



WENDESCHNEIDPLATTEN AKTION

FRÄSEN & BOHREN / ABSTECHEN & EINSTECHEN



1st-cut Tooling Solutions e.K.
Advanced Tooling & Machining

Anwendungstechnik
Prozessoptimierung
Zerspanungslösungen
Werkzeugvertrieb

Fragen zu Werkzeugen,
Standzeiten oder
Prozessoptimierung?

Andreas Stolze

Telefon · E-Mail · WhatsApp
+49 15174271616
+49 8422 8269345
info@1st-cut.de
www.1st-cut.de

ENMX

4 Schneidkanten
Hochvorschubfräsen

PNMU

10 Schneidkanten
Negatives Planfräsen

TPKT

Echte 90°-Schulter
Eckfräsen

LNHU/LNKU

4 Schneidkanten
Hochproduktive
Tangentialplatte

WNEX

6 Schneidkanten
zum Eckfräsen

SYMx

Hocheffiziente
Bohrlösung

Abstechen & Einstechen

Produkterweiterung
für universelle
Bearbeitung

Aktionsbedingungen

Bis zum 31. Dezember 2026

Nicht mit anderen Angeboten/Rabatten kombinierbar.

* Abstech- & Einstech-Aktion

* Aktionszeitraum: bis 31.12.2026

Größe (mm)	Aktionsbedingung	Bemerkung
2 / 3 / 4 5 / 6 / 8	Kauf von 10 Stk. der passenden Wendepplatten, 1 Halter für 1,5 EUR	

* Self-Grip-Aktion

* Aktionszeitraum: bis 31.12.2026

Größe (mm)	Aktionsbedingung	Bemerkung
2 / 3 / 4 / 5	Kauf von 50 Stk. Wendepplatten + 1 Stechschwert, 1 Block für 1,5 EUR Kauf von 50 Stk. Wendepplatten, 1 Stechschwert für 1,5 EUR	

* Captive Fräs-Aktion

* Aktionszeitraum: bis 31.12.2026

Captive WSP	Aktionsbedingung	Bemerkung
ENMX	Kauf von 10 Stk. WSP pro Plattensitz , 1 Fräser für 1,5 EUR	
PNMU		
TPKT 07 / 11 / 16		
LNHU / LNKU 13		
WNEX 04 / WNEX 08		

* Captive Bohr-Aktion

* Aktionszeitraum: bis 31.12.2026

Plattengröße	Aktionsbedingung	Bemerkung
SYMx 05 / 06 / 07 / 08 / 10 / 11	Kauf von 30 Stk. WSP , 1 Halter für 1,5 EUR ** 1 Halter wählbar bei gleichem L/D-Verhältnis	
SYMx 13 / 15	Kauf von 30 Stk. WSP , 1 Halter mit 50 % Rabatt ** 1 Halter wählbar bei gleichem L/D-Verhältnis	

YG PROMOTION

HF4

YG MILL High Feed Milling Insert **ENMX**

for Narrow to wide and long reach application

Features

- Cutter Diameter range : 16~125mm (.625"~6")
- Double-sided insert with 4 corners
- Wide flank face with reinforced insert shape
- Positive rake angle & Small entering angle



ENMX General

Carbon Steel
Low Alloy Steel
Alloy Steel



ENMX -TR

Reinforced Edge
High Alloy Steel
Hardened Steel
Cast Iron

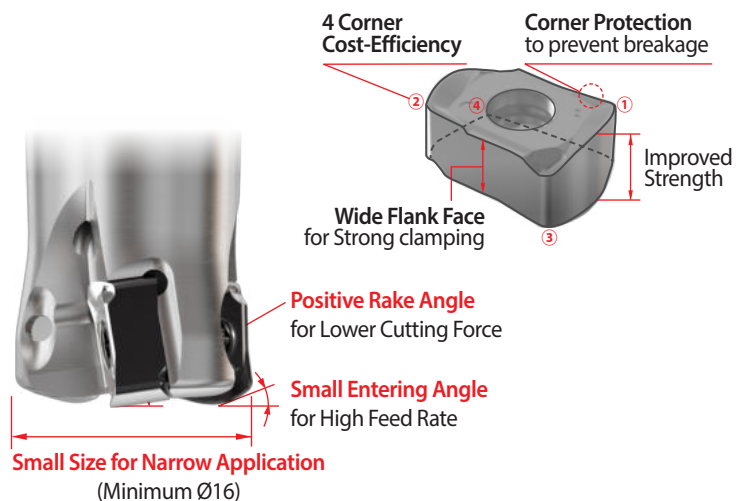


ENMX -ST

Sharp Geometry
Stainless Steel
Sticky Material
Super Alloy

Key Technology

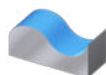
High feed milling, profiling, face milling, ramping, plunging, helical interpolation



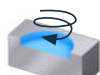
Applications



High Feed
Milling



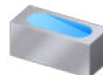
Profiling



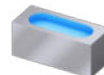
Helical
Interpolation



Face Milling



Ramping



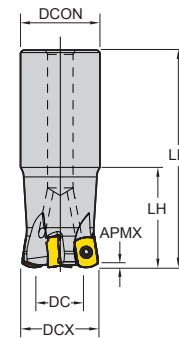
Plunging

Cutters for ENMX

Entering Angle : 10°

4 Corner Negative

<C> Cylindrical



CICT : Number of Inserts
CBDP : Connection Bore Depth

Unit : mm

Material	Product Type	Material Description	DC	DCX	CICT	LF	TYPE	DCON	LH	CBDP	DCSFMS	
17000644	ENMX06 Cutter	EHF - ENMX06 - D16Z2C16 - L100	9	16	2	100	Cylindrical	16	30	-	-	●
17000645	ENMX06 Cutter	EHF - ENMX06 - D16Z2C16 - L150	9	16	2	150		16	50	-	-	●
17000674	ENMX06 Cutter	EHF - ENMX06 - D17Z2C16 - L100	10	17	2	100		16	20	-	-	●
17000473	ENMX06 Cutter	EHF - ENMX06 - D17Z2C16 - L150	10	17	2	150		16	20	-	-	●
17000463	ENMX06 Cutter	EHF - ENMX06 - D20Z3C20 - L130	12.6	20	3	130		20	50	-	-	●
17000646	ENMX06 Cutter	EHF - ENMX06 - D20Z3C20 - L160	12.6	20	3	160		20	80	-	-	●
17000475	ENMX06 Cutter	EHF - ENMX06 - D21Z3C20 - L150	13.6	21	3	150		20	20	-	-	●
17000476	ENMX06 Cutter	EHF - ENMX06 - D21Z3C20 - L200	13.6	21	3	200		20	20	-	-	●
17000647	ENMX06 Cutter	EHF - ENMX06 - D25Z4C25 - L140	17.6	25	4	140		25	60	-	-	●
17000464	ENMX06 Cutter	EHF - ENMX06 - D25Z4C25 - L180	17.6	25	4	180		25	80	-	-	●
17000648	ENMX06 Cutter	EHF - ENMX06 - D25Z4C25 - L250	17.6	25	4	250		25	120	-	-	●
17000479	ENMX06 Cutter	EHF - ENMX06 - D26Z4C25 - L150	18.6	26	4	150		25	30	-	-	●
17000480	ENMX06 Cutter	EHF - ENMX06 - D26Z4C25 - L200	18.6	26	4	200		25	30	-	-	●
17000649	ENMX06 Cutter	EHF - ENMX06 - D32Z5C32 - L150	24.6	32	5	150		32	70	-	-	●
17000465	ENMX06 Cutter	EHF - ENMX06 - D32Z5C32 - L200	24.6	32	5	200		32	100	-	-	●

► NEXT PAGE

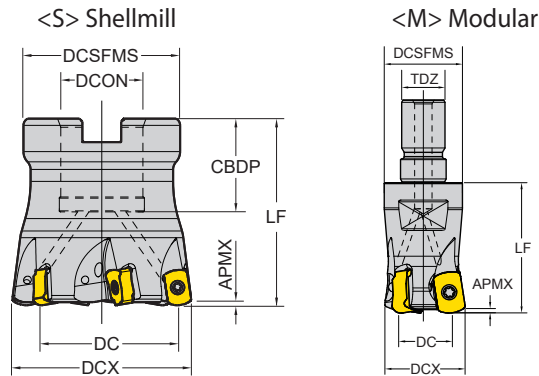
* Clamping Torque (Nm) 1.2Nm

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

Cutters for ENMX

Entering Angle : 10°

4 Corner Negative



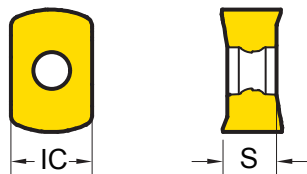
CICT : Number of Inserts
CDBP : Connection Bore Depth

Unit : mm

Material	Product Type	Material Description	DC	DCX	CICT	LF	TYPE	DCON	LH	CDBP	DCSFMS	
17000691	ENMX06 Cutter	MHF - ENMX06 - D16Z2M08	9	16	2	23	Modular	M08	-	-	13	●
17000730	ENMX06 Cutter	MHF - ENMX06 - D18Z2M08	11	18	2	23		M08	-	-	13	●
17000692	ENMX06 Cutter	MHF - ENMX06 - D20Z3M10	12.6	20	3	30		M10	-	-	18	●
17000693	ENMX06 Cutter	MHF - ENMX06 - D25Z4M12	17.6	25	4	35		M12	-	-	21	●
17000694	ENMX06 Cutter	MHF - ENMX06 - D32Z5M16	24.6	32	5	42		M16	-	-	29	●
17000695	ENMX06 Cutter	MHF - ENMX06 - D35Z5M16	27.6	35	5	42		M16	-	-	29	●
17000732	ENMX06 Cutter	MHF - ENMX06 - D40Z6M16	32.6	40	6	42		M16	-	-	29	●
17000696	ENMX06 Cutter	MHF - ENMX06 - D42Z6M16	34.6	42	6	42		M16	-	-	29	●
17000482	ENMX06 Cutter	FHF - ENMX06 - D40Z6S16	32.6	40	6	40	Shellmill	16	-	18	37	●
17000471	ENMX06 Cutter	FHF - ENMX06 - D50Z6S22	42.6	50	6	50		22	-	25	42	●

* Clamping Torque (Nm) 1.2Nm

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



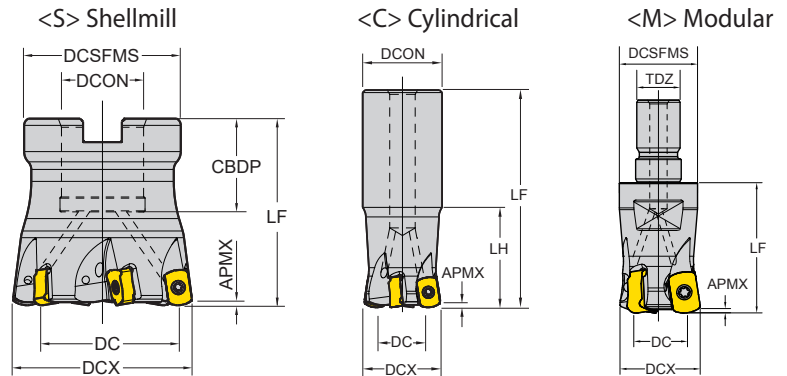
Unit : mm

Material	Product Type	Material Description	RE	Fz	Grade
12000606	ENMX06 Insert	ENMX0604-YG613/ENMX0604	0.8	0.3 ~ 2.0	YG613
12000625	ENMX06 Insert	ENMX0604-ST-YG613/ENMX0604-ST	0.8	0.1 ~ 0.8	YG613
12000504	ENMX06 Insert	ENMX0604-TR-YG712/ENMX0604-TR	0.8	0.3 ~ 2.5	YG712
12000636	ENMX06 Insert	ENMX0604-TR-YG713/ENMX0604-TR	0.8	0.3 ~ 2.5	YG713
12000733	ENMX06 Insert	ENMX0604-TR-YG012/ENMX0604-TR	0.8	0.3 ~ 2.5	YG012
12000734	ENMX06 Insert	ENMX0604-YG012/ENMX0604	0.8	0.3 ~ 2.0	YG012
12000823	ENMX06 Insert	ENMX0604-TR-YG612/ENMX0604-TR	0.8	0.3 ~ 2.5	YG612
12000973	ENMX06 Insert	ENMX0604-ST-YG612/ENMX0604-ST	0.8	0.1 ~ 0.8	YG612
12000822	ENMX06 Insert	ENMX0604-YG612/ENMX0604	0.8	0.3 ~ 2.0	YG612
12000623	ENMX06 Insert	ENMX0604-ST-YG602/ENMX0604-ST	0.8	0.1 ~ 0.8	YG602
12000459	ENMX06 Insert	ENMX0604-TR-YG602/ENMX0604-TR	0.8	0.3 ~ 2.5	YG602
12000474	ENMX06 Insert	ENMX0604-YG602/ENMX0604	0.8	0.3 ~ 2.0	YG602
12001184	ENMX06 Insert	ENMX0604-ST-YG904/ENMX0604-ST	0.8	0.1 ~ 0.8	YG904
12001185	ENMX06 Insert	ENMX0604-TR-YG904/ENMX0604-TR	0.8	0.3 ~ 2.5	YG904
12001186	ENMX06 Insert	ENMX0604-YG904/ENMX0604	0.8	0.3 ~ 2.0	YG904

