

Milling - Shoulder Milling - Cutter

Cutters for TPKT

Entering Angle : 90°

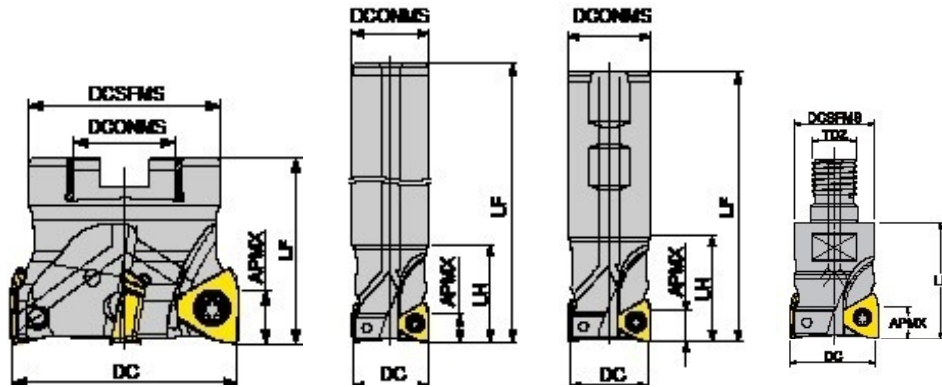
3 Corner Positive

<S> Shellmill

<C> Cylindrical

<W> Weldon

<M> Modular



Unit : mm

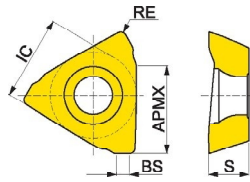
TPCT07/TPKT07 CUTTER

CICT : Number of Inserts
CBDP : Connection Bore Depth

EDP	Material Description	DC	LH	LF	Type	DCON /TDZ	CBDP	DCSFMS		CICT (Pocket)	
17001144	E90-TP07-D25Z4W20-L115	25	25	115	Weldon	20	-	-	O	4	
17001145	E90-TP07-D25Z5W25-L115	25	25	115	Weldon	25	-	-	O	5	
17001147	E90-TP07-D32Z6W25-L130	32	30	130	Weldon	25	-	-	O	6	
17001148	E90-TP07-D40Z8W32-L130	40	30	130	Weldon	32	-	-	O	8	
17001136	E90-TP07-D12Z1C12-L80	12	20	80	Cylindrical	12	-	-	O	1	
17001137	E90-TP07-D14Z1C12-L80	14	20	80	Cylindrical	12	-	-	O	1	
17001138	E90-TP07-D16Z2C16-L110	16	25	110	Cylindrical	16	-	-	O	2	
17001139	E90-TP07-D16Z2C16-L150	16	25	150	Cylindrical	16	-	-	O	2	
17001140	E90-TP07-D16Z3C16-L150	16	25	150	Cylindrical	16	-	-	O	3	
17001141	E90-TP07-D17Z3C16-L150	17	25	150	Cylindrical	16	-	-	O	3	
17001192	E90-TP07-D17Z2C16-L150	17	25	150	Cylindrical	16	-	-	O	2	
17001193	E90-TP07-D17Z2C16-L200	17	25	200	Cylindrical	16	-	-	O	2	
17001142	E90-TP07-D18Z3C16-L150	18	25	150	Cylindrical	16	-	-	O	3	
17001143	E90-TP07-D20Z3C20-L160	20	25	160	Cylindrical	20	-	-	O	3	
17001194	E90-TP07-D21Z3C20-L160	21	25	160	Cylindrical	20	-	-	O	2	
17001146	E90-TP07-D25Z5C25-L115	25	25	115	Cylindrical	25	-	-	O	5	
17001161	E90-TP07-D42Z8C32-L130	42	30	130	Cylindrical	32	-	-	O	8	
17001154	M90-TP07-D16Z2M08	16	23	40	Modular	M08	-	13	O	2	
17001155	M90-TP07-D20Z3M10	20	35	55	Modular	M10	-	18	O	3	
17001156	M90-TP07-D22Z4M10	22	35	55	Modular	M10	-	18	O	4	
17001157	M90-TP07-D25Z5M12	25	35	57	Modular	M12	-	21	O	5	
17001158	M90-TP07-D32Z6M16	32	43	68	Modular	M16	-	29	O	6	
17001159	M90-TP07-D40Z7M16	40	43	68	Modular	M16	-	29	O	7	
17001160	M90-TP07-D42Z8M16	42	43	68	Modular	M16	-	29	O	8	
17001149	F90-TP07-D32Z6S16	32	-	32	Shellmill	16	18,0	30	O	6	
17001150	F90-TP07-D35Z7S16	35	-	35	Shellmill	16	18,0	30	O	7	
17001151	F90-TP07-D40Z7S16	40	-	40	Shellmill	16	18,0	38	O	7	
17001152	F90-TP07-D40Z8S16	40	-	40	Shellmill	16	18,0	38	O	8	
17001153	F90-TP07-D40Z8S22	40	-	40	Shellmill	22	20,0	38	O	8	
17001162	F90-TP07-D50Z9S22	50	-	40	Shellmill	22	20,0	45	O	9	
17001163	F90-TP07-D52Z9S22	52	-	40	Shellmill	22	20,0	45	O	9	

