

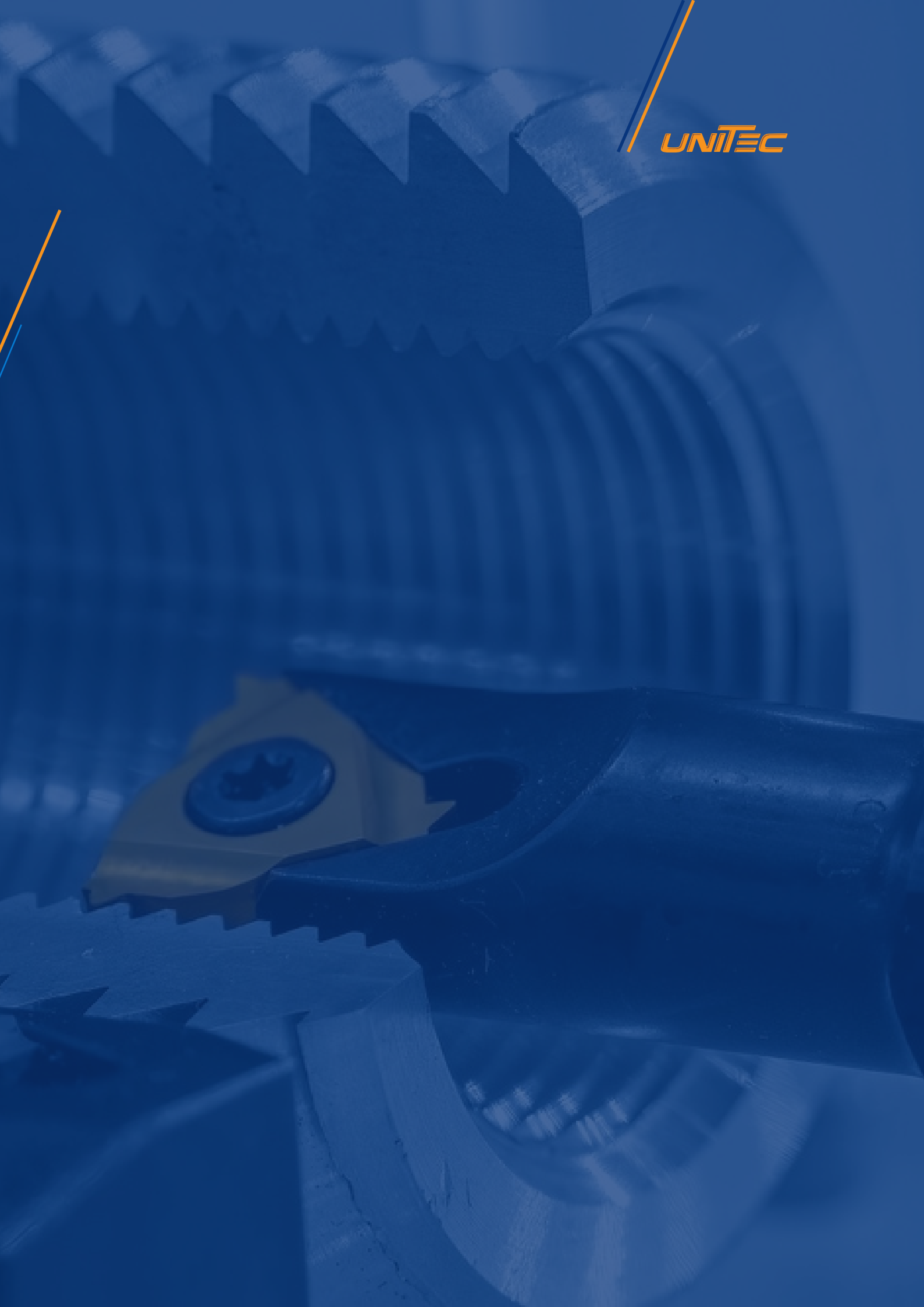


CUTTING TOOLS²⁰²⁴⁻²⁵



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UNITEC



UNITEC

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OVERVIEW



Established in 2011, Unitec India Pvt. Ltd. has garnered extensive experience in the sale of popular brands from Korea, Japan, China, Germany, and more. Our journey in multi-brand selling, coupled with comprehensive research and exploration, led us to a pivotal realization. Recognizing the evolving expectations of today's customers, we concluded that relying on a single manufacturer for a complete set of carbide-cutting tools lacked significance.

Embracing the philosophy that "SUGAR & SALT are both equally important," we meticulously selected the best in terms of performance and price. This philosophy became the foundation for the inception of UNITEC. Commencing our operations in 2015 by importing materials from diverse corners of the world, we carefully curated our suppliers by 2017. Under the UNITEC brand, we began supplying products, driven by the positive responses received from end users.

Our commitment revolves around delivering an economical tooling solution within optimal timeframes, ensuring peak productivity. As a testament to our dedication to customer satisfaction, we continually expand our catalog with new and cutting-edge products. At UNITEC, our core objective is to provide unparalleled value, combining performance and affordability, meeting the ever-evolving needs of our customers.



UNITEC

TURNING INSERTS

TNMG/TNGG

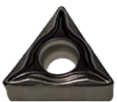
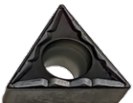
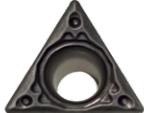
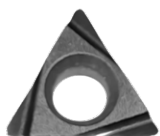
INSERTS	DESIGNATION	CERMET	COATED						NON COATED	HOLDERS & BARS
		UC70	UP1425	UP1225	UM5625	UM5825	UK3030	YC1125	UN07	
	TNMG160404-CQ		•	•						Page No. 19 - 27
	TNMG160408-CQ		•	•						
	TNMG160412-CQ		•	•						
	TNMG160404-FG	•								
	TNMG160408-FG	•								
	TNMG220408-GM			•						
	TNMG220412-GR							•		
	TNMG160402-HA					•			•	
	TNMG160404-HA					•			•	
	TNMG160408-HA					•			•	
	TNMG160412-HA					•			•	
	TNMG160404-HM					•				
	TNMG160408-HM					•				
	TNMG160412-HM					•				
	TNMG160404-HQ	•								
	TNMG160408-HQ	•								
	TNMG160412-HQ	•								
	TNGG160402-L-S	•								
	TNGG160404-L-S	•								
	TNMG160404-L-ST			•						
	TNMG160404-MA				•					
	TNMG160408-MA				•					
	TNMG160412-MA				•					

TNMG/TNGG/TNMA/TCGT

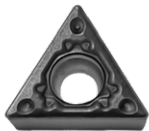
INSERTS	DESIGNATION	CERMET	COATED						NON COATED	HOLDERS & BARS
		UC70	UP1425	UP1225	UM5625	UM5825	UK3030	YC1125	UN07	
	TNMG160404-MS				•					
	TNMG160408-MS				•					
	TNMG160412-MS				•					
	TNMG160404-MT	•		•						
	TNMG160408-MT	•		•						
	TNMG160412-MT	•		•						
	TNGG160404-R-S	•								
	TNMG160408-R-ST	•								
	TNMG160404-TM		•	•						
	TNMG160408-TM		•	•						
	TNMG160412-TM		•	•						
	TNMG160404-GR						•			
	TNMG160408-GR						•			
	TNMG160412-GR						•			
	TNMA160404						•			
	TNMA160408						•			
	TNMA160412						•			
	TNMG160404						•			
	TNMG160408						•			
	TNMG160412						•			
	TCGT090204-AK								•	
	TCGT090208-AK								•	
	TCGT110202-AK								•	
	TCGT110204-AK								•	
	TCGT110208-AK								•	
	TCGT16T302-AK								•	
	TCGT16T304-AK								•	
	TCGT16T308-AK								•	

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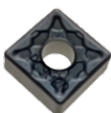
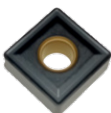
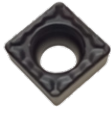
TCMT/TPGX

INSERTS	DESIGNATION	CERMET	COATED						NON COATED	HOLDERS & BARS
		UC70	UP1425	UP1225	UM5625	UM5825	UK3030	YC1125	UN07	
	TCMT110204-FG	•								Page No. 19 - 27
	TCMT16T304-HMP					•				
	TCMT16T308-HMP					•				
	TCMT090204-HQ	•		•						
	TCMT110204-HQ	•		•						
	TCMT110208-HQ	•		•						
	TCMT16T304-HQ	•		•						
	TCMT16T308-HQ			•						
	TCMT090204-MT	•								
	TCMT110204-MT	•		•						
	TCMT110208-MT			•						
	TCMT16T304-MT			•						
	TCMT16T308-MT			•						
	TCMT110204				•					
	TCMT110208				•					
	TCMT16T304				•					
	TCMT16T308				•					
	TPGX060102-L	•								
	TPGX060104-L	•								
	TPGX080202-L	•								
	TPGX080204-L	•								
	TPGX090202-L	•								
	TPGX090204-L	•								
	TPGX110302-L	•								
	TPGX110304-L	•								

TPMT

INSERTS	DESIGNATION	CERMET	COATED						NON COATED	HOLDERS & BARS
		UC70	UP1425	UP1225	UM5625	UM5825	UK3030	YC1125	UN07	
	TPMT110304-HQ	•				•				Page No. 19 - 27
	TPMT110308-HQ	•				•				

SNMG/SCGT/SCMT

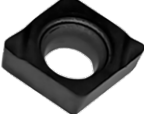
INSERTS	DESIGNATION	CERMET	COATED						NON COATED	HOLDERS & BARS
		UC70	UP1425	UP1225	UM5625	UM5825	UK3030	YC1125	UN07	
	SNMG120404-HA					•				Page No. 19 - 27
	SNMG120404-HM					•				
	SNMG120408-HM					•				
	SNMG120404-MA				•					
	SNMG120408-MA				•					
	SNMG120408						•			
	SCGT09T304-AK							•		
	SCGT09T308-AK							•		
	SCGT120404-AK							•		
	SCGT120408-AK							•		
	SCMT120408-HM				•					

CNMG

INSERTS	DESIGNATION	CERMET	COATED					NON COATED	HOLDERS & BARS
		UC70	UP1425	UP1225	UM5625	UM5825	UK3030	UN07	
	CNMG120404-CQ		•	•					
	CNMG120408-CQ		•	•					
	CNMG120412-CQ		•	•					
	CNMG120402-HA							•	
	CNMG120404-HA					•		•	
	CNMG120408-HA					•		•	
	CNMG120404-HM					•			
	CNMG120408-HM					•			
	CNMG120412-HM					•			
	CNMG120408-HS					•			
	CNMG120404-MA				•				
	CNMG120408-MA				•				
	CNMG120412-MA				•				
	CNMG120404-MS				•				
	CNMG120408-MS				•				
	CNMG120412-MS				•				
	CNMG120404-MT	•		•					
	CNMG120408-MT	•		•					
	CNMG120412-MT			•					
	CNMG120404-TM		•	•					
	CNMG120408-TM		•	•					
	CNMG120412-TM		•	•					
	CNMG120404-GR						•		
	CNMG120408-GR						•		
	CNMG120412-GR						•		
	CNMG120404						•		
	CNMG120408						•		
	CNMG120412						•		

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CNMA/CCGT

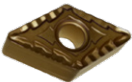
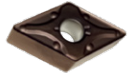
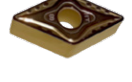
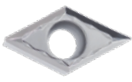
INSERTS	DESIGNATION	CERMET	COATED					NON COATED	HOLDERS & BARS
		UC70	UP1425	UP1225	UM5625	UM5825	UK3030	UN07	
	CNMA120404						•		
	CNMA120408						•		
	CNMA120412						•		
	CCGT120408-AK							•	
	CCGT120404-AK							•	
	CCGT120402-AK							•	
	CCGT09T308-AK							•	
	CCGT09T304-AK							•	
	CCGT09T302-AK							•	
	CCGT09T301-AK							•	
	CCGT060208-AK							•	
	CCGT060204-AK							•	
	CCGT060202-AK							•	
	CCGT060201-AK							•	
	CCGT120408-FL							•	
	CCGT120404-FL							•	
	CCGT120402-FL							•	
	CCGT09T308-FL							•	
	CCGT09T304-FL							•	
	CCGT09T302-FL							•	
	CCGT060208-FL							•	
	CCGT060204-FL							•	
	CCGT060202-FL							•	
	CCGT040104-L-F	•							
	CCGT030104-L-F	•							
	CCGT030102-L-F	•							
	CCGT040104-R-F	•							
	CCGT040102-R-F	•							
	CCGT030104-R-F	•							
	CCGT030102-R-F	•							

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CCMT

INSERTS	DESIGNATION	CERMET	COATED					NON COATED	HOLDERS & BARS
		UC70	UP1425	UP1225	UM5625	UM5825	UK3030	UN07	
	CCMT09T308-FG	•							Page No. 19 – 27
	CCMT09T304-FG	•							
	CCMT060204-FG	•							
	CCMT09T308-HMP					•			
	CCMT09T304-HMP					•			
	CCMT060204-HMP					•			
	CCMT060208-HMP					•			
	CCMT09T308-HQ	•		•					
	CCMT09T304-HQ	•		•					
	CCMT09T302-HQ	•							
	CCMT060208-HQ			•					
	CCMT060204-HQ	•		•					
	CCMT09T308-MT	•		•					
	CCMT09T304-MT	•		•					
	CCMT060208-MT			•					
	CCMT060204-MT	•		•					
	CCMT120408				•		•		
	CCMT120404						•		
	CCMT09T308				•				
	CCMT09T304				•				
	CCMT060208				•				
	CCMT060204				•				

DNMG/DCGT

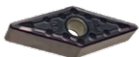
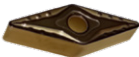
INSERTS	DESIGNATION	CERMET	COATED					NON COATED	HOLDERS & BARS
		UC70	UP1425	UP1225	UM5625	UM5825	UK3030	UN07	
	DNMG150604-CQ		•	•					
	DNMG150608-CQ		•	•					
	DNMG150612-CQ		•	•					
	DNMG150604-HA							•	
	DNMG150608-HA							•	
	DNMG150604-HM					•			
	DNMG150608-HM					•			
	DNMG150612-HM					•			
	DNMG150604-MA				•				
	DNMG150608-MA				•				
	DNMG150604-MS				•				
	DNMG150608-MS				•				
	DNMG150604-MT			•					
	DNMG150608-MT			•					
	DCGT070202-AK							•	
	DCGT070204-AK							•	
	DCGT070208-AK							•	
	DCGT11T301-AK							•	
	DCGT11T302-AK							•	
	DCGT11T304-AK							•	
	DCGT11T308-AK							•	
	DCGT070202-FL							•	
	DCGT070204-FL							•	
	DCGT070208-FL							•	
	DCGT11T302-FL							•	
	DCGT11T304-FL							•	
	DCGT11T308-FL							•	

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DCMT

INSERTS	DESIGNATION	CERMET	COATED					NON COATED	HOLDERS & BARS
		UC70	UP1425	UP1225	UM5625	UM5825	UK3030	UN07	
	DCMT11T304-HMP					•			Page No. 19 – 27
	DCMT11T308-HMP					•			
	DCMT070204-HMP					•			
	DCMT11T304-HMP					•			
	DCMT070204-HQ	•		•					
	DCMT070208-HQ	•		•					
	DCMT11T302-HQ	•							
	DCMT11T304-HQ	•		•					
	DCMT11T308-HQ	•		•					
	DCMT11T304-MT	•		•					
	DCMT11T308-MT	•		•					
	DCMT070204				•				
	DCMT070208				•				
	DCMT11T304				•				
	DCMT11T308				•				
	DCMT070204-FG	•							
	DCMT11T304-FG	•							
	DCMT11T308-FG	•							

VNMG/VBMT

INSERTS	DESIGNATION	CERMET	COATED					NON COATED	HOLDERS & BARS
		UC70	UP1425	UP1225	UM5625	UM5825	UK3030	UN07	
	VNMG160404-HA							•	
	VNMG160402-HA							•	
	VNMG160408-HA							•	
	VNMG160404-HM					•			
	VNMG160408-HM					•			
	VNMG160412-HM					•			
	VNMG160404-HQ	•		•					
	VNMG160408-HQ	•		•					
	VNMG160404-MA				•				
	VNMG160408-MA				•				
	VNMG160412-MA				•				
	VNMG160404-MS				•				
	VNMG160408-MS				•				
	VNMG160404-MT	•		•					
	VNMG160408-MT	•		•					
	VNMG160404-TM		•	•					
	VNMG160408-TM		•	•					
	VNMG160408-TM		•	•					
	VNMG160404						•		
	VNMG160408						•		
	VBMT160404-HMP					•			
	VBMT160408-HMP					•			

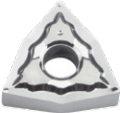
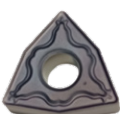
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VBMT/VCGT