Cutters for ENMX

Entering Angle : 10°

4 Corner Negative



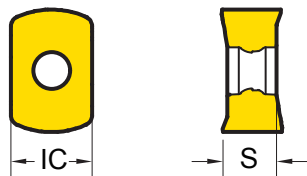
CICT : Number of Inserts
CDBP : Connection Bore Depth

Unit : mm

Material	Product Type	Material Description	DC	DCX	CICT	LF	TYPE	DCON	LH	CDBP	DCSFMS	
17000745	ENMX09 Cutter	EHF - ENMX09 - D25Z2C25 - L150	15	25	2	150	Cylindrical	25	70	-	-	●
17000746	ENMX09 Cutter	EHF - ENMX09 - D26Z2C25 - L200	16	26	2	200		25	30	-	-	●
17000747	ENMX09 Cutter	EHF - ENMX09 - D26Z3C25 - L200	16	26	3	200		25	30	-	-	●
17000748	ENMX09 Cutter	EHF - ENMX09 - D32Z3C32 - L160	22	32	3	160		32	70	-	-	●
17000749	ENMX09 Cutter	EHF - ENMX09 - D33Z3C32 - L200	23	33	3	200		32	30	-	-	●
17000750	ENMX09 Cutter	EHF - ENMX09 - D33Z4C32 - L200	23	33	4	200		32	40	-	-	●
17000751	ENMX09 Cutter	EHF - ENMX09 - D40Z5C32 - L180	30	40	5	180		32	40	-	-	●
17000820	ENMX09 Cutter	FHF - ENMX09 - D50Z3S22	40	50	3	50	Shellmill	22	-	20	42	●
17000821	ENMX09 Cutter	FHF - ENMX09 - D50Z4S22	40	50	4	50		22	-	20	42	●
17000752	ENMX09 Cutter	FHF - ENMX09 - D50Z5S22	40	50	5	50		22	-	20	42	●
17000822	ENMX09 Cutter	FHF - ENMX09 - D63Z4S22	53	63	4	50		22	-	20	48	●
17000823	ENMX09 Cutter	FHF - ENMX09 - D63Z5S22	53	63	5	50		22	-	20	48	●
17000753	ENMX09 Cutter	FHF - ENMX09 - D63Z6S22	53	63	6	50		22	-	20	48	●
17000754	ENMX09 Cutter	FHF - ENMX09 - D63Z7S22	53	63	7	50		22	-	20	48	●
17000755	ENMX09 Cutter	FHF - ENMX09 - D80Z8S27	70	80	8	50		27	-	23	56	●
17000824	ENMX09 Cutter	FHF - ENMX09 - D100Z10S32	90	100	10	63	Modular	32	-	26	78	●
17000825	ENMX09 Cutter	FHF - ENMX09 - D125Z12S40	115	125	12	63		40	-	28	89	●
17000989	ENMX09 Cutter	MHF-ENMX09-D35Z4M16	25	35	4	42		M16	-	-	29	●

* Clamping Torque (Nm) 2.0Nm

ENMX09	Screw	Wrench	Handle	BIT
Description	TP103509-GS	TPWBTP10	DH-H4	DB-TP10
EDP	18000266	18000280	18000189	18000271



Unit : mm

Material	Product Type	Material Description	RE	Fz	Grade
12000703	ENMX09 Insert	ENMX0905-YG613/ENMX0905	1	0.3 ~ 2.5	YG613
12000706	ENMX09 Insert	ENMX0905-ST-YG613/ENMX0905-ST	1	0.2 ~ 1.2	YG613
12000735	ENMX09 Insert	ENMX0905-TR-YG012/ENMX0905-TR	1	0.3 ~ 3.0	YG012
12000736	ENMX09 Insert	ENMX0905-YG012/ENMX0905	1	0.3 ~ 2.5	YG012
12000974	ENMX09 Insert	ENMX0905-ST-YG612/ENMX0905-ST	1	0.2 ~ 1.2	YG612
12000824	ENMX09 Insert	ENMX0905-YG612/ENMX0905	1	0.3 ~ 2.5	YG612
12000825	ENMX09 Insert	ENMX0905-TR-YG612/ENMX0905-TR	1	0.3 ~ 3.0	YG612
12000874	ENMX09 Insert	ENMX0905-TR-YG613/ENMX0905-TR	1	0.3 ~ 3.0	YG613
12000705	ENMX09 Insert	ENMX0905-ST-YG602/ENMX0905-ST	1	0.2 ~ 1.2	YG602
12000600	ENMX09 Insert	ENMX0905-TR-YG602/ENMX0905-TR	1	0.3 ~ 3.0	YG602
12000702	ENMX09 Insert	ENMX0905-YG602/ENMX0905	1	0.3 ~ 2.5	YG602
12001187	ENMX09 Insert	ENMX0905-ST-YG904/ENMX0905-ST	1	0.2 ~ 1.2	YG904

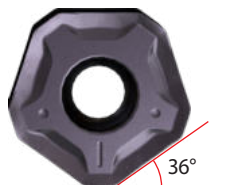
FM10 YG MILL PNMU

10 Cutting Edges Negative Face Milling Insert

YG-1 has developed an innovative milling product PNMU series.
The PNMU has 10 cutting edges with a 36° entry angle
which can give you higher productivity and stable cutting performance.

Features

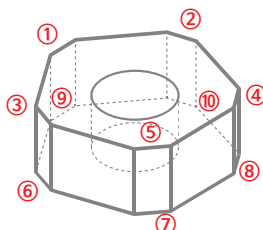
- Economical pentagonal double sided 10 cutting edge insert
- Higher depth of cut than high feed mill and higher feed rate than conventional face mill
- High Versatility with optimized grades



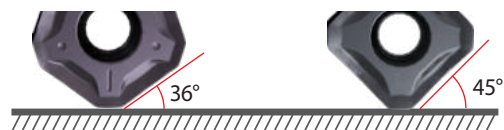
Cutting Edge & Wiper



- **Entry Angle 36°**
 - Higher Feed Rate
 - Thinner chip thickness on average
- **Curved Cutting Edge & Wiper**
 - Improved Cutting Force
 - Excellent Surface Finishing
- **10 Cutting edges**
 - Cost - Efficient



Entry Angle Comparison



Entry Angle 36°

- High Feed rate
- Small Depth of Cut
- 10 Corner Insert

Entry Angle 45°

- Low Feed rate
- Big Depth of cut
- 8 Corner Insert

Applications

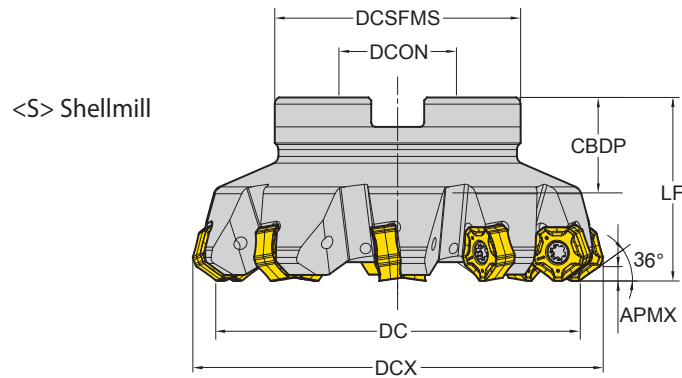


Face Milling

Milling - Face Milling - Cutter

Cutters for PNMU

Entering Angle : 36°
10 Corner Negative



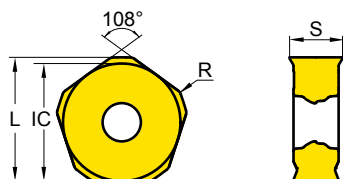
CICT : Number of Inserts
CDBP : Connection Bore Depth

Unit : mm

Material	Product Type	Material Description	DC	DCX	CICT	LU	LF	TYPE	DCON	CDBP	DCSFMS	
17000774	PNMU Cutter	F36 - PNMU12 - D50Z4S22	50	63.6	4	-	40	Shellmill	22	20	42	●
17000785	PNMU Cutter	F36 - PNMU12 - D50Z5S22	50	63.6	5	-	40		22	20	42	●
17000775	PNMU Cutter	F36 - PNMU12 - D63Z5S22	63	76.6	5	-	40		22	20	48	●
17000483	PNMU Cutter	F36 - PNMU12 - D63Z6S22	63	76.6	6	-	40		22	20	48	●
17000466	PNMU Cutter	F36 - PNMU12 - D80Z8S27	80	93.6	8	-	50		27	23	58	●
17000467	PNMU Cutter	F36 - PNMU12 - D100Z10S32	100	113.6	10	-	50		32	26	67	●
17000786	PNMU Cutter	F36 - PNMU12 - D125Z10S40	125	138.6	10	-	63		40	29	89	●

* Clamping Torque (Nm) 3.0Nm

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



Unit : mm

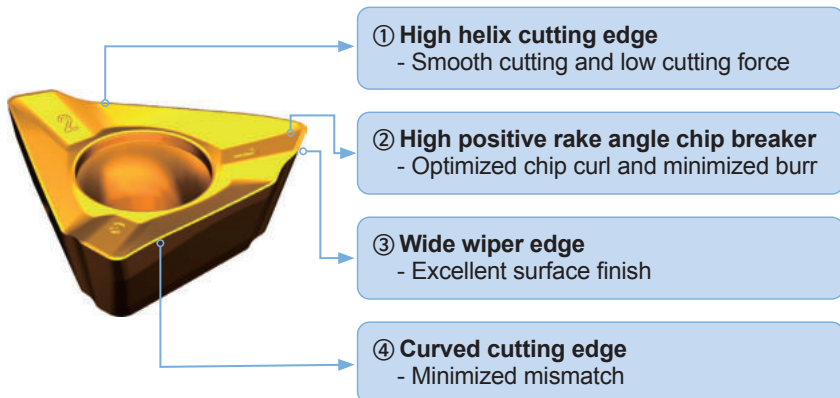
Material	Product Type	Material Description	RE	Fz	Grade
12000534	PNMU Insert	PNMU1206ZNN-YG5020/PNMU1206ZNN	0.8	0.05 ~ 0.5	YG5020
12000538	PNMU Insert	PNMU1206ZNN-YG501G/PNMU1206ZNN	0.8	0.05 ~ 0.5	YG501G
12000671	PNMU Insert	PNMU1206ZNN-YG613/PNMU1206ZNN	0.8	0.05 ~ 0.5	YG613
12000596	PNMU Insert	PNMU1206ZNN-YG712/PNMU1206ZNN	0.8	0.05 ~ 0.5	YG712
12000645	PNMU Insert	PNMU1206ZNN-YG713/PNMU1206ZNN	0.8	0.05 ~ 0.5	YG713
12000753	PNMU Insert	PNMU1206ZNN-YG012/PNMU1206ZNN	0.8	0.05 ~ 0.5	YG012
12000760	PNMU Insert	PNMU1206-ST-YG613/PNMU1206-ST	0.8	0.05 ~ 0.3	YG613
12000826	PNMU Insert	PNMU1206ZNN-YG612/PNMU1206ZNN	0.8	0.05 ~ 0.5	YG612
12000978	PNMU Insert	PNMU1206-ST-YG612/PNMU1206-ST	0.8	0.05 ~ 0.3	YG612
12000761	PNMU Insert	PNMU1206-ST-YG602/PNMU1206-ST	0.8	0.05 ~ 0.3	YG602
12000535	PNMU Insert	PNMU1206ZNN-YG602/PNMU1206ZNN	0.8	0.05 ~ 0.5	YG602