Milling - Shoulder Milling - Inserts

TPKT - Shoulder Milling Positive (3 Corner ISO)



Series	KRINS	IC	S
TP** 07	90	5.51	2.62
TP** 1104	90	7.54	4.28
TP** 1605	90	11.66	5.38

TPCT07/TPKT07 INSERT

EDP	Material Description	RE (mm)	Fz (mm/tooth)	BS (mm)	Grade
12001008	TPCT070302R-AL-YG50/TPCT070302R-AL	0,2	0.05 ~ 0.2	1,35	YG50
12001009	TPCT070304R-AL-YG50/TPCT070304R-AL	0,4	0.05 ~ 0.2	1,15	YG50
12001011	TPCT070308R-AL-YG50/TPCT070308R-AL	0,8	0.05 ~ 0.2	0,75	YG50
12000986	TPKT070302R-GN-YG612/TPKT070302R-GN	0,2	0.05 ~ 0.2	1	YG612
12000987	TPKT070302R-GN-YG012/TPKT070302R-GN	0,2	0.05 ~ 0.2	1	YG012
12000988	TPKT070302R-GN-YG613/TPKT070302R-GN	0,2	0.05 ~ 0.2	1	YG613
12000989	TPKT070302R-GN-YG712/TPKT070302R-GN	0,2	0.05 ~ 0.2	1	YG712
12000990	TPKT070304R-GN-YG612/TPKT070304R-GN	0,4	0.05 ~ 0.2	0,9	YG612
12000991	TPKT070304R-GN-YG012/TPKT070304R-GN	0,4	0.05 ~ 0.2	0,9	YG012
12000992	TPKT070304R-GN-YG613/TPKT070304R-GN	0,4	0.05 ~ 0.2	0,9	YG613
12000993	TPKT070304R-GN-YG712/TPKT070304R-GN	0,4	0.05 ~ 0.2	0,9	YG712
12000994	TPKT070304R-GN-YG5020/TPKT070304R-GN	0,4	0.05 ~ 0.2	0,9	YG5020
12000995	TPKT070304R-GN-YG501/TPKT070304R-GN	0,4	0.05 ~ 0.2	0,9	YG501
12000996	TPKT070308R-GN-YG612/TPKT070308R-GN	0,8	0.05 ~ 0.2	0,5	YG612
12000997	TPKT070308R-GN-YG012/TPKT070308R-GN	0,8	0.05 ~ 0.2	0,5	YG012
12000998	TPKT070308R-GN-YG613/TPKT070308R-GN	0,8	0.05 ~ 0.2	0,5	YG613
12000999	TPKT070308R-GN-YG712/TPKT070308R-GN	0,8	0.05 ~ 0.2	0,5	YG712
12001000	TPKT070308R-GN-YG5020/TPKT070308R-GN	0,8	0.05 ~ 0.2	0,5	YG5020
12001001	TPKT070308R-GN-YG501/TPKT070308R-GN	0,8	0.05 ~ 0.2	0,5	YG501
12001002	TPKT070302R-ST-YG612/TPKT070302R-ST	0,2	0.05 ~ 0.13	1	YG612
12001003	TPKT070302R-ST-YG613/TPKT070302R-ST	0,2	0.05 ~ 0.13	1	YG613
12001004	TPKT070304R-ST-YG612/TPKT070304R-ST	0,4	0.05 ~ 0.13	0,9	YG612
12001005	TPKT070304R-ST-YG613/TPKT070304R-ST	0,4	0.05 ~ 0.13	0,9	YG613
12001006	TPKT070308R-ST-YG612/TPKT070308R-ST	0,8	0.05 ~ 0.13	0,5	YG612
12001007	TPKT070308R-ST-YG613/TPKT070308R-ST	0,8	0.05 ~ 0.13	0,5	YG613

