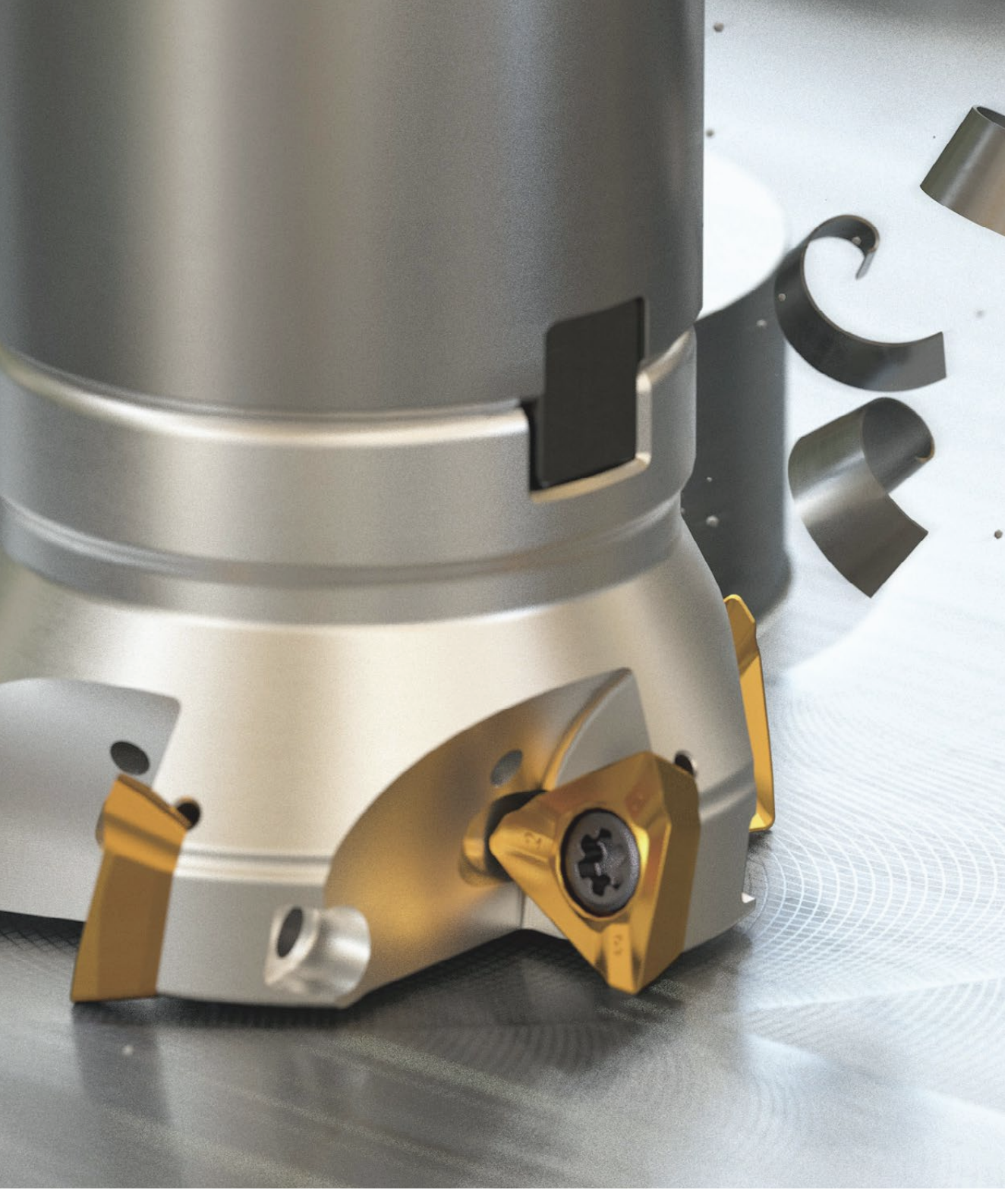


MILLING

Product Overview

Application Guide

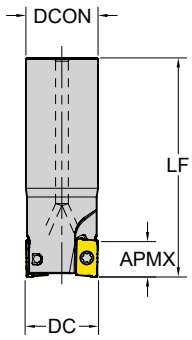
Milling Inserts & Cutter Overview

Milling Inserts & Cutter

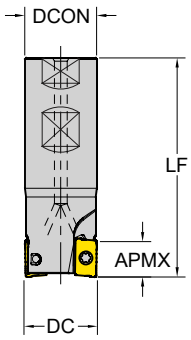
Scan this QR code to see our **YG FM10 Mill** at work.

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

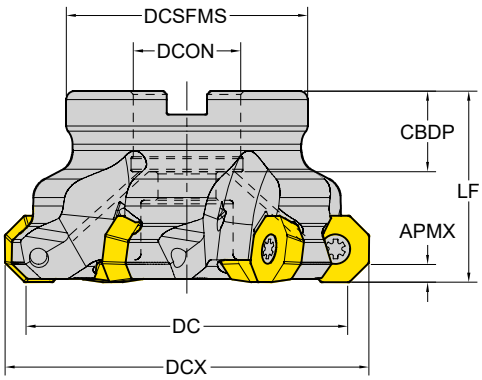
Code Keys - Milling Cutters



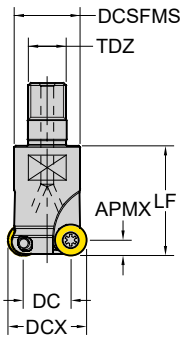
<C> Cylindrical



<W> Weldon



<S> Shellmill



<M> Modular

Cutting tool edge angle
(90˚)

Cutter Diameter
(Ø16)

Connection Type and Size
C - Cylindrical
W - Weldon
S - Shellmill
M - Modular
(Cylindrical Ø16)

* Shank Type Only

E	90	-	APKT10	-	D16	Z2	C16	-	L100
	KAPR				DC or DCX	CICT	DCON or TDZ		LF*

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

Insert Series
(APKT 10)

Number of Teeth
(Z=2)

Functional Length
(100mm)

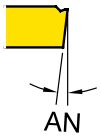
Insert ISO Code System

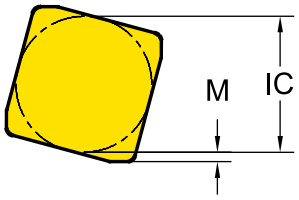
1	2	3	4	5	6	7
A	**P**	**K**	**T**	**16**	**04**	**08**
Shape	Relief Angle (AN)	Tolerance	Clamping & Chipbreaker	Insert Size	Insert Thickness (S)	Corner Radius

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°	 AN
C	Relief 7°	
P	Relief 11°	
D	Relief 15°	
E	Relief 20°	
F	Relief 25°	
O	Special	

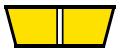
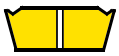


3 - Tolerance Class

Symbol	InnerCircleIC (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

Milling - Code System

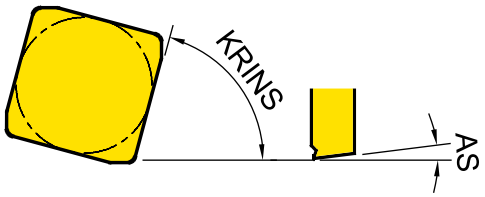
Insert ISO Code System

	page 147		page 146
8	9		10
PDTR	**-TR**		**YG602**
Corner Geometry	Chipbreaker		Grade

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

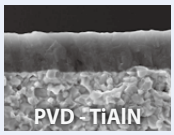
Symbol	Feed Direction	
R	Right-hand Insert	
N	Neutral Insert	
L	Left-hand Insert	

Milling Grades and Chipbreakers

Milling Grades

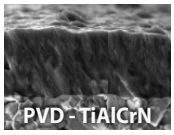
Milling Grades		P Steel	M Stainless steel	K Cast iron	N Non-ferrous	S Super alloys	H Hardened Steel
		P05 P15 P25 P35 P45	M05 M15 M25 M35	K05 K15 K25 K35	N05 N15 N25 N35	S05 S15 S25 S35	H05 H15 H25 H35
PVD	YG012	012					012
PVD	YG712	712					
PVD	YG713	713					
PVD	YG612	612	612			612	
PVD	YG622	622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

NEW
YG012
H10 - H30
P10 - P30



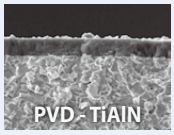
Optimized Milling Grade for Pre-Hardened & Hardened steel
- Applied Extreme Oxidaion PVD layer and Crack-free Substrate
- Excellent Cutting performance for Die & Mold applicaition

YG712
P10 - P30



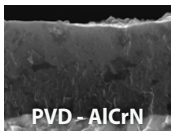
Milling Grade for Medium of Steel Application
- Superior wear resistance and excellent toughness in high speed machining
- Coating layer with high hardness and oxidation resistance

YG713
P15 - P25



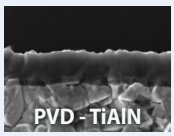
Milling Grade for General Steel Application
- Multi-layer TiAlN structure realizes stronger crater and flank wear resistance
- Fine-grained carbide and balanced substrate

YG622
P20 - P35
K20 - K40



Optimized Grade for High Alloyed or Prehardened Steel
Excellent for High Temperature Hardness and Oxidation Resistance at High Speed

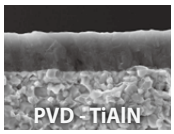
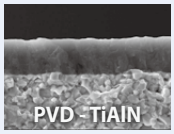
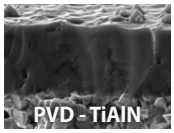
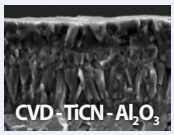
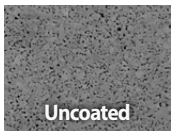
NEW
YG612
P20 - P40
M20 - M40
S20 - S40



Specialized Multi-Nano Coated Grade with high wear resistance and chipping resistance
- Special Multi-Nano coating prevent crack and providing predictible tool life
- Special universal Grade can acheive stable tool life in any workpiece

Milling Grades and Chipbreakers

Milling Grades

YG602 P20 - P35 M20 - M40 K20 - K40 S15 - S25		**Universal grade for General Milling Application** • Ultra Dense PVD Coating with optimal thermal resistance & strength • Sub-Micron substrate designed for demanding application
YG613 P30 - P50 M30 - M40		**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		**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 Milling grade for Cast Iron** • CVD coating for Excellent wear resistance • Improved Toughness for chipping resistance
YG50 N05 – N20		**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