SM3 YG MILL TPKT

True 90 degree Shoulder Milling

Features

- 3 Cutting Edges for Shoulder Milling
- High Positive Helical Cutting Edge
- Higher Cost Efficiency than 2 Cutting Edges
- Wide Selection and Optimal Machining with Various Cutters and Inserts



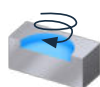
Applications



Shouldering



Slotting



Helical Interpolation



Face Milling

Key Technology



True 90° shoulder milling



Larger core size
- Higher rigidity



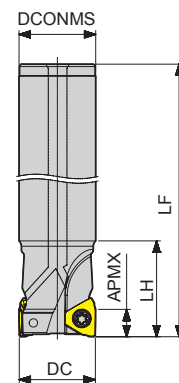
Optimal insert placement
- More inserts for high productivity

Cutters for TPKT

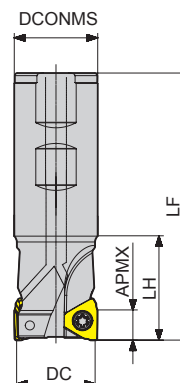
Entering Angle : 90°

3 Corner Positive

<C> Cylindrical



<W> Weldon



CICT : Number of Inserts
CBDP : Connection Bore Depth

Unit : mm

Material	Product Type	Material Description	DC	CICT	LF	TYPE	DCON	LH	CBDP	DCSFMS	
17001136	TPKT07 Cutter	E90-TP07-D12Z1C12-L80	12	1	80	Cylindrical	12	20	-	-	●
17001137	TPKT07 Cutter	E90-TP07-D14Z1C12-L80	14	1	80		12	20	-	-	●
17001138	TPKT07 Cutter	E90-TP07-D16Z2C16-L110	16	2	110		16	25	-	-	●
17001139	TPKT07 Cutter	E90-TP07-D16Z2C16-L150	16	2	150		16	25	-	-	●
17001140	TPKT07 Cutter	E90-TP07-D16Z3C16-L150	16	3	150		16	25	-	-	●
17001141	TPKT07 Cutter	E90-TP07-D17Z3C16-L150	17	3	150		16	25	-	-	●
17001142	TPKT07 Cutter	E90-TP07-D18Z3C16-L150	18	3	150		16	25	-	-	●
17001143	TPKT07 Cutter	E90-TP07-D20Z3C20-L160	20	3	160		20	25	-	-	●
17001146	TPKT07 Cutter	E90-TP07-D25Z5C25-L115	25	5	115		25	25	-	-	●
17001161	TPKT07 Cutter	E90-TP07-D42Z8C32-L130	42	8	130		32	30	-	-	●
17001144	TPKT07 Cutter	E90-TP07-D25Z4W20-L115	25	4	115	Weldon	20	25	-	-	●
17001145	TPKT07 Cutter	E90-TP07-D25Z5W25-L115	25	5	115		25	25	-	-	●
17001147	TPKT07 Cutter	E90-TP07-D32Z6W25-L130	32	6	130		25	30	-	-	●
17001148	TPKT07 Cutter	E90-TP07-D40Z8W32-L130	40	8	130		32	30	-	-	●

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* Clamping Torque (Nm) 0.6Nm

TPKT0703	Screw	Wrench	Handle	BIT
Description	TP062004-GS	TPWBTP06	DH-H4	DB-TP06
EDP	18000252	18000277	18000189	18000274

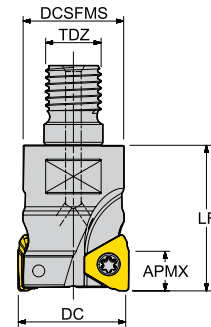
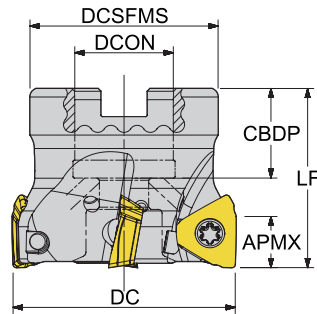
Cutters for TPKT

Entering Angle : 90°

3 Corner Positive

<S> Shellmill

<M> Modular



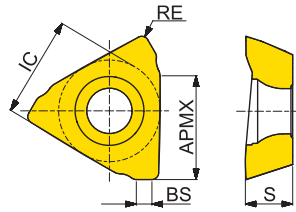
CICT : Number of Inserts
CBDP : Connection Bore Depth

Unit : mm

Material	Product Type	Material Description	DC	CICT	LF	TYPE	DCON	LH	CBDP	DCSFMS	
17001149	TPKT07 Cutter	F90-TP07-D32Z6S16	32	6	32	Shellmill	16	-	18	30	●
17001150	TPKT07 Cutter	F90-TP07-D35Z7S16	35	7	35		16	-	18	30	●
17001151	TPKT07 Cutter	F90-TP07-D40Z7S16	40	7	40		16	-	18	38	●
17001152	TPKT07 Cutter	F90-TP07-D40Z8S16	40	8	40		16	-	18	38	●
17001153	TPKT07 Cutter	F90-TP07-D40Z8S22	40	8	40		22	-	20	38	●
17001162	TPKT07 Cutter	F90-TP07-D50Z9S22	50	9	40		22	-	20	45	●
17001163	TPKT07 Cutter	F90-TP07-D52Z9S22	52	9	40		22	-	20	45	●
17001154	TPKT07 Cutter	M90-TP07-D16Z2M08	16	2	40	Modular	M08	23	-	13	●
17001155	TPKT07 Cutter	M90-TP07-D20Z3M10	20	3	55		M10	35	-	18	●
17001156	TPKT07 Cutter	M90-TP07-D22Z4M10	22	4	55		M10	35	-	18	●
17001157	TPKT07 Cutter	M90-TP07-D25Z5M12	25	5	57		M12	35	-	21	●
17001158	TPKT07 Cutter	M90-TP07-D32Z6M16	32	6	68		M16	43	-	29	●
17001159	TPKT07 Cutter	M90-TP07-D40Z7M16	40	7	68		M16	43	-	29	●
17001160	TPKT07 Cutter	M90-TP07-D42Z8M16	42	8	68		M16	43	-	29	●

* Clamping Torque (Nm) 0.6Nm

TPKT0703	Screw	Wrench	Handle	BIT
Description	TP062004-GS	TPWBTP06	DH-H4	DB-TP06
EDP	18000252	18000277	18000189	18000274



Unit : mm

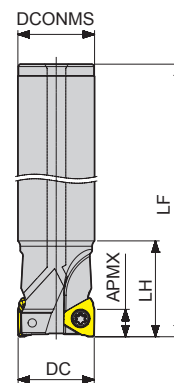
Material	Product Type	Material Description	RE	Fz	Grade
12000986	TPKT07 Inserts	TPKT070302R-GN-YG612/TPKT070302R-GN	0.2	0.05 ~ 0.2	YG612
12000987	TPKT07 Inserts	TPKT070302R-GN-YG012/TPKT070302R-GN	0.2	0.05 ~ 0.2	YG012
12000988	TPKT07 Inserts	TPKT070302R-GN-YG613/TPKT070302R-GN	0.2	0.05 ~ 0.2	YG613
12000989	TPKT07 Inserts	TPKT070302R-GN-YG712/TPKT070302R-GN	0.2	0.05 ~ 0.2	YG712
12000990	TPKT07 Inserts	TPKT070304R-GN-YG612/TPKT070304R-GN	0.4	0.05 ~ 0.2	YG612
12000991	TPKT07 Inserts	TPKT070304R-GN-YG012/TPKT070304R-GN	0.4	0.05 ~ 0.2	YG012
12000992	TPKT07 Inserts	TPKT070304R-GN-YG613/TPKT070304R-GN	0.4	0.05 ~ 0.2	YG613
12000993	TPKT07 Inserts	TPKT070304R-GN-YG712/TPKT070304R-GN	0.4	0.05 ~ 0.2	YG712
12000994	TPKT07 Inserts	TPKT070304R-GN-YG5020/TPKT070304R-GN	0.4	0.05 ~ 0.2	YG5020
12000995	TPKT07 Inserts	TPKT070304R-GN-YG501/TPKT070304R-GN	0.4	0.05 ~ 0.2	YG501
12000996	TPKT07 Inserts	TPKT070308R-GN-YG612/TPKT070308R-GN	0.8	0.05 ~ 0.2	YG612
12000997	TPKT07 Inserts	TPKT070308R-GN-YG012/TPKT070308R-GN	0.8	0.05 ~ 0.2	YG012
12000998	TPKT07 Inserts	TPKT070308R-GN-YG613/TPKT070308R-GN	0.8	0.05 ~ 0.2	YG613
12000999	TPKT07 Inserts	TPKT070308R-GN-YG712/TPKT070308R-GN	0.8	0.05 ~ 0.2	YG712
12001000	TPKT07 Inserts	TPKT070308R-GN-YG5020/TPKT070308R-GN	0.8	0.05 ~ 0.2	YG5020
12001001	TPKT07 Inserts	TPKT070308R-GN-YG501/TPKT070308R-GN	0.8	0.05 ~ 0.2	YG501
12001002	TPKT07 Inserts	TPKT070302R-ST-YG612/TPKT070302R-ST	0.2	0.05 ~ 0.13	YG612
12001003	TPKT07 Inserts	TPKT070302R-ST-YG613/TPKT070302R-ST	0.2	0.05 ~ 0.13	YG613
12001004	TPKT07 Inserts	TPKT070304R-ST-YG612/TPKT070304R-ST	0.4	0.05 ~ 0.13	YG612
12001005	TPKT07 Inserts	TPKT070304R-ST-YG613/TPKT070304R-ST	0.4	0.05 ~ 0.13	YG613
12001006	TPKT07 Inserts	TPKT070308R-ST-YG612/TPKT070308R-ST	0.8	0.05 ~ 0.13	YG612
12001007	TPKT07 Inserts	TPKT070308R-ST-YG613/TPKT070308R-ST	0.8	0.05 ~ 0.13	YG613
12001008	TPCT07 Inserts	TPCT070302R-AL-YG50/TPCT070302R-AL	0.2	0.05 ~ 0.2	YG50
12001009	TPCT07 Inserts	TPCT070304R-AL-YG50/TPCT070304R-AL	0.4	0.05 ~ 0.2	YG50
12001011	TPCT07 Inserts	TPCT070308R-AL-YG50/TPCT070308R-AL	0.8	0.05 ~ 0.2	YG50
12001196	TPKT07 Inserts	TPKT070304R-GN-YG904/TPKT070304R-GN	0.4	0.05 ~ 0.2	YG904

