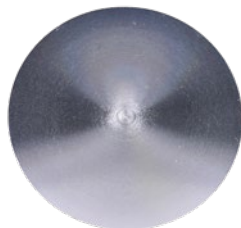
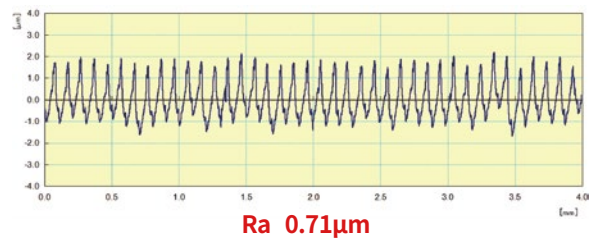
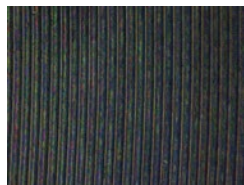


Excellent processing quality

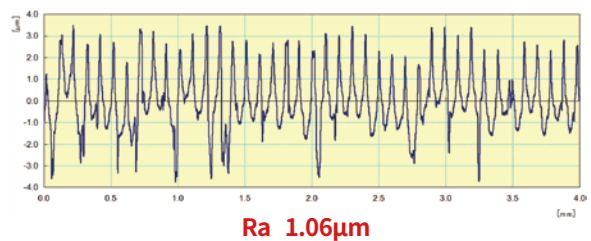
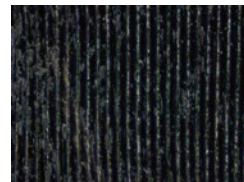
Material to be processed: 45#
 Insert tool type: CNMG120404-F2K AT200
 Vc=242~0m/min ap=1.0mm f=0.1mm/rev Wet



Achteck



Other company



Recommended cutting parameter

Cutting speed: Vc(m/min)

	Low-carbon steel HB: below 150	Carbon steel HB: below 250	High-carbon steel HB: below 300
AT200	100 - 250 - 350	100 - 230 - 330	100 - 200 - 300

◆ Cases

Workpiece: cross axle

Material: S45C

Insert: CNMG120404 FK2 AT200

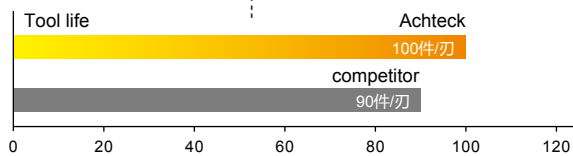
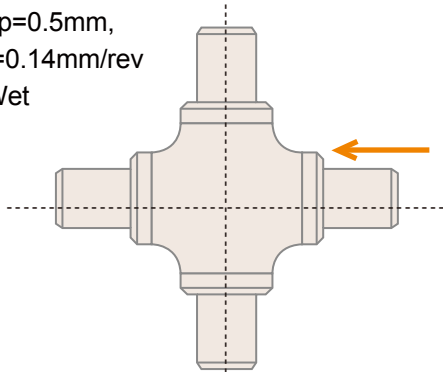
Cutting parameter:

$V_c=226\text{m/min}$

$a_p=0.5\text{mm}$,

$f=0.14\text{mm/rev}$

Wet



AT200 has a 10% longer life compared to other companies' products and is superior cost-effective.

Workpiece: pipe joint

Material: Q235

Insert: TNMG160404R-M3T AT200

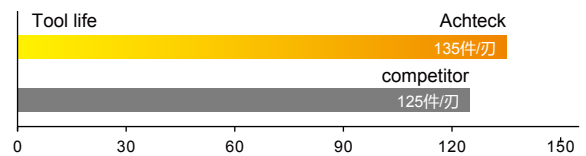
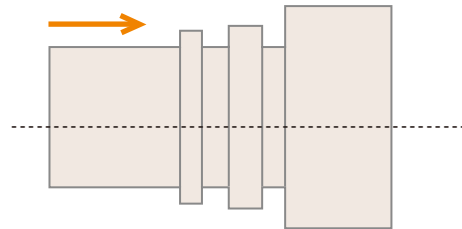
Cutting parameter:

$V_c=125\sim135\text{m/min}$

$a_p=1.0\sim0.5\text{mm}$,

$f=0.36\sim0.15\text{mm/rev}$

Wet



Rough and finish machining at the same time, with a stable performance, excellent workpiece surface roughness, no chipping

