



ISO Turning inserts



ISO Milling inserts



ISO Drilling inserts

FOCUS ON YUC ISO TURNING INSERTS



YOUR UNIVERSAL CHOICE

Production characteristics

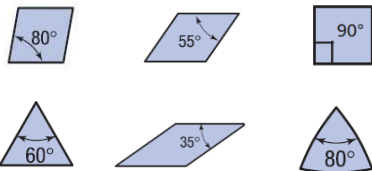
- Limited series
- Several daily production set ups

Tooling features

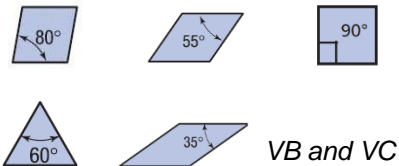
- Multiple applications
- Reliable performance in machining

YUC Edition

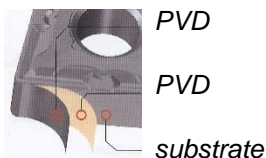
- 6 Negative shapes



- 6 Positive shapes



- Universal coated cutting materials



MATERIALS

ISO material groups

P - Steel

M - Stainless steel

K - Cast iron

N - Non ferretic materials

S - Heat resistant alloys

- 5 universal chip breaker geometries

..MT MSE



..MG MSE



..MP FSE



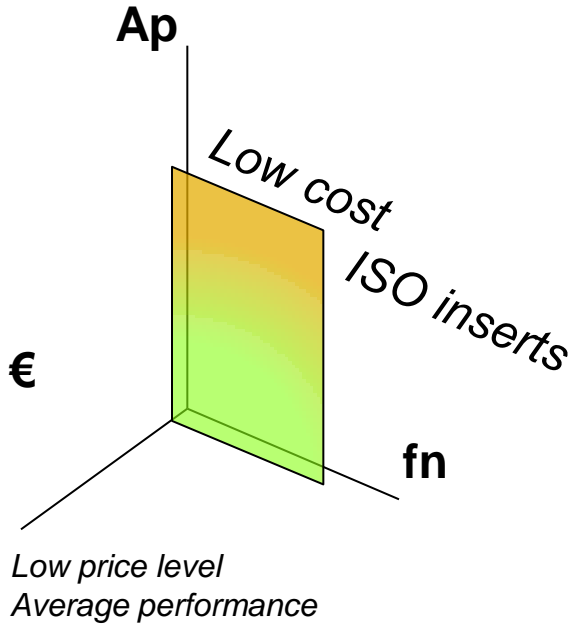
..UX L / R MSE



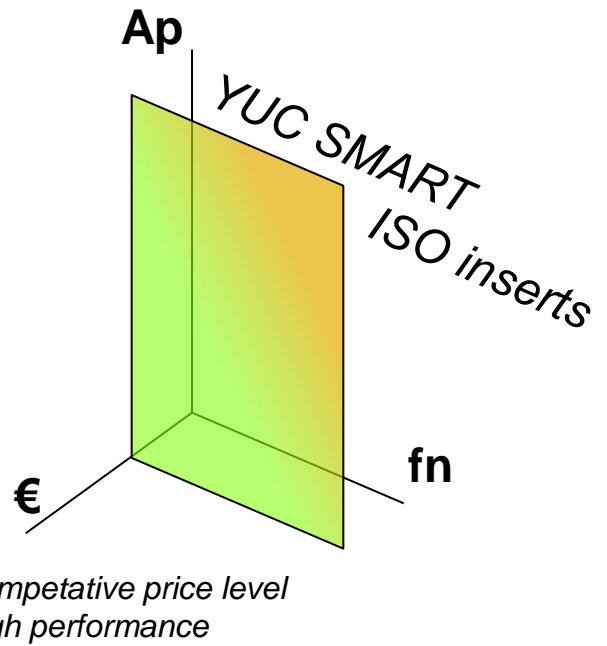
..GG ALFSE



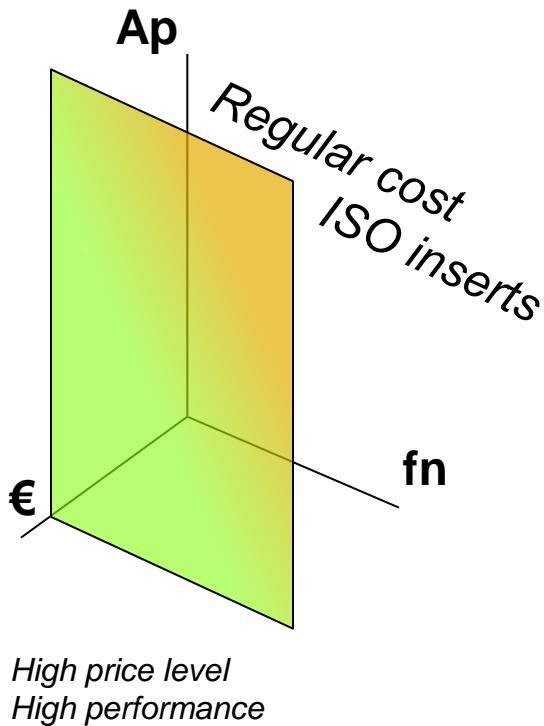
YUC - MARKET POSITION



Weak price / performance ratio



Strong price / performance ratio



Average price / performance ratio

YUC SMART INSERT CODE

T N M P 16 04 08 FSE PVD PMKS H

- Insert shape and corner angle

C shape	-	80°
D shape	-	55°
S shape	-	90°
T shape	-	60°
W shape	-	80°

T N M P 16 04 08 FSE PVD PMKS H

- Release angle

B	-	5°
C	-	7°
N	-	0°

T N M P 16 04 08 FSE PVD PMKS H

- Tolerance

G - fine	d±0.025	m±0.025	t±0.13
M - coarse	d±0.005	m±0.080	t±0.13

T N M P 16 04 08 FSE PVD PMKS H

- Square section

G / P / X	-	double sided	negative insert
M	-	single sided	negative insert
T	-	single sided	positive insert

T N M P 16 04 08 FSE PVD PMKS H

- Approximate metric cutting length

06	-	6 mm
07	-	7 mm
08	-	8 mm
09	-	9 mm
11	-	11 mm
12	-	12 mm
15	-	15 mm
16	-	16 mm
19	-	19 mm
22	-	22 mm
25	-	25 mm

T N M P 16 04 08 FSE PVD PMKS H

- Insert thickness metric

02	-	2.38 mm
03	-	3.18 mm
T3	-	3.97 mm
04	-	4.76 mm
06	-	6.35 mm
07	-	7.94 mm
09	-	9.52 mm

T N M P 16 04 08 FSE PVD PMKS H

- Corner radius metric

02	- 0.2 mm
04	- 0.4 mm
08	- 0.8 mm
12	- 1.2 mm
16	- 1.6 mm
24	- 2.4 mm

T N M P 16 04 08 FSE PVD PMKS H

- Chip breaker type

FF	- fine finishing
MF	- medium finishing
MFE	- medium finishing extended
UF	- universal finishing
VFS	- very fine standard
FSE	- fine standard extended
MS	- medium standard
MSE	- medium standard extended
US	- universal standard
CS	- coarse standard
WS	- wiper standard
VFR	- very fine roughing
FR	- fine roughing
MR	- medium roughing
UR	- universal roughing
CR	- coarse roughing
ALFF	- ALU fine finishing
ALUS	- ALU universal standard
ALVFS	- ALU very fine finishing
ALFSE	- ALU fine standard extended

T N M P 16 04 08 FSE PVD PMKS H

- Substrate and coating

PVD	- physical vapour deposition
CVD	- chemical vapour deposition
NON	- not coated

T N M P 16 04 08 FSE PVD PMKS H

- Workpiece material

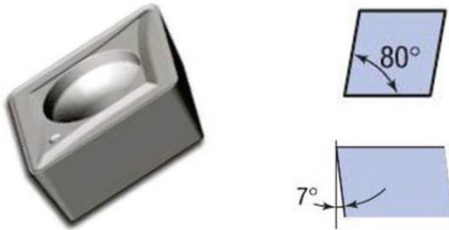
P	- steel
M	- stainless steel
K	- cast iron
S	- heat resistant alloys
N	- non ferretic materials

T N M P 16 04 08 FSE PVD PMKS H

- Application and hardness cutting material

H	- high wear resistant
U	- universal
T	- tough

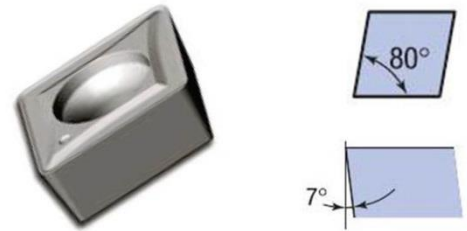
CC.. Positive shape - 80°



Standard machining with : CCMT 060204 MSE PVD PMK H

P	M	K	S
Vc 120 - 220	Vc 80 - 140	Vc 120 - 210	
fn 0.08 - 0.16	fn 0.08 - 0.12	fn 0.08 - 0.16	
Ap 0.10 - 0.80	Ap 0.10 - 0.80	Ap 0.10 - 0.80	

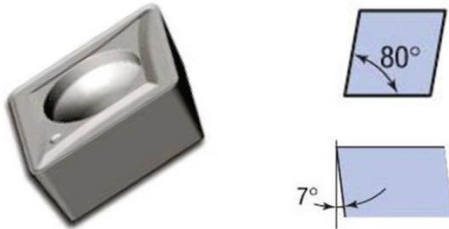
Amount	30 pcs	50 pcs	100 pcs
Price/unit	€ 99.00	€ 140.00	€ 255.00
Net price/piece	€ 3.30	€ 2.80	€ 2.55
Excl. freight			



Standard machining with : CCMT 09T304 MSE PVD PMK H

P	M	K	S
Vc 120 - 220	Vc 80 - 140	Vc 120 - 210	
fn 0.08 - 0.16	fn 0.08 - 0.12	fn 0.08 - 0.16	
Ap 0.15 - 1.50	Ap 0.15 - 1.50	Ap 0.15 - 1.50	

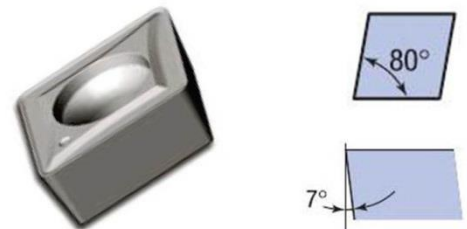
Amount	30 pcs	50 pcs	100 pcs
Price/unit	€ 102.00	€ 145.00	€ 265.00
Net price/piece	€ 3.40	€ 2.90	€ 2.65
Excl. freight			



Standard machining with : CCMT 09T308 MSE PVD PMK H

P	M	K	S
Vc 120 - 220	Vc 80 - 140	Vc 120 - 210	
fn 0.16 - 0.28	fn 0.12 - 0.20	fn 0.16 - 0.28	
Ap 0.40 - 2.00	Ap 0.40 - 2.00	Ap 0.40 - 2.00	

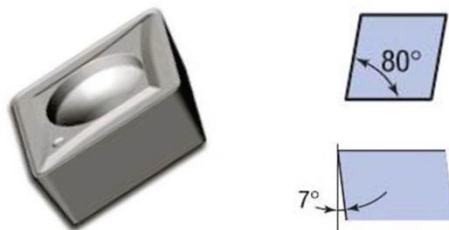
Amount	30 pcs	50 pcs	100 pcs
Price/unit	€ 102.00	€ 145.00	€ 265.00
Net price/piece	€ 3.40	€ 2.90	€ 2.65
Excl. freight			



Standard machining with : CCMT 120404 MSE PVD PMK H

P	M	K	S
Vc 120 - 220	Vc 80 - 140	Vc 120 - 210	
fn 0.10 - 0.20	fn 0.10 - 0.18	fn 0.10 - 0.20	
Ap 0.15 - 2.00	Ap 0.15 - 2.00	Ap 0.15 - 2.00	

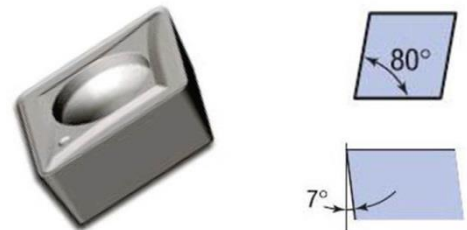
Amount	30 pcs	50 pcs	100 pcs
Price/unit	€ 120.00	€ 175.00	€ 325.00
Net price/piece	€ 4.00	€ 3.50	€ 3.25
Excl. freight			