Cutters for TPKT

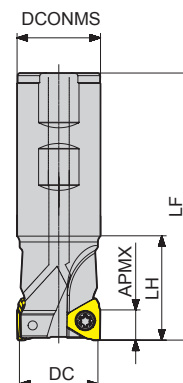
Entering Angle : 90°

3 Corner Positive

<C> Cylindrical



<W> Weldon



CICT : Number of Inserts
CBDP : Connection Bore Depth

Unit : mm

Material	Product Type	Material Description	DC	CICT	LF	TYPE	DCON	LH	CBDP	DCSFMS	
17001037	TPKT11 Cutter	E90 - TP11 - D20Z2C20 - L170	20	2	170	Cylindrical	20	40	-	-	●
17001074	TPKT11 Cutter	E90 - TP11 - D20Z2C20 - L200	20	2	200		20	60	-	-	●
17001038	TPKT11 Cutter	E90 - TP11 - D21Z2C20 - L150	21	2	150		20	40	-	-	●
17001039	TPKT11 Cutter	E90 - TP11 - D21Z2C20 - L200	21	2	200		20	40	-	-	●
17001026	TPKT11 Cutter	E90 - TP11 - D25Z3C25 - L200	25	3	200		25	60	-	-	●
17001041	TPKT11 Cutter	E90 - TP11 - D26Z2C25 - L200	26	2	200		25	40	-	-	●
17001042	TPKT11 Cutter	E90 - TP11 - D26Z2C25 - L250	26	2	250		25	40	-	-	●
17001043	TPKT11 Cutter	E90 - TP11 - D26Z3C25 - L150	26	3	150		25	40	-	-	●
17001044	TPKT11 Cutter	E90 - TP11 - D26Z3C25 - L200	26	3	200		25	40	-	-	●
17001045	TPKT11 Cutter	E90 - TP11 - D32Z3C32 - L230	32	3	230		32	60	-	-	●
17001047	TPKT11 Cutter	E90 - TP11 - D33Z3C32 - L200	33	3	200		32	40	-	-	●
17001048	TPKT11 Cutter	E90 - TP11 - D40Z4C32 - L200	40	4	200		32	60	-	-	●
17000995	TPKT11 Cutter	E90 - TP11 - D20Z2W20 - L90	20	2	90	Weldon	20	40	-	-	●
17001040	TPKT11 Cutter	E90 - TP11 - D25Z3W25 - L100	25	3	100		25	40	-	-	●
17001046	TPKT11 Cutter	E90 - TP11 - D32Z4W32 - L110	32	4	110		32	40	-	-	●
17001049	TPKT11 Cutter	E90 - TP11 - D40Z5W32 - L115	40	5	115		32	40	-	-	●

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* 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

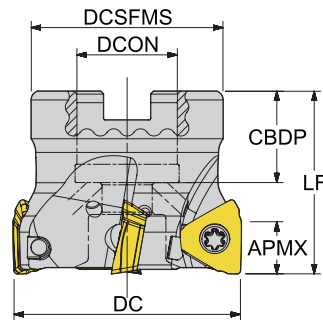
TPKT1104 (over D25)	Screw	Wrench	Handle	BIT
Description	TP082506-GS	TPWBTP08	DH-H4	DB-TP08
EDP	18000259	18000218	18000189	18000190

Cutters for TPKT

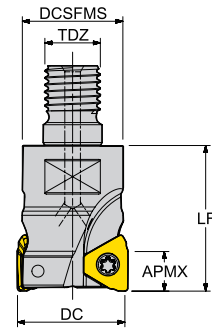
Entering Angle : 90°

3 Corner Positive

<S> Shellmill



<M> Modular



CICT : Number of Inserts
CDBP : Connection Bore Depth

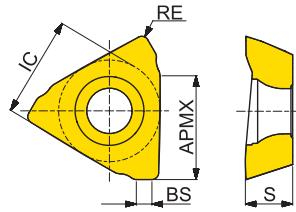
Unit : mm

Material	Product Type	Material Description	DC	CICT	LF	TYPE	DCON	LH	CDBP	DCSFMS	
17001050	TPKT11 Cutter	F90 - TP11 - D40Z5S16	40	5	40	Shellmill	16	-	20	38	●
17001051	TPKT11 Cutter	F90 - TP11 - D50Z6S22	50	6	40		22	-	20	42	●
17001052	TPKT11 Cutter	F90 - TP11 - D63Z7S22	63	7	40		22	-	20	48	●
17001053	TPKT11 Cutter	F90 - TP11 - D63Z8S22	63	8	40		22	-	20	48	●
17001095	TPKT11 Cutter	M90 - TP11 - D32Z4M16	32	4	43	Modular	M16	68	-	29	●

* Clamping Torque (Nm) 1.2Nm

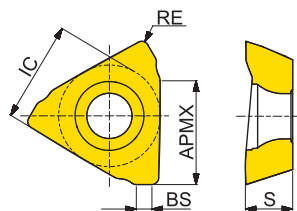
TPKT1104 (D20, D21)	Screw	Wrench	Handle	BIT
Description	TP082562-GS	TPWBTP08	DH-H4	DB-TP08
EDP	18000265	18000218	18000189	18000190

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



Unit : mm

Material	Product Type	Material Description	RE	Fz	Grade
12000801	TPKT11 Insert	TPKT110404R-GN-YG612/TPKT110404R-GN	0.4	0.05 ~ 0.24	YG612
12000802	TPKT11 Insert	TPKT110404R-GN-YG012/TPKT110404R-GN	0.4	0.05 ~ 0.24	YG012
12000803	TPKT11 Insert	TPKT110408R-GN-YG612/TPKT110408R-GN	0.8	0.05 ~ 0.24	YG612
12000804	TPKT11 Insert	TPKT110408R-GN-YG012/TPKT110408R-GN	0.8	0.05 ~ 0.24	YG012
12000805	TPKT11 Insert	TPKT110416R-GN-YG612/TPKT110416R-GN	1.6	0.05 ~ 0.24	YG612
12000806	TPKT11 Insert	TPKT110416R-GN-YG012/TPKT110416R-GN	1.6	0.05 ~ 0.24	YG012
12000807	TPKT11 Insert	TPKT110404R-GN-YG712/TPKT110404R-GN	0.4	0.05 ~ 0.24	YG712
12000808	TPKT11 Insert	TPKT110404R-GN-YG5020/TPKT110404R-GN	0.4	0.05 ~ 0.24	YG5020
12000809	TPKT11 Insert	TPKT110404R-ST-YG612/TPKT110404R-ST	0.4	0.05 ~ 0.15	YG612
12000810	TPKT11 Insert	TPKT110404R-ST-YG613/TPKT110404R-ST	0.4	0.05 ~ 0.15	YG613
12000811	TPKT11 Insert	TPKT110408R-GN-YG712/TPKT110408R-GN	0.8	0.05 ~ 0.24	YG712
12000812	TPKT11 Insert	TPKT110408R-GN-YG5020/TPKT110408R-GN	0.8	0.05 ~ 0.24	YG5020
12000813	TPKT11 Insert	TPKT110408R-ST-YG612/TPKT110408R-ST	0.8	0.05 ~ 0.15	YG612
12000814	TPKT11 Insert	TPKT110408R-ST-YG613/TPKT110408R-ST	0.8	0.05 ~ 0.15	YG613
12000815	TPKT11 Insert	TPKT110416R-GN-YG712/TPKT110416R-GN	1.6	0.05 ~ 0.24	YG712
12000816	TPKT11 Insert	TPKT110416R-GN-YG5020/TPKT110416R-GN	1.6	0.05 ~ 0.24	YG5020
12000894	TPCT11 Insert	TPCT110404R-AL-YG50/TPCT110404R-AL	0.4	0.05 ~ 0.25	YG50
12000895	TPCT11 Insert	TPCT110408R-AL-YG50/TPCT110408R-AL	0.8	0.05 ~ 0.25	YG50
12000930	TPKT11 Insert	TPKT110416R-GN-YG501/TPKT110416R-GN	1.6	0.05 ~ 0.24	YG501
12000929	TPKT11 Insert	TPKT110408R-GN-YG501/TPKT110408R-GN	0.8	0.05 ~ 0.24	YG501
12000928	TPKT11 Insert	TPKT110404R-GN-YG501/TPKT110404R-GN	0.4	0.05 ~ 0.24	YG501
12001212	TPKT11 Insert	TPKT110420R-GN-YG612/TPKT110420R-GN	2	0.05 ~ 0.24	YG612
12001194	TPKT11 Insert	TPKT110408R-GN-YG904/TPKT110408R-GN	0.8	0.05 ~ 0.24	YG904
12001206	TPKT11 Insert	TPKT110412R-GN-YG012/TPKT110412R-GN	1.2	0.05 ~ 0.24	YG012
12001207	TPKT11 Insert	TPKT110412R-GN-YG712/TPKT110412R-GN	1.2	0.05 ~ 0.24	YG712
12001205	TPKT11 Insert	TPKT110412R-GN-YG612/TPKT110412R-GN	1.2	0.05 ~ 0.24	YG612



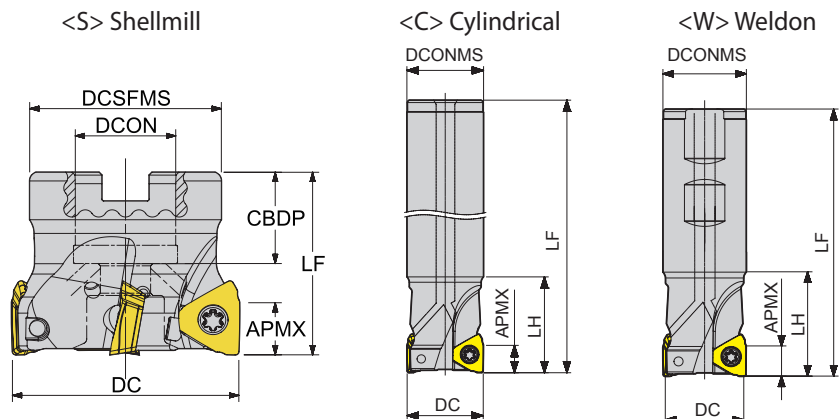
Unit : mm

Material	Product Type	Material Description	RE	Fz	Grade
12001209	TPKT11 Insert	TPKT110412R-GN-YG5020/TPKT110412R-GN	1.2	0.05 ~ 0.24	YG5020
12001208	TPKT11 Insert	TPKT110412R-GN-YG501/TPKT110412R-GN	1.2	0.05 ~ 0.24	YG501
12001213	TPKT11 Insert	TPKT110420R-GN-YG012/TPKT110420R-GN	2	0.05 ~ 0.24	YG012
12001214	TPKT11 Insert	TPKT110420R-GN-YG712/TPKT110420R-GN	2	0.05 ~ 0.24	YG712
12001216	TPKT11 Insert	TPKT110420R-GN-YG5020/TPKT110420R-GN	2	0.05 ~ 0.24	YG5020
12001215	TPKT11 Insert	TPKT110420R-GN-YG501/TPKT110420R-GN	2	0.05 ~ 0.24	YG501
12001210	TPKT11 Insert	TPKT110412R-ST-YG612/TPKT110412R-ST	1.2	0.05 ~ 0.15	YG612
12001211	TPKT11 Insert	TPKT110412R-ST-YG613/TPKT110412R-ST	1.2	0.05 ~ 0.15	YG613

Cutters for TPKT

Entering Angle : 90°

3 Corner Positive



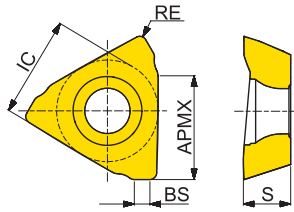
CICT : Number of Inserts
CDBP : Connection Bore Depth