Workpiece: hydraulic fitting

Material: S45C

Insert: TNGG 160404R-C AT200

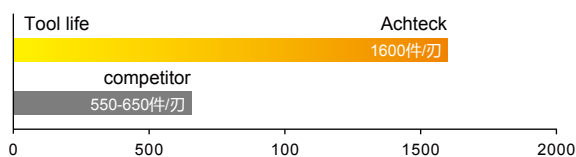
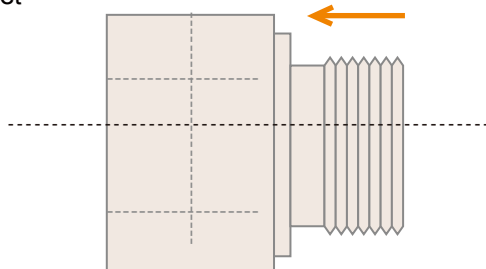
Cutting parameter:

$V_c=125\text{m/min}$

$a_p=1.8\text{mm}$,

$f=0.15\sim0.20\text{mm/rev}$

Wet



300% longer life, stable performance

Workpiece: Pillar support

Material: S45C

Insert: TPGT110304FL-F AT200

Cutting parameter:

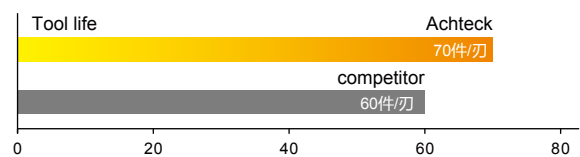
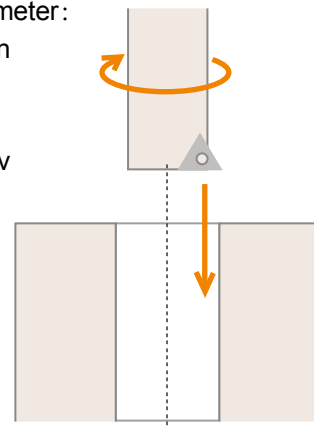
$V_c=306\text{m/min}$

$a_p=127\text{mm}$,

$a_e=0.12\text{mm}$,

$f=0.06\text{mm/rev}$

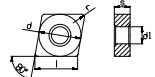
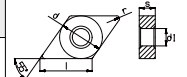
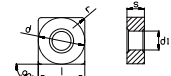
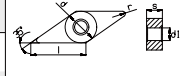
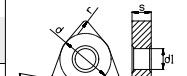
Wet



Rotary boring, tool wear resistance is superior to other companies', meanwhile ensuring an extraordinary machined surface

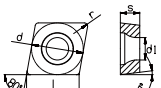
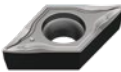
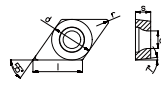
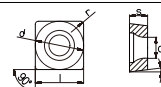
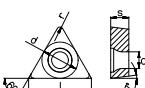
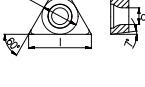
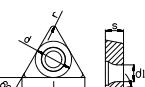
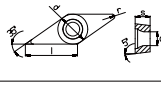
Product list