Standard machining with : CCMT 120408 MSE PVD PMK H

P	M	K	S
Vc 120 - 220	Vc 80 - 140	Vc 120 - 210	
fn 0.16 - 0.30	fn 0.12 - 0.24	fn 0.16 - 0.30	
Ap 0.30 - 2.50	Ap 0.30 - 2.50	Ap 0.30 - 2.50	

Amount	30 pcs	50 pcs	100 pcs
Price/unit	€ 120.00	€ 175.00	€ 325.00
Net price/piece	€ 4.00	€ 3.50	€ 3.25
Excl. freight			



Standard machining with : CCMT 120412 MSE PVD PMK H

P	M	K	S
Vc 120 - 220	Vc 80 - 140	Vc 120 - 210	
fn 0.20 - 0.40	fn 0.16 - 0.32	fn 0.20 - 0.40	
Ap 0.50 - 3.00	Ap 0.50 - 3.00	Ap 0.50 - 3.00	

Amount	30 pcs	50 pcs	100 pcs
Price/unit	€ 120.00	€ 175.00	€ 325.00
Net price/piece	€ 4.00	€ 3.50	€ 3.25
Excl. freight			

CN.. negative shape - 80°



Standard machining with :

CNMG 120404 MSE PVD PMK H			
P	M	K	S
Vc 120 - 220	Vc 80 - 140	Vc 120 - 210	
fn 0.10 - 0.20	fn 0.08 - 0.18	fn 0.10 - 0.20	
Ap 0.20 - 2.00	Ap 0.20 - 2.00	Ap 0.20 - 2.00	

Amount	30 pcs	50 pcs	100 pcs
Price/unit	€ 114.00	€ 165.00	€ 305.00
Net price/piece	€ 3.80	€ 3.30	€ 3.05
Excl. freight			



Standard machining with :

CNMG 120408 MSE PVD PMK H			
P	M	K	S
Vc 120 - 220	Vc 80 - 140	Vc 120 - 210	
fn 0.15 - 0.30	fn 0.15 - 0.26	fn 0.15 - 0.30	
Ap 0.30 - 3.00	Ap 0.30 - 3.00	Ap 0.30 - 3.00	

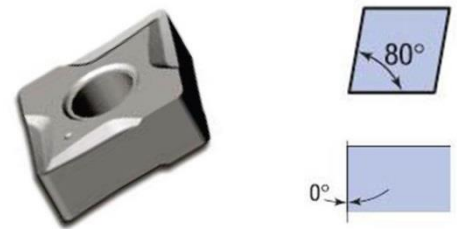
Amount	30 pcs	50 pcs	100 pcs
Price/unit	€ 114.00	€ 165.00	€ 305.00
Net price/piece	€ 3.80	€ 3.30	€ 3.05
Excl. freight			



Standard machining with :

CNMG 120412 MSE PVD PMK H			
P	M	K	S
Vc 120 - 220	Vc 80 - 140	Vc 120 - 210	
fn 0.20 - 0.40	fn 0.20 - 0.32	fn 0.20 - 0.40	
Ap 0.50 - 4.00	Ap 0.50 - 4.00	Ap 0.50 - 4.00	

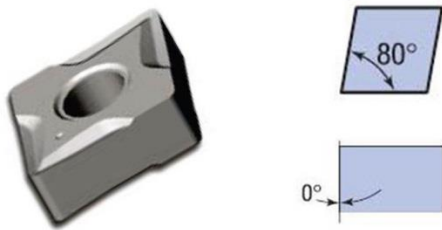
Amount	30 pcs	50 pcs	100 pcs
Price/unit	€ 114.00	€ 165.00	€ 305.00
Net price/piece	€ 3.80	€ 3.30	€ 3.05
Excl. freight			



Standard machining with :

CNMP 120408 FSE PVD PMKS H			
P	M	K	S
Vc 120 - 220	Vc 80 - 140	Vc 120 - 210	Vc 20 - 60
fn 0.18 - 0.36	fn 0.12 - 0.30	fn 0.18 - 0.36	fn 0.16 - 0.28
Ap 0.30 - 1.50	Ap 0.30 - 1.50	Ap 0.30 - 1.50	Ap 0.30 - 1.50

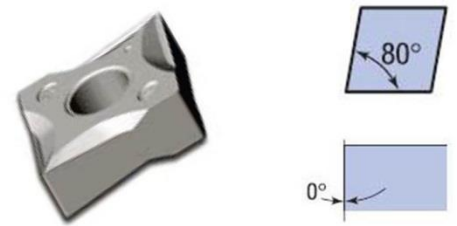
Amount	30 pcs	50 pcs	100 pcs
Price/unit	€ 114.00	€ 165.00	€ 305.00
Net price/piece	€ 3.80	€ 3.30	€ 3.05
Excl. freight			



Standard machining with :

CNMP 120412 FSE PVD PMKS H			
P	M	K	S
Vc 120 - 220	Vc 80 - 140	Vc 120 - 210	Vc 20 - 60
fn 0.25 - 0.50	fn 0.22 - 0.44	fn 0.25 - 0.50	fn 0.20 - 0.36
Ap 0.50 - 2.50	Ap 0.50 - 2.50	Ap 0.50 - 2.50	Ap 0.50 - 2.50

Amount	30 pcs	50 pcs	100 pcs
Price/unit	€ 114.00	€ 165.00	€ 305.00
Net price/piece	€ 3.80	€ 3.30	€ 3.05
Excl. freight			

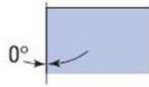
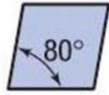


Standard machining with :

CNGG 120404 ALFSE NON N H	
N	H
Vc 150 - 600	
fn 0.08 - 0.20	
Ap 0.30 - 2.00	

Amount	30 pcs	50 pcs	100 pcs
Price/unit	€ 123.00	€ 180.00	€ 335.00
Net price/piece	€ 4.10	€ 3.60	€ 3.35
Excl. freight			

CN.. negative shape - 80°

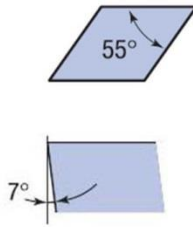
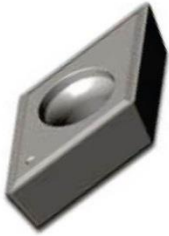


Standard machining with :
CNGG 120408 ALFSE NON N H

	N	H
Vc	150 - 600	
fn	0.12 - 0.40	
Ap	0.50 - 3.00	

Amount	30 pcs	50 pcs	100 pcs
Price/unit	€ 123.00	€ 180.00	€ 335.00
Net price/piece	€ 4.10	€ 3.60	€ 3.35
Excl. freight			

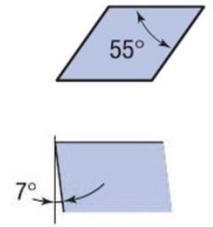
DC.. positive shape - 55°



Standard machining with : DCMT 070204 MSE PVD PMK H

P	M	K	S
Vc 120 - 220	Vc 80 - 140	Vc 120 - 210	
fn 0.08 - 0.16	fn 0.08 - 0.12	fn 0.08 - 0.16	
Ap 0.10 - 0.80	Ap 0.10 - 0.80	Ap 0.10 - 0.80	

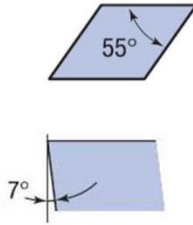
Amount	30 pcs	50 pcs	100 pcs
Price/unit	€ 99.00	€ 140.00	€ 255.00
Net price/piece	€ 3.30	€ 2.80	€ 2.55
Excl. freight			



Standard machining with : DCMT 11T304 MSE PVD PMK H

P	M	K	S
Vc 120 - 220	Vc 80 - 140	Vc 120 - 210	
fn 0.08 - 0.16	fn 0.08 - 0.12	fn 0.08 - 0.16	
Ap 0.10 - 1.20	Ap 0.10 - 1.20	Ap 0.10 - 1.20	

Amount	30 pcs	50 pcs	100 pcs
Price/unit	€ 102.00	€ 145.00	€ 265.00
Net price/piece	€ 3.40	€ 2.90	€ 2.65
Excl. freight			

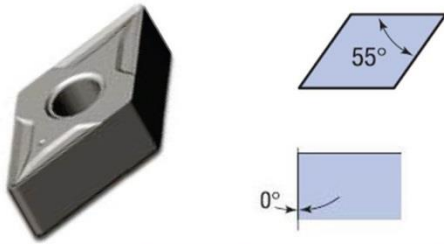


Standard machining with : DCMT 11T308 MSE PVD PMK H

P	M	K	S
Vc 120 - 220	Vc 80 - 140	Vc 120 - 210	
fn 0.16 - 0.32	fn 0.16 - 0.24	fn 0.16 - 0.32	
Ap 0.30 - 2.00	Ap 0.30 - 2.00	Ap 0.30 - 2.00	

Amount	30 pcs	50 pcs	100 pcs
Price/unit	€ 102.00	€ 145.00	€ 265.00
Net price/piece	€ 3.40	€ 2.90	€ 2.65
Excl. freight			

DN.. negative shape - 55°

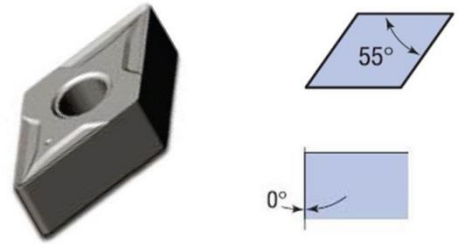


Standard machining with :

DNMG 110404 MSE PVD PMK H

P	M	K	S
Vc 120 - 220	Vc 80 - 140	Vc 120 - 210	
fn 0.10 - 0.20	fn 0.08 - 0.18	fn 0.10 - 0.20	
Ap 0.20 - 2.00	Ap 0.20 - 2.00	Ap 0.20 - 2.00	

Amount	30 pcs	50 pcs	100 pcs
Price/unit	€ 114.00	€ 165.00	€ 305.00
Net price/piece	€ 3.80	€ 3.30	€ 3.05
Excl. freight			

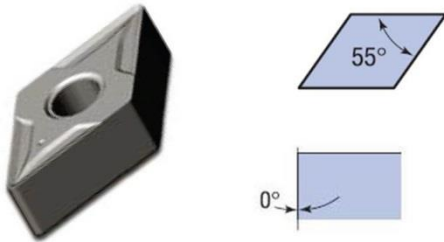


Standard machining with :

DNMG 110408 MSE PVD PMK H

P	M	K	S
Vc 120 - 220	Vc 80 - 140	Vc 120 - 210	
fn 0.15 - 0.30	fn 0.12 - 0.24	fn 0.15 - 0.30	
Ap 0.50 - 2.50	Ap 0.50 - 2.50	Ap 0.50 - 2.50	

Amount	30 pcs	50 pcs	100 pcs
Price/unit	€ 114.00	€ 165.00	€ 305.00
Net price/piece	€ 3.80	€ 3.30	€ 3.05
Excl. freight			

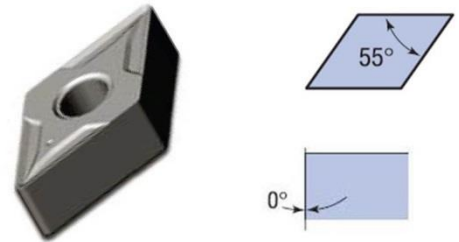


Standard machining with :

DNMG 150404 MSE PVD PMK H

P	M	K	S
Vc 120 - 220	Vc 80 - 140	Vc 120 - 210	
fn 0.10 - 0.20	fn 0.08 - 0.18	fn 0.10 - 0.20	
Ap 0.20 - 2.00	Ap 0.20 - 2.00	Ap 0.20 - 2.00	

Amount	30 pcs	50 pcs	100 pcs
Price/unit	€ 138.00	€ 205.00	€ 380.00
Net price/piece	€ 4.60	€ 4.10	€ 3.80
Excl. freight			

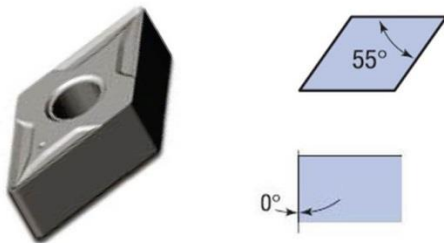


Standard machining with :

DNMG 150408 MSE PVD PMK H

P	M	K	S
Vc 120 - 220	Vc 80 - 140	Vc 120 - 210	
fn 0.15 - 0.30	fn 0.12 - 0.24	fn 0.15 - 0.30	
Ap 0.50 - 2.50	Ap 0.50 - 2.50	Ap 0.50 - 2.50	