INSERTS	DESIGNATION	CERMET	COATED					NON COATED	HOLDERS & BARS
		UC70	UP1425	UP1225	UM5625	UM5825	UK3030	UN07	
	VBMT110304-HQ					•			
	VBMT160404-HQ	•		•					
	VBMT160408-HQ	•		•					
	VBMT160404-MT	•		•					
	VBMT160408-MT	•		•					
	VBMT110304-MV				•				
	VBMT110308-MV				•				
	VBMT110304-MA				•				
	VBMT110308-MA				•				
	VCGT110302-AK							•	
	VCGT110304-AK							•	
	VCGT110308-AK							•	
	VCGT160402-AK							•	
	VCGT160404-AK							•	
	VCGT160408-AK							•	
	VCGT080202-FL							•	
	VCGT080204-FL							•	
	VCGT110302-FL							•	
	VCGT110304-FL							•	
	VCGT110308-FL							•	
	VCGT160402-FL							•	
	VCGT160404-FL							•	
	VCGT160408-FL							•	
	VBMT160404-FG	•							
	VBMT160408-FG	•							

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WNMG/WNMA

INSERTS	DESIGNATION	CERMET	COATED						NON COATED	HOLDERS & BARS
		UC70	UP1425	UP1225	UM5625	UM5825	UK3030	UT925	UN07	
	WNMG080404-HA					•			•	Page No. 19 – 27
	WNMG080408-HA					•			•	
	WNMG080404-HM					•				
	WNMG080408-HM					•				
	WNMG080412-HM					•				
	WNMG080404-MA				•					
	WNMG080408-MA				•					
	WNMG080412-MA				•					
	WNMG080404-MS				•					
	WNMG080408-MS				•					
	WNMG080412-MS				•					
	WNMG060404-MT			•						
	WNMG060408-MT			•						
	WNMG080412-MT			•						
	WNMG080404-TM		•	•						
	WNMG080408-TM		•	•						
	WNMG080412-TM		•	•						
	WNMG080404-GR						•			
	WNMG080408-GR						•			
	WNMG080412-GR						•			
	WNMA080404						•			
	WNMA080408						•			
	WNMA080412						•			
	WNMG080404						•			
	WNMG080408						•			
	WNMG080412						•			

WBMT/WNMG

INSERTS	DESIGNATION	CERMET	COATED						NON COATED	HOLDERS & BARS
		UC70	UP1425	UP1225	UM5625	UM5825	UK3030	UT925	UN07	
	WBMT060102-L-DP	•				•				Page No. 19 - 27
	WBMT060104-L-DP	•				•				
	WNMG080404-CQ		•	•						
	WNMG080408-CQ		•	•						
	WNMG080412-CQ		•	•						

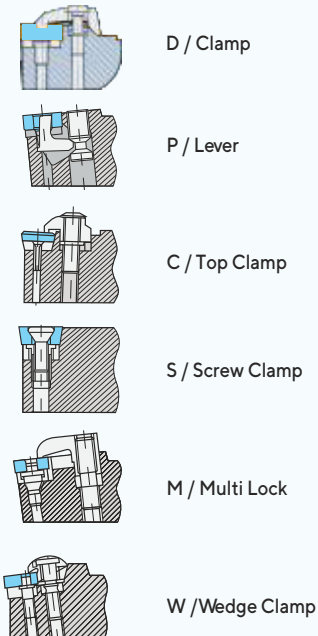
UNITEC

HOLDERS & BORING BARS

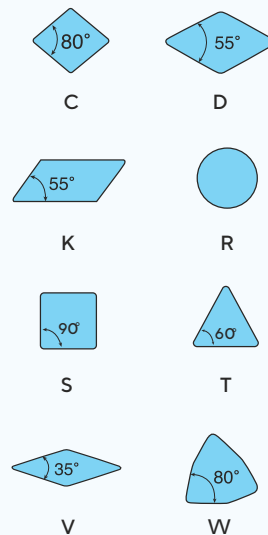


Designation System of External Holder

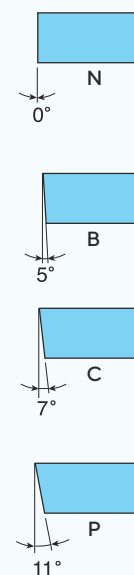
1. Clamping System



2. Insert Shape



4. Insert Clearance Angle



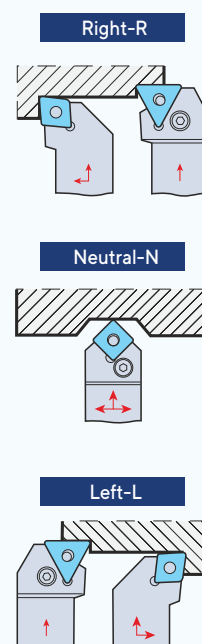
P C L N R

1 2 3 4 5

3. Approach Angle

Symbol	Shape	Offset	Symbol	Shape	Offset	Symbol	Shape	Offset
A	90°	x	J	93°	○	V	72.5°	x
	90°		K	75°	○	W	60°	○
B	75°	x	L	95°	○	X	Special	
			M	50°	x			
D	45°	x	N	63°	x			
E	60°	x	R	75°	○			
F	90°	○	S	45°	○			
G	90°	○	T	60°	○			
	90°		U	93°	○			

5. Hand of Tool



M/W - Clamp Multi Lock System

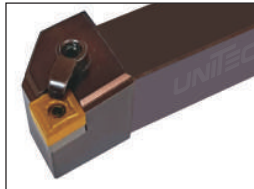
WTJNR/L



1616 H16
2020-K16
2525-M16

WIDIA CLAMP

MCLNR/L



2020-K12
2525-M12
3232-P12

MVVNN



2020-K16
2525-M16
3232-P16

WTENN



2020-K16
2525-M16

WIDIA CLAMP

MCKNR/L



2020-K12
2525-M12
3232-P12

MVQNR/L



2020-K16
2525-M16
3232-P16
4040-R16

MTFNR/L



2020-K16
2525-M16
3232-P16

MCBNR/L



2020-K12
2525-M12
3232-P12

MVUNR/L



2020-K16
2525-M16

MTJNR/L



1616-H16
2020-K16
2525-M16

MDQNR/L



1616-H11
2020-K11
2525-M11
2020-K15
2525-M15
3232-P15

MVJNR/L



2020-K16
2525-M16
3232-P16

MCLNR/L



3232-P19
5050-S19

MDJNR/L MDPNN



2020-K15
2525-M15
3232-P15

MWLNR/L



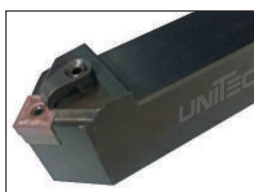
1616-H06
2020-K06
2525-M06
2020-K08
2525-M08

MSSNR/L



2020-K12
2525-M12

MSDNN



2020-K12
2525-M12
3232-P15

CARTRIDGE



ATFNR/L 16
CA16

TNMG

Clamp System

A-Clamp System

ACLNR/L



2020-K12
2525-M12
3232-P12
3232-P19
4040-S19

ACKNR/L



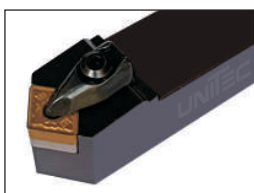
2020-K12
2525-M12
3232-P12

ACBNR/L



2020-K12
2525-M12

ACZNN



2020-K12
2525-M12

AWLNR/L



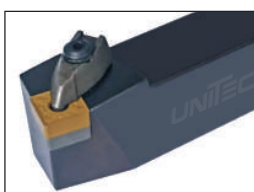
2020-K08
2525-M08

ACBNN



2020-K12
2525-M12

ASBNR/L



2020-K12
2525-M12

ASDNN



2020-K12
2525-M12

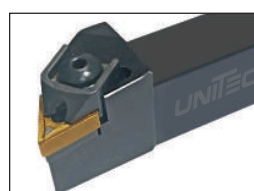
ADJNR/L



2020-K12
2525-M12

B-Clamp System

BTJNR/L



2020-K16
2525-M16
3232-P16

BTQNR/L



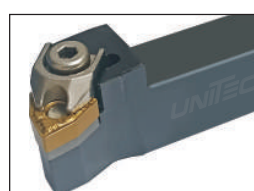
2020-K16
2525-M16
3232-P16

BTENN



2020-K16
2525-M16
3232-P16

BWLNR/L



2020-K16
2525-M16
3232-P16

BDJNR/L



2020-K15
2525-M15
3232-P15

BWLNR/L



2020-K06
2525-M06

BSDNN



2020-K11
2525-M11

BDJNR BDPNN



2020-K11
2525-M11

BVQNR BVVNN



2020-K16
2525-M16

New Clamp

Threading

SER/L



1212-F16
1616-H16
2020-K16
2525-M16
3232-P16

SER/L



2525-M22
2020-K22
3232-P22

SER/L



2525-M16-V
2020-K16-V

Screw on System

SCLCR/L SCKCR/L



1212-F06
1616-H06
2020-K06
2525-M06
1212-F09
1616-H09
2020-K09
2525-M09

SVQBR/L / SVJBR/L



1616-H07
2020-K07
2525-M07
2525-M11

SDJCR/L



1616-H07
2020-K07
2525-M07
2525-M11

SVVNN



1616-H12
2020-K12
2525-M12

SVQNR/L SVUNR/L



2020-K12
2525-M12

STFCR/L



2020-K11
2525-M11
2020-K16
2525-M16

SVUBR/L



1616-H11
2020-K16
2525-M16
2020-K11
2525-M11

SVJCR/L



2525-M11
2020-K11

Spl. Centre



2525 - 14mm
2525 - 16mm

Spl. Centre



2525 - 6.35, 8.00, 10.00,
12.00, 12.50, 14.00,
16.00 mm
2020 - 6.35, 8.00, 10.00,
12.00, 12.50, 14.00 mm,
16.00 mm

SCMCN



2525-M12

NEW
TIP CCMT 12

SSDCN



2525-M12

NEW
TIP SCMT 1204

Designation System of Internal Boring Bar

1. Type of Boring

S: Steel Shank

2. Bar Diameter

3. Tool Length

K	125	U	350
M	150	V	400
Q	180	W	450
R	200	Y	500
S	250	X	Special
T	300		

4. Clamping System

 P / Lever Lock
 C / Top Clamp
 S / Screw Clamp
 M / Multi Lock
 W / Wedge Clamp

S 25 T - P C L N R - 12 - C

1 2 3 4 5 6 7 8 9 10

5. Insert Shape

6. Approach Angle

7. Insert Clearance Angle

8. Hand of Tool

Right

Left

9. Cutting Edge Length

10. Manufacturer's Type

Unique to manufacturer

Screw on System

SCLCR/L



S08H SCLCR/L06
S10K SCLCR/L06
S12M SCLCR/L06,09
S16Q SCLCR/L09
S20Q SCLCR/L09
S25R SCLCR/L09
S32S SCLCR/L09
S40T SCLCR/L09
S50U SCLCR/L09

SCKCR/L



S08H SCKCR/L06
S10K SCKCR/L06
S12M SCKCR/L06,09
S16Q SCKCR/L09
S20 SCKCR/L09
S25R SCKCR/L09
S32S SCKCR/L09
S40T SCKCR/L09
S50U SCKCR/L09

SDXCR/L



S16Q SDXCR/L 07,11
S20Q SDXCR/L 11
S25R SDXCR/L 11

SDUCR/L SDQCR/L



S10K SDUCR/L07
S12M SDUCR/L07
S16Q SDUCR/L07
S16Q SDUCR/L11
S20Q SDUCR/L11
S25R SDUCR/L11
S32S SDUCR/L11
S40T SDUCR/L11

SDZCR/L



S10K SDZCR/L07
S12M SDZCR/L07
S16Q SDZCR/L07
S16Q SDZCR/L11
S20Q SDZCR/L11
S25R SDZCR/L11
S32S SDZCR/L11
S40T SDZCR/L11

SDWCR/L



S10K SDWCR/L07
S12M SDWCR/L07
S16Q SDWCR/L07
S16Q SDWCR/L11
S20Q SDWCR/L11
S25R SDWCR/L11
S32S SDWCR/L11
S40T SDWCR/L11

STFCR 45°



S12M STFCR/L11 45°
S16Q STFCR/L11 45°
S20Q STFCR/L11 45°

STUCR/ STFCR/L



S08H STFCR/L09
S10K STFCR/L09
S10K STFCR/L11
S12M STFCR/L11
S16Q STFCR/L11
S20Q STFCR/L11, 16
S25R STFCR/L11, 16
S32S STFCR/L11, 16
S40T STFCR/L 16

STWCR/L



S10K STWCR/L11
S12M STWCR/L11
S16Q STWCR/L11
S25R STWCR/L16
S20Q STWCR/L11,16
S32S STWCR/L11,16

SVXBR/L SVXCR/L SVJCR/L



S12/10 SVJCR/L08
S16Q SVXBR/L11
S20 SVXBR/L11
S25R SVXBR/L16
S32S SVXBR/L16
S12M SVJBR/L11
S16Q SVJBR/L11

SVQBR/L SVQCR/L SVJBR/L



S16Q SVQBR/L11
S20R SVQBR/L11
S25R SVQBR/L16
S32S SVQBR/L16
S16Q SVQCR/L11
S20R SVQCR/L11, 16
S25R SVQCR/L16
S32S SVQCR/L16
S12M SVJBR/L11
S16Q SVJBR/L11

SVZBR/L SVZCR/L



S16Q SVUBR/L11
S20R SVUBR/L16
S25R SVUBR/L16
S32S SVUBR/L16

SVWBR/L SVWCR/L



S16Q SVWBR/L11
S20Q SVWBR/L11
S25R SVWBR/L16
S32S SVWBR/L16
S16Q SVWCR/L11
S20Q SVWCR/L11
S25R SVWCR/L16
S32S SVWCR/L16

SVUNR/L



WIDIA 12

S16Q SVUNR/L12
S20Q SVUNR/L12
S25R SVUNR/L12
S32S SVUNR/L12
S16Q SVQNR/L12

SVQNR/L



WIDIA 12

S16Q SVQNR/L12
S20Q SVQNR/L12
S25Q SVQNR/L12
S32Q SVQNR/L12

Carbide Shank Boring Bar

SCLCR/L



C08H SCLCR/L06
C10K SCLCR/L06
C12M SCLCR/L06,09

C16Q SCLCR/L09
C20R SCLCR/L09
C25R SCLCR/L09

STUPR/L STFCR/L



C10K STUPR/L11
C12M STUPR/L11
C16Q STUPR/L11
C20R STUPR/L11
C10K STFCR/L09/11
C12M STFCR/L11
C16Q STFCR/L11
C20R STFCR/L11

SDQCR/L SDUCR/L SWUBR/L



C10K SWUBR/L0606
C10K SDQCR/L07
C12M SDQCR/L07
C16Q SDQCR/L11
C20R SDQCR/L11
C10K SDUCR/L07
C12M SDUCR/L07/11
C16Q SDUCR/L07/11

Boring Bar-Clamp System

A-Clamp System

ACLNR/L



S25R ACLNR/L12
S32S ACLNR/L12
S40T ACLNR/L12
S50U ACLNR/L12

ACKNR/L



S25R ACKNR/L12
S32S ACKNR/L12
S40T ACKNR/L12
S50U ACKNR/L12

AWLNR/L



S20Q AWLNR/L06
S25R AWLNR/L06
S20Q AWLNR/L08
S25R AWLNR/L08
S32S AWLNR/L08
S40T AWLNR/L08
S50U AWLNR/L08

B-Clamp System

BWLNR/L



S20Q BWLNR/L08
S25R BWLNR/L08
S32S BWLNR/L08
S40T BWLNR/L08

BWLNR/L



S20Q BWLNR/L06
S25R BWLNR/L06
S32S BWLNR/L06
S40T BWLNR/L06

BTUNR/L



S25R BTUNR/L 16
S23S BTUNR/L 16
S40T BTUNR/L 16

BT-NR/L



S25R BT-NR/L16
S32S BT-NR/L16
S40T BT-NR/L16

BTQNR/L



S20R BTQNR/L16

BTQNR/L



S25R BTQNR/L 16
S23S BTQNR/L 16
S40T BTQNR/L 16

M-Clamp Multi Lock System

MCLNR/L MCKNR/L



S16Q MCLNR/L09
S20R MCLNR/L12
S25R MCLNR/L12
S32S MCLNR/L12
S40T MCLNR/L12
S20R MCKNR/L12
S25R MCKNR/L12
S32S MCKNR/L12
S40T MCKNR/L12,16

MTFNR/L (MTUNR/L)



S20R MTFNR/L16
S25R MTFNR/L16
S32S MTFNR/L16
S40T MTFNR/L16
S40T MTUNR/L 16

MTQNR/L



S20R MTQNR/L16
S25R MTQNR/L16
S32S MTQNR/L16
S40T MTQNR/L16

MWLNR/L



S16Q MWLNR/L06
S20R MWLNR/L06
S25R MWLNR/L06
S20Q MWLNR/L08
S25R MWLNR/L08
S32S MWLNR/L08
S40T MWLNR/L08

MOVNR/L MVQNR/L



S25R MVQNR/L16
S32S MVQNR/L16
S40T MVQNR/L16
S50U MVQNR/L16
S25R MOVNR/L16
S32S MOVNR/L16

MTFNR/L (MTUNR/L)



