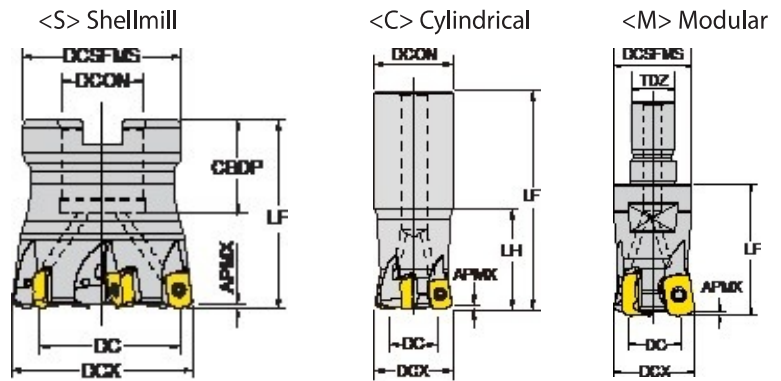


Milling - High Feed Milling - Cutter

Cutters for ENMX

Entering Angle : 10°
4 Corner Negative



ENMX06 CUTTER

CICT : Number of Inserts
CDBP : Connection Bore Depth

EDP	Material Description	DCX	DC	LH	LF	Type	DCON /TDZ	CDBP	DCSFMS	CICT (Pocket)	Promotion
17000644	EHF-ENMX06-D16Z2C16-L100	16	9	30	100	Cylindrical	16	-	-	O 2	
17000645	EHF-ENMX06-D16Z2C16-L150	16	9	50	150	Cylindrical	16	-	-	O 2	
17000473	EHF-ENMX06-D17Z2C16-L150	17	10	20	150	Cylindrical	16	-	-	O 2	
17000674	EHF-ENMX06-D17Z2C16-L100	17	10	20	100	Cylindrical	16	-	-	O 2	
17000463	EHF-ENMX06-D20Z3C20-L130	20	12,6	50	130	Cylindrical	20	-	-	O 3	
17000646	EHF-ENMX06-D20Z3C20-L160	20	12,6	80	160	Cylindrical	20	-	-	O 3	
17000475	EHF-ENMX06-D21Z3C20-L150	21	13,6	20	150	Cylindrical	20	-	-	O 3	
17000476	EHF-ENMX06-D21Z3C20-L200	21	13,6	20	200	Cylindrical	20	-	-	O 3	
17000647	EHF-ENMX06-D25Z4C25-L140	25	17,6	60	140	Cylindrical	25	-	-	O 4	
17000464	EHF-ENMX06-D25Z4C25-L180	25	17,6	80	180	Cylindrical	25	-	-	O 4	
17000648	EHF-ENMX06-D25Z4C25-L250	25	17,6	120	250	Cylindrical	25	-	-	O 4	
17000479	EHF-ENMX06-D26Z4C25-L150	26	18,6	30	150	Cylindrical	25	-	-	O 4	
17000480	EHF-ENMX06-D26Z4C25-L200	26	18,6	30	200	Cylindrical	25	-	-	O 4	
17000839	EHF-ENMX06-D30Z5C32-L140	30	22,6	30	140	Cylindrical	32	-	-	O 5	
17000649	EHF-ENMX06-D32Z5C32-L150	32	24,6	70	150	Cylindrical	32	-	-	O 5	
17000465	EHF-ENMX06-D32Z5C32-L200	32	24,6	100	200	Cylindrical	32	-	-	O 5	
17000691	MHF-ENMX06-D16Z2M08	16	9	-	23	Modular	M08	-	13	O 2	
17000730	MHF-ENMX06-D18Z2M08	18	11	-	23	Modular	M08	-	13	O 2	
17000692	MHF-ENMX06-D20Z3M10	20	12,6	-	30	Modular	M10	-	18	O 3	
17000693	MHF-ENMX06-D25Z4M12	25	17,6	-	35	Modular	M12	-	21	O 4	
17000694	MHF-ENMX06-D32Z5M16	32	24,6	-	42	Modular	M16	-	29	O 5	
17000695	MHF-ENMX06-D35Z5M16	35	27,6	-	42	Modular	M16	-	29	O 5	
17000732	MHF-ENMX06-D40Z6M16	40	32,6	-	42	Modular	M16	-	29	O 6	
17000696	MHF-ENMX06-D42Z6M16	42	34,6	-	42	Modular	M16	-	29	O 6	
17000482	FHF-ENMX06-D40Z6S16	40	32,6	-	40	ShellMill	16	18	37	O 6	
17000471	FHF-ENMX06-D50Z6S22	50	42,6	-	50	ShellMill	22	25	42	O 6	
17001463	FHF-ENMX06-D63Z7S22	63	55,6	-	50	ShellMill	22	25	50	7	

