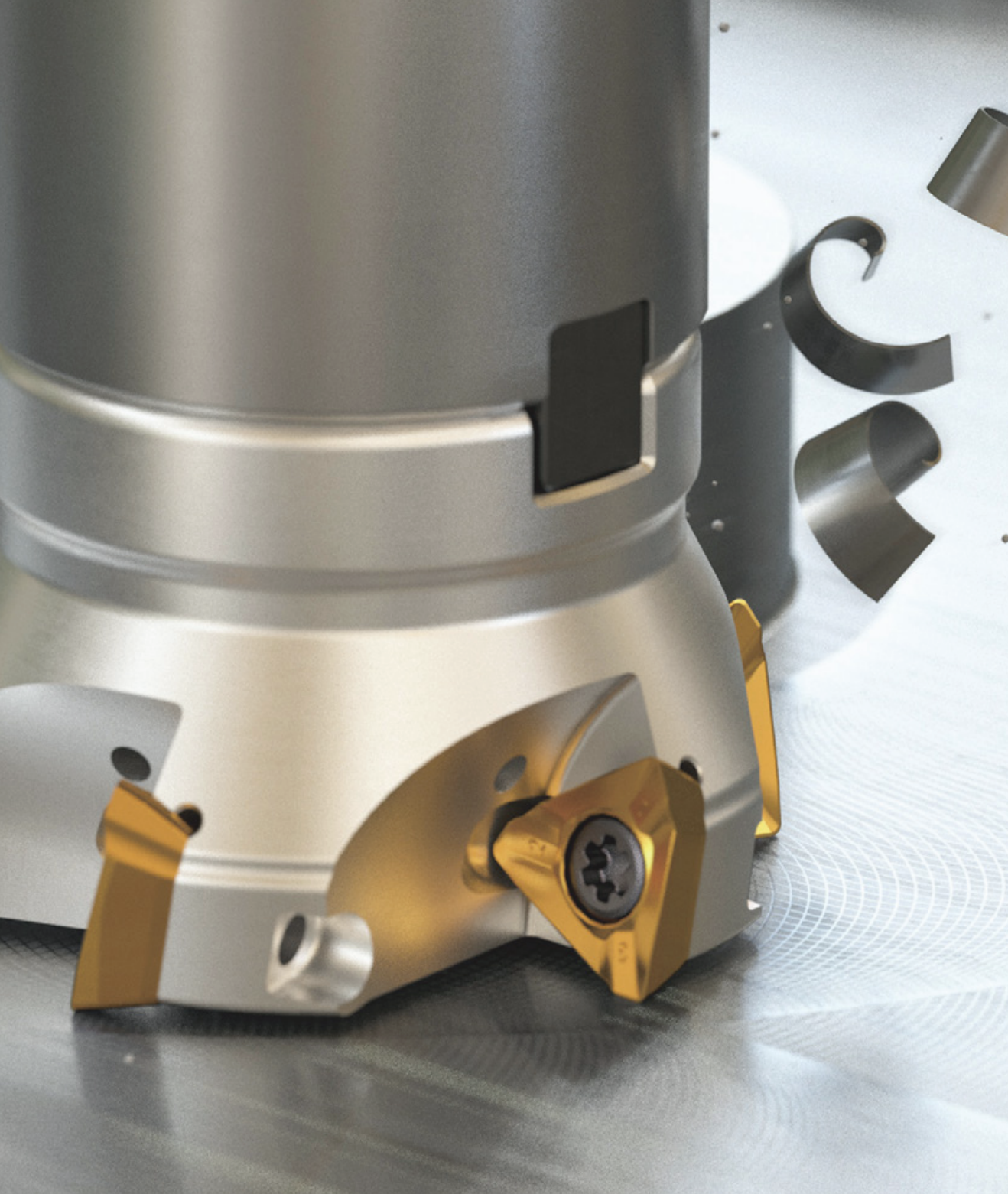




MILLING

Product Overview

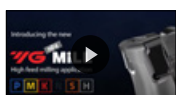
Application Guide

Milling Inserts Overview

Milling Cutter Overview

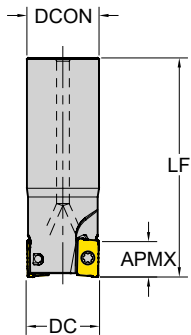


Scan this QR code
to see our
YG SM3 Mill
at work.

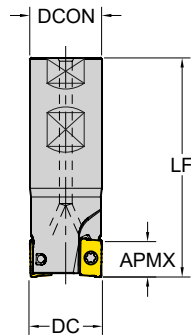


Scan this QR code
to see our
YG HF4 Mill
at work.

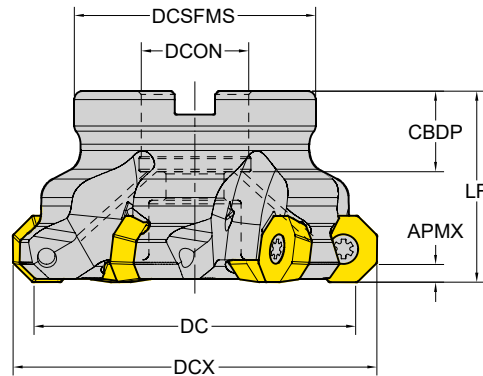
Code Keys - Milling Cutters



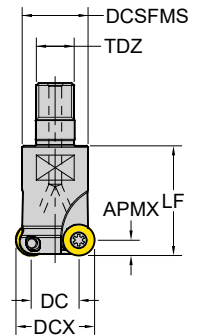
<C> Cylindrical



<W> Weldon



<S> Shellmill



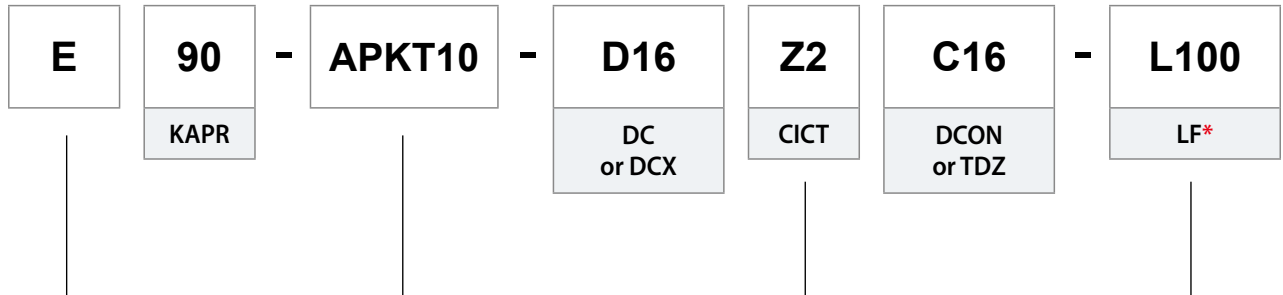
<M> Modular

Entering Cutting Angle
(90°)

Cutter Diameter
(Ø16)

Connection Type and Size

C - Cylindrical W - Weldon
S - Shellmill M - Modular
(Cylindrical Ø16)



* Shank Type Only

Cutter Type
E - Endmill Type
F - Facemill Type
M - Modular Type

Insert Series
(APKT 10)

Number of Teeth
(Z=2)

Functional Length
(100mm)

1

A

Shape

2

PRelief Angle
(AN)

3

K

Tolerance

4

TClamping &
Chipbreaker

5

16Insert
Size

6

04Insert Thickness
(S)

7

08

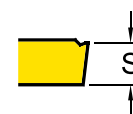
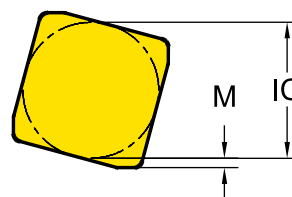
Corner Radius

1 - Shape

Symbol	Shape	
H	Hexagonal	
O	Octagonal	
P	Pentagonal	
S	Square	
T	Triangular	
W	Trigon	
L	Rectangular	
A	Parallelogram 80°	
R	Round	

2 - Relief Angle (AN)

Symbol	Relief Angle (AN)	
N	No Relief Angle	
B	Relief 5°	
C	Relief 7°	
P	Relief 11°	
D	Relief 15°	
E	Relief 20°	
F	Relief 25°	
O	Special	

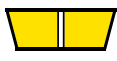
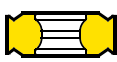


3 - Tolerance Class

Symbol	Inner Circle IC (mm)	Nose Height M (mm)	Thickness S (mm)
C	± 0.025	± 0.013	± 0.025
E	± 0.025	± 0.025	± 0.025
G	± 0.025	± 0.025	± 0.13
H	± 0.013	± 0.013	± 0.025
K*	± 0.05~0.15*	± 0.013	± 0.025
M*	± 0.05~0.15*	± 0.08~0.2*	± 0.13
U*	± 0.08~0.25*	± 0.13~0.38*	± 0.13

* Tolerance is different by insert IC size. Please see ISO 1832

4 - Clamping & Chipbreaker

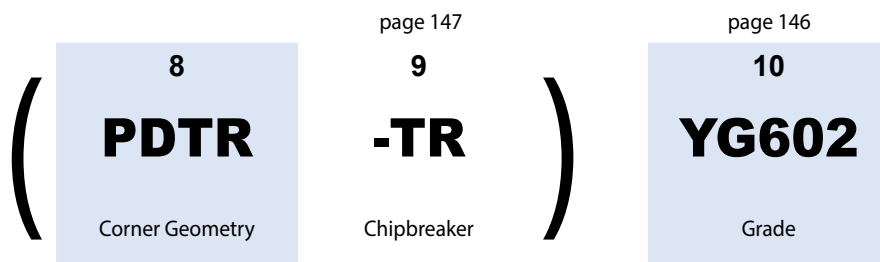
Symbol	Clamping	Chipbreaker	Figure
N	No clamping hole	X	
R		One Face	
W	Screw Hole	X	
T		One Face	
U		Both Faces	
X	Special		

5 - Insert Size

* No Standard for milling insert size

6 - Insert Thickness

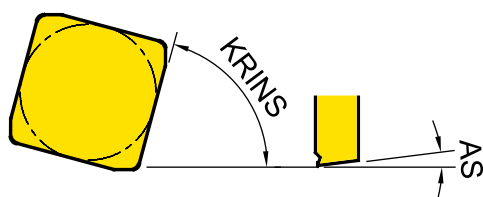
* No Standard for milling insert thickness



7 - Corner Radius (RE)

Symbol	Corner Radius - RE(mm)	Symbol	Corner Radius - RE(mm)
04	0.4	16	1.6
08	0.8	20	2.0
12	1.2	24	2.4

8 - Corner Geometry



8-1	8-2	8-3	8-4
P	D	T	R
Cutting Edge Angle (KRINS)	Wiper Edge Clearance (AS)	Edge Condition	Feed Direction

*Refer to page. 147 for -AL, -ST, -TR... types

8-1 - Cutting Edge Angle (KRINS)

Symbol	Cutting Edge Angle (KRINS)
P	90°
A	45°
D	60°
E	75°
F	85°
Z	Special

8-3 - Edge Condition

Symbol	Edge Condition
F	Sharp 
E	Round 
T	Chamfer 
S	Chamfer and Round 

8-2 - Wiper Edge Clearance (AS)

Symbol	Wiper Edge Clearance (AS)
N	0°
P	11°
D	15°
E	20°
F	25°
Z	Special

8-4 - Feed Direction

Symbol	Feed Direction
R	Right-hand Insert 
N	Neutral Insert 
L	Left-hand Insert 

Milling Grades and Chipbreakers

Milling Grades

Milling Grades	P Steel					M Stainless steel				K Cast iron				N Non-ferrous				S Super alloys				H Hardened Steel			
	P05	P15	P25	P35	P45	M05	M15	M25	M35	K05	K15	K25	K35	N05	N15	N25	N35	S05	S15	S25	S35	H05	H15	H25	H35
PVD	YG012	012																				012			
	YG712	712																							
	YG713	713																							
	YG612		612					612											612						
	YG622		622							622															
	YG602		602					602		602									602						
	YG613			613				613																	
	YG501									501															
	YG904																			904					
CVD	YG5020									5020															
Uncoated	YG50													50											

TECHNICAL INFORMATION	YG012 H10 - H30 P10 - P30	 PVD - TiAlN	Optimized Milling Grade for Pre-Hardened & Hardened steel - Applied Extreme Oxidation PVD layer and Crack-free Substrate - Excellent Cutting performance for Die & Mold application
	YG712 P10 - P30	 PVD - TiAlCrN	Milling Grade for Medium of Steel Application - Superior wear resistance and excellent toughness in high speed machining - Coating layer with high hardness and oxidation resistance
	YG713 P15 - P25	 PVD - TiAlN	Milling Grade for General Steel Application - Multi-layer TiAlN structure realizes stronger crater and flank wear resistance - Fine-grained carbide and balanced substrate
	YG622 P20 - P35 K20 - K40	 PVD - AlCrN	Optimized Grade for High Alloyed or Prehardened Steel Excellent for High Temperature Hardness and Oxidation Resistance at High Speed
	YG612 P20 - P40 M20 - M40 S20 - S40	 PVD - TiAlN	Specialized Multi-Nano Coated Grade with high wear resistance and chipping resistance - Special Multi-Nano coating prevent crack and providing predictable tool life - Special universal Grade can achieve stable tool life in any workpiece
	YG602 P20 - P35 K20 - K40 M20 - M40 S15 - S25	 PVD - TiAlN	Universal grade for General Milling Application - Ultra Dense PVD Coating with optimal thermal resistance & strength - Sub-Micron substrate designed for demanding application

Milling Grades and Chipbreakers

Milling Grades

YG613 P30 - P50 M30 - M40	 PVD - TiAlN	Milling Grade for Stainless Steel Application • New coating layer with lubrication preventing built-up edge on ultra fine grain substrate with high toughness. • The toughest substrate provides excellent cutting performance in stainless steel
YG501 K05 - K25	 PVD - TiAlN	Hard Milling grade for Cast Iron • Substrate especially designed for high wear resistance • Excellent wear resistance in cast iron milling application
YG5020 K01 - K30	 CVD - TiCN - Al ₂ O ₃	CVD Milling grade for Cast Iron • CVD coating for Excellent wear resistance • Improved Toughness for chipping resistance
NEW YG904 S30 - S45	 PVD - TiAlN	Excellent performance for machining HRSA(Heat resistant super alloys) • Newly developed substrate improves resistance to chipping and breakage • High-performance PVD coating technology ensures excellent wear resistance for machining HRSA
YG50 N05 - N20	 Uncoated	Uncoated Milling Grade for Aluminium • Submicron carbide substrate for high wear resistance • Preventing built up edge with shining surface

Milling Chipbreakers

-AL		• For Aluminum • Very Sharp Geometry
-ST		• For Stainless Steel, Super Alloy • Sharp Geometry
-GN (General Type)		• First Choice for General Application
-TR		• For Hardened Steels • Reinforced Geometry
...W / ...N		• For Hardened Material and Cast Irons

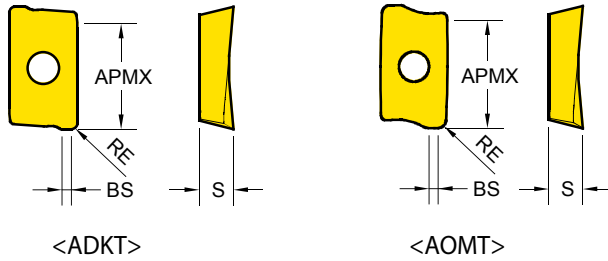
Milling Inserts Overview

Recommended Cutting Conditions : p.259

A 2 Corners	Positive		ADKT	ADKT 1505	p. 171
			AOMT	AOMT 1236	p. 171
			APGT	APGT 1003, 1604	p. 172
			APKT	APKT 1003, 1604	p. 173
			APMT	APMT 1135, 1504, 1604	p. 174
E 4 Corners	Negative		ENMX	ENMX 0402 NEW ENMX 0604 ENMX 0905	p. 175
L 4 Corners	Tangential Milling Negative		LNHU / LNKU NEW	LNHU 1306 LNKU 1306	p. 177
O Octagon	Positive		ODMT / ODMW	ODMT / ODMW 0605	p. 178
	Negative		OFER	OFER 0704	p. 179
			OFMT	OFMT 05T3	
			ONMU / ONHU	ONMU / ONHU 0806	p. 180
P 10 Corners	Negative		PNMU	PNMU1206	p. 181
R Round	Positive Round		RDKT / RDKW	RDKT 0802, 10T3, 1204, 1604 RDKW 0501, 0702, 0802, 10T3, 1204	p. 182
			RDMT / RDMW	RDMT 0802, 0803, 10T3, 1204 RDMW 0802, 10T3, 1204	p. 183
			RPMX NEW	RPMX 08T2, 10T3, 1204	p. 184
			RPMT / RPMW	RPMT 08T2, 10T3, 1204 RPMW 1003, 1204	p. 185
S Square	High Feed		SDMT / SDMW	SDMT 1204, SDMW 1204	p. 187
	Positive		SDCN (45°) / SDKN	SDKN, SDCN 1203, 1504	p. 186
			SEGT	SEGT12T3, 1204	p. 188
			SEKR (45°) / SEKN	SEKR, SEKN 1203	p. 191
			SEKT	SEKT 12T3, 1204	p. 189
			SEMT	SEMT1204, 13T3	p. 190
			SPMT	SPMT 1204	p. 195
	Negative		SNGX NEW	SNGX1206	p. 192
			SNMX	SNMX1206	p. 193
	ISO		SPCN(75°) / SPKN / SPKR'	SPKN 1203, 1504 SPKR 1203 SPCN 1203, 1504	p. 194
			SPUN	SPUN 1203	p. 196
	T Triangle	Positive 3 Corners		TPCT NEW	TPCT 0703, 1104, 1605
TPKT				TPKT 0703, 1104, TPKT 1605	p. 198
ISO			TPCN(90°) / TPKN / TPKR	TPKN 1603, 2204 TPKR 1603, 2204 TPCN 2204	p. 199
			TPUN	TPUN 1603	p. 200
W Trigon	Negative 6 Corners		WNEX	WNEX 0403, 0806 NEW	p. 201

Milling - Shoulder Milling - Inserts

ADKT / AOMT - Shoulder Milling Positive (2 Corners)



Series	APMX	IC	S
ADKT 1505	14	9.7	5.8
AOMT 1236	11	6.6	3.6

EDP 1200.. ●: Stock item ○: Order made item

	ADKT	Designation	RE (mm)	Fz (mm/tooth)	BS (mm)	APMX (mm)	H20	P15	P25	P30	P30	P30	P40	K10	K15	S40
							P20			K30	M30 S30	M30	M40 S40			
							YG012	YG712	YG713	YG622	YG612	YG602	YG613	YG5020	YG501	YG904
	ADKT General	ADKT 150508 PDTR	0.8	0.05 - 0.24	1.87	14.0	● 0913				● 1053	● 0220				
		ADKT 150516 PDTR	1.6	0.05 - 0.24	1.73	14.0	● 0916					● 0755				
		ADKT 150524 PDTR	2.4	0.05 - 0.24	1.20	14.0	● 0917					● 0756				
		ADKT 150532 PDTR	3.2	0.05 - 0.24	0.30	14.0	● 0918					● 0757				
	AOMT General															
		AOMT 123604 PDTR	0.4	0.05 ~ 0.14	1.07	11.0						● 0217				
		AOMT 123608 PDTR	0.8	0.05 ~ 0.14	0.91	11.0	○ 0912					● 0218	● 0613			

TURNING

PARTING & GROOVING

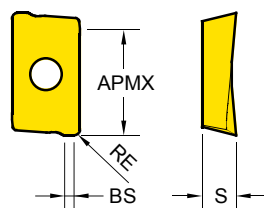
MILLING

DRILLING

TECHNICAL INFORMATION

Milling - Shoulder Milling - Inserts

APGT - Shoulder Milling Positive (2 Corners)

Refer to
Milling Cutter
p. 204 - 207


Series	APMX	IC	S
APGT 1003	9	6.7	3.6
APGT 1604	14	9.4	5.3

EDP 1200.. ●: Stock item ○: Order made item

APGT	Designation	RE (mm)	Fz (mm/tooth)	BS (mm)	APMX (mm)	H20	P15	P25	P30	P30	P30	P40	K10	K15	N15
						P20			K30	M30 S30	M30	M40 S40			
-AL Aluminium	APGT 100305 - AL	0.5	0.05-0.25	1.4	9.0	YG012	YG712	YG713	YG622	YG612	YG602	YG613	YG5020	YG501	YG50
															● 0730
	APGT 160408 - AL	0.8	0.05-0.25	1.7	14.0										● 0428
	APGT 160430 - AL	3.0	0.05-0.25	0.2	14.0										● 0798



TURNING

PARTING & GROOVING

MILLING

DRILLING

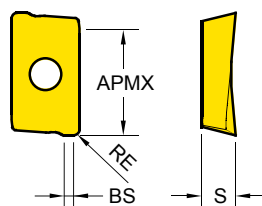
TECHNICAL INFORMATION

Milling - Shoulder Milling - Inserts

APKT - Shoulder Milling Positive (2 Corners)



