

CERMET

FOR YOUR EFFICIENT CUT

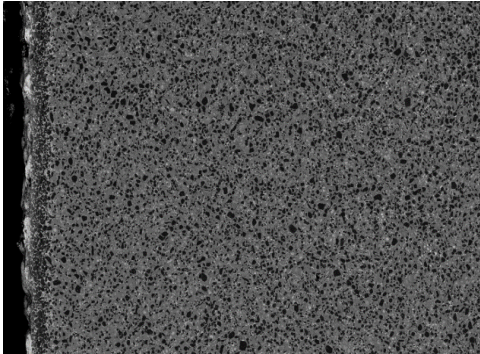
강 터닝 가공을 위한 솔루션 ...





FEATURE / 재종 특징

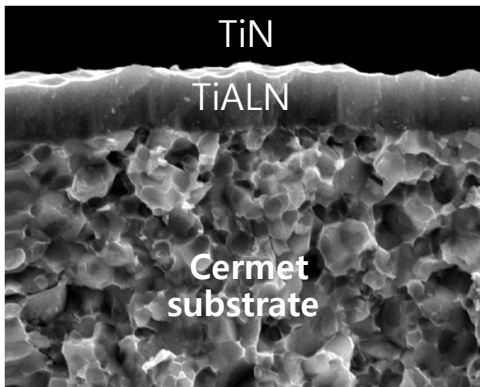
TT5210 GRADE



- 냉간 단조 / 열간단조 / 철계소결 제품의 고속, 저절입, 연속 가공 전용
- 우수한 내마모
- 가공 면조도 향상

- For continuous machining of cold / hot forged steel, Sintered ferrous ally at high speed and low depth
- Excellent wear resistance
- Improved surface roughness

TTP5210 COATING FILM

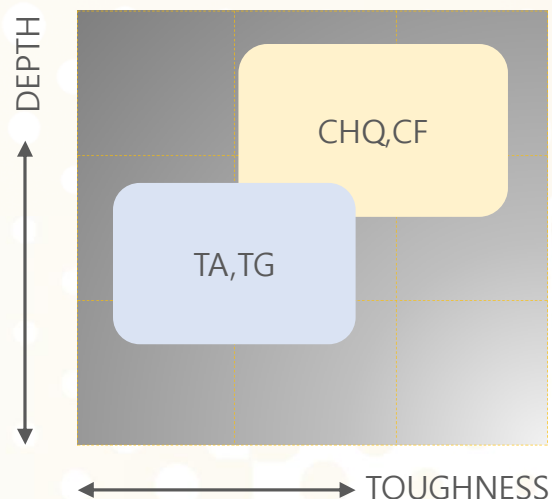
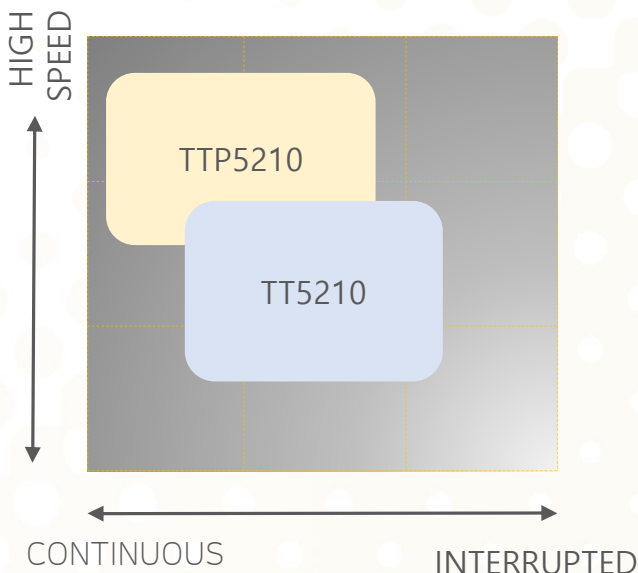


- 고속, 저절입. 연속작업에서 내용착성 우수
- 우수한 내마모성
- 원활한 칩처리 및 절삭 부하 감소

- For continuous machining of cold / hot forged steel, Sintered ferrous ally at high speed and low depth
- Lubricant coating layer improve chip flow and reduces insert load