S25R MVVNR/L16
S32S MVVNR/L16
S25R MVUNR/L16
S32S MVUNR/L16
S40T MVUNR/L16
S50U MVUNR/L16

MDUNR/L MDZNR/L



S25R MDUNR/L11
S32S MDUNR/L15
S40T MDUNR/L15
S25R MDZNR/L11
S32S MDZNR/L15
S40T MDZNR/L15

MDQNR/L



S25R MDQNR/L11
S32S MDQNR/L15
S40T MDQNR/L15

MV-NR/L



S20Q MV-NR-L16
S25R MV-NR-L16
S32S MV-NR-L16
S40T MV-NR-L16

Threading & Boring Bars

Threading

SINR/L



SINR/L 005-K06 - 15
SINR/L 005-K06 - 18
SINR/L 005-K06 - 21

SINR/L



SINR/L 007-K08 - 15
SINR/L 007-K08 - 18
SINR/L 007-K08 - 21
SINR/L 007-K08 - 25

SINR/L



SINR/L 010-K11-21
SINR/L 010-K11-25
SINR/L 010-K11-35

SINR/L



SINR/L 012-K11 - 16
SINR/L 012-K11 - 21
SINR/L 012-K11 - 35

SINR/L



SINR/L 0013-Q16-35

SINR/L



SINR/L 0016-M16
SINR/L 0020-R16
SINR/L 0025-R16

SINR/L



SINR/L 0040-T16
SINR/L 0050-U16

SINR/L



SINR/L 0032-S27
SINR/L 0040-T27
SINR/L 0025-R22
SINR/L 0032-S22
SINR/L 0040-T22

SINR/L



S10K SINR
L 0010K11

Special Boring Bar

STFNR/L 1304



S16/15Q
STFNR/L 1304 - 50

STFNR/L 1304



S16Q STFNR/L 1304
S20R STFNR/L 1304

STWNR/L



S16Q STWNR/L -16
S20R STWNR/L -16
S25R STWNR/L -16

STQNR/L



S20R STQNR 16
S25R STQNR 16

STFNR/L 1604



S20R STFNR/L 1604
S25R STFNR/L 1604

SWLNR/L



S16Q SWLNR/L 06
S20R SWLNR/L 06

MCLNR/L



S50U MCLNR/L 19

SCLCR/L



S16Q SCLCR/L 0703

SWLNR/L 04-03



S16Q SWLNR/L 04-03

Spl. Boring Bars

S10K SCLCR/L 03-05 10

S10K SCLCR/L 03-05 15


S10K SCLCR/L-03-05, 10
S10K SCLCR/L-03-05, 15

S10K SCLCR/L 03-05 18/21

S10K SCLCR/L 03-05 25


S10K SCLCR/L-03-05, 25

S16/8K SCLCR/L-06 15

S16/8K SCLCR/L -06 18


S16/8K SCLCR-06-15
S16/8K SCLCR-06-18

S16/8K SCLCR/L-06 21,25

S16/8K SCLCR/L-06 35, 45


S16/8K SCLCR-06-21
S16/8K SCLCR-06-25
S16/8K SCLCR-06-35
S16/8K SCLCR-06-42

S16/10K SCLCR/L -06 18

S16/12K SCLCR/L-06 21


S16/10K SCLCR-06 18,21,25,35,42,50
S16/12K SCLCR-06 18,21,25,35,42,50

S16/14K SCLCR/L-09 25

S16/17K SCLCR/L-09 50


S16/14K SCLCR-09 25, 35, 50
S16/17K SCLCR-09 50
S16/17K SCLCR-06 50

Spl. Boring Bars WBMT

S10K SWUBR 06-06 -15

S10K SWUBR 06-06 -18


S10H SWUBR-06-06, 10,15,18,21,25,30
S10H SWUBR-06-06, 10,15,18,21,25,30

S10K SWUBR 06-07 -15

S10K SWUBR 06-07 -25


S10H SWUBR-06-07, 15,18,21,25,30

S10H SWUBR-06-07, 15,18,21,25,30

NEW DESIGN

OLD DESIGN

BTA INSERTS



Drill Head



BTA Drill Head : 25mm-65mm

DRILL DIA	CENTER BLADE	QTY	MIDDLE BLADE	QTY	PERIMETER BLADE	QTY	GUIDE KEY	QTY
25mm-28.5mm	800-05 03 08M-C-G	1	800-05 03 08M-I-G	1	800-06 03 08H-P-G	1	800-06A	2
28.6-31.99mm	800-06 T3 08M-C-G	1	800-05 03 08M-I-G	1	800-06 03 08H-P-G	1	800-06A	2
32-33.99mm	800-06 T3 08M-C-G	1	800-06 T3 08M-I-G	1	800-08 T3 08H-P-G	1	800-07A	2
34-35mm	800-08 T3 08M-C-G	1	800-06 T3 08M-I-G	1	800-08 T3 08H-P-G	1	800-07A	2
35.1-38.99mm	800-08 T3 08M-C-G	1	800-08 T3 08M-I-G	1	800-08 T3 08H-P-G	1	800-07A	2
39-43mm	800-08 T3 08M-C-G	1	800-08 T3 08M-I-G	1	800-09 T3 08H-P-G	1	800-08A	2
44-47mm	800-10 T3 08M-C-G	1	800-08 T3 08M-I-G	1	800-09 T3 08H-P-G	1	800-08A	2
48-52mm	800-10 T3 08M-C-G	1	800-08 T3 08M-I-G	1	800-11 T3 08H-P-G	1	800-10A	2
53-56mm	800-10 T3 08M-C-G	1	800-12 T3 08M-I-G	1	800-11 T3 08H-P-G	1	800-10A	2
57-59mm	800-10 T3 08M-C-G	1	800-12 T3 08M-I-G	1	800-11 T3 08H-P-G	1	800-12A	2
60-65mm	800-12 T3 08M-C-G	1	800-12 T3 08M-I-G	1	800-11 T3 08H-P-G	1	800-12A	2



BTA Drill Head : 65mm-110mm

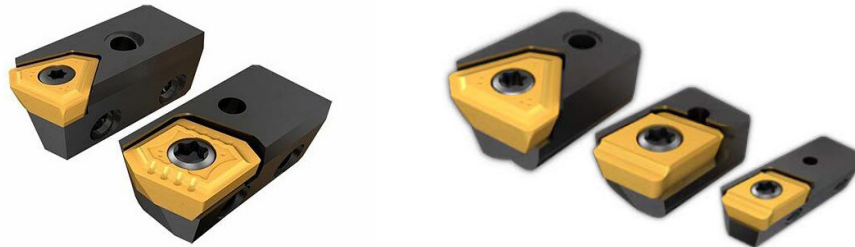
DRILL DIA	CENTER BLADE	QTY	CENTER TOOL HOLDER	QTY	MIDDLE BLADE	QTY	MID. TOOL HOLDER	QTY	OUTER BLADE	QTY	EXT. TOOL HOLDER	QTY	NAV KEY DISPLAY	QTY
66-67	1704RG	1	1704TX	1	1704RG	1	1704TJ	1	2405RG	1	2405TW	1	14*6*55	3
68-77	2405RG	1	2405TX	1	2405RG	1	2405TJ	1	1704RG	1	1704TW	1	14*6*55	3
78-84	2405RG	1	2405TX	1	2405RG	1	2405TJ	1	2405RG	1	2405TW	1	14*7*55	3
85-91	2405RG	1	2405TX	1	2405RG	1	2405TJ	1	2807RG	1	2807TW	1	14*7*55	3
92-98	2807RG	1	2807TX	1	2807RG	1	2807TJ	1	2405RG	1	2405TW	1	14*7*55	3
99-106	2807RG	1	2807TX	1	2807RG	1	2807TJ	1	2807RG	1	2807TW	1	18*9*58	5
107-117	2405RG	1	2405TX	1	1704RG	1	1704TJ	1	2405RG	1	2405TW	1	18*9*58	5
118-150	2405RG	1	2405TX	1	2405RG	1	2405TJ	1	2405RG	1	2405TW	1	18*9*58	5

Inserts Details



BTA 25mm-65mm

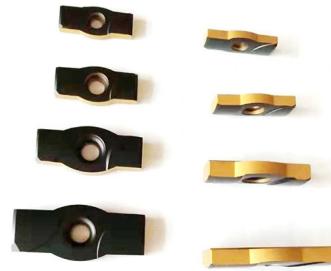
DRILL DIA	CENTER BLADE	QTY	MIDDLE BLADE	QTY	PERIMETER BLADE
25mm-28.5mm	800-05 03 08M-C-G	1	800-05 03 08M-I-G	1	800-06 03 08H-P-G
28.6-31.99mm	800-06 T3 08M-C-G	1	800-05 03 08M-I-G	1	800-06 03 08H-P-G
32-33.99mm	800-06 T3 08M-C-G	1	800-06 T3 08M-I-G	1	800-08 T3 08H-P-G
34-35mm	800-08 T3 08M-C-G	1	800-06 T3 08M-I-G	1	800-08 T3 08H-P-G
35.1-38.99mm	800-08 T3 08M-C-G	1	800-08 T3 08M-I-G	1	800-08 T3 08H-P-G
39-43mm	800-08 T3 08M-C-G	1	800-08 T3 08M-I-G	1	800-09 T3 08H-P-G
44-47mm	800-10 T3 08M-C-G	1	800-08 T3 08M-I-G	1	800-09 T3 08H-P-G
48-52mm	800-10 T3 08M-C-G	1	800-08 T3 08M-I-G	1	800-11 T3 08H-P-G
53-56mm	800-10 T3 08M-C-G	1	800-12 T3 08M-I-G	1	800-11 T3 08H-P-G
57-59mm	800-10 T3 08M-C-G	1	800-12 T3 08M-I-G	1	800-11 T3 08H-P-G
60-65mm	800-12 T3 08M-C-G	1	800-12 T3 08M-I-G	1	800-11 T3 08H-P-G



BTA 65mm-150mm

DRILL DIA	CENTER BLADE	QTY	CENTER TOOL HOLDER	QTY	MIDDLE BLADE	QTY	MID.TOOL HOLDER	QTY	OUTER BLADE	QTY
66-67	1704RG	1	1704TX	1	1704RG	1	1704TJ	1	2405RG	1
68-77	2405RG	1	2405TX	1	2405RG	1	2405TJ	1	1704RG	1
78-84	2405RG	1	2405TX	1	2405RG	1	2405TJ	1	2405RG	1
85-91	2405RG	1	2405TX	1	2405RG	1	2405TJ	1	2807RG	1
92-98	2807RG	1	2807TX	1	2807RG	1	2807TJ	1	2405RG	1
99-106	2807RG	1	2807TX	1	2807RG	1	2807TJ	1	2807RG	1
107-117	2405RG	1	2405TX	1	1704RG	1	1704TJ	1	2405RG	1
118-150	2405RG	1	2405TX	1	2405RG	1	2405TJ	1	2405RG	1

Guide Pads



25mm-65mm		
DRILLING DIA	GUIDE KEY	QTY
25mm-28.5mm	800-06A	2
28.6-31.99mm	800-06A	2
32-33.99mm	800-07A	2
34-35mm	800-07A	2
35.1-38.99mm	800-07A	2
39-43mm	800-08A	2
44-47mm	800-08A	2
48-52mm	800-10A	2
53-56mm	800-10A	2
57-59mm	800-12A	2
60-65mm	800-12A	2

65mm-150mm		
DRILLING DIA	GUIDE KEY	QTY
66-67	14*6*55	3
68-77	14*6*55	3
78-84	14*7*55	3
85-91	14*7*55	3
92-98	14*7*55	3
99-106	18*9*58	5
107-117	18*9*58	5
118-150	18*9*58	5

Boring Heads

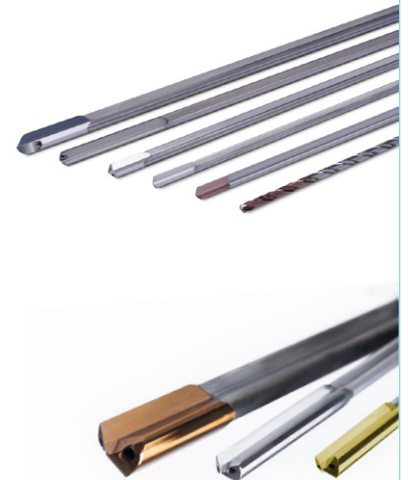


DEEP HOLE BORING HEAD	
NAME	SPECIFICATION
Deep hole boring head	38mm
	40mm
	56mm
	86mm
	95mm
	110mm
	180mm

PNEUMATIC ROLLER SCRAPER		
NAME	SIZE	
Pneumatic Roller Scraper	63	125
	70	140
	80	180
	90	200
	100	220
	120	

Deep Hole Gun Drill

DEEP HOLE GUN DRILL					
DIAMETER	LENGTH 1	LENGTH 1	DIAMETER	LENGTH 1	LENGTH 1
3.02	0-1650mm	1651-2200mm	18.52	0-1650mm	1651-2200mm
4.02	0-1650mm	1651-2200mm	19.02	0-1650mm	1651-2200mm
5.02	0-1650mm	1651-2200mm	19.52	0-1650mm	1651-2200mm
5.52	0-1650mm	1651-2200mm	20.02	0-1650mm	1651-2200mm
6.02	0-1650mm	1651-2200mm	20.52	0-1650mm	1651-2200mm
6.37	0-1650mm	1651-2200mm	21.02	0-1650mm	1651-2200mm
6.52	0-1650mm	1651-2200mm	21.52	0-1650mm	1651-2200mm
7.02	0-1650mm	1651-2200mm	22.02	0-1650mm	1651-2200mm
7.52	0-1650mm	1651-2200mm	23.02	0-1650mm	1651-2200mm
8.02	0-1650mm	1651-2200mm	24.02	0-1650mm	1651-2200mm
8.52	0-1650mm	1651-2200mm	25.02	0-1650mm	1651-2200mm
9.02	0-1650mm	1651-2200mm	26.02	0-1650mm	1651-2200mm
9.52	0-1650mm	1651-2200mm	27.02	0-1650mm	1651-2200mm
10.02	0-1650mm	1651-2200mm	28.02	0-1650mm	1651-2200mm
10.52	0-1650mm	1651-2200mm	29.02	0-1650mm	1651-2200mm
11.02	0-1650mm	1651-2200mm	30.02	0-1650mm	1651-2200mm
11.13	0-1650mm	1651-2200mm	31.02	0-1650mm	1651-2200mm



DEEP HOLE GUN DRILL					
DIA	LENGTH 1	LENGTH 1	DIA	LENGTH 1	LENGTH 1
11.52	0-1650mm	1651-2200mm	32.02	0-1650mm	1651-2200mm
12.02	0-1650mm	1651-2200mm	33.02	0-1650mm	1651-2200mm
12.52	0-1650mm	1651-2200mm	34.02	0-1650mm	1651-2200mm
13.02	0-1650mm	1651-2200mm	35.02	0-1650mm	1651-2200mm
13.52	0-1650mm	1651-2200mm	36.02	0-1650mm	1651-2200mm
14.02	0-1650mm	1651-2200mm	37.02	0-1650mm	1651-2200mm
14.3	0-1650mm	1651-2200mm	38.02	0-1650mm	1651-2200mm
14.52	0-1650mm	1651-2200mm	39.02	0-1650mm	1651-2200mm
15.02	0-1650mm	1651-2200mm	40.02	0-1650mm	1651-2200mm
15.52	0-1650mm	1651-2200mm	41.02	0-1650mm	1651-2200mm
16.02	0-1650mm	1651-2200mm	42.02	0-1650mm	1651-2200mm
16.52	0-1650mm	1651-2200mm	43.02	0-1650mm	1651-2200mm
17.02	0-1650mm	1651-2200mm	44.02	0-1650mm	1651-2200mm
17.52	0-1650mm	1651-2200mm	45.02	0-1650mm	1651-2200mm

DRILLING	
DRILLING DIAMETER RANGE	
14.02-14.99mm	22.02-22.99mm
15.02-15.99mm	23.02-23.99mm
16.02-16.99mm	24.02-24.99mm
17.02-17.99mm	25.02-25.99mm
18.02-18.99mm	26.02-26.99mm
19.02-19.99mm	27.02-27.99mm
20.02-20.99mm	28.02-28.99mm
21.02-21.99mm	

Brazed Head

DEEP HOLE PIPE PLATE DRILL

MODEL	DIAMETER	L	D3	D5	L1
GB6-Dxx.xx SK	15.60-16.20	43	10.8	12.6	20
GB6-Dxx.xx SK	16.21-16.70	43	10.8	12.6	20
GB6-Dxx.xx SK	16.71-17.20	43	10.8	12.6	20
GB6-Dxx.xx SK	17.21-17.70	43	11.8	13.6	20
GB6-Dxx.xx SK	17.71-18.40	47	12.5	14.5	21.5
GB6-Dxx.xx SK	18.41-18.90	47	12.5	14.5	21.5
GB6-Dxx.xx SK	18.91-19.20	47	13.5	15.5	21.5
GB6-Dxx.xx SK	19.21-20.00	47	13.5	15.5	21.5
GB6-Dxx.xx SK	20.01-20.90	52.5	14	16	21.5
GB6-Dxx.xx SK	20.91-21.80	52.5	14	16	21.5
GB6-Dxx.xx SK	21.81-22.90	56	16	18	21.5
GB6-Dxx.xx SK	22.91-24.10	56	16	18	21.5
GB6-Dxx.xx SK	24.11-25.20	57	17.7	19.5	21.5
GB6-Dxx.xx SK	25.211-26.40	57.5	17.5	19.5	21.5