Amount	30 pcs	50 pcs	100 pcs
Price/unit	€ 138.00	€ 205.00	€ 380.00
Net price/piece	€ 4.60	€ 4.10	€ 3.80
Excl. freight			

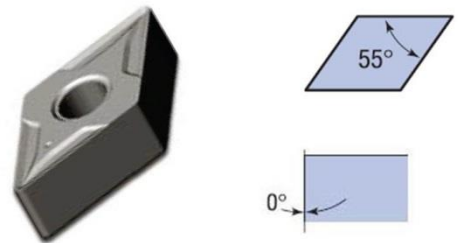


Standard machining with :

DNMG 150412 MSE PVD PMK H

P	M	K	S
Vc 120 - 220	Vc 80 - 140	Vc 120 - 210	
fn 0.20 - 0.40	fn 0.18 - 0.36	fn 0.20 - 0.40	
Ap 0.80 - 3.00	Ap 0.80 - 3.00	Ap 0.80 - 3.00	

Amount	30 pcs	50 pcs	100 pcs
Price/unit	€ 138.00	€ 205.00	€ 380.00
Net price/piece	€ 4.60	€ 4.10	€ 3.80
Excl. freight			



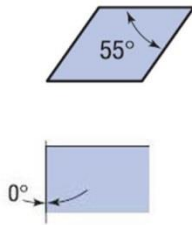
Standard machining with :

DNMG 150604 MSE PVD PMK H

P	M	K	S
Vc 120 - 220	Vc 80 - 140	Vc 120 - 210	
fn 0.10 - 0.20	fn 0.08 - 0.18	fn 0.10 - 0.20	
Ap 0.20 - 2.00	Ap 0.20 - 2.00	Ap 0.20 - 2.00	

Amount	30 pcs	50 pcs	100 pcs
Price/unit	€ 141.00	€ 210.00	€ 390.00
Net price/piece	€ 4.70	€ 4.20	€ 3.90
Excl. freight			

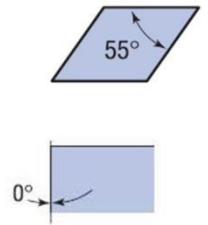
DN.. negative shape - 55°



Standard machining with : DNMG 150608 MSE PVD PMK H

P	M	K	S
Vc 120 - 220	Vc 80 - 140	Vc 120 - 210	
fn 0.15 - 0.30	fn 0.12 - 0.24	fn 0.15 - 0.30	
Ap 0.50 - 2.50	Ap 0.50 - 2.50	Ap 0.50 - 2.50	

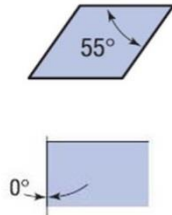
Amount	30 pcs	50 pcs	100 pcs
Price/unit	€ 141.00	€ 210.00	€ 390.00
Net price/piece	€ 4.70	€ 4.20	€ 3.90
Excl. freight			



Standard machining with : DNMG 150612 MSE PVD PMK H

P	M	K	S
Vc 120 - 220	Vc 80 - 140	Vc 120 - 210	
fn 0.20 - 0.40	fn 0.18 - 0.36	fn 0.20 - 0.40	
Ap 0.80 - 3.00	Ap 0.80 - 3.00	Ap 0.80 - 3.00	

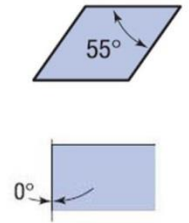
Amount	30 pcs	50 pcs	100 pcs
Price/unit	€ 141.00	€ 210.00	€ 390.00
Net price/piece	€ 4.70	€ 4.20	€ 3.90
Excl. freight			



Standard machining with : DNGG 110404 ALFSE NON N H

N	H
Vc 150 - 600	
fn 0.08 - 0.20	
Ap 0.30 - 2.00	

Amount	30 pcs	50 pcs	100 pcs
Price/unit	€ 123.00	€ 180.00	€ 335.00
Net price/piece	€ 4.10	€ 3.60	€ 3.35
Excl. freight			

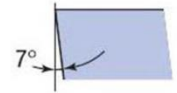
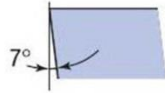


Standard machining with : DNGG 110408 ALFSE NON N H

N	H
Vc 150 - 600	
fn 0.16 - 0.32	
Ap 0.50 - 3.00	

Amount	30 pcs	50 pcs	100 pcs
Price/unit	€ 123.00	€ 180.00	€ 335.00
Net price/piece	€ 4.10	€ 3.60	€ 3.35
Excl. freight			

SC.. positive shape - 90°



Standard machining with : SCMT 09T304 MSE PVD PMK H

P	M	K	S
Vc 120 - 220	Vc 80 - 140	Vc 120 - 210	
fn 0.08 - 0.16	fn 0.08 - 0.12	fn 0.08 - 0.16	
Ap 0.15 - 1.50	Ap 0.15 - 1.50	Ap 0.15 - 1.50	

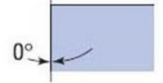
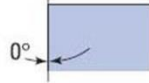
Amount	30 pcs	50 pcs	100 pcs
Price/unit	€ 102.00	€ 145.00	€ 265.00
Net price/piece	€ 3.40	€ 2.90	€ 2.65
Excl. freight			

Standard machining with : SCMT 09T308 MSE PVD PMK H

P	M	K	S
Vc 120 - 220	Vc 80 - 140	Vc 120 - 210	
fn 0.15 - 0.30	fn 0.12 - 0.24	fn 0.15 - 0.30	
Ap 0.30 - 2.50	Ap 0.30 - 2.50	Ap 0.30 - 2.50	

Amount	30 pcs	50 pcs	100 pcs
Price/unit	€ 102.00	€ 145.00	€ 265.00
Net price/piece	€ 3.40	€ 2.90	€ 2.65
Excl. freight			

SN.. negative shape - 90°



Standard machining with : SNMG 120408 MSE PVD PMK H

P	M	K	S
Vc 120 - 220	Vc 80 - 140	Vc 120 - 210	
fn 0.25 - 0.45	fn 0.20 - 0.35	fn 0.25 - 0.45	
Ap 0.50 - 3.00	Ap 0.50 - 3.00	Ap 0.50 - 3.00	

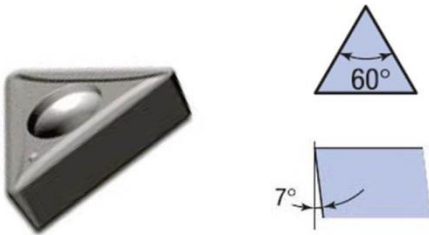
Amount	30 pcs	50 pcs	100 pcs
Price/unit	€ 114.00	€ 165.00	€ 305.00
Net price/piece	€ 3.80	€ 3.30	€ 3.05
Excl. freight			

Standard machining with : SNMG 120412 MSE PVD PMK H

P	M	K	S
Vc 120 - 220	Vc 80 - 140	Vc 120 - 210	
fn 0.30 - 0.60	fn 0.25 - 0.45	fn 0.30 - 0.60	
Ap 1.00 - 4.00	Ap 1.00 - 4.00	Ap 1.00 - 4.00	

Amount	30 pcs	50 pcs	100 pcs
Price/unit	€ 114.00	€ 165.00	€ 305.00
Net price/piece	€ 3.80	€ 3.30	€ 3.05
Excl. freight			

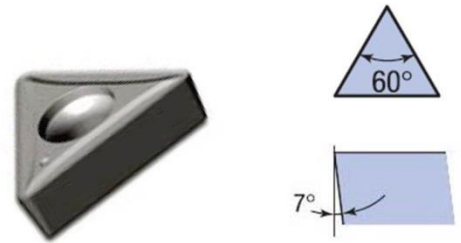
TC.. positive shape - 60°



Standard machining with : TCMT 110204 MSE PVD PMK H

P	M	K	S
Vc 120 - 220	Vc 80 - 140	Vc 120 - 210	
fn 0.08 - 0.16	fn 0.08 - 0.12	fn 0.08 - 0.16	
Ap 0.15 - 1.00	Ap 0.15 - 1.00	Ap 0.15 - 1.00	

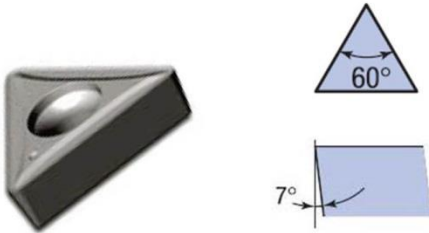
Amount	30 pcs	50 pcs	100 pcs
Price/unit	€ 102.00	€ 145.00	€ 265.00
Net price/piece	€ 3.40	€ 2.90	€ 2.65
Excl. freight			



Standard machining with : TCMT 110208 MSE PVD PMK H

P	M	K	S
Vc 120 - 220	Vc 80 - 140	Vc 120 - 210	
fn 0.14 - 0.28	fn 0.12 - 0.24	fn 0.14 - 0.28	
Ap 0.25 - 1.50	Ap 0.25 - 1.50	Ap 0.25 - 1.50	

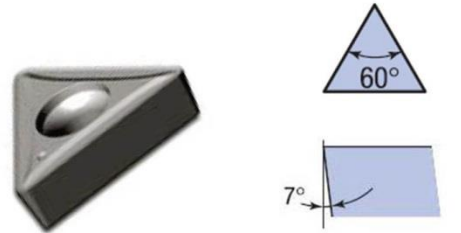
Amount	30 pcs	50 pcs	100 pcs
Price/unit	€ 102.00	€ 145.00	€ 265.00
Net price/piece	€ 3.40	€ 2.90	€ 2.65
Excl. freight			



Standard machining with : TCMT 16T304 MSE PVD PMK H

P	M	K	S
Vc 120 - 220	Vc 80 - 140	Vc 120 - 210	
fn 0.10 - 0.20	fn 0.10 - 0.18	fn 0.10 - 0.20	
Ap 0.15 - 1.50	Ap 0.15 - 1.50	Ap 0.15 - 1.50	

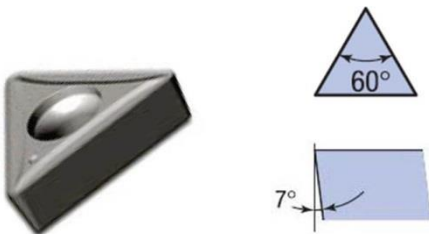
Amount	30 pcs	50 pcs	100 pcs
Price/unit	€ 108.00	€ 155.00	€ 285.00
Net price/piece	€ 3.60	€ 3.10	€ 2.85
Excl. freight			



Standard machining with : TCMT 16T308 MSE PVD PMK H

P	M	K	S
Vc 120 - 220	Vc 80 - 140	Vc 120 - 210	
fn 0.15 - 0.30	fn 0.12 - 0.24	fn 0.15 - 0.30	
Ap 0.20 - 2.00	Ap 0.20 - 2.00	Ap 0.20 - 2.00	

Amount	30 pcs	50 pcs	100 pcs
Price/unit	€ 108.00	€ 155.00	€ 285.00
Net price/piece	€ 3.60	€ 3.10	€ 2.85
Excl. freight			

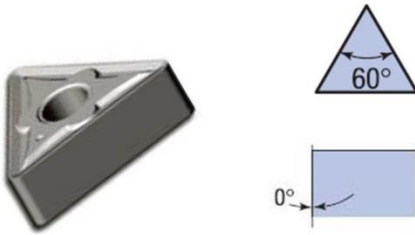


Standard machining with : TCMT 16T312 MSE PVD PMK H

P	M	K	S
Vc 120 - 220	Vc 80 - 140	Vc 120 - 210	
fn 0.20 - 0.35	fn 0.18 - 0.28	fn 0.20 - 0.35	
Ap 0.25 - 2.50	Ap 0.25 - 2.50	Ap 0.25 - 2.50	

Amount	30 pcs	50 pcs	100 pcs
Price/unit	€ 108.00	€ 155.00	€ 285.00
Net price/piece	€ 3.60	€ 3.10	€ 2.85
Excl. freight			

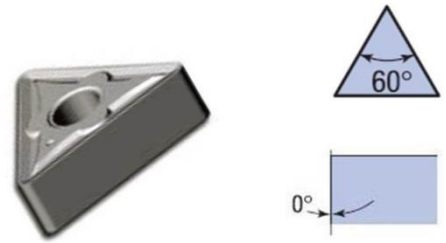
TN.. negative shape - 60°



Standard machining with : TNMG 160404 MSE PVD PMK H

P	M	K	S
Vc 120 - 220	Vc 80 - 140	Vc 120 - 210	
fn 0.10 - 0.20	fn 0.10 - 0.18	fn 0.10 - 0.20	
Ap 0.20 - 2.50	Ap 0.20 - 2.50	Ap 0.20 - 2.50	