** Clamping Torque (Nm) 0.6Nm

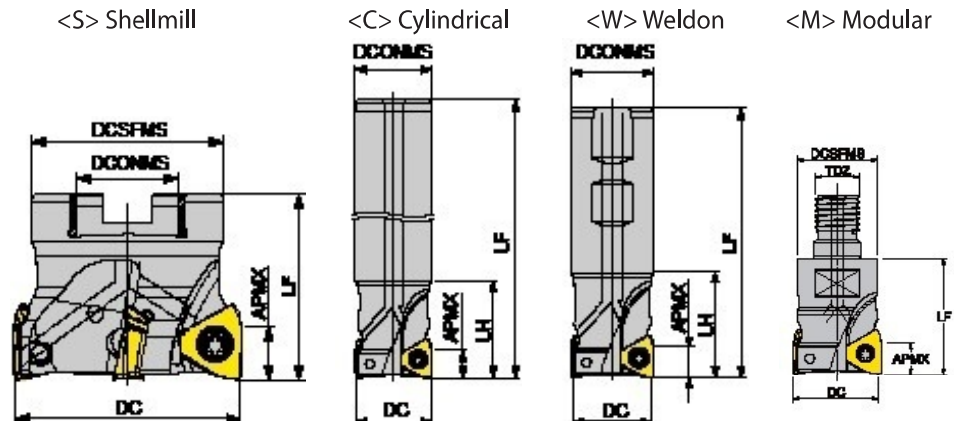
TPKT07	Screw	Wrench	Handle	BIT
Description	TP062004-GS	TPWBTP06	DH-H4	DB-TP06
EDP	18000252	18000277	18000189	18000274

Milling - Shoulder Milling - Cutter

Cutters for TPKT

Entering Angle : 90°

3 Corner Positive



TPCT11/TPKT11 CUTTER

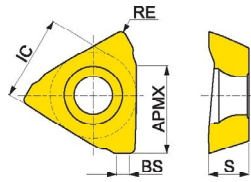
CICT : Number of Inserts
CBDP : Connection Bore Depth

Unit : mm

EDP	Material Description	DC	LH	LF	Type	DCON /TDZ	CBDP	DCSFMS		CICT (Pocket)	
17000995	E90-TP11-D20Z2W20-L90	20	40	90	Weldon	20	-	-	O	2	
17001040	E90-TP11-D25Z3W25-L100	25	40	100	Weldon	25	-	-	O	3	
17001046	E90-TP11-D32Z4W32-L110	32	40	110	Weldon	32	-	-	O	4	
17001049	E90-TP11-D40Z5W32-L115	40	40	115	Weldon	32	-	-	O	5	
17001037	E90-TP11-D20Z2C20-L170	20	40	170	Cylindrical	20	-	-	O	2	
17001026	E90-TP11-D25Z3C25-L200	20	150	200	Cylindrical	25	-	-	O	3	
17001038	E90-TP11-D21Z2C20-L150	21	40	150	Cylindrical	20	-	-	O	2	
17001039	E90-TP11-D21Z2C20-L200	21	40	200	Cylindrical	20	-	-	O	2	
17001041	E90-TP11-D26Z2C25-L200	26	40	200	Cylindrical	25	-	-	O	2	
17001042	E90-TP11-D26Z2C25-L250	26	40	200	Cylindrical	25	-	-	O	2	
17001043	E90-TP11-D26Z3C25-L150	26	40	150	Cylindrical	25	-	-	O	3	
17001044	E90-TP11-D26Z3C25-L200	26	40	200	Cylindrical	25	-	-	O	3	
17001045	E90-TP11-D32Z3C32-L230	32	60	230	Cylindrical	32	-	-	O	3	
17001047	E90-TP11-D33Z3C32-L200	33	40	200	Cylindrical	32	-	-	O	3	
17001048	E90-TP11-D40Z4C32-L200	40	60	200	Cylindrical	32	-	-	O	4	
17001093	M90-TP11-D20Z2M10	20	35	55	Modular	M10	-	18	O	2	
17001094	M90-TP11-D25Z3M12	25	35	57	Modular	M12	-	21	O	3	
17001095	M90-TP11-D32Z4M16	32	43	68	Modular	M16	-	29	O	4	
17001096	M90-TP11-D35Z5M16	35	43	68	Modular	M16	-	29	O	5	
17001050	F90-TP11-D40Z5S16	40	-	40	Shellmill	16	20	38	O	5	
17001097	F90-TP11-D42Z5S16	42	-	40	Shellmill	16	20	38	O	5	
17001051	F90-TP11-D50Z6S22	50	-	40	Shellmill	22	20	42	O	6	
17001098	F90-TP11-D52Z6S22	52	-	40	Shellmill	22	20	48	O	6	
17001118	F90-TP11-D52Z5S22	52	-	40	Shellmill	22	20	48	O	5	
17001052	F90-TP11-D63Z7S22	63	-	40	Shellmill	22	20	48	O	7	
17001053	F90-TP11-D63Z8S22	63	-	40	Shellmill	22	20	48	O	8	
17001119	F90-TP11-D80Z9S27	80	-	50	Shellmill	27	23	60	O	9	
17001120	F90-TP11-D100Z11S32	100	-	50	Shellmill	32	26	80	O	11	