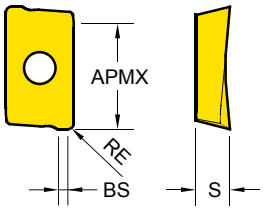
Milling Inserts Overview

Recommended Cutting Conditions : p.223

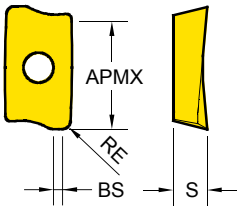
A 2 Corner	 Positive	**ADKT**	ADKT 1505	p. 149
		AOMT	AOMT 1236	p. 149
		APGT	APGT 1003, 1604	p. 150
		APKT	APKT 1003, 1604	p. 151
		APMT	APMT 1135, 1504, 1604	p. 152
E 4 Corner	 Negative	**ENMX**	ENMX 0604 ENMX 0905	p. 153
O Octagon	 Positive	**ODMT / ODMW**	ODMT / ODMW 0605	p. 155
		OFER	OFER 0704	p. 156
		OFMT	OFMT 05T3	
	 Negative	**ONMU / ONHU**	ONMU / ONHU 0806	p. 157
P 10 Corner	 Negative	**PNMU**	PNMU1206	p. 158
R Round	 Positive Round	**RDKT / RDKW**	RDKT 0802, 10T3, 1204, 1604 RDKW 0501, 0702, 0802, 10T3, 1204	p. 159
		RDMT / RDMW	RDMT 0802, 0803, 10T3, 1204 RDMW 0802, 10T3, 1204	p. 160
		RPMT / RPMW	RPMT 08T2, 10T3, 1204 RPMW 1003, 1204	p. 161
S Square	 High Feed	**SDMT / SDMW**	SDMT 1204, SDMW 1204	p. 163
	 Positive	**SDCN (45°) / SDKN**	SDKN, SDCN 1203, 1504	p. 162
		SEGT	SEGT12T3, 1204	p. 164
		SEKR (45°) / SEKN	SEKR, SEKN 1203	p. 167
		SEKT	SEKT 12T3, 1204	p. 165
		SEMT	SEMT1204, 13T3	p. 166
		SPMT	SPMT 1204	p. 170
	 Negative	**SNMX**	SNMX1206	p. 168
	 ISO	**SPCN(75°) / SPKN / SPKR'**	SPKN 1203, 1504 SPKR 1203 SPCN 1203, 1504	p. 169
		SPUN	SPUN 1203	p. 171
T Triangle	NEW  Positive 3 Corner	**TPKT**	TPKT 1104, TPKT 1605	p. 172
	 ISO	**TPCN(90°) / TPKN / TPKR**	TPKN 1603, 2204 TPKR 1603, 2204 TPCN 2204	p. 173
		TPUN	TPUN 1603	p. 174
W Trigon	NEW  Negative 6 Corner	**WNEX**	WNEX0806	p. 175

Milling - Shoulder Milling - Inserts

ADKT / AOMT - Shoulder Milling Positive (2 Corner)



<ADKT>



<AOMT>

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

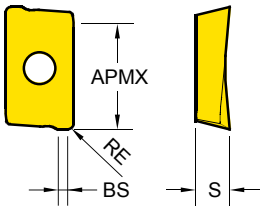
EDP 1200..

●: Stock item ○: Order made item

ADKT	Designation	RE (mm)	Fz (mm/tooth)	BS (mm)	YG012	YG712	YG713	YG622	YG612	YG602	YG613	YG5020	YG501
					H20 P20	P15	P25	P30 K30	P30 M30 S30	P30 M30	P40 M40 S40	K10	K15
ADKT General 	ADKT 150508 PDTR	0.8	0.05 ~ 0.24	1.87						● 0220			
	ADKT 150516 PDTR	1.6	0.05 ~ 0.24	1.73						● 0755			
	ADKT 150524 PDTR	2.4	0.05 ~ 0.24	1.20						● 0756			
	ADKT 150532 PDTR	3.2	0.05 ~ 0.24	0.30						● 0757			

AOMT	Designation	RE (mm)	Fz (mm/tooth)	BS (mm)	YG012	YG712	YG713	YG622	YG612	YG602	YG613	YG5020	YG501
AOMT General 	AOMT 123604 PDTR	0.4	0.03 ~ 0.06	1.07						● 0217			
	AOMT 123608 PDTR	0.8	0.03 ~ 0.06	0.91						● 0218	● 0613		

APGT - Shoulder Milling Positive (2 Corner)



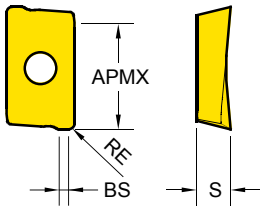
Series	APMX	IC	S
APGT 1035	9	6.7	3.6
APGT 1604	14	9.4	5.3

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

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

Milling - Shoulder Milling - Inserts

APKT - Shoulder Milling Positive (2 Corner)



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

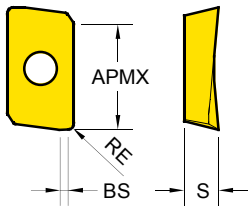
EDP 1200..

●: Stock item ○: Order made item

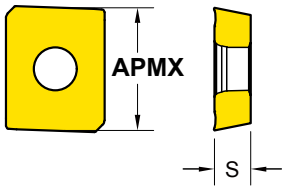
APKT		Designation	RE (mm)	Fz (mm/tooth)	BS (mm)	H20 P20 YG012	P15 YG712	P25 YG713	P30 K30 YG622	P30 M30 S30 YG612	P30 M30 YG602	P40 M40 S40 YG613	K10 YG5020	K15 YG501
APKT General		APKT 100305 PDTR	0.5	0.05 ~ 0.24	0.86	● 0749		○ 0638	○ 0429		● 0005	● 0672		
		APKT 100308 PDTR	0.8	0.05 ~ 0.24	0.90	● 0750		○ 0632	○ 0430		● 0004	● 0610		
		APKT 100316 PDTR	1.6	0.05 ~ 0.24	1.03						● 0713	● 0714		
		APKT 160404 PDTR	0.4	0.05 ~ 0.25	1.11			○ 0656			● 0003			
		APKT 160408 PDTR	0.8	0.05 ~ 0.25	1.32	● 0797		○ 0633			● 0001	● 0607		● 0796
		APKT 160412 PDTR	1.2	0.05 ~ 0.25	1.13			○ 0649			● 0002			
		APKT 160416 PDTR	1.6	0.05 ~ 0.25	1.13			○ 0661			● 0006			
		APKT 160424 PDTR	2.4	0.05 ~ 0.25	1.2			○ 0653			● 0255			
		APKT 160432 PDTR	3.2	0.05 ~ 0.25	0.4						● 0738			
-ST Stainless Steel Super Alloy		APKT 100305 - ST	0.5	0.05 ~ 0.12	0.86						● 0278	● 0618		
		APKT 100312 - ST	1.2	0.05 ~ 0.12	1.32							● 0776		
		APKT 100316 - ST	1.6	0.05 ~ 0.12	1.03							● 0719		
		APKT 160408 - ST	0.8	0.05 ~ 0.12	1.32						● 0270	● 0617		
-TR Hardened Steel		APKT 160404 - TR	0.4	0.05 ~ 0.40	2.12				○ 0505		● 0492			
		APKT 160408 - TR	0.8	0.05 ~ 0.40	1.32	● 0746		○ 0637	○ 0337		● 0256			
		APKT 160412 - TR	1.2	0.05 ~ 0.40	2.40				○ 0523		● 0493			
		APKT 160416 - TR	1.6	0.05 ~ 0.40	2.40	● 0747			○ 0524		● 0472			
		APKT 160424 - TR	2.4	0.05 ~ 0.40	1.50	● 0748			○ 0520		● 0494			

Milling - Shoulder Milling - Inserts

APMT - Shoulder Milling Positive (2 Corner)



<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

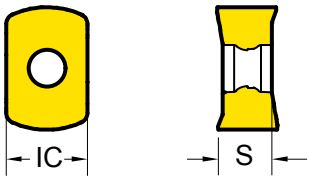
EDP 1200..
●: Stock item ○: Order made item

APMT	Designation	RE (mm)	Fz (mm/tooth)	BS (mm)	H20 P20 YG012	P15 YG712	P25 YG713	P30 K30 YG622	P30 M30 S30 YG612	P30 M30 YG602	P40 M40 S40 YG613	K10 YG5020	K15 YG501
APMT General	APMT 113504 PDTR	0.4	0.05 ~ 0.24	1.26	● 0752		○ 0655	○ 0400		● 0009			
	APMT 113508 PDTR	0.8	0.05 ~ 0.24	1.07			○ 0654			● 0010	● 0668		
	APMT 160408 PDTR	0.8	0.05 ~ 0.24	1.11	● 0751	● 0423	○ 0642	○ 0399		● 0008	● 0663		● 0464
APMT 1504 General	APMT 1504		0.05 ~ 0.24					○ 0445		● 0276			

Milling - High Feed Milling - Inserts

ENMX - High Feed Negative (4 Corners)

Series	IC	S
ENMX 0604	6.3	4.21
ENMX 0905	9.0	5.40

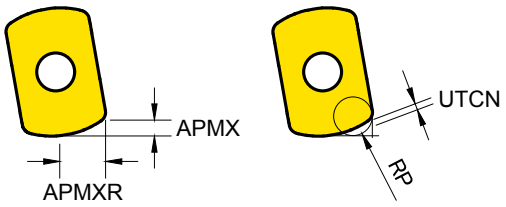


EDP 1200..