Refer to
Milling Cutter
p.204 - 207



Series	APMX	IC	S
APKT 1003	9	6.7	3.6
APKT 1604	14	9.4	5.3

EDP 1200.. ●: Stock item ○: Order made item

APKT	Designation	RE (mm)	Fz (mm/tooth)	BS (mm)	APMX (mm)	H20	P15	P25	P30	P30	P30	P40	K10	K15	S40
						P20			K30	M30	M30	M40			
						YG012	YG712	YG713	YG622	YG612	YG602	YG613	YG5020	YG501	YG904
APKT General	APKT 100305 PDTR	0.5	0.05 - 0.24	0.86	9.0	● 0749		○ 0638	○ 0429	● 0818	● 0005	● 0672			● 1183
	APKT 100308 PDTR	0.8	0.05 - 0.24	0.90	9.0	● 0750		○ 0632	○ 0430	● 0819	● 0004	● 0610			
	APKT 100316 PDTR	1.6	0.05 - 0.24	1.03	9.0					● 0975	● 0713	● 0714			
	APKT 160404 PDTR	0.4	0.05 - 0.25	1.11	14.0			○ 0656		● 0828	● 0003	● 0673			
	APKT 160408 PDTR	0.8	0.05 - 0.25	1.32	14.0	● 0797		○ 0633	○ 0767	● 0820	● 0001	● 0607		● 0796	● 1180
	APKT 160412 PDTR	1.2	0.05 - 0.25	1.13	14.0			○ 0649		● 0980	● 0002				
	APKT 160416 PDTR	1.6	0.05 - 0.25	1.13	14.0			○ 0661		● 0979	● 0006	● 1013			
	APKT 160424 PDTR	2.4	0.05 - 0.25	1.2	14.0			○ 0653		● 0836	● 0255	● 1014			
	APKT 160432 PDTR	3.2	0.05 - 0.25	0.4	14.0	● 0870				● 0977	● 0738				
-ST Stainless Steel Super Alloy	APKT 100305 - ST	0.5	0.05 - 0.12	0.86	9.0					● 0834	● 0278	● 0618			● 1182
	APKT 100312 - ST	1.2	0.05 - 0.12	1.32	9.0					● 0981		● 0776			
	APKT 100316 - ST	1.6	0.05 - 0.12	1.03	9.0					● 0982		● 0719			
	APKT 160408 - ST	0.8	0.05 - 0.12	1.32	14.0					● 0835	● 0270	● 0617			● 1181
-TR Hardened Steel	APKT 160404 - TR	0.4	0.05 - 0.40	2.12	14.0				○ 0505	● 0970	● 0492				
	APKT 160408 - TR	0.8	0.05 - 0.40	1.32	14.0	● 0746	● 0471	○ 0637	○ 0337	● 0821	● 0256				
	APKT 160412 - TR	1.2	0.05 - 0.40	2.40	14.0	● 0914			○ 0523	● 0829	● 0493				
	APKT 160416 - TR	1.6	0.05 - 0.40	2.40	14.0	● 0747			○ 0524	● 0969	● 0472				
	APKT 160424 - TR	2.4	0.05 - 0.40	1.50	14.0	● 0748			○ 0520	● 0971	● 0494				

TURNING

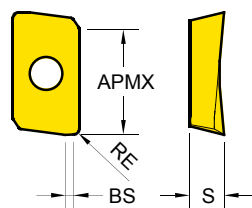
PARTING & GROOVING

MILLING

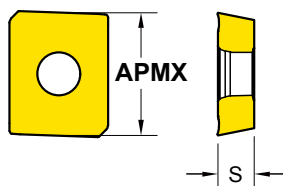
DRILLING

TECHNICAL INFORMATION

Milling - Shoulder Milling - Inserts

APMT - Shoulder Milling Positive (2 Corners)


<APMT>



<APMT 1504>

Series	APMX	IC	S
APMT 1135	9	6.2	3.50
APMT 1604	14	9.2	4.76
APMT 1504	14	12.7	4.76

EDP 1200.. ●: Stock item ○: Order made item

H20	P15	P25	P30	P30	P30	P40	K10	K15	S40
P20			K30	M30	M30	M40			
			S30	S30	S30	S40			
YG012	YG712	YG713	YG622	YG612	YG602	YG613	YG5020	YG501	YG904
● 0752		○ 0655	○ 0400	● 0940	● 0009	● 0669			
		○ 0654		● 0941	● 0010	● 0668			
● 0751	● 0423	○ 0642	○ 0399	● 0939	● 0008	● 0663		● 0464	
			○ 0445	● 0838	● 0276	● 0777			

APMT

Designation

RE
(mm)

Fz
(mm/tooth)

BS
(mm)

APMX
(mm)

APMT
General


APMT 113504 PDTR	0.4	0.05-0.24	1.26	9.0
APMT 113508 PDTR	0.8	0.05-0.24	1.07	9.0
APMT 160408 PDTR	0.8	0.05-0.24	1.11	14.0

APMT 1504
General

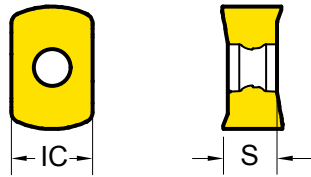

APMT 1504	-	0.05-0.24	-	
-----------	---	-----------	---	--

Milling - High Feed Milling - Inserts

ENMX - High Feed Negative (4 Corners)



Refer to
Milling Cutter
p.208 - 210



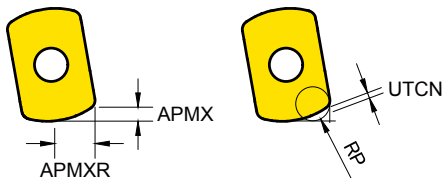
Series	IC	S
ENMX 0402	4.0	2.35
ENMX 0604	6.3	4.21
ENMX 0905	9.0	5.40

EDP 1200.. ●: Stock item ○: Order made item

	ENMX	Designation	RE (mm)	Fz (mm/tooth)	BS (mm)	APMX (mm)	H20	P15	P25	P30	P30	P30	P40	K10	K15	S40
							P20	YG712	YG713	YG622	YG612	YG602	YG613	YG5020	YG501	YG904
ENMX General		ENMX 0604	0.8	0.3 - 2.0	-	1.0	● 0734				● 0822	● 0474	● 0606			● 1186
		ENMX 0905	1.0	0.3 - 2.5	-	1.5	● 0736				● 0824	● 0702	● 0703			
- ST Stainless Steel		ENMX 0402 - ST	0.5	0.2 - 0.8	-	0.5					● 1064		● 1065			
		ENMX 0604 - ST	0.8	0.1 - 0.8	-	1.0					● 0973	● 0623	● 0625			● 1184
		ENMX 0905 - ST	1.0	0.2 - 1.2	-	1.5					● 0974	● 0705	● 0706			● 1187
- TR Hardened Steel		ENMX 0402 - TR	0.5	0.2 - 1.3	-	0.5	● 1060	● 1062			● 1059		● 1061			
		ENMX 0604 - TR	0.8	0.3 - 2.5	-	1.0	● 0733	● 0504	○ 0636		● 0823	● 0459				● 1185
		ENMX 0905 - TR	1.0	0.3 - 3.0	-	1.5	● 0735				● 0825	● 0600	● 0874			

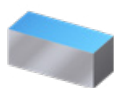
ENMX - High Feed Negative (4 Corners) Technical Information

ENMX 0402



APMXR Radial AP Max
0.5

RP Programmed Corner R	UTCN Uncut Thickness	Overcut
0.8	0	0.25
0.9	0	0.22
1	0.01	0.19



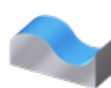
General



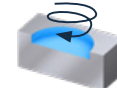
Plunging



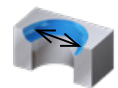
Ramping



Profiling



Helical Interpolation

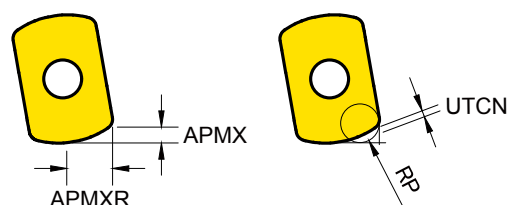


Enlarge Hole

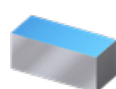
DCX External Cutter Diameter	APMX Maximum Depth of Cut	APMXR Maximum Radial Depth of Cut	RMPX Maximum Ramping Angle(°)	RP Programmed Corner Radius	UTCN Uncut Thickness	Diameter Maximum Cutting Diameter	Pitch Helical Interpolation Pitch	Diameter Minimum Cutting Diameter	Pitch Helical Interpolation Pitch	Ae Enlarge Width
8	0.5	2.4	0.5	0.9	0.22	16	0.2	11.6	0.1	5.6
10	0.5	2.4	0.7	0.9	0.22	20	0.4	15	0.2	7.6
11	0.5	2.4	0.7	0.9	0.22	22	0.4	16.8	0.2	8.6
12	0.5	2.4	1	0.9	0.22	24	0.5	18.4	0.4	9.6
13	0.5	2.4	1.1	0.9	0.22	26	0.5	20	0.5	10.6
16	0.5	2.4	1	0.9	0.22	32	0.5	25.7	0.5	13.6
17	0.5	2.4	1	0.9	0.22	34	0.5	27.6	0.5	14.6
20	0.5	2.4	0.9	0.9	0.22	40	0.5	33.6	0.5	17.6
21	0.5	2.4	0.7	0.9	0.22	42	0.5	35.6	0.5	18.6
25	0.5	2.4	0.7	0.9	0.22	50	0.5	43.4	0.5	22.6
32	0.5	2.4	0.5	0.9	0.22	64	0.5	57.4	0.5	29.6

ENMX 0604

Unit: mm



DCX Cutting Diameter Maximum	APMXR Radial AP Max	RP Programmed Corner R	UTCN Uncut Thickness	Overcut
16	3.5	R2.0	0.31	0.00
16~	3.7	R2.5	0.18	0.18
		R3.0	0.07	0.36



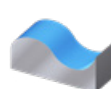
General



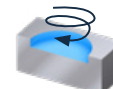
Plunging



Ramping



Profiling



Helical Interpolation

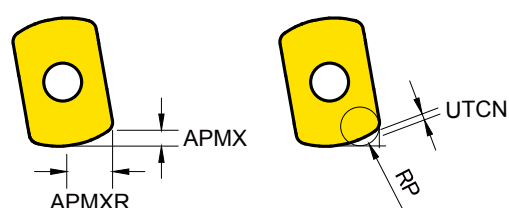


Enlarge Hole

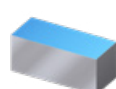
DCX External Cutter Diameter	APMX Maximum Depth of Cut	APMXR Maximum Radial Depth of Cut	RMPX Maximum Ramping Angle(°)	RP Programmed Corner Radius	UTCN Uncut Thickness	Diameter Minimum Cutting Diameter	Diameter Maximum Cutting Diameter	Pitch Helical Interpolation Pitch	Ae Enlarge Width
16	0.9	3.5	2.4°	2.0	0.3	22	32	0.9	12.5
17	0.9	3.5	1.9°	2.0	0.3	24	34	0.9	13.5
20	1	3.7	1.8°	2.0	0.31	29	40	1	16.3
21	1	3.7	1.8°	2.0	0.31	31	42	1	17.3
25	1	3.7	1.2°	2.0	0.31	39	50	1	21.3
26	1	3.7	1.2°	2.0	0.31	41	52	1	22.3
32	1	3.7	0.8°	2.0	0.31	53	64	1	28.3
33	1	3.7	0.8°	2.0	0.31	55	66	1	29.3
40	1	3.7	0.6°	2.0	0.31	69	80	1	36.3
50	1	3.7	0.5°	2.0	0.31	89	98	1	46.3
63	1	3.7	0.4°	2.0	0.31	115	126	1	59.3

ENMX 0905

Unit: mm



APMXR Radial AP Max	RP Programmed Corner R	UTCN Uncut Thickness	Overcut
4.7	R2.5	0.56	0
	R3.0	0.40	0.10
	R3.5	0.24	0.25
	R4.0	0.10	0.41
	R4.5	0	0.49



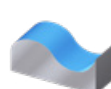
General



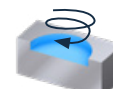
Plunging



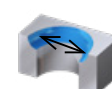
Ramping



Profiling



Helical Interpolation



Enlarge Hole

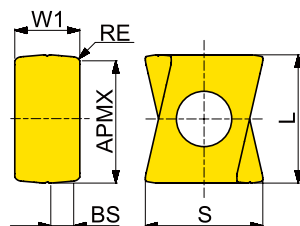
DCX External Cutter Diameter	APMX Maximum Depth of Cut	APMXR Maximum Radial Depth of Cut	RMPX Maximum Ramping Angle(°)	RP Programmed Corner Radius	UTCN Uncut Thickness	Diameter Minimum Cutting Diameter	Diameter Maximum Cutting Diameter	Pitch Helical Interpolation Pitch	Ae Enlarge Width
25	1.5	5	3.8°	2.5	0.56	42	50	1.5	20
26	1.5	5	3.4°	2.5	0.56	44	52	1.5	21
32	1.5	5	2.3°	2.5	0.56	56	64	1.5	27
33	1.5	5	2.2°	2.5	0.56	58	66	1.5	28
40	1.5	5	1.6°	2.5	0.56	72	80	1.5	35
50	1.5	5	1.1°	2.5	0.56	92	100	1.5	45
63	1.5	5	0.8°	2.5	0.56	118	126	1.5	57
80	1.5	5	0.6°	2.5	0.56	152	160	1.5	74

Milling - Shoulder Milling - Inserts

LNHU, LNKU - Tangential Milling Negative (4 Corners)



Refer to
Milling Cutter
p.211



Series	W1	L
LN*U 1306	6.7	13.2

EDP 1200.. ●: Stock item ○: Order made item

LNHU	Designation	RE (mm)	Fz (mm/tooth)	BS (mm)	APMX (mm)	H20	P15	P25	P30	P30	P30	P40	K10	K15	S40
						P20	YG712	YG713	YG622	YG612	YG602	YG613	YG5020	YG501	YG904
NEW LNHU General	LNHU130608R	0.8	0.05-0.3	2.09	12.0	● 0905				● 0723	○ 0640	● 0724	● 0725		



LNKU	Designation	RE (mm)	Fz (mm/tooth)	BS (mm)	APMX (mm)	YG012	YG712	YG713	YG622	YG612	YG602	YG613	YG5020	YG501	YG904
						● 0906				● 0740		● 0741	● 0742	● 0935	
NEW LNKU General	LNKU130608R	0.8	0.05-0.3	2.09	12.0	● 0906				● 0740		● 0741	● 0742	● 0935	
	LNKU130612R	1.2	0.05-0.3	1.73	12.0	● 0907				● 0764		● 0765	● 0766	● 0936	
	LNKU130616R	1.6	0.05-0.3	1.59	12.0	● 0919				● 1052			● 0782		



TURNING

PARTING & GROOVING

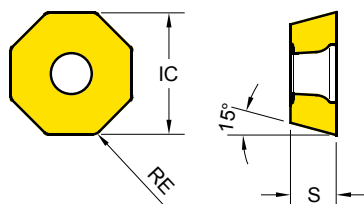
MILLING

DRILLING

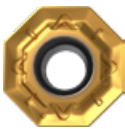
TECHNICAL INFORMATION



Series	IC	S
ODM* 0605	15.9	5.6



EDP 1200.. ●: Stock item ○: Order made item

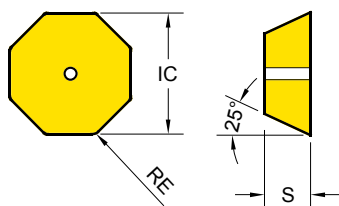
							H20	P15	P25	P30	P30	P30	P40	K10	K15	S40
							P20			K30	M30 S30	M30	M40 S40			
ODMT ODMW	Designation	RE (mm)	Fz (mm/tooth)	BS (mm)	APMX (mm)		YG012	YG712	YG713	YG622	YG612	YG602	YG613	YG5020	YG501	YG904
ODMT General 	ODMT 060508	0.8	0.05-0.30	-	3.5		● 1056	● 0513	○ 0659		● 0830	● 0030	● 0675			
ODMW Hard Materials 	ODMW 060508	0.8	0.05-0.30	-	3.5						● 0942	● 0031				

Milling - Face Milling - Inserts

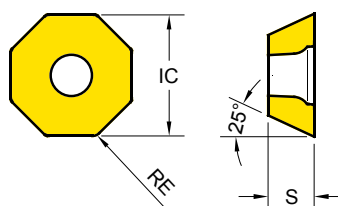
OFER, OFMT - Face Milling Positive (8 Corners)



Refer to
Milling Cutter
p.212



<OFER>



<OFMT>

Series	IC	S
OFER 0704	18.05	4.78
OFMT 05T3	12.73	4.06

EDP 1200.. ●: Stock item ○: Order made item

	H20	P15	P25	P30	P30	P30	P40			
	P20			K30	M30	M30	M40	K10	K15	S40
					S30	M30	S40			
YG012	YG712	YG713	YG622	YG612	YG602	YG613	YG5020	YG501	YG904	
					● 0209					

OFER

Designation

RE
(mm)

Fz
(mm/tooth)

BS
(mm)

APMX
(mm)

OFER 070405

0.5

0.05-0.30

-

5.0

OFER
General



OFMT

Designation

RE
(mm)

Fz
(mm/tooth)

BS
(mm)

APMX
(mm)

OFMT 05T308

0.8

0.05-0.20

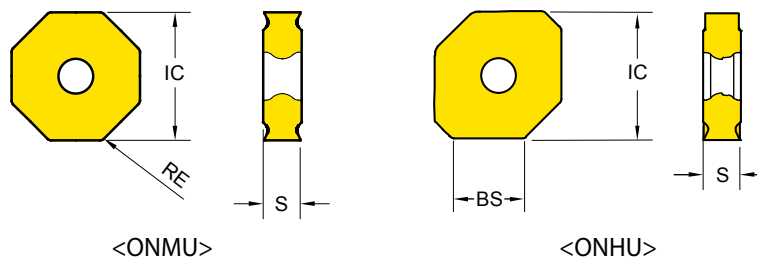
-

3.3

OFMT
General



Series	IC	S
ON*U 0806	20.2	5.8



EDP 1200.. ●: Stock item ○: Order made item

	Designation	RE (mm)	Fz (mm/tooth)	BS (mm)	APMX (mm)	H20	P15	P25	P30	P30	P30	P40	K10	K15	S40
						P20			K30	M30 S30	M30	M40 S40			
ONMU ONHU						YG012	YG712	YG713	YG622	YG612	YG602	YG613	YG5020	YG501	YG904
ONHU Wiper Insert 	ONHU 080612	1.2	0.08-0.25	10.6	5.5					● 0899			● 0482	● 0496	
ONMU General 	ONMU 080608	0.8	0.05-0.35	-	5.5	● 0904	● 0609	○ 0657		● 0960	● 0233	● 0670	● 0414		
	ONMU 080612	1.2	0.05-0.35	-	5.5					● 0898		● 0615	● 0542	● 0871	
	ONMU 080620	2.0	0.05-0.35	-	5.5								● 0707		

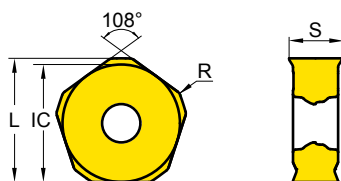
* Wiper Insert can use 4 corners for right handed cutter and 4 corners for left handed cutter

Milling - Face Milling - Inserts

PNMU - Face Milling Negative (10 Corners)



Refer to
Milling Cutter
p.214



Series	KRINS	IC	S
PNMU 1206	36	14.0	5.84

EDP 1200.. ●: Stock item ○: Order made item

							H20	P15	P25	P30	P30	P30	P40	K10	K15	S40
							P20			K30	M30 S30	M30	M40 S40			
PNMU	Designation	RE (mm)	Fz (mm/tooth)	BS (mm)	APMX (mm)	YG012	YG712	YG713	YG622	YG612	YG602	YG613	YG5020	YG501G	YG904	
PNMU General 	PNMU 1206ZNN	0.8	0.05-0.50	2.10	4.0	● 0753	● 0596	○ 0645		● 0826	● 0535	● 0671	● 0534	● 0538		
- ST Stainless Steel Super Alloy 	PNMU 1206-ST	0.8	0.05-0.30	2.10	4.0					● 0978	● 0761	● 0760				

TURNING

PARTING & GROOVING

MILLING

DRILLING

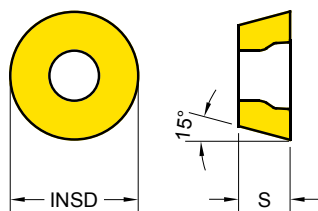
TECHNICAL INFORMATION

Milling - Profiling - Inserts

RDKT / W- Profiling Positive (Round)