Negative M-class insert

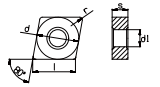
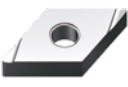
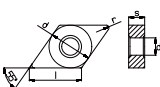
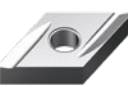
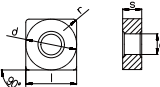
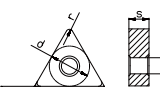
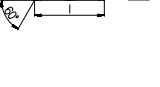
Insert	Designation	Recommended parameter		Dimension(mm)					Grade	Geometry
		Feed	Cutting depth	d	l	s	d1	r	Mental ceramic	
									(mm/rev)	
	CNMG 120404-F2K	0.12-0.30	0.20-2.0	12.7	12.89	4.76	5.16	0.4	●	
	120408-F2K	0.12-0.30	0.20-2.0	12.7	12.89	4.76	5.16	0.8	●	
	DNMG 150404R-M1T	0.10-0.35	0.70-4.5	12.7	15.49	4.76	5.16	0.4	●	
	150404L-M1T	0.10-0.35	0.70-4.5	12.7	15.49	4.76	5.16	0.4	●	
	DNMG 150404-F2K	0.10-0.30	0.50-2.0	12.7	15.49	4.76	5.16	0.4	●	
	150408-F2K	0.10-0.30	0.50-2.0	12.7	15.49	4.76	5.16	0.8	●	
	SNMG 120404-M3T	0.12-0.40	1.0-4.0	12.7	12.7	4.76	5.16	0.4	●	
	120408-M3T	0.17-0.55	1.2-0.4	12.7	12.7	4.76	5.16	0.8	●	
	TNMG 160404-F1T	0.08-0.20	0.05-2.0	9.525	16.50	4.76	3.81	0.4	●	
	160408-F1T	0.08-0.20	0.05-2.0	9.525	16.50	4.76	3.81	0.8	●	
	TNMG 160404-F1Y	0.08-0.20	0.05-2.0	9.525	16.50	4.76	3.81	0.4	●	
	160408-F1Y	0.08-0.20	0.05-2.0	9.525	16.50	4.76	3.81	0.8	●	
	TNMG 160404-F2K	0.08-0.22	0.40-2.0	9.525	16.50	4.76	3.81	0.4	●	
	160408-F2K	0.08-0.22	0.40-2.0	9.525	16.50	4.76	3.81	0.8	●	
	TNMG 160404R-M1T	0.10-0.30	0.70-3.5	9.525	16.50	4.76	3.81	0.4	●	
	160404L-M1T	0.10-0.30	0.70-3.5	9.525	16.50	4.76	3.81	0.4	●	
	160408R-M1T	0.10-0.30	0.70-3.5	9.525	16.50	4.76	3.81	0.8	●	
	160408L-M1T	0.10-0.30	0.70-3.5	9.525	16.50	4.76	3.81	0.8	●	
	TNMG 160404R-M2T	0.20-0.40	1.0-4.0	9.525	16.50	4.76	3.81	0.4	●	
	160404L-M2T	0.20-0.40	1.0-4.0	9.525	16.50	4.76	3.81	0.4	●	
	160408R-M2T	0.20-0.40	1.0-4.0	9.525	16.50	4.76	3.81	0.8	●	
	160408L-M2T	0.20-0.40	1.0-4.0	9.525	16.50	4.76	3.81	0.8	●	
	TNMG 160404-M3T	0.12-0.40	1.0-4.0	9.525	16.50	4.76	3.81	0.4	●	
	160408-M3T	0.17-0.55	1.2-4.0	9.525	16.50	4.76	3.81	0.8	●	
	VNMG 160404-F2K	0.08-0.30	0.50-1.50	9.525	16.61	4.76	3.81	0.4	●	
	160408-F2K	0.08-0.30	0.50-1.50	9.525	16.61	4.76	3.81	0.8	●	
	VNMG 160404-M3T	0.15-0.36	1.0-3.0	9.525	8.69	4.76	3.81	0.4	●	
	160408-M3T	0.17-0.36	1.0-3.0	9.525	8.69	4.76	3.81	0.8	●	
	WNMG 080404-F1Y	0.08-0.20	0.05-2.0	12.7	8.69	4.76	5.16	0.4	●	
	080408-F1Y	0.08-0.20	0.05-2.0	12.7	8.69	4.76	5.16	0.8	●	
	WNMG 080404-F1T	0.05-0.15	0.50-2.5	12.7	8.69	4.76	5.16	0.4	●	
	080408-F1T	0.05-0.15	0.50-2.5	12.7	8.69	4.76	5.16	0.8	●	
	WNMG 080404-F2K	0.08-0.22	0.40-2.0	12.7	8.69	4.76	5.16	0.4	●	
	080408-F2K	0.08-0.22	0.40-2.0	12.7	8.69	4.76	5.16	0.8	●	
	WNMG 080404-M3T	0.12-0.40	1.0-4.0	12.7	8.69	4.76	5.16	0.4	●	
	080408-M3T	0.17-0.55	1.2-4.0	12.7	8.69	4.76	5.16	0.8	●	

Remark : ● represent for standard stock

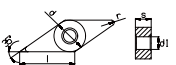
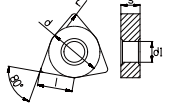
Positive M-class insert