●: Stock item ○: Order made item

ENMX		Designation	RE (mm)	Fz (mm/tooth)	BS (mm)	H20 P20 YG012	P15 YG712	P25 YG713	P30 K30 YG622	P30 M30 S30 YG612	P30 M30 YG602	P40 M40 S40 YG613	K10 YG5020	K15 YG501
ENMX General		ENMX 0604		0.3 ~ 2.0		● 0734					● 0474	● 0606		
		ENMX 0905		0.3 ~ 2.5		● 0736					● 0702	● 0703		
- ST Stainless Steel		ENMX 0604 - ST		0.1 ~ 0.8							● 0623	● 0625		
		ENMX 0905 - ST		0.2 ~ 1.2							● 0705	● 0706		
- TR Hardened Steel		ENMX 0604 - TR		0.3 ~ 2.5		● 0733	● 0504	○ 0636			● 0459			
		ENMX 0905 - TR		0.3 ~ 3.0		● 0735					● 0600			

ENMX 0604

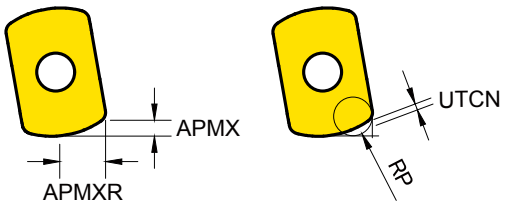


Unit : mm

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

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°	R2.0	0.3	22	32	0.9	12.5
17	0.9	3.5	1.9°	R2.0	0.3	24	34	0.9	13.5
20	1	3.7	1.8°	R2.0	0.31	29	40	1	16.3
21	1	3.7	1.8°	R2.0	0.31	31	42	1	17.3
25	1	3.7	1.2°	R2.0	0.31	39	50	1	21.3
26	1	3.7	1.2°	R2.0	0.31	41	52	1	22.3
32	1	3.7	0.8°	R2.0	0.31	53	64	1	28.3
33	1	3.7	0.8°	R2.0	0.31	55	66	1	29.3
40	1	3.7	0.6°	R2.0	0.31	69	80	1	36.3
50	1	3.7	0.5°	R2.0	0.31	89	98	1	46.3
63	1	3.7	0.4°	R2.0	0.31	115	126	1	59.3

ENMX 0905



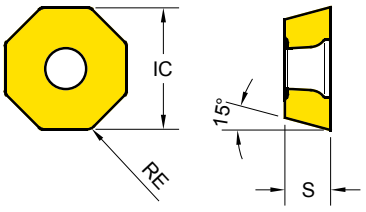
Unit : mm

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

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 - Face Milling - Inserts

ODMT, ODMW - Face Milling Positive (8 Corners)



Series	IC	S
ODM* 0605	15.9	5.6

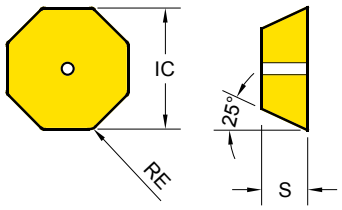
EDP 1200..

●: Stock item ○: Order made item

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

Milling - Face Milling - Inserts

OFER, OFMT - Face Milling Positive (8 Corners)



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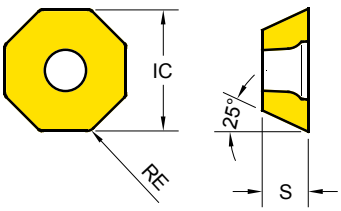


<OFMT>

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

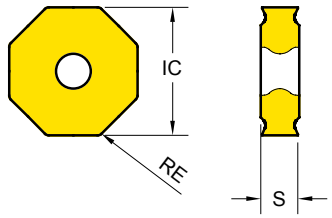
EDP 1200..
●: Stock item ○: Order made item

OFER	Designation	RE (mm)	Fz (mm/tooth)	BS (mm)	H20 P20 YG012	P15 YG712	P25 YG713	P30 K30 YG622	P30 M30 S30 YG612	P30 M30 YG602	P40 M40 S40 YG613	K10 YG5020	K15 YG501
OFER General 	OFER 070405	0.5	0.05 ~ 0.30							● 0209			

OFMT	Designation	RE (mm)	Fz (mm/tooth)	BS (mm)	YG012	YG712	YG713	YG622	YG612	YG602	YG613	YG5020	YG501
OFMT General 	OFMT 05T308	0.8	0.05 ~ 0.20							● 0032			

Milling - Face Milling - Inserts

ONHU / ONMU - Face Milling Negative (16 Corners)



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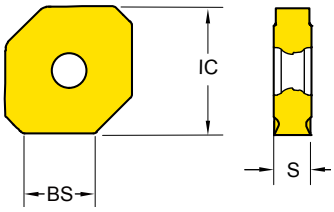


<ONHU>

Series	IC	S
ON*U 0806	20.2	5.8

EDP 1200..

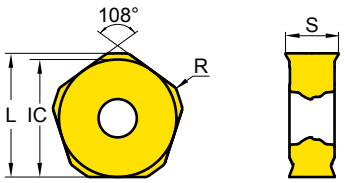
●: Stock item ○: Order made item

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

Milling - Face Milling - Inserts

PNMU - Face Milling Negative (10 Corners)

Series	KRINS	IC	S
PNMU 1206	36	14.0	5.84



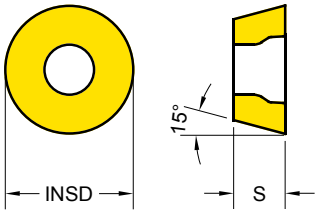
EDP 1200..

●: Stock item ○: Order made item

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

Milling - Profiling - Inserts

RDKT / W- Profiling Positive (Round)



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

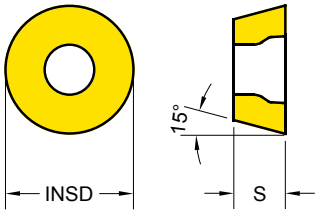
EDP 1200..

●: Stock item ○: Order made item

RDKT RDKW		Designation	Fz (mm/tooth)	H20 P20 YG012	P15 YG712	P25 YG713	P30 K30 YG622	P30 M30 S30 YG612	P30 M30 YG602	P40 M40 S40 YG613	K10 YG5020	K15 YG501
RDKT General		RDKT 0802M0	0.05 ~ 0.25						● 0035			
		RDKT 10T3M0	0.05 ~ 0.30			○ 0651			● 0041			
		RDKT 1204M0	0.05 ~ 0.50			○ 0635			● 0034	● 0678		
		RDKT 1604M0	0.05 ~ 0.50						● 0539			
-ST Stainless Steel Super Alloy		RDKT 0802M0 - ST	0.05 ~ 0.15						● 0292			
		RDKT 10T3M0 - ST	0.05 ~ 0.20						● 0293	● 0620		
		RDKT 1204M0 - ST	0.05 ~ 0.30						● 0294	● 0621		
-TR Hardened Steel		RDKT 0802M0 - TR	0.05 ~ 0.35	● 0745			○ 0339		● 0284			
		RDKT 10T3M0 - TR	0.05 ~ 0.40	● 0744			○ 0338		● 0285			
		RDKT 1204M0 - TR	0.05 ~ 0.60	● 0743		○ 0650	○ 0340		● 0272			
RDKW Hard Materials		RDKW 0501M0	0.05 ~ 0.20				○ 0412		● 0207			
		RDKW 0702M0	0.05 ~ 0.25			○ 0652	○ 0439		● 0208			
		RDKW 0802M0	0.05 ~ 0.30				○ 0440		● 0043			
		RDKW 10T3M0	0.05 ~ 0.40				○ 0441		● 0040			
		RDKW 1204M0	0.05 ~ 0.60			○ 0647	○ 0442		● 0042			
		RDKW 1604M0	0.05 ~ 0.60	● 0817					● 0720			

Milling - Profiling - Inserts

RDMT / W- Profiling Positive (Round)



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			

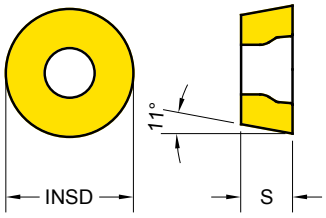
EDP 1200..

●: Stock item ○: Order made item

RDMT RDMW		Designation	Fz (mm/tooth)	H20 P20 YG012	P15 YG712	P25 YG713	P30 K30 YG622	P30 M30 S30 YG612	P30 M30 YG602	P40 M40 S40 YG613	K10 YG5020	K15 YG501
RDMT General		RDMT 0602M0	0.05 ~ 0.20						● 0693			
		RDMT 0802M0	0.05 ~ 0.25						● 0245			
		RDMT 0803M0	0.05 ~ 0.25						● 0225			
		RDMT 10T3M0	0.05 ~ 0.30						● 0246			
		RDMT 1204M0	0.05 ~ 0.50						● 0226			
RDMW Hard Materials		RDMW 0802M0	0.05 ~ 0.30						● 0227			
		RDMW 10T3M0	0.05 ~ 0.40						● 0228			
		RDMW 1204M0	0.05 ~ 0.60						● 0229			

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

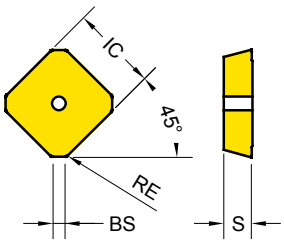
EDP 1200..

●: Stock item ○: Order made item

RPMT RPMW		Designation	Fz (mm/tooth)	H20 P20 YG012	P15 YG712	P25 YG713	P30 K30 YG622	P30 M30 S30 YG612	P30 M30 YG602	P40 M40 S40 YG613	K10 YG5020	K15 YG501
RPMT General		RPMT 08T2M0	0.05 ~ 0.25			○ 0660			● 0038	● 0676		
		RPMT 10T3M0	0.05 ~ 0.30			○ 0644			● 0036	● 0665		
		RPMT 1204M0	0.05 ~ 0.50		● 0415	○ 0643	○ 0401		● 0037	● 0664		● 0462
-ST Stainless Steel Super Alloy		RPMT 1204M0 - ST	0.05 ~ 0.30						● 0230	● 0667		
RPMW Hard Materials		RPMW 1003M0	0.05 ~ 0.40			○ 0646	○ 0402		● 0204			
		RPMW 1204M0	0.05 ~ 0.60			○ 0648			● 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

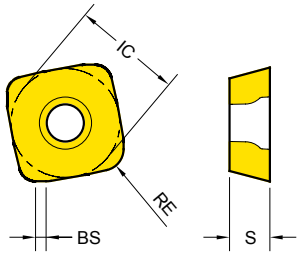
EDP 1200..
●: Stock item ○: Order made item

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



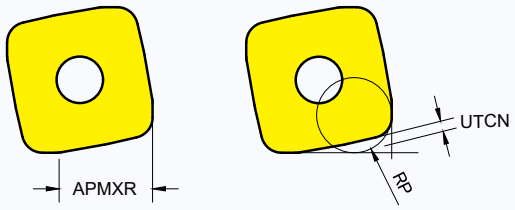
Series	IC	S
SDM* 1204	12.7	4.7

EDP 1200..

●: Stock item ○: Order made item

SDMT SDMW	Designation	RE (mm)	Fz (mm/tooth)	BS (mm)	H20 P20 YG012	P15 YG712	P25 YG713	P30 K30 YG622	P30 M30 S30 YG612	P30 M30 YG602	P40 M40 S40 YG613	K10 YG5020	K15 YG501
-ST Stainless Steel Super Alloy 	SDMT 120420 - ST	1.9	0.60 ~ 1.20	1.45						● 0274	● 0666		
SDMW Hard Materials 	SDMW 120420	1.9	0.60 ~ 1.40	1.4	● 0737		○ 0634	○ 0341		● 0273	● 0691		

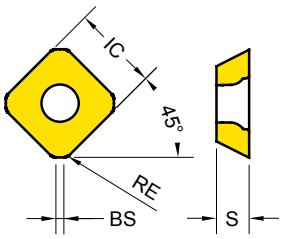
Technical Information



APMXR Radial AP Max	RP Programmed Corner R	UTCN Uncut Thickness
8.6	R3.5	0.94

Milling - Face Milling - Inserts

SEGT - Face Milling Positive (4 Corners)



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

EDP 1200..