Milling - Shoulder Milling - Inserts

TPKT - Shoulder Milling Positive (3 Corner ISO)



Series	KRINS	IC	S
TP** 07	90	5.51	2.62
TP** 1104	90	7.54	4.28
TP** 1605	90	11.66	5.38

TPCT11/TPKT11 INSERT

EDP	Material Description	RE (mm)	Fz (mm/tooth)	BS (mm)	Grade
12000894	TPCT110404R-AL-YG50/TPCT110404R-AL	0,4	0.05 ~ 0.25	1,5	YG50
12000895	TPCT110408R-AL-YG50/TPCT110408R-AL	0,8	0.05 ~ 0.25	1,1	YG50
12000801	TPKT110404R-GN-YG612/TPKT110404R-GN	0,4	0.05 ~ 0.24	1,6	YG612
12000802	TPKT110404R-GN-YG012/TPKT110404R-GN	0,4	0.05 ~ 0.24	1,6	YG012
12000807	TPKT110404R-GN-YG712/TPKT110404R-GN	0,4	0.05 ~ 0.24	1,6	YG712
12000808	TPKT110404R-GN-YG5020/TPKT110404R-GN	0,4	0.05 ~ 0.24	1,6	YG5020
12000928	TPKT110404R-GN-YG501/TPKT110404R-GN	0,4	0.05 ~ 0.24	1,6	YG501
12000803	TPKT110408R-GN-YG612/TPKT110408R-GN	0,8	0.05 ~ 0.24	1,15	YG612
12000804	TPKT110408R-GN-YG012/TPKT110408R-GN	0,8	0.05 ~ 0.24	1,15	YG012
12000811	TPKT110408R-GN-YG712/TPKT110408R-GN	0,8	0.05 ~ 0.24	1,15	YG712
12000812	TPKT110408R-GN-YG5020/TPKT110408R-GN	0,8	0.05 ~ 0.24	1,15	YG5020
12000929	TPKT110408R-GN-YG501/TPKT110408R-GN	0,8	0.05 ~ 0.24	1,15	YG501
12000805	TPKT110416R-GN-YG612/TPKT110416R-GN	1,6	0.05 ~ 0.24	0,6	YG612
12000806	TPKT110416R-GN-YG012/TPKT110416R-GN	1,6	0.05 ~ 0.24	0,6	YG012
12000815	TPKT110416R-GN-YG712/TPKT110416R-GN	1,6	0.05 ~ 0.24	0,6	YG712
12000816	TPKT110416R-GN-YG5020/TPKT110416R-GN	1,6	0.05 ~ 0.24	0,6	YG5020
12000930	TPKT110416R-GN-YG501/TPKT110416R-GN	1,6	0.05 ~ 0.24	0,6	YG501
12000809	TPKT110404R-ST-YG612/TPKT110404R-ST	0,4	0.05 ~ 0.15	1,6	YG612
12000810	TPKT110404R-ST-YG613/TPKT110404R-ST	0,4	0.05 ~ 0.15	1,6	YG613
12000813	TPKT110408R-ST-YG612/TPKT110408R-ST	0,8	0.05 ~ 0.15	1,15	YG612
12000814	TPKT110408R-ST-YG613/TPKT110408R-ST	0,8	0.05 ~ 0.15	1,15	YG613