Unit : mm

Material	Product Type	Material Description	DC	CICT	LF	TYPE	DCON	LH	CDBP	DCSFMS	
17000941	TPKT16 Cutter	E90 - TP16 - D32Z2C32 - L150	32	2	150	Cylindrical	32	40	-	-	●
17000942	TPKT16 Cutter	E90 - TP16 - D32Z2C32 - L250	32	2	250		32	80	-	-	●
17000929	TPKT16 Cutter	E90 - TP16 - D33Z2C32 - L200	33	2	200		32	40	-	-	●
17001010	TPKT16 Cutter	E90 - TP16 - D33Z2C32 - L250	33	2	250		32	40	-	-	●
17000945	TPKT16 Cutter	E90 - TP16 - D40Z4C32 - L200	40	4	200		32	40	-	-	●
17000944	TPKT16 Cutter	E90 - TP16 - D40Z3W32 - L110	40	3	110	Weldon	32	40	-	-	●
17000931	TPKT16 Cutter	F90 - TP16 - D50Z4S22	50	4	40	Shellmill	22	-	20	42	●
17001069	TPKT16 Cutter	F90 - TP16 - D50Z5S22	50	5	40		22	-	20	42	●
17000932	TPKT16 Cutter	F90 - TP16 - D63Z5S22	63	5	40		22	-	20	48	●
17000947	TPKT16 Cutter	F90 - TP16 - D63Z6S22	63	6	40		22	-	20	48	●
17000948	TPKT16 Cutter	F90 - TP16 - D80Z6S27	80	6	50		27	-	23	56	●
17000949	TPKT16 Cutter	F90 - TP16 - D80Z7S27	80	7	50		27	-	23	56	●
17000950	TPKT16 Cutter	F90 - TP16 - D100Z8S32	100	8	50		32	-	26	67	●
17000951	TPKT16 Cutter	F90 - TP16 - D125Z10S40	125	10	63		40	-	29	89	●
17000952	TPKT16 Cutter	F90 - TP16 - D125Z12S40	125	12	63		40	-	29	89	●
17001073	TPKT16 Cutter	F90 - TP16 - D140Z10S40	140	10	63		40	-	29	110	●
17000953	TPKT16 Cutter	F90 - TP16 - D160Z11S40	160	11	63		40	-	40	110	X
17000955	TPKT16 Cutter	F90 - TP16 - D200Z11S60	200	11	63		60	-	40	160	X

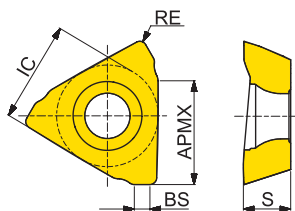
* Clamping Torque (Nm) 5.3Nm

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



Unit : mm

Material	Product Type	Material Description	RE	Fz	Grade
12000718	TPKT16 Insert	TPKT160508R-GN-YG612/TPKT160508R-GN	0.8	0.05 ~ 0.27	YG612
12000758	TPKT16 Insert	TPKT160508R-ST-YG612/TPKT160508R-ST	0.8	0.05 ~ 0.15	YG612
12000759	TPKT16 Insert	TPKT160508R-ST-YG613/TPKT160508R-ST	0.8	0.05 ~ 0.15	YG613
12000779	TPKT16 Insert	TPKT160508R-GN-YG712/TPKT160508R-GN	0.8	0.05 ~ 0.27	YG712
12000780	TPKT16 Insert	TPKT160508R-GN-YG5020/TPKT160508R-GN	0.8	0.05 ~ 0.27	YG5020
12000781	TPKT16 Insert	TPKT160508R-GN-YG012/TPKT160508R-GN	0.8	0.05 ~ 0.27	YG012
12000784	TPKT16 Insert	TPKT160516R-GN-YG612/TPKT160516R-GN	1.6	0.05 ~ 0.27	YG612
12000785	TPKT16 Insert	TPKT160516R-GN-YG012/TPKT160516R-GN	1.6	0.05 ~ 0.27	YG012
12000786	TPKT16 Insert	TPKT160516R-GN-YG712/TPKT160516R-GN	1.6	0.05 ~ 0.27	YG712
12000787	TPKT16 Insert	TPKT160516R-GN-YG5020/TPKT160516R-GN	1.6	0.05 ~ 0.27	YG5020
12000788	TPKT16 Insert	TPKT160524R-GN-YG612/TPKT160524R-GN	2.4	0.05 ~ 0.27	YG612
12000789	TPKT16 Insert	TPKT160524R-GN-YG012/TPKT160524R-GN	2.4	0.05 ~ 0.27	YG012
12000790	TPKT16 Insert	TPKT160524R-GN-YG712/TPKT160524R-GN	2.4	0.05 ~ 0.27	YG712
12000791	TPKT16 Insert	TPKT160524R-GN-YG5020/TPKT160524R-GN	2.4	0.05 ~ 0.27	YG5020
12000888	TPKT16 Insert	TPKT160504R-GN-YG012/TPKT160504R-GN	0.4	0.05 ~ 0.27	YG012
12000896	TPCT16 Insert	TPCT160504R-AL-YG50/TPCT160504R-AL	0.4	0.05 ~ 0.5	YG50
12000897	TPCT16 Insert	TPCT160508R-AL-YG50/TPCT160508R-AL	0.8	0.05 ~ 0.5	YG50
12000890	TPKT16 Insert	TPKT160504R-GN-YG5020/TPKT160504R-GN	0.4	0.05 ~ 0.27	YG5020
12000892	TPKT16 Insert	TPKT160504R-ST-YG613/TPKT160504R-ST	0.4	0.05 ~ 0.15	YG613
12000887	TPKT16 Insert	TPKT160504R-GN-YG612/TPKT160504R-GN	0.4	0.05 ~ 0.27	YG612
12000889	TPKT16 Insert	TPKT160504R-GN-YG712/TPKT160504R-GN	0.4	0.05 ~ 0.27	YG712
12000931	TPKT16 Insert	TPKT160504R-GN-YG501/TPKT160504R-GN	0.4	0.05 ~ 0.27	YG501
12000932	TPKT16 Insert	TPKT160508R-GN-YG501/TPKT160508R-GN	0.8	0.05 ~ 0.27	YG501
12000933	TPKT16 Insert	TPKT160516R-GN-YG501/TPKT160516R-GN	1.6	0.05 ~ 0.27	YG501
12000934	TPKT16 Insert	TPKT160524R-GN-YG501/TPKT160524R-GN	2.4	0.05 ~ 0.27	YG501
12000891	TPKT16 Insert	TPKT160504R-ST-YG612/TPKT160504R-ST	0.4	0.05 ~ 0.15	YG612



Unit : mm

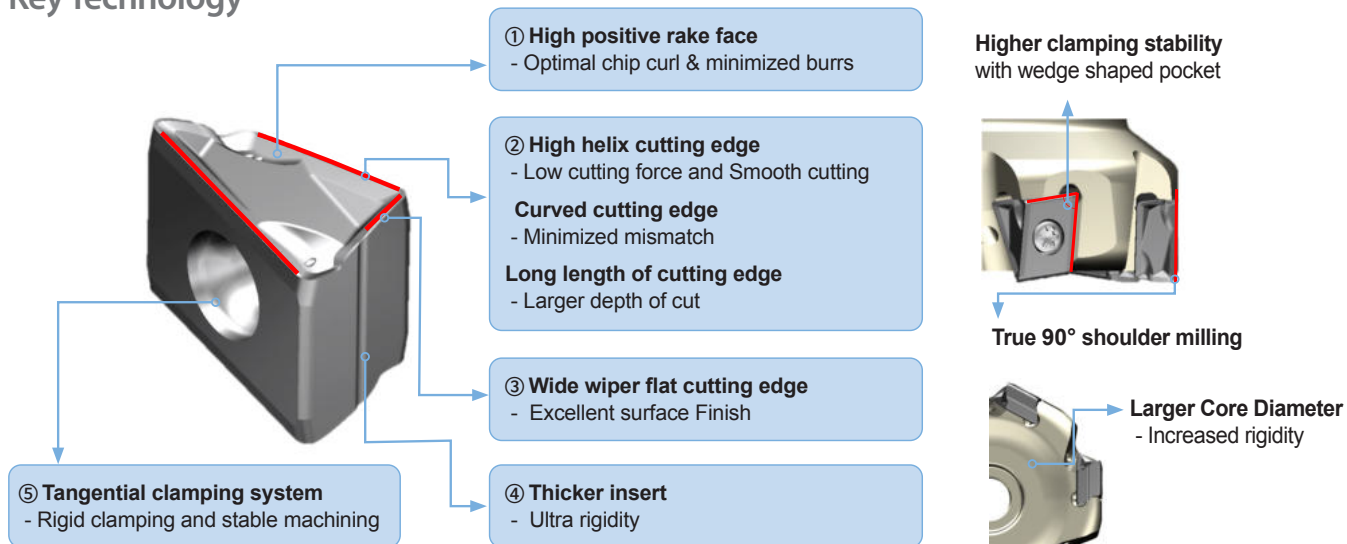
Material	Product Type	Material Description	RE	Fz	Grade
12001195	TPKT16 Insert	TPKT160508R-GN-YG904/TPKT160508R-GN	0.8	0.05 ~ 0.27	YG904
12001218	TPKT16 Insert	TPKT160512R-GN-YG012/TPKT160512R-GN	1.2	0.05 ~ 0.27	YG012
12001219	TPKT16 Insert	TPKT160512R-GN-YG712/TPKT160512R-GN	1.2	0.05 ~ 0.27	YG712
12001217	TPKT16 Insert	TPKT160512R-GN-YG612/TPKT160512R-GN	1.2	0.05 ~ 0.27	YG612
12001221	TPKT16 Insert	TPKT160512R-GN-YG5020/TPKT160512R-GN	1.2	0.05 ~ 0.27	YG5020
12001220	TPKT16 Insert	TPKT160512R-GN-YG501/TPKT160512R-GN	1.2	0.05 ~ 0.27	YG501
12001225	TPKT16 Insert	TPKT160520R-GN-YG012/TPKT160520R-GN	2	0.05 ~ 0.27	YG012
12001226	TPKT16 Insert	TPKT160520R-GN-YG712/TPKT160520R-GN	2	0.05 ~ 0.27	YG712
12001224	TPKT16 Insert	TPKT160520R-GN-YG612/TPKT160520R-GN	2	0.05 ~ 0.27	YG612
12001228	TPKT16 Insert	TPKT160520R-GN-YG5020/TPKT160520R-GN	2	0.05 ~ 0.27	YG5020
12001227	TPKT16 Insert	TPKT160520R-GN-YG501/TPKT160520R-GN	2	0.05 ~ 0.27	YG501
12001222	TPKT16 Insert	TPKT160512R-ST-YG612/TPKT160512R-ST	1.2	0.05 ~ 0.15	YG612
12001223	TPKT16 Insert	TPKT160512R-ST-YG613/TPKT160512R-ST	1.2	0.05 ~ 0.15	YG613

YG PROMOTION

TM4 **NEW**
YG MILL
LNKU

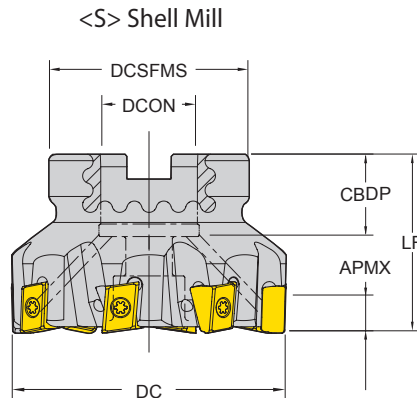
**4 cutting edges High Productivity
Tangential Insert**

Key Technology



Cutters for LNHU, LNKU

Entry Angle : 90°
4 Corner Negative



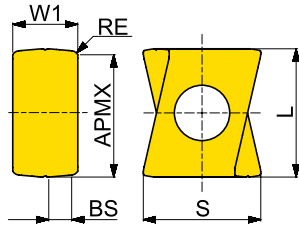
ZEFP : Effective Number of Cutting Edges
CBDP : Connection Bore Depth