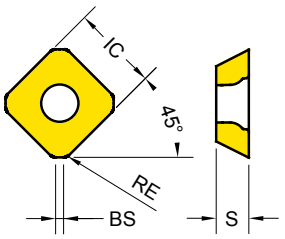
●: Stock item ○: Order made item

SEGT 1204	Designation	RE (mm)	Fz (mm/tooth)	BS (mm)	H20 P20	P15	P25	P30 K30	P30 M30 S30	P30 M30	P40 M40 S40	K10	N15
					YG012	YG712	YG713	YG622	YG612	YG602	YG613	YG5020	YG50
-AL Aluminium	SEGT 1204 - AL	1.2	0.05 ~ 0.30	2.01									● 0467

SEGT 12T3	Designation	RE (mm)	Fz (mm/tooth)	BS (mm)	YG012	YG712	YG713	YG622	YG612	YG602	YG613	YG5020	YG50
-AL Aluminium	SEGT 12T3 - AL	1.2	0.05 ~ 0.30	1.94									● 0468

Milling - Face Milling - Inserts

SEKT - Face Milling Positive (4 Corners)



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

EDP 1200..

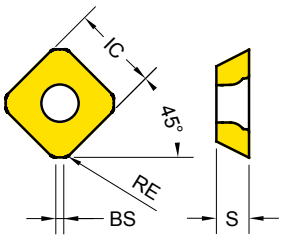
●: Stock item ○: Order made item

SEKT 1204	Designation	RE (mm)	Fz (mm/tooth)	BS (mm)	YG012	YG712	YG713	YG622	YG612	YG602	YG613	YG5020	YG501
					H20 P20	P15	P25	P30 K30	P30 M30 S30	P30 M30	P40 M40 S40	K10	K15
SEKT 1204 General 	SEKT 1204 AFTN	1.1	0.20 ~ 0.35	1.18				○ 0416		● 0055			
-ST Stainless Steel Super Alloy 	SEKT 1204 - ST	1.1	0.08 ~ 0.30	2.00						● 0257	● 0722		

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

Milling - Face Milling - Inserts

SEMT - Face Milling Positive (4 Corners)



Series	IC	S
SEMT1204	12.92	5.1
SEMT13T3	13.40	4.0

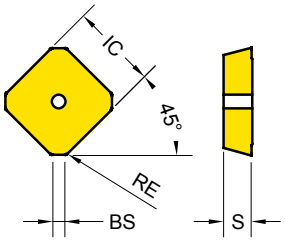
EDP 1200..

●: Stock item ○: Order made item

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

Milling - Face Milling - Inserts

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



Series	IC	S
SEK* 1203	12.7	3.2

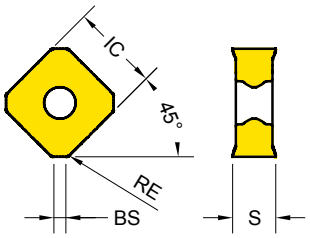
EDP 1200..
●: Stock item ○: Order made item

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

- PW : for Improved Surface Roughness
- GW : Ground Wiper

Milling - Face Milling - Inserts

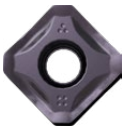
SNMX - Face Milling Negative (8 Corners)



Series	IC	S
SNMX 1206	12.7	6.25

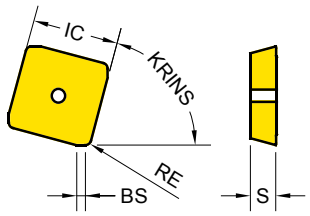
EDP 1200..

●: Stock item ○: Order made item

SNMX	Designation	RE (mm)	Fz (mm/tooth)	BS (mm)	H20 P20 YG012	P15 P25 YG712	P25 YG713	P30 K30 YG622	P30 M30 S30 YG612	P30 M30 YG602	P40 M40 S40 YG613	K10 YG5020	K15 YG501
SNMX General 	SNMX 1206 ANN	0.8	0.05 ~ 0.24	1.70	● 0754		○ 0658			● 0231	● 0674	● 0460	
	SNMX 1206 QNN	0.8	0.05 ~ 0.24	1.99		● 0732						● 0731	● 0686

Milling - Face Milling - Inserts

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



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

EDP 1200..

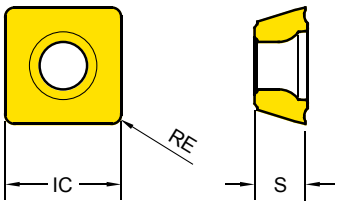
●: Stock item ○: Order made item

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

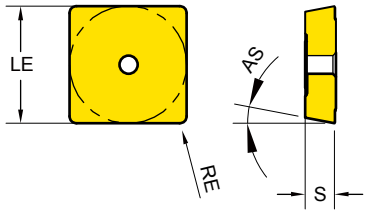
EDP 1200..

●: Stock item ○: Order made item

SPMT	Designation	RE (mm)	Fz (mm/tooth)	BS (mm)	H20 P20 YG012	P15 YG712	P25 YG713	P30 K30 YG622	P30 M30 S30 YG612	P30 M30 YG602	P40 M40 S40 YG613	K10 YG5020	K15 YG501
SPMT General 	SPMT 120408	0.8	0.05 ~ 0.24							● 0223			

Milling - Face Milling - Inserts

SPUN - Universal Positive (4 Corners ISO)



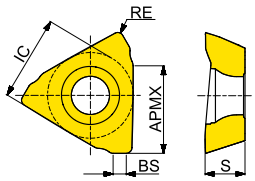
Series	AS	IC	S
SPUN 1203	11°	12.7	3.2

EDP 1200..

●: Stock item ○: Order made item

SPUN	Designation	RE (mm)	Fz (mm/tooth)	BS (mm)	H20 P20	P15	P25	P30 K30	P30 M30 S30	P30 M30	P40 M40 S40	K10	K15
					YG012	YG712	YG713	YG622	YG612	YG602	YG613	YG5020	YG501
 **SPUN** General	SPUN 120308	0.8	0.05 ~ 0.29							● 0224			

TPKT - Shoulder Milling Positive (3 Corner ISO)



Series	KRINS	IC	S
TP** 1104	90	7.54	4.28
TP** 1605	90	11.66	5.38

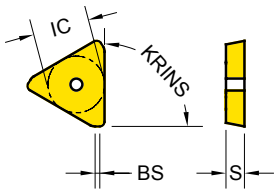
EDP 1200..

●: Stock item ○: Order made item

TPKT	Designation	RE (mm)	Fz (mm/tooth)	BS (mm)	H20 P20	P15	P25	P30 K30	P30 M30 S30	P30 M30	P40 M40 S40	K10	K15
					YG012	YG712	YG713	YG622	YG612	YG602	YG613	YG5020	YG501
NEW TPKT General 	TPKT 110404R-GN	0.4	0.05~0.24	1.60	● 0802	● 0807			● 0801			● 0808	
	TPKT 110408R-GN	0.8	0.05~0.24	1.15	● 0804	● 0811			● 0803			● 0812	
	TPKT 110416R-GN	1.6	0.05~0.24	0.60	● 0806	● 0815			● 0805			● 0816	
	TPKT 160508R-GN	0.8	0.05~0.27	1.79	● 0781	● 0779			● 0718			● 0780	
	TPKT 160516R-GN	1.6	0.05~0.27	1.20	● 0785	● 0786			● 0784			● 0787	
	TPKT 160524R-GN	2.4	0.05~0.27	0.70	● 0789	● 0790			● 0788			● 0791	
NEW -ST Stainless Steel Super Alloy 	TPKT 110404R-ST	0.4	0.05~0.15	1.60					● 0809		● 0810		
	TPKT 110408R-ST	0.8	0.05~0.15	1.15					● 0813		● 0814		
	TPKT 160508R-ST	0.8	0.05~0.15	0.60					● 0758		● 0759		

Milling - Shoulder Milling - Inserts

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



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

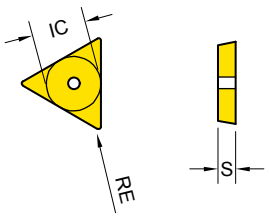
EDP 1200..

●: Stock item ○: Order made item

TPCN TPKN TPKR		Designation	RE (mm)	Fz (mm/tooth)	BS (mm)	H20 P20 YG012	P15 YG712	P25 YG713	P30 K30 YG622	P30 M30 S30 YG612	P30 M30 YG602	P40 M40 S40 YG613	K10 YG5020	K15 YG501
TPCN Ground insert		TPCN 2204 PDSR - M		0.05 ~ 0.20	1.76		● 0180							
		TPCN 2204 PDSR - MR		0.05 ~ 0.20	1.76		● 0202							
TPKN Hard Materials		TPKN 1603 PDTR		0.05 ~ 0.21	1.2						● 0062			
		TPKN 1603 PDTR - GW		0.05 ~ 0.15	1.6						● 0306			
		TPKN 1603 PDTR - PW		0.05 ~ 0.30	1.2						● 0302			
		TPKN 2204 PDTR		0.05 ~ 0.24	1.7						● 0063			
		TPKN 2204 PDTR - GW		0.05 ~ 0.45	2.5						● 0307			
		TPKN 2204 PDTR - PW		0.05 ~ 0.29	1.7						● 0303			
TPKR General		TPKR 1603 PDTR		0.15 ~ 0.28	1.2						● 0060	● 0690		
		TPKR 1603 PDTR - PW		0.11 ~ 0.20	1.2						● 0300			
		TPKR 2204 PDTR		0.18 ~ 0.35	1.7						● 0061	● 0715		
		TPKR 2204 PDTR - PW		0.18 ~ 0.35	1.7						● 0301			

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

TPUN - Universal Positive (3 Corners ISO)



Series	IC	S
TPUN 1603	9.53	3.18

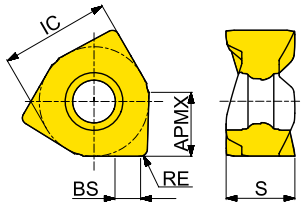
EDP 1200..