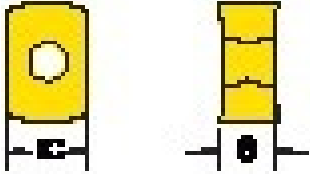
* Clamping Torque (Nm) 1.2Nm

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

Milling - High Feed Milling - Inserts

ENMX - High Feed Negative (4 Corners)

Series	IC	S
ENMX 0604	6.3	4.21



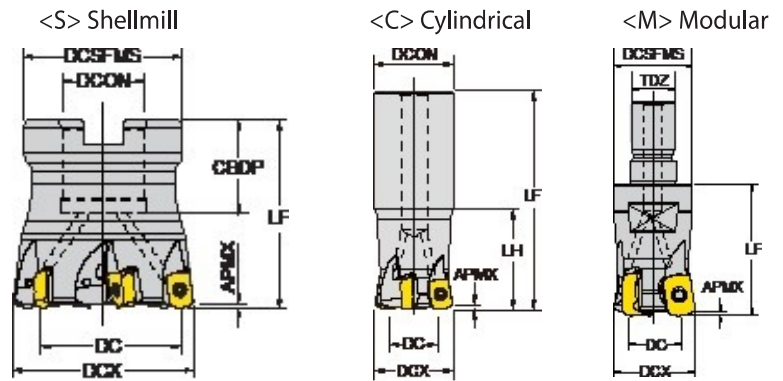
ENMX06 INSERT

EDP	Material Description	RE (mm)	Fz (mm/tooth)	Grade
12000623	ENMX0604-ST-YG602/ENMX0604-ST	0,8	0,1 ~ 0,8	YG602
12000625	ENMX0604-ST-YG613/ENMX0604-ST	0,8	0,1 ~ 0,8	YG613
12000973	ENMX0604-ST-YG612/ENMX0604-ST	0,8	0,1 ~ 0,8	YG612
12000474	ENMX0604-YG602/ENMX0604	0,8	0,3 ~ 2,0	YG602
12000553	ENMX0604-YG622/ENMX0604	0,8	0,3 ~ 2,0	YG622
12000606	ENMX0604-YG613/ENMX0604	0,8	0,3 ~ 2,0	YG613
12000734	ENMX0604-YG012/ENMX0604	0,8	0,3 ~ 2,0	YG012
12000822	ENMX0604-YG612/ENMX0604	0,8	0,3 ~ 2,0	YG612
12000459	ENMX0604-TR-YG602/ENMX0604-TR	0,8	0,3 ~ 2,5	YG602
12000504	ENMX0604-TR-YG712/ENMX0604-TR	0,8	0,3 ~ 2,5	YG712
12000552	ENMX0604-TR-YG622/ENMX0604-TR	0,8	0,3 ~ 2,5	YG622
12000636	ENMX0604-TR-YG713/ENMX0604-TR	0,8	0,3 ~ 2,5	YG713
12000733	ENMX0604-TR-YG012/ENMX0604-TR	0,8	0,3 ~ 2,5	YG012
12000823	ENMX0604-TR-YG612/ENMX0604-TR	0,8	0,3 ~ 2,5	YG612