Insert	Designation	Recommended parameter		Dimension(mm)					Grade	Geometry
		Feed	Cutting depth	d	l	s	d1	r	Mental ceramic	
									AT200	
(mm/rev)	(mm)	(mm)	(mm)	(mm)	(mm)	(mm)	(mm)	(mm)		
	CCMT 060204-F1T	0.05-0.15	0.30-1.5	6.35	6.45	2.38	2.8	0.4	●	
	09T304-F1T	0.07-0.20	0.40-2.0	9.525	9.67	3.97	4.4	0.4	●	
	09T308-F1T	0.10-0.25	0.60-2.0	9.525	9.67	3.97	4.4	0.8	●	
	CCMT 060202-F2K	0.08-0.20	0.50-1.5	6.35	6.45	2.38	2.8	0.2	●	
	060204-F2K	0.08-0.20	0.50-1.5	6.35	6.45	2.38	2.8	0.4	●	
	09T302-F2K	0.10-0.22	0.50-2.0	9.525	9.67	3.97	4.4	0.2	●	
	09T304-F2K	0.10-0.22	0.50-2.0	9.525	9.67	3.97	4.4	0.4	●	
	CCMT 060202-M2T	0.07-0.20	0.50-2.0	6.35	6.45	2.38	2.8	0.2	●	
	060402-M2T	0.07-0.20	0.50-2.0	6.35	6.45	2.38	2.8	0.2	●	
	09T304-M2T	0.70-3.50	0.10-0.25	9.525	9.67	3.97	4.4	0.4	●	
	09T308-M2T	0.13-0.30	1.00-3.50	9.525	9.67	3.97	4.4	0.8	●	
	DCMT 070204-F1T	0.07-0.20	0.40-1.50	6.35	7.75	2.38	2.8	0.4	●	
	11T304-F1T	0.10-0.25	0.60-1.50	9.525	11.62	3.97	4.4	0.4	●	
	11T308-F1T	0.10-0.25	0.60-1.50	9.525	11.62	3.97	4.4	0.8	●	
	DCMT 070202-F2K	0.08-0.20	0.50-1.50	6.35	7.75	2.38	2.8	0.2	●	
	070204-F2K	0.08-0.20	0.50-1.50	6.35	7.75	2.38	2.8	0.4	●	
	11T302-F2K	0.10-0.22	0.50-2.00	9.525	11.62	3.97	4.4	0.2	●	
	11T304-F2K	0.10-0.22	0.50-2.00	9.525	11.62	3.97	4.4	0.4	●	
	DCMT 11T304-F1Y	0.08-0.30	0.50-2.50	9.525	11.62	3.97	4.4	0.4	●	
	DCMT 11T304-M2T	0.10-0.25	0.50-3.0	9.525	11.62	3.97	4.4	0.4	●	
	11T308-M2T	0.10-0.25	0.50-3.0	9.525	11.62	3.97	4.4	0.8	●	
	SCMT 09T304-M2T	0.10-0.25	0.70-3.5	9.525	9.525	3.18	4.4	0.4	●	
	09T308-M2T	0.10-0.25	0.70-3.5	9.525	9.525	3.18	4.4	0.8	●	
	TCMT 110204-F1T	0.10-0.25	0.60-2.0	6.35	11.0	2.38	2.8	0.4	●	
	16T304-F1T	0.10-0.25	0.60-2.0	9.525	16.50	3.97	4.4	0.4	●	
	TCMT 110204-M2T	0.10-0.25	0.60-2.0	6.35	11.0	2.38	2.8	0.4	●	
	16T304-M2T	0.10-0.25	0.60-2.0	9.525	16.50	3.97	2.8	0.4	●	
	TPMT 110304-F1T	0.10-0.25	0.60-2.0	6.35	11.0	3.18	3.3	0.4	●	
	TPMT 110304-F2K	0.10-0.25	0.50-2.0	6.35	11.0	3.18	3.3	0.4	●	
	VBMT 110304-F2K	0.10-0.20	0.50-1.5	6.35	11.07	3.18	2.8	0.4	●	
	160404-F2K	0.05-0.25	0.50-2.0	9.525	16.61	4.76	4.4	0.4	●	

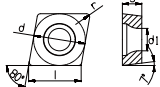
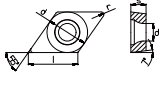
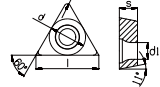
Negative G-class insert