Unit :mm

Material	Product Type	Material Description	DC	CICT	LH	LF	TYPE	DCON	CBDP	DCSFMS	
17000787	LNHU13 Cutter	F90 - LNHU13R - D40Z4S16	40	4	-	40	Shellmill	16	18	37	●
17000884	LNHU13 Cutter	F90 - LNHU13R - D40Z5S16	40	5	-	40		16	18	37	●
17000793	LNHU13 Cutter	F90 - LNHU13R - D50Z5S22	50	5	-	40		22	20	42	●
17000794	LNHU13 Cutter	F90 - LNHU13R - D50Z6S22	50	6	-	40		22	20	42	●
17000795	LNHU13 Cutter	F90 - LNHU13R - D63Z6S22	63	6	-	40		22	20	48	●
17000796	LNHU13 Cutter	F90 - LNHU13R - D63Z8S22	63	8	-	40		22	20	48	●
17000910	LNHU13 Cutter	F90 - LNHU13R - D80Z5S27	80	5	-	50		27	23	56	●
17000797	LNHU13 Cutter	F90 - LNHU13R - D80Z7S27	80	7	-	50		27	23	56	●
17000798	LNHU13 Cutter	F90 - LNHU13R - D80Z8S27	80	8	-	50		27	23	56	●
17000885	LNHU13 Cutter	F90 - LNHU13R - D80Z10S27	80	10	-	50		27	23	56	●
17000911	LNHU13 Cutter	F90 - LNHU13R - D100Z6S32	100	6	-	50		32	26	67	●
17000845	LNHU13 Cutter	F90 - LNHU13R - D100Z8S32	100	8	-	50		32	26	67	●
17000886	LNHU13 Cutter	F90 - LNHU13R - D100Z9S32	100	9	-	50		32	26	67	●
17000846	LNHU13 Cutter	F90 - LNHU13R - D100Z13S32	100	13	-	50		32	26	67	●
17000887	LNHU13 Cutter	F90 - LNHU13R - D125Z11S40	125	11	-	63		40	29	89	●
17000888	LNHU13 Cutter	F90 - LNHU13R - D125Z16S40	125	16	-	63		40	29	89	●
17000889	LNHU13 Cutter	F90 - LNHU13R - D160Z13S40	160	13	-	63		40	40	110	X
17000890	LNHU13 Cutter	F90 - LNHU13R - D160Z18S40	160	18	-	63		40	40	110	X

* Clamping Torque (Nm) 3.0Nm

LNHU13	Screw	Wrench	Handle	BIT
Description	TP154012-GS	TPWBTP15	DH-H4	DB-TP15
EDP	18000225	18000217	18000189	18000208



Unit : mm

Material	Product Type	Material Description	RE	Fz	Grade
12000640	LNHU13 Insert	LNHU130608R-YG602/LNHU130608R	0.8	0.05 ~ 0.3	YG602
12000723	LNHU13 Insert	LNHU130608R-YG612/LNHU130608R	0.8	0.05 ~ 0.3	YG612
12000724	LNHU13 Insert	LNHU130608R-YG613/LNHU130608R	0.8	0.05 ~ 0.3	YG613
12000725	LNHU13 Insert	LNHU130608R-YG5020/LNHU130608R	0.8	0.05 ~ 0.3	YG5020
12000740	LNKU13 Insert	LNKU130608R-YG612/LNKU130608R	0.8	0.05 ~ 0.3	YG612
12000741	LNKU13 Insert	LNKU130608R-YG613/LNKU130608R	0.8	0.05 ~ 0.3	YG613
12000742	LNKU13 Insert	LNKU130608R-YG5020/LNKU130608R	0.8	0.05 ~ 0.3	YG5020
12000764	LNKU13 Insert	LNKU130612R-YG612/LNKU130612R	1.2	0.05 ~ 0.3	YG612
12000765	LNKU13 Insert	LNKU130612R-YG613/LNKU130612R	1.2	0.05 ~ 0.3	YG613
12000766	LNKU13 Insert	LNKU130612R-YG5020/LNKU130612R	1.2	0.05 ~ 0.3	YG5020
12000905	LNHU13 Insert	LNHU130608R-YG012/LNHU130608R	0.8	0.05 ~ 0.3	YG012
12000906	LNKU13 Insert	LNKU130608R-YG012/LNKU130608R	0.8	0.05 ~ 0.3	YG012
12000907	LNKU13 Insert	LNKU130612R-YG012/LNKU130612R	1.2	0.05 ~ 0.3	YG012
12000936	LNKU13 Insert	LNKU130612R-YG501/LNKU130612R	1.2	0.05 ~ 0.3	YG501
12000935	LNKU13 Insert	LNKU130608R-YG501/LNKU130608R	0.8	0.05 ~ 0.3	YG501
12000782	LNKU13 Insert	LNKU130616R-YG5020/LNKU130616R	1.6	0.05 ~ 0.3	YG5020
12000919	LNKU13 Insert	LNKU130616R-YG012/LNKU130616R	1.6	0.05 ~ 0.3	YG012
12001052	LNKU13 Insert	LNKU130616R-YG612/LNKU130616R	1.6	0.05 ~ 0.3	YG612

YG PROMOTION

SM6

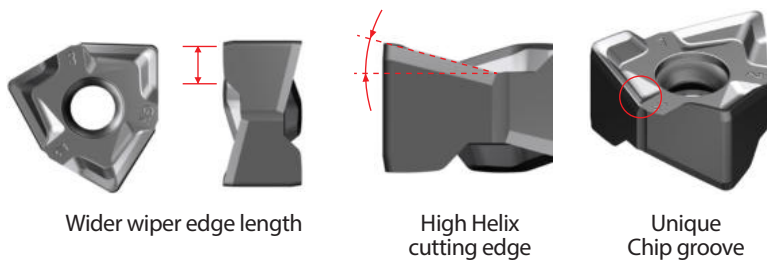
YG MILL WNEX

6 Cutting edges for Shouldering

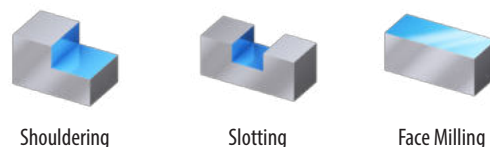
Features

- 6 Cutting edges for Shouldering–High Cost-Efficiency
- High Positive Helical Cutting edge
- High Chipping Resistance with Reinforced cutting edge
- Ground Insert–High Precision Tolerance and Excellent Surface finish
- Diameter range : $\varnothing 32 \sim \varnothing 200$
- A_p (max) : 7mm

Key Technology



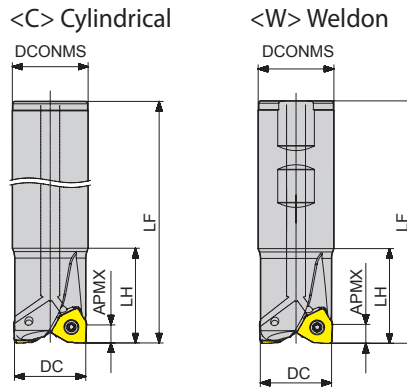
Applications



Cutters for WNEX

Entering Angle : 90°

6 Corner Negative



CICT : Number of Inserts
CBDP : Connection Bore Depth

Unit : mm

Material	Product Type	Material Description	DC	CICT	LF	TYPE	DCON	LH	CBDP	DCSFMS	
17001222	WNEX04 Cutter	E90 - WN04 - D20Z2C20 - L150	20	2	150	Cylindrical	20	40	-	-	●
17001224	WNEX04 Cutter	E90 - WN04 - D20Z3C20 - L150	20	3	150		20	40	-	-	●
17001255	WNEX04 Cutter	E90 - WN04 - D21Z2C20 - L150	21	2	150		20	40	-	-	●
17001226	WNEX04 Cutter	E90 - WN04 - D25Z3C25 - L150	25	3	150		25	40	-	-	●
17001228	WNEX04 Cutter	E90 - WN04 - D25Z4C25 - L150	25	4	150		25	40	-	-	●
17001256	WNEX04 Cutter	E90 - WN04 - D26Z3C25 - L150	26	3	150		25	40	-	-	●
17001230	WNEX04 Cutter	E90 - WN04 - D32Z5C32 - L150	32	5	150		32	40	-	-	●
17001221	WNEX04 Cutter	E90 - WN04 - D20Z2W20 - L110	20	2	110	Weldon	20	40	-	-	●
17001223	WNEX04 Cutter	E90 - WN04 - D20Z3W20 - L110	20	3	110		20	40	-	-	●
17001225	WNEX04 Cutter	E90 - WN04 - D25Z3W25 - L110	25	3	110		25	40	-	-	●
17001227	WNEX04 Cutter	E90 - WN04 - D25Z4W25 - L110	25	4	110		25	40	-	-	●
17001229	WNEX04 Cutter	E90 - WN04 - D32Z5W32 - L110	32	5	110		32	40	-	-	●
17001231	WNEX04 Cutter	E90 - WN04 - D32Z6W32 - L110	32	6	110		32	40	-	-	●

► NEXT PAGE

* Clamping Torque (Nm) 0.7Nm

WNEX0403	Screw	Wrench	Handle	BIT
Description	TP072557-GS	TPWBTP07	DH-H4	DB-TP07
EDP	18000275	18000289	18000189	18000278

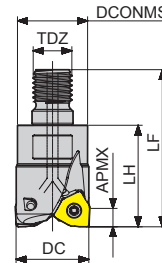
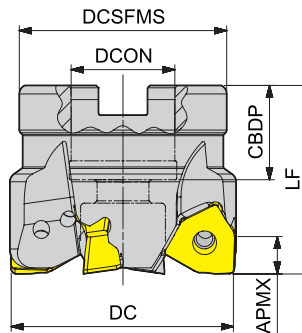
Cutters for WNEX

Entering Angle : 90°

6 Corner Negative

<S> Shellmill

<M> Modular



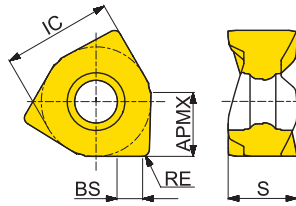
CICT : Number of Inserts
CBDP : Connection Bore Depth

Unit : mm

Material	Product Type	Material Description	DC	CICT	LF	TYPE	DCON	LH	CBDP	DCSFMS	
17001232	WNEX04 Cutter	F90 - WN04 - D40Z5S16	40	5	40	Shellmill	16	-	18	38	●
17001233	WNEX04 Cutter	F90 - WN04 - D40Z6S16	40	6	40		16	-	18	38	●
17001234	WNEX04 Cutter	F90 - WN04 - D40Z7S16	40	7	40		16	-	18	38	●
17001235	WNEX04 Cutter	F90 - WN04 - D50Z7S22	50	7	40		22	-	20	45	●
17001236	WNEX04 Cutter	F90 - WN04 - D50Z8S22	50	8	40		22	-	20	45	●
17001237	WNEX04 Cutter	F90 - WN04 - D50Z9S22	50	9	40		22	-	20	45	●
17001238	WNEX04 Cutter	F90 - WN04 - D63Z8S22	63	8	40		22	-	20	48	●
17001239	WNEX04 Cutter	F90 - WN04 - D63Z10S22	63	10	40		22	-	20	48	●
17001240	WNEX04 Cutter	F90 - WN04 - D63Z11S22	63	11	40		22	-	20	48	●
17001257	WNEX04 Cutter	F90 - WN04 - D42Z7S16	42	7	40		16	-	18	38	●
17001258	WNEX04 Cutter	F90 - WN04 - D52Z9S22	52	9	40		22	-	20	45	●
17001241	WNEX04 Cutter	M90 - WN04 - D20Z2M10	20	2	55	Modular	M10	35	-	18	●
17001242	WNEX04 Cutter	M90 - WN04 - D20Z3M10	20	3	55		M10	35	-	18	●
17001243	WNEX04 Cutter	M90 - WN04 - D25Z3M12	25	3	57		M12	35	-	21	●
17001244	WNEX04 Cutter	M90 - WN04 - D25Z4M12	25	4	57		M12	35	-	21	●
17001245	WNEX04 Cutter	M90 - WN04 - D32Z5M16	32	5	68		M16	43	-	29	●
17001246	WNEX04 Cutter	M90 - WN04 - D32Z6M16	32	6	68		M16	43	-	29	●