●: Stock item ○: Order made item

TPUN	Designation	RE (mm)	Fz (mm/tooth)	BS (mm)	H20 P20 YG012	P15 YG712	P25 YG713	P30 K30 YG622	P30 M30 S30 YG612	P30 M30 YG602	P40 M40 S40 YG613	K10 YG5020	K15 YG501
TPUN	TPUN 160308	0.8	0.08 ~ 0.15							● 0064			

Milling - Shoulder Milling - Inserts

WNEX - Shoulder Milling Negative (6 Corners) NEW



Series	IC	S
WNE* 0806	12.9	6.25

EDP 1200..

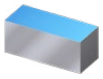
●: Stock item ○: Order made item

WNEX	Designation	RE (mm)	Fz (mm/tooth)	BS (mm)	H20 P20 YG012	P15 YG712	P25 YG713	P30 K30 YG622	P30 M30 S30 YG612	P30 M30 YG602	P40 M40 S40 YG613	K10 YG5020	K15 YG501
NEW WNEX General 	WNEX 080604R-GN	0.4	0.05~0.26	3.2	● 0856	● 0857			● 0855			● 0858	
	WNEX 080608R-GN	0.8	0.05~0.26	2.8	● 0859	● 0792			● 0854		● 0793	● 0794	● 0795
	WNEX 080612R-GN	1.2	0.05~0.26	2.4	● 0877	● 0878			● 0885			● 0879	
	WNEX 080616R-GN	1.6	0.05~0.26	2.0	● 0861	● 0862			● 0860			● 0863	
	WNEX 080620R-GN	2.0	0.05~0.26	1.6	● 0882	● 0883			● 0886			● 0884	
NEW -ST Stainless Steel Super Alloy 	WNEX 080604R-ST	0.4	0.05~0.19	3.6					● 0864		● 0865		
	WNEX 080608R-ST	0.8	0.05~0.19	3.3					● 0866		● 0867		
	WNEX 080612R-ST	1.2	0.05~0.19	2.8					● 0875		● 0876		
	WNEX 080616R-ST	1.6	0.05~0.19	2.4					● 0868		● 0869		
	WNEX 080620R-ST	2.0	0.05~0.19	2.0					● 0880		● 0881		

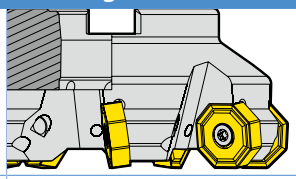
Milling Cutters Overview

Mounting Bolt : p. 197

Face Milling

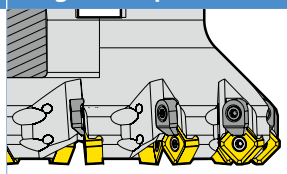


Negative Octagonal



ONMU 0806

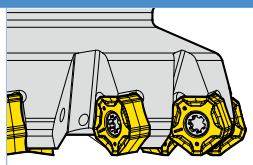
Negative Square



SNMX 1206

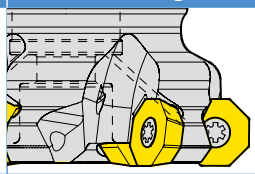
	ONMU 0806	SNMX 1206
APMX	5.5	6
DC	Ø63~315	Ø50~200
page	185	192

Negative 10 Corner

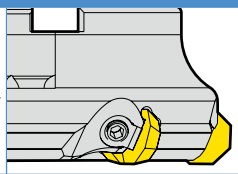


PNMU 1206

Positive Octagonal



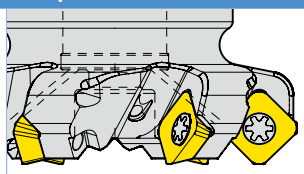
ODMT/ODMW 0605



OFER 0704

	PNMU 1206	ODMT/ODMW 0605	OFER 0704
APMX	4	3.5	5
DC	Ø50~125	Ø63~125	Ø63~160
page	186	184	184

Positive Square

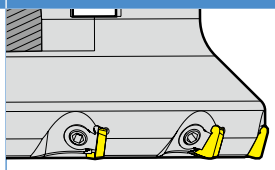


SEKT 1204

SEKT 12T3

SEGT 1204

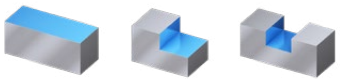
ISO



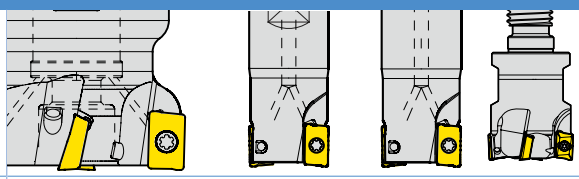
SPKN/SPKR/SPCN 1203

	SEKT 1204	SEKT 12T3	SEGT 1204	SPKN/SPKR/SPCN 1203
APMX	6	6	6	8
DC	Ø40~160	Ø50~160	Ø50~160	Ø50~200
page	190	190	190	191

Shoulder Milling



2 Corner Positive

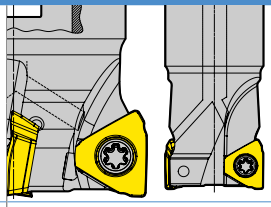


APKT 1003

APKT 1604

	APKT 1003	APKT 1604
APMX	9	14
DC	Ø16~100	Ø25~200
page	178 - 179	180 - 181

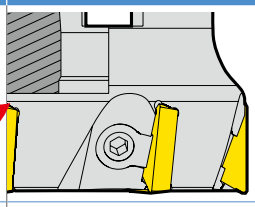
3 Corner Positive



NEW TPKT 1104

NEW TPKT 1605

ISO



TPKN/TPKR/ TPCN 1603

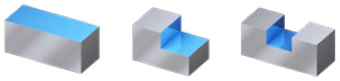
TPKN/TPKR/ TPCN 2204

	TPKT 1104	TPKT 1605	TPKN/TPKR/ TPCN 1603	TPKN/TPKR/ TPCN 2204
APMX	7.0	11.0	12	18
DC	20~63	32~200	Ø50~125	Ø63~315
page	194	195	193	193

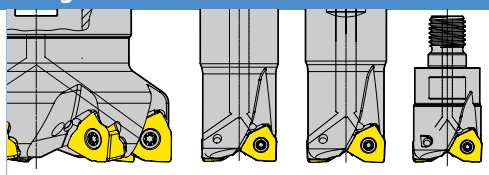
Milling Cutters Overview

Mounting Bolt : p. 197

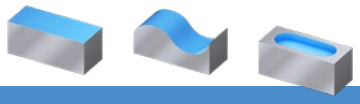
Shoulder Milling



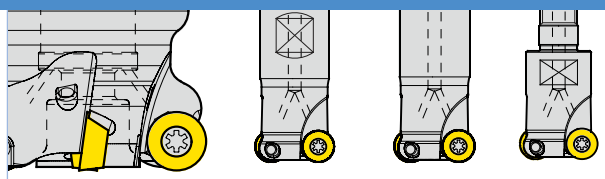
6 Corner Negative

Cutter		 NEW WNEX0806
APMX		7
DC		Ø32~125
page		196

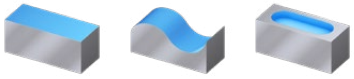
Profiling



Round Positive

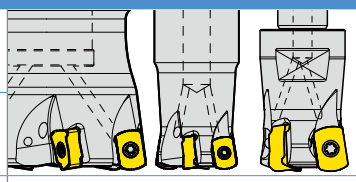
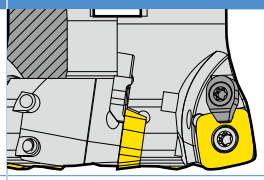
Cutter		 RDKT / RDKW		
APMX		0802 4	10T3 5	1204 6
DCX		Ø16~25	Ø20~63	Ø25~100
page		187	187	188

High Feed Milling



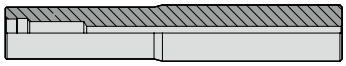
Negative 4 Corner

Positive 4 Corner

Cutter		 ENMX 0604	ENMX 0604	ENMX 0905		 SDMT/SDMW 1204
APMX		0.9	1	1.5		1.8
DCX		Ø16~18	Ø20~50	Ø25~125		Ø32~100
page		182	182	183		189

Modular Shank

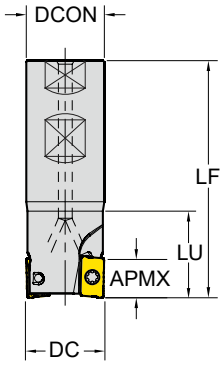
Modular Shank for Modular Head

Cutter		M08 ~ M16
page		197

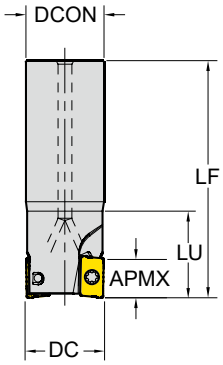
Cutters for APKT

Cutting Angle : 90°
2 Corner Positive

<W> Weldon



<C> Cylindrical



CICT : Number of Inserts
CBDP : Connection Bore Depth

: p. 151

Unit:mm

Series	APMX	Designation	EDP 1700..	DC	CICT	LU	LF	TYPE	DCON	CBDP	DCSFMS	PCD1	PCD2	
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

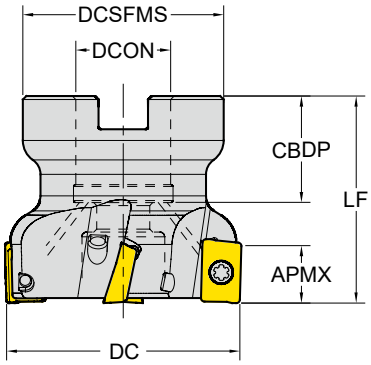
APKT10	Screw (Cutter D16~D20)	Screw (Cutter D20~)	Wrench
Descritpion	TP072505	TP072506	TPWFTP07
EDP	18000016	18000013	18000001

Milling - Shoulder Milling - Cutter

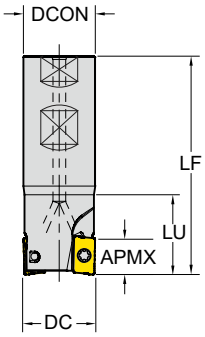
Cutters for APKT

Cutting Angle : 90°
2 Corner Positive

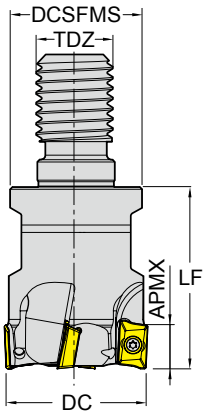
<S> Shellmill



<W> Weldon



<M> Modular



CICT : Number of Inserts
CBDP : Connection Bore Depth

: p. 151

Unit:mm

Series	APMX	Designation	EDP 1700..	DC	CICT	LU	LF	TYPE	DCON /TDZ	CBDP	DCSFMS	PCD1	PCD2	
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