Insert	Designation	Recommended parameter		Dimension(mm)					Grade	Geometry
		Feed	Cutting depth	d	l	s	d1	r	Mental ceramic	
									AT200	
(mm/rev)	(mm)	(mm)	(mm)	(mm)	(mm)	(mm)	(mm)	(mm)		
	CNGG 120402FR-F	0.05-0.20	0.50-2.0	12.7	12.89	4.76	5.16	0.2	●	
	120402FL-F	0.05-0.20	0.50-2.0	12.7	12.89	4.76	5.16	0.2	●	
	120404FR-F	0.05-0.20	0.50-2.0	12.7	12.89	4.76	5.16	0.4	●	
	120404FL-F	0.05-0.20	0.50-2.0	12.7	12.89	4.76	5.16	0.4	●	
	CNGG 120402R-C	0.20-0.40	1.0-3.0	12.7	12.89	4.76	5.16	0.2	●	
	120402L-C	0.20-0.40	1.0-3.0	12.7	12.89	4.76	5.16	0.2	●	
	120404R-C	0.20-0.40	1.0-3.0	12.7	12.89	4.76	5.16	0.4	●	
	120404L-C	0.20-0.40	1.0-3.0	12.7	12.89	4.76	5.16	0.4	●	
	120408R-C	0.20-0.40	1.0-3.0	12.7	12.89	4.76	5.16	0.8	●	
	120408L-C	0.20-0.40	1.0-3.0	12.7	12.89	4.76	5.16	0.8	●	
	DNGG 110402FR-F	0.05-0.15	0.80-2.0	9.525	11.62	4.76	3.81	0.2	●	
	110402FL-F	0.05-0.15	0.80-2.0	9.525	11.62	4.76	3.81	0.2	●	
	110404FR-F	0.05-0.15	0.80-2.0	9.525	11.62	4.76	3.81	0.4	●	
	110404FL-F	0.05-0.15	0.80-2.0	9.525	11.62	4.76	3.81	0.4	●	
	110408FR-F	0.05-0.15	0.80-2.0	9.525	11.62	4.76	3.81	0.8	●	
	110408FL-F	0.05-0.15	0.80-2.0	9.525	11.62	4.76	3.81	0.8	●	
	DNGG 110402R-C	0.15-0.30	0.50-2.5	9.525	11.62	4.76	3.81	0.2	●	
	110402L-C	0.15-0.30	0.50-2.5	9.525	11.62	4.76	3.81	0.2	●	
	110404R-C	0.15-0.30	0.50-2.5	9.525	11.62	4.76	3.81	0.4	●	
	110404L-C	0.15-0.30	0.50-2.5	9.525	11.62	4.76	3.81	0.4	●	
	110408R-C	0.15-0.30	0.50-2.5	9.525	11.62	4.76	3.81	0.8	●	
	110408L-C	0.15-0.30	0.50-2.5	9.525	11.62	4.76	3.81	0.8	●	
	SNGG 120402R-C	0.20-0.40	1.0-3.0	12.7	12.70	4.76	5.16	0.2	●	
	120402L-C	0.20-0.40	1.0-3.0	12.7	12.70	4.76	5.16	0.2	●	
	120404R-C	0.20-0.40	1.0-3.0	12.7	12.70	4.76	5.16	0.4	●	
	120404L-C	0.20-0.40	1.0-3.0	12.7	12.70	4.76	5.16	0.4	●	
	120408R-C	0.20-0.40	1.0-3.0	12.7	12.70	4.76	5.16	0.8	●	
	120408L-C	0.20-0.40	1.0-3.0	12.7	12.70	4.76	5.16	0.8	●	
	TNGG 160402FR-F	0.05-0.20	0.50-2.0	9.525	16.50	4.76	3.81	0.2	●	
	160402FL-F	0.05-0.20	0.50-2.0	9.525	16.50	4.76	3.81	0.2	●	
	160404FR-F	0.05-0.20	0.50-2.0	9.525	16.50	4.76	3.81	0.4	●	
	160404FL-F	0.05-0.20	0.50-2.0	9.525	16.50	4.76	3.81	0.4	●	
	TNGG 160402R-C	0.20-0.40	1.0-3.0	9.525	16.50	4.76	3.81	0.2	●	
	160402L-C	0.20-0.40	1.0-3.0	9.525	16.50	4.76	3.81	0.2	●	
	160404R-C	0.20-0.40	1.0-3.0	9.525	16.50	4.76	3.81	0.4	●	
	160404L-C	0.20-0.40	1.0-3.0	9.525	16.50	4.76	3.81	0.4	●	
	160408R-C	0.20-0.40	1.0-3.0	9.525	16.50	4.76	3.81	0.8	●	
	160408L-C	0.20-0.40	1.0-3.0	9.525	16.50	4.76	3.81	0.8	●	

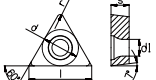
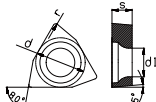
Remark : ● represent for standard stock