Refer to
Milling Cutter
p. 215 - 216



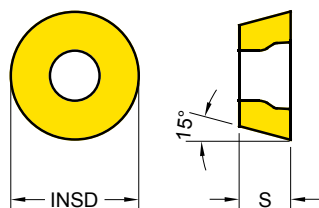
Series	INSD	S	Series	INSD	S
RDK* 0501	5	1.4	RDK* 10T3	10	4.0
RDK* 0702	7	2.4	RDK* 1204	12	4.8
RDK* 0802	8	2.4	RDK* 1604	16	4.8

EDP 1200.. ●: Stock item ○: Order made item

					H20	P15	P25	P30	P30	P30	P40	K10	K15	S40
					P20			K30	M30	M30	M40			
RDKT RDKW	Designation	Fz (mm/tooth)	APMX (mm)		YG012	YG712	YG713	YG622	YG612	YG602	YG613	YG5020	YG501	YG904
RDKT General		RDKT 0802M0	0.05 - 0.25	4.0					● 0943	● 0035				
		RDKT 10T3M0	0.05 - 0.30	5.0			○ 0651		● 0948	● 0041				
		RDKT 1204M0	0.05 - 0.50	6.0			○ 0635		● 0938	● 0034	● 0678			
		RDKT 1604M0	0.05 - 0.50	8.0	● 0915				● 0972	● 0539				
-ST Stainless Steel Super Alloy		RDKT 0802M0 - ST	0.05 - 0.15	4.0					● 0965	● 0292				
		RDKT 10T3M0 - ST	0.05 - 0.20	5.0					● 0966	● 0293	● 0620			
		RDKT 1204M0 - ST	0.05 - 0.30	6.0					● 0967	● 0294	● 0621			
-TR Hardened Steel		RDKT 0802M0 - TR	0.05 - 0.35	4.0	● 0745			○ 0339	● 0837	● 0284				
		RDKT 10T3M0 - TR	0.05 - 0.40	5.0	● 0744			○ 0338	● 0841	● 0285				
		RDKT 1204M0 - TR	0.05 - 0.60	6.0	● 0743		○ 0650	○ 0340	● 0842	● 0272				
RDKW Hard Materials		RDKW 0501M0	0.05 - 0.20	2.5				○ 0412	● 0843	● 0207				
		RDKW 0702M0	0.05 - 0.25	3.5			○ 0652	○ 0439	● 0844	● 0208				
		RDKW 0802M0	0.05 - 0.30	4.0	● 0909			○ 0440	● 0950	● 0043				
		RDKW 10T3M0	0.05 - 0.40	5.0	● 0908			○ 0441	● 0947	● 0040				
		RDKW 1204M0	0.05 - 0.60	6.0			○ 0647	○ 0442	● 0949	● 0042				
		RDKW 1604M0	0.05 - 0.60	8.0	● 0817				● 0720					

Milling - Profiling - Inserts

RDMT / W-Profiling Positive (Round)

Refer to
Milling Cutter
p.215 - 216


Series	INSD	S	Series	INSD	S
RDM* 0602	6	2.38	RDM* 10T3	10	3.97
RDM* 0802	8	2.38	RDM* 1204	12	4.76
RDM* 0803	8	3.18			

EDP 1200.. ●: Stock item ○: Order made item

H20	P15	P25	P30	P30	P30	P40	K10	K15	S40
P20			K30	M30 S30	M30	M40 S40			
YG012	YG712	YG713	YG622	YG612	YG602	YG613	YG5020	YG501	YG904
				●	●				
					0693				
					●				
					0245				
					●				
					0225				
					●				
					0246				
				●	●				
				0845	0226				
					●				
					0227				
					●				
					0228				
					●				
					0229				

RDMT RDMW		Designation	Fz (mm/tooth)	APMX (mm)
RDMT General		RDMT 0602M0	0.05 - 0.20	3.0
		RDMT 0802M0	0.05 - 0.25	4.0
		RDMT 0803M0	0.05 - 0.25	4.0
		RDMT 10T3M0	0.05 - 0.30	5.0
		RDMT 1204M0	0.05 - 0.50	6.0
RDMW Hard Materials		RDMW 0802M0	0.05 - 0.30	4.0
		RDMW 10T3M0	0.05 - 0.40	5.0
		RDMW 1204M0	0.05 - 0.60	6.0

TURNING

PARTING & GROOVING

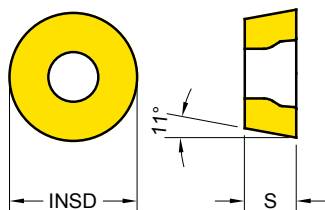
MILLING

DRILLING

TECHNICAL INFORMATION

Milling - Profiling - Inserts

RPMX - Profiling Positive (Round)



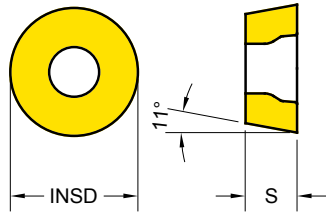
Series	INSD	S
RPM* 0803M0	8	2.78
RPM* 10T3M0	10	3.97
RPM* 1204M0	12	4.76

EDP 1200.. ●: Stock item ○: Order made item

					H20	P15	P25	P30	P30	P30	P40	K10	K15	S40
					P20			K30	M30 S30	M30	M40 S40			
RPMX	Designation	Fz (mm/tooth)	APMX (mm)		YG012	YG712	YG713	YG622	YG612	YG602	YG613	YG5020	YG501	YG904
NEW -XSF		RPMX 0803M0 - XSF	0.04 - 0.1	4.0										● 1192
		RPMX 10T3M0 - XSF	0.04 - 0.1	5.0										● 1191
		RPMX 1204M0 - XSF	0.04 - 0.1	6.0										● 1189
NEW -XSM		RPMX 0803M0 - XSM	0.04 - 0.12	4.0										● 1193
		RPMX 10T3M0 - XSM	0.04 - 0.12	5.0										● 1190
		RPMX 1204M0 - XSM	0.04 - 0.12	6.0										● 1188

Milling - Profiling - Inserts

RPMT / W - Profiling Positive (Round)



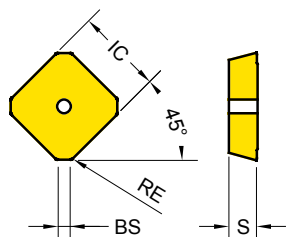
Series	INSD	S	Series	INSD	S
RPM* 08T2	8	2.78	RPM* 10T3	10	3.97
RPM* 1003	10	3.18	RPM* 1204	12	4.76

EDP 1200.. ●: Stock item ○: Order made item

RPMT RPMW		Designation	Fz (mm/tooth)	APMX (mm)	H20	P15	P25	P30	P30	P30	P40	K10	K15	S40
					P20			K30	M30	M30	M40			
					YG012	YG712	YG713	YG622	YG612	YG602	YG613	YG5020	YG501	YG904
RPMT General		RPMT 08T2M0	0.05 - 0.25	4.0			○		●	●	●			
		RPMT 10T3M0	0.05 - 0.30	5.0			○		●	●	●			
		RPMT 1204M0	0.05 - 0.50	6.0		●	○	○	●	●	●		●	
		RPMT 1606M0	0.05 - 0.60	8.0		0415	0643	0401	0831	0037	0664		0462	
-ST Stainless Steel Super Alloy		RPMT 1204M0 - ST	0.05 - 0.30	6.0					●	●	●			
									0958	0230	0667			
-TR Hardened Steel		RPMT 1204M0 - TR	0.05 - 0.55	6.0					●					
									0968					
RPMW Hard Materials		RPMW 1003M0	0.05 - 0.40	5.0	●		○	○	●	●				
		RPMW 1204M0	0.05 - 0.60	6.0	0911		0646	0402	0957	0204				
							0648		0946	0039				

Milling - Face Milling - Inserts

SDCN, SDKN - Face Milling Positive (4 Corners ISO)



Series	IC	S
SD** 1203	12.70	3.18
SD** 1504	15.88	4.76

EDP 1200.. ●: Stock item ○: Order made item

							H20	P15	P25	P30	P30	P30	P40	K10	K15	S40
							P20			K30	M30 S30	M30	M40 S40			
SDCN SDKN	Designation	RE (mm)	Fz (mm/tooth)	BS (mm)	APMX (mm)		YG012	YG712	YG713	YG622	YG612	YG602	YG613	YG5020	YG501	YG904
SDCN Ground insert	SDCN 1203 AESN - M	1.0	0.05-0.20	2.04	6.0			● 0135								
	SDCN 1504 AESN - M	1.0	0.05-0.20	2.19	8.0			● 0150								
	SDCN 1504 AESN - MR	1.0	0.05-0.20	2.19	8.0			● 0201								
SDKN Hard Materials	SDKN 1203 AETN	0.5	0.05-0.30	1.85	6.0						● 0954	● 0058				
	SDKN 1203 AETN - PW	0.4	0.05-0.30	1.98	6.0							● 0253				
	SDKN 1203 AETN - GW	1.3	0.05-0.30	1.85	6.0						● 0961	● 0251				
	SDKN 1203 AESN - GW	1.3	0.05-0.30	1.85	6.0		● 0762									
	SDKN 1504 AETN	0.45	0.05-0.30	2.00	8.0						● 0846	● 0059				
	SDKN 1504 AETN - PW	0.4	0.05-0.30	1.95	8.0							● 0288				
	SDKN 1504 AETN - GW	1.3	0.05-0.30	2.05	8.0						● 0937	● 0286				

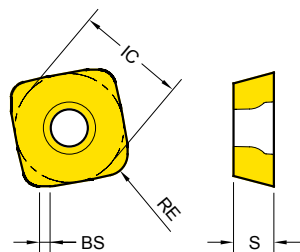
- PW : For Improved Surface Roughness
- GW : Ground Wiper
- M : For Mold & Die
- MR : For Mold & Die Roughing

Milling - High Feed Milling - Inserts

SDMT / W - High Feed Positive (4 Corners)



Refer to
Milling Cutter
p.217

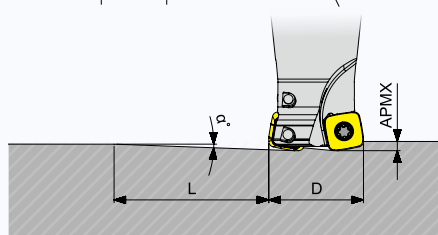
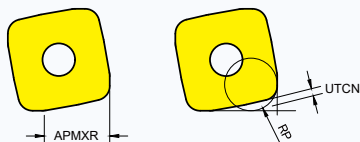


Series	IC	S
SDM* 1204	12.7	4.7

EDP 1200.. ●: Stock item ○: Order made item

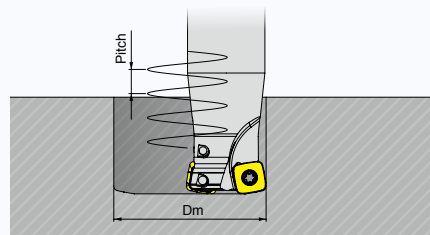
	Designation	RE (mm)	Fz (mm/tooth)	BS (mm)	APMX (mm)										
						YG012	YG712	YG713	YG622	YG612	YG602	YG613	YG5020	YG501	YG904
SDMT															
SDMW															
-ST Stainless Steel Super Alloy	SDMT 120420 - ST	1.9	0.60 - 1.20	1.45	1.8					● 0964	● 0274	● 0666			
SDMW Hard Materials	SDMW 120420	1.9	0.60 - 1.40	1.4	1.8	● 0737	○ 0634	○ 0341	● 0827	● 0273	● 0691				

Technical Information



Linear Ramping Data				
	D	α°	APMX	L (cutting length)
Metric	32	2.1	1.8	49
	33	2.0	1.8	52
	35	1.6	1.8	64
	40	2.7	1.8	38
	50	2.0	1.8	52
	63	1.4	1.8	74
	80	1.0	1.8	103
	100	0.8	1.8	129
	125	0.6	1.8	172
	160	0.4	1.8	258
Inch	1.25	2.4	0.071	0.067
	1.5	3.1	0.071	0.052
	2.0	2.0	0.071	0.080
	2.5	1.4	0.071	0.114
	3.0	1.1	0.071	0.145
	4.0	0.8	0.071	0.200
	5.0	0.6	0.071	0.266
	6.0	0.5	0.071	0.320

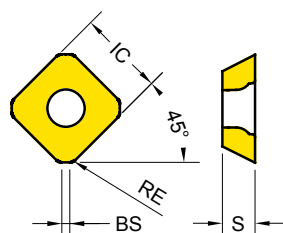
APMXR Radial AP Max	RP Programmed Corner R	UTCN Uncut Thickness
8.6	3.5	0.94



Helical Interpolation Data					
	D	Dm (max)	Pitch	Dm (minimum)	Pitch
Metric	32	64	1.8	54	1.8
	33	66	1.8	56	1.8
	35	70	1.8	59	1.8
	40	80	1.8	69	1.8
	50	100	1.8	89	1.8
	63	126	1.8	115	1.8
	80	160	1.8	149	1.8
	100	200	1.8	189	1.8
	125	250	1.8	239	1.8
	160	320	1.8	309	1.8
Inch	1.25	2.5	0.071	2.1	0.071
	1.5	3	0.071	2.6	0.071
	2.0	4	0.071	3.6	0.071
	2.5	5	0.071	4.6	0.071
	3.0	6	0.071	5.6	0.071
	4.0	8	0.071	7.6	0.071
	5.0	10	0.071	9.6	0.071
	6.0	12	0.071	11.6	0.071

Milling - Face Milling - Inserts

SEGT - Face Milling Positive (4 Corners)

Refer to
Milling Cutter
p. 218


Series	IC	S
SEGT 1204	12.74	4.91
SEGT 12T3	13.40	4.03

EDP 1200.. ●: Stock item ○: Order made item

H20	P15	P25	P30	P30	P30	P40	K10	K15	N15
P20			K30	M30	M30	M40			
			S30			S40			
YG012	YG712	YG713	YG622	YG612	YG602	YG613	YG5020	YG501	YG50
									● 0467

SEGT 1204

Designation

RE
(mm)

Fz
(mm/tooth)

BS
(mm)

APMX
(mm)

SEGT 1204 - AL

1.2

0.05 - 0.30

2.01

6.0

-AL

Aluminium


SEGT 12T3

Designation

RE
(mm)

Fz
(mm/tooth)

BS
(mm)

APMX
(mm)

SEGT 12T3 - AL

1.2

0.05 - 0.30

1.94

6.0

-AL

Aluminium



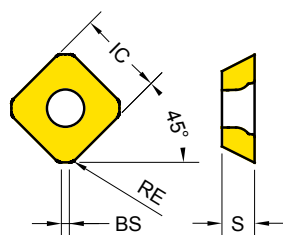
YG012	YG712	YG713	YG622	YG612	YG602	YG613	YG5020	YG501	YG50
									● 0468

Milling - Face Milling - Inserts

SEKT - Face Milling Positive (4 Corners)



Refer to
Milling Cutter
p.218



Series	IC	S
SEKT 1204	12.7	4.9
SEKT 12T3	13.4	4

EDP 1200.. ●: Stock item ○: Order made item

SEKT 1204		Designation	RE (mm)	Fz (mm/tooth)	BS (mm)	APMX (mm)	YG012	YG712	YG713	YG622	YG612	YG602	YG613	YG5020	YG501	YG904
SEKT 1204 General		SEKT 1204 AFTN	1.1	0.20-0.35	1.18	6.0				○ 0416	○ 0833	● 0055				
-ST Stainless Steel Super Alloy		SEKT 1204 - ST	1.1	0.08-0.30	2.00	6.0				● 0962	● 0257	● 0722				

SEKT 12T3		Designation	RE (mm)	Fz (mm/tooth)	BS (mm)	APMX (mm)	YG012	YG712	YG713	YG622	YG612	YG602	YG613	YG5020	YG501	YG904
SEKT 12T3 General		SEKT 12T3 AGTN	1.5	0.05-0.24	1.30	6.0					● 0953	● 0056				
-ST Stainless Steel Super Alloy		SEKT 12T3 - ST	1.5	0.05-0.12	2.00	6.0					● 0963	● 0271	● 0689			

TURNING

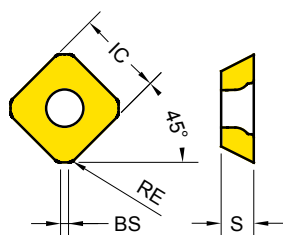
PARTING & GROOVING

MILLING

DRILLING

TECHNICAL INFORMATION

Milling - Face Milling - Inserts

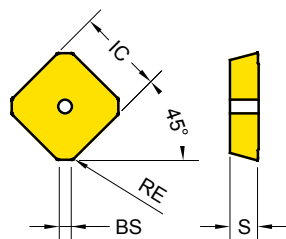
SEMT - Face Milling Positive (4 Corners)


Series	IC	S
SEMT1204	12.92	5.1
SEMT13T3	13.40	4.0

EDP 1200.. ●: Stock item ○: Order made item

SEMT	Designation	RE (mm)	Fz (mm/tooth)	BS (mm)	APMX (mm)	H20	P15	P25	P30	P30	P30	P40	K10	K15	S40
						P20			K30	M30 S30	M30	M40 S40			
SEMT 1204 General 	SEMT 1204 AFTN	1.2	0.05-0.24	1.24	6.0	YG012	YG712	YG713	YG622	YG612	YG602 ● 0052	YG613	YG5020	YG501	YG904
SEMT 13T3 General 	SEMT 13T3 AGSN	1.5	0.05-0.24	1.31	6.0						● 0203				

Milling - Face Milling - Inserts

SEKR / N - Face Milling Positive (4 Corners ISO)


Series	IC	S
SEK* 1203	12.7	3.2

EDP 1200.. ●: Stock item ○: Order made item

	SEKR SEKN	Designation	RE (mm)	Fz (mm/tooth)	BS (mm)	APMX (mm)	H20	P15	P25	P30	P30	P30	P40	K10	K15	S40
							P20			K30	M30 S30	M30	M40 S40			
							YG012	YG712	YG713	YG622	YG612	YG602	YG613	YG5020	YG501	YG904
SEKR General		SEKR 1203 AFTN	0.4	0.05 - 0.23	1.40	6.0					○ 0832	● 0051				
		SEKR 1203 AFTN - PW	0.4	0.05 - 0.24	2.00	6.0						● 0296				
SEKN Hard Materials		SEKN 1203 AFTN	0.4	0.05 - 0.30	1.40	6.0					● 0952	● 0054				
		SEKN 1203 AFTN - GW	0.4	0.05 - 0.33	2.00	6.0	● 0774					● 0304				
		SEKN 1203 AFTN - PW	0.4	0.05 - 0.33	2.00	6.0						● 0297				

- PW : For Improved Surface Roughness

- GW : Ground Wiper

TURNING

PARTING & GROOVING

MILLING

DRILLING

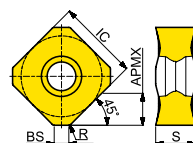
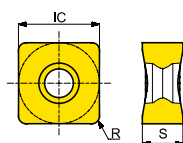
TECHNICAL INFORMATION

Milling - Face Milling - Inserts

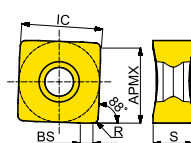
SNGX - Face Milling Negative (8 Corners)

Refer to
Milling Cutter
p. 220

Series	IC	S
SN** 1206	12.7	6.25



<ANN>



<QNN>

EDP 1200.. ●: Stock item ○: Order made item

H20	P15	P25	P30	P30	P30	P40	K10	K15	S40
P20			K30	M30 S30	M30	M40 S40			
YG012	YG712	YG713	YG622	YG612	YG602	YG613	YG5020	YG501	YG904
● 1021				● 1023		● 1024			
● 1079	● 1081			● 1078		● 1080	● 1082	● 1083	
● 1016	● 1121			● 1015		● 1120	● 1122	● 1019	

SNGX

Designation

RE
(mm)

Fz
(mm/tooth)

BS
(mm)

APMX
(mm)

NEW

SNGX
General


SNGX 120612 - GN

1.2

0.05 - 0.35

-

10.5

SNGX 1206 ANN - GN

0.4

0.05 - 0.35

2.3

6.0

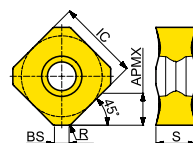
SNGX 1206 QNN - GN

0.8

0.05 - 0.35

2

9.8



<ANN>

EDP 1200.. ●: Stock item ○: Order made item

H20	P15	P25	P30	P30	P30	P40	K10	K15	N15
P20			K30	M30 S30	M30	M40 S40			
YG012	YG712	YG713	YG622	YG612	YG602	YG613	YG5020	YG501	YG50
									● 1086

SNGX

Designation

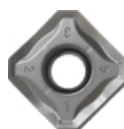
RE
(mm)

Fz
(mm/tooth)

BS
(mm)

APMX
(mm)

NEW

-AL
Aluminium


SNGX 1206 ANN - AL

0.4

0.05 ~ 0.35

2.3

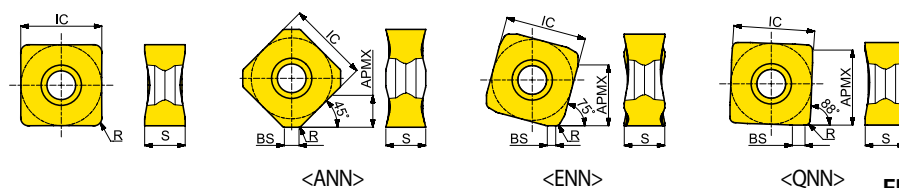
6.0

Milling - Face Milling - Inserts

SNMX - Face Milling Negative (8 Corners)



