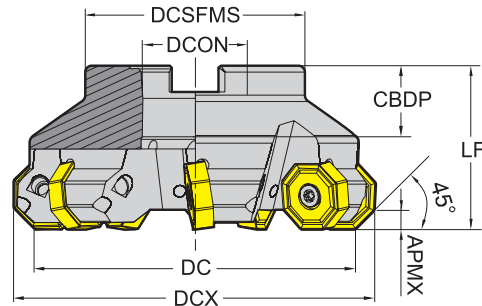


Milling - Face Milling - Cutter Cutters for ONMU

Cutting Angle : 45°
16 Corner Negative

<S> Shell Mill



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

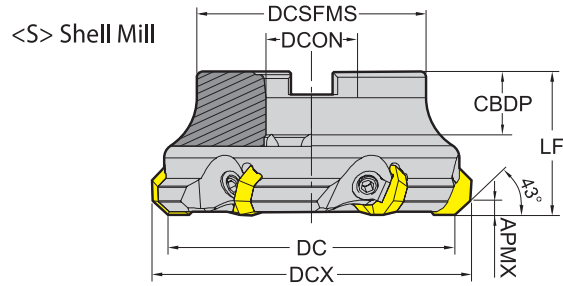
□ : p. 104 unit:mm

Series	APMX	Designation	EDP 1700..	DC	DCX	ZEFP	LF	TYPE	DCON	CDBP	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

Milling - Face Milling - Cutter Cutters for OFER

Cutting Angle : 43°
8 Corner Positive



ZEFP : Effective Number of Cutting Edges
CICT : Number of Inserts
CBDP : Connection Bore Depth

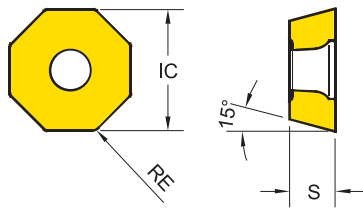
□ : p. 103 unit:mm

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

Milling - Face Milling - Inserts

ODMT, ODMW - Face Milling Positive (8 Corners)

Series	IC	S
ODM* 0605	15.9	5.6



EDP 1200..

P25	P30	P20
M30		
K30	K30	
S20		

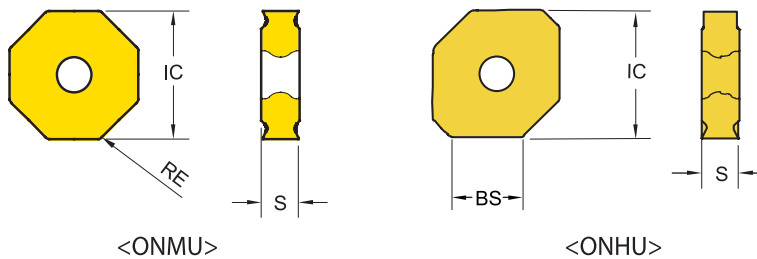
● : Stock item
○ : Order made item

ODMT ODMW	Designation	RE (mm)	Fz (mm/tooth)	BS (mm)	YG602	YG622	YG712
ODMT General 	ODMT 060508	0.8	0.21 ~ 0.35		● 0030		
ODMW Hard Materials 	ODMW 060508	0.8	0.26 ~ 0.40		● 0031		

Cutting Speed			Vc (m/min.)					
ISO	VDI	Sub Group	YG602		YG622		YG712	
			Min	Max	Min	Max	Min	Max
P	1~5	Non-Alloyed Steel	140	380	140	400	170	300
	6~9	Low-Alloyed Steel	120	300	120	320	180	250
	10~11	High-Alloyed Steel	70	150	70	170	100	140
M	12~13	Ferritic & Martensitic	120	200	-	-	-	-
	14	Austenitic Stainless Steel	130	250	-	-	-	-
K	15~16	Grey Cast Iron	120	250	120	270	-	-
	17~18	Nodular Cast Iron	130	220	130	240	-	-
N	21~30	Non-Ferrous Metals (Al)	-	-	-	-	-	-
S	31~37	Superalloys & Titanium	25	45	-	-	-	-
H	38~41	Hard Materials	40	80	40	100	-	-

Milling - Face Milling - Inserts

ONMU / ONHU - Face Milling Negative (16 Corners)



Series	IC	S
ON*U 0806	20.2	5.8

EDP 1200..			
P25	P30	P20	
M30			
K30	K30		K15
S20			

● : Stock item
○ : Order made item

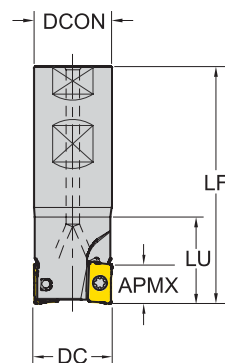
ONMU ONHU	Designation	RE (mm)	Fz (mm/tooth)	BS (mm)	YG602	YG622	YG712	YG5020
	ONMU 080608	0.8	0.22 ~ 0.50		● 0233			● 0414
ONMU General								
	ONHU 080612		0.22 ~ 0.50	10.6				● 0482
ONHU Wiper Insert								