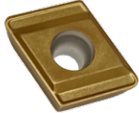


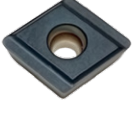
DEEP HOLE NESTING DRILL BIT

NAME	DIAMETER RANGE	F
Deep Hole Nesting Drill Bit	105	74*12 double head
	120	89*12 double head
	130	94*12 double head
	140	109*12 double head
	150	119*12 double head
	160	128*12 double head
	180	148.5*12 double head
	205	173*12 double head
	225	185*12 double head
	235	195*12 double head
	250	210*12 double head
	280	240*12 double head
	300	260*12 double head
	325	285*12 double head

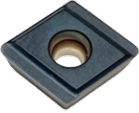


BTA Inserts

INSERTS	DESIGNATION	UT925	UT927	UT929
	800-050308-MCG/L	•	•	
	800-06T308-MCG/L	•	•	
	800-08T308-MCG/L	•	•	
	800-10T308-MCG/L	•	•	
	800-12T308-MCG/L	•	•	
	800-050308-MIG/L	•	•	
	800-06T308-MIG/L	•	•	
	800-08T308-MIG/L	•	•	
	800-12T308-MIG/L	•	•	
	800-060308-HPG/L	•	•	
	800-08T308-HPG/L	•	•	
	800-09T308-HPG/L	•	•	
	800-11T308-HPG	•	•	
	800-06A			•
	800-07A			•
	800-08A			•
	800-10A			•
	800-12A			•
	800-14D			•
	800-16D			•
	800-18D			•
	800-18D085			•
	800-20D			•
	800-24D			•
	800-26D			•

INSERTS	DESIGNATION	UT925	UT927	UT929
	GP05			•
	GP06-075			•
	GP06-085			•
	GP06-100			•
	GP06-120			•
	GP07			•
	GP08			•
	GP10			•
	GP12			•
	GP12-35-250			•
	GP14			•
	GP18			•
	LOGT060204-R	•	•	
	NPHT06003-RG	•	•	
	NPHT07504-RG	•	•	
	NPHT09004-RG	•	•	
	NPHT11004-RG	•	•	
	NPHT11004-RG	•	•	
	NPHT13004-RG	•	•	
	NPMT05503-LG	•	•	
	NPMT05503-RG	•	•	
	NPMT06504-LG	•	•	
	NPMT06504-RG	•	•	
	NPMT08004-LG	•	•	
	NPMT08004-RG	•	•	

BTA Inserts

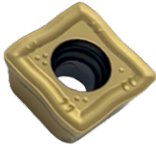
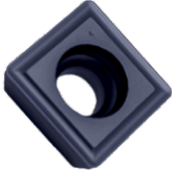
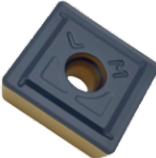
INSERTS	DESIGNATION	UT925	UT927	UT929
	NPMT09504-LG	•	•	
	NPMT09504-LG	•	•	
	NPMT09504-RG	•	•	
	NPMT09504-RG	•	•	
	NPMT12504-LG	•	•	
	NPMT12504-RG	•	•	
	R420.37-11T3	•	•	
	R424.9-13T308-22	•	•	
	R424.9-13T308-23	•	•	
	R424.9-180608-22	•	•	
	R424.9-180608-23	•	•	
	TOGT070304-R	•	•	
	TOGT130408-R	•	•	
	TOMT080305-R	•	•	
	TOMT090305-R	•	•	
	TOMT100305-R	•	•	
	TOMT110405-R	•	•	
	TOMT120405-R	•	•	
	TPMT16T312R-22	•	•	
	TPMT16T312R-23	•	•	
	TPMT220612TR-22	•	•	
	TPMT220612TR-23	•	•	

INSERTS	DESIGNATION	UT925	UT927	UT929
	TPMX1403-LG	•	•	
	TPMX1403-RG	•	•	
	TPMX1704-LG	•	•	
	TPMX1704-RG	•	•	
	TPMX1704-RG	•	•	
	TPMX2405-RG	•	•	
	TPMX28-RG	•	•	
	TPMX2807-RG	•	•	
	TXN160408-L	•	•	
	TXN250408-G	•	•	
	TXN250408-L	•	•	
	TXN400708-A	•	•	

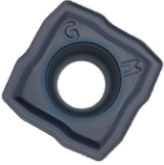
DRILLING INSERTS



DRILLING

INSERTS	DESIGNATION	UT921	UT923	UT925	UT927	UN07
	SOMT 050204 DP				•	
	SOMT 060204 DP				•	
	SOMT 070308 DP				•	
	SOMT 08T306 DP				•	
	SOMT 09T308 DP				•	
	SOMT 11T308 DP				•	
	SOMT 130408 DP				•	
	SOMT 150510 DP				•	
	SPMG 050204		•	•		•
	SPMG 060204		•	•		•
	SPMG 07T308		•	•		•
	SPMG 090408		•	•		•
	SPMG 110408		•	•		•
	SPMG 140512		•	•		•
	WCMT 030208		•	•		•
	WCMT 040208		•	•		•
	WCMT 050308		•	•		•
	WCMT 06T308		•	•		•
	WCMT 080412		•	•		•
	880-0202W05H-P-LM	•				
	880-0303W06H-P-GM	•				
	880-0403W07H-P-GM	•				
	880-0503W08H-P-GM	•				
	880-0604W10H-P-GM	•				
	880-0704W10H-P-GM	•				
	880-0805W10H-P-LM	•				
	880-0906W10H-P-LM	•				

DRILLING

INSERTS	DESIGNATION	UT921	UT923	UT925	UT927	UN07
	880-020204H-C-LM		•			
	880-030305H-C-LM		•			
	880-040305H-C-GM		•			
	880-050305H-C-GM		•			
	880-060406H-C-GM		•			
	880-070406H-C-GM		•			
	880-080508H-C-LM		•			
	880-090608H-C-LM		•			

Note :

For SPMG Inserts Drill Dia 13 - 60 L/D-2, L/D-3, L/D-4, L/D-5, in 0.5 dia difference.

For WCMT Inserts Drill Dia 13 - 60 L/D-2, L/D-3, L/D-4, L/D-5, in 0.5 dia difference.



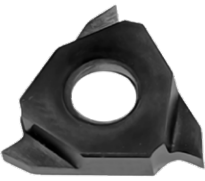
GROOVING INSERTS



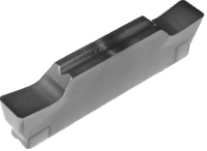
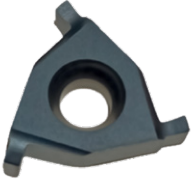
GROOVING

INSERTS	DESIGNATION	UT921	UT923	UT925	UT927	UN07
	PENTA24N100			•		
	PENTA24N150			•		
	PENTA24N145			•		
	PENTA24N178			•		
	PENTA24N200			•		
	TDC 2		•	•	•	
	TDC 3		•	•	•	
	TDC 4		•	•	•	
	TDJ 2		•	•	•	
	TDJ 4		•	•	•	
	TDJ3		•	•	•	
	VNBR 0311-01S		•	•		
	VNBR 0311-02S		•	•		
	VNBR 0420-02S		•	•		
	MGMN 150-G		•	•		•
	MGMN 200-G		•	•		•
	MGMN 250-M		•	•		•
	MGMN 200-M		•	•		•
	MGMN 300-G		•	•		•
	MGMN 300-M		•	•		•
	MGMN 400-M		•	•		•
	MGMN 500-M		•	•		•
	MGMN 600-M		•	•		•
	MRMN 200-M		•	•		
	MRMN 300-M		•	•		
	MRMN 400-M		•	•		
	MRMN 500-M		•	•		
	MRMN 600-M		•	•		

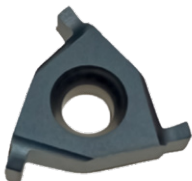
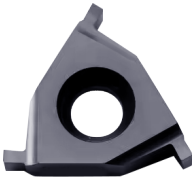
GROOVING

INSERTS	DESIGNATION	UT921	UT923	UT925	UT927	UN07
	TGF 32L 075		•	•		•
	TGF 32L 090		•	•		•
	TGF 32L 100		•	•		•
	TGF 32L 125		•	•		•
	TGF 32L 145		•	•		•
	TGF 32L 150		•	•		•
	TGF 32L 200		•	•		•
	TGF 32L 250		•	•		•
	TGF 32R 075		•	•		•
	TGF 32R 090		•	•		•
	TGF 32R 100		•	•		•
	TGF 32R 125		•	•		•
	TGF 32R 145		•	•		•
	TGF 32R 150		•	•		•
	TGF 32R 200		•	•		•
	TGF 32R 250		•	•		•
	GTS 1		•			
	GTS 1.1		•			
	GTS 1.2		•			
	GTS 1.3		•			
	GTS 1.4		•			
	GTS 1.5		•			
	GTS 1.6		•			
	GTS 1.7		•			
	GTS 1.8		•			
	GTS 1.9		•			
	GTS 2		•			
	GTS 2.1		•			
	GTS 2.2		•			
	GTS 2.3		•			

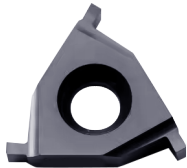
GROOVING

INSERTS	DESIGNATION	UT921	UT923	UT925	UT927	UN07
	GTS 2.4		•			
	GTS 2.5		•			
	GTS 2.6		•			
	GTS 2.7		•			
	GTS 2.8		•			
	GTS 2.9		•			
	GTS 3		•			
	GTS 3.1		•			
	GTS 3.2		•			
	GTS 3.3		•			
	GTS 3.4		•			
	GTS 3.5		•			
	GTS 3.6		•			
	GTS 3.7		•			
	GTS 3.8		•			
	GTS 3.9		•			
	16ER/IL 0.5		•	•		
	16ER/IL 0.8		•	•		
	16ER/IL 0.9		•	•		
	16ER/IL 1		•	•		
	16ER/IL 1.1		•	•		
	16ER/IL 1.15		•	•		
	16ER/IL 1.2		•	•		
	16ER/IL 1.25		•	•		
	16ER/IL 1.3		•	•		
	16ER/IL 1.35		•	•		
	16ER/IL 1.4		•	•		
	16ER/IL 1.45		•	•		
	16ER/IL 1.5		•	•		
	16ER/IL 1.55		•	•		

GROOVING

INSERTS	DESIGNATION	UT921	UT923	UT925	UT927	UN07
	16ER/IL 1.6		•	•		
	16ER/IL 1.65		•	•		
	16ER/IL 1.7		•	•		
	16ER/IL 1.75		•	•		
	16ER/IL 1.8		•	•		
	16ER/IL 1.85		•	•		
	16ER/IL 1.9		•	•		
	16ER/IL 1.95		•	•		
	16ER/IL 2		•	•		
	16ER/IL 2.05		•	•		
	16ER/IL 2.1		•	•		
	16ER/IL 2.15		•	•		
	16ER/IL 2.2		•	•		
	16ER/IL 2.25		•	•		
	16IR/EL 0.5		•	•		
	16IR/EL 0.8		•	•		
	16IR/EL 0.9		•	•		
	16IR/EL 1		•	•		
	16IR/EL 1.1		•	•		
	16IR/EL 1.15		•	•		
	16IR/EL 1.2		•	•		
	16IR/EL 1.25		•	•		
	16IR/EL 1.3		•	•		
	16IR/EL 1.35		•	•		
	16IR/EL 1.4		•	•		
	16IR/EL 1.45		•	•		
	16IR/EL 1.5		•	•		
	16IR/EL 1.55		•	•		
	16IR/EL 1.6		•	•		
	16IR/EL 1.65		•	•		

GROOVING

INSERTS	DESIGNATION	UT921	UT923	UT925	UT927	UN07
	16IR/EL 1.7		•	•		
	16IR/EL 1.75		•	•		
	16IR/EL 1.8		•	•		
	16IR/EL 1.85		•	•		
	16IR/EL 1.9		•	•		
	16IR/EL 1.95		•	•		
	16IR/EL 2		•	•		
	16IR/EL 2.05		•	•		
	16IR/EL 2.1		•	•		
	16IR/EL 2.15		•	•		
	16IR/EL 2.2		•	•		
	16IR/EL 2.25		•	•		

The title "MILLING INSERTS" in a bold, sans-serif font. "MILLING" is in white and "INSERTS" is in orange. A blue and orange diagonal line graphic is to the left of the text.

MILLING INDEX

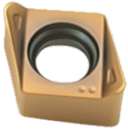
S.NO.	DESIGNATION	CUTTER PAGE NO.
1.	3PKT060304	82
2.	3PKT100408	82
3.	3PKT150408	82
4.	3PKT190608	82
5.	4NKT060308	49
6.	4NKT060310	49
7.	4NKT090408	50
8.	4NKT110608	51
9.	6NGU 060408	82
10.	6NGU 090508	82
11.	APKT 09T308	52
12.	APKT 170508	82
13.	APKT 170516	82
14.	APKT 170524	82
15.	APKT 170530	82
16.	APMT 1135	53
17.	APMT 1604	59
18.	APMT 1604	82
19.	APMT 160404	82
20.	APMT 160416	82
21.	APMT 160420	82
22.	APMT 160424	82
23.	APMT 160430	82
24.	APMT 160432	82
25.	APMT 160440	82
26.	AXMT 123508	82
27.	AXMT 170508	82
28.	BDMT 11T308	82
29.	BDMT 11T316	82
30.	BLMP0603	63

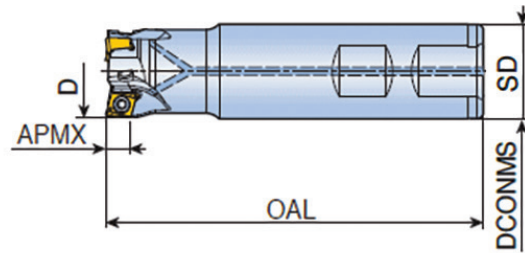
S.NO.	DESIGNATION	CUTTER PAGE NO.
31.	BLMP0903	63
32.	ENMU 100412	83
33.	EPNW 0603	64
34.	JDMT 070204	67
35.	JDMT 070208	67
36.	JDMT 1003	68
37.	JDMT 150508	70
38.	JDMW 120420	71
39.	JDMW 140520	83
40.	LNGU 15T306	83
41.	LNMU 0202	72
42.	LNMU 0303	73
43.	LOGU 030310	75
44.	LPGT 010210	76
45.	MPHT 060304	83
46.	MPHT 080305	83
47.	MPHT 120408	83
48.	MPHW 060308	83
49.	ONHU 060408	83
50.	ONHU 080608	83
51.	PNCU 0905	83
52.	PNMU 0905	84
53.	RDMT 1204	77
54.	SDMT 09T312	78
55.	SDMT 120412	78
56.	SDMT 120512	78
57.	SDMT 150512	84
58.	SEKT 1205	84
59.	SEMT 13T3	84
60.	SNMU 130508	84

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DESIGNATION		PAGE NO.
61.	SNMX 1205	79
62.	SNMX 1206	80
63.	SNMX 1206	84
64.	SOMT 100420	84
65.	SOMT 140520	84
66.	WDMW 080520	81
67.	WNMU 040308	84
68.	WNMU 060408	84
69.	WNMU 080608	84
70.	WNMX 060312	84
71.	WNMX 09T316	84
72.	YPHW 100308	84

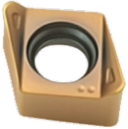
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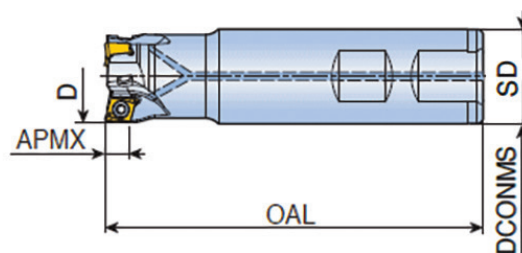
INSERTS	DESIGNATION	CHIP BREAKER	UT925	UT927	UT923	UT921
	4NKT060308	R		•		
	4NKT060310	R		•		



DESCRIPTION	SHANK DIA (SD)	BLADE DIA (D)	NO. OF FLUTE	INSERT	APMX	SCREW	ALLENKEY	OAL
								
4NKT06R-C16-16-150-2T	16	16	2	4NKT060308	06	M2.5*6	T8	150
4NKT06R-C16-16-200-2T		06			200			
4NKT06R-C16-17-150-2T		17			06			150
4NKT06R-C16-17-200-2T					06			200
4NKT06R-C16-18-150-3T	18	3	06		150			
4NKT06R-C20-20-150-3T	20		20		06			150
4NKT06R-C20-20-200-3T			06		200			
4NKT06R-C20-21-150-3T			21		06			150
4NKT06R-C20-21-200-3T	06	200						
4NKT06R-C25-25-150-4T	25	25	4		06			150
4NKT06R-C25-25-200-4T		26			06			200
4NKT06R-C25-26-150-4T					06			150
4NKT06R-C25-26-200-4T		06			200			
4NKT06R-C32-32-150-5T	32	32	5		06			150
4NKT06R-C32-32-200-5T		33			06			200
4NKT06R-C32-33-150-5T					06			150
4NKT06R-C32-33-200-5T					06			200
4NKT06R-C32-35-150-5T		35			06			150
4NKT06R-C32-35-200-5T	200							