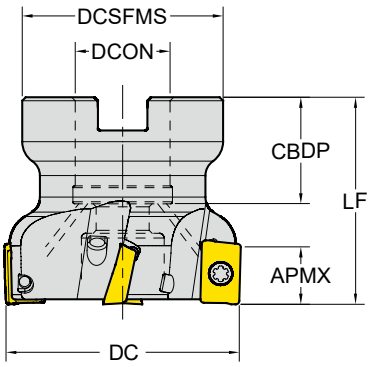
APKT10	Screw (Cutter D16~D20)	Screw (Cutter D20~)	Wrench
Descritpion	TP072505	TP072506	TPWFTP07
EDP	1800016	18000013	18000001

Milling - Shoulder Milling - Cutter

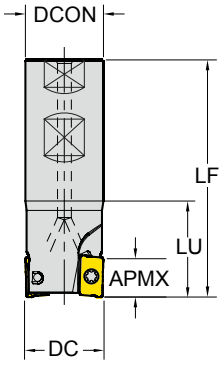
Cutters for APKT

Cutting Angle : 90°
2 Corner Positive

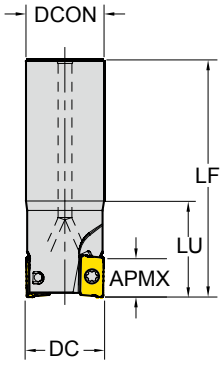
<S> Shellmill



<W> Weldon



<C> Cylindrical



CICT : Number of Inserts
CBDP : Connection Bore Depth

: p. 151

Unit:mm

Series	APMX	Designation	EDP 1700..	DC	CICT	LU	LF	TYPE	DCON	CBDP	DCSFMS	PCD1	PCD2	
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		32	-	-	-	-	X
		E90 - APKT16 - D25Z2W25 - L100	0562	25	2	35	100	Weldon	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	-	-	-	-	●
		F90 - APKT16 - D40Z4S16	0275	40	4	-	40	Shellmill	16	20	36	-	-	●
		F90 - APKT16 - D50Z5S22	0095	50	5	-	40		22	20	45	-	-	●

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* Clamping Torque (Nm) 3.0Nm

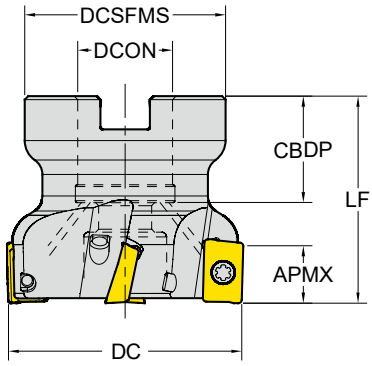
APKT16	Screw	Wrench
Descritpion	TP154008	TPWFTP15
EDP	18000006	18000003

Milling - Shoulder Milling - Cutter

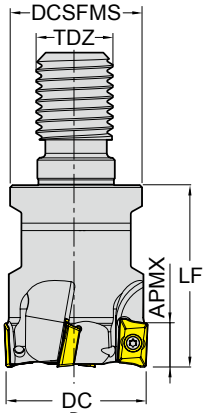
Cutters for APKT

Cutting Angle : 90˚
2 Corner Positive

<S> Shellmill



<M> Modular



CICT : Number of Inserts
CBDP : Connection Bore Depth

: p. 151

Unit :mm

Series	APMX	Designation	EDP 1700..	DC	CICT	LU	LF	TYPE	DCON /TDZ	CBDP	DCSFMS	PCD1	PCD2	
APKT 1604	14.0	F90 - APKT16 - D52Z5S22	0567	52	5	-	40	Shellmill	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		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	66.7	-	X
		F90 - APKT16 - D200Z12S60 - WOC	0569	200	12	-	63		60	40	130	101.6	-	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	-	-	●

* Clamping Torque (Nm) 3.0Nm

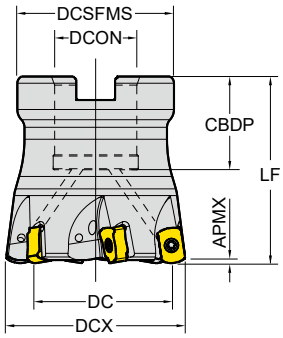
APKT16	Screw	Wrench
Descritpion	TP154008	TPWFTP15
EDP	18000006	18000003

Milling - High Feed Milling - Cutter

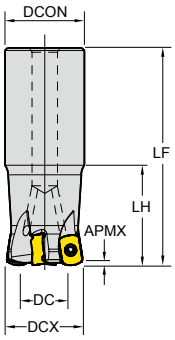
Cutters for ENMX

Cutting Angle : 10˚
4 Corner Negative

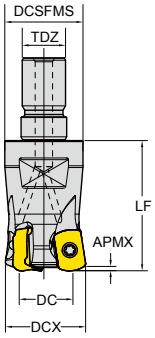
<S> Shellmill



<C> Cylindrical



<M> Modular



CICT : Number of Inserts
CBDP : Connection Bore Depth

: p. 153

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	●
	1	MHF - ENMX06 - D20Z3M10	0692	12.6	20	3	30	Modular	M10		-	18	●
		MHF - ENMX06 - D25Z4M12	0693	17.6	25	4	35		M12		-	21	●
		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

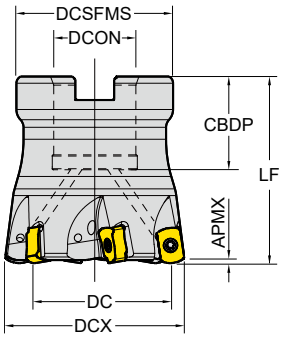
ENMX06	Screw	Wrench	Handle	BIT
Descritpion	TP082507-GS	TPWBTP08	DH-H4	DB-TP08
EDP	18000206	18000218	18000189	18000190

Milling - High Feed Milling - Cutter

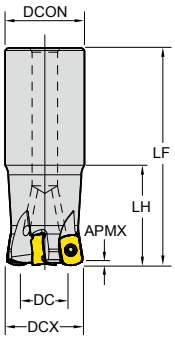
Cutters for ENMX

Cutting Angle : 10˚
4 Corner Negative

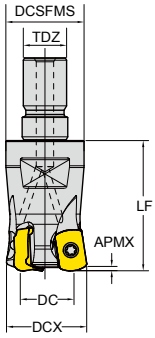
<S> Shellmill



<C> Cylindrical



<M> Modular



CICT : Number of Inserts
CBDP : Connection Bore Depth

: p. 153

Unit :mm

Series	APMX	Designation	EDP 1700..	DC	DCX	CICT	LF	Type	DCON /TDZ	LH	CBDP	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	-	-	●
		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

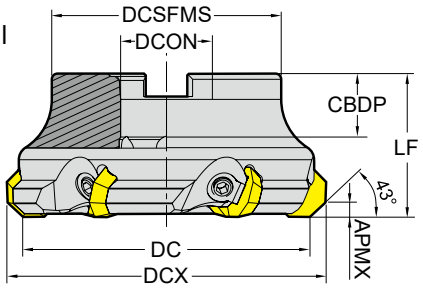
ENMX09	Screw	Wrench	Handle	BIT
Descritpion	TP093510-GS	TPWBTP09	DH-H4	DB-TP09
EDP	18000214	18000216	18000189	18000209

Milling - Face Milling - Cutter

Cutters for OFER

Cutting Angle : 43°
8 Corner Positive

<S> Shellmill



CICT : Number of Inserts
CBDP : Connection Bore Depth

: p. 156

Unit:mm

Series	APMX	Designation	EDP 1700..	DC	DCX	CICT	LF	TYPE	DCON	CBDP	DCSFMS	PCD1	PCD2	
OFER 0704	5.0	F43 - OFER07 - D63Z4S22 - WOC	0484	65	75	4	45	Shellmill	22	22	48	-	-	X
		F43 - OFER07 - D80Z5S27 - WOC	0485	82	92	5	50		27	25	58	-	-	X
		F43 - OFER07 - D100Z6S32 - WOC	0486	102	112	6	50		32	26	80	-	-	X
		F43 - OFER07 - D125Z8S40 - WOC	0487	127	137	8	63		40	32	85	-	-	X
		F43 - OFER07 - D160Z9S40 - WOC	0488	162	172	9	63		40	32	110	66.7	-	X

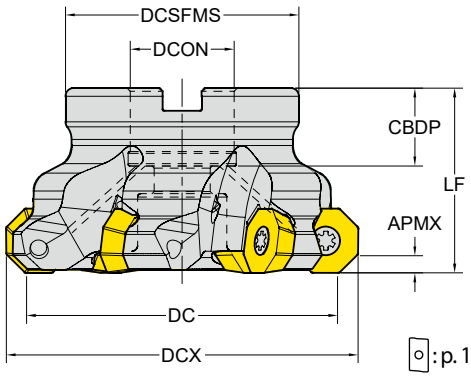
OFER07	Screw	Wrench	Wedge Clamp
Descritpion	YAKV-15-M8x1x20	YAAL-05-4	YACK-11
EDP	18000086	18000062	18000068

Milling - Face Milling - Cutter

Cutters for ODMT, ODMW

Cutting Angle : 43°
8 Corner Positive

<S> Shellmill



CICT : Number of Inserts
CBDP : Connection Bore Depth

: p. 155

Unit :mm

Series	APMX	Designation	EDP 1700..	DC	DCX	CICT	LF	TYPE	DCON	CBDP	DCSFMS	PCD1	PCD2	
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

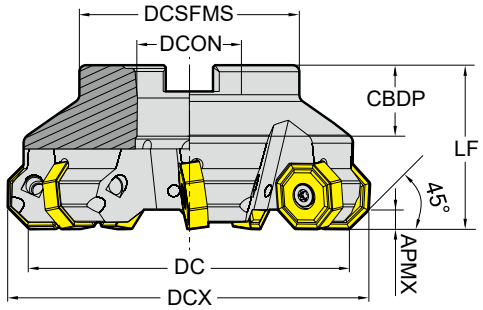
ODMT06	Screw	Wrench
Descritpion	TP205013	TPWFTP20
EDP	18000007	18000004

Milling - Face Milling - Cutter

Cutters for ONMU

Cutting Angle: 45°
16 Corner Negative

<S> Shellmill



CICT : Number of Inserts
CBDP : Connection Bore Depth

: p. 157

Unit:mm

Series	APMX	Designation	EDP 1700..	DC	DCX	CICT	LF	TYPE	DCON	CBDP	DCSFMS	PCD1	PCD2	
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	66.7	-	X
		F45 - ONMU08 - D200Z12S60 - WOC	0498	200	212	12	63		60	40	130	101.6	-	X
		F45 - ONMU08 - D315Z16S60 - WOC	0499	315	327	16	63		60	40	220	101.6	177.8	X