Cutting Speed			Vc (m/min.)							
ISO	VDI	Sub Group	YG602		YG622		YG712		YG5020	
			Min	Max	Min	Max	Min	Max	Min	Max
P	1~5	Non-Alloyed Steel	140	380	140	400	170	300	-	-
	6~9	Low-Alloyed Steel	120	300	120	320	180	250	-	-
	10~11	High-Alloyed Steel	70	150	70	170	100	140	-	-
M	12~13	Ferritic & Martensitic	120	200	-	-	-	-	-	-
	14	Austenitic Stainless Steel	130	250	-	-	-	-	-	-
K	15~16	Grey Cast Iron	120	250	120	270	-	-	200	350
	17~18	Nodular Cast Iron	130	220	130	240	-	-	150	300
N	21~30	Non-Ferrous Metals (Al)	-	-	-	-	-	-	-	-
S	31~37	Superalloys & Titanium	25	45	-	-	-	-	-	-
H	38~41	Hard Materials	40	80	40	100	-	-	-	-

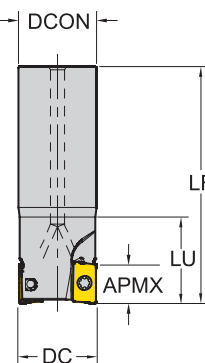
Milling - Shoulder Milling - Cutter Cutters for APKT

Cutting Angle : 90°
2 Corner Positive

<W> Weldon



<C> Cyindrical



ZEFP : Effective Number of Cutting Edges
CICT : Number of Inserts
CBDP : Connection Bore Depth

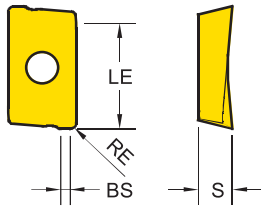
□ : p. 122 unit:mm

Series	APMX	Designation	EDP 1700..	DC	ZEFP	LU	LF	TYPE	DCON	CBDP	DCSFMS	PCD1	PCD2	
APKT 1003	10.0	E90 - APKT10 - D16Z2C16 - L100	0083	16	2	-	100	Cylindrical	16	-	-	-	-	●
		E90 - APKT10 - D16Z2C16 - L120	0532	16	2	30	120		16	-	-	-	-	●
		E90 - APKT10 - D16Z2C16 - L150	0154	16	2	50	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	-	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	30	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

Milling - Shoulder Milling - Inserts

APKT - Shoulder Milling Positive (2 Corner)



Series	LE	IC	S
APKT 1003	9.9	6.7	3.6
APKT 1604	15.2	9.4	5.3

EDP 1200..

● : Stock item
○ : Order made item

P25	P30	P20
M30		
K30	K30	
S20		

APKT	Designation	RE (mm)	Fz (mm/tooth)	BS (mm)	YG602	YG622	YG712
APKT General 	APKT 100305 PDTR	0.5	0.15 ~ 0.24	0.86	● 0005		
	APKT 100308 PDTR	0.8	0.15 ~ 0.24	0.9	● 0004		
	APKT 160404 PDTR	0.4	0.15 ~ 0.25	1.11	● 0003		
	APKT 160408 PDTR	0.8	0.15 ~ 0.30	1.32	● 0001		
	APKT 160412 PDTR	1.2	0.15 ~ 0.32	1.13	● 0002		
	APKT 160416 PDTR	1.6	0.15 ~ 0.34	1.13	● 0006		
	APKT 160424 PDTR	2.4	0.15 ~ 0.28		● 0255		
-ST Stainless Steel Super Alloy 	APKT 100305 - ST	0.5	0.08 ~ 0.22	0.86	● 0278		
	APKT 160408 - ST	0.8	0.08 ~ 0.25	1.32	● 0270		
-TR Hardened Steel 	APKT 160404 - TR	0.4	0.26 ~ 0.40	2.12	● 0492		
	APKT 160408 - TR	0.8	0.26 ~ 0.40	1.32	● 0256	● 0337	
	APKT 160412 - TR	1.2	0.26 ~ 0.40	2.4	● 0493		
	APKT 160416 - TR	1.6	0.26 ~ 0.40	2.4	● 0472		
	APKT 160424 - TR	2.4	0.26 ~ 0.40	1.5	● 0494		

Cutting Speed			Vc (m/min.)					
ISO	VDI	Sub Group	YG602		YG622		YG712	
			Min	Max	Min	Max	Min	Max
P	1~5	Non-Alloyed Steel	140	380	140	400	170	300
	6~9	Low-Alloyed Steel	120	300	120	320	180	250
	10~11	High-Alloyed Steel	70	150	70	170	100	140
M	12~13	Ferritic & Martensitic	120	200	-	-	-	-
	14	Austenitic Stainless Steel	130	250	-	-	-	-
K	15~16	Grey Cast Iron	120	250	120	270	-	-
	17~18	Nodular Cast Iron	130	220	130	240	-	-
N	21~30	Non-Ferrous Metals (Al)	-	-	-	-	-	-
S	31~37	Superalloys & Titanium	25	45	-	-	-	-
H	38~41	Hard Materials	40	80	40	100	-	-