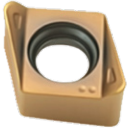
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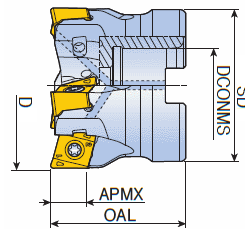
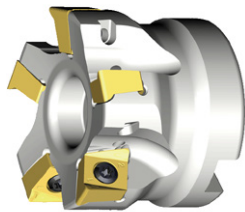
INSERTS	DESIGNATION	CHIP BREAKER	UT925	UT927	UT923	UT921
	4NKT090408	R-M		•		



DESCRIPTION	SHANK DIA (SD)	BLADE DIA (D)	NO. OF FLUTE	INSERT	APMX	SCREW	ALLENKEY	OAL	
									
4NKT09R-C19-20-150-2T	19	20	2	4NKT 090408R-M	09	M4.0*9	T15	150	
4NKT09R-C19-20-200-2T					09			200	
4NKT09R-C20-20-150-2T	20	21			09			150	
4NKT09R-C20-20-200-2T					09			200	
4NKT09R-C20-21-150-2T					09			150	
4NKT09R-C20-21-200-2T					09			200	
4NKT09R-C24-25-150-2T	24	25			09			150	
4NKT09R-C24-25-200-2T					09			200	
4NKT09R-C25-25-150-2T	25		26		09			150	
4NKT09R-C25-25-200-2T					09			200	
4NKT09R-C25-26-150-2T		30	3		09			150	
4NKT09R-C25-26-200-2T					09			200	
4NKT09R-C25-30-150-3T		32	32		4			09	150
4NKT09R-C25-30-200-3T								09	200
4NKT09R-C32-32-150-4T	09							150	
4NKT09R-C32-32-200-4T	09							200	
4NKT09R-C32-32-250-4T	09		250						
4NKT09R-C32-35-150-4T	35		35		09			150	
4NKT09R-C32-35-200-4T		09			200				
4NKT09R-C32-35-250-4T		09			250				
4NKT09R-50-22-6T	50	22	6		09			-	
4NKT09R-63-22-7T	63		7		09			-	

MILLING INSERTS

INSERTS	DESIGNATION	CHIP BREAKER	UT925	UT927	UT923	UT921
	4NKT110608	R-M				



DESCRIPTION	SHANK DIA (SD)	BLADE DIA (D)	NO. OF FLUTE	INSERT	APMX	SCREW	ALLENKEY	OAL		
										
4NKT11R-C25-25-150-2T	25	25	2	4NKT110608	10.5	M4*10	T15	150		
4NKT11R-C25-25-200-2T					10.5			200		
4NKT11R-C25-26-150-2T		26			10.5			150		
4NKT11R-C25-26-200-2T					10.5			200		
4NKT11R-C32-32-150-3T	32	32	3		10.5			M4*10	T15	150
4NKT11R-C32-32-200-3T					10.5					200
4NKT11R-C32-33-150-3T		33			10.5					150
4NKT11R-C32-33-200-3T					10.5					200
4NKT11R-C32-35-150-3T		35			10.5					150
4NKT11R-C32-35-200-3T					10.5					200
4NKT11R-C32-40-150-3T		40			10.5					150
4NKT11R-C32-40-200-3T					10.5					200

MILLING INSERTS

INSERTS	DESIGNATION	CHIP BREAKER	UT925	UT927	UT923	UT921
	APKT 09T308	R-EM				

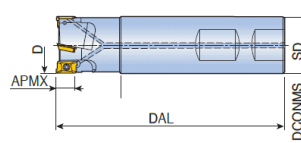


Fig.1

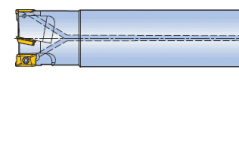
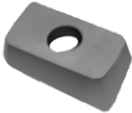
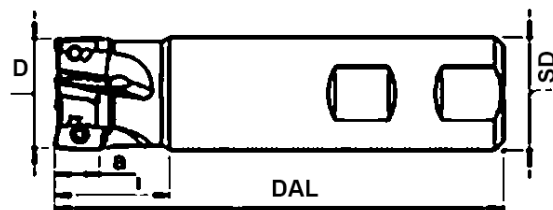


Fig.2

DESCRIPTION	SHANK DIA (SD)	BLADE DIA (D)	NO. OF FLUTE	INSERT	APMX	SCREW	ALLENKEY	OAL
								
APKT09-C10-10-100L-30L1-1T	10	10	1	APKT09T3	09	M2.5*6	T8	100
APKT09-C12-12-100L-30L1-1T	12	12			09			
APKT09-C12-14-100L-25L1-1T		14			09			
APKT09-C16-16-150L-30L1-2T	16	16	2		09			150
APKT09-C16-17-180L-25L1-2T		17			09			180
APKT09-C16-18-150L-25L1-2T		18			09			150
APKT09-C20-20-150L-30L1-2T	20	20			09			
APKT09-C20-20-200L-30L1-2T		20			200			
APKT09-C20-21-200L-30L1-2T		21						09
APKT09-C20-22-150L-25L1-2T		22	09		150			
APKT09-C20-25-150L-25L1-3T		25	25					09
APKT09-C25-25-150L-25L1-3T	25		3		09			

MILLING INSERTS

INSERTS	DESIGNATION	CHIP BREAKER	UT925	UT927	UT923	UT921
	APMT 1135	M2	•	•	•	•



DESCRIPTION	SHANK DIA (SD)	BLADE DIA (D)	NO. OF FLUTE	INSERT	APMX	SCREW	ALLENKEY	OAL	
									
EAP300R-C12-08-100-1T-New	12	8	1	APMT1135-PDER	10	M2.5*6	T8	100	
EAP300R-C12-08-150-1T-New					10			150	
EAP300R-C12-08-200-1T-New					10			200	
EAP300R-C12-08-250-1T-New					10			250	
EAP300R-C10-09-100-1T-New	10	9			10			100	
EAP300R-C10-10-100-1T		10			10			100	
EAP300R-C10-10-120-1T					10			120	
EAP300R-C10-10-150-1T					10			150	
EAP300R-C10-10-200-1T-New					10			200	
EAP300R-C10-10-250-1T-New					10			250	
EAP300R-C10-11-100-1T-New					11			10	100
EAP300R-C10-11-130-1T								10	130
EAP300R-C10-11-150-1T-New								10	150
EAP300R-C12-12-100-1T-New		12			12			10	100
EAP300R-C12-12-130-1T	10							130	
EAP300R-C12-12-150-1T	10							150	
EAP300R-C12-12-250-1T-New	10							250	
EAP300R-C12-12-300-1T-New	10							30	
EAP300R-C12-13-100-1T-New	13							10	100
EAP300R-C12-13-130-1T								10	130
EAP300R-C12-13-150-1T								10	150

MILLING INSERTS

Cont'd Table from APMT 1135

DESCRIPTION	SHANK DIA (SD)	BLADE DIA (D)	NO. OF FLUTE	INSERT	APMX	SCREW	ALLENKEY	OAL
								
EAP300R-C12-16-80-2T-New (APKT113508)	12	16	2	APMT1135-PDER	10	M2.5*6	T8	80
EAP300R-C12-17-50-2T-New (APKT113508)		17			10			50
EAP300R-C12-17-80-2T-New (APKT113508)		17			10			80
EAP300R-C12-20-80-2T-New (APKT113508)		20	10					
EAP300R-C12-25-80-3T-New (APKT113508)		25	3		10			
EAP300R-C12-28-80-3T-New (APKT113508)		28			10			
EAP300R-C12-30-80-3T-New (APKT113508)		30			10			
EAP300R-C12-32-80-4T-New (APKT113508)		32	4		10			
EAP300R-C12-35-80-4T-New (APKT113508)		35			10			
EAP300R-C13-14-100-2T-New	13	14	2		10			100
EAP300R-C13-14-130-2T					10			130
EAP300R-C13-14-150-2T					10			150
EAP300R-C13-14-200-2T-New					10			200
EAP300R-C14-14-100-2T-New	14				10			100
EAP300R-C14-14-130-2T					10			130
EAP300R-C14-14-150-2T					10			150
EAP300R-C14-14-200-2T-New					10			200
EAP300R-C14-15-130-2T-New	15	10			130			
EAP300R-C14-15-150-2T		10			150			
EAP300R-C15-15-130-2T-New		16			10			130
EAP300R-C15-15-150-2T					10			150
EAP300R-C15-16-120-2T-New	10				120			
EAP300R-C15-16-150-2T	10				150			
EAP300R-C15-16-200-2T	15.6	16			10			200
EAP300R-C15-16-250-2T-New					10			250
EAP300R-C15.6-16-120-2T-New					10			120
EAP300R-C15.6-16-150-2T					10			150
EAP300R-C15.6-16-200-2T					10			200
EAP300R-C15.6-16-250-2T-New								10
EAP300R-C15.6-16-300-2T-New				10	300			

MILLING INSERTS

Cont'd Table from APMT 1135

DESCRIPTION	SHANK DIA (SD)	BLADE DIA (D)	NO. OF FLUTE	INSERT 	APMX	SCREW 	ALLENKEY 	OAL	
EAP300R-C16-16-120-2T	16	15	2	APMT1135-PDER	10	M2.5*6	T8	120	
EAP300R-C16-16-150-2T					10			150	
EAP300R-C16-16-200-2T					10			200	
EAP300R-C16-16-250-2T					10			250	
EAP300R-C16-16-300-2T					10			300	
EAP300R-C16-17-120-2T		17			10			120	
EAP300R-C16-17-150-2T					10			150	
EAP300R-C16-17-200-2T					10			200	
EAP300R-C16-17-250-2T					10			250	
EAP300R-C16-17-300-2T					10			300	
EAP300R-C16-17-350-2T-New					10			350	
EAP300R-C16-18-150-2T		18			10			150	
EAP300R-C16-18-200-2T					10			200	
EAP300R-C16-30-85-3T-New		30	3		10			85	
EAP300R-C16-36-85-3T		36			10				
EAP300R-C16-38-85-3T		38			10				
EAP300R-C16-40-85-3T		40			10				
EAP300R-C16-40-70-4T-New			4		10			70	
EAP300R-C19-19-150-2T	19	19	2		10			150	
EAP300R-C19-19-150-3T-New			3		10			150	
EAP300R-C20-19-150-2T	20				10			150	
EAP300R-C19-20-120-2T-New	19	20	2		10			120	
EAP300R-C19-20-150-2T					10			150	
EAP300R-C19-20-200-2T					10			200	
EAP300R-C19-20-250-2T					10			250	
EAP300R-C19-20-300-2T-New					10			300	
EAP300R-C19-20-150-3T-New					10			150	
EAP300R-C19-20-200-3T-New			3		10			200	
EAP300R-C19-20-250-3T-New					10			250	
EAP300R-C20-20-120-2T					2			10	120
EAP300R-C20-20-150-2T								10	150
EAP300R-C20-20-200-2T	10	200							
EAP300R-C20-20-250-2T	10	250							
EAP300R-C20-20-300-2T	10	300							
EAP300R-C20-20-120-3T-New	3	10	120						

MILLING INSERTS

Cont'd Table from APMT 1135

DESCRIPTION	SHANK DIA (SD)	BLADE DIA (D)	NO. OF FLUTE	INSERT	APMX	SCREW	ALLENKEY	OAL				
												
EAP300R-C20-20-150-3T	20	20	3	APMT1135-PDER	10	M2.5*6	T8	150				
EAP300R-C20-20-200-3T					10			200				
EAP300R-C20-20-250-3T-New					10			250				
EAP300R-C20-21-120-3T		21	3		10			120				
EAP300R-C20-21-150-3T					10			150				
EAP300R-C20-21-200-3T					10			200				
EAP300R-C20-21-250-3T-New					10			250				
EAP300R-C20-21-300-3T-New					10			300				
EAP300R-C20-21-120-2T		21	2		10			120				
EAP300R-C20-21-150-2T					10			150				
EAP300R-C20-21-200-2T					10			200				
EAP300R-C20-21-250-2T					10			250				
EAP300R-C20-21-300-2T					10			300				
EAP300R-C20-21-350-2T-New					10			350				
EAP300R-C20-22-150-2T		22			10			150				
EAP300R-C20-22-200-2T					10			200				
EAP300R-C20-22-150-3T-New					10			150				
EAP300R-C20-22-200-3T-New		23	3		10			200				
EAP300R-C20-23-150-3T					10			150				
EAP300R-C20-23-200-3T-New					10			200				
EAP300R-C20-24-150-3T		24			10			150				
EAP300R-C20-24-200-3T-New					10			200				
EAP300R-C20-25-150-2T-New		25	2		10			150				
EAP300R-C20-25-150-3T			3		10			200				
EAP300R-C20-25-200-3T					10			250				
EAP300R-C20-25-250-3T					10			150				
EAP300R-C20-25-150-4T-New			4		10			200				
EAP300R-C20-25-200-4T-New					10			250				
EAP300R-C20-25-250-4T-New					10			150				
EAP300R-C20-30-150-3T-New		30	3		10			150				
EAP300R-C24-25-150-2T	24	25	2		10			200				
EAP300R-C24-25-200-2T					10			250				
EAP300R-C24-25-250-2T-New	25				10			150				
EAP300R-C25-25-150-2T-New					10			200				
EAP300R-C25-25-200-2T-New					10			250				

MILLING INSERTS

Cont'd Table from APMT 1135

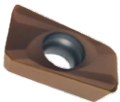
DESCRIPTION	SHANK DIA (SD)	BLADE DIA (D)	NO. OF FLUTE	INSERT	APMX	SCREW	ALLENKEY	OAL	
									
EAP300R-C25-26-150-2T-New	25	26	2	APMT135-PDER	10	M2.5*6	T8	150	
EAP300R-C25-26-200-2T-New					10			200	
EAP300R-C25-26-250-2T-New					10			250	
EAP300R-C24-25-150-3T	24	25	3		10			150	
EAP300R-C24-25-200-3T					10			200	
EAP300R-C24-25-250-3T					10			250	
EAP300R-C25-25-150-3T	25				10			150	
EAP300R-C25-25-200-3T					10			200	
EAP300R-C25-25-250-3T					10			250	
EAP300R-C25-26-150-3T					26			10	150
EAP300R-C25-26-200-3T								10	200
EAP300R-C25-26-250-3T								10	250
EAP300R-C25-26-300-3T-New		10						300	
EAP300R-C25-27-150-3T-New		27			10			150	
EAP300R-C25-27-200-3T-New					10			200	
EAP300R-C25-27-250-3T-New					10			250	
EAP300R-C25-28-150-3T		28			10			150	
EAP300R-C25-28-200-3T-New					10			200	
EAP300R-C25-28-250-3T-New					10			250	
EAP300R-C25-30-150-3T		30			10			150	
EAP300R-C25-30-200-3T					10			200	
EAP300R-C25-30-250-3T-New					10			250	
EAP300R-C25-32-150-3T-New	32	10			150				
EAP300R-C32-32-150-3T-New		10			150				
EAP300R-C32-32-200-3T-New		10			200				
EAP300R-C32-32-250-3T-New		10			250				
EAP300R-C32-33-150-3T-New		33			10			150	
EAP300R-C32-33-200-3T-New					10			200	
EAP300R-C32-33-250-3T-New					10			250	
EAP300R-C32-35-150-3T		35			10			150	
EAP300R-C32-35-200-3T	10				200				
EAP300R-C32-35-250-3T	10				250				
EAP300R-C24-25-150-4T	24	25			4			10	150
EAP300R-C24-25-200-4T								10	200
EAP300R-C24-25-250-4T								10	250
EAP300R-C25-25-150-4T	25	10		150					