Refer to
Milling Cutter
p.220



Series	IC	S
SN** 1206	12.7	6.25

EDP 1200.. ●: Stock item ○: Order made item

						H20	P15	P25	P30	P30	P30	P40	K10	K15	S40
						P20			K30	M30 S30	M30	M40 S40			
SNMX	Designation	RE (mm)	Fz (mm/tooth)	BS (mm)	APMX (mm)	YG012	YG712	YG713	YG622	YG612	YG602	YG613	YG5020	YG501	YG904
SNMX General 	SNMX 1206 ANN	0.8	0.05 - 0.24	1.70	6.0	● 0754		○ 0658		● 0959	● 0231	● 0674	● 0460	● 0461	
	SNMX 1206 QNN	0.8	0.05 - 0.24	1.99	9.8	● 0901	● 0732						● 0731	● 0686	
	SNMX 120612 - GN	1.2	0.05 - 0.35		10.5	● 1018	● 1139			● 1054		● 1138	● 1140	● 1141	
	SNMX 1206 ANN - GN	0.4	0.05 - 0.35	2.3	6.0	● 1071	● 1073			● 1070		● 1072	● 1074	● 1075	
	SNMX 1206 ENN - GN	0.8	0.05 - 0.35	1.3	9.5	● 1093	● 1095			● 1092		● 1094	● 1096	● 1097	
	SNMX 1206 QNN - GN	0.8	0.05 - 0.35	2	9.8	● 1017	● 1113			● 1111		● 1112	● 1114	● 1115	
-ST Stainless Steel Super Alloy 	SNMX 1206 ANN - ST	0.4	0.05 - 0.25	2.3	6.0					● 1076		● 1077			
	SNMX 1206 QNN - ST	0.8	0.05 - 0.25	2	9.8					● 1116		● 1117			

TURNING

PARTING & GROOVING

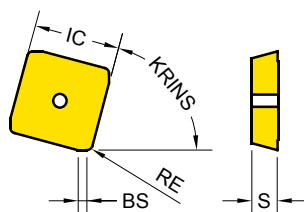
MILLING

DRILLING

TECHNICAL INFORMATION

Milling - Face Milling - Inserts

SPCN, SPKN / R - Face Milling Positive (4 Corners ISO)

Refer to
Milling Cutter
p. 219


Series	KRINS	IC	S
SP** 1203	75°	12.70	3.18
SP** 1504	75°	15.88	4.76

EDP 1200.. ●: Stock item ○: Order made item

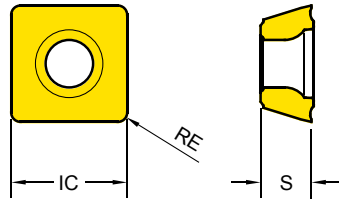
								H20	P15	P25	P30	P30	P30	P40	K10	K15	S40
								P20			K30	M30 S30	M30 S40	M40 S40			
SPCN SPKN SPKR			Designation	RE (mm)	Fz (mm/tooth)	BS (mm)	APMX (mm)	YG012	YG712	YG713	YG622	YG612	YG602	YG613	YG5020	YG501	YG904
SPCN Ground insert			SPCN 1203 EDSR - M	0.8	0.10-0.20	1.82	8.0	● 0081									
			SPCN 1203 EDSR - MR	0.8	0.10-0.20	1.77	8.0	● 0198									
			SPCN 1504 EDSR - M	0.8	0.10-0.20	1.92	12.0	● 0098									
			SPCN 1504 EDSR - MR	0.8	0.10-0.20	1.86	12.0	● 0199									
SPKN Hard Materials			SPKN 1203 EDTR	0.8	0.05-0.30	1.40	8.0	○ 0910				● 0848	● 0048				
			SPKN 1203 EDTR - GW	0.6	0.05-0.38	1.50	8.0					● 0847	● 0280				
			SPKN 1203 EDTR - PW	0.8	0.05-0.38	1.50	8.0						● 0279				
			SPKN 1504 EDTR	0.8	0.05-0.24	1.30	12.0	○ 0900				● 0850	● 0049				
			SPKN 1504 EDTR - GW	0.8	0.05-0.38	2.20	12.0					● 0849	● 0305				
			SPKN 1504 EDTR - PW	0.8	0.05-0.38	2.13	12.0						● 0299				
SPKR General			SPKR 1203 EDTR	0.8	0.05-0.24	1.40	8.0					● 0951	● 0050				
			SPKR 1203 EDTR - PW	0.8	0.05-0.11	1.54	8.0						● 0298				

- PW : For Improved Surface Roughness
- GW : Ground Wiper
- M : For Mold & Die
- MR : For Mold & Die Roughing

Milling - Face Milling - Inserts

SPMT - Universal Positive (4 Corners)

Series	AS	IC	S
SPMT 1204	11°	12.7	4.81



EDP 1200.. ●: Stock item ○: Order made item

H20	P15	P25	P30	P30	P30	P40	K10	K15	S40
P20			K30	M30 S30	M30	M40 S40			
YG012	YG712	YG713	YG622	YG612	YG602	YG613	YG5020	YG501	YG904
● 0903				● 0851	● 0223	● 0778			

SPMT	Designation	RE (mm)	Fz (mm/tooth)	BS (mm)	APMX (mm)
------	-------------	------------	------------------	------------	--------------

SPMT
General



SPMT 120408	0.8	0.05-0.24	-	10.0

TURNING

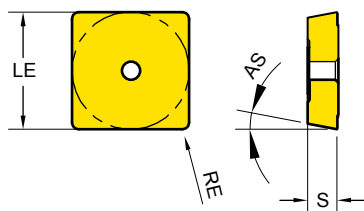
PARTING & GROOVING

MILLING

DRILLING

TECHNICAL INFORMATION

Milling - Face Milling - Inserts

SPUN - Universal Positive (4 Corners ISO)


Series	AS	IC	S
SPUN 1203	11°	12.7	3.2

EDP 1200.. ●: Stock item ○: Order made item

H20	P15	P25	P30	P30	P30	P40	K10	K15	S40
P20			K30	M30	M30	M40			
			S30	S30	S30	S40			

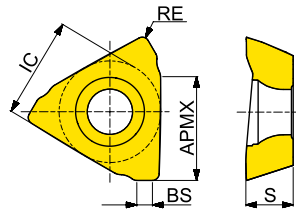
SPUN	Designation	RE (mm)	Fz (mm/tooth)	BS (mm)	APMX (mm)	YG012	YG712	YG713	YG622	YG612	YG602	YG613	YG5020	YG501	YG904
SPUN General 	SPUN 120308	0.8	0.05-0.29								● 0224				

Milling - Shoulder Milling - Inserts

TPCT - Shoulder Milling Positive (3 Corners)



Refer to
Milling Cutter
p.222 - 226



Series	IC	S
TP** 0703	5.51	2.92
TP** 1104	7.54	4.28
TP** 1605	11.66	5.38

EDP 1200.. ●: Stock item ○: Order made item

TPCT	Designation	RE (mm)	Fz (mm/tooth)	BS (mm)	APMX (mm)	H20	P15	P25	P30	P30	P30	P40	K10	K15	N15
						P20			K30	M30 S30	M30	M40 S40			
						YG012	YG712	YG713	YG622	YG612	YG602	YG613	YG5020	YG501	YG50
	TPCT 070302R - AL	0.2	0.05~0.2	1.35	4.5										● 1008
	TPCT 070304R - AL	0.4	0.05~0.2	1.15	4.5										● 1009
	TPCT 070308R - AL	0.8	0.05~0.2	0.75	4.5										● 1011
	TPCT 110404R - AL	0.4	0.05~0.25	1.5	7.0										● 0894
	TPCT 110408R - AL	0.8	0.05~0.25	1.1	7.0										● 0895
	TPCT 160504R - AL	0.4	0.05~0.5	2.4	11.0										● 0896
	TPCT 160508R - AL	0.8	0.05~0.5	1.9	11.0										● 0897

NEW

-AL
Aluminium



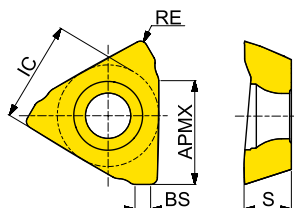
TURNING

PARTING & GROOVING

MILLING

DRILLING

TECHNICAL INFORMATION



Series	IC	S
TP** 0703	5.51	2.92
TP** 1104	7.54	4.28
TP** 1605	11.66	5.38

EDP 1200.. ●: Stock item ○: Order made item

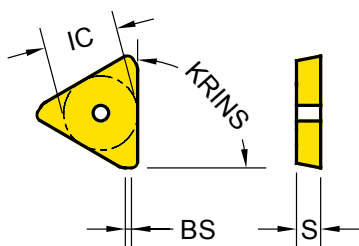
TPKT	Designation	RE (mm)	Fz (mm/tooth)	BS (mm)	APMX (mm)	H20	P15	P25	P30	P30	P30	P40	K10	K15	S40
						P20			K30	M30 S30	M30	M40 S40			
TPKT General 	TPKT 070302R - GN	0.2	0.05 - 0.2	1	4.5	YG012 0987	YG712 0989	YG713	YG622	YG612 0986	YG602	YG613 0988	YG5020	YG501	YG904
	TPKT 070304R - GN	0.4	0.05 - 0.2	0.9	4.5	0991	0993			0990		0992	0994	0995	1196
	TPKT 070308R - GN	0.8	0.05 - 0.2	0.5	4.5	0997	0999			0996		0998	1000	1001	
	TPKT 110404R - GN	0.4	0.05 - 0.24	1.6	7.0	0802	0807			0801			0808	0928	
	TPKT 110408R - GN	0.8	0.05 - 0.24	1.15	7.0	0804	0811			0803			0812	0929	1194
	TPKT 110412R - GN	1.2	0.05 - 0.24	0.8	7.0	1206	1207			1205			1209	1208	
	TPKT 110416R - GN	1.6	0.05 - 0.24	0.6	6.5	0806	0815			0805			0816	0930	
	TPKT 110420R - GN	2	0.05 - 0.24	0.13	6.5	1213	1214			1212			1216	1215	
	TPKT 160504R - GN	0.4	0.05 - 0.27	2.2	11.0	0888	0889			0887			0890	0931	
	TPKT 160508R - GN	0.8	0.05 - 0.27	1.79	11.0	0781	0779			0718			0780	0932	1195
	TPKT 160512R - GN	1.2	0.05 - 0.27	1.29	11.0	1218	1219			1217			1221	1220	
	TPKT 160516R - GN	1.6	0.05 - 0.27	1.2	11.0	0785	0786			0784			0787	0933	
	TPKT 160520R - GN	2	0.05 - 0.27	0.8	11.0	1225	1226			1224			1228	1227	
	TPKT 160524R - GN	2.4	0.05 - 0.27	0.7	11.0	0789	0790			0788			0791	0934	
	TPKT 070302R - ST	0.2	0.05 - 0.13	1	4.5					1002		1003			
	TPKT 070304R - ST	0.4	0.05 - 0.13	0.9	4.5					1004		1005			
	TPKT 070308R - ST	0.8	0.05 - 0.13	0.5	4.5					1006		1007			
-ST Stainless Steel Super Alloy 	TPKT 110404R - ST	0.4	0.05 - 0.15	1.6	7.0					0809		0810			
	TPKT 110408R - ST	0.8	0.05 - 0.15	1.15	7.0					0813		0814			
	TPKT 110412R - ST	1.2	0.05 - 0.15	0.8	7.0					1210		1211			
	TPKT 160504R - ST	0.4	0.05 - 0.15	2.2	11.0					0891		0892			
	TPKT 160508R - ST	0.8	0.05 - 0.15	1.79	11.0					0758		0759			
	TPKT 160512R - ST	1.2	0.05 - 0.15	1.29	11.0					1222		1223			

Milling - Shoulder Milling - Inserts

TPCN / TPKN / KR - Shoulder Milling Positive (3 Corners ISO)



Refer to
Milling Cutter
p. 221



Series	KRINS	IC	S
TP** 1603	90	9.53	3.18
TP** 2204	90	12.7	4.85

EDP 1200.. ●: Stock item ○: Order made item

H20	P15	P25	P30	P30	P30	P40	K10	K15	S40
P20			K30	M30	M30	M40			
				S30		S40			

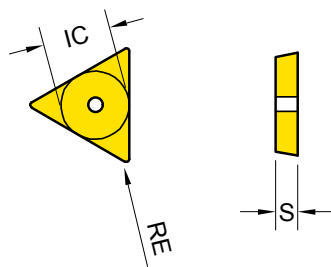
TPCN		TPKN	TPKR	Designation	RE (mm)	Fz (mm/tooth)	BS (mm)	APMX (mm)	YG012	YG712	YG713	YG622	YG612	YG602	YG613	YG5020	YG501	YG904
TPCN Ground insert		TPCN 2204 PDSR - M			0.05-0.20	1.76	18.0		● 0180									
		TPCN 2204 PDSR - MR			0.05-0.20	1.76	18.0		● 0202									
TPKN Hard Materials		TPKN 1603 PDTR			0.05-0.21	1.2	12.0						● 0956	● 0062	● 1012			
		TPKN 1603 PDTR - GW			0.05-0.15	1.6	12.0							● 0306				
		TPKN 1603 PDTR - PW			0.05-0.30	1.2	12.0							● 0302				
		TPKN 2204 PDTR			0.05-0.24	1.7	18.0	● 0902					● 0852	● 0063				
		TPKN 2204 PDTR - GW			0.05-0.45	2.5	18.0							● 0307				
		TPKN 2204 PDTR - PW			0.05-0.29	1.7	18.0							● 0303				
TPKR General		TPKR 1603 PDTR			0.15-0.28	1.2	12.0						● 0955	● 0060	● 0690			
		TPKR 1603 PDTR - PW			0.11-0.20	1.2	12.0							● 0300				
		TPKR 2204 PDTR			0.18-0.35	1.7	18.0						● 0853	● 0061	● 0715			
		TPKR 2204 PDTR - PW			0.18-0.35	1.7	18.0							● 0301				

- PW : For Improved Surface Roughness
- GW : Ground Wiper
- M : For Mold & Die
- MR : For Mold & Die Roughing

Milling - Shoulder Milling - Inserts

TPUN - Universal Positive (3 Corners ISO)

Series	IC	S
TPUN 1603	9.53	3.18



EDP 1200.. ●: Stock item ○: Order made item

H20	P15	P25	P30	P30	P30	P40	K10	K15	S40
P20			K30	M30	M30	M40			
			S30	S30	S30	S40			
YG012	YG712	YG713	YG622	YG612	YG602	YG613	YG5020	YG501	YG904
					● 0064				

TPUN

Designation

RE
(mm)

Fz
(mm/tooth)

BS
(mm)

APMX
(mm)

TPUN 160308

0.8

0.08-0.15

TPUN


TURNING

PARTING & GROOVING

MILLING

DRILLING

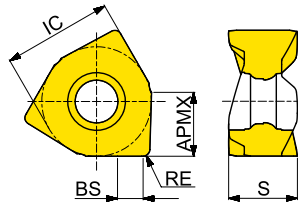
TECHNICAL INFORMATION

Milling - Shoulder Milling - Inserts

WNEX - Shoulder Milling Negative (6 Corners)



Refer to
Milling Cutter
p.227 - 228



Series	IC	S
WNE* 0403	7.0	3.60
WNE* 0806	12.9	6.25

EDP 1200.. ●: Stock item ○: Order made item

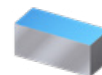
						H20	P15	P25	P30	P30	P30	P40	K10	K15	S40
						P20			K30	M30 S30	M30	M40 S40			
WNEX	Designation	RE (mm)	Fz (mm/tooth)	BS (mm)	APMX (mm)	YG012	YG712	YG713	YG622	YG612	YG602	YG613	YG5020	YG501	YG904
WNEX General 	WNEX 040304R -GN	0.4	0.05~0.24	2	4.0	● 1029	● 1031			● 1028		● 1030	● 1032	● 1033	
	WNEX 040308R -GN	0.8	0.05~0.24	1.65	4.0	● 1037	● 1039			● 1036		● 1038	● 1040	● 1041	
	WNEX 040312R -GN	1.2	0.05~0.24	1.3	4.0	● 1045	● 1047			● 1044		● 1046	● 1048	● 1049	
	WNEX 080604R -GN	0.4	0.05 - 0.26	3.2	7.0	● 0856	● 0857			● 0855			● 0858	● 0924	
	WNEX 080608R -GN	0.8	0.05 - 0.26	2.8	7.0	● 0859	● 0792			● 0854		● 0793	● 0794	● 0795	
	WNEX 080612R -GN	1.2	0.05 - 0.26	2.4	7.0	● 0877	● 0878			● 0885			● 0879	● 0925	
	WNEX 080616R -GN	1.6	0.05 - 0.26	2.0	7.0	● 0861	● 0862			● 0860			● 0863	● 0926	
	WNEX 080620R -GN	2.0	0.05 - 0.26	1.6	7.0	● 0882	● 0883			● 0886			● 0884	● 0927	
-ST Stainless Steel Super Alloy 	WNEX 040304R -ST	0.4	0.05~0.16	2	4.0					● 1034		● 1035			
	WNEX 040308R -ST	0.8	0.05~0.16	1.65	4.0					● 1042		● 1043			
	WNEX 040312R -ST	1.2	0.05~0.16	1.3	4.0					● 1050		● 1051			
	WNEX 080604R -ST	0.4	0.05 - 0.19	3.6	7.0					● 0864		● 0865			
	WNEX 080608R -ST	0.8	0.05 - 0.19	3.3	7.0					● 0866		● 0867			
	WNEX 080612R -ST	1.2	0.05 - 0.19	2.8	7.0					● 0875		● 0876			
	WNEX 080616R -ST	1.6	0.05 - 0.19	2.4	7.0					● 0868		● 0869			
	WNEX 080620R -ST	2.0	0.05 - 0.19	2.0	7.0					● 0880		● 0881			

						H20				P30	P30	P40			
						P20	P15	P25	K30	M30 S30	M30	M40 S40	K10	K15	N15
WNEX	Designation	RE (mm)	Fz (mm/tooth)	BS (mm)	APMX (mm)	YG012	YG712	YG713	YG622	YG612	YG602	YG613	YG5020	YG501	YG50
NEW -AL Aluminium 	WNEX 080604R -AL	0.4	0.05 - 0.4	4	7.0										● 1025
	WNEX 080608R -AL	0.8	0.05 - 0.4	3.4	7.0										● 1026

Milling Cutters Overview

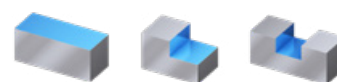
Mounting Bolt : p. 229

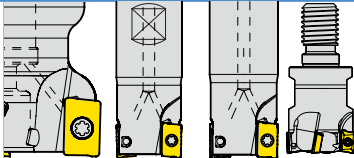
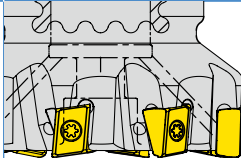
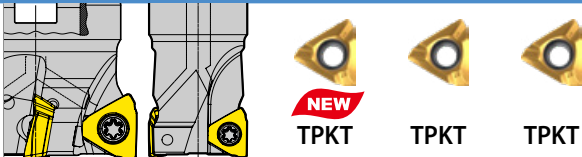
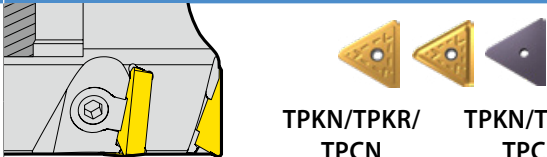
Face Milling



Negative Octagonal					Negative Square								
Cutter				ONMU 0806				SNMX 1206					
APMX			5.5				6.0						
DC			Ø63-315				Ø50-200						
page			213				220						
Negative 10 Corner				Positive Octagonal									
Cutter				PNMU 1206				ODMT/ ODMW 0605		OFER 0704			
APMX			4.0				3.5		5.0				
DC			Ø50-125				Ø63-125		Ø63-160				
page			214				212		212				
Positive Square					ISO								
Cutter						SEKT 1204		SEKT 12T3		SEGT 1204			SPKN/SPKR/SPCN 1203
APMX					6.0		6.0		6.0		6.0		8.0
DC					Ø40-160		Ø50-160		Ø40-160		Ø50-160		Ø50-200
page					218				219				

Shoulder Milling



2 Corner Positive					4 Corner Negative	
Cutter						
	APKT 1003		APKT 1604		LNHU 1306	
APMX	9.0		14.0		11.0	
DC	Ø16-100		Ø25-200		Ø40-160	
page	204-205		206-207		211	
3 Corner Positive					ISO	
Cutter						
	TPKT 0703		TPKT 1104		TPKN/TPKR/TPCN 1603	
	TPKT 1605				TPKN/TPKR/TPCN 2204	
APMX	4.5		7.0		12.0	
DC	12-52		20-63		Ø50-125	
page	222		224		221	