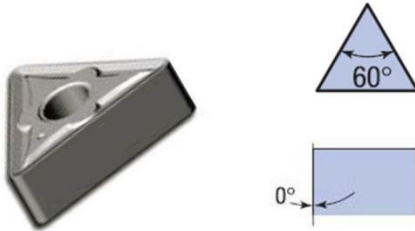
Amount	30 pcs	50 pcs	100 pcs
Price/unit	€ 114.00	€ 165.00	€ 305.00
Net price/piece	€ 3.80	€ 3.30	€ 3.05
Excl. freight			



Standard machining with : TNMG 160408 MSE PVD PMK H

P	M	K	S
Vc 120 - 220	Vc 80 - 140	Vc 120 - 210	
fn 0.15 - 0.25	fn 0.15 - 0.22	fn 0.15 - 0.25	
Ap 0.40 - 3.00	Ap 0.40 - 3.00	Ap 0.40 - 3.00	

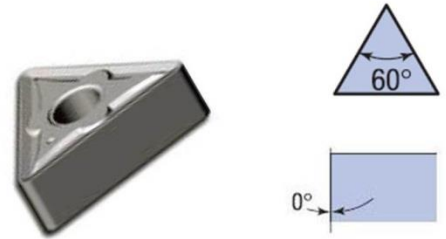
Amount	30 pcs	50 pcs	100 pcs
Price/unit	€ 114.00	€ 165.00	€ 305.00
Net price/piece	€ 3.80	€ 3.30	€ 3.05
Excl. freight			



Standard machining with : TNMG 160412 MSE PVD PMK H

P	M	K	S
Vc 120 - 220	Vc 80 - 140	Vc 120 - 210	
fn 0.20 - 0.35	fn 0.18 - 0.28	fn 0.20 - 0.35	
Ap 0.50 - 3.50	Ap 0.50 - 3.50	Ap 0.50 - 3.50	

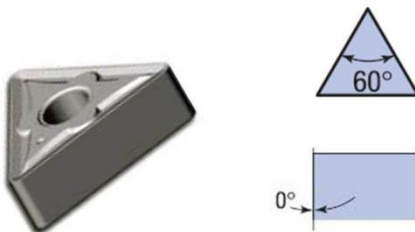
Amount	30 pcs	50 pcs	100 pcs
Price/unit	€ 114.00	€ 165.00	€ 305.00
Net price/piece	€ 3.80	€ 3.30	€ 3.05
Excl. freight			



Standard machining with : TNMG 220404 MSE PVD PMK H

P	M	K	S
Vc 120 - 220	Vc 80 - 140	Vc 120 - 210	
fn 0.10 - 0.20	fn 0.10 - 0.18	fn 0.10 - 0.20	
Ap 0.20 - 3.00	Ap 0.20 - 3.00	Ap 0.20 - 3.00	

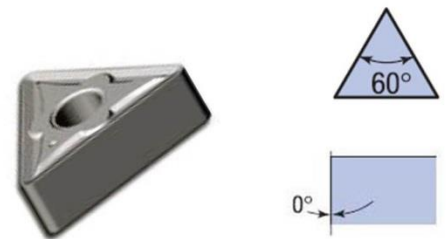
Amount	30 pcs	50 pcs	100 pcs
Price/unit	€ 141.00	€ 210.00	€ 390.00
Net price/piece	€ 4.70	€ 4.20	€ 3.90
Excl. freight			



Standard machining with : TNMG 220408 MSE PVD PMK H

P	M	K	S
Vc 120 - 220	Vc 80 - 140	Vc 120 - 210	
fn 0.15 - 0.25	fn 0.15 - 0.22	fn 0.15 - 0.25	
Ap 0.40 - 3.50	Ap 0.40 - 3.50	Ap 0.40 - 3.50	

Amount	30 pcs	50 pcs	100 pcs
Price/unit	€ 141.00	€ 210.00	€ 390.00
Net price/piece	€ 4.70	€ 4.20	€ 3.90
Excl. freight			

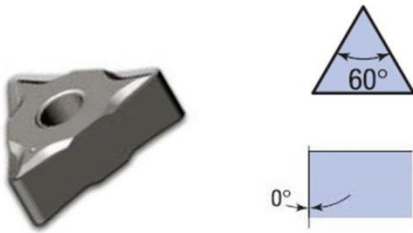


Standard machining with : TNMG 220412 MSE PVD PMK H

P	M	K	S
Vc 120 - 220	Vc 80 - 140	Vc 120 - 210	
fn 0.20 - 0.35	fn 0.18 - 0.28	fn 0.20 - 0.35	
Ap 0.50 - 4.00	Ap 0.50 - 4.00	Ap 0.50 - 4.00	

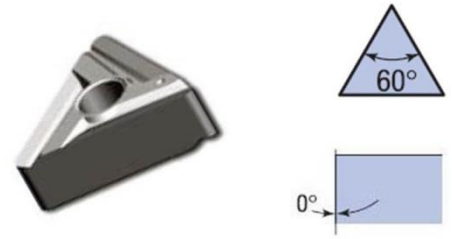
Amount	30 pcs	50 pcs	100 pcs
Price/unit	€ 141.00	€ 210.00	€ 390.00
Net price/piece	€ 4.70	€ 4.20	€ 3.90
Excl. freight			

TN.. negative shape - 60°



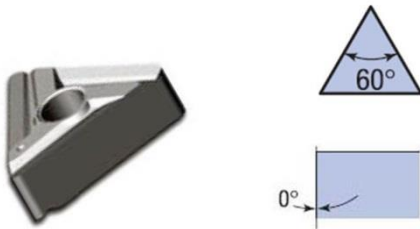
Standard machining with :			
TNMP 160408 FSE PVD PMKS H			
P	M	K	S
Vc 120 - 220	Vc 80 - 140	Vc 120 - 210	Vc 20 - 60
fn 0.12 - 0.24	fn 0.12 - 0.20	fn 0.12 - 0.24	fn 0.10 - 0.16
Ap 0.30 - 2.00	Ap 0.30 - 2.00	Ap 0.30 - 2.00	Ap 0.30 - 2.00

Amount	30 pcs	50 pcs	100 pcs
Price/unit	€ 114.00	€ 165.00	€ 305.00
Net price/piece	€ 3.80	€ 3.30	€ 3.05
Excl. freight			



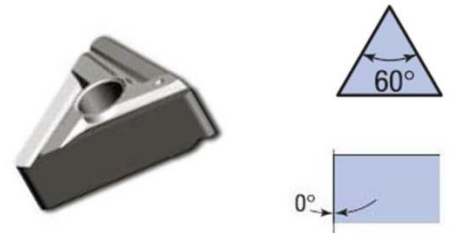
Universal machining with :			
TNUX 160404 L USE PVD PMKS H			
P	M	K	S
Vc 120 - 220	Vc 80 - 140	Vc 120 - 210	Vc 20 - 60
fn 0.12 - 0.24	fn 0.12 - 0.20	fn 0.12 - 0.24	fn 0.10 - 0.16
Ap 0.20 - 2.00	Ap 0.20 - 2.00	Ap 0.20 - 2.00	Ap 0.20 - 2.00

Amount	30 pcs	50 pcs	100 pcs
Price/unit	€ 114.00	€ 165.00	€ 305.00
Net price/piece	€ 3.80	€ 3.30	€ 3.05
Excl. freight			



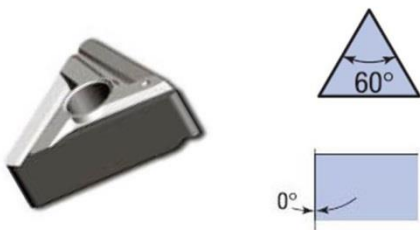
Universal machining with :			
TNUX 160404 R USE PVD PMKS H			
P	M	K	S
Vc 120 - 220	Vc 80 - 140	Vc 120 - 210	Vc 20 - 60
fn 0.12 - 0.24	fn 0.12 - 0.20	fn 0.12 - 0.24	fn 0.10 - 0.16
Ap 0.20 - 2.00	Ap 0.20 - 2.00	Ap 0.20 - 2.00	Ap 0.20 - 2.00

Amount	30 pcs	50 pcs	100 pcs
Price/unit	€ 114.00	€ 165.00	€ 305.00
Net price/piece	€ 3.80	€ 3.30	€ 3.05
Excl. freight			



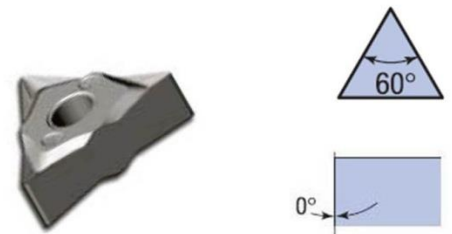
Universal machining with :			
TNUX 160408 L USE PVD PMKS H			
P	M	K	S
Vc 120 - 220	Vc 80 - 140	Vc 120 - 210	Vc 20 - 60
fn 0.16 - 0.32	fn 0.12 - 0.28	fn 0.16 - 0.32	fn 0.10 - 0.24
Ap 0.30 - 3.00	Ap 0.30 - 3.00	Ap 0.30 - 3.00	Ap 0.30 - 3.00

Amount	30 pcs	50 pcs	100 pcs
Price/unit	€ 114.00	€ 165.00	€ 305.00
Net price/piece	€ 3.80	€ 3.30	€ 3.05
Excl. freight			



Universal machining with :			
TNUX 160408 L USE PVD PMKS H			
P	M	K	S
Vc 120 - 220	Vc 80 - 140	Vc 120 - 210	Vc 20 - 60
fn 0.16 - 0.32	fn 0.12 - 0.28	fn 0.16 - 0.32	fn 0.10 - 0.24
Ap 0.30 - 3.00	Ap 0.30 - 3.00	Ap 0.30 - 3.00	Ap 0.30 - 3.00

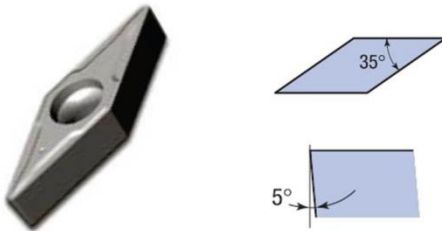
Amount	30 pcs	50 pcs	100 pcs
Price/unit	€ 114.00	€ 165.00	€ 305.00
Net price/piece	€ 3.80	€ 3.30	€ 3.05
Excl. freight			



Standard machining with :	
TNGG 160404 ALFSE NON N H	
N	H
Vc 150 - 600	
fn 0.10 - 0.20	
Ap 0.20 - 2.50	

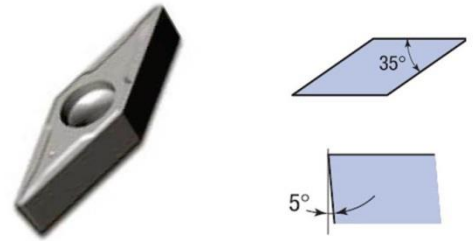
Amount	30 pcs	50 pcs	100 pcs
Price/unit	€ 126.00	€ 185.00	€ 345.00
Net price/piece	€ 4.20	€ 3.70	€ 3.45
Excl. freight			

VB.. and VC.. positive shape - 35°



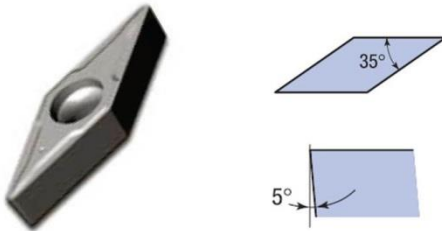
Finish machining with :			
VBMT 110304 MFE PVD PMK H			
P	M	K	S
Vc 120 - 220	Vc 80 - 140	Vc 120 - 210	
fn 0.08 - 0.12	fn 0.08 - 0.10	fn 0.08 - 0.12	
Ap 0.15 - 0.80	Ap 0.15 - 0.80	Ap 0.15 - 0.80	

Amount	30 pcs	50 pcs	100 pcs
Price/unit	€ 123.00	€ 180.00	€ 335.00
Net price/piece	€ 4.10	€ 3.60	€ 3.35
Excl. freight			