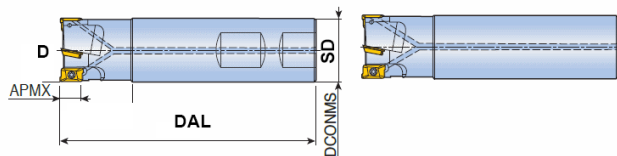
MILLING INSERTS

Cont'd Table from APMT 1135

DESCRIPTION	SHANK DIA (SD)	BLADE DIA (D)	NO. OF FLUTE	INSERT	APMX	SCREW	ALLENKEY	OAL
								
EAP300R-C25-25-200-4T	25	25	4	APMT1135-PDER	10	M2.5*6	T8	200
EAP300R-C25-25-250-4T					10			250
EAP300R-C25-26-150-4T		26			10			150
EAP300R-C25-26-200-4T					10			200
EAP300R-C25-26-250-4T					10			250
EAP300R-C25-28-150-4T		28			10			150
EAP300R-C25-28-200-4T-New					10			200
EAP300R-C25-28-250-4T-New					10			250
EAP300R-C25-30-150-4T		30			10			150
EAP300R-C25-30-200-4T					10			200
EAP300R-C25-30-250-4T-New					10			250
EAP300R-C32-32-150-4T	32	32			10			150
EAP300R-C32-32-200-4T					10			200
EAP300R-C32-32-250-4T-New					10			250
EAP300R-C32-33-150-4T-New		33			10			150
EAP300R-C32-33-200-4T-New					10			200
EAP300R-C32-33-250-4T-New					10			250
EAP300R-C32-35-150-4T		35			10			150
EAP300R-C32-35-200-4T					10			200
EAP300R-C32-35-250-4T					10			250
EAP300R-C32-35-300-4T-New		40			10			300
EAP300R-C32-40-150-4T					10			150
EAP300R-C32-40-200-4T					10			200
EAP300R-C32-40-250-4T-New					10			250
EAP300R-C32-40-300-4T-New					10			300
EAP300R-C32-40-150-5T-New		5	10		150			
EAP300R-C32-40-200-5T-New			10		200			
EAP300R-C32-40-250-5T-New			10		250			
EAP300R-C32-40-300-5T-New			10		300			
EAP300R-C20-20-28M-120-2T-6P	20	20	120		10			120
EAP300R-C20-20-48M-130-2T-12P			130		10			130
EAP300R-C20-20-68M-200-2T-16P			200		10			200
EAP300R-C25-25-38M-130-2T-10P	25	25	130		10			130
EAP300R-C25-25-48M-130-2T-12P			200		10			200
EAP300R-C25-25-68M-200-2T-16P					10			
EAP300R-C32-32-48M-150-3T-18P	32	32	150		10			150

MILLING INSERTS

INSERTS	DESIGNATION	CHIP BREAKER	UT925	UT927	UT923	UT921
	APMT 1604	H2	●			



DESCRIPTION	SHANK DIA (SD)	BLADE DIA (D)	NO. OF FLUTE	INSERT	APMX	SCREW	ALLENKEY	OAL	
									
EAP400R-C19-20-150-2T	19	20	2	APMT1604-PDER	15	M4*9	T15	150	
EAP400R-C19-20-200-2T-New					15			200	
EAP400R-C20-20-150-2T	20				21			15	150
EAP400R-C20-20-200-2T-New								15	200
EAP400R-C20-21-150-2T		22			15			150	
EAP400R-C20-21-200-2T-New					15			200	
EAP400R-C20-22-150-2T		23			15			150	
EAP400R-C20-22-200-2T-New					15			200	
EAP400R-C20-23-150-2T		24			15			150	
EAP400R-C20-23-200-2T-New					15			200	
EAP400R-C20-24-150-2T		25			25			15	150
EAP400R-C20-24-200-2T-New								15	200
EAP400R-C20-25-150-2T	15							150	
EAP400R-C20-25-200-2T	15							200	
EAP400R-C24-25-150-2T	15							150	
EAP400R-C24-25-200-2T	15							200	
EAP400R-C24-25-250-2T	15							250	
EAP400R-C24-25-300-2T	15							300	
EAP400R-C24-25-350-2T-New	15							350	
EAP400R-C25-25-150-2T	25							15	150
EAP400R-C25-25-200-2T		15			200				

MILLING INSERTS

Cont'd Table from APMT 1604

DESCRIPTION	SHANK DIA (SD)	BLADE DIA (D)	NO. OF FLUTE	INSERT	APMX	SCREW	ALLENKEY	OAL	
									
EAP400R-C25-25-250-2T	25	25	2	APMT1604-PDER	15	M4*9	T15	250	
EAP400R-C25-25-300-2T					15			300	
EAP400R-C25-25-350-2T-New					15			350	
EAP400R-C25-25-400-2T					15			400	
EAP400R-C25-26-150-2T		26			15			150	
EAP400R-C25-26-200-2T					15			200	
EAP400R-C25-26-250-2T					15			250	
EAP400R-C25-26-300-2T					15			300	
EAP400R-C25-26-350-2T					15			350	
EAP400R-C25-26-400-2T-New					15			400	
EAP400R-C25-28-150-2T	28	15			150				
EAP400R-C25-28-200-2T		15			200				
EAP400R-C20-30-120-2T	20	30			15			120	
EAP400R-C20-30-150-2T					15			150	
EAP400R-C20-30-200-2T-New					15			200	
EAP400R-C20-30-150-3T-New					15			150	
EAP400R-C20-30-200-3T-New					15			200	
EAP400R-C25-30-150-2T	25				30			15	150
EAP400R-C25-30-200-2T								15	200
EAP400R-C25-30-250-2T								15	250
EAP400R-C25-30-300-2T								15	300
EAP400R-C25-30-350-2T-New								15	350
EAP400R-C25-30-150-3T-New		3	15		150				
EAP400R-C25-30-200-3T-New			15		200				
EAP400R-C25-30-250-3T-New			15		250				
EAP400R-C25-30-300-3T-New			15		300				
EAP400R-C25-32-150-2T			32		2			15	150
EAP400R-C25-32-200-2T	15	200							
EAP400R-C25-32-250-2T	15	250							
EAP400R-C25-32-150-3T-New	3	15						150	
EAP400R-C25-32-200-3T-New		15			200				
EAP400R-C25-32-250-3T-New		15			250				
EAP400R-C32-32-150-3T		32			15			150	
EAP400R-C32-32-200-3T	15				200				
EAP400R-C32-32-250-3T	15		250						

MILLING INSERTS

Cont'd Table from APMT 1604

DESCRIPTION	SHANK DIA (SD)	BLADE DIA (D)	NO. OF FLUTE	INSERT	APMX	SCREW	ALLENKEY	OAL
								
EAP400R-C32-32-300-3T	32	32	3	APMT1604-PDER	15	M4*9	T15	300
EAP400R-C32-32-350-3T					15			350
EAP400R-C32-32-400-3T-New					15			400
EAP400R-C32-33-150-3T		33			15			150
EAP400R-C32-33-200-3T					15			200
EAP400R-C32-33-250-3T					15			250
EAP400R-C32-33-300-3T-New					15			300
EAP400R-C32-33-350-3T-New					15			350
EAP400R-C32-35-150-3T		35			15			150
EAP400R-C32-35-200-3T					15			200
EAP400R-C32-35-250-3T					15			250
EAP400R-C32-35-300-3T					15			300
EAP400R-C32-35-350-3T					15			350
EAP400R-C32-35-400-3T					15			400
EAP400R-C32-35-450-3T-New					15			450
EAP400R-C32-40-150-3T		40			15			150
EAP400R-C32-40-200-3T					15			200
EAP400R-C32-40-250-3T					15			250
EAP400R-C32-40-300-3T					15			300
EAP400R-C32-40-350-3T					15			350
EAP400R-C32-40-400-3T					15			400
EAP400R-C32-40-450-3T-New					15			450
EAP400R-C32-40-150-4T		4	15		150			
EAP400R-C32-40-200-4T			15		200			
EAP400R-C32-50-150-4T			50		15			150
EAP400R-C32-50-200-4T-New					15			20
EAP400R-40-MTA4-4T	MTA4		40		15			165
EAP400R-50-MTA4-4T			50		15			165
EAP400R-C16-38-100-4T	16		38		15			100
EAP400R-C20-38-100-4T-New	20	15						
EAP400R-C20-40-90-3T		3	40		90			
EAP400R-C20-38-90-3T			38					
EAP400R-C20-36-90-3T			36					
EAP400R-C20-35-90-3T			35					

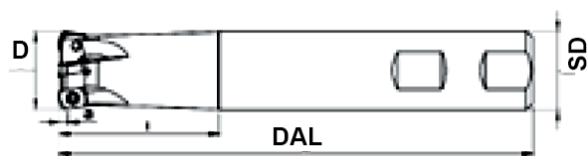
MILLING INSERTS

Cont'd Table from APMT 1604

DESCRIPTION	SHANK DIA (SD)	BLADE DIA (D)	NO. OF FLUTE	INSERT 	APMX	SCREW 	ALLENKEY 	OAL
EAP400R-C32-32-42M-150-2T-6P	32	32	6	APMT1604-PDER	15	M4*9	T15	150
EAP400R-C32-32-55M-150-2T-8P			8		15			
EAP400R-C32-32-70M-150-2T-10P			10		15			
EAP400R-C32-32-100M-200-2T-14P			14		15			200
EAP400R-C32-35-55M-150-2T-8P		35	8		15			150
EAP400R-C32-35-70M-150-2T-10P			10		15			150
EAP400R-C32-35-100M-200-2T-14P			14		15			200
EAP400R-C32-40-56M-150-3T-12P		40	12		15			150
EAP400R-C32-40-70M-150-2T-10P			10		15			
EAP400R-C32-40-70M-150-3T-15P			15		15			
EAP400R-C32-40-100M-200-3T-21P			21		15			200
EAP400R-C40-50-70M-150-3T-15P	40	50	15		15			150
EAP400R-C40-50-100M-180-3T-21P			21		15			170
EAP400R-50-22-42M-3T-9P	50	22	9		15			70
EAP400R-50-22-60M-3T-15P			12		15			90
EAP400R-50-22-42M-4T-12P			20		15			70
EAP400R-50-22-60M-4T-20P			20		15			90
EAP400R-63-27-42M-4T-12P	63	27	12		15			72
EAP400R-63-27-60M-4T-20P			16		15			90
EAP400R-63-27-78M-4T-24P-New			20		15			110
EAP400R-80-27-72M-5T-25P	80	32	25		15			102
EAP400R-80-32-54M-5T-20P-New			20		15			85
EAP400R-80-32-72M-5T-25P-New			25		15			102
EAP400R-80-32-95M-5T-35P-New			35		15			125
EAP400R-100-40-72M-6T-30P	100	40	30		15			102

MILLING INSERTS

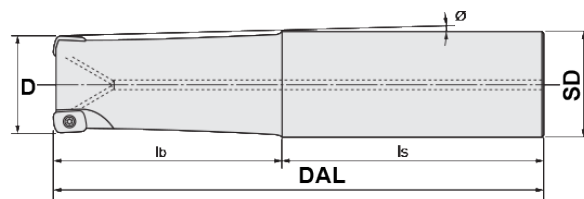
INSERTS	DESIGNATION	CHIP BREAKER	UT925	UT927	UT923	UT921
	BLMP0603	R-M		•		
	BLMP0903	R-M		•		



DESCRIPTION	SHANK DIA (SD)	BLADE DIA (D)	NO. OF FLUTE	INSERT	APMX	SCREW	ALLENKEY	OAL
BLMP0603-C20-21-150-3T-New	20	21	3	 BLMP0603R	1	 M2.5*6	 T8	150
BLMP0603-C25-26-150-4T-New	25	26	4		1			150

MILLING INSERTS

INSERTS	DESIGNATION	CHIP BREAKER	UT925	UT927	UT923	UT921
	EPNW 0603	TN	•		•	



DESCRIPTION	SHANK DIA (SD)	BLADE DIA (D)	NO. OF FLUTE	INSERT	APMX	SCREW	ALLENKEY	OAL	
									
ASR06-C15-16-150-2T	15	16	2	EP** 0603TN-8	1	M2.5*6	T8	150	
ASR06-C15-16-200-2T					1			200	
ASR06-C16-16-120-2T	16				17			1	120
ASR06-C16-16-150-2T								1	150
ASR06-C16-16-200-2T								1	200
ASR06-C16-17-120-2T		1						120	
ASR06-C16-17-150-2T		1			150				
ASR06-C16-17-200-2T		18			1			200	
ASR06-C16-18-150-2T-New					1			150	
ASR06-C16-18-200-2T-New					1			200	
ASR06-C19-20-150-2T	19				20			1	150
ASR06-C19-20-200-2T		1						200	
ASR06-C20-20-130-2T-New	1	130							
ASR06-C20-20-150-2T	1	150							
ASR06-C20-20-200-2T	1	200							
ASR06-C20-20-250-2T-New	20	1							
ASR06-C20-21-120-2T		1						120	
ASR06-C20-21-150-2T		1						150	
ASR06-C20-21-200-2T		1						200	
ASR06-C20-21-250-2T-New		1						250	

MILLING INSERTS

Cont'd Table from EPNW 0603

DESCRIPTION	SHANK DIA (SD)	BLADE DIA (D)	NO. OF FLUTE	INSERT	APMX	SCREW	ALLENKEY	OAL
								
ASR06-C19-20-150-3T	19	20	3	EP** 0603TN-8	1	M2.5*6	T8	150
ASR06-C19-20-200-3T					1			200
ASR06-C20-20-130-3T	20				1			130
ASR06-C20-20-150-3T					1			150
ASR06-C20-20-200-3T					1			200
ASR06-C20-20-250-3T					1			250
ASR06-C20-21-120-3T-New		21			1			120
ASR06-C20-21-150-3T					1			150
ASR06-C20-21-200-3T	1				200			
ASR06-C20-21-250-3T-New	1				250			
ASR06-C24-25-150-3T	24				1			150
ASR06-C24-25-200-3T					1			200
ASR06-C24-25-250-3T-New		1			250			
ASR06-C25-25-150-3T	25	25			1			150
ASR06-C25-25-200-3T		1			200			
ASR06-C25-25-250-3T		1			250			
ASR06-C25-26-150-3T		26			1			150
ASR06-C25-26-200-3T					1			200
ASR06-C25-26-250-3T					1			250
ASR06-C25-25-150-4T	25		25		1			150
ASR06-C25-25-200-4T			1		200			
ASR06-C25-25-250-4T			1		250			
ASR06-C25-26-150-4T		26	1					
ASR06-C25-26-200-4T			1		200			
ASR06-C25-26-250-4T			1		250			
ASR06-C25-30-150-4T-New	30		4		1			
ASR06-C25-30-200-4T			1		200			
ASR06-C32-30-230-4T			32		30			1
ASR06-C32-30-300-4T		1			300			
ASR06-C32-32-150-4T		32			1			150
ASR06-C32-32-200-4T					1			200
ASR06-C32-32-250-4T	1				250			

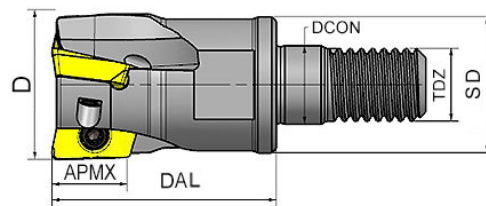
MILLING INSERTS

Cont'd Table from EPNW 0603

DESCRIPTION	SHANK DIA (SD)	BLADE DIA (D)	NO. OF FLUTE	INSERT	APMX	SCREW	ALLENKEY	OAL
								
ASR06-C32-33-150-4T	32	33	4	EP**0603TN-8	1	M2.5*6	T8	150
ASR06-C32-33-200-4T					1			200
ASR06-C32-33-250-4T					1			250
ASR06-C32-33-300-4T					1			300
ASR06-C32-35-150-4T		35	4		1			150
ASR06-C32-35-200-4T					1			200
ASR06-C32-35-250-4T					1			250
ASR06-C32-35-150-5T-New			5		1			150
ASR06-C32-35-200-5T-New					1			200
ASR06-C32-35-250-5T-New					1			250
ASR06-C32-40-150-4T		40	4		1			150
ASR06-C32-40-200-4T					1			200
ASR06-C32-40-250-4T					1			250
ASR06-C32-40-150-5T-New			5		1			150
ASR06-C32-40-200-5T-New					1			200
ASR06-C32-40-250-5T-New					1			250
ASR06-50-22-6T	50	22	6	1				
ASR06-63-22-8T	63		8	1				

MILLING INSERTS

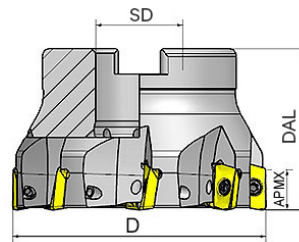
INSERTS	DESIGNATION	CHIP BREAKER	UT925	UT927	UT923	UT921
	JDMT 070204	R	•		•	
	JDMT 070208	R	•		•	



DESCRIPTION	SHANK DIA (SD)	BLADE DIA (D)	NO. OF FLUTE	INSERT	APMX	SCREW	ALLENKEY	OAL	
									
ESE(ASM)-C10-08-100-1T	10	8	1	JD** 0702..	7	M1.8*4	T6	100	
ESE(ASM)-C10-9.5-100-1T		9.5			7				
ESE(ASM)-C10-09-100-1T		9			7				
ESE(ASM)-C10-10-120-2T		10	2		7			120	
ESE(ASM)-C10-11-120-2T		11			7				
ESE(ASM)-C10-11-120-3T			3		7				
ESE(ASM)-C10-12-120-2T		12	2		7				
ESE(ASM)-C10-12-120-3T			3		7				
ESE(ASM)-C12-12-120-2T	2		7						
ESE(ASM)-C12-12-120-3T	3		7						
ESE(ASM)-C12-13-120-2T	13	2	7		130				
ESE(ASM)-C12-13-120-3T		3	7						
ESE(ASM)-C14-14-130-3T	14		7					150	
ESE(ASM)-C14-14-150-3T	14		2						7
ESE(ASM)-C14-15-150-2T		14	4					7	130
ESE(ASM)-C15-15-130-4T	15	16						7	150
ESE(ASM)-C15-15-150-4T								7	
ESE(ASM)-C16-16-150-4T	16	16	3					7	160
ESE(ASM)-C16-17-160-3T		17			7				
ESE(ASM)-C18-18-150-4T	18	18	4	7	150				