▶ ONHU is Available for Wiper Insert

* Clamping Torque (Nm) 5.3Nm

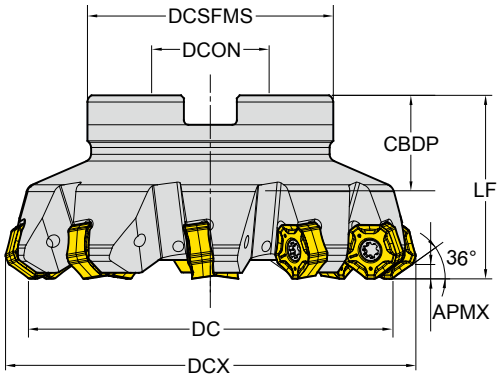
ONMU08	Screw	Wrench
Descritpion	TP205013	TPWFTP20
EDP	18000007	18000004

Milling - Face Milling - Cutter

Cutters for PNMU

Cutting Angle : 36°
10 Corner Negative

<S> Shellmill



CICT : Number of Inserts
CBDP : Connection Bore Depth

: p. 158

Unit:mm

Series	APMX	Designation	EDP 1700..	DC	DCX	CICT	LF	TYPE	DCON	CBDP	DCSFMS	PCD1	PCD2	
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

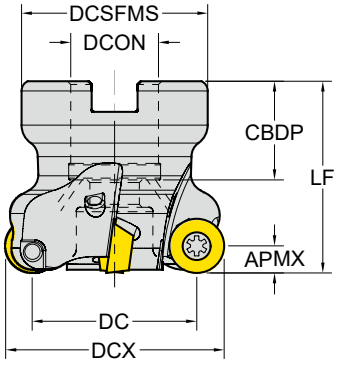
PNMU12	Screw	Wrench	Handle	BIT
Descritpion	TP154008	TPWBTP15	DH-H4	DB-TP15
EDP	18000006	18000217	18000189	18000208

Milling - Profiling - Cutter

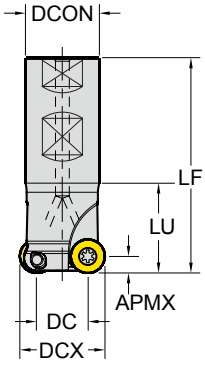
Cutters for RDKT, RDKW

Round Positive

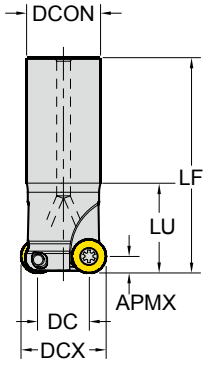
<S> Shellmill



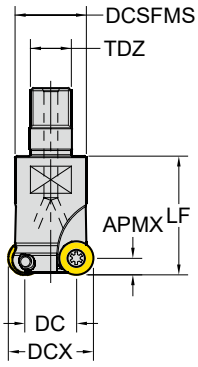
<W> Weldon



<C> Cylindrical



<M> Modular



CICT : Number of Inserts
CBDP : Connection Bore Depth

: p. 159

Unit :mm

Series	APMX	Designation	EDP 1700..	DC	DCX	CICT	LU	LF	TYPE	DCON /TDZ	CBDP	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
Descritpion	TP082505	TPWFTP08
EDP	18000008	18000002

* Clamping Torque (Nm) 3.0Nm

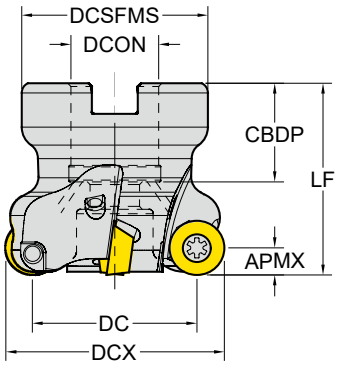
RDKT10	Screw	Wrench
Descritpion	TP154008RD	TPWFTP15
EDP	18000017	18000003

Milling - Profiling - Cutter

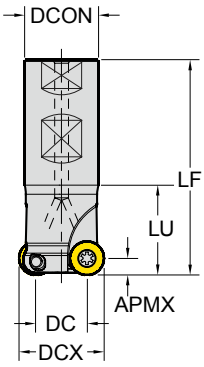
Cutters for RDKT, RDKW

Round Positive

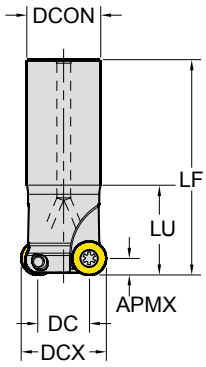
<S> Shellmill



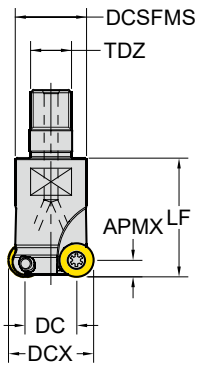
<W> Weldon



<C> Cylindrical



<M> Modular



CICT : Number of Inserts
CBDP : Connection Bore Depth

: p. 159

Unit :mm

Series	APMX	Designation	EDP 1700..	DC	DCX	CICT	LU	LF	TYPE	DCON /TDZ	CBDP	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

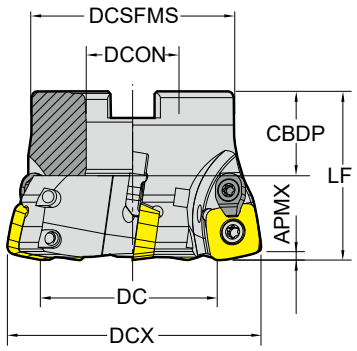
RDKT12	Screw	Wrench	Wedge Clamp
Descritpion	TP154009	TPWFTP15	MTCA - 130813P
EDP	18000010	18000003	18000037

Milling - High Feed Milling - Cutter

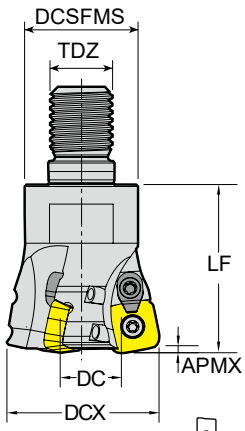
Cutters for SDMT, SDMW

Cutting Angle : 10˚
4 Corner Positive

<S> Shellmill



<M> Modular



CICT : Number of Inserts
CBDP : Connection Bore Depth

: p. 163

Unit :mm

Series	APMX	Designation	EDP 1700..	DC	DCX	CICT	LF	TYPE	DCON /TDZ	CBDP	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

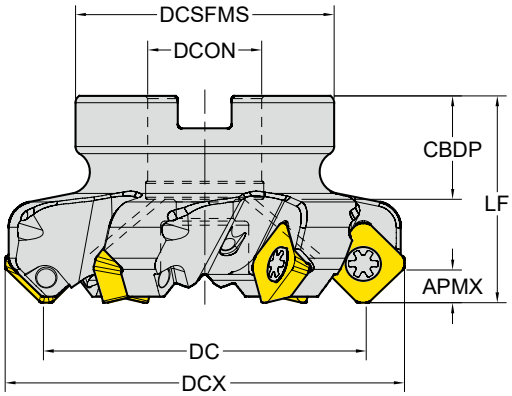
SDMT12	Screw	Wrench	Handle	Wedge Clamp
Descritpion	Y4015-M4x11	Y80-T15	18000167	YACK-15
EDP	18000119	18000167	-	18000069

Milling - Face Milling - Cutter

Cutters for SEGT, SEKT

Cutting Angle : 45°
4 Corner Positive

<S> Shellmill



CICT : Number of Inserts
CBDP : Connection Bore Depth

: p. 165/164

Unit:mm

Series	APMX	Designation	EDP 1700..	DC	DCX	CICT	LF	TYPE	DCON	CBDP	DCSFMS	PCD1	PCD2	
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	66.7	-	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

* Clamping Torque (Nm) 2.4Nm

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

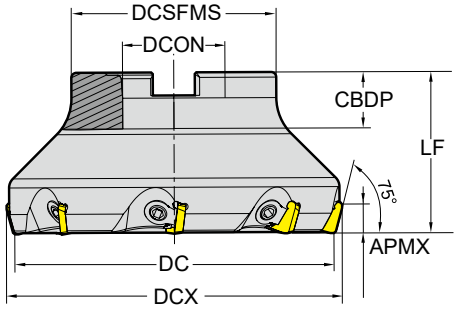
SEKT1204	Screw	Wrench
Descritpion	TP204510	TPWFTP20
EDP	18000011	18000004

Milling - Face Milling - Cutter

Cutters for SPCN, SPKN, SPKR

Cutting Angle : 75˚
4 Corner Positive ISO

<S> Shellmill



CICT : Number of Inserts
CBDP : Connection Bore Depth

: p. 169

Unit:mm

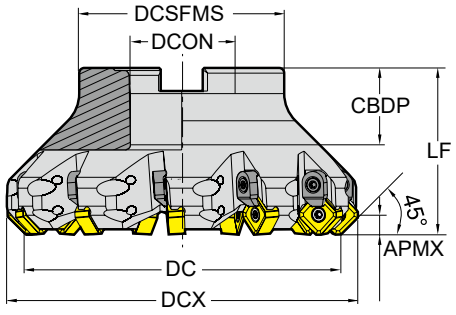
Series	APMX	Designation	EDP 1700..	DC	DCX	CICT	LF	TYPE	DCON	CBDP	DCSFMS	PCD1	PCD2	
SPCN SPKN SPKR 1203	8.0	F75 - SPKN12 - D50Z4S22 - WOC	0611	50	56	4	42	Shellmill	22	22	42	-	-	X
		F75 - SPKN12 - D63Z5S22 - WOC	0612	63	69	5	40		22	22	48	-	-	X
		F75 - SPKN12 - D80Z6S27 - WOC	0613	80	86	6	50		27	25	58	-	-	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	66.7	-	X
		F75 - SPKN12 - D200Z12S60 - WOC	0617	200	206	12	63		60	40	130	101.6	-	X

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

Cutters for SNMX

Cutting Angle : 45°
8 Corner Negative

<S> Shellmill



CICT : Number of Inserts
CBDP : Connection Bore Depth

: p. 168

Unit:mm

Series	APMX	Designation	EDP 1700..	DC	DCX	CICT	LF	TYPE	DCON	CBDP	DCSFMS	PCD1	PCD2	
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	66.7	-	X
		F45 - SNMX12 - D200Z14S60 - WOC	0516	200	213	14	65		60	40	130	101.6	-	X