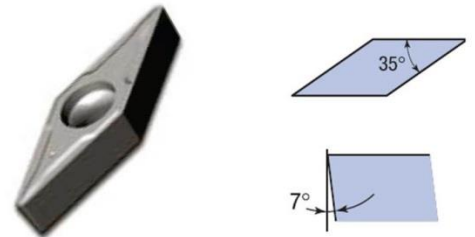
Finish machining with :			
VBMT 160404 MFE PVD PMK H			
P	M	K	S
Vc 120 - 220	Vc 80 - 140	Vc 120 - 210	
fn 0.08 - 0.14	fn 0.08 - 0.12	fn 0.08 - 0.14	
Ap 0.20 - 1.20	Ap 0.20 - 1.20	Ap 0.20 - 1.20	

Amount	30 pcs	50 pcs	100 pcs
Price/unit	€ 138.00	€ 205.00	€ 380.00
Net price/piece	€ 4.60	€ 4.10	€ 3.80
Excl. freight			



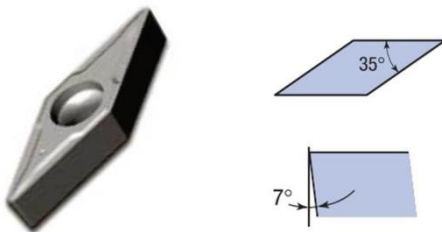
Finish machining with :			
VBMT 160408 MFE PVD PMK H			
P	M	K	S
Vc 120 - 220	Vc 80 - 140	Vc 120 - 210	
fn 0.12 - 0.20	fn 0.10 - 0.18	fn 0.12 - 0.20	
Ap 0.30 - 1.50	Ap 0.30 - 1.50	Ap 0.30 - 1.50	

Amount	30 pcs	50 pcs	100 pcs
Price/unit	€ 138.00	€ 205.00	€ 380.00
Net price/piece	€ 4.60	€ 4.10	€ 3.80
Excl. freight			



Finish machining with :			
VCMT 160404 MFE PVD PMK H			
P	M	K	S
Vc 120 - 220	Vc 80 - 140	Vc 120 - 210	
fn 0.08 - 0.14	fn 0.08 - 0.12	fn 0.08 - 0.14	
Ap 0.20 - 1.20	Ap 0.20 - 1.20	Ap 0.20 - 1.20	

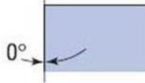
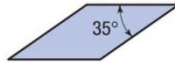
Amount	30 pcs	50 pcs	100 pcs
Price/unit	€ 138.00	€ 205.00	€ 380.00
Net price/piece	€ 4.60	€ 4.10	€ 3.80
Excl. freight			



Finish machining with :			
VCMT 160408 MFE PVD PMK H			
P	M	K	S
Vc 120 - 220	Vc 80 - 140	Vc 120 - 210	
fn 0.12 - 0.20	fn 0.10 - 0.18	fn 0.12 - 0.20	
Ap 0.30 - 1.50	Ap 0.30 - 1.50	Ap 0.30 - 1.50	

Amount	30 pcs	50 pcs	100 pcs
Price/unit	€ 138.00	€ 205.00	€ 380.00
Net price/piece	€ 4.60	€ 4.10	€ 3.80
Excl. freight			

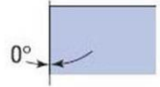
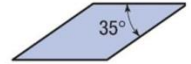
VN.. negative shape - 35°



Standard machining with : VNMG 160404 MSE PVD PMK H

P	M	K	S
Vc 120 - 220	Vc 80 - 140	Vc 120 - 210	
fn 0.10 - 0.20	fn 0.10 - 0.18	fn 0.10 - 0.20	
Ap 0.20 - 1.50	Ap 0.20 - 1.50	Ap 0.20 - 1.50	

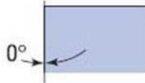
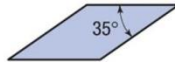
Amount	30 pcs	50 pcs	100 pcs
Price/unit	€ 138.00	€ 205.00	€ 380.00
Net price/piece	€ 4.60	€ 4.10	€ 3.80
Excl. freight			



Standard machining with : VNMG 160408 MSE PVD PMK H

P	M	K	S
Vc 120 - 220	Vc 80 - 140	Vc 120 - 210	
fn 0.15 - 0.30	fn 0.12 - 0.24	fn 0.15 - 0.30	
Ap 0.40 - 2.50	Ap 0.40 - 2.50	Ap 0.40 - 2.50	

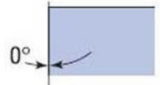
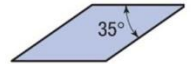
Amount	30 pcs	50 pcs	100 pcs
Price/unit	€ 138.00	€ 205.00	€ 380.00
Net price/piece	€ 4.60	€ 4.10	€ 3.80
Excl. freight			



Standard machining with : VNGG 160404 ALFSE NON N H

N	H
Vc 150 - 600	
fn 0.08 - 0.16	
Ap 0.15 - 2.00	

Amount	30 pcs	50 pcs	100 pcs
Price/unit	€ 141.00	€ 210.00	€ 395.00
Net price/piece	€ 4.70	€ 4.20	€ 3.95
Excl. freight			

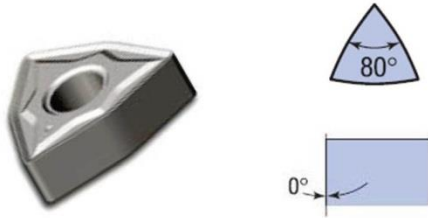


Standard machining with : VNGG 160408 ALFSE NON N H

N	H
Vc 150 - 600	
fn 0.16 - 0.32	
Ap 0.25 - 3.00	

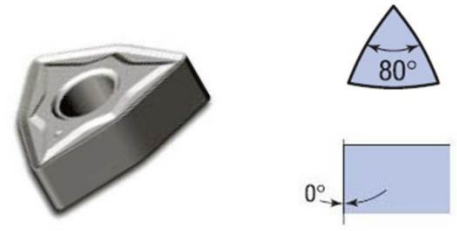
Amount	30 pcs	50 pcs	100 pcs
Price/unit	€ 141.00	€ 210.00	€ 395.00
Net price/piece	€ 4.70	€ 4.20	€ 3.95
Excl. freight			

WN.. negative shape - 80°



Standard machining with :			
WNMG 060404 MSE PVD PMK H			
P	M	K	S
Vc 120 - 220	Vc 80 - 140	Vc 120 - 210	
fn 0.08 - 0.16	fn 0.08 - 0.12	fn 0.08 - 0.16	
Ap 0.15 - 2.00	Ap 0.15 - 2.00	Ap 0.15 - 2.00	

Amount 30 pcs 50 pcs 100 pcs
 Price/unit € 114.00 € 165.00 € 305.00
 Net price/piece € 3.80 € 3.30 € 3.05
 Excl. freight



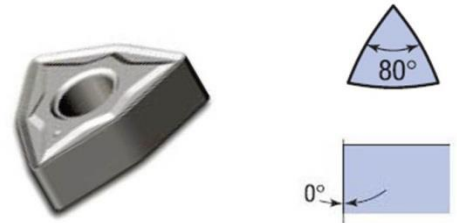
Standard machining with :			
WNMG 060408 MSE PVD PMK H			
P	M	K	S
Vc 120 - 220	Vc 80 - 140	Vc 120 - 210	
fn 0.16 - 0.32	fn 0.12 - 0.24	fn 0.16 - 0.32	
Ap 0.30 - 2.50	Ap 0.30 - 2.50	Ap 0.30 - 2.50	

Amount 30 pcs 50 pcs 100 pcs
 Price/unit € 114.00 € 165.00 € 305.00
 Net price/piece € 3.80 € 3.30 € 3.05
 Excl. freight



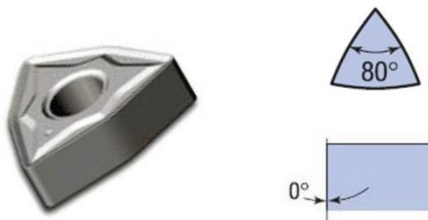
Standard machining with :			
WNMG 080404 MSE PVD PMK H			
P	M	K	S
Vc 120 - 220	Vc 80 - 140	Vc 120 - 210	
fn 0.10 - 0.20	fn 0.08 - 0.16	fn 0.10 - 0.20	
Ap 0.20 - 2.50	Ap 0.20 - 2.50	Ap 0.20 - 2.50	

Amount 30 pcs 50 pcs 100 pcs
 Price/unit € 123.00 € 180.00 € 335.00
 Net price/piece € 4.10 € 3.60 € 3.35
 Excl. freight



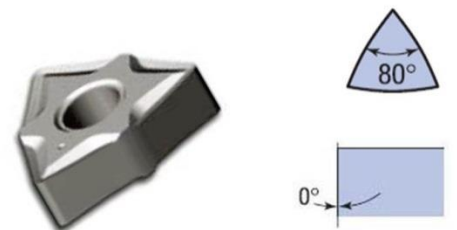
Standard machining with :			
WNMG 080408 MSE PVD PMK H			
P	M	K	S
Vc 120 - 220	Vc 80 - 140	Vc 120 - 210	
fn 0.16 - 0.32	fn 0.12 - 0.24	fn 0.16 - 0.32	
Ap 0.30 - 3.00	Ap 0.30 - 3.00	Ap 0.30 - 3.00	

Amount 30 pcs 50 pcs 100 pcs
 Price/unit € 123.00 € 180.00 € 335.00
 Net price/piece € 4.10 € 3.60 € 3.35
 Excl. freight



Standard machining with :			
WNMG 080412 MSE PVD PMK H			
P	M	K	S
Vc 120 - 220	Vc 80 - 140	Vc 120 - 210	
fn 0.20 - 0.45	fn 0.18 - 0.32	fn 0.20 - 0.45	
Ap 0.50 - 3.50	Ap 0.50 - 3.50	Ap 0.50 - 3.50	

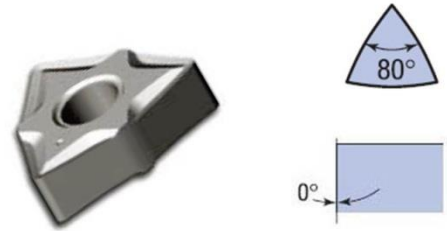
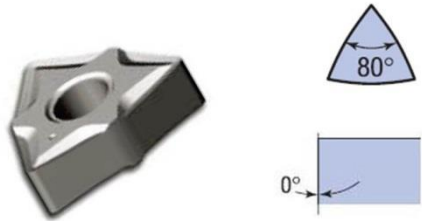
Amount 30 pcs 50 pcs 100 pcs
 Price/unit € 123.00 € 180.00 € 335.00
 Net price/piece € 4.10 € 3.60 € 3.35
 Excl. freight



Standard machining with :			
WNMP 060404 FSE PVD PMKS H			
P	M	K	S
Vc 120 - 220	Vc 80 - 140	Vc 120 - 210	Vc 20 - 60
fn 0.08 - 0.16	fn 0.08 - 0.14	fn 0.08 - 0.16	fn 0.08 - 0.12
Ap 0.15 - 1.50	Ap 0.15 - 1.50	Ap 0.15 - 1.50	Ap 0.15 - 1.50

Amount 30 pcs 50 pcs 100 pcs
 Price/unit € 114.00 € 165.00 € 305.00
 Net price/piece € 3.80 € 3.30 € 3.05
 Excl. freight

WN.. negative shape - 80°



Standard machining with :

WNMP 060408 FSE PVD PMKS H

P	M	K	S
Vc 120 - 220	Vc 80 - 140	Vc 120 - 210	Vc 20 - 60
fn 0.12 - 0.24	fn 0.12 - 0.20	fn 0.12 - 0.24	fn 0.10 - 0.16
Ap 0.30 - 2.00	Ap 0.30 - 2.00	Ap 0.30 - 2.00	Ap 0.30 - 2.00

Amount	30 pcs	50 pcs	100 pcs
Price/unit	€ 114.00	€ 165.00	€ 305.00
Net price/piece	€ 3.80	€ 3.30	€ 3.05
Excl. freight			

Standard machining with :

WNMP 080408 FSE PVD PMKS H

P	M	K	S
Vc 120 - 220	Vc 80 - 140	Vc 120 - 210	Vc 20 - 60
fn 0.12 - 0.24	fn 0.12 - 0.20	fn 0.12 - 0.24	fn 0.10 - 0.16
Ap 0.30 - 2.50	Ap 0.30 - 2.50	Ap 0.30 - 2.50	Ap 0.30 - 2.50

