INDEXABLE MILLING

WHERE VALUE MEETS EXCELLENCE.

TPKT | New True 90° Shoulder Milling

ENDMILL
MODULAR HEAD
FACEMILL

PROMOTIONAL OFFER

Validity : 13th August - 31st of December 2024

(The promotion is valid for current available stock and only for Standard Items)

PURCHASE	**20**	Inserts per pocket* for an **ENDMILL** or **MODULAR HEAD**
	10	Inserts per pocket* for a **FACEMILL**
RECEIVE	A corresponding milling cutter included in this promotion **FOR 1,50€**	

*The number of inserts must be matched by the number of pockets on each **ENDMILL** / **MODULAR HEAD** / **FACEMILL**

Discover the full list by clicking or scanning the QR code below:

TOO GOOD NOT TO TRY.

New developed 90° shoulder milling products with exceptional performance and provide smooth cutting and economical insert .

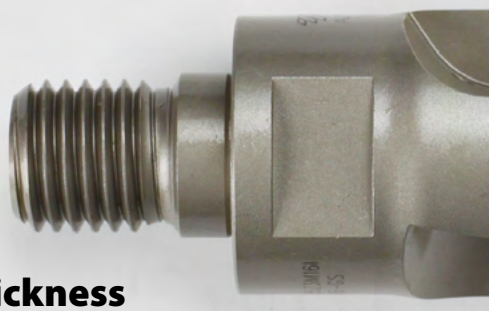
Promotion Orders must be submitted by email.

This promotion is valid only with separate PO titled 'Promo Captive'.
Cannot be combined with any other offers / discounts. Valid in EMEA only.

YG-1 EUROPE

TPKT INDEXABLE MILLING

TRUE 90° SHOULDER



TPKT 11/16

Ap	Thickness
7mm/11mm	5,38mm

Larger Core

TPKT 07 NEW

Ap	Thickness
4,5mm	2,92mm

New True 90° Shoulder Milling

High Positive Insert for Low Cutting Forces
Wide Grade and Geometry Range Covering Most Applications
For Facing, Slotting, Side Milling, Ramping, Helical Ramping

*** New YG612 Grade**
20% better tool life than the existing grade in various materials from carbon steel to mold steel.

High helix cutting edge
Smooth cutting and low cutting force.

High positive rake angle chip breaker
Minimised burr.

Curved cutting edge
Minimised mismatch.

Wide wiper edge
Excellent surface finish.

TPKT07 CUTTER

Fig. 1

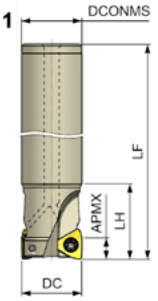


Fig. 2

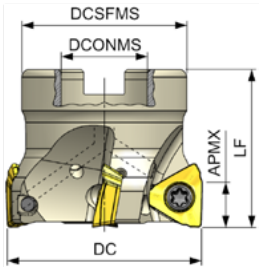
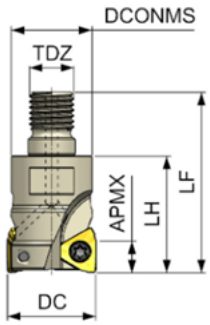