Mounting Bolt : p. 229

TURNING



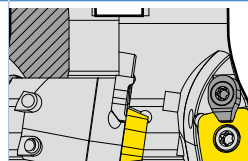
PARTING & GROOVING

MILLING



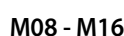
DRILLING

Positive 4 Corner



TECHNICAL INFORMATION

Modular Shank for Modular Head

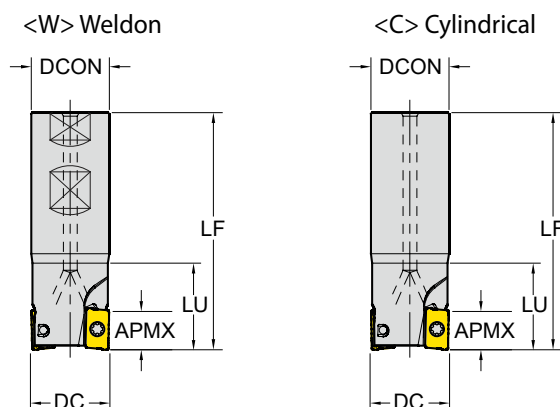


Milling - Shoulder Milling - Cutter

Cutters for APKT

Entering Angle : 90°

2 Corner Positive


CICT : Number of Inserts
CBDP : Connection Bore Depth

Refer to p. 171

Unit: mm

Series	APMX	Designation	EDP 1700..	DC	CICT	LU	LF	TYPE	DCON	CBDP	DCSFMS	
APKT 1003	9.0	E90 - APKT10 - D16Z2C16 - L100	0083	16	2	40	100	Cylindrical	16	-	-	●
		E90 - APKT10 - D16Z2C16 - L120	0532	16	2	30	120		16	-	-	●
		E90 - APKT10 - D16Z2C16 - L150	0154	16	2	40	150		16	-	-	●
		E90 - APKT10 - D16Z2C16 - L200	0533	16	2	100	200		16	-	-	●
		E90 - APKT10 - D20Z2C20 - L250	0534	20	2	150	250		20	-	-	●
		E90 - APKT10 - D20Z3C20 - L100	0535	20	3	30	100		20	-	-	●
		E90 - APKT10 - D20Z3C20 - L120	0085	20	3	40	120		20	-	-	●
		E90 - APKT10 - D20Z3C20 - L150	0536	20	3	50	150		20	-	-	●
		E90 - APKT10 - D20Z3C20 - L200	0270	20	3	100	200		20	-	-	●
		E90 - APKT10 - D25Z3C25 - L100	0537	25	3	30	100		25	-	-	●
		E90 - APKT10 - D25Z3C25 - L120	0186	25	3	40	120		25	-	-	●
		E90 - APKT10 - D30Z4C25 - L100	0122	30	4	30	100		25	-	-	●
		E90 - APKT10 - D30Z4C25 - L120	0086	30	4	30	120		25	-	-	●
		E90 - APKT10 - D32Z4C25 - L100	0538	32	4	35	100		25	-	-	●
		E90 - APKT10 - D32Z4C25 - L150 - WOC	0539	32	4	35	150		25	-	-	X
		E90 - APKT10 - D12Z1W16 - L100	0540	12	1	30	100	Weldon	16	-	-	●
		E90 - APKT10 - D14Z1W16 - L100	0541	14	1	30	100		16	-	-	●
		E90 - APKT10 - D16Z2W16 - L100	0542	16	2	30	100		16	-	-	●
		E90 - APKT10 - D16Z2W16 - L85	0082	16	2	-	85		16	-	-	●
		E90 - APKT10 - D18Z2W16 - L100	0543	18	2	30	100		16	-	-	●

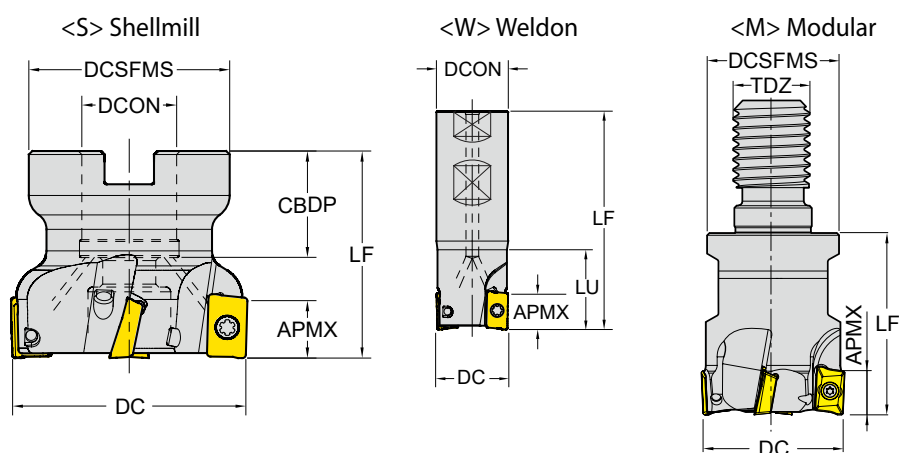
▶ NEXT PAGE

* Clamping Torque (Nm) 1.2Nm

APKT10	Screw (Cutter D16~D20)	Screw (Cutter D20~)	Wrench
Description	TP072505	TP072506	TPWFTP07
EDP	18000016	18000013	18000001

Milling - Shoulder Milling - Cutter Cutters for APKT

Entering Angle : 90°
2 Corner Positive



CICT : Number of Inserts
CDBP : Connection Bore Depth

Refer to p. 171

Unit:mm

Series	APMX	Designation	EDP 1700..	DC	CICT	LU	LF	TYPE	DCON	CDBP	DCSFMS	
APKT 1003	9.0	E90 - APKT10 - D20Z3W20 - L100	0461	20	3	30	100	Weldon	20	-	-	●
		E90 - APKT10 - D20Z3W20 - L90	0084	20	3	40	90		20	-	-	●
		E90 - APKT10 - D22Z3W20 - L100	0544	22	3	30	100		20	-	-	●
		E90 - APKT10 - D25Z3W25 - L100	0545	25	3	30	100		25	-	-	●
		E90 - APKT10 - D25Z4W25 - L100	0546	25	4	30	100		25	-	-	●
		E90 - APKT10 - D32Z4W32 - L150 - WOC	0547	32	4	50	150		32	-	-	X
		F90 - APKT10 - D40Z4S16	0087	40	4	-	40	Shellmill	16	18	34	●
		F90 - APKT10 - D40Z5S16	0472	40	5	-	40		16	20	36	●
		F90 - APKT10 - D50Z6S22	0215	50	6	-	40		22	22	42	●
		F90 - APKT10 - D50Z7S22	0088	50	7	-	40		22	20	42	●
		F90 - APKT10 - D63Z7S22	0548	63	7	-	40		22	22	48	●
		F90 - APKT10 - D80Z8S27	0549	80	8	-	50		27	25	58	●
		F90 - APKT10 - D100Z9S32	0550	100	9	-	50		32	26	65	●
		M90 - APKT10 - D16Z2M08	0551	16	2	-	30	Modular	M08	-	14.75	●
		M90 - APKT10 - D20Z3M10	0552	20	3	-	30		M10	-	18	●
		M90 - APKT10 - D25Z3M12	0553	25	3	-	35		M12	-	21	●
		M90 - APKT10 - D32Z4M16	0554	32	4	-	35		M16	-	29	●
		M90 - APKT10 - D40Z5M16	0555	40	5	-	43		M16	-	29	●
		M90 - APKT10 - D42Z5M16	0556	42	5	-	43		M16	-	29	●

* Clamping Torque (Nm) 1.2Nm

APKT10	Screw (Cutter D16~D20)	Screw (Cutter D20~)	Wrench
Description	TP072505	TP072506	TPWFTP07
EDP	18000016	18000013	18000001

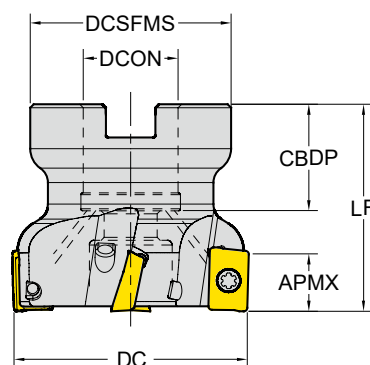
Milling - Shoulder Milling - Cutter

Cutters for APKT

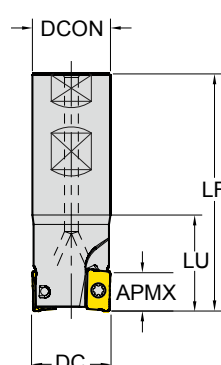
Entering Angle : 90°

2 Corner Positive

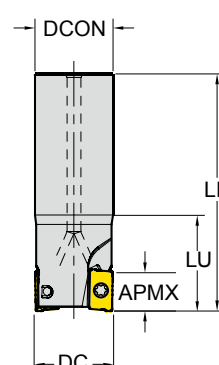
<S> Shellmill



<W> Weldon



<C> Cylindrical


CICT : Number of Inserts
CDBP : Connection Bore Depth

Refer to p. 171

Unit:mm

Series	APMX	Designation	EDP 1700..	DC	CICT	LU	LF	TYPE	DCON /TDZ	CDBP	DCSFMS	
APKT 1604	14.0	E90 - APKT16 - D25Z2C20 - L100	0091	25	2	-	100	Cylindrical	20	-	-	●
		E90 - APKT16 - D25Z2C20 - L100 - WOC	0243	25	2	35	100		20	-	-	X
		E90 - APKT16 - D25Z2C25 - L250 - WOC	0557	25	2	100	250		25	-	-	X
		E90 - APKT16 - D32Z2C32 - L250 - WOC	0558	32	2	100	250		32	-	-	X
		E90 - APKT16 - D32Z3C25 - L110	0094	32	3	-	110		25	-	-	●
		E90 - APKT16 - D32Z3C25 - L200	0559	32	3	40	200		25	-	-	●
		E90 - APKT16 - D32Z3C32 - L150 - WOC	0250	32	3	50	150		32	-	-	X
		E90 - APKT16 - D32Z3C32 - L250 - WOC	0560	32	3	100	250		32	-	-	X
		E90 - APKT16 - D40Z4C32 - L150 - WOC	0561	40	4	40	150	Weldon	32	-	-	X
		E90 - APKT16 - D25Z2W25 - L100	0562	25	2	35	100		25	-	-	●
		E90 - APKT16 - D25Z2W25 - L110	0092	25	2	-	110		25	-	-	●
		E90 - APKT16 - D28Z3W25 - L100	0563	28	3	40	100		25	-	-	●
		E90 - APKT16 - D30Z3W25 - L110	0564	30	3	40	110		25	-	-	●
		E90 - APKT16 - D32Z3W25 - L110	0093	32	3	-	110		25	-	-	●
		E90 - APKT16 - D32Z3W32 - L110	0565	32	3	40	110		32	-	-	●
		E90 - APKT16 - D36Z3W32 - L110	0566	36	3	40	110		32	-	-	●

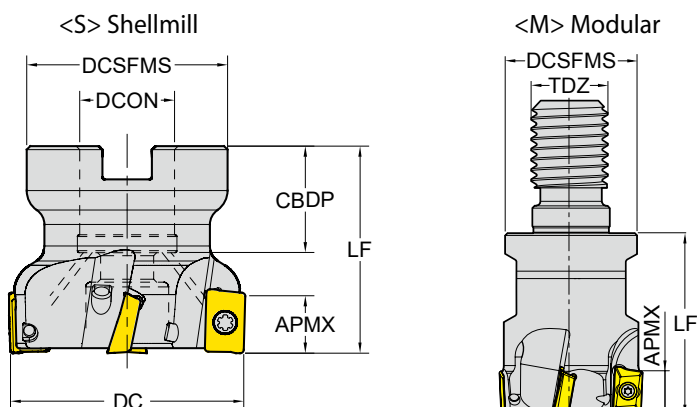
▶ NEXT PAGE

* Clamping Torque (Nm) 3.0Nm

APKT16	Screw	Wrench
Description	TP154008	TPWFTP15
EDP	18000006	18000003

Milling - Shoulder Milling - Cutter Cutters for APKT

Entering Angle : 90°
2 Corner Positive



CICT : Number of Inserts
CDBP : Connection Bore Depth

Refer to p. 171

Unit:mm

Series	APMX	Designation	EDP 1700..	DC	CICT	LU	LF	TYPE	DCON /TDZ	CBDP	DCSFMS	
APKT 1604	14.0	F90 - APKT16 - D40Z4S16	0275	40	4	-	40	Shellmill	16	20	36	●
		F90 - APKT16 - D50Z5S22	0095	50	5	-	40		22	20	45	●
		F90 - APKT16 - D52Z5S22	0567	52	5	-	40		22	22	42	●
		F90 - APKT16 - D63Z6S22	0096	63	6	-	40		22	20	50	●
		F90 - APKT16 - D80Z7S27	0097	80	7	-	50		27	23	56	●
		F90 - APKT16 - D100Z8S32	0181	100	8	-	50	Shellmill	32	26	65	●
		F90 - APKT16 - D125Z9S40 - WOC	0238	125	9	-	63		40	32	80	X
		F90 - APKT16 - D160Z10S40 - WOC	0568	160	10	-	63		40	32	110	X
		F90 - APKT16 - D200Z12S60 - WOC	0569	200	12	-	63		60	40	130	X
		M90 - APKT16 - D25Z2M12	0570	25	2	-	43	Modular	M12	-	21	●
		M90 - APKT16 - D32Z3M16	0571	32	3	-	43		M16	-	29	●
		M90 - APKT16 - D42Z4M16	0572	42	4	-	43		M16	-	29	●

Fig. 1

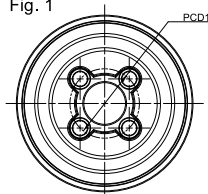
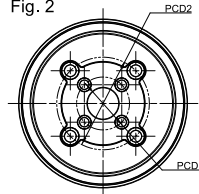


Fig. 2



DC	PCD1	Fig.
Ø160	Ø66.7	1
Ø200/250	Ø101.6	1
	Ø101.6	1

* Clamping Torque (Nm) 3.0Nm

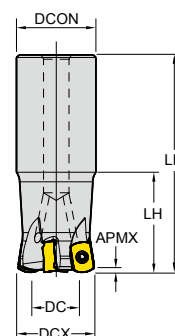
APKT16	Screw	Wrench
Description	TP154008	TPWFTP15
EDP	18000006	18000003

Milling - High Feed Milling - Cutter

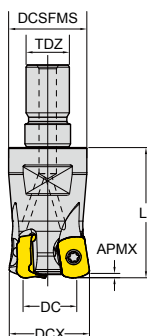
Cutters for ENMX

Entering Angle : 10°
4 Corner Negative

<C> Cylindrical



<M> Modular



CICT : Number of Inserts
CBDP : Connection Bore Depth

: Refer to p. 175

Unit : mm

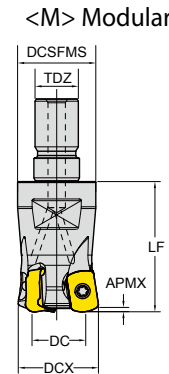
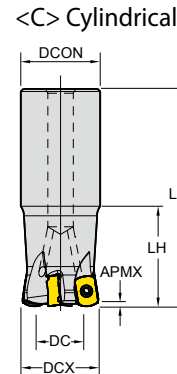
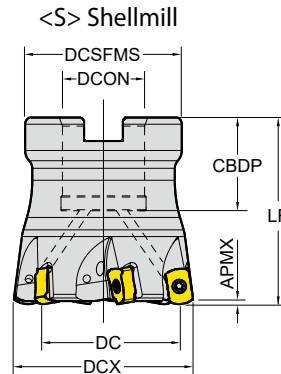
Series	APMX	Designation	EDP 1700..	DC	DCX	CICT	LF	Type	DCON /TDZ	LH	CBDP	DCSFMS	
NEW ENMX 0402	0.5	EHF-EN04-D08Z1C08-L80	1287D	3.18	8	1	80	Cylindrical	08	20	-	-	●
		EHF-EN04-D10Z2C10-L100	1288D	5.18	10	2	100		10	20	-	-	●
		EHF-EN04-D11Z2C10-L100	1289D	6.18	11	2	100		10	20	-	-	●
		EHF-EN04-D12Z3C12-L120	1290D	7.18	12	3	120		12	20	-	-	●
		EHF-EN04-D13Z3C12-L120	1291D	8.18	13	3	120		12	20	-	-	●
		EHF-EN04-D16Z4C16-L150	1292D	11.18	16	4	150		16	40	-	-	●
		EHF-EN04-D17Z4C16-L150	1293D	12.18	17	4	150		16	40	-	-	●
		EHF-EN04-D20Z5C20-L150	1294D	15.18	20	5	150		20	40	-	-	●
		EHF-EN04-D21Z5C20-L150	1295D	16.18	21	5	150	Modular	20	40	-	-	●
		MHF-EN04-D10Z2M06	1296D	5.18	10	2	17		M06	-	-	9.7	●
		MHF-EN04-D11Z2M06	1297D	6.18	11	2	17		M06	-	-	9.7	●
		MHF-EN04-D12Z3M06	1298D	7.18	12	3	17		M06	-	-	11	●
		MHF-EN04-D13Z3M06	1299D	8.18	13	3	17		M06	-	-	11	●
		MHF-EN04-D16Z4M08	1300D	11.18	16	4	23		M08	-	-	13	●
		MHF-EN04-D20Z5M10	1301D	15.18	20	5	23		M10	-	-	18	●
		MHF-EN04-D25Z7M12	1302D	20.18	25	7	27		M12	-	-	21	●
		MHF-EN04-D32Z8M16	1303D	27.18	32	8	27		M16	-	-	29	●

* Clamping Torque (Nm) 0.6Nm

ENMX04	Screw	Wrench	Handle	BIT
Description	TP061804-GS	TPWBTP06	DH-H4	DB-TP06
EDP	18000272	18000277	18000189	18000274

Milling - High Feed Milling - Cutter Cutters for ENMX

Entering Angle : 10°
4 Corner Negative



CICT : Number of Inserts
CBDP : Connection Bore Depth

Refer to p. 175

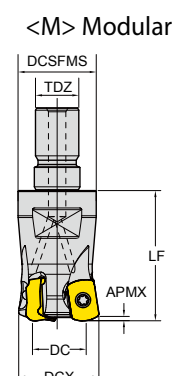
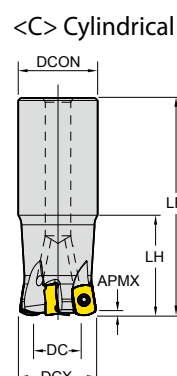
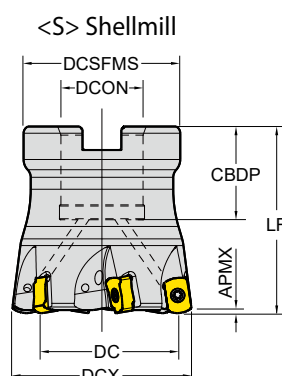
Unit : mm

Series	APMX	Designation	EDP 1700..	DC	DCX	CICT	LF	Type	DCON /TDZ	LH	CBDP	DCSFMS	
ENMX 0604	0.9	EHF - ENMX06 - D16Z2C16 - L100	0644	9.0	16	2	100	Cylindrical	16	30	-	-	●
		EHF - ENMX06 - D16Z2C16 - L150	0645	9.0	16	2	150		16	50	-	-	●
		EHF - ENMX06 - D17Z2C16 - L100	0674	10.0	17	2	100		16	20	-	-	●
		EHF - ENMX06 - D17Z2C16 - L150	0473	10.0	17	2	150		16	20	-	-	●
	1	EHF - ENMX06 - D20Z3C20 - L130	0463	12.6	20	3	130	Cylindrical	20	50	-	-	●
		EHF - ENMX06 - D20Z3C20 - L160	0646	12.6	20	3	160		20	80	-	-	●
		EHF - ENMX06 - D21Z3C20 - L150	0475	13.6	21	3	150		20	20	-	-	●
		EHF - ENMX06 - D21Z3C20 - L200	0476	13.6	21	3	200		20	20	-	-	●
		EHF - ENMX06 - D25Z4C25 - L140	0647	17.6	25	4	140		25	60	-	-	●
		EHF - ENMX06 - D25Z4C25 - L180	0464	17.6	25	4	180		25	80	-	-	●
		EHF - ENMX06 - D25Z4C25 - L250	0648	17.6	25	4	250		25	120	-	-	●
		EHF - ENMX06 - D26Z4C25 - L150	0479	18.6	26	4	150		25	30	-	-	●
		EHF - ENMX06 - D26Z4C25 - L200	0480	18.6	26	4	200		25	30	-	-	●
		EHF - ENMX06 - D32Z5C32 - L150	0649	24.6	32	5	150		32	70	-	-	●
		EHF - ENMX06 - D32Z5C32 - L200	0465	24.6	32	5	200		32	100	-	-	●
	0.9	MHF - ENMX06 - D16Z2M08	0691	9.0	16	2	23	Modular	M08		-	13	●
		MHF - ENMX06 - D18Z2M08	0730	11.0	18	2	23		M08		-	13	●
		MHF - ENMX06 - D20Z3M10	0692	12.6	20	3	30	Modular	M10		-	18	●
		MHF - ENMX06 - D25Z4M12	0693	17.6	25	4	35		M12		-	21	●
	1	MHF - ENMX06 - D32Z5M16	0694	24.6	32	5	42		M16		-	29	●
		MHF - ENMX06 - D35Z5M16	0695	27.6	35	5	42		M16		-	29	●
		MHF - ENMX06 - D40Z6M16	0732	32.6	40	6	42		M16		-	29	●
		MHF - ENMX06 - D42Z6M16	0696	34.6	42	6	42		M16		-	29	●
	1	FHF - ENMX06 - D40Z6S16	0482	32.6	40	6	40	Shellmill	16		18	37	●
		FHF - ENMX06 - D50Z6S22	0471	42.6	50	6	50		22		25	42	●