Insert	Designation	Recommended parameter		Dimension(mm)					Grade	Geometry
		Feed	Cutting depth	d	l	s	d1	r	Mental ceramic	
									AT200	
(mm/rev)	(mm)	(mm)	(mm)	(mm)	(mm)	(mm)	(mm)	(mm)		
	VNGG 160402FR-F	0.05-0.15	0.50-1.8	9.525	16.61	4.76	3.81	0.2	●	
	160402FL-F	0.05-0.15	0.50-1.8	9.525	16.61	4.76	3.81	0.2	●	
	160404FR-F	0.05-0.15	0.50-1.8	9.525	16.61	4.76	3.81	0.4	●	
	160404FL-F	0.05-0.15	0.50-1.8	9.525	16.61	4.76	3.81	0.4	●	
	VNGG 160402R-C	0.15-0.30	0.50-2.5	9.525	16.61	4.76	3.81	0.2	●	
	160402L-C	0.15-0.30	0.50-2.5	9.525	16.61	4.76	3.81	0.2	●	
	160404R-C	0.15-0.30	0.50-2.5	9.525	16.61	4.76	3.81	0.4	●	
	160404L-C	0.15-0.30	0.50-2.5	9.525	16.61	4.76	3.81	0.4	●	
	160408R-C	0.15-0.30	0.50-2.5	9.525	16.61	4.76	3.81	0.8	●	
	160408L-C	0.15-0.30	0.50-2.5	9.525	16.61	4.76	3.81	0.8	●	
	WNGG 060402FR-F	0.05-0.20	0.50-2.0	9.525	6.52	4.76	3.81	0.2	●	
	060402FL-F	0.05-0.20	0.50-2.0	9.525	6.52	4.76	3.81	0.2	●	
	060404FR-F	0.05-0.20	0.50-2.0	9.525	6.52	4.76	3.81	0.4	●	
	060404FL-F	0.05-0.20	0.50-2.0	9.525	6.52	4.76	3.81	0.4	●	
	060408FR-F	0.05-0.20	0.50-2.0	9.525	6.52	4.76	3.81	0.8	●	
	060408FL-F	0.05-0.20	0.50-2.0	9.525	6.52	4.76	3.81	0.8	●	
	WNGG 080402FR-F	0.05-0.20	0.50-2.0	12.7	8.69	4.76	5.16	0.2	●	
	080402FL-F	0.05-0.20	0.50-2.0	12.7	8.69	4.76	5.16	0.2	●	
	080404FR-F	0.05-0.20	0.50-2.0	12.7	8.69	4.76	5.16	0.4	●	
	080404FL-F	0.05-0.20	0.50-2.0	12.7	8.69	4.76	5.16	0.4	●	
	080408FR-F	0.05-0.20	0.50-2.0	12.7	8.69	4.76	5.16	0.8	●	
	080408FL-F	0.05-0.20	0.50-2.0	12.7	8.69	4.76	5.16	0.8	●	
	WNGG 060402R-C	0.20-0.40	1.0-3.0	9.525	6.52	4.76	3.81	0.2	●	
	060402L-C	0.20-0.40	1.0-3.0	9.525	6.52	4.76	3.81	0.2	●	
	060404R-C	0.20-0.40	1.0-3.0	9.525	6.52	4.76	3.81	0.4	●	
	060404L-C	0.20-0.40	1.0-3.0	9.525	6.52	4.76	3.81	0.4	●	
	060408R-C	0.20-0.40	1.0-3.0	9.525	6.52	4.76	3.81	0.8	●	
	060408L-C	0.20-0.40	1.0-3.0	9.525	6.52	4.76	3.81	0.8	●	
	WNGG 080402R-C	0.20-0.40	1.0-3.0	12.7	8.69	4.76	5.16	0.2	●	
	080402L-C	0.20-0.40	1.0-3.0	12.7	8.69	4.76	5.16	0.2	●	
	080404R-C	0.20-0.40	1.0-3.0	12.7	8.69	4.76	5.16	0.4	●	
	080404L-C	0.20-0.40	1.0-3.0	12.7	8.69	4.76	5.16	0.4	●	
	080408R-C	0.20-0.40	1.0-3.0	12.7	8.69	4.76	5.16	0.8	●	
	080408L-C	0.20-0.40	1.0-3.0	12.7	8.69	4.76	5.16	0.8	●	

Positive G-class insert(sharp type)