Amount	30 pcs	50 pcs	100 pcs
Price/unit	€ 123.00	€ 180.00	€ 335.00
Net price/piece	€ 4.10	€ 3.60	€ 3.35
Excl. freight			

FOCUS ON YUC ISO MILLING INSERTS

YOUR UNIVERSAL CHOICE

MATERIALS

Production characteristics

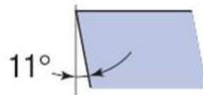
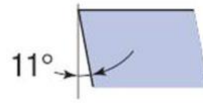
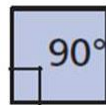
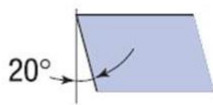
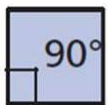
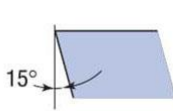
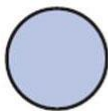
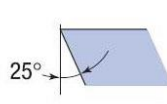
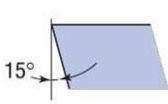
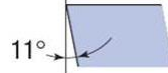
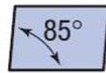
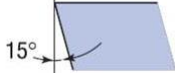
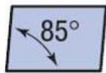
- Limited series
- Several daily production set ups

Tooling features

- Multiple applications
- Reliable performance in machining

YUC Edition

- 5 Positive shapes



ISO material groups

P - Steel

M - Stainless steel

K - Cast iron

N - Non ferretic materials

S - Heat resistant alloys

YUC SMART INSERT CODE

**A P K T 16 04 [08-PD] TR MRE
PVD PMK U**

**A P K T 16 04 [08-PD] TR MRE
PVD PMK U**

**A P K T 16 04 [08-PD] TR MRE
PVD PMK U**

**A P K T 16 04 [08-PD] TR MRE
PVD PMK U**

**A P K T 16 04 [08-PD] TR MRE
PVD PMK U**

**A P K T 16 04 [08-PD] TR MRE
PVD PMK U**

- Insert shape and corner angle

A shape	- 85°
O shape	- 135°
R shape	- 360° - round
S shape	- 90°
T shape	- 60°

- Relieve angle

P	- 11°
D	- 15°
E	- 20°
F	- 25°

- Tolerance

G / E	- fine	d±0.025	m±0.025	t±0.13
K / M / U	- coarse	d±0.005	m±0.080	t±0.13

- Square section

N	- single sided positive insert
R	- single sided positive insert
T	- single sided positive insert
W	- single sided positive insert
X	- single sided positive insert

- Approximate metric cutting length

05	- 5 mm
06	- 6 mm
07	- 7 mm
08	- 8 mm
10	- 10 mm
11	- 11 mm
12	- 12 mm
15	- 15 mm
16	- 16 mm
22	- 22 mm

- Insert thickness metric

02	- 2.38 mm
03	- 3.18 mm
T3	- 3.97 mm
04	- 4.76 mm
05	- 5.56 mm

**A P K T 16 04 [08-PD] TR MRE
PVD PMK U**

- Face land and corner shape

05 - 0.5 mm radius
 08 - 0.8 mm radius
 07 / 08 / 10 - PD - 0.7 / 0.8 / 1.0 mm radius
 AF - 45° by 25°
 ED - 75° by 15°
 PD - 90° by 15°

**A P K T 16 04 [08-PD] TR MRE
PVD PMK U**

- Cutting edge shape / direction

05 - 0.5 mm radius
 08 - 0.8 mm radius
 07 / 08 / 10 - PD - 0.7 / 0.8 / 1.0 mm radius
 EN - sharp and neutral
 ER - sharp and right handed
 TN - T land and neutral
 TR - T land and right handed

**A P K T 16 04 [08-PD] TR MRE
PVD PMK U**

- Chip breaker

FSE - fine standard extended
 MSE - medium standard extended
 USE - universal standard extended
 MRE - medium roughing extended
 ALUSE - ALU universal standard ext.
 ALURE - ALU universal roughing ext.

**A P K T 16 04 [08-PD] TR MRE
PVD PMK U**

- Substrate and coating

PVD - physical vapour deposition
 NON - not coated

**A P K T 16 04 [08-PD] TR MRE
PVD PMK U**

- Workpiece material

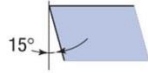
P - steel
M - stainlesssteel
K - cast iron
S - heat restant alloys
N - non ferretic materials

**A P K T 16 04 [08-PD] TR MRE
PVD PMK U**

- Application area and hardness

H - wear resistant
U - universal

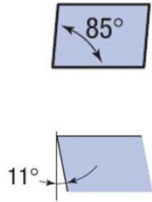
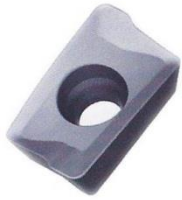
AD.. positive shape - 85°



Rough machining with :			
ADKT 1505 [10-PD] TR MRE PVD PMK U			
P	M	K	S
Vc 100 - 230	Vc 90 - 180	Vc 120 - 200	
f _n 0.16 - 0.32	f _n 0.12 - 0.24	f _n 0.16 - 0.32	
A _p 0.50 - 4.00	A _p 0.50 - 4.00	A _p 0.50 - 4.00	

Amount	30 pcs	50 pcs	100 pcs
Price/unit	€ 129.00	€ 190.00	€ 360.00
Net price/piece	€ 4.30	€ 3.80	€ 3.60
Excl. freight			

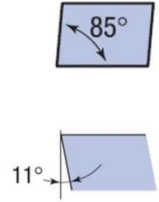
AP.. positive shape - 85°



Rough machining with : APKT 1003 [08-PD] TR MRE PVD PMK U

P	M	K	S
Vc 100 - 230	Vc 90 - 180	Vc 120 - 200	
fn 0.12 - 0.24	fn 0.10 - 0.20	fn 0.12 - 0.24	
Ap 0.50 - 2.00	Ap 0.50 - 2.00	Ap 0.50 - 2.00	

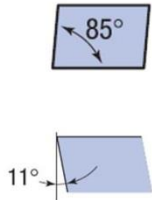
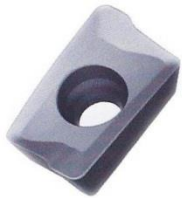
Amount	30 pcs	50 pcs	100 pcs
Price/unit	€ 117.00	€ 170.00	€ 315.00
Net price/piece	€ 3.90	€ 3.40	€ 3.15
Excl. freight			



Standard machining with : APGT 1003 [08-PD] ER ALUSE PVD N H

N	H
Vc 200 - 800	
fn 0.08 - 0.16	
Ap 0.30 - 3.00	

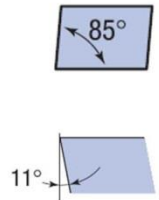
Amount	30 pcs	50 pcs	100 pcs
Price/unit	€ 123.00	€ 180.00	€ 335.00
Net price/piece	€ 4.10	€ 3.60	€ 3.35
Excl. freight			



Rough machining with : APKT 1604 [08-PD] TR MRE PVD PMK U

P	M	K	S
Vc 100 - 230	Vc 90 - 180	Vc 120 - 200	
fn 0.16 - 0.32	fn 0.12 - 0.24	fn 0.16 - 0.32	
Ap 0.50 - 4.00	Ap 0.50 - 4.00	Ap 0.50 - 4.00	

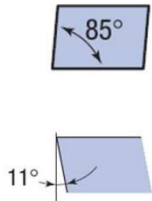
Amount	30 pcs	50 pcs	100 pcs
Price/unit	€ 129.00	€ 190.00	€ 360.00
Net price/piece	€ 4.30	€ 3.80	€ 3.60
Excl. freight			



Rough machining with : APMT 1604 [07-PD] TR MRE PVD PMK U

P	M	K	S
Vc 100 - 230	Vc 90 - 180	Vc 120 - 200	
fn 0.16 - 0.32	fn 0.12 - 0.24	fn 0.16 - 0.32	
Ap 0.50 - 4.00	Ap 0.50 - 4.00	Ap 0.50 - 4.00	

Amount	30 pcs	50 pcs	100 pcs
Price/unit	€ 126.00	€ 185.00	€ 345.00
Net price/piece	€ 4.20	€ 3.70	€ 3.45
Excl. freight			

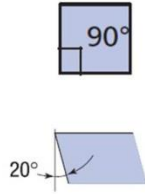


Standard machining with : APGT 1604 [10-PD] ER ALUSE PVD N H

N	H
Vc 200 - 800	
fn 0.14 - 0.28	
Ap 0.50 - 6.00	

Amount	30 pcs	50 pcs	100 pcs
Price/unit	€ 135.00	€ 200.00	€ 375.00
Net price/piece	€ 4.50	€ 4.00	€ 3.75
Excl. freight			

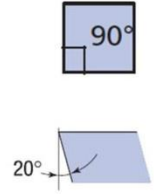
SE.. positive shape - 90°



Rough machining with : SEKT 1204 AFTN MRE PVD PMK U

P	M	K	S
Vc 100 - 230	Vc 90 - 180	Vc 120 - 200	
fn 0.15 - 0.35	fn 0.12 - 0.25	fn 0.15 - 0.35	
Ap 0.50 - 3.50	Ap 0.50 - 3.50	Ap 0.50 - 3.50	

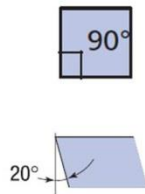
Amount	30 pcs	50 pcs	100 pcs
Price/unit	€ 126.00	€ 185.00	€ 345.00
Net price/piece	€ 4.20	€ 3.70	€ 3.45
Excl. freight			



Rough machining with : SEGT 1204 AFEN ALURE PVD N H

N	H
Vc 200 - 800	
fn 0.15 - 0.40	
Ap 0.50 - 4.00	

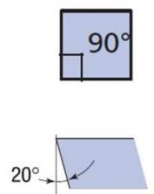
Amount	30 pcs	50 pcs	100 pcs
Price/unit	€ 135.00	€ 200.00	€ 375.00
Net price/piece	€ 4.50	€ 4.00	€ 3.75
Excl. freight			



Rough machining with : SEKN 1203 AFTN MRE PVD PK U

P	M	K	S
Vc 100 - 230		Vc 120 - 200	
fn 0.14 - 0.30		fn 0.14 - 0.30	
Ap 0.50 - 2.50		Ap 0.50 - 2.50	

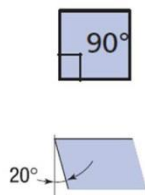
Amount	30 pcs	50 pcs	100 pcs
Price/unit	€ 126.00	€ 185.00	€ 345.00
Net price/piece	€ 4.20	€ 3.70	€ 3.45
Excl. freight			



Rough machining with : SEKN 1204 AFTN MRE PVD PK U

P	M	K	S
Vc 100 - 230		Vc 120 - 200	
fn 0.14 - 0.30		fn 0.14 - 0.30	
Ap 0.50 - 3.00		Ap 0.50 - 3.00	

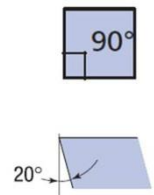
Amount	30 pcs	50 pcs	100 pcs
Price/unit	€ 126.00	€ 185.00	€ 345.00
Net price/piece	€ 4.20	€ 3.70	€ 3.45
Excl. freight			



Rough machining with : SEKN 1504 AFTN MRE PVD PK U

P	M	K	S
Vc 100 - 230		Vc 120 - 200	
fn 0.20 - 0.40		fn 0.20 - 0.40	
Ap 0.50 - 4.00		Ap 0.50 - 4.00	

Amount	30 pcs	50 pcs	100 pcs
Price/unit	€ 141.00	€ 210.00	€ 395.00
Net price/piece	€ 4.70	€ 4.20	€ 3.95
Excl. freight			

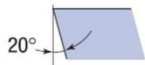


Standard machining with : SEKR 1203 AFTN USE PVD PMK U

P	M	K	S
Vc 100 - 230	Vc 90 - 180	Vc 120 - 200	
fn 0.14 - 0.30	fn 0.12 - 0.24	fn 0.14 - 0.30	
Ap 0.50 - 2.50	Ap 0.50 - 2.50	Ap 0.50 - 2.50	

Amount	30 pcs	50 pcs	100 pcs
Price/unit	€ 126.00	€ 185.00	€ 345.00
Net price/piece	€ 4.20	€ 3.70	€ 3.45
Excl. freight			

SE.. positive shape - 90°



Standaard bewerken met :

SEKR 1204 AFTN USE PVD PMK U

P	M	K	S
Vc 100 - 230	Vc 90 - 180	Vc 120 - 200	
fn 0.14 - 0.30	fn 0.12 - 0.24	fn 0.14 - 0.30	
Ap 0.50 - 2.50	Ap 0.50 - 2.50	Ap 0.50 - 2.50	