* Clamping Torque (Nm) 1.2Nm

ENMX06	Screw	Wrench	Handle	BIT
Description	TP082507-GS	TPWBTP08	DH-H4	DB-TP08
EDP	18000206	18000218	18000189	18000190

Entering Angle : 10°
4 Corner Negative



CICT : Number of Inserts
CDBP : Connection Bore Depth

: Refer to p. 175

Unit : mm

Series	APMX	Designation	EDP 1700..	DC	DCX	CICT	LF	Type	DCON /TDZ	LH	CDBP	DCSFMS	
ENMX 0905	1.5	EHF - ENMX09 - D25Z2C25 - L150	0745	15	25	2	150	Cylindrical	25	70	-	-	●
		EHF - ENMX09 - D26Z2C25 - L200	0746	16	26	2	200		25	30	-	-	●
		EHF - ENMX09 - D26Z3C25 - L200	0747	16	26	3	200		25	30	-	-	●
		EHF - ENMX09 - D32Z3C32 - L160	0748	22	32	3	160		32	70	-	-	●
		EHF - ENMX09 - D33Z3C32 - L200	0749	23	33	3	200		32	30	-	-	●
		EHF - ENMX09 - D33Z4C32 - L200	0750	23	33	4	200		32	40	-	-	●
		EHF - ENMX09 - D40Z5C32 - L180	0751	30	40	5	180		32	40	-	-	●
		MHF - ENMX09 - D35Z4M16	0989	25	35	4	42	Modular	M16	-	-	29	●
		FHF - ENMX09 - D50Z3S22	0820	40	50	3	50	Shellmill	22	-	20	42	●
		FHF - ENMX09 - D50Z4S22	0821	40	50	4	50		22	-	20	42	●
		FHF - ENMX09 - D50Z5S22	0752	40	50	5	50		22	-	20	42	●
		FHF - ENMX09 - D63Z4S22	0822	53	63	4	50		22	-	20	48	●
		FHF - ENMX09 - D63Z5S22	0823	53	63	5	50		22	-	20	48	●
		FHF - ENMX09 - D63Z6S22	0753	53	63	6	50		22	-	20	48	●
		FHF - ENMX09 - D63Z7S22	0754	53	63	7	50		22	-	20	48	●
		FHF - ENMX09 - D80Z8S27	0755	70	80	8	50		27	-	23	56	●
		FHF - ENMX09 - D100Z10S32	0824	90	100	10	63		32	-	26	78	●
		FHF - ENMX09 - D125Z12S40	0825	115	125	12	63		40	-	28	89	●

* Clamping Torque (Nm) 2.0Nm

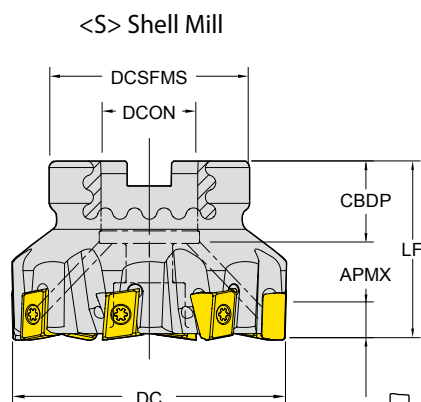
ENMX09	Screw	Wrench	Handle	BIT
Description	TP103509-GS	TPWBTP10	DH-H4	DB-TP10
EDP	18000266	18000280	18000189	18000271

Milling - Shoulder Milling - Cutter

Cutters for LNHU, LNKU

Entry Angle : 90°

4 Corner Negative



Refer to p. 177

Unit : mm

ZEFP : Effective Number of Cutting Edges
CDBP : Connection Bore Depth

Series	APMX	Designation	EDP 1700..	DC	CICT	LF	TYPE	DCON	CDBP	DCSFMS	
NEW LNHU 1306	11	F90 - LNHU13R - D40Z4S16	0787	40	4	40	Shellmill	16	18	37	●
		F90 - LNHU13R - D40Z5S16	0884	40	5	40		16	18	37	●
		F90 - LNHU13R - D50Z5S22	0793	50	5	40		22	20	42	●
		F90 - LNHU13R - D50Z6S22	0794	50	6	40		22	20	42	●
		F90 - LNHU13R - D63Z6S22	0795	63	6	40		22	20	48	●
		F90 - LNHU13R - D63Z8S22	0796	63	8	40		22	20	48	●
		F90 - LNHU13R - D80Z5S27	0910	80	5	50		27	23	56	●
		F90 - LNHU13R - D80Z7S27	0797	80	7	50		27	23	56	●
		F90 - LNHU13R - D80Z8S27	0798	80	8	50		27	23	56	●
		F90 - LNHU13R - D80Z10S27	0885	80	10	50		27	23	56	●
		F90 - LNHU13R - D100Z6S32	0911	100	6	50		32	26	67	●
		F90 - LNHU13R - D100Z8S32	0845	100	8	50		32	26	67	●
		F90 - LNHU13R - D100Z9S32	0886	100	9	50		32	26	67	●
		F90 - LNHU13R - D100Z13S32	0846	100	13	50		32	26	67	●
		F90 - LNHU13R - D125Z11S40	0887	125	11	63		40	29	89	●
		F90 - LNHU13R - D125Z16S40	0888	125	16	63		40	29	89	●
		F90 - LNHU13R - D160Z13S40	0889	160	13	63		40	40	110	X
		F90 - LNHU13R - D160Z18S40	0890	160	18	63		40	40	110	X

* Clamping Torque (Nm) 3.0Nm

LNHU13	Screw	Wrench	Handle	BIT
Description	TP154012-GS	TPWBTP15	DH-H4	DB-TP15
EDP	18000225	18000217	18000189	18000208

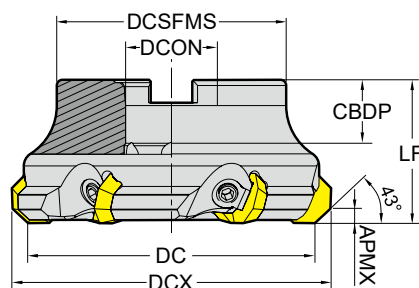
Milling - Face Milling - Cutter

Cutters for OFER

Entering Angle : 43°

8 Corner Positive

<S> Shellmill

CICT : Number of Inserts
CDBP : Connection Bore Depth

□ : Refer to p. 179

Unit: mm

Series	APMX	Designation	EDP 1700..	DC	DCX	CICT	LF	TYPE	DCON	CDBP	DCSFMS	
OFER 0704	5.0	F43 - OFER07 - D63Z4S22 - WOC	0484	63	75	4	45	Shellmill	22	22	48	X
		F43 - OFER07 - D80Z5S27 - WOC	0485	80	92	5	50		27	25	58	X
		F43 - OFER07 - D100Z6S32 - WOC	0486	100	112	6	50		32	26	80	X
		F43 - OFER07 - D125Z8S40 - WOC	0487	125	137	8	63		40	32	85	X
		F43 - OFER07 - D160Z9S40 - WOC	0488	160	172	9	63		40	32	110	X

Fig. 1

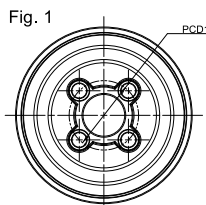
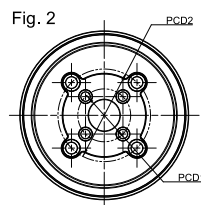


Fig. 2



DC	PCD1	Fig.
Ø160	Ø66.7	1
Ø200/250	Ø101.6	1
	Ø101.6	1

OFER07	Screw	Wrench	Wedge Clamp
Description	YAKV-15-M8x1x20	YAAL-05-4	YACK-11
EDP	18000086	18000062	18000068

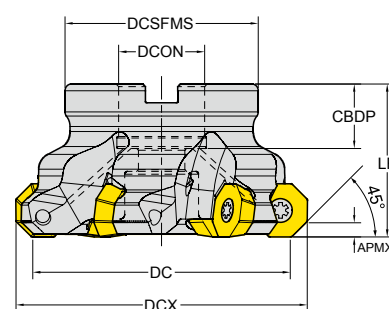
Milling - Face Milling - Cutter

Cutters for ODMT, ODMW

Entering Angle : 45°

8 Corner Positive

<S> Shellmill

CICT : Number of Inserts
CDBP : Connection Bore Depth

□ : Refer to p. 178

Unit : mm

Series	APMX	Designation	EDP 1700..	DC	DCX	CICT	LF	TYPE	DCON	CDBP	DCSFMS	
ODMT ODMW 0605	3.5	F43 - ODMT06 - D63Z5S22	0001	63	73	5	40	Shellmill	22	20	50	●
		F43 - ODMT06 - D80Z6S27	0002	80	90	6	50		27	23	56	●
		F43 - ODMT06 - D100Z7S32	0003	100	110	7	50		32	26	78	●
		F43 - ODMT06 - D125Z8S40	0004	125	135	8	63		40	28	89	●

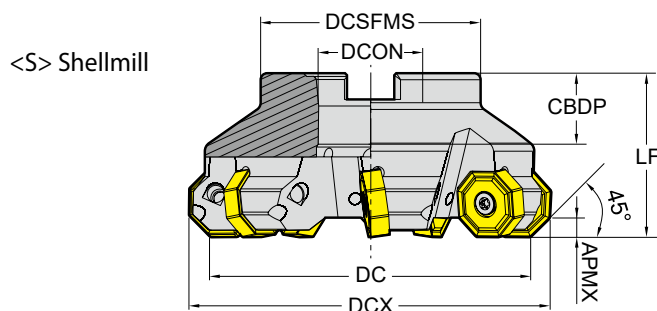
* Clamping Torque (Nm) 5.3Nm

ODMT06	Screw	Wrench
Description	TP205013	TPWFTP20
EDP	18000007	18000004

Milling - Face Milling - Cutter

Cutters for ONMU

Entering Angle: 45°
16 Corner Negative



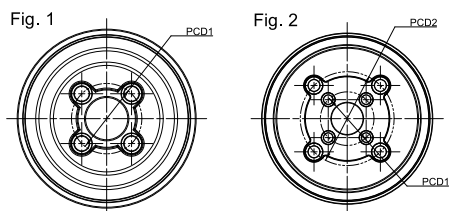
CICT : Number of Inserts
CDBP : Connection Bore Depth

Refer to p. 180

Unit:mm

Series	APMX	Designation	EDP 1700..	DC	DCX	CICT	LF	TYPE	DCON	CBDP	DCSFMS	
ONMU 0806	5.5	F45 - ONMU08 - D63Z5S22	0493	63	75	5	40	Shellmill	22	22	49	●
		F45 - ONMU08 - D80Z6S27	0494	80	92	6	50		27	25	58	●
		F45 - ONMU08 - D100Z7S32	0495	100	112	7	50		32	26	67	●
		F45 - ONMU08 - D125Z8S40 - WOC	0496	125	137	8	63		40	32	87	X
		F45 - ONMU08 - D160Z10S40 - WOC	0497	160	172	10	63		40	32	107	X
		F45 - ONMU08 - D200Z12S60 - WOC	0498	200	212	12	63		60	40	130	X
		F45 - ONMU08 - D315Z16S60 - WOC	0499	315	327	16	63		60	40	220	X

► ONHU is Available for Wiper Insert



DC	DCON	PCD1	PCD2	Fig.
Ø160	Ø40	Ø66.7	-	1
Ø200/250	Ø47.625	Ø101.6	-	1
	Ø60	Ø101.6	-	1
Ø315	Ø60	Ø101.6	Ø177.8	2
	Ø47.625	Ø101.6	Ø177.8	2

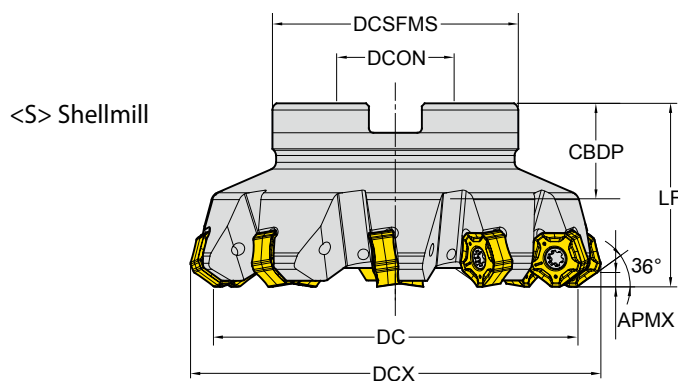
* Clamping Torque (Nm) 5.3Nm

ONMU08	Screw	Wrench
Description	TP205013	TPWFTP20
EDP	18000007	18000004

Milling - Face Milling - Cutter

Cutters for PNMU

Entering Angle : 36°
10 Corner Negative



CICT : Number of Inserts
CDBP : Connection Bore Depth

: Refer to p. 181

Unit:mm

Series	APMX	Designation	EDP 1700..	DC	DCX	CICT	LF	TYPE	DCON	CDBP	DCSFMS	
PNMU 1206	4.0	F36 - PNMU12 - D50Z4S22	0774	50	63.6	4	40	Shellmill	22	20	42	●
		F36 - PNMU12 - D50Z5S22	0785	50	63.6	5	40		22	20	42	●
		F36 - PNMU12 - D63Z5S22	0775	63	76.6	5	40		22	20	48	●
		F36 - PNMU12 - D63Z6S22	0483	63	76.6	6	40		22	20	48	●
		F36 - PNMU12 - D80Z8S27	0466	80	93.6	8	50		27	23	58	●
		F36 - PNMU12 - D100Z10S32	0467	100	113.6	10	50		32	26	67	●
		F36 - PNMU12 - D125Z10S40	0786	125	138.6	10	63		40	29	89	●

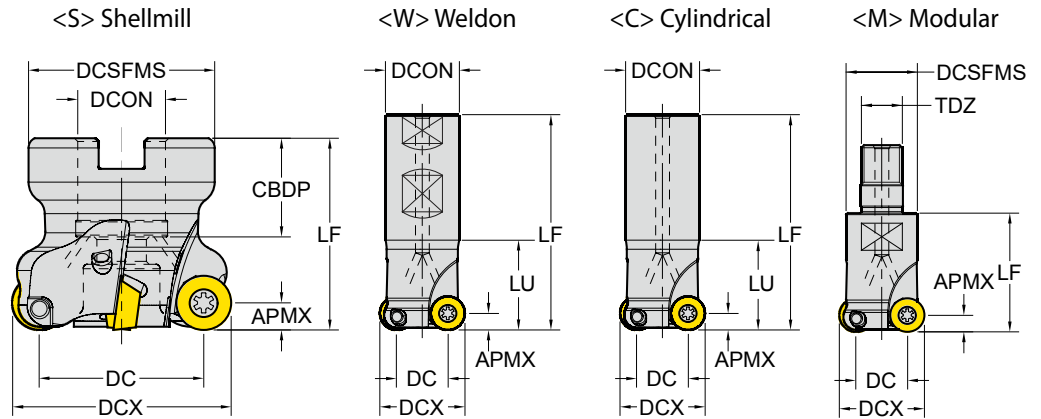
* Clamping Torque (Nm) 3.0Nm

PNMU12	Screw	Wrench	Handle	BIT
Description	TP154008	TPWBTP15	DH-H4	DB-TP15
EDP	18000006	18000217	18000189	18000208

Milling - Profiling - Cutter

Cutters for RDKT, RDKW

Round Positive



CICT : Number of Inserts
CDBP : Connection Bore Depth

: Refer to p. 182

Unit : mm

Series	APMX	Designation	EDP 1700..	DC	DCX	CICT	LU	LF	TYPE	DCON /TDZ	CDBP	DCSFMS	
RDKT RDKW 0802	4.0	E - RDKT08 - D16Z2C16 - L160	0005	8	16	2	-	160	Cylindrical	16	-	-	●
		E - RDKT08 - D20Z2C20 - L180	0007	12	20	2	-	180		20	-	-	●
		E - RDKT08 - D25Z3C20 - L180	0009	17	25	3	-	180		20	-	-	●
		M - RDKT08 - D16Z2M08	0010	8	16	2	-	23	Modular	M08	-	13	●
		M - RDKT08 - D20Z2M10	0011	12	20	2	-	30		M10	-	18	●
		M - RDKT08 - D25Z3M12	0012	17	25	3	-	35		M12	-	21	●
RDKT RDKW 10T3	5.0	E - RDKT10 - D20Z2C20 - L150 - WOC	0576	10	20	2	60	150	Cylindrical	20	-	-	X
		E - RDKT10 - D20Z2C20 - L180	0013	10	20	2	-	180		20	-	-	●
		E - RDKT10 - D25Z2C25 - L150 - WOC	0299	15	25	2	60	150		25	-	-	X
		E - RDKT10 - D25Z2C25 - L180	0015	15	25	2	-	180		25	-	-	●
		E - RDKT10 - D20Z2W20 - L150 - WOC	0577	10	20	2	60	150	Weldon	20	-	-	X
		E - RDKT10 - D25Z2W25 - L150 - WOC	0578	15	25	2	60	150		25	-	-	X
		E - RDKT10 - D32Z3W32 - L150 - WOC	0579	22	32	3	60	150		32	-	-	X
		F - RDKT10 - D40Z5S16	0019	30	40	5	-	40	Shellmill	16	18	34	●
		F - RDKT10 - D50Z5S22	0580	40	50	5	-	50		22	22	42	●
		F - RDKT10 - D50Z6S22	0020	40	50	6	-	50		22	22	42	●
		F - RDKT10 - D63Z6S22	0581	53	63	6	-	50		22	22	48	●
		M - RDKT10 - D20Z2M10	0017	10	20	2	-	30	Modular	M10	-	18	●
		M - RDKT10 - D25Z3M12	0018	15	25	3	-	35		M12	-	21	●

* Clamping Torque (Nm) 1.2Nm

RDKT08	Screw	Wrench
Description	TP082505	TPWFTP08
EDP	18000008	18000002

* Clamping Torque (Nm) 3.0Nm

RDKT10	Screw	Wrench
Description	TP154008RD	TPWFTP15
EDP	18000017	18000003

Milling - Profiling - Cutter

Cutters for RDKT, RDKW

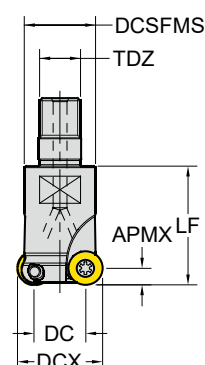
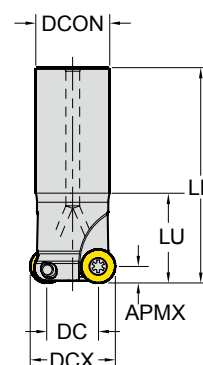
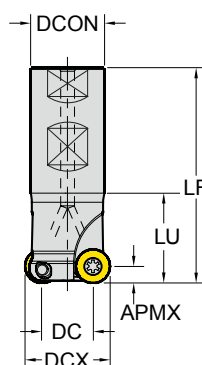
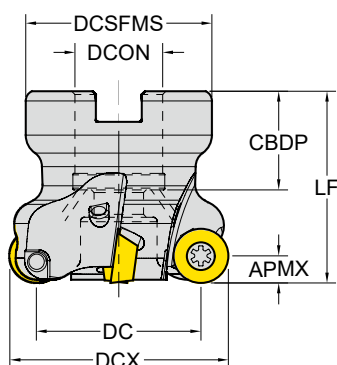
Round Positive