Milling - High Feed Milling - Cutter

Cutters for ENMX

Entering Angle : 10°
4 Corner Negative



ENMX09 CUTTER

CICT : Number of Inserts
CBDP : Connection Bore Depth

EDP	Material Description	DCX	DC	LH	LF	Type	DCON / TDZ	CBDP	DCSFMS	CICT (Pocket)	Promotion
17000745	EHF-ENMX09-D25Z2C25-L150	25	15	70	150	Cylindrical	25	-	-	O 2	
17000746	EHF-ENMX09-D26Z2C25-L200	26	16	30	200	Cylindrical	25	-	-	O 2	
17000747	EHF-ENMX09-D26Z3C25-L200	26	16	30	200	Cylindrical	25	-	-	O 3	
17000748	EHF-ENMX09-D32Z3C32-L160	32	22	70	160	Cylindrical	32	-	-	O 3	
17000749	EHF-ENMX09-D33Z3C32-L200	33	23	30	200	Cylindrical	32	-	-	O 3	
17000750	EHF-ENMX09-D33Z4C32-L200	33	23	40	200	Cylindrical	32	-	-	O 4	
17000751	EHF-ENMX09-D40Z5C32-L180	40	30	70	180	Cylindrical	32	-	-	O 5	
17000811	MHF-ENMX09-D25Z2M12	25	15	-	35	Modular	M12	-	21	O 2	
17000812	MHF-ENMX09-D25Z3M12	25	15	-	35	Modular	M12	-	21	O 3	
17000813	MHF-ENMX09-D26Z2M12	26	16	-	35	Modular	M12	-	21	O 2	
17000814	MHF-ENMX09-D26Z3M12	26	16	-	35	Modular	M12	-	21	O 3	
17000815	MHF-ENMX09-D32Z3M16	32	22	-	42	Modular	M16	-	29	O 3	
17000816	MHF-ENMX09-D32Z4M16	32	22	-	42	Modular	M16	-	29	O 4	
17000817	MHF-ENMX09-D33Z2M16	33	23	-	42	Modular	M16	-	29	O 2	
17000818	MHF-ENMX09-D33Z3M16	33	23	-	42	Modular	M16	-	29	O 3	
17000819	MHF-ENMX09-D33Z4M16	33	23	-	42	Modular	M16	-	29	O 4	
17000989	MHF-ENMX09-D35Z4M16	35	25	-	42	Modular	M16	-	29	O 4	
17000752	FHF-ENMX09-D50Z5S22	50	40	-	50	Shellmill	22	20	42	O 5	
17000820	FHF-ENMX09-D50Z3S22	50	40	-	50	Shellmill	22	20	42	O 3	
17000821	FHF-ENMX09-D50Z4S22	50	40	-	50	Shellmill	22	20	42	O 4	
17001124	FHF-ENMX09-D52Z4S22	52	42	-	50	Shellmill	22	20	50	O 4	
17000754	FHF-ENMX09-D63Z7S22	63	53	-	50	Shellmill	22	20	48	O 7	
17000753	FHF-ENMX09-D63Z6S22	63	53	-	50	Shellmill	22	20	48	O 6	
17000822	FHF-ENMX09-D63Z4S22	63	53	-	50	Shellmill	22	20	48	O 4	
17000823	FHF-ENMX09-D63Z5S22	63	53	-	50	Shellmill	22	20	48	O 5	
17000755	FHF-ENMX09-D80Z8S27	80	70	-	50	Shellmill	27	23	56	O 8	
17000824	FHF-ENMX09-D100Z10S32	100	90	-	63	Shellmill	32	26	78	O 10	
17000825	FHF-ENMX09-D125Z12S40	125	115	-	63	Shellmill	40	29	89	O 12	

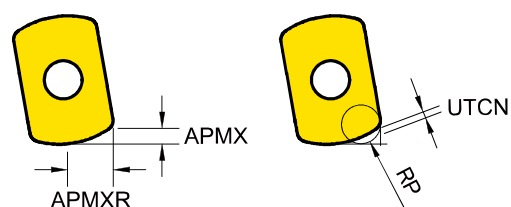
* Clamping Torque (Nm) 2.0Nm

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

Milling - High Feed Milling - Inserts

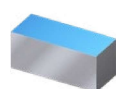
ENMX - High Feed Negative (4 Corners) Technical Information

ENMX 0604



Unit : mm

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



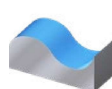
General



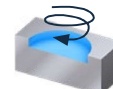
Plunging



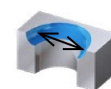
Ramping



Profiling



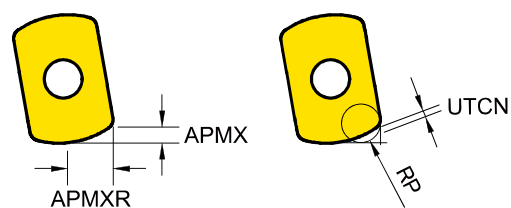
Helical Interpolation



Enlarge Hole

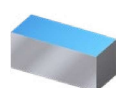
DCX External Cutter Diameter	APMX Maximum Depth of Cut	APMXR Maximum Radial Depth of Cut	RMPX Maximum Ramping Angle(°)	RP Programmed Corner Radius	UTCN Uncut Thickness	Diameter Minimum Cutting Diameter	Diameter Maximum Cutting Diameter	Pitch Helical Interpolation Pitch	Ae Enlarge Width
16	0.9	3.5	2.4°	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



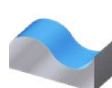
General



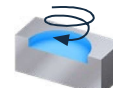
Plunging



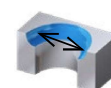
Ramping



Profiling



Helical Interpolation



Enlarge Hole

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

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

YG MILL GRADES



YG012 P10 - P30 H10 - H30

Optimized Milling Grade for Pre-Hardened & Hardened steel



YG501 K05 - K25

Hard Milling grade for Cast Iron



YG712 P10 - P30

Milling Grade for Medium of Steel Application



YG5020 K01 - K30

CVD grade for Cast Iron



YG612 P20 - P40 M20 - M40 S20 - S40

Specialized Multi-Nano Coated Grade with high wear resistance and chipping resistance



YG50 N05 - N20

Uncoated Milling Grade for Aluminium



YG613 P30 - P50 M30 - M40

Milling Grade for Stainless Steel Application

YG MILL CHIP BREAKERS

-AL



- For Aluminum
- Very Sharp Geometry

-ST



- For Stainless Steel, Super Alloy
- Sharp Geometry

General Inserts
(GN)



- First Choice for General Application

-TR



- For Hardened Steels
- Reinforced Geometry

...W / ...N



- For Hardened Material and Cast Irons