Amount	30 pcs	50 pcs	100 pcs
Price/unit	€ 126.00	€ 185.00	€ 345.00
Net price/piece	€ 4.20	€ 3.70	€ 3.45
Excl. freight			

RD.. positive shape - 360° rond



Standard machining with :			
RDMT 0602 M0 MSE PVD PMK U			
P	M	K	S
Vc 100 - 230	Vc 90 - 180	Vc 120 - 200	
fn 0.20 - 0.30	fn 0.15 - 0.25	fn 0.20 - 0.30	
Ap 0.30 - 0.80	Ap 0.30 - 0.80	Ap 0.30 - 0.80	

Amount	30 pcs	50 pcs	100 pcs
Price/unit	€ 102.00	€ 145.00	€ 265.00
Net price/piece	€ 3.40	€ 2.90	€ 2.65
Excl. freight			



Standard machining with :			
RDMT 0702 M0 MSE PVD PMK U			
P	M	K	S
Vc 100 - 230	Vc 90 - 180	Vc 120 - 200	
fn 0.20 - 0.40	fn 0.15 - 0.30	fn 0.20 - 0.40	
Ap 0.30 - 0.80	Ap 0.30 - 0.80	Ap 0.30 - 0.80	

Amount	30 pcs	50 pcs	100 pcs
Price/unit	€ 102.00	€ 145.00	€ 265.00
Net price/piece	€ 3.40	€ 2.90	€ 2.65
Excl. freight			



Standard machining with :			
RDMT 0803 M0 MSE PVD PMK U			
P	M	K	S
Vc 100 - 230	Vc 90 - 180	Vc 120 - 200	
fn 0.20 - 0.50	fn 0.15 - 0.35	fn 0.20 - 0.50	
Ap 0.50 - 0.80	Ap 0.50 - 0.80	Ap 0.50 - 0.80	

Amount	30 pcs	50 pcs	100 pcs
Price/unit	€ 102.00	€ 145.00	€ 265.00
Net price/piece	€ 3.40	€ 2.90	€ 2.65
Excl. freight			



Standard machining with :			
RDMT 1003 M0 MSE PVD PMK U			
P	M	K	S
Vc 100 - 230	Vc 90 - 180	Vc 120 - 200	
fn 0.20 - 0.60	fn 0.15 - 0.40	fn 0.20 - 0.60	
Ap 0.50 - 1.00	Ap 0.50 - 1.00	Ap 0.50 - 1.00	

Amount	30 pcs	50 pcs	100 pcs
Price/unit	€ 108.00	€ 155.00	€ 285.00
Net price/piece	€ 3.60	€ 3.10	€ 2.85
Excl. freight			



Standard machining with :			
RDMT 10T3 M0 MSE PVD PMK U			
P	M	K	S
Vc 100 - 230	Vc 90 - 180	Vc 120 - 200	
fn 0.20 - 0.60	fn 0.15 - 0.40	fn 0.20 - 0.60	
Ap 0.50 - 1.50	Ap 0.50 - 1.50	Ap 0.50 - 1.50	

Amount	30 pcs	50 pcs	100 pcs
Price/unit	€ 108.00	€ 155.00	€ 285.00
Net price/piece	€ 3.60	€ 3.10	€ 2.85
Excl. freight			



Standard machining with :			
RDMT 12T3 M0 MSE PVD PMK U			
P	M	K	S
Vc 100 - 230	Vc 90 - 180	Vc 120 - 200	
fn 0.20 - 0.70	fn 0.15 - 0.45	fn 0.20 - 0.70	
Ap 0.50 - 2.00	Ap 0.50 - 2.00	Ap 0.50 - 2.00	

Amount	30 pcs	50 pcs	100 pcs
Price/unit	€ 120.00	€ 175.00	€ 325.00
Net price/piece	€ 4.00	€ 3.50	€ 3.25
Excl. freight			

RD.. positive shape - 360° rond



Standard machining with : RDMT 1204 M0 MSE PVD PMK U

P	M	K	S
Vc 100 - 230	Vc 90 - 180	Vc 120 - 200	
fn 0.20 - 0.70	fn 0.15 - 0.5	fn 0.20 - 0.70	
Ap 0.50 - 2.50	Ap 0.50 - 2.50	Ap 0.50 - 2.50	

Amount	30 pcs	50 pcs	100 pcs
Price/unit	€ 120.00	€ 175.00	€ 325.00
Net price/piece	€ 4.00	€ 3.50	€ 3.25
Excl. freight			



Standard machining with : RDMT 1604 M0 MSE PVD PMK U

P	M	K	S
Vc 100 - 230	Vc 90 - 180	Vc 120 - 200	
fn 0.25 - 1.00	fn 0.20 - 0.6	fn 0.25 - 1.00	
Ap 0.50 - 3.00	Ap 0.50 - 3.00	Ap 0.50 - 3.00	

Amount	30 pcs	50 pcs	100 pcs
Price/unit	€ 138.00	€ 205.00	€ 385.00
Net price/piece	€ 4.60	€ 4.10	€ 3.85
Excl. freight			



Standard machining with : RDMW 10T3 M0 USE PVD PK H

P	M	K	S
Vc 100 - 230		Vc 120 - 200	
fn 0.20 - 0.60		fn 0.20 - 0.60	
Ap 0.50 - 1.50		Ap 0.50 - 1.50	

Amount	30 pcs	50 pcs	100 pcs
Price/unit	€ 108.00	€ 155.00	€ 285.00
Net price/piece	€ 3.60	€ 3.10	€ 2.85
Excl. freight			



Standard machining with : RDMW 1204 M0 USE PVD PK H

P	M	K	S
Vc 100 - 230		Vc 120 - 200	
fn 0.20 - 0.70		fn 0.20 - 0.70	
Ap 0.50 - 2.50		Ap 0.50 - 2.50	

Amount	30 pcs	50 pcs	100 pcs
Price/unit	€ 120.00	€ 175.00	€ 325.00
Net price/piece	€ 4.00	€ 3.50	€ 3.25
Excl. freight			



Standard machining with : RDMX 10T3 M0 FSE PVD PMKS U

P	M	K	S
Vc 100 - 230	Vc 90 - 180	Vc 120 - 200	Vc 25 - 50
fn 0.20 - 0.60	fn 0.12 - 0.40	fn 0.20 - 0.60	fn 0.12 - 0.30
Ap 0.50 - 1.50	Ap 0.50 - 1.50	Ap 0.50 - 1.50	Ap 0.50 - 1.50

Amount	30 pcs	50 pcs	100 pcs
Price/unit	€ 108.00	€ 155.00	€ 285.00
Net price/piece	€ 3.60	€ 3.10	€ 2.85
Excl. freight			



Standard machining with : RDMX 1204 M0 FSE PVD PMKS U

P	M	K	S
Vc 100 - 230	Vc 90 - 180	Vc 120 - 200	Vc 25 - 50
fn 0.20 - 0.70	fn 0.16 - 0.50	fn 0.20 - 0.70	fn 0.14 - 0.35
Ap 0.50 - 2.50	Ap 0.50 - 2.50	Ap 0.50 - 2.50	Ap 0.50 - 2.50

Amount	30 pcs	50 pcs	100 pcs
Price/unit	€ 120.00	€ 175.00	€ 325.00
Net price/piece	€ 4.00	€ 3.50	€ 3.25
Excl. freight			

OD.. positive shape - 135°



Standard machining with :
ODMT 060508 TN MSE PVD PMK U

P	M	K	S
Vc 100 - 230	Vc 90 - 180	Vc 120 - 200	
fn 0.22 - 0.45	fn 0.16 - 0.32	fn 0.22 - 0.45	
Ap 0.50 - 2.00	Ap 0.50 - 2.00	Ap 0.50 - 2.00	

Amount	30 pcs	50 pcs	100 pcs
Price/unit	€ 141.00	€ 210.00	€ 395.00
Net price/piece	€ 4.70	€ 4.20	€ 3.95
Excl. freight			

Standard machining with :
ODMW 060508 TN MSE PVD PK U

P	M	K	S
Vc 100 - 230		Vc 120 - 200	
fn 0.22 - 0.50		fn 0.22 - 0.50	
Ap 0.50 - 2.00		Ap 0.50 - 2.00	

Amount	30 pcs	50 pcs	100 pcs
Price/unit	€ 141.00	€ 210.00	€ 395.00
Net price/piece	€ 4.70	€ 4.20	€ 3.95
Excl. freight			

OF.. positive shape - 135°



Standard machining with : OFMT 05T305 TN MSE PVD PMK U

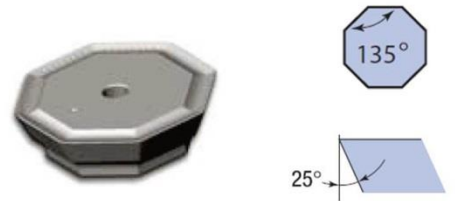
P	M	K	S
Vc 100 - 230	Vc 90 - 180	Vc 120 - 200	
fn 0.18 - 0.36	fn 0.16 - 0.32	fn 0.18 - 0.36	
Ap 0.50 - 2.00	Ap 0.50 - 2.00	Ap 0.50 - 2.00	

Amount	30 pcs	50 pcs	100 pcs
Price/unit	€ 132.00	€ 195.00	€ 365.00
Net price/piece	€ 4.40	€ 3.90	€ 3.65
Excl. freight			

Standard machining with : OFMT 050405 TR MSE PVD PMK U

P	M	K	S
Vc 100 - 230	Vc 90 - 180	Vc 120 - 200	
fn 0.22 - 0.36	fn 0.20 - 0.32	fn 0.22 - 0.36	
Ap 0.50 - 2.00	Ap 0.50 - 2.00	Ap 0.50 - 2.00	

Amount	30 pcs	50 pcs	100 pcs
Price/unit	€ 132.00	€ 195.00	€ 365.00
Net price/piece	€ 4.40	€ 3.90	€ 3.65
Excl. freight			



Standard machining with : OFMT 070405 TN MSE PVD PMK U

P	M	K	S
Vc 100 - 230	Vc 90 - 180	Vc 120 - 200	
fn 0.22 - 0.45	fn 0.20 - 0.32	fn 0.22 - 0.45	
Ap 0.50 - 3.00	Ap 0.50 - 3.00	Ap 0.50 - 3.00	

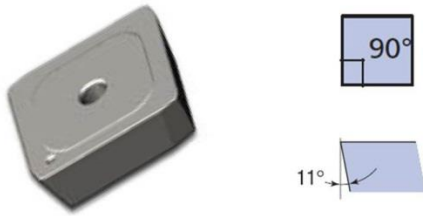
Amount	30 pcs	50 pcs	100 pcs
Price/unit	€ 141.00	€ 210.00	€ 395.00
Net price/piece	€ 4.70	€ 4.20	€ 3.95
Excl. freight			

Standard machining with : OFER 070405 TN FSE PVD PMK U

P	M	K	S
Vc 100 - 230	Vc 90 - 180	Vc 120 - 200	
fn 0.22 - 0.45	fn 0.20 - 0.32	fn 0.22 - 0.45	
Ap 0.50 - 3.00	Ap 0.50 - 3.00	Ap 0.50 - 3.00	

Amount	30 pcs	50 pcs	100 pcs
Price/unit	€ 141.00	€ 210.00	€ 395.00
Net price/piece	€ 4.70	€ 4.20	€ 3.95
Excl. freight			

SP.. positive shape - 90°



Rough machining with : SPKN 1203 EDTR MRE PVD PK U

P	M	K	S
Vc 100 - 230		Vc 120 - 200	
fn 0.18 - 0.35		fn 0.18 - 0.35	
Ap 0.50 - 2.00		Ap 0.50 - 2.00	

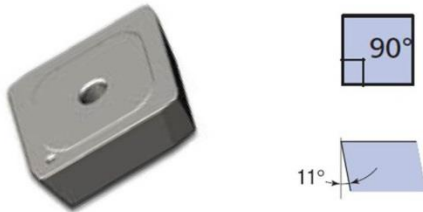
Amount	30 pcs	50 pcs	100 pcs
Price/unit	€ 126.00	€ 185.00	€ 345.00
Net price/piece	€ 4.20	€ 3.70	€ 3.45
Excl. freight			



Rough machining with : SPKN 1204 EDTR MRE PVD PK U

P	M	K	S
Vc 100 - 230		Vc 120 - 200	
fn 0.20 - 0.35		fn 0.20 - 0.35	
Ap 0.50 - 2.50		Ap 0.50 - 2.50	