Fig. 3



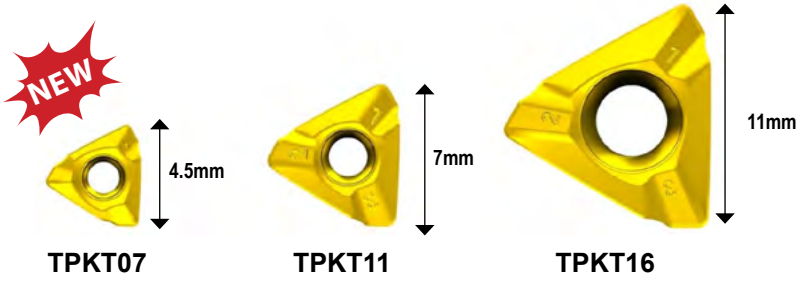
* CICT: Number of Teeth

EDP No.	Description	CICT	Dimension						Coolant	Fig.
			DC	DCSFMS	DCONMS	LH	LF	APMX		
17001136	E90-TP07-D12Z1C12-L80	1	12	-	12	20	80		•	1
17001137	E90-TP07-D14Z1C12-L80	1	14	-	12	20	80		•	1
17001138	E90-TP07-D16Z2C16-L110	2	16	-	16	25	110		•	1
17001139	E90-TP07-D16Z2C16-L150	2	16	-	16	25	150		•	1
17001140	E90-TP07-D16Z3C16-L150	3	16	-	16	25	150		•	1
17001192	E90-TP07-D17Z2C16-L150	2	17	-	16	25	150		•	1
17001193	E90-TP07-D17Z2C16-L200	2	17	-	16	25	200		•	1
17001141	E90-TP07-D17Z3C16-L150	3	17	-	16	25	150		•	1
17001142	E90-TP07-D18Z3C16-L150	3	18	-	16	25	150	4,5	•	1
17001143	E90-TP07-D20Z3C20-L160	3	20	-	20	25	160		•	1
17001194	E90-TP07-D21Z3C20-L160	3	21	-	20	25	160		•	1
17001144	E90-TP07-D25Z4W20-L115	4	25	-	20	25	115		•	1
17001145	E90-TP07-D25Z5W25-L115	5	25	-	25	25	115		•	1
17001146	E90-TP07-D25Z5C25-L115	5	25	-	25	25	115		•	1
17001147	E90-TP07-D32Z6W25-L130	6	32	-	25	30	130		•	1
17001148	E90-TP07-D40Z8W32-L130	8	40	-	32	30	130		•	1
17001161	E90-TP07-D42Z8C32-L130	8	42	-	32	30	130		•	1

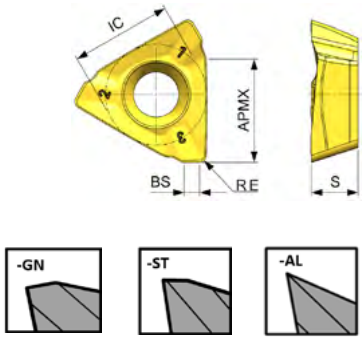
EDP No.	Description	CICT	Dimension						Coolant	Fig.
			DC	DCSFMS	DCONMS	LH	LF	APMX		
17001154	M90-TP07-D16Z2M08	2	16	13	M08	23	40		•	3
17001155	M90-TP07-D20Z3M10	3	20	18	M10	35	55		•	3
17001156	M90-TP07-D22Z4M10	4	22	18	M10	35	55		•	3
17001157	M90-TP07-D25Z5M12	5	25	21	M12	35	57		•	3
17001158	M90-TP07-D32Z6M16	6	32	29	M16	43	68		•	3
17001159	M90-TP07-D40Z7M16	7	40	29	M16	43	68		•	3
17001160	M90-TP07-D42Z8M16	8	42	29	M16	43	68		•	3
17001149	F90-TP07-D32Z6S16	6	32	30	16	-	32	4,5	•	2
17001150	F90-TP07-D35Z7S16	7	35	30	16	-	35		•	2
17001151	F90-TP07-D40Z7S16	7	40	38	16	-	40		•	2
17001152	F90-TP07-D40Z8S16	8	40	38	16	-	40		•	2
17001153	F90-TP07-D40Z8S22	8	40	38	22	-	40		•	2
17001162	F90-TP07-D50Z9S22	9	50	45	22	-	40		•	2
17001163	F90-TP07-D52Z9S22	9	52	45	22	-	40		•	2

Clamping Torque = 0.6Nm

TPKT07	Screw	Wrench	Handle	BIT
Description	TP062004-GS	TPWBTP06	DT-G4	DB-TP06
EDP	18000252	18000277	18000189	18000274



TPKT07 TPKT11 TPKT16



RECOMMENDATION CUTTING SPEED BY WORK-PIECE MATERIAL

Designation	Cutting Conditions		Grade						
	Ap (mm)	Feed (mm/z)	YG612	YG613	YG012	YG712	YG501	YG5020	YG50
TPKT070302R-GN	0,05-4,5	0,2-0,05	• 986	• 988	• 987	• 989			
TPKT070304R-GN	0,05-4,5	0,2-0,05	• 990	• 992	• 991	• 993	• 995	• 994	
TPKT070308R-GN	0,05-4,5	0,2-0,05	• 996	• 998	• 997	• 999	• 1001	• 1000	
TPKT070302R-ST	0,05-4,5	0,13-0,05	• 1002	• 1003					
TPKT070304R-ST	0,05-4,5	0,13-0,05	• 1004	• 1005					
TPKT070308R-ST	0,05-4,5	0,13-0,05	• 1006	• 1007					
TPCT070302R-AL	0,05-4,5	0,2-0,05							• 1008
TPCT070304R-AL	0,05-4,5	0,2-0,05							• 1009
TPCT070308R-AL	0,05-4,5	0,2-0,05							• 1011