GRADE AND CHIP BREAKER / 재종 및 CHIP BREAKER 라인업





PROPERTIES OF CERMET / 써메트 물리적 특성

Grade	Density g/cm ³	Hardness HV30	TRA ≥ Mpa	Fracture toughness >	ISO Code
TT5210	6.75	1570	2000	8.0	P05-P25



RECOMMENDED CUTTING CONDITION / 추천절삭조건

DIVISION	WORKPIECE	GRADE	CUTTING SPEED
TURNING	SM10C	TT5210	150~400
	SS400	TTP5210	200~450
	SM45C	TT5210	150~350
		TTP5210	200~400
	SCM440	TT5210	120~300
	SINTERED FERROUS ALLOY	TTP5210	180~350



ITEMS / 제품 라인업

DESIGNATION	GRADE
CCMT060204-TG	TTP5210
CCMT09T304-TG	TTP5210
CCMT09T308-TG	TTP5210
DCMT070204-TG	TTP5210
DCMT11T302-TA	TTP5210
DCMT11T304-TG	TTP5210
TCMT110204-TG	TTP5210
VBMT110304-CHQ	TTP5210
VBMT160404-CHQ	TTP5210

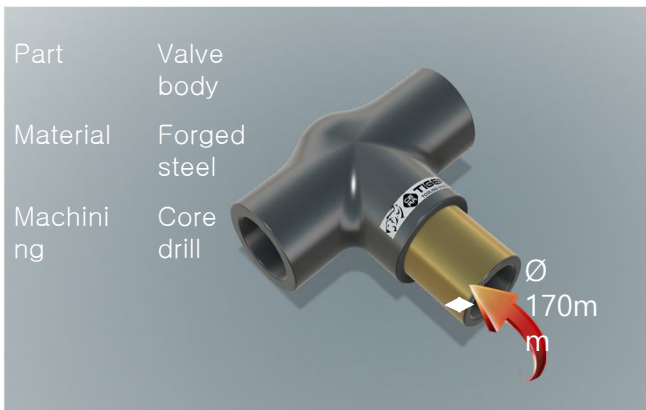
DESIGNATION	GRADE
CNMG120404-CHQ	TT5210
CNMG120404-CF	TT5210
CNMG120408-CHQ	TT5210
SNMG120408-CF	TT5210
TNGG160402R	TT5210
TNGG160404R	TT5210
TNMG160404-CHQ	TT5210
TNMG160404L	TT5210
TNMG160404R	TT5210
TNMG160404-TG	TT5210
TNMG160404-CF	TT5210
TNMG160408-CF	TT5210
WNMG080404-CF	TT5210
WNMG080408-TG	TT5210
WNMG080408-CF	TT5210

DESIGNATION	GRADE
CCGT060204EL	TT5210
CCMT060204-TG	TT5210
CCMT060204-CHQ	TT5210
CCMT060204-CF	TT5210
CCMT09T304-TG	TT5210
CCMT09T304-CHQ	TT5210
CCMT09T304-CF	TT5210
CCMT09T308-TG	TT5210
DCMT11T302-TA	TT5210
DCMT070204-CHQ	TT5210
DCMT070204-TG	TT5210
DCMT11T304-CHQ	TT5210
DCMT11T304-TG	TT5210
DCMT11T304-CF	TT5210
SCMT09T304-CF	TT5210
TCMT090204-CHQ	TT5210

DESIGNATION	GRADE
TCMT090204-CF	TT5210
TCMT110204-TG	TT5210
TCMT110204-CHQ	TT5210
TCMT110208-CHQ	TT5210
TPGH110304L	TT5210
TPMT090204-CHQ	TT5210
TPMT110304-CHQ	TT5210
TPMT110308-CHQ	TT5210
VBGT110302R	TT5210
VBGT110304R	TT5210
VBMT110304-CHQ	TT5210
VBMT160404-CHQ	TT5210
VBMT160408-CHQ	TT5210
VBMT160408-TG	TT5210
VNMG160404-CF	TT5210
WBGT060104L	TT5210

CUTTING PERFORMANCE / 절삭성능평가

TEST



Condition	H/D	Vc	fn	ap / ae
		(m/min)	(mm/rev)	(mm)
CERATIZIT	Ø170	180 3000rpm	0.15	0.2
KCERA				

RESULT