* Clamping Torque (Nm) 1.2Nm

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

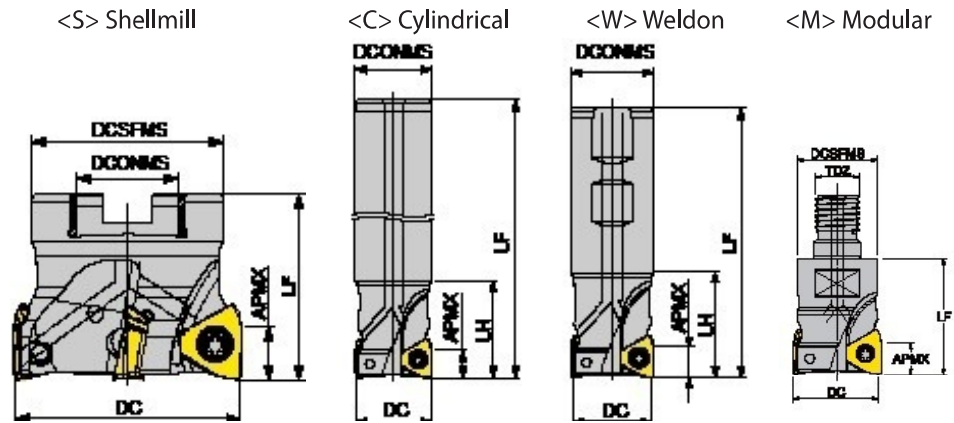
TPKT1104 (over D25)	Screw	Wrench	Handle	BIT
Description	TP082506-GS	TPWBTP08	DH-H4	DB-TP08
EDP	18000259	18000218	18000189	18000190

Milling - Shoulder Milling - Cutter

Cutters for TPKT

Entering Angle : 90°

3 Corner Positive



Unit : mm

TPCT16/TPKT16 CUTTER

CICT : Number of Inserts
CBDP : Connection Bore Depth

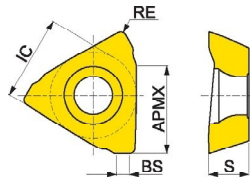
EDP	Material Description	DC	LH	LF	Type	DCON /TDZ	CBDP	DCSFMS	PCD		CICT (Pocket)	
17000944	E90-TP16-D40Z3W32-L110	40	40	-	Weldon	32	-	-	-	O	3	
17000941	E90-TP16-D32Z2C32-L150	32	40	150	Cylindrical	32	-	-	-	O	2	
17000942	E90-TP16-D32Z2C32-L250	32	80	250	Cylindrical	32	-	-	-	O	2	
17000929	E90-TP16-D33Z2C32-L200	33	40	200	Cylindrical	32	-	-	-	O	2	
17001010	E90-TP16-D33Z2C32-L250	33	40	250	Cylindrical	32	-	-	-	O	2	
17000945	E90-TP16-D40Z4C32-L200	40	40	-	Cylindrical	32	-	-	-	O	4	
17000931	F90-TP16-D50Z4S22	50	-	40	Shellmill	22	20	42	-	O	4	
17001069	F90-TP16-D50Z5S22	50	-	40	Shellmill	22	20	42	-	O	5	
17000932	F90-TP16-D63Z5S22	63	-	40	Shellmill	22	20	48	-	O	5	
17000947	F90-TP16-D63Z6S22	63	-	40	Shellmill	22	20	48	-	O	6	
17000948	F90-TP16-D80Z6S27	80	-	50	Shellmill	27	23	56	-	O	6	
17000949	F90-TP16-D80Z7S27	80	-	50	Shellmill	27	23	56	-	O	7	
17000950	F90-TP16-D100Z8S32	100	-	50	Shellmill	32	26	67	-	O	8	
17000951	F90-TP16-D125Z10S40	125	-	63	Shellmill	40	29	89	-	O	10	
17000952	F90-TP16-D125Z12S40	125	-	63	Shellmill	40	29	89	-	O	12	
17000953	F90-TP16-D160Z11S40	160	-	63	Shellmill	40	40	110	66,7	X	11	
17000955	F90-TP16-D200Z11S60	200	-	63	Shellmill	60	32	160	101,6	X	11	