<S> Shellmill

<W> Weldon

<C> Cylindrical

<M> Modular


CICT : Number of Inserts
CDBP : Connection Bore Depth

Refer to p. 182

Unit : mm

Series	APMX	Designation	EDP 1700..	DC	DCX	CICT	LU	LF	TYPE	DCON / TDZ	CDBP	DCSFMS	
RDKT RDKW 1204	6.0	E - RDKT12 - D25Z2C25 - L180	0021	13	25	2	80	180	Cylindrical	25	-	-	●
		E - RDKT12 - D32Z2C32 - L200	0023	20	32	2	60	200		32	-	-	●
		E - RDKT12 - D32Z3C32 - L160	0024	20	32	3	60	160		32	-	-	●
		E - RDKT12 - D32Z3C32 - L160 - WOC	0582	20	32	3	70	160		32	-	-	X
		E - RDKT12 - D33Z3C32 - L160 - WOC	0583	21	33	3	70	160		32	-	-	X
		E - RDKT12 - D32Z3W32 - L160 - WOC	0584	20	32	3	50	160	Weldon	32	-	-	X
		F - RDKT12 - D40Z4S16	0028	28	40	4	-	40	Shellmill	16	18	32	●
		F - RDKT12 - D50Z5S22	0029	38	50	5	-	50		22	20	40	●
		F - RDKT12 - D52Z5S22	0585	40	52	5	-	50		22	22	42	●
		F - RDKT12 - D63Z6S22	0030	51	63	6	-	50		22	20	48	●
		F - RDKT12 - D80Z7S27	0586	68	80	7	-	50		27	25	58	●
		F - RDKT12 - D100Z7S32	0587	88	100	7	-	50		32	26	65	●
		F - RDKT12 - D100Z8S32	0588	88	100	8	-	50		32	26	65	●
		M - RDKT12 - D25Z2M12	0026	13	25	2	-	35	Modular	M12	-	21	●
		M - RDKT12 - D32Z3M16	0027	20	32	3	-	42		M16	-	29	●
		M - RDKT12 - D42Z4M16	0589	30	42	4	-	43		M16	-	29	●

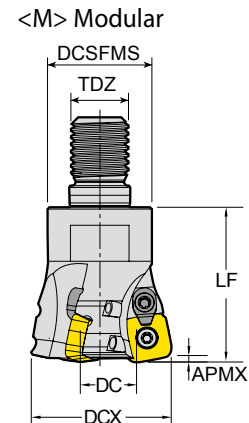
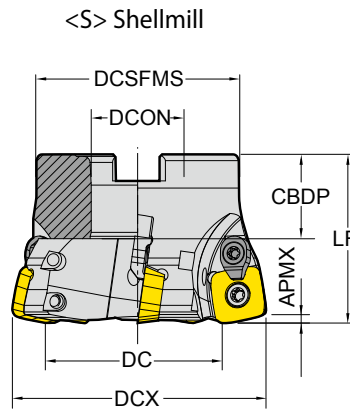
* Clamping Torque (Nm) 3.0Nm

RDKT12	Screw	Wrench	Wedge Clamp
Description	TP154009	TPWFTP15	MTCA - 130813P
EDP	18000010	18000003	18000037

Milling - High Feed Milling - Cutter

Cutters for SDMT, SDMW

Entering Angle : 10°
4 Corner Positive



CICT : Number of Inserts
CDBP : Connection Bore Depth

□ : Refer to p. 187

Unit : mm

Series	APMX	Designation	EDP 1700..	DC	DCX	CICT	LF	TYPE	DCON /TDZ	CDBP	DCSFMS	
SDMT SDMW 1204	1.8	FHF - SDMW12 - D50Z4S22	0604	32.4	50	4	40	Shellmill	22	22	42	●
		FHF - SDMW12 - D63Z5S22	0605	45.4	63	5	40		22	22	48	●
		FHF - SDMW12 - D80Z6S27	0606	62.4	80	6	50		27	25	58	●
		FHF - SDMW12 - D100Z8S32	0607	82.4	100	8	50		32	26	65	●
		MHF - SDMW12 - D32Z2M16	0608	14.4	32	2	43	Modular	M16	-	29	●
		MHF - SDMW12 - D40Z3M16	0609	22.4	40	3	43		M16	-	29	●

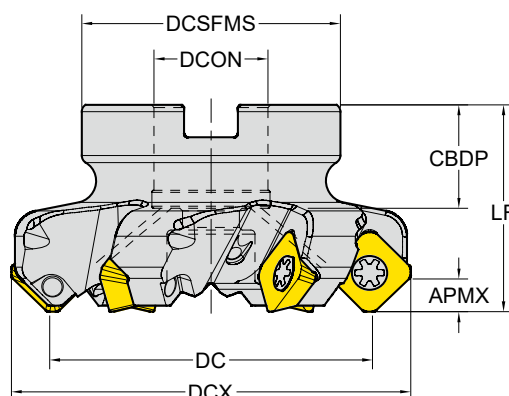
* Clamping Torque (Nm) 3.0Nm			
SDMT12	Screw	Wrench	Wedge Clamp
Description	Y4015-M4x11	Y80-T15	YACK-15
EDP	18000119	18000167	18000069

Milling - Face Milling - Cutter

Cutters for SEGT, SEKT

Entering Angle : 45°
4 Corner Positive

<S> Shellmill



CICT : Number of Inserts
CDBP : Connection Bore Depth

Refer to p. 188-189

Unit:mm

Series	APMX	Designation	EDP 1700..	DC	DCX	CICT	LF	TYPE	DCON	CDBP	DCSFMS	
SEGT SEKT 12T3	6.0	F45 - SE12T3 - D50Z4S22	0500	50	64	4	40	Shellmill	22	22	48	●
		F45 - SE12T3 - D63Z5S22	0501	63	77	5	40		22	22	48	●
		F45 - SE12T3 - D80Z6S27	0502	80	94	6	50		27	25	58	●
		F45 - SE12T3 - D100Z7S32	0503	100	114	7	50		32	26	65	●
		F45 - SE12T3 - D125Z8S40 - WOC	0504	125	139	8	63		40	32	85	X
		F45 - SE12T3 - D160Z10S40 - WOC	0505	160	174	10	63		40	32	110	X
SEGT SEKT 1204	6.0	F45 - SEKT12 - D40Z4S16	0031	40	54	4	40	Shellmill	16	18	32	●
		F45 - SEKT12 - D50Z5S22	0032	50	64	5	40		22	20	48	●
		F45 - SEKT12 - D63Z4S22	0033	63	77	4	40		22	20	50	●
		F45 - SEKT12 - D63Z6S22	0034	63	77	6	40		22	20	50	●
		F45 - SEKT12 - D80Z4S27	0035	80	94	4	50		27	22	56	●
		F45 - SEKT12 - D80Z7S27	0036	80	94	7	50		27	22	56	●
		F45 - SEKT12 - D100Z8S32	0037	100	114	8	50		32	25	78	●
		F45 - SEKT12 - D125Z10S40	0038	125	139	10	63		40	29	90	●
		F45 - SEKT12 - D160Z12S40	0039	160	174	12	63		40	30	114	X

Fig. 1

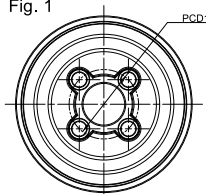
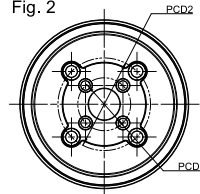


Fig. 2



DC	PCD1	Fig.
Ø160	Ø66.7	1
Ø200/250	Ø101.6	1
	Ø101.6	1

* Clamping Torque (Nm) 2.4Nm

SEKT12T3	Screw	Wrench
Description	Y4015-M3.5x11	Y80-T15
EDP	18000118	18000167

* Clamping Torque (Nm) 5.3Nm

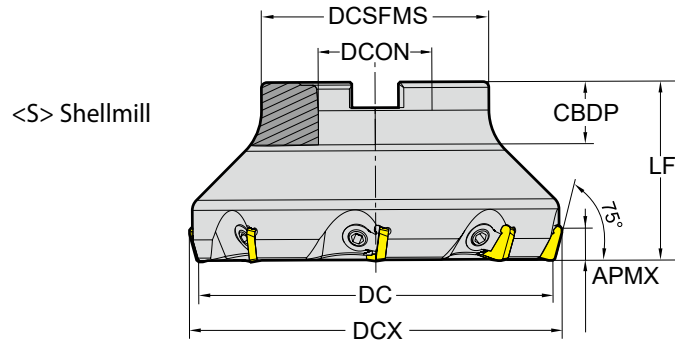
SEKT1204	Screw	Wrench
Description	TP204510	TPWFTP20
EDP	18000011	18000004

Milling - Face Milling - Cutter

Cutters for SPCN, SPKN, SPKR

Entering Angle : 75°

4 Corner Positive ISO



CICT : Number of Inserts
CDBP : Connection Bore Depth

Refer to p. 194

Unit:mm

Series	APMX	Designation	EDP 1700..	DC	DCX	CICT	LF	TYPE	DCON	CDBP	DCSFMS	
SPCN SPKN SPKR 1203	8.0	F75 - SPKN12 - D50Z4S22 - WOC	0611	50	56	4	42	Shellmill	22	22	42	X
		F75 - SPKN12 - D63Z5S22 - WOC	0612	63	69	5	40		22	22	48	X
		F75 - SPKN12 - D80Z6S27 - WOC	0613	80	86	6	50		27	25	58	X
		F75 - SPKN12 - D100Z7S32 - WOC	0614	100	106	7	50		32	26	65	X
		F75 - SPKN12 - D125Z8S40 - WOC	0615	125	131	8	63		40	32	80	X
		F75 - SPKN12 - D160Z9S40 - WOC	0616	160	166	9	63		40	32	110	X
		F75 - SPKN12 - D200Z12S60 - WOC	0617	200	206	12	63		60	40	130	X

Fig. 1

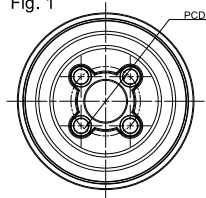
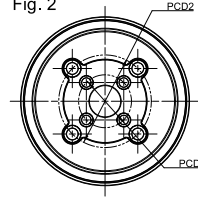


Fig. 2



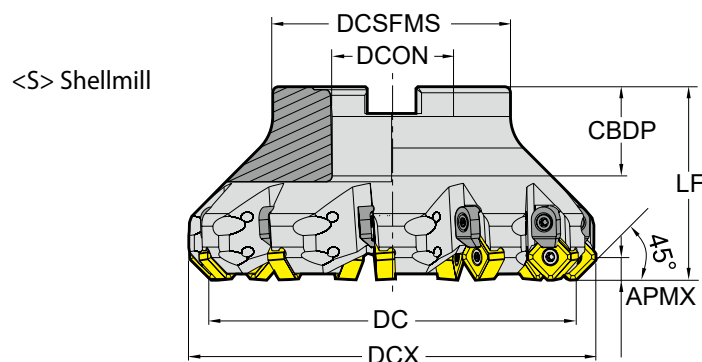
DC	PCD1	Fig.
Ø160	Ø66.7	1
Ø200/250	Ø101.6	1
	Ø101.6	1

SPKN1203	Screw	Wrench	Wedge Clamp
Description	YAKV-22-M8x1x14	YAAL-05-4	YACK-10
EDP	18000089	18000062	18000067
Description	YAKV-13-M8x1x16	-	-
EDP	18000084	-	-

Milling - Face Milling - Cutter

Cutters for SNMX

Entering Angle : 45°
8 Corner Negative



CICT : Number of Inserts
CDBP : Connection Bore Depth

□ : Refer to p. 192-193

Unit: mm

Series	APMX	Designation	EDP 1700..	DC	DCX	CICT	LF	TYPE	DCON	CDBP	DCSFMS	
SNMX 1206 ANN	6.0	F45 - SNMX12 - D50Z4S22	0506	50	63	4	42	Shellmill	22	22	42	●
		F45 - SNMX12 - D50Z5S22	0507	50	63	5	42		22	22	42	●
		F45 - SNMX12 - D63Z6S22	0508	63	76	6	42		22	22	48	●
		F45 - SNMX12 - D63Z7S22	0509	63	76	7	42		22	22	48	●
		F45 - SNMX12 - D80Z7S27	0510	80	93	7	52		27	25	58	●
		F45 - SNMX12 - D80Z8S27	0511	80	93	8	52		27	25	58	●
		F45 - SNMX12 - D100Z10S32	0512	100	113	10	52		32	26	67	●
		F45 - SNMX12 - D100Z8S32	0513	100	113	8	52		32	26	67	●
		F45 - SNMX12 - D125Z11S40 - WOC	0514	125	138	11	65		40	32	80	X
		F45 - SNMX12 - D160Z12S40 - WOC	0515	160	173	12	65		40	32	110	X
		F45 - SNMX12 - D200Z14S60 - WOC	0516	200	213	14	65		60	40	130	X

Fig. 1

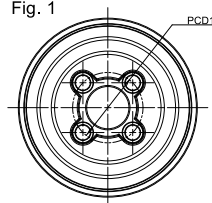
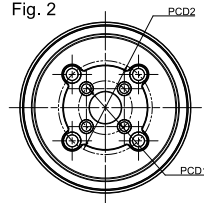


Fig. 2



DC	PCD1	Fig.
Ø160	Ø66.7	1
Ø200/250	Ø101.6	1
	Ø101.6	1

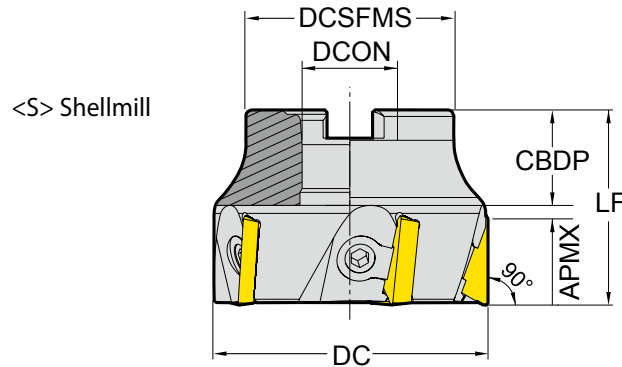
* Clamping Torque (Nm) 3.0Nm

SNMX12	Screw	Wrench	Wedge Clamp
Description	Y4015-M4x11	Y80-T15	Y4015-M4x11
EDP	18000119	18000167	18000119

Milling - Shoulder Milling - Cutter

Cutters for TPCN, TPKN, TPKR

Entering Angle : 90°
3 Corner Positive ISO

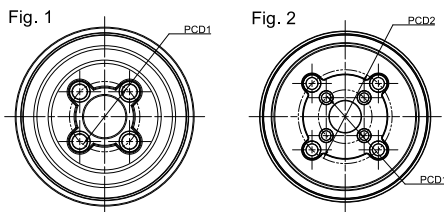


CICT : Number of Inserts
CDBP : Connection Bore Depth

Refer to p. 199

Unit:mm

Series	APMX	Designation	EDP 1700..	DC	CICT	LU	LF	TYPE	DCON	CDBP	DCSFMS	
TPCN TPKN TPKR 1603	12.0	F90 - TPKN16 - D50Z4S22 - WOC	0618	50	4	-	40	Shellmill	22	22	42	X
		F90 - TPKN16 - D63Z6S22 - WOC	0619	63	6	-	45		22	22	48	X
		F90 - TPKN16 - D80Z7S27 - WOC	0620	80	7	-	50		27	25	58	X
		F90 - TPKN16 - D125Z8S40 - WOC	0621	125	8	-	63		40	32	80	X
TPCN TPKN TPKR 2204	18.0	F90 - TPKN22 - D63Z5S22 - WOC	0622	63	5	-	45	Shellmill	22	22	48	X
		F90 - TPKN22 - D80Z6S27 - WOC	0623	80	6	-	50		27	25	58	X
		F90 - TPKN22 - D100Z7S32 - WOC	0624	100	7	-	50		32	26	65	X
		F90 - TPKN22 - D125Z8S40 - WOC	0625	125	8	-	63		40	32	80	X
		F90 - TPKN22 - D160Z9S40 - WOC	0626	160	9	-	63		40	32	110	X
		F90 - TPKN22 - D200Z12S60 - WOC	0627	200	12	-	63		60	40	130	X
		F90 - TPKN22 - D250Z15S60 - WOC	0628	250	15	-	63		60	40	160	X
		F90 - TPKN22 - D315Z18S60 - WOC	0629	315	18	-	63		60	40	220	X



DC	DCON	PCD1	PCD2	Fig.
Ø160	Ø40	Ø66.7	-	1
Ø200/250	Ø47.625	Ø101.6	-	1
	Ø60	Ø101.6	-	1
Ø315	Ø60	Ø101.6	Ø177.8	2
	Ø47.625	Ø101.6	Ø177.8	2

TPKN16	Screw	Wrench	Wedge Clamp
Description	YAKV-13-M8x1x16	YAAL-05-4	YACK-10
EDP	18000084	18000062	18000067

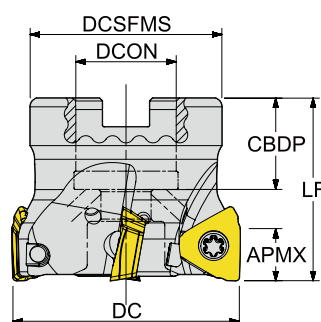
TPKN22	Screw	Wrench	Wedge Clamp
Description	YAKV-14-M8x1x18	YAAL-05-4	YACK-11
EDP	18000085	18000062	18000068

Milling - Shoulder Milling - Cutter

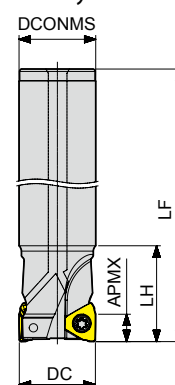
Cutters for TPKT

Entering Angle : 90°
3 Corner Positive

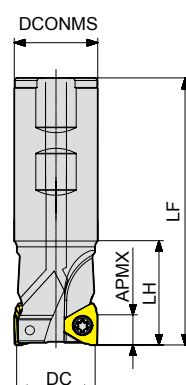
<S> Shellmill



<C> Cylindrical



<W> Weldon



CICT : Number of Inserts
CDBP : Connection Bore Depth

: Refer to p. 197-198

Unit : mm

Series	APMX	Designation	EDP 1700..	DC	CICT	LF	TYPE	DCON	LH	CDBP	DCSFMS	
NEW TPKT 0703	4.5	E90 - TP07 - D12Z1C12 - L80	1136	12	1	80	Cylindrical	12	20	-	-	●
		E90 - TP07 - D14Z1C12 - L80	1137	14	1	80		12	20	-	-	●
		E90 - TP07 - D16Z2C16 - L110	1138	16	2	110		16	25	-	-	●
		E90 - TP07 - D16Z2C16 - L150	1139	16	2	150		16	25	-	-	●
		E90 - TP07 - D16Z3C16 - L150	1140	16	3	150		16	25	-	-	●
		E90 - TP07 - D17Z3C16 - L150	1141	17	3	150		16	25	-	-	●
		E90 - TP07 - D18Z3C16 - L150	1142	18	3	150		16	25	-	-	●
		E90 - TP07 - D20Z3C20 - L160	1143	20	3	160		20	25	-	-	●
		E90 - TP07 - D25Z5C25 - L115	1146	25	5	115	Weldon	25	25	-	-	●
		E90 - TP07 - D42Z8C32 - L130	1161	42	8	130		32	30	-	-	●
		E90 - TP07 - D25Z4W20 - L115	1144	25	4	115		20	25	-	-	●
		E90 - TP07 - D25Z5W25 - L115	1145	25	5	115		25	25	-	-	●
		E90 - TP07 - D32Z6W25 - L130	1147	32	6	130	Shellmill	25	30	-	-	●
		E90 - TP07 - D40Z8W32 - L130	1148	40	8	130		32	30	-	-	●
		F90 - TP07 - D32Z6S16	1149	32	6	32		16	-	18	30	●
		F90 - TP07 - D35Z7S16	1150	35	7	35		16	-	18	30	●
		F90 - TP07 - D40Z7S16	1151	40	7	40		16	-	18	38	●
		F90 - TP07 - D40Z8S16	1152	40	8	40		16	-	18	38	●
		F90 - TP07 - D40Z8S22	1153	40	8	40		22	-	20	38	●
		F90 - TP07 - D50Z9S22	1162	50	9	40		22	-	20	45	●
		F90 - TP07 - D52Z9S22	1163	52	9	40		22	-	20	45	●

► NEXT PAGE

* Clamping Torque (Nm) 0.6Nm

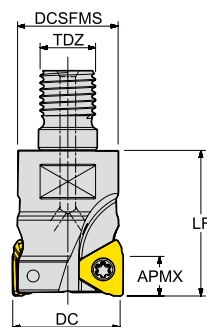
TPKT0703	Screw	Wrench	Handle	BIT
Description	TP062004-GS	TPWBTP06	DH-H4	DB-TP06
EDP	18000252	18000277	18000189	18000274

Milling - Shoulder Milling - Cutter

Cutters for TPKT

Entering Angle : 90°
3 Corner Positive

<M> Modular



CICT : Number of Inserts
CBDP : Connection Bore Depth

: Refer to p. 197-198

Unit : mm

Series	APMX	Designation	EDP 1700..	DC	CICT	LF	TYPE	DCON	LH	CBDP	DCSFMS	
NEW TPKT 0703	4.5	M90 - TP07 - D16Z2M08	1154	16	2	40	Modular	M08	23	-	13	●
		M90 - TP07 - D20Z3M10	1155	20	3	55		M10	35	-	18	●
		M90 - TP07 - D22Z4M10	1156	22	4	55		M10	35	-	18	●
		M90 - TP07 - D25Z5M12	1157	25	5	57		M12	35	-	21	●
		M90 - TP07 - D32Z6M16	1158	32	6	68		M16	43	-	29	●
		M90 - TP07 - D40Z7M16	1159	40	7	68		M16	43	-	29	●
		M90 - TP07 - D42Z8M16	1160	42	8	68		M16	43	-	29	●