* Clamping Torque (Nm) 3.0Nm

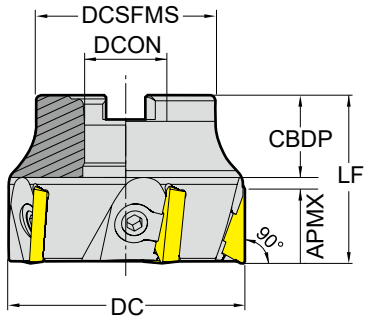
SNMX12	Screw	Wrench	Wedge Clamp
Descritpion	Y4015-M4x11	Y80-T15	Y4015-M4x11
EDP	18000119	18000167	18000119

Milling - Shoulder Milling - Cutter

Cutters for TPCN, TPKN, TPKR

Cutting Angle : 90°
3 Corner Positive ISO

<S> Shellmill



CICT : Number of Inserts
CBDP : Connection Bore Depth

: p. 173

Unit:mm

Series	APMX	Designation	EDP 1700..	DC	CICT	LU	LF	TYPE	DCON	CBDP	DCSFMS	PCD1	PCD2	
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	66.7	-	X
		F90 - TPKN22 - D200Z12S60 - WOC	0627	200	12	-	63		60	40	130	101.6	-	X
		F90 - TPKN22 - D250Z15S60 - WOC	0628	250	15	-	63		60	40	160	101.6	-	X
		F90 - TPKN22 - D315Z18S60 - WOC	0629	315	18	-	63		60	40	220	101.6	177.8	X

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

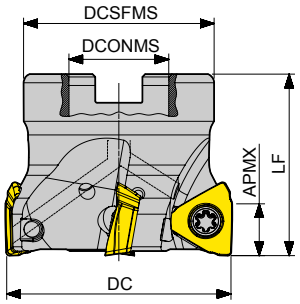
TPKN22	Screw	Wrench	Wedge Clamp
Descritpion	YAKV-14-M8x1x18	YAAL-05-4	YACK-11
EDP	18000085	18000062	18000068

Milling - Shoulder Milling - Cutter

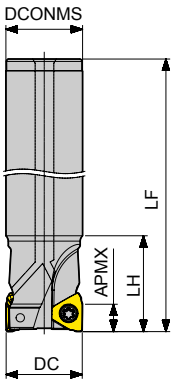
Cutters for TPKT

Cutting Angle : 90°
3 Corner Positive

<S> Shellmill



<C> Cylindrical



CICT : Number of Inserts
CBDP : Connection Bore Depth

: p. 172

Unit : mm

Series	APMX	Designation	EDP 1700..	DC	CICT	LF	TYPE	DCON /TDZ	LH	CBDP	DCSFMS	
NEW TPKT 1104	7.0	E90 - TP11 - D20Z2W20 - L90	0995	20	2	90	Cylindrical	20	40	-	-	●
		E90 - TP11 - D20Z2C20 - L170	1037	20	2	170		20	40	-	-	●
		E90 - TP11 - D21Z2C20 - L150	1038	21	2	150		20	40	-	-	●
		E90 - TP11 - D21Z2C20 - L200	1039	21	2	200		20	40	-	-	●
		E90 - TP11 - D25Z3W25 - L100	1040	25	3	100		25	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 - D32Z4W32 - L110	1046	32	4	110		32	40	-	-	●
		E90 - TP11 - D33Z3C32 - L200	1047	33	3	200		32	40	-	-	●
		E90 - TP11 - D40Z4C32 - L200	1048	40	4	200		32	60	-	-	●
		E90 - TP11 - D40Z5W32 - L115	1049	40	5	115		32	40	-	-	●
		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	●

* Clamping Torque (Nm) 1.2Nm

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

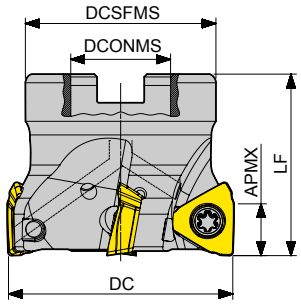
TPKT1104 (over D25)	Screw	Wrench	Handle	BIT
Descritpion	TP082506-GS	TPWBTP08	DH-H4	DB-TP08
EDP	18000259	18000218	18000189	18000190

Milling - Shoulder Milling - Cutter

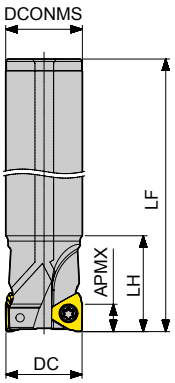
Cutters for TPKT

Cutting Angle : 90˚
3 Corner Positive

<S> Shellmill



<C> Cylindrical



CICT : Number of Inserts
CBDP : Connection Bore Depth

: p. 172

Unit :mm

Series	APMX	Designation	EDP 1700..	DC	CICT	LF	TYPE	DCON /TDZ	LH	CBDP	DCSFMS	
NEW 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 - D40Z3W32 - L110	0944	40	3	110		32	40	-	-	●
		E90 - TP16 - D40Z4C32 - L200	0945	40	4	200		32	40	-	-	●
		F90 - TP16 - D50Z4S22	0931	50	4	40	Shellmill	22	-	29	42	●
		F90 - TP16 - D63Z5S22	0932	63	5	40		22	-	29	48	●
		F90 - TP16 - D63Z6S22	0947	63	6	40		22	-	29	48	●
		F90 - TP16 - D80Z6S27	0948	80	6	50		27	-	39	56	●
		F90 - TP16 - D80Z7S27	0949	80	7	50		27	-	39	56	●
		F90 - TP16 - D100Z8S32	0950	100	8	50		32	-	39	67	●
		F90 - TP16 - D125Z10S40	0951	125	10	63		40	-	52	89	●
		F90 - TP16 - D125Z12S40	0952	125	12	63		40	-	52	89	●
		F90 - TP16 - D160Z11S40	0953	160	11	63		40	-	52	110	X
		F90 - TP16 - D200Z11S60	0955	200	11	63		60	-	52	160	X

* Clamping Torque (Nm) 5.3Nm

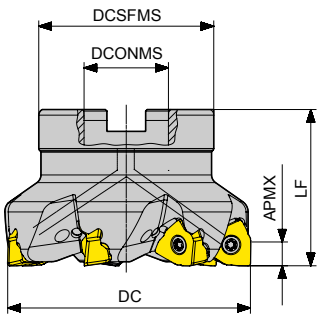
TPKT1605	Screw	Wrench	Handle	BIT
Descritpion	TP2045105	TPWBTP20	DH-H6	DB-TP20
EDP	18000264	18000256	18000210	18000257

Milling - High Feed Milling - Cutter

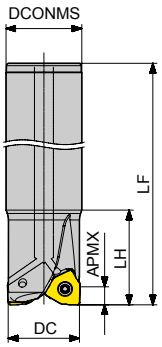
Cutters for WNEX

Cutting Angle : 90°
3 Corner Positive

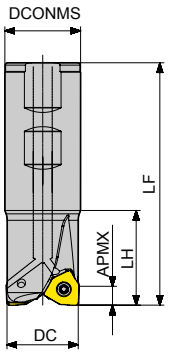
<S> Shellmill



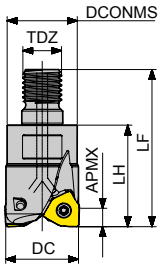
<C> Cylindrical



<W> Weldon



<M> Modular



CICT : Number of Inserts
CBDP : Connection Bore Depth

: p. 175

Unit : mm

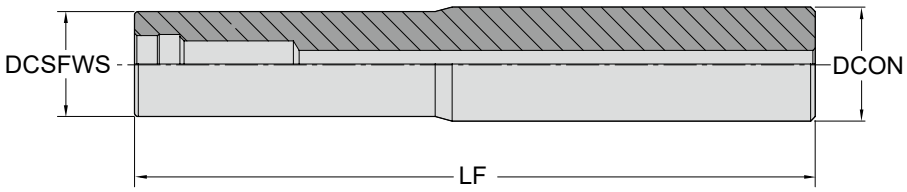
Series	APMX	Designation	EDP 1700..	DC	CICT	LF	TYPE	DCON /TDZ	LH	CBDP	DCSFMS	
		E90 - WN08 - D32Z2W32 - L120	0969	32	2	120		32	40	-	-	●
		E90 - WN08 - D40Z3W32 - L120	0972	40	3	120		32	40	-	-	●
		E90 - WN08 - D40Z4W32 - L120	0973	40	4	120	Weldon	32	40	-	-	●
		E90 - WN08 - D50Z4W32 - L120	0974	50	4	120		32	40	-	-	●
		E90 - WN08 - D50Z5W32 - L120	0990	50	5	120		32	40	-	-	●
		E90 - WN08 - D32Z2C32 - L120	0991	32	2	120		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	Cylindrical	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	-	-	●
NEW WNEX 0806	7.0	F90 - WN08 - D50Z4S22	0875	50	4	40		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	Shellmill	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		M16	42	-	29	●
		M90 - WN08 - D40Z3M16	1005	40	3	65	Modular	M16	42	-	29	●
		M90 - WN08 - D40Z4M16	0984	40	4	65		M16	42	-	29	●

* Clamping Torque (Nm) 3.0Nm

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

Milling - Modular Shank

Modular Shanks



Unit:mm

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

Mounting Bolt

DCON	Descritpion	EDP
Φ16	YHBM08-L20	18000224
Φ16 HF	YHBM08-L25	18000238
Φ22	YHBM10-L25	18000239
Φ22 HF	YHBM10-L30	18000240
Φ25.4 (Metric O.D)	YHBM12-L30	18000241
Φ27	YHBM12-L30	18000241
Φ31.75 (Metric O.D)	YMBM16-L42	18000242
Φ32	YMBM16-L42	18000242
Φ32 HF	YMBM16-L50	18000258
Φ38.1 (Metric O.D)	YMBM20-L54	18000243
Φ40	YMBM20-L54	18000243
Φ0.5" (Φ12.7)	YHBU250-L25.4	18000244
Φ0.75" (Φ19.05)	YHBU375-L25.4	18000245
Φ0.75" (Φ19.05) HF	YHBU375-L31.75	18000246
Φ1.0" (Φ25.4)	YHBU500-L38.1	18000247
Φ1.25" (Φ31.75)	YMBU625-L52	18000248
Φ1.5" (Φ38.1)	YMBU750-L60	18000249
Φ2.0" (Φ50.8)	YMBU1000-L70	18000250