* Clamping Torque (Nm) 0.6Nm

TPKT1605	Screw	Wrench	Handle	BIT
Description	TP062004-GS	TPWBTP06	DH-H4	DB-TP06
EDP	18000252	18000277	18000189	18000274

Milling - Shoulder Milling - Inserts

TPKT - Shoulder Milling Positive (3 Corner ISO)



Series	KRINS	IC	S
TP** 07	90	5.51	2.62
TP** 1104	90	7.54	4.28
TP** 1605	90	11.66	5.38

TPCT16/TPKT16 INSERT

EDP	Material Description	RE (mm)	Fz (mm/tooth)	BS (mm)	Grade
12000896	TPCT160504R-AL-YG50/TPCT160504R-AL	0,4	0.05 ~ 0.5	2,4	YG50
12000897	TPCT160508R-AL-YG50/TPCT160508R-AL	0,8	0.05 ~ 0.5	1,9	YG50
12000888	TPKT160504R-GN-YG012/TPKT160504R-GN	0,4	0.05 ~ 0.27	2,19	YG012
12000890	TPKT160504R-GN-YG5020/TPKT160504R-GN	0,4	0.05 ~ 0.27	2,19	YG5020
12000887	TPKT160504R-GN-YG612/TPKT160504R-GN	0,4	0.05 ~ 0.27	2,19	YG612
12000889	TPKT160504R-GN-YG712/TPKT160504R-GN	0,4	0.05 ~ 0.27	2,19	YG712
12000931	TPKT160504R-GN-YG501/TPKT160504R-GN	0,4	0.05 ~ 0.27	2,19	YG501
12000718	TPKT160508R-GN-YG612/TPKT160508R-GN	0,8	0.05 ~ 0.27	1,79	YG612
12000779	TPKT160508R-GN-YG712/TPKT160508R-GN	0,8	0.05 ~ 0.27	1,79	YG712
12000780	TPKT160508R-GN-YG5020/TPKT160508R-GN	0,8	0.05 ~ 0.27	1,79	YG5020
12000781	TPKT160508R-GN-YG012/TPKT160508R-GN	0,8	0.05 ~ 0.27	1,79	YG012
12000932	TPKT160508R-GN-YG501/TPKT160508R-GN	0,8	0.05 ~ 0.27	1,79	YG501
12000784	TPKT160516R-GN-YG612/TPKT160516R-GN	1,6	0.05 ~ 0.27	1,2	YG612
12000785	TPKT160516R-GN-YG012/TPKT160516R-GN	1,6	0.05 ~ 0.27	1,2	YG012
12000786	TPKT160516R-GN-YG712/TPKT160516R-GN	1,6	0.05 ~ 0.27	1,2	YG712
12000787	TPKT160516R-GN-YG5020/TPKT160516R-GN	1,6	0.05 ~ 0.27	1,2	YG5020
12000933	TPKT160516R-GN-YG501/TPKT160516R-GN	1,6	0.05 ~ 0.27	1,2	YG501
12000788	TPKT160524R-GN-YG612/TPKT160524R-GN	2,4	0.05 ~ 0.27	0,7	YG612
12000789	TPKT160524R-GN-YG012/TPKT160524R-GN	2,4	0.05 ~ 0.27	0,7	YG012
12000790	TPKT160524R-GN-YG712/TPKT160524R-GN	2,4	0.05 ~ 0.27	0,7	YG712
12000791	TPKT160524R-GN-YG5020/TPKT160524R-GN	2,4	0.05 ~ 0.27	0,7	YG5020
12000934	TPKT160524R-GN-YG501/TPKT160524R-GN	2,4	0.05 ~ 0.27	0,7	YG501
12000892	TPKT160504R-ST-YG613/TPKT160504R-ST	0,4	0.05 ~ 0.15	2,19	YG613
12000758	TPKT160508R-ST-YG612/TPKT160508R-ST	0,8	0.05 ~ 0.15	1,79	YG612
12000759	TPKT160508R-ST-YG613/TPKT160508R-ST	0,8	0.05 ~ 0.15	1,79	YG613

Various Insert Size

Increases the range of choices for customer



TPKT07



TPKT11



TPKT16

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