Amount	30 pcs	50 pcs	100 pcs
Price/unit	€ 126.00	€ 185.00	€ 345.00
Net price/piece	€ 4.20	€ 3.70	€ 3.45
Excl. freight			



Rough machining with : SPKN 1504 EDTR MRE PVD PK U

P	M	K	S
Vc 100 - 230		Vc 120 - 200	
fn 0.20 - 0.40		fn 0.20 - 0.40	
Ap 0.50 - 3.50		Ap 0.50 - 3.50	

Amount	30 pcs	50 pcs	100 pcs
Price/unit	€ 141.00	€ 210.00	€ 395.00
Net price/piece	€ 4.70	€ 4.20	€ 3.95
Excl. freight			



Standard machining with : SPKR 1203 EDTR MSE PVD PMK U

P	M	K	S
Vc 100 - 230	Vc 90 - 180	Vc 120 - 200	
fn 0.18 - 0.35	fn 0.12 - 0.24	fn 0.18 - 0.35	
Ap 0.50 - 2.00	Ap 0.50 - 2.00	Ap 0.50 - 2.00	

Amount	30 pcs	50 pcs	100 pcs
Price/unit	€ 126.00	€ 185.00	€ 345.00
Net price/piece	€ 4.20	€ 3.70	€ 3.45
Excl. freight			



Standard machining with : SPKR 1204 EDTR MSE PVD PMK U

P	M	K	S
Vc 100 - 230	Vc 90 - 180	Vc 120 - 200	
fn 0.20 - 0.40	fn 0.15 - 0.30	fn 0.20 - 0.40	
Ap 0.50 - 2.50	Ap 0.50 - 2.50	Ap 0.50 - 2.50	

Amount	30 pcs	50 pcs	100 pcs
Price/unit	€ 126.00	€ 185.00	€ 345.00
Net price/piece	€ 4.20	€ 3.70	€ 3.45
Excl. freight			

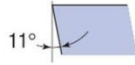
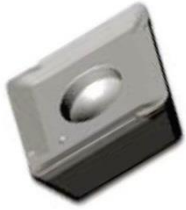


Standard machining with : SPUN 120308 FSE PVD PK U

P	M	K	S
Vc 100 - 230		Vc 120 - 200	
fn 0.15 - 0.30		fn 0.15 - 0.30	
Ap 0.50 - 2.00		Ap 0.50 - 2.00	

Amount	30 pcs	50 pcs	100 pcs
Price/unit	€ 102.00	€ 145.00	€ 265.00
Net price/piece	€ 3.40	€ 2.90	€ 2.65
Excl. freight			

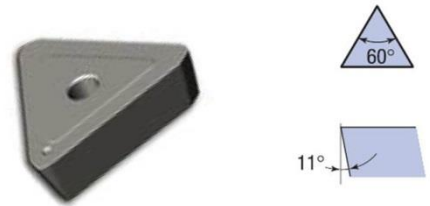
SP.. positive shape - 90°



Rough machining with :			
SPMT 12T308 MRE PVD PMK U			
P	M	K	S
Vc 100 - 230	Vc 90 - 180	Vc 120 - 200	
fn 0.12 - 0.26	fn 0.10 - 0.20	fn 0.12 - 0.26	
Ap 0.50 - 3.00	Ap 0.50 - 3.00	Ap 0.50 - 3.00	

Amount	30 pcs	50 pcs	100 pcs
Price/unit	€ 126.00	€ 185.00	€ 345.00
Net price/piece	€ 4.20	€ 3.70	€ 3.45
Excl. freight			

TP.. positive shape - 60°



Rough machining with : TPKN 1603 PDTR MRE PVD PK U

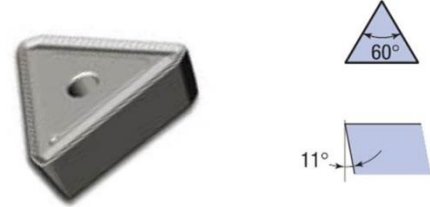
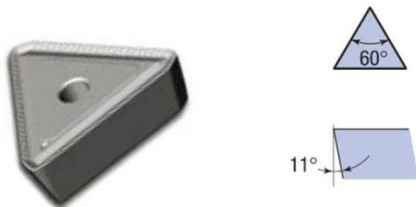
P	M	K	S
Vc 100 - 230		Vc 120 - 200	
fn 0.14 - 0.28		fn 0.14 - 0.28	
Ap 0.50 - 2.00		Ap 0.50 - 2.00	

Amount	30 pcs	50 pcs	100 pcs
Price/unit	€ 108.00	€ 155.00	€ 285.00
Net price/piece	€ 3.60	€ 3.10	€ 2.85
Excl. freight			

Rough machining with : TPKN 2204 PDTR MRE PVD PK U

P	M	K	S
Vc 100 - 230		Vc 120 - 200	
fn 0.16 - 0.32		fn 0.16 - 0.32	
Ap 0.50 - 3.00		Ap 0.50 - 3.00	

Amount	30 pcs	50 pcs	100 pcs
Price/unit	€ 135.00	€ 200.00	€ 375.00
Net price/piece	€ 4.50	€ 4.00	€ 3.75
Excl. freight			



Standard machining with : TPKR 1603 PDTR MSE PVD PMK U

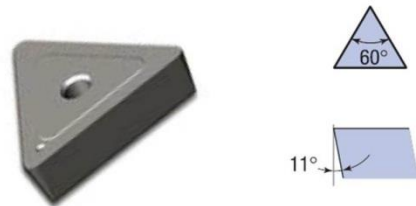
P	M	K	S
Vc 100 - 230	Vc 90 - 180	Vc 120 - 200	
fn 0.12 - 0.24	fn 0.10 - 0.20	fn 0.14 - 0.28	
Ap 0.50 - 2.00	Ap 0.50 - 2.00	Ap 0.50 - 2.00	

Amount	30 pcs	50 pcs	100 pcs
Price/unit	€ 108.00	€ 155.00	€ 285.00
Net price/piece	€ 3.60	€ 3.10	€ 2.85
Excl. freight			

Standard machining with : TPKR 2204 PDTR MSE PVD PMK U

P	M	K	S
Vc 100 - 230	Vc 90 - 180	Vc 120 - 200	
fn 0.16 - 0.32	fn 0.12 - 0.24	fn 0.16 - 0.32	
Ap 0.50 - 3.00	Ap 0.50 - 3.00	Ap 0.50 - 3.00	

Amount	30 pcs	50 pcs	100 pcs
Price/unit	€ 135.00	€ 200.00	€ 375.00
Net price/piece	€ 4.50	€ 4.00	€ 3.75
Excl. freight			



Standard machining with : TPUN 160308 FSE PVD PK U

P	M	K	S
Vc 100 - 230		Vc 120 - 200	
fn 0.12 - 0.24		fn 0.12 - 0.24	
Ap 0.50 - 2.00		Ap 0.50 - 2.00	

Amount	30 pcs	50 pcs	100 pcs
Price/unit	€ 99.00	€ 135.00	€ 250.00
Net price/piece	€ 3.30	€ 2.70	€ 2.50
Excl. freight			

FOCUS ON YUC ISO DRILLING INSERTS



YOUR UNIVERSAL CHOICE

Production characteristics

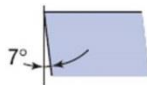
- Limited series
- Several daily production set ups

Tooling features

- Multiple applications
- Reliable performance in machining

YUC Edition

- 1 Positive shape



MATERIALS

ISO material groups

P - Steel

M - Stainless steel

K - Cast iron

YUC SMART INSERT CODE

W C M X 06 T3 08 URE
PVD PMK T

W C M X 06 T3 08 URE
PVD PMK T

W C *M* X 06 T3 08 URE
PVD PMK T

W C M X 06 T3 08 URE
PVD PMK T

W C M X *06* T3 08 URE
PVD PMK T

W C M X 06 T3 *08* URE
PVD PMK T

W C M X 06 T3 *08* URE
PVD PMK T

W C M X 06 T3 08 *URE*
PVD PMK T

W C M X 06 T3 08 URE
PVD PMK T

- *Insert shape and corner angle*

W shape - 80°

- *Relieve angle*

C - 7°

- *Tolerance*

M - coarse $d\pm 0.005$ $m\pm 0.080$ $t\pm 0.13$

- *Square section*

X - single sided positive insert

- *Approximate metric cutting length*

04 - 4 mm
05 - 5 mm
06 - 6 mm
08 - 8 mm

- *Insert thickness metric*

02 - 2.38 mm
03 - 3.18 mm
T3 - 3.97 mm
04 - 4.76 mm

- *Face land and corner shape*

08 - 0.8 mm radius
12 - 1.2 mm radius

- *Chip breaker*

URE - universal roughing ext.

- *Substrate and coating*

PVD - physical vapour deposition

YUC SMART INSERT CODE

W C M X 06 T3 08 URE
PVD *PMK* T

W C M X 06 T3 08 URE
PVD *PMK* T

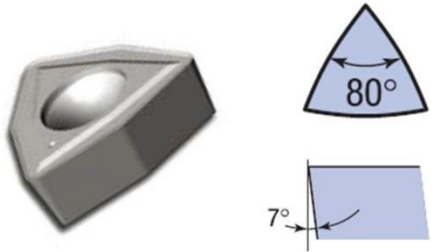
- Workpiece material

- P** - steel
- M** - stainless steel
- K** - cast iron

- Inzetgebied en hardheid snijmateriaal

- T** - tough

WC.. positive shape - 80°

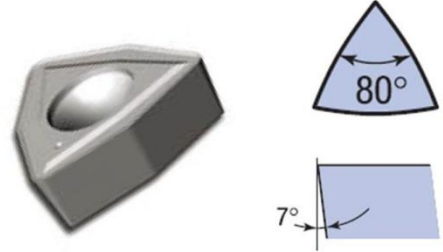


Universal to rough machining with :

WCMX 040208 URE PVD PMK T

P	M	K	S
Vc 100 - 200	Vc 80 - 140	Vc 80 - 180	
fn 0.08 - 0.14	fn 0.06 - 0.12	fn 0.10 - 0.16	

Amount	30 pcs	50 pcs	100 pcs
Price/unit	€ 117.00	€ 175.00	€ 325.00
Net price/piece	€ 3.90	€ 3.50	€ 3.25
Excl. freight			

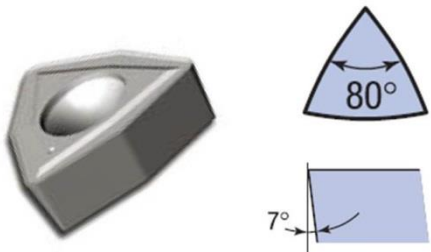


Universal to rough machining with :

WCMX 050308 URE PVD PMK T

P	M	K	S
Vc 100 - 200	Vc 80 - 140	Vc 80 - 180	
fn 0.10 - 0.16	fn 0.08 - 0.14	fn 0.12 - 0.18	

Amount	30 pcs	50 pcs	100 pcs
Price/unit	€ 132.00	€ 195.00	€ 365.00
Net price/piece	€ 4.40	€ 3.90	€ 3.65
Excl. freight			

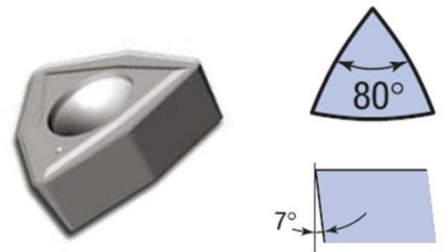


Universal to rough machining with :

WCMX 06T308 URE PVD PMK T

P	M	K	S
Vc 100 - 200	Vc 80 - 140	Vc 80 - 180	
fn 0.10 - 0.18	fn 0.08 - 0.16	fn 0.14 - 0.22	

Amount	30 pcs	50 pcs	100 pcs
Price/unit	€ 138.00	€ 205.00	€ 385.00
Net price/piece	€ 4.60	€ 4.10	€ 3.85
Excl. freight			



Universal to rough machining with :

WCMX 080412 URE PVD PMK T

P	M	K	S
Vc 100 - 200	Vc 80 - 140	Vc 80 - 180	
fn 0.12 - 0.24	fn 0.10 - 0.18	fn 0.14 - 0.28	

Amount	30 pcs	50 pcs	100 pcs
Price/unit	€ 147.00	€ 220.00	€ 415.00
Net price/piece	€ 4.90	€ 4.40	€ 4.15
Excl. freight			



info@amwsystems.nl
www.amwsystems.nl
www.amwsystems.nl/shop



0031 6 48 27 77 13