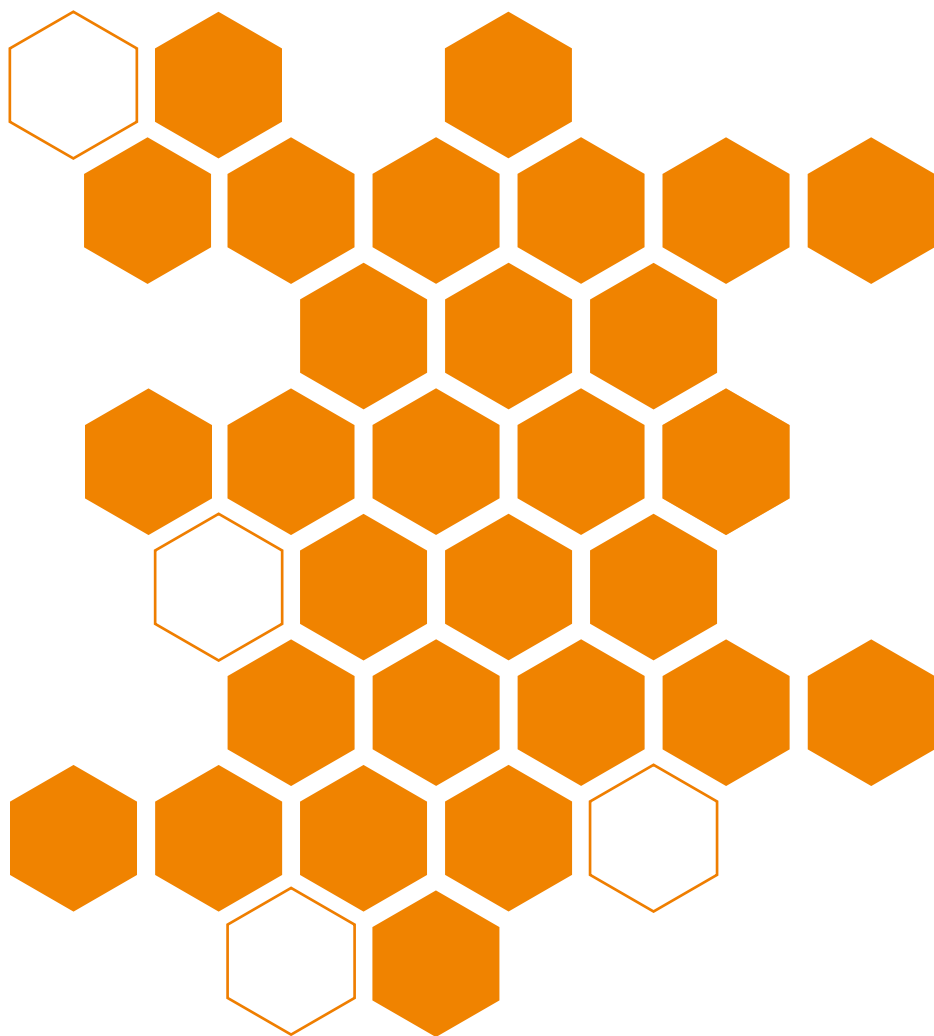
Insert	Designation	Recommended parameter		Dimension(mm)					Grade	Geometry
		Feed	Cutting depth	d	l	s	d1	r	Mental ceramic	
									AT200	
(mm/rev)	(mm)	(mm)	(mm)	(mm)	(mm)	(mm)	(mm)	(mm)		
	CCGT 060202FR-F	0.02-0.10	0.02-0.40	6.35	6.45	2.38	2.8	0.2	●	
	060202FL-F	0.02-0.10	0.02-0.40	6.35	6.45	2.38	2.8	0.2	●	
	060204FR-F	0.02-0.10	0.02-0.40	6.35	6.45	2.38	2.8	0.4	●	
	060204FL-F	0.02-0.10	0.02-0.40	6.35	6.45	2.38	2.8	0.4	●	
	CCGT 09T302FR-F	0.02-0.10	0.02-0.50	9.525	9.67	3.97	4.4	0.2	●	
	09T302FL-F	0.02-0.10	0.02-0.50	9.525	9.67	3.97	4.4	0.2	●	
	09T304FR-F	0.02-0.10	0.02-0.50	9.525	9.67	3.97	4.4	0.4	●	
	09T304FL-F	0.02-0.10	0.02-0.50	9.525	9.67	3.97	4.4	0.4	●	
	DCGT 070202FR-F	0.03-0.18	0.05-0.40	6.35	7.75	2.38	2.8	0.2	●	
	070202FL-F	0.03-0.18	0.05-0.40	6.35	7.75	2.38	2.8	0.2	●	
	070204FR-F	0.03-0.18	0.05-0.40	6.35	7.75	2.38	2.8	0.4	●	
	070204FL-F	0.03-0.18	0.05-0.40	6.35	7.75	2.38	2.8	0.4	●	
	DCGT 11T302FR-F	0.02-0.18	0.02-0.40	9.525	11.62	3.97	4.4	0.2	●	
	11T302FL-F	0.02-0.18	0.02-0.40	9.525	11.62	3.97	4.4	0.2	●	
	11T304FR-F	0.02-0.18	0.02-0.40	9.525	11.62	3.97	4.4	0.4	●	
	11T304FL-F	0.02-0.18	0.02-0.40	9.525	11.62	3.97	4.4	0.4	●	
	DCGT 11T302FR-M	0.02-0.10	0.10-4.0	9.525	11.62	3.97	4.4	0.2	●	
	11T302FL-M	0.02-0.10	0.10-4.0	9.525	11.62	3.97	4.4	0.2	●	
	11T304FR-M	0.02-0.10	0.10-4.0	9.525	11.62	3.97	4.4	0.4	●	
	11T304FL-M	0.02-0.10	0.10-4.0	9.525	11.62	3.97	4.4	0.4	●	
	TBGT 060102FR-F	0.03-0.07	0.10-0.50	3.97	6.90	1.59	2.3	0.2	●	
	060102FL-F	0.03-0.07	0.10-0.50	3.97	6.90	1.59	2.3	0.2	●	
	060104FR-F	0.03-0.07	0.10-0.50	3.97	6.90	1.59	2.3	0.4	●	
	060104FL-F	0.03-0.07	0.10-0.50	3.97	6.90	1.59	2.3	0.4	●	
	TPGT 080202FR-F	0.02-0.10	0.20-0.80	4.76	8.20	2.38	2.3	0.2	●	
	080202FL-F	0.02-0.10	0.20-0.80	4.76	8.20	2.38	2.3	0.2	●	
	080204FR-F	0.02-0.10	0.20-0.80	4.76	8.20	2.38	2.3	0.4	●	
	080204FL-F	0.02-0.10	0.20-0.80	4.76	8.20	2.38	2.3	0.4	●	
	TPGT 090202FR-F	0.20-0.80	0.02-0.10	5.56	9.60	2.38	2.5	0.2	●	
	090202FL-F	0.20-0.80	0.02-0.10	5.56	9.60	2.38	2.5	0.2	●	
	090204FR-F	0.20-0.80	0.02-0.10	5.56	9.60	2.38	2.5	0.4	●	
	090204FL-F	0.20-0.80	0.02-0.10	5.56	9.60	2.38	2.5	0.4	●	
	TPGT 110302FR-F	0.02-0.12	0.20-0.80	6.35	11.0	3.18	3.3	0.2	●	
	110302FL-F	0.02-0.12	0.20-0.80	6.35	11.0	3.18	3.3	0.2	●	
	110304FR-F	0.02-0.12	0.20-0.80	6.35	11.0	3.18	3.3	0.4	●	
	110304FL-F	0.02-0.12	0.20-0.80	6.35	11.0	3.18	3.3	0.4	●	