* Clamping Torque (Nm) 0.6Nm

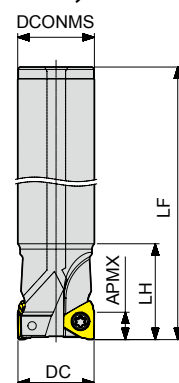
TPKT0703	Screw	Wrench	Handle	BIT
Description	TP062004-GS	TPWBTP06	DH-H4	DB-TP06
EDP	18000252	18000277	18000189	18000274

Milling - Shoulder Milling - Cutter

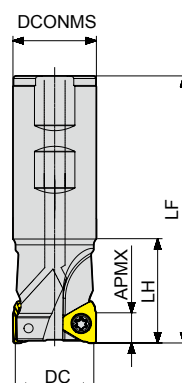
Cutters for TPKT

Entering Angle : 90°
3 Corner Positive

<C> Cylindrical



<W> Weldon



CICT : Number of Inserts
CBDP : Connection Bore Depth

: Refer to p. 197-198

Unit : mm

Series	APMX	Designation	EDP 1700..	DC	CICT	LF	TYPE	DCON /TDZ	LH	CBDP	DCSFMS	
TPKT 1104	7.0	E90 - TP11 - D20Z2C20 - L170	1037	20	2	170	Cylindrical	20	40	-	-	●
		E90 - TP11 - D20Z2C20 - L200	1074	20	2	200		20	60	-	-	●
		E90 - TP11 - D21Z2C20 - L150	1038	21	2	150		20	40	-	-	●
		E90 - TP11 - D21Z2C20 - L200	1039	21	2	200		20	40	-	-	●
		E90 - TP11 - D25Z3C25 - L200	1026	25	3	200		25	60	-	-	●
		E90 - TP11 - D26Z2C25 - L200	1041	26	2	200		25	40	-	-	●
		E90 - TP11 - D26Z2C25 - L250	1042	26	2	200		25	40	-	-	●
		E90 - TP11 - D26Z3C25 - L150	1043	26	3	150		25	40	-	-	●
		E90 - TP11 - D26Z3C25 - L200	1044	26	3	200		25	40	-	-	●
		E90 - TP11 - D32Z3C32 - L230	1045	32	3	230		32	60	-	-	●
		E90 - TP11 - D33Z3C32 - L200	1047	33	3	200		32	40	-	-	●
		E90 - TP11 - D40Z4C32 - L200	1048	40	4	200		32	60	-	-	●
		E90 - TP11 - D20Z2W20 - L90	0995	20	2	90	Weldon	20	40	-	-	●
		E90 - TP11 - D25Z3W25 - L100	1040	25	3	100		25	40	-	-	●
		E90 - TP11 - D32Z4W32 - L110	1046	32	4	110		32	40	-	-	●
		E90 - TP11 - D40Z5W32 - L115	1049	40	5	115		32	40	-	-	●

► NEXT PAGE

* Clamping Torque (Nm) 1.2Nm

TPKT1104 (D20, D21)	Screw	Wrench	Handle	BIT
Description	TP082562-GS	TPWBTP08	DH-H4	DB-TP08
EDP	18000265	18000218	18000189	18000190

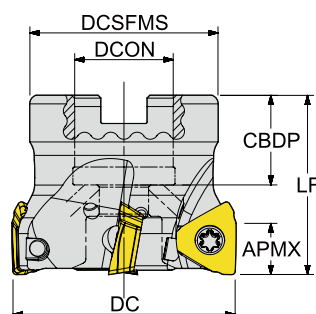
TPKT1104 (over D25)	Screw	Wrench	Handle	BIT
Description	TP082506-GS	TPWBTP08	DH-H4	DB-TP08
EDP	18000259	18000218	18000189	18000190

Milling - Shoulder Milling - Cutter

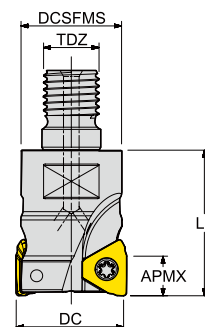
Cutters for TPKT

Entering Angle : 90°
3 Corner Positive

<S> Shellmill



<M> Modular



CICT : Number of Inserts
CDBP : Connection Bore Depth

Refer to p. 197-198

Unit : mm

Series	APMX	Designation	EDP 1700..	DC	CICT	LF	TYPE	DCON /TDZ	LH	CBDP	DCSFMS	
TPKT 1104	7.0	F90 - TP11 - D40Z5S16	1050	40	5	40	Shellmill	16	-	20	38	●
		F90 - TP11 - D50Z6S22	1051	50	6	40		22	-	20	42	●
		F90 - TP11 - D63Z7S22	1052	63	7	40		22	-	20	48	●
		F90 - TP11 - D63Z8S22	1053	63	8	40		22	-	20	48	●
		M90 - TP11 - D32Z4M16	1095	32	4	43	Modular	M16	68	-	29	●

* Clamping Torque (Nm) 1.2Nm

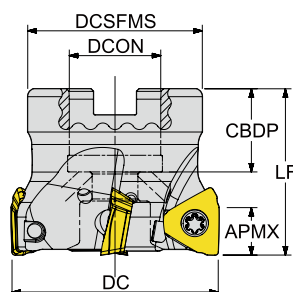
TPKT1104 (D20, D21)	Screw	Wrench	Handle	BIT
Description	TP082562-GS	TPWBTP08	DH-H4	DB-TP08
EDP	18000265	18000218	18000189	18000190
TPKT1104 (over D25)	Screw	Wrench	Handle	BIT
Description	TP082506-GS	TPWBTP08	DH-H4	DB-TP08
EDP	18000259	18000218	18000189	18000190

Milling - Shoulder Milling - Cutter

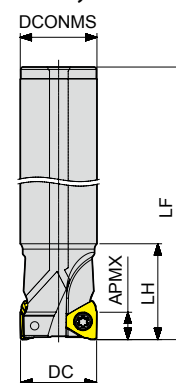
Cutters for TPKT

Entering Angle : 90°
3 Corner Positive

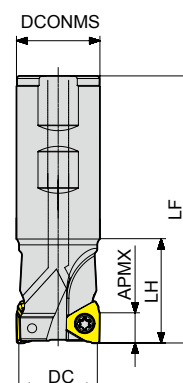
<S> Shellmill



<C> Cylindrical



<W> Weldon



CICT : Number of Inserts
CBDB : Connection Bore Depth

: Refer to p. 197-198

Unit : mm

Series	APMX	Designation	EDP 1700..	DC	CICT	LF	TYPE	DCON /TDZ	LH	CBDB	DCSFMS	
TPKT 1605	11.0	E90 - TP16 - D32Z2C32 - L150	0941	32	2	150	Cylindrical	32	40	-	-	●
		E90 - TP16 - D32Z2C32 - L250	0942	32	2	250		32	80	-	-	●
		E90 - TP16 - D33Z2C32 - L200	0929	33	2	200		32	40	-	-	●
		E90 - TP16 - D33Z2C32 - L250	1010	33	2	250		32	40	-	-	●
		E90 - TP16 - D40Z4C32 - L200	0945	40	4	200		32	40	-	-	●
		E90 - TP16 - D40Z3W32 - L110	0944	40	3	110	Weldon	32	40	-	-	●
		F90 - TP16 - D50Z4S22	0931	50	4	40	Shellmill	22	-	20	42	●
		F90 - TP16 - D50Z5S22	1069	50	5	40		22	-	20	42	●
		F90 - TP16 - D63Z5S22	0932	63	5	40		22	-	20	48	●
		F90 - TP16 - D63Z6S22	0947	63	6	40		22	-	20	48	●
		F90 - TP16 - D80Z6S27	0948	80	6	50		27	-	23	56	●
		F90 - TP16 - D80Z7S27	0949	80	7	50		27	-	23	56	●
		F90 - TP16 - D100Z8S32	0950	100	8	50		32	-	26	67	●
		F90 - TP16 - D125Z10S40	0951	125	10	63		40	-	29	89	●
		F90 - TP16 - D125Z12S40	0952	125	12	63		40	-	29	89	●
		F90 - TP16 - D140Z10S40	1073	140	10	63		40	-	29	110	●
		F90 - TP16 - D160Z11S40	0953	160	11	63		40	-	40	110	X
		F90 - TP16 - D200Z11S60	0955	200	11	63		60	-	40	160	X

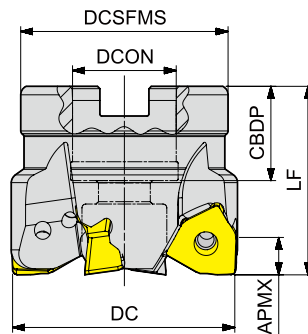
* Clamping Torque (Nm) 5.3Nm

TPKT1605	Screw	Wrench	Handle	BIT
Description	TP2045105	TPWBTP20	DH-H6	DB-TP20
EDP	18000264	18000256	18000210	18000257

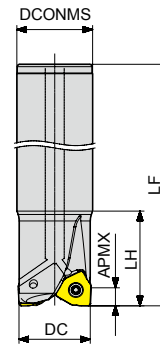
Milling - Shoulder Milling - Cutter Cutters for WNEX

Entering Angle : 90°
6 Corner Negative

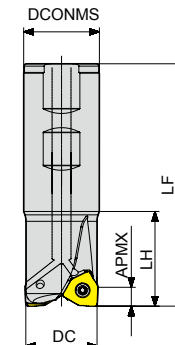
<S> Shellmill



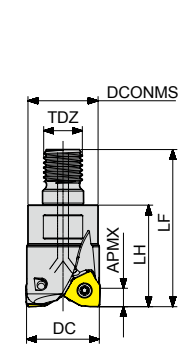
<C> Cylindrical



<W> Weldon



<M> Modular



CICT : Number of Inserts
CDBP : Connection Bore Depth

Refer to p. 201

Unit : mm

Series	APMX	Designation	EDP 1700..	DC	CICT	LF	TYPE	DCON /TDZ	LH	CDBP	DCSFMS	
NEW WNEX 0403	4.0	E90 - WN04 - D20Z2C20 - L150	1222	20	2	150	Cylindrical	20	40	-	-	●
		E90 - WN04 - D20Z3C20 - L150	1224	20	3	150		20	40	-	-	●
		E90 - WN04 - D21Z2C20 - L150	1255	21	2	150		20	40	-	-	●
		E90 - WN04 - D25Z3C25 - L150	1226	25	3	150		25	40	-	-	●
		E90 - WN04 - D25Z4C25 - L150	1228	25	4	150		25	40	-	-	●
		E90 - WN04 - D26Z3C25 - L150	1256	26	3	150		25	40	-	-	●
		E90 - WN04 - D32Z5C32 - L150	1230	32	5	150		32	40	-	-	●
		E90 - WN04 - D20Z2W20 - L110	1221	20	2	110	Weldon	20	40	-	-	●
		E90 - WN04 - D20Z3W20 - L110	1223	20	3	110		20	40	-	-	●
		E90 - WN04 - D25Z3W25 - L110	1225	25	3	110		25	40	-	-	●
		E90 - WN04 - D25Z4W25 - L110	1227	25	4	110		25	40	-	-	●
		E90 - WN04 - D32Z5W32 - L110	1229	32	5	110		32	40	-	-	●
		E90 - WN04 - D32Z6W32 - L110	1231	32	6	110		32	40	-	-	●
		F90 - WN04 - D40Z5S16	1232	40	5	40	Shellmill	16	-	18	38	●
		F90 - WN04 - D40Z6S16	1233	40	6	40		16	-	18	38	●
		F90 - WN04 - D40Z7S16	1234	40	7	40		16	-	18	38	●
		F90 - WN04 - D50Z7S22	1235	50	7	40		22	-	20	45	●
		F90 - WN04 - D50Z8S22	1236	50	8	40		22	-	20	45	●
		F90 - WN04 - D50Z9S22	1237	50	9	40		22	-	20	45	●
		F90 - WN04 - D63Z8S22	1238	63	8	40		22	-	20	48	●
		F90 - WN04 - D63Z10S22	1239	63	10	40		22	-	20	48	●
		F90 - WN04 - D63Z11S22	1240	63	11	40		22	-	20	48	●
		F90 - WN04 - D42Z7S16	1257	42	7	40		16	-	18	38	●
		F90 - WN04 - D52Z9S22	1258	52	9	40		22	-	20	45	●
		M90 - WN04 - D20Z2M10	1241	20	2	55	Modular	M10	35	-	18	●
		M90 - WN04 - D20Z3M10	1242	20	3	55		M10	35	-	18	●
		M90 - WN04 - D25Z3M12	1243	25	3	57		M12	35	-	21	●
		M90 - WN04 - D25Z4M12	1244	25	4	57		M12	35	-	21	●
		M90 - WN04 - D32Z5M16	1245	32	5	68		M16	43	-	29	●
		M90 - WN04 - D32Z6M16	1246	32	6	68		M16	43	-	29	●

* Clamping Torque (Nm) 0.7Nm

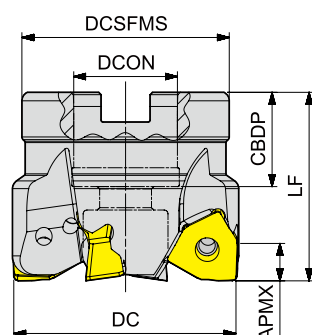
ENMX04	Screw	Wrench	Handle	BIT
Description	TP072557-GS	TPWBTP07	DH-H4	DB-TP07
EDP	18000275	18000289	18000189	18000278

Milling - Shoulder Milling - Cutter

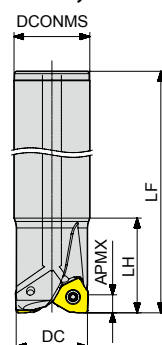
Cutters for WNEX

Entering Angle : 90°
6 Corner Negative

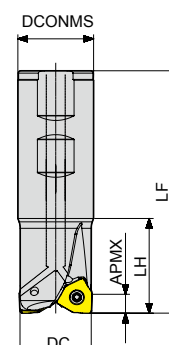
<S> Shellmill



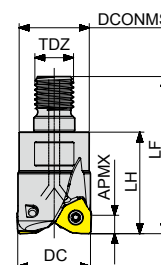
<C> Cylindrical



<W> Weldon



<M> Modular



CICT : Number of Inserts
CDBP : Connection Bore Depth

: Refer to p. 201

Unit : mm

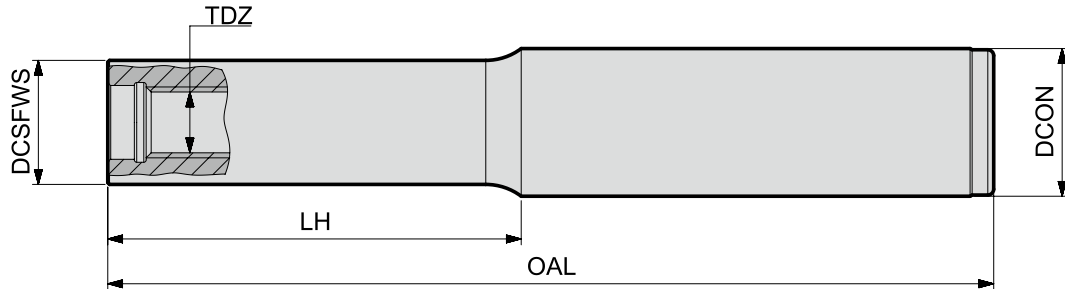
Series	APMX	Designation	EDP 1700..	DC	CICT	LF	TYPE	DCON /TDZ	LH	CDBP	DCSFMS	
WNEX 0806	7.0	E90 - WN08 - D32Z2W32 - L120	0969	32	2	120	Weldon	32	40	-	-	●
		E90 - WN08 - D40Z3W32 - L120	0972	40	3	120		32	40	-	-	●
		E90 - WN08 - D40Z4W32 - L120	0973	40	4	120		32	40	-	-	●
		E90 - WN08 - D50Z4W32 - L120	0974	50	4	120		32	40	-	-	●
		E90 - WN08 - D50Z5W32 - L120	0990	50	5	120		32	40	-	-	●
		E90 - WN08 - D32Z2C32 - L120	0991	32	2	120	Cylindrical	32	40	-	-	●
		E90 - WN08 - D32Z2C32 - L200	0872	32	2	200		32	60	-	-	●
		E90 - WN08 - D33Z2C32 - L200	0873	33	2	200		32	40	-	-	●
		E90 - WN08 - D40Z3C32 - L120	0994	40	3	120		32	40	-	-	●
		E90 - WN08 - D40Z3C32 - L200	0874	40	3	200		32	40	-	-	●
		E90 - WN08 - D40Z4C32 - L120	0996	40	4	120		32	40	-	-	●
		E90 - WN08 - D50Z4C32 - L120	0997	50	4	120		32	40	-	-	●
		E90 - WN08 - D50Z5C32 - L120	0998	50	5	120		32	40	-	-	●
		F90 - WN08 - D50Z4S22	0875	50	4	40	Shellmill	22	-	20	44	●
		F90 - WN08 - D50Z5S22	0976	50	5	40		22	-	20	44	●
		F90 - WN08 - D63Z5S22	0876	63	5	40		22	-	20	48	●
		F90 - WN08 - D63Z6S22	0977	63	6	40		22	-	20	48	●
		F90 - WN08 - D80Z4S27	0999	80	4	50		27	-	20	56	●
		F90 - WN08 - D80Z6S25.4	1000	80	6	50		25.4	-	26.64	56	●
		F90 - WN08 - D80Z7S27	0878	80	7	50		27	-	23	56	●
		F90 - WN08 - D80Z7S25.4	0877	80	7	50		25.4	-	26.64	56	●
		F90 - WN08 - D80Z9S27	0978	80	9	50		27	-	23	56	●
		F90 - WN08 - D100Z8S31.75 - WOC	1002	100	8	50		31.75	-	32	67	X
		F90 - WN08 - D100Z9S32	0979	100	9	50		32	-	26	67	●
		F90 - WN08 - D100Z11S32	0980	100	11	50		32	-	26	67	●
		F90 - WN08 - D125Z10S38.1 - WOC	1003	125	10	63		38.1	-	38	85	X
		F90 - WN08 - D125Z11S40	0981	125	11	63		40	-	29	85	●
		F90 - WN08 - D125Z14S40	0982	125	14	63		40	-	29	85	●
		M90 - WN08 - D32Z2M16	1004	32	2	65	Modular	M16	42	-	29	●
		M90 - WN08 - D40Z3M16	1005	40	3	65		M16	42	-	29	●
		M90 - WN08 - D40Z4M16	0984	40	4	65		M16	42	-	29	●

* Clamping Torque (Nm) 3.0Nm

WNEX0806	Screw	Wrench	Handle	BIT
Description	TP154011-GS	TPWBTP15	DH-H4	DB-TP15
EDP	18000251	18000217	18000189	18000208

Milling - Modular Shank

Modular Shanks



Unit:mm

Series	Designation	EDP 1700..	DCSFWS	TDZ	LF	LH	TYPE	DCON	
M08	EM - M08 - D13C16 - L100	0634	13	M08	100	40	Cylindrical	16	●
	EM - M08 - D15C16 - L130	0635	15	M08	130	70		16	●
M10	EM - M10 - D18C20 - L130	0636	18	M10	130	70	Cylindrical	20	●
M12	EM - M12 - D23C25 - L150	0637	23	M12	150	70	Cylindrical	25	●
	EM - M12 - D23C25 - L200	0638	23	M12	200	100		25	●
	EM - M12 - D23C25 - L250	0639	23	M12	250	150		25	●
M16	EM - M16 - D30C32 - L150	0640	30	M16	150	70	Cylindrical	32	●
	EM - M16 - D30C32 - L200	0641	30	M16	200	100		32	●
	EM - M16 - D30C32 - L250	0642	30	M16	250	150		32	●
	EM - M16 - D30C32 - L300	0643	30	M16	300	200		32	●

Mounting Bolt

DCON	Description	EDP
Ø16	YHBM08-L20	18000224
Ø16 HF	YHBM08-L25	18000238
Ø22	YHBM10-L25	18000239
Ø22 HF	YHBM10-L30	18000240
Ø25.4 (Metric O.D)	YHBM12-L30	18000241
Ø27	YHBM12-L30	18000241
Ø31.75 (Metric O.D)	YMBM16-L42	18000242
Ø32	YMBM16-L42	18000242
Ø32 HF	YMBM16-L50	18000258
Ø38.1 (Metric O.D)	YMBM20-L54	18000243
Ø40	YMBM20-L54	18000243
Ø0.5" (Ø12.7)	YHBU250-L25.4	18000244
Ø0.75" (Ø19.05)	YHBU375-L25.4	18000245
Ø0.75" (Ø19.05) HF	YHBU375-L31.75	18000246
Ø1.0" (Ø25.4)	YHBU500-L38.1	18000247
Ø1.25" (Ø31.75)	YMBU625-L52	18000248
Ø1.5" (Ø38.1)	YMBU750-L60	18000249
Ø2.0" (Ø50.8)	YMBU1000-L70	18000250