MILLING INSERTS

INSERTS	DESIGNATION	CHIP BREAKER	UT925	UT927	UT923	UT921
	JDMT 1003	R	•		•	



DESCRIPTION	SHANK DIA (SD)	BLADE DIA (D)	NO. OF FLUTE	INSERT	APMX	SCREW	ALLENKEY	OAL
								
AHU10-C10-10-100L-1T	10	10	1	JD ** 1003	10	M2.5*6	T8	100
AHU10-C12-12-120L-1T	12	12			10			120
AHU10-C12-12-130L-1T					10			130
AHU10-C12-12-200L-1T-New					10			200
AHU10-C15-16-160L-2T-New			15		16			10
AHU10-C15.6-16-160L-2T	15.6	10	200					
AHU10-C15.6-16-200L-2T		10						
AHU10-C16-16-120L-2T	16	10						120
AHU10-C16-16-150L-2T		10						150
AHU10-C16-16-200L-2T		10	200					
AHU10-C16-17-120L-2T		17	10		120			
AHU10-C16-17-150L-2T			10		150			
AHU10-C16-17-200L-2T			10		200			
AHU10-C20-20-130L-2T	20		10		130			
AHU10-C20-20-130L-3T		10						
AHU10-C20-20-150L-2T		10	150					
AHU10-C20-20-150L-3T		10						
AHU10-C20-20-200L-2T-New		10	200					
AHU10-C20-20-200L-3T-New		10						
AHU10-C20-21-130L-2T		21	2		10			130

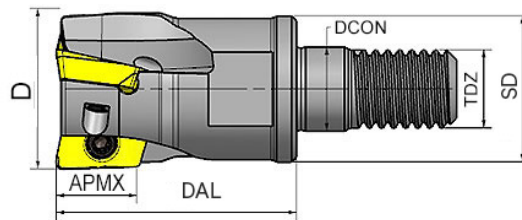
MILLING INSERTS

Cont'd Table from JDMT 1003

DESCRIPTION	SHANK DIA (SD)	BLADE DIA (D)	NO. OF FLUTE	INSERT	APMX	SCREW	ALLENKEY	OAL			
											
AHU10-C20-21-130L-3T	20	21	3	JD**1003	10	M2.5*6	T8	130			
AHU10-C20-21-150L-2T			2		10			150			
AHU10-C20-21-150L-3T			3		10						
AHU10-C20-21-200L-2T-New			2		10			200			
AHU10-C20-21-200L-3T-New			3		10						
AHU10-C25-25-150L-4T	25	25	4		10			150			
AHU10-C25-25-200L-4T					10			200			
AHU10-C25-25-250L-4T-New					10			200			
AHU10-C32-32-150L-4T-New	32	32			10			150			
AHU10-C32-32-200L-4T					10			200			
AHU10-C32-32-250L-4T-New					10			250			
AHU10-C32-35-150L-4T-New		35			10			150			
AHU10-C32-35-200L-4T					10			200			
AHU10-C32-35-250L-4T-New					10			250			

MILLING INSERTS

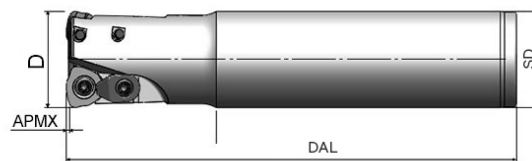
INSERTS	DESIGNATION	CHIP BREAKER	UT925	UT927	UT923	UT921
	JDMT 150508	R	•		•	



DESCRIPTION	SHANK DIA (SD)	BLADE DIA (D)	NO. OF FLUTE	INSERT	APMX	SCREW	ALLENKEY	OAL
								
AHU15-C25-25-150L-2T-New	25	25	2	JD **1505	15	M4*9	T15	150
AHU15-C25-25-200L-2T					15			200
AHU15-C25-25-250L-2T-New					15			250
AHU15-C25-26-150L-2T-New		26			15			150
AHU15-C25-26-200L-2T-New					15			200
AHU15-C25-26-250L-2T-New					15			250
AHU15-C25-30-150L-2T-New		30			15			150
AHU15-C25-30-200L-2T-New					15			200
AHU15-C25-30-250L-2T-New					15			250
AHU15-C32-32-150L-3T-New	32	32	3		15			150
AHU15-C32-32-200L-3T-New					15			200
AHU15-C32-32-250L-3T-New					15			250
AHU15-C32-35-150L-3T-New		35			15			150
AHU15-C32-35-200L-3T-New					15			200
AHU15-C32-35-250L-3T-New					15			250
AHU15-C32-40-150L-3T-New		40			15			150
AHU15-C32-40-200L-3T-New					15			200
AHU15-C32-40-250L-3T-New					15			250

MILLING INSERTS

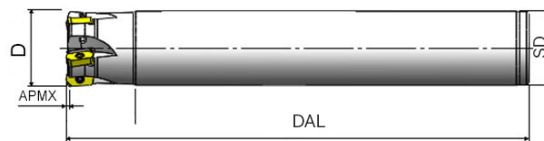
INSERTS	DESIGNATION	CHIP BREAKER	UT925	UT927	UT923	UT921
	JDMW 120420	ZDSR-SR	•			



DESCRIPTION	SHANK DIA (SD)	BLADE DIA (D)	NO. OF FLUTE	INSERT	APMX	SCREW	ALLENKEY	PRESSURE PLATE	OAL
EJX12-C32-32-150-2T		32			2				150
EJX12-C32-32-200-2T		32			2				200
EJX12-C32-32-250-2T		32			2				250
EJX12-C32-33-150-2T		33			2				150
EJX12-C32-33-200-2T		33			2				200
EJX12-C32-33-250-2T		33			2				250
EJX12-C32-35-150-2T		35			2				150
EJX12-C32-35-200-2T		35			2				200
EJX12-C32-35-250-2T		35			2				250
EJX12-C32-40-150-2T		40			2				150
EJX12-C32-40-200-2T		40			2				200
EJX12-C32-40-250-2T		40			2				250

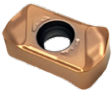
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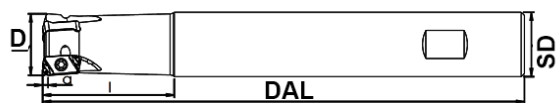
INSERTS	DESIGNATION	CHIP BREAKER	UT925	UT927	UT923	UT921
	LNMU 0202	ZER-MJ	•			



DESCRIPTION	SHANK DIA (SD)	BLADE DIA (D)	NO. OF FLUTE	INSERT 	APMX	SCREW 	ALLENKEY 	OAL
EXN02-C10-10-100-2T	10	10	2	LNMU0201	1	M1.8*4	T6	100
EXN02-C12-12-100-2T	12	12			1			100
EXN02-C12-13-100-3T	12	13	3		1			100

MILLING INSERTS

INSERTS	DESIGNATION	CHIP BREAKER	UT925	UT927	UT923	UT921
	LNMU 0303	ZER-MJ	•		•	•



DESCRIPTION	SHANK DIA (SD)	BLADE DIA (D)	NO. OF FLUTE	INSERT	APMX	SCREW	ALLENKEY	OAL	
									
EXN03-C16-16-150-2T	16	16	2	LNMU0303ZER	1	M2.5*8	T8	150	
EXN03-C16-16-200-2T					1			200	
EXN03-C16-17-150-2T		17						1	150
EXN03-C16-17-200-2T								1	200
EXN03-C19-20-150-3T-New	19	20	3		1			150	
EXN03-C19-20-200-3T-New					1			200	
EXN03-C20-20-150-3T	20				1			150	
EXN03-C20-20-200-3T-New					1			200	
EXN03-C20-21-150-3T		21			1			150	
EXN03-C20-21-200-3T-New					1			200	
EXN03-C24-25-150-4T-New	24	25			4			1	150
EXN03-C24-25-200-4T-New								1	200
EXN03-C25-25-150-4T	25							1	150
EXN03-C25-25-200-4T-New								1	200
EXN03-C25-26-150-4T		26	1					150	
EXN03-C25-26-200-4T			1					200	
EXN03-C25-30-150-5T-New	30	5	5					1	150
EXN03-C25-30-200-5T-New								1	200
EXN03-C29-30-150-5T								29	1
EXN03-C32-32-150-5T	32							32	1

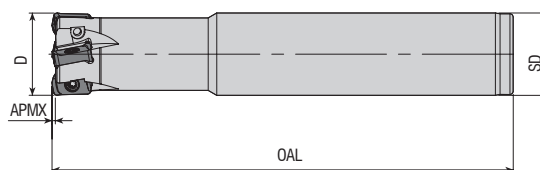
MILLING INSERTS

Cont'd Table from LNMU 0303

DESCRIPTION	SHANK DIA (SD)	BLADE DIA (D)	NO. OF FLUTE	INSERT	APMX	SCREW	ALLENKEY	OAL
								
EXN03-C32-32-200-5T	32	32	5	LNMU0303ZER		M2.5*8	T8	200
EXN03-C32-33-150-5T		33						150
EXN03-C32-33-200-5T								200
EXN03-C32-35-150-5T					35			
EXN03-C32-35-200-5T								200
EXN03-C32-40-150-5T-New		40						
EXN03-C32-40-200-5T-New								200

MILLING INSERTS

INSERTS	DESIGNATION	CHIP BREAKER	UT925	UT927	UT923	UT921
	LOGU 030310	ER-GM	●			



DESCRIPTION	SHANK DIA (SD)	BLADE DIA (D)	NO. OF FLUTE	INSERT	APMX	SCREW	ALLENKEY	OAL
								
MFH03-C16-16-120-2T-New	16	16	2	LOGU030310ER	1	M3.0*9	T8	120
MFH03-C16-16-150-2T					1			150
MFH03-C16-16-200-2T		1			200			
MFH03-C16-17-150-2T		17			1			150
MFH03-C16-17-200-2T					1			200
MFH03-C20-20-150-3T	20	20	3		1			150
MFH03-C20-20-200-3T					1			200
MFH03-C20-21-150-3T		21			1			150
MFH03-C20-21-200-3T					1			200
MFH03-C25-25-150-4T	25	25	4		1			150
MFH03-C25-25-200-4T					1			200
MFH03-C25-26-150-4T		26			1			150
MFH03-C25-26-200-4T					1			200
MFH03-C25-30-150-5T-New		30			1			150
MFH03-C25-30-200-5T-New					1			200
MFH03-C32-32-150-5T	32	32	5		1			150
MFH03-C32-32-200-5T					1			200
MFH03-C32-33-150-5T		33			1			150
MFH03-C32-33-200-5T					1			200
MFH03-C32-35-150-5T		35			1			150
MFH03-C32-35-200-5T					1			200
MFH03-C32-40-150-5T-New		40			1			150
MFH03-C32-40-200-5T-New	1		200					

MILLING INSERTS

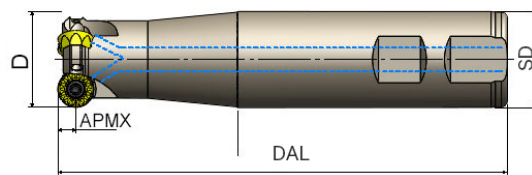
INSERTS	DESIGNATION	CHIP BREAKER	UT925	UT927	UT923	UT921
	LPGT 010210	ER-GM	•			



DESCRIPTION	SHANK DIA (SD)	BLADE DIA (D)	NO. OF FLUTE	INSERT	APMX	SCREW	ALLENKEY	OAL		
										
MFH01R-C10-08-100-1T-New	10	8	1	LPGT0102	2.5	M2.0*4	T6	100		
MFH01R-C10-09-100-1T-New		9			2.5					
MFH01R-C10-10-100-2T-New		10	2		2.5					
MFH01R-C10-11-100-2T-New		11			2.5					
MFH01R-C10-12-100-2T-New		12			3				2.5	
MFH01R-C10-12-100-3T-New	2		2.5							
MFH01R-C12-12-100-2T-New	3		2.5							
MFH01R-C12-12-100-3T-New	13		2		2.5					
MFH01R-C12-13-100-2T-New			3		2.5					
MFH01R-C12-13-100-3T-New					2.5					
MFH01R-C14-14-130-3T-New	14	14			2.5					130
MFH0R-C16-16-150-4T-New	16	16	4					2.5		

MILLING INSERTS

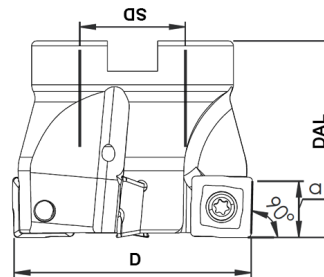
INSERTS	DESIGNATION	CHIP BREAKER	UT925	UT927	UT923	UT921
	RDMT 1003		•	•	•	•
	RDMT 1204		•	•	•	•



DESCRIPTION	SHANK DIA (SD)	BLADE DIA (D)	NO. OF FLUTE	INSERT	APMX	SCREW	ALLENKEY	PRESSURE PLATE	OAL
									
TRS-6R-C32-32-150-2T	32	32	2	RD ** 1204 MO	6	M4*9	T15	TF-R6	150
TRS-6R-C32-32-200-2T					6				200
TRS-6R-C32-32-250-2T					6				250
TRS-6R-C32-32-300-2T					6				300
TRS-6R-C32-40-150-3T		40	3		6				150
TRS-6R-C32-40-200-3T					6				200
TRS-6R-C32-40-250-3T					6				250
TRS-6R-C32-40-300-3T					6				300

MILLING INSERTS

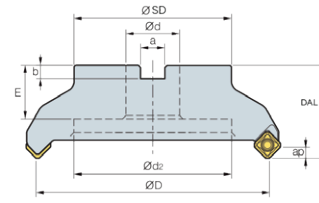
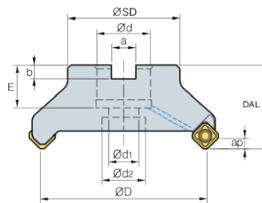
INSERTS	DESIGNATION	CHIP BREAKER	UT925	UT927	UT923	UT921
	SDMT 09T312	SM				
	SDMT 120412	SM	•		•	
	SDMT 120512	GM	•		•	



DESCRIPTION	SHANK DIA (SD)	BLADE DIA (D)	NO. OF FLUTE	INSERT	APMX	SCREW	ALLENKEY	PRESSURE PLATE	OAL
									
ASRF12-C32-32-150L-2T	32	32	2	SD ** 120512	12	4*10	T15	ASRF-12	150
ASRF12-C32-32-200L-2T					12				200
ASRF12-C32-33-150L-2T		33			12				150
ASRF12-C32-33-200L-2T					12				200
ASRF12-C32-35-150L-2T		35			12				150
ASRF12-C32-35-200L-2T					12				200
ASRF12-C32-35-250L-2T					12				250
ASRF12-C32-40-150L-3T		40	3		12				150
ASRF12-C32-40-200L-3T					12				200
ASRF12-C32-40-250L-3T					12				250

MILLING INSERTS

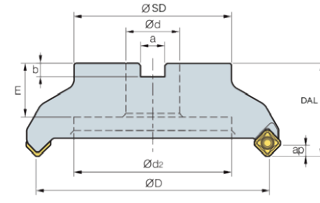
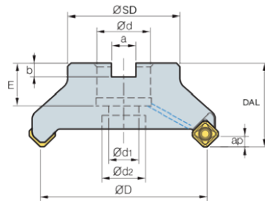
INSERTS	DESIGNATION	CHIP BREAKER	UT925	UT927	UT923	UT921
	SNMX1205	ANN-M	•	•		



DESCRIPTION	DIA	ARBOUR	NO. OF FLUTE	INSERT	SCREW	ALLENKEY
						
SNMX1205-50-22-4T-45°	50	22	4	SNMX1205	M5.0*12	T20
SNMX1205-63-22-5T-45°	63	22	5			
SNMX1205-80-27-6T-45°	80	27	6			
SNMX1205-100-32-7T-45°	100	32	7			
SNMX1205-125-40-9T-45°	125	40	9			
SNMX1205-160-40-11T-45°	160	40	11			
SNMX1205-200-60-12T-45°	200	60	12			
SNMX1205-50-22-4T-88°	50	22	4			
SNMX1205-63-22-5T-88°	63	22	5			
SNMX1205-80-27-6T-88°	80	27	6			
SNMX1205-100-32-7T-88°	100	32	7			
SNMX1205-125-40-9T-88°	125	40	9			
SNMX1205-160-40-11T-88°	160	40	11			
SNMX1205-200-60-12T-88°	200	60	12			

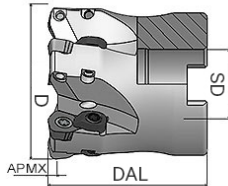
MILLING INSERTS

INSERTS	DESIGNATION	CHIP BREAKER	UT925	UT927	UT923	UT921
	SNMX1206	ANN-M	•	•		



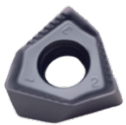
DESCRIPTION	DIA	ARBOUR	NO. OF FLUTE	INSERT	SCREW	ALLENKEY
						