* Clamping Torque (Nm) 0.7Nm

WNEX0403	Screw	Wrench	Handle	BIT
Description	TP072557-GS	TPWBTP07	DH-H4	DB-TP07
EDP	18000275	18000289	18000189	18000278



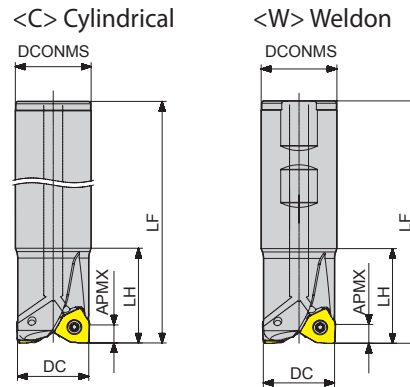
Unit : mm

Material	Product Type	Material Description	RE	Fz	Grade
12001045	WNEX04 Insert	WNEX040312R-GN-YG012/WNEX040312R-GN	1.2	0.05 ~ 0.24	YG012
12001037	WNEX04 Insert	WNEX040308R-GN-YG012/WNEX040308R-GN	0.8	0.05 ~ 0.24	YG012
12001029	WNEX04 Insert	WNEX040304R-GN-YG012/WNEX040304R-GN	0.4	0.05 ~ 0.24	YG012
12001049	WNEX04 Insert	WNEX040312R-GN-YG501/WNEX040312R-GN	1.2	0.05 ~ 0.24	YG501
12001041	WNEX04 Insert	WNEX040308R-GN-YG501/WNEX040308R-GN	0.8	0.05 ~ 0.24	YG501
12001033	WNEX04 Insert	WNEX040304R-GN-YG501/WNEX040304R-GN	0.4	0.05 ~ 0.24	YG501
12001028	WNEX04 Insert	WNEX040304R-GN-YG612/WNEX040304R-GN	0.4	0.05 ~ 0.24	YG612
12001036	WNEX04 Insert	WNEX040308R-GN-YG612/WNEX040308R-GN	0.8	0.05 ~ 0.24	YG612
12001042	WNEX04 Insert	WNEX040308R-ST-YG612/WNEX040308R-ST	0.8	0.05 ~ 0.16	YG612
12001044	WNEX04 Insert	WNEX040312R-GN-YG612/WNEX040312R-GN	1.2	0.05 ~ 0.24	YG612
12001050	WNEX04 Insert	WNEX040312R-ST-YG612/WNEX040312R-ST	1.2	0.05 ~ 0.16	YG612
12001034	WNEX04 Insert	WNEX040304R-ST-YG612/WNEX040304R-ST	0.4	0.05 ~ 0.16	YG612
12001046	WNEX04 Insert	WNEX040312R-GN-YG613/WNEX040312R-GN	1.2	0.05 ~ 0.24	YG613
12001043	WNEX04 Insert	WNEX040308R-ST-YG613/WNEX040308R-ST	0.8	0.05 ~ 0.16	YG613
12001051	WNEX04 Insert	WNEX040312R-ST-YG613/WNEX040312R-ST	1.2	0.05 ~ 0.16	YG613
12001030	WNEX04 Insert	WNEX040304R-GN-YG613/WNEX040304R-GN	0.4	0.05 ~ 0.24	YG613
12001035	WNEX04 Insert	WNEX040304R-ST-YG613/WNEX040304R-ST	0.4	0.05 ~ 0.16	YG613
12001038	WNEX04 Insert	WNEX040308R-GN-YG613/WNEX040308R-GN	0.8	0.05 ~ 0.24	YG613
12001047	WNEX04 Insert	WNEX040312R-GN-YG712/WNEX040312R-GN	1.2	0.05 ~ 0.24	YG712
12001039	WNEX04 Insert	WNEX040308R-GN-YG712/WNEX040308R-GN	0.8	0.05 ~ 0.24	YG712
12001031	WNEX04 Insert	WNEX040304R-GN-YG712/WNEX040304R-GN	0.4	0.05 ~ 0.24	YG712
12001048	WNEX04 Insert	WNEX040312R-GN-YG5020/WNEX040312R-GN	1.2	0.05 ~ 0.24	YG5020
12001040	WNEX04 Insert	WNEX040308R-GN-YG5020/WNEX040308R-GN	0.8	0.05 ~ 0.24	YG5020
12001032	WNEX04 Insert	WNEX040304R-GN-YG5020/WNEX040304R-GN	0.4	0.05 ~ 0.24	YG5020

Cutters for WNEX

Entering Angle : 90°

6 Corner Negative



CICT : Number of Inserts
CBDP : Connection Bore Depth

Unit : mm

Material	Product Type	Material Description	DC	CICT	LF	TYPE	DCON	LH	CBDP	DCSFMS	
17000969	WNEX08 Cutter	E90 - WN08 - D32Z2W32 - L120	32	2	120	Weldon	32	40	-	-	●
17000972	WNEX08 Cutter	E90 - WN08 - D40Z3W32 - L120	40	3	120		32	40	-	-	●
17000973	WNEX08 Cutter	E90 - WN08 - D40Z4W32 - L120	40	4	120		32	40	-	-	●
17000974	WNEX08 Cutter	E90 - WN08 - D50Z4W32 - L120	50	4	120		32	40	-	-	●
17000990	WNEX08 Cutter	E90 - WN08 - D50Z5W32 - L120	50	5	120		32	40	-	-	●
17000991	WNEX08 Cutter	E90 - WN08 - D32Z2C32 - L120	32	2	120	Cylindrical	32	40	-	-	●
17000872	WNEX08 Cutter	E90 - WN08 - D32Z2C32 - L200	32	2	200		32	60	-	-	●
17000873	WNEX08 Cutter	E90 - WN08 - D33Z2C32 - L200	33	2	200		32	40	-	-	●
17000994	WNEX08 Cutter	E90 - WN08 - D40Z3C32 - L120	40	3	120		32	40	-	-	●
17000874	WNEX08 Cutter	E90 - WN08 - D40Z3C32 - L200	40	3	200		32	40	-	-	●
17000996	WNEX08 Cutter	E90 - WN08 - D40Z4C32 - L120	40	4	120		32	40	-	-	●
17000997	WNEX08 Cutter	E90 - WN08 - D50Z4C32 - L120	50	4	120		32	40	-	-	●
17000998	WNEX08 Cutter	E90 - WN08 - D50Z5C32 - L120	50	5	120		32	40	-	-	●

► NEXT PAGE

* Clamping Torque (Nm) 3.0Nm

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

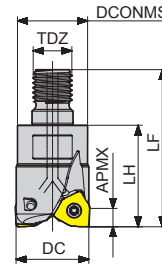
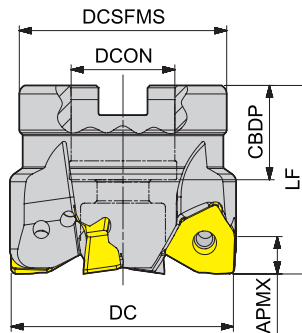
Milling - Shoulder Milling - Cutter

Cutters for WNEX

Entering Angle : 90°
6 Corner Negative

<S> Shellmill

<M> Modular



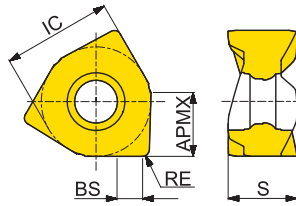
CICT : Number of Inserts
CDBP : Connection Bore Depth

Unit : mm

Material	Product Type	Material Description	DC	CICT	LF	TYPE	DCON	LH	CDBP	DCSFMS	
17000875	WNEX08 Cutter	F90 - WN08 - D50Z4S22	50	4	40	Shellmill	22	-	20	44	●
17000976	WNEX08 Cutter	F90 - WN08 - D50Z5S22	50	5	40		22	-	20	44	●
17000876	WNEX08 Cutter	F90 - WN08 - D63Z5S22	63	5	40		22	-	20	48	●
17000977	WNEX08 Cutter	F90 - WN08 - D63Z6S22	63	6	40		22	-	20	48	●
17000999	WNEX08 Cutter	F90 - WN08 - D80Z4S27	80	4	50		27	-	20	56	●
17001000	WNEX08 Cutter	F90 - WN08 - D80Z6S25.4	80	6	50		25.4	-	26.64	56	●
17000878	WNEX08 Cutter	F90 - WN08 - D80Z7S27	80	7	50		27	-	23	56	●
17000877	WNEX08 Cutter	F90 - WN08 - D80Z7S25.4	80	7	50		25.4	-	26.64	56	●
17000978	WNEX08 Cutter	F90 - WN08 - D80Z9S27	80	9	50		27	-	23	56	●
17001002	WNEX08 Cutter	F90 - WN08 - D100Z8S31.75 - WOC	100	8	50		31.75	-	32	67	X
17000979	WNEX08 Cutter	F90 - WN08 - D100Z9S32	100	9	50		32	-	26	67	●
17000980	WNEX08 Cutter	F90 - WN08 - D100Z11S32	100	11	50		32	-	26	67	●
17001003	WNEX08 Cutter	F90 - WN08 - D125Z10S38.1 - WOC	125	10	63	Modular	38.1	-	38	85	X
17000981	WNEX08 Cutter	F90 - WN08 - D125Z11S40	125	11	63		40	-	29	85	●
17000982	WNEX08 Cutter	F90 - WN08 - D125Z14S40	125	14	63		40	-	29	85	●
17001004	WNEX08 Cutter	M90 - WN08 - D32Z2M16	32	2	65		M16	42	-	29	●
17001005	WNEX08 Cutter	M90 - WN08 - D40Z3M16	40	3	65		M16	42	-	29	●
17000984	WNEX08 Cutter	M90 - WN08 - D40Z4M16	40	4	65		M16	42	-	29	●

* Clamping Torque (Nm) 3.0Nm

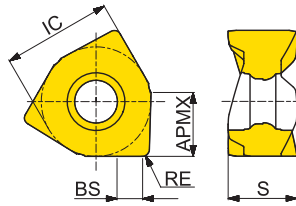
WNEX0806	Screw	Wrench	Handle	BIT
Description	TP154011-GS	TPWBTP15	DH-H4	DB-TP15
EDP	18000251	18000217	18000189	18000208