Remark : ● represent for standard stock

Insert	Designation	Recommended parameter		Dimension(mm)					Grade	Geometry
		Feed	Cutting depth	d	l	s	d1	r	Mental ceramic	
									AT200	
(mm/rev)	(mm)	(mm)	(mm)	(mm)	(mm)	(mm)	(mm)	(mm)		
	TCGT 110202FR-F	0.02-0.12	0.20-0.80	6.35	11.0	2.38	3.3	0.2	●	
	110202FL-F	0.02-0.12	0.20-0.80	6.35	11.0	2.38	3.3	0.2	●	
	110204FR-F	0.02-0.12	0.20-0.80	6.35	11.0	2.38	3.3	0.4	●	
	110204FL-F	0.02-0.12	0.20-0.80	6.35	11.0	2.38	3.3	0.4	●	
	VBGT 110301FR-F	0.02-0.18	0.02-0.40	6.35	11.07	3.18	2.8	0.1	●	
	110301FL-F	0.02-0.18	0.02-0.40	6.35	11.07	3.18	2.8	0.1	●	
	110302FR-F	0.02-0.18	0.02-0.40	6.35	11.07	3.18	2.8	0.2	●	
	110302FL-F	0.02-0.18	0.02-0.40	6.35	11.07	3.18	2.8	0.2	●	
	110304FR-F	0.02-0.18	0.02-0.40	6.35	11.07	3.18	2.8	0.4	●	
	110304FL-F	0.02-0.18	0.02-0.40	6.35	11.07	3.18	2.8	0.4	●	
	VBGT 160402FR-F	0.02-0.18	0.05-0.30	9.525	16.61	4.76	4.4	0.2	●	
	160402FL-F	0.02-0.18	0.05-0.30	9.525	16.61	4.76	4.4	0.2	●	
	VBGT 110302FR-Y	0.08-0.22	0.50-1.80	6.35	11.07	3.18	2.8	0.2	●	
	110302FL-Y	0.08-0.22	0.50-1.80	6.35	11.07	3.18	2.8	0.2	●	
	110304FR-Y	0.08-0.22	0.50-1.80	6.35	11.07	3.18	2.8	0.4	●	
	110304FL-Y	0.08-0.22	0.50-1.80	6.35	11.07	3.18	2.8	0.4	●	
	WBGT 060102FR-F	0.02-0.10	0.20-0.80	3.97	6.50	1.59	2.3	0.2	●	
	060102FL-F	0.02-0.10	0.20-0.80	3.97	6.50	1.59	2.3	0.2	●	
	060104FR-F	0.02-0.10	0.20-0.80	3.97	6.50	1.59	2.3	0.4	●	
	060104FL-F	0.02-0.10	0.20-0.80	3.97	6.50	1.59	2.3	0.4	●	

Remark : ● represent for standard stock

ACHTECK[illegible]



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