RECOMMENDATION CUTTING SPEED BY WORK-PIECE MATERIAL

Unit : m/min.
( ) : SFM

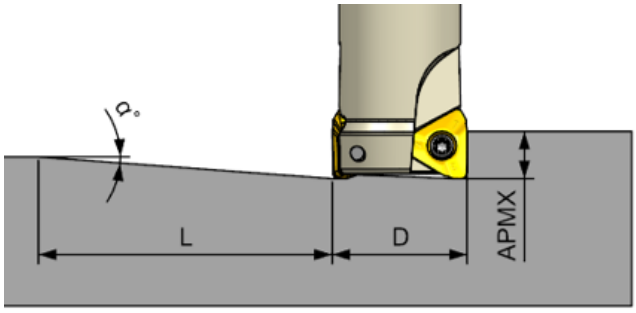
Material	VDI	YG612	YG613	YG012	YG5020	YG501	YG712	YG50
Non-alloy steel	1~5	180-280	100-210	180-280			220-320	
Low alloy steel	6~9	150-250	70-180	150-250			190-290	
High alloy steel	10~11	70-140	40-90	80-150			90-155	
Ferritic & Martensitic Stainless steel	12~13	120-200	70-180					
Austenitic stainless steel	14	130-250	70-200					
Grey cast iron	15~16				200-350	160-300		
Nodular cast iron	17~18				150-300	130-210		
Malleable cast iron	19~20							
Non-ferrous metals (Aluminum)	21~30							300-800
Super alloys & Titanium	31~37	25-45						
Hardened steel	38~41			70-120				

TPKT INSERT INFORMATION (METRIC)

Insert	IC	S	APMX	RE	BS
TPKT0703	5,51	2,92	4,5	0,2	1,0
				0,4	0,9
				0,8	0,5
TPCT0703				0,2	1,35
				0,4	1,15
				0,8	0,75

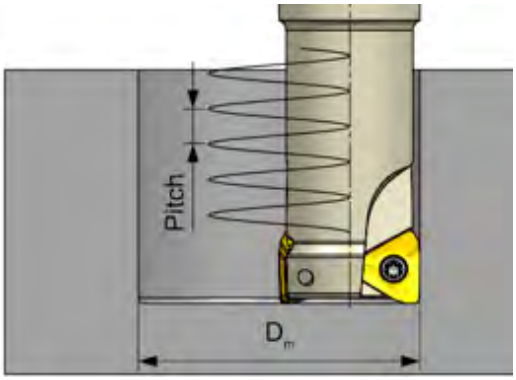
TPKT07– LINEAR RAMPING DATA BY CUTTER SIZE

ØD	Max. Ramping Angle (α°)	APMX	Min. Length (L)
12	2,3	4,5	112
14	1,8		143
16	1,8		143
17	1,6		161
18	1,4		184
20	1,3		198
21	1,2		215
22	1,1		234
25	1,0		258
32	0,7		368
40	0,6		430
42	0,5		516
50	0,4		645
52	0,4		645



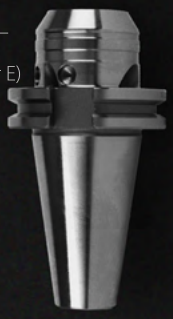
TPKT07– HELICAL INTERPOLATION DATA BY CUTTER SIZE

ØD	Max Dia. (Dm)	Max Pitch	Min Dia. (Dm)	Max Pitch
12	24	1,5	19,2	0,9
14	28	1,4	23,2	0,9
16	32	1,6	27,2	1,1
17	34	1,5	29,2	1,1
18	36	1,4	32,2	1.0
20	40	1,4	35,2	1,1
21	42	1,4	37,2	1,1
22	44	1,3	39,2	1,0
25	50	1,4	45,2	1,1
32	64	1,2	59,2	1,0
40	80	1,3	75,2	1,2
42	84	1,2	79,2	1,0
50	100	1,1	95,2	1,0
52	104	1,1	99,2	1,0



YG-1 ROTARY TOOLING

HYDRAULIC CHUCK (Power E)



SHELL MILL ARBOR

END MILL HOLDER

SK SLIM CHUCK

ER COLLET CHUCK

SHRINK FIT HOLDER

POWER MILLING CHUCK

TAPPING ER CHUCK

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