SNMX1206-50-22-4T-45°	50	22	4	SNMX1206	M4.0*10	T15
SNMX1206-63-22-5T-45°	63	22	5			
SNMX1206-80-27-6T-45°	80	27	6			
SNMX1206-100-32-7T-45°	100	32	7			
SNMX1206-125-40-9T-45°	125	40	9			
SNMX1206-160-40-11T-45°	160	40	11			
SNMX1206-200-40-11T-45°	200	60	12			
SNMX1206-50-22-4T-88°	50	22	4			
SNMX1206-63-22-5T-88°	63	22	5			
SNMX1206-80-27-6T-88°	80	27	6			
SNMX1206-100-32-7T-88°	100	32	7			
SNMX1206-125-40-9T-88°	125	40	9			
SNMX1206-160-40-11T-88°	160	40	11			
SNMX1206-200-40-11T-45°	200	60	12			

MILLING INSERTS

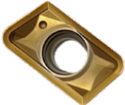
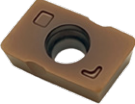
INSERTS	DESIGNATION	CHIP BREAKER	UT925	UT927	UT923	UT921
	WDMW 080520	ZTR				
						

DESCRIPTION	DIA	ARBOUR	NO. OF FLUTE	INSERT	SCREW	ALLENKEY	PRESURE PLATE
							
SKS08-50-22-3T	50	22	3	WDMW080520 WDMW10X620	M5*12	T15 T20	SKS-08/10
SKS08-50-22-4T	50		4				
SKS08-63-22-4T	63		4				
SKS08-80-27-5T	80	27	5				
SKS08-100-32-6T	100	32					
SKS10-63-22-4T	63	22	4				

MILLING INSERTS

INSERTS	DESIGNATION	CHIP BREAKER	UT925	UT927	UT923	UT921
	3PKT060304	R-M		•		
	3PKT100408	R-M		•		
	3PKT150408	R-M		•		
	3PKT190608	R-M		•		
	6NGU 060408	R-M		•		
	6NGU 090508	R-M		•		
	APKT 170508	R-EM	•	•		
	APKT 170516	R-EM	•	•		
	APKT 170524	R-EM	•	•		
	APKT 170530	R-EM	•	•		
	APMT 1604	M2	•	•	•	•
	APMT 160404		•		•	
	APMT 160416		•		•	
	APMT 160420		•		•	
	APMT 160424		•	•	•	
	APMT 160430		•		•	
	APMT 160432		•		•	
	APMT 160440		•		•	
	AXMT 123508	PEER-G	•			
	AXMT 170508	PEER-G	•			
	BDMT 11T308	ER-JT	•			
	BDMT 11T316	ER-JT	•			

MILLING INSERTS

INSERTS	DESIGNATION	CHIP BREAKER	UT925	UT927	UT923	UT921
	BLMP0603	R-M		•		
	ENMU 100412	ZER-PH	•			
	JDMW 140520	SR-FT	•			
	LNGU 15T306		•			
	MPHT 060304	DM	•			
	MPHT 080305	DM	•			
	MPHT 120408	DM	•			
	MPHW 060308	ZEL			•	
	ONHU 060408	PM	•			
	ONHU 080608	GM	•			
	PNCU 0905	GNER-MJ	•			
	PNMU 0905	GNEN-MJ	•			

MILLING INSERTS

INSERTS	DESIGNATION	CHIP BREAKER	UT925	UT927	UT923	UT921
	SDMT 09T312	SM	•		•	
	SDMT 09T512	SM				
	SEKT 1205	AFTR		•		
	SEMT 13T3	AGSN-GM	•			
	SNMU 130508	EN-GM	•			
	SNMX 1206	QNN-M	•	•		
	SOMT 100420	ER-GM	•			
	SOMT 140520	ER-GM	•			
	WNMU 040308	EN-GM	•			
	WNMX 060312	ZNM-M	•			
	WNMX 060312	ZNM-M	•			
	YPHW 100308	ZER	•			

Note :

We provide milling cutters tailored to your specific drawing requirements.

UNITEC

SOLID CARBIDE



SOLID CARBIDE

NAME	ITEM	45HRC (UNI-ECO)	55HRC (UNI-SS)	65 HRC (UNI - PRE)	UNCOATED (UNI-AL)
END MILL (2F/4F)	1X3X50XS3	●	●	●	~
END MILL (2F/4F)	1X4X50XS4	●	●	●	●
END MILL (2F)	1.5X4X50XS4	●	●	●	●
END MILL (4F)	1.5X4X50XS4	●	●	●	●
END MILL (4F)	1.5X3X50XS3	●	●	●	●
END MILL (2F)	2X3X50XS3	●	●	●	~
END MILL (2F/4F)	2X4X50XS4	●	●	●	●
END MILL (4F)	2X3X50XS3	●	●	●	~
END MILL (4F)	2.5X3X50XS3	●	●	●	~
END MILL (4F)	2.5X4X50XS4	●	●	●	●
END MILL (2F/4F)	3X3X50XS3	●	●	●	~
END MILL (2F)	3X4X50XS4	●	●	●	~
END MILL (2F/4F)	3X4X50XS4	●	●	●	●
END MILL (4F)	3X3X75XS3	●	●	●	~
END MILL (4F)	3X3X100XS3	●	●	●	~
END MILL (2F/4F)	4X4X75	●	●	●	~
END MILL (4F)	4X4X50	●	●	●	●
ENDMILL (4F)	4x4x100	●	●	●	~
ENDMILL (4F)	5X5X50XS5	●	●	●	●
ENDMILL (4F)	5X5X75	●	●	●	~
ENDMILL (4F)	5X5X100	●	●	●	~
ENDMILL (4F)	1X6X50XS6	●	●	●	~
ENDMILL (4F)	2X6X50XS6	●	●	●	~
ENDMILL (4F)	3X6X50XS6	●	●	●	~
ENDMILL (4F)	3.5X6X50XS6	●	●	●	~
ENDMILL (4F)	4X6X50XS6	●	●	●	~
END MILL (4F)	4.5X6X50XS6	●	●	●	~
ENDMILL (4F)	4X6X75XS6	●	●	●	~
ENDMILL (4F)	5X6X50XS6	●	●	●	~
ENDMILL (4F)	6x6x50	●	●	●	●

NAME	ITEM	45HRC (UNI-ECO)	55HRC (UNI-SS)	65 HRC (UNI - PRE)	UNCOATED (UNI-AL)
ENDMILL (4F)	6x6x75	●	●	●	●
ENDMILL (4F)	6x6x100	●	●	●	~
ENDMILL (4F)	6x6x150	●	●	●	~
ENDMILL (4F)	8x8x60	●	●	●	●
ENDMILL (4F)	8X8X75	●	●	●	●
ENDMILL (4F)	8x8x100	●	●	●	~
ENDMILL (4F)	8X8X150	●	●	●	~
ENDMILL (4F)	10x10x75	●	●	●	●
ENDMILL (4F)	10x10x100	●	●	●	~
ENDMILL (4F)	10x10x150	●	●	●	~
ENDMILL (4F)	10x10x200	●	●	●	~
ENDMILL (2F)	12x12x75	●	●	●	●
ENDMILL (4F)	12x12x75	●	●	●	~
ENDMILL (4F)	12x12x100	●	●	●	~
ENDMILL (4F)	12x12x150	●	●	●	~
ENDMILL (4F)	12x12x200	●	●	●	~
ENDMILL (4F)	14x14x100	●	●	~	~
ENDMILL (4F)	16X16X100	●	●	●	●
ENDMILL (4F)	18x18x100	●	●	●	~
ENDMILL (4F)	16x16x150	●	●	~	~
ENDMILL (4F)	20x20x100	●	●	●	~
ENDMILL (4F)	20x20x150	●	●	●	~
ENDMILL (4F)	20x20x200	●	●	~	~
BALLNOSE (4F)	R0.5X3X50XS3	●	●	●	●
BALLNOSE (4F)	R0.5X4X50XS4	●	●	●	●
BALLNOSE (4F)	R0.75X4X50XS4	●	●	~	●
BALLNOSE (4F)	R0.75X3X50XS3	●	●	~	~
BALLNOSE (4F)	R1.0X3X50XS3	●	●	●	~
BALLNOSE (4F)	R1.0X4X50XS4	●	●	●	●
BALLNOSE (4F)	R1.25X3X50XS3	●	●	~	~

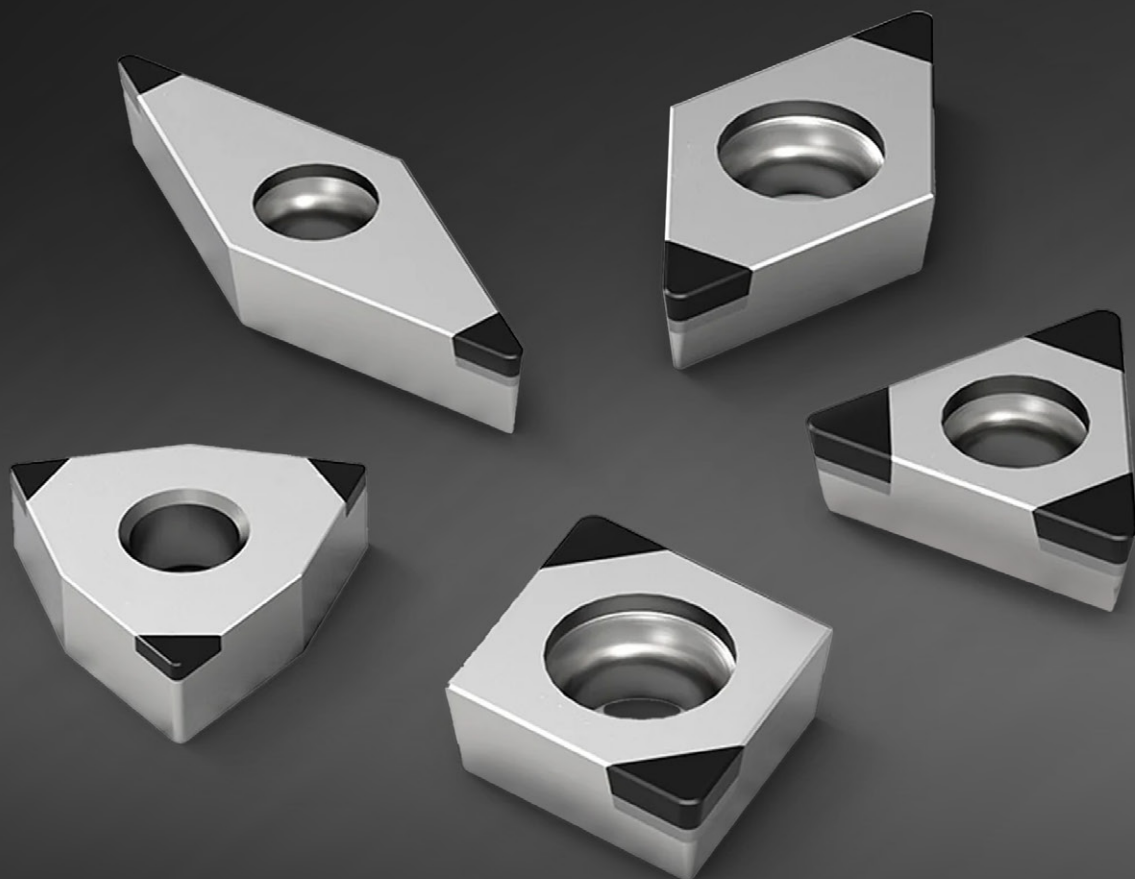
SOLID CARBIDE

NAME	ITEM	45HRC (UNI-ECO)	55HRC (UNI-SS)	65 HRC (UNI - PRE)	UNCOATED (UNI-AL)
BALLNOSE (4F)	R1.25X4X50XS4	●	●	~	~
BALLNOSE (4F)	R1.5X3X50XS3	●	●	●	~
BALLNOSE (4F)	R1.5X4X50XS4	●	●	●	●
BALLNOSE (4F)	R1.5X3X75XS3	●	●	~	~
BALLNOSE (4F)	R1.5X3X100XS3	●	●	~	~
BALLNOSE (4F)	R2.0X4X50	●	●	●	●
BALLNOSE (4F)	R2.0X4X75	●	●	●	~
BALLNOSE (4F)	R2.0x4x100	●	●	~	~
BALLNOSE (4F)	R2.5X5X50XS5	●	●	●	~
BALLNOSE (4F)	R2.5X5X75	●	●	●	~
BALLNOSE (4F)	R2.5X5X100	●	●	~	~
BALLNOSE (4F)	R1.5X6X50XS6	●	●	●	●
BALLNOSE (4F)	R2.0X6X50XS6	●	●	~	~
BALLNOSE (4F)	R3.0x6x50	●	●	●	●
BALLNOSE (4F)	R3.0x6x75	●	●	~	~
BALLNOSE (4F)	R3.0x6x100	●	●	●	~
BALLNOSE (4F)	R3.0x6x150	●	●	~	~
BALLNOSE (4F)	R4.0x8x60	●	●	●	●

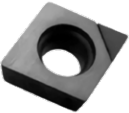
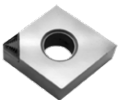
NAME	ITEM	45HRC (UNI-ECO)	55HRC (UNI-SS)	65 HRC (UNI - PRE)	UNCOATED (UNI-AL)
BALLNOSE (4F)	R4.0X8X75	●	●	●	~
BALLNOSE (4F)	R4.0x8x100	●	●	●	●
BALLNOSE (4F)	R4.0X8X150	●	●	●	~
BALLNOSE (4F)	R5.0x10x75	●	●	●	●
BALLNOSE (4F)	R5.0x10x100	●	●	●	~
BALLNOSE (4F)	R5.0x10x150	●	●	●	~
BALLNOSE (4F)	R5.0x10x200	●	●	●	~
BALLNOSE (4F)	R6.0x12x75	●	●	●	●
BALLNOSE (4F)	R6.0x12x100	●	●	●	~
BALLNOSE (4F)	R6.0x12x150	●	●	~	~
BALLNOSE (4F)	R6.0x12x200	●	●	~	~
BALLNOSE (4F)	R8.0X16X100	●	●	●	●
BALLNOSE (4F)	R8.0x16x150	●	●	~	~
BALLNOSE (4F)	R8.0x16x200	~	~	~	~
BALLNOSE (4F)	R10.0x20x100	~	~	~	●
BALLNOSE (4F)	R10.0x20x150	~	~	~	~
BALLNOSE (4F)	R10.0x20x200	~	~	~	~
BALLNOSE (4F)	R12.5x25x100	●	●	●	●

UNITEC



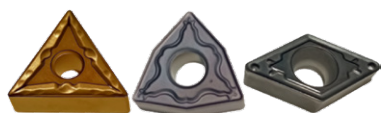
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PCD INSERTS

INSERTS	DESIGNATION	UT923
	APMT 160402	UN 200
	APMT 160404	UN 200
	APMT 160408	UN 200
	APMT 1135	UN 200
	CCGW 060202	UN 200
	CCGW 060204	UN200
	CCGW 060208	UN 200
	CCMW 09T302	UN 200
	CCMW 09T304	UN 200
	CCMW 09T308	UN 200
	CCMW 120402	UN 200
	CCMW 120404	UN 200
	CNMG 120402	UN 200
	CNMG 120404	UN 200
	CNMG 120408	UN 200
	DCMW 070202	UN 200
	DCMW 070204	UN 200
	DCMW 070208	UN 200
	DCMW 11T302	UN 200
	DCMW 11T304	UN 200
	DCMW 11T308	UN 200
	DNMG 150602	UN 200
	DNMG 150604	UN 200
	MGMN 150	UN 200
	MGMN 200	UN 200
	MGMN 250	UN 200
	MGMN 300	UN 200
	MGMN 400	UN 200
	MGMN 500	UN 200

INSERTS	DESIGNATION	UT923
	SEKT 1204	UN 200
	SNEW 09T3 PDFR R1	UN 200
	SNEW 09T3 PDTR	UN 200
	SNEW 1204 PDTR	UN 200
	TCMW 090202	UN 200
	TCMW 090204	UN 200
	TCMW 090208	UN 200
	TCMW 110202	UN 200
	TCMW 110204	UN 200
	TCMW 110208	UN 200
	TDC 2	UN 200
	TDT 3	UN 200
	TDT 4	UN 200
	TNMG 160402	UN 200
	TNMG 160404	UN 200
	TNMG 160408	UN 200
	VBMW 110302	UN 200
	VBMW 110304	UN 200
	VBMW 110308	UN 200
	VBMW 160402	UN 200
	VBMW 160404	UN 200
	VBMW 160408	UN 200
	VCMW 160402	UN 200
	WNMG 080402	UN 200
	WNMG 080404	UN 200

COMPARISON

MACHINING TYPE	STEEL 	STAINLESS STEEL 	CAST IRON 	NONFERROUS 
MILLING 	UT925	UT927	UT925	UN07
	UT923	UT925		
		UT923		
DRILLING 	UT921	UT923	UT925	UN07
	UT925	UT925		
		UT927		
GROOVING AND PARTING 	UT923	UT923	UT925	UN07
	UT925	UT925		
		UT927		
TURNING 	UC70	UM5625	UK3030	UN07
	UP1225	UM5825		
	UP1425	UT927		
	YC1125			
BTA 	UT927	UT925	UT927	
	UT929	UT927		

NOTES

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Lined area for notes.

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UNITEC



UNITEC

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