Unit : mm

Material	Product Type	Material Description	RE	Fz	Grade
12000792	WNEX08 Insert	WNEX080608R-GN-YG712/WNEX080608R-GN	0.8	0.05 ~ 0.26	YG712
12000793	WNEX08 Insert	WNEX080608R-GN-YG613/WNEX080608R-GN	0.8	0.05 ~ 0.26	YG613
12000794	WNEX08 Insert	WNEX080608R-GN-YG5020/WNEX080608R-GN	0.8	0.05 ~ 0.26	YG5020
12000795	WNEX08 Insert	WNEX080608R-GN-YG501/WNEX080608R-GN	0.8	0.05 ~ 0.26	YG501
12000854	WNEX08 Insert	WNEX080608R-GN-YG612/WNEX080608R-GN	0.8	0.05 ~ 0.26	YG612
12000855	WNEX08 Insert	WNEX080604R-GN-YG612/WNEX080604R-GN	0.4	0.05 ~ 0.26	YG612
12000856	WNEX08 Insert	WNEX080604R-GN-YG012/WNEX080604R-GN	0.4	0.05 ~ 0.26	YG012
12000857	WNEX08 Insert	WNEX080604R-GN-YG712/WNEX080604R-GN	0.4	0.05 ~ 0.26	YG712
12000858	WNEX08 Insert	WNEX080604R-GN-YG5020/WNEX080604R-GN	0.4	0.05 ~ 0.26	YG5020
12000859	WNEX08 Insert	WNEX080608R-GN-YG012/WNEX080608R-GN	0.8	0.05 ~ 0.26	YG012
12000860	WNEX08 Insert	WNEX080616R-GN-YG612/WNEX080616R-GN	1.6	0.05 ~ 0.26	YG612
12000861	WNEX08 Insert	WNEX080616R-GN-YG012/WNEX080616R-GN	1.6	0.05 ~ 0.26	YG012
12000862	WNEX08 Insert	WNEX080616R-GN-YG712/WNEX080616R-GN	1.6	0.05 ~ 0.26	YG712
12000863	WNEX08 Insert	WNEX080616R-GN-YG5020/WNEX080616R-GN	1.6	0.05 ~ 0.26	YG5020
12000864	WNEX08 Insert	WNEX080604R-ST-YG612/WNEX080604R-ST	0.4	0.05 ~ 0.19	YG612
12000865	WNEX08 Insert	WNEX080604R-ST-YG613/WNEX080604R-ST	0.4	0.05 ~ 0.19	YG613
12000866	WNEX08 Insert	WNEX080608R-ST-YG612/WNEX080608R-ST	0.8	0.05 ~ 0.19	YG612
12000867	WNEX08 Insert	WNEX080608R-ST-YG613/WNEX080608R-ST	0.8	0.05 ~ 0.19	YG613
12000868	WNEX08 Insert	WNEX080616R-ST-YG612/WNEX080616R-ST	1.6	0.05 ~ 0.19	YG612
12000869	WNEX08 Insert	WNEX080616R-ST-YG613/WNEX080616R-ST	1.6	0.05 ~ 0.19	YG613
12000875	WNEX08 Insert	WNEX080612R-ST-YG612/WNEX080612R-ST	1.2	0.05 ~ 0.19	YG612
12000876	WNEX08 Insert	WNEX080612R-ST-YG613/WNEX080612R-ST	1.2	0.05 ~ 0.19	YG613

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Unit : mm

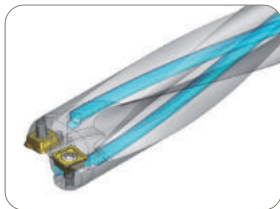
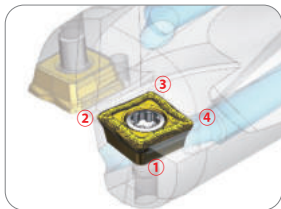
Material	Product Type	Material Description	RE	Fz	Grade
12000877	WNEX08 Insert	WNEX080612R-GN-YG012/WNEX080612R-GN	1.2	0.05 ~ 0.26	YG012
12000878	WNEX08 Insert	WNEX080612R-GN-YG712/WNEX080612R-GN	1.2	0.05 ~ 0.26	YG712
12000879	WNEX08 Insert	WNEX080612R-GN-YG5020/WNEX080612R-GN	1.2	0.05 ~ 0.26	YG5020
12000880	WNEX08 Insert	WNEX080620R-ST-YG612/WNEX080620R-ST	2	0.05 ~ 0.19	YG612
12000881	WNEX08 Insert	WNEX080620R-ST-YG613/WNEX080620R-ST	2	0.05 ~ 0.19	YG613
12000882	WNEX08 Insert	WNEX080620R-GN-YG012/WNEX080620R-GN	2	0.05 ~ 0.26	YG012
12000883	WNEX08 Insert	WNEX080620R-GN-YG712/WNEX080620R-GN	2	0.05 ~ 0.26	YG712
12000884	WNEX08 Insert	WNEX080620R-GN-YG5020/WNEX080620R-GN	2	0.05 ~ 0.26	YG5020
12000885	WNEX08 Insert	WNEX080612R-GN-YG612/WNEX080612R-GN	1.2	0.05 ~ 0.26	YG612
12000886	WNEX08 Insert	WNEX080620R-GN-YG612/WNEX080620R-GN	2	0.05 ~ 0.26	YG612
12000924	WNEX08 Insert	WNEX080604R-GN-YG501/WNEX080604R-GN	0.4	0.05 ~ 0.26	YG501
12000925	WNEX08 Insert	WNEX080612R-GN-YG501/WNEX080612R-GN	1.2	0.05 ~ 0.26	YG501
12000926	WNEX08 Insert	WNEX080616R-GN-YG501/WNEX080616R-GN	1.6	0.05 ~ 0.26	YG501
12000927	WNEX08 Insert	WNEX080620R-GN-YG501/WNEX080620R-GN	2	0.05 ~ 0.26	YG501
12001025	WNEX08 Insert	WNEX080604R-AL-YG50/WNEX080604R-AL	0.4	0.05 ~ 0.4	YG50
12001026	WNEX08 Insert	WNEX080608R-AL-YG50/WNEX080608R-AL	0.8	0.05 ~ 0.4	YG50

YG **X-DRILL** **SYMXX**

with highly efficient hole making solution

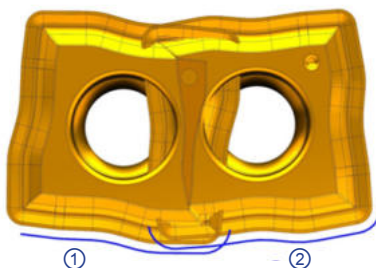
Features

- Economic square type 4 cutting edge insert
- One kind of insert in outer and inner pocket
- Twisted coolant channel and enlarged chip gullet for better chip evacuation
- Highly durable drill body due to high hardness and optimized material
- New post surface Treatment flute enables to improved chip evacuation in deeper machining

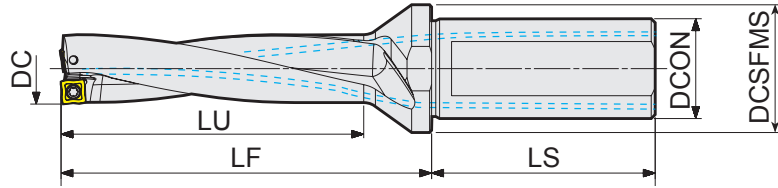


Key Technology

- Unique 1 chip curl per each flute
- True 4 cutting edges are available



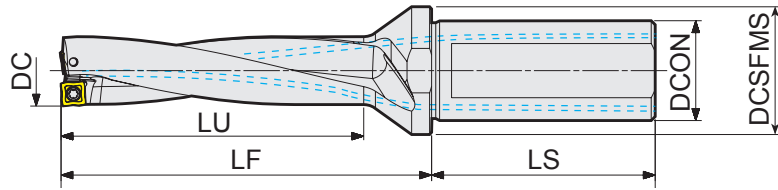
X-Drill Holder (SYMXX05) (DC 14~16.5)



Unit : mm

Material	Product Type	Material Description	DC	L/D	DCON	DF	OAL	LU	LF	LS
37001019	SYMXX05 Holder	YGSY2-140S20-05	14	2	20	25	96	28	46	50
37001134	SYMXX05 Holder	YGSY2-145S20-05	14.5	2	20	25	99	30	49	50
37001020	SYMXX05 Holder	YGSY2-150S20-05	15	2	20	25	99	30	49	50
37001135	SYMXX05 Holder	YGSY2-155S20-05	15.5	2	20	25	102	32	52	50
37001021	SYMXX05 Holder	YGSY2-160S20-05	16	2	20	25	102	32	52	50
37001136	SYMXX05 Holder	YGSY2-165S20-05	16.5	2	20	25	104	34	54	50
37001031	SYMXX05 Holder	YGSY3-140S20-05	14	3	20	25	110	42	60	50
37001149	SYMXX05 Holder	YGSY3-145S20-05	14.5	3	20	25	114	45	64	50
37001032	SYMXX05 Holder	YGSY3-150S20-05	15	3	20	25	114	45	64	50
37001150	SYMXX05 Holder	YGSY3-155S20-05	15.5	3	20	25	118	48	68	50
37001033	SYMXX05 Holder	YGSY3-160S20-05	16	3	20	25	118	48	68	50
37001151	SYMXX05 Holder	YGSY3-165S20-05	16.5	3	20	25	121	51	71	50
37001043	SYMXX05 Holder	YGSY4-140S20-05	14	4	20	25	124	56	74	50
37001164	SYMXX05 Holder	YGSY4-145S20-05	14.5	4	20	25	129	60	79	50
37001044	SYMXX05 Holder	YGSY4-150S20-05	15	4	20	25	129	60	79	50
37001165	SYMXX05 Holder	YGSY4-155S20-05	15.5	4	20	25	134	64	84	50
37001045	SYMXX05 Holder	YGSY4-160S20-05	16	4	20	25	134	64	84	50
37001166	SYMXX05 Holder	YGSY4-165S20-05	16.5	4	20	25	138	68	88	50
37001055	SYMXX05 Holder	YGSY5-140S20-05	14	5	20	25	138	70	88	50
37001179	SYMXX05 Holder	YGSY5-145S20-05	14.5	5	20	25	144	75	94	50
37001056	SYMXX05 Holder	YGSY5-150S20-05	15	5	20	25	144	75	94	50
37001180	SYMXX05 Holder	YGSY5-155S20-05	15.5	5	20	25	150	80	100	50
37001057	SYMXX05 Holder	YGSY5-160S20-05	16	5	20	25	150	80	100	50
37001181	SYMXX05 Holder	YGSY5-165S20-05	16.5	5	20	25	155	85	105	50

X-Drill Holder (SYM06) (DC 17~20.5)

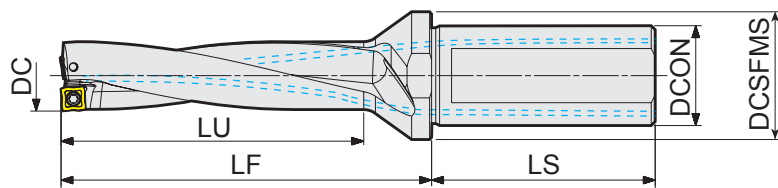


Unit : mm

Material	Product Type	Material Description	DC	L/D	DCON	DF	OAL	LU	LF	LS
37000851	SYM06 Holder	YGSY2-170S25-06	17	2	25	32	110	34	54	56
37001137	SYM06 Holder	YGSY2-175S25-06	17.5	2	25	32	113	36	57	56
37000852	SYM06 Holder	YGSY2-180S25-06	18	2	25	32	113	36	57	56
37001138	SYM06 Holder	YGSY2-185S25-06	18.5	2	25	32	115	38	59	56
37000853	SYM06 Holder	YGSY2-190S25-06	19	2	25	32	115	38	59	56
37001139	SYM06 Holder	YGSY2-195S25-06	19.5	2	25	32	119	40	63	56
37000854	SYM06 Holder	YGSY2-200S25-06	20	2	25	32	119	40	63	56
37001140	SYM06 Holder	YGSY2-205S25-06	20.5	2	25	32	121	42	65	56
37000855	SYM06 Holder	YGSY3-170S25-06	17	3	25	32	127	51	71	56
37001152	SYM06 Holder	YGSY3-175S25-06	17.5	3	25	32	131	54	75	56
37000856	SYM06 Holder	YGSY3-180S25-06	18	3	25	32	131	54	75	56
37001153	SYM06 Holder	YGSY3-185S25-06	18.5	3	25	32	134	57	78	56
37000857	SYM06 Holder	YGSY3-190S25-06	19	3	25	32	134	57	78	56
37001154	SYM06 Holder	YGSY3-195S25-06	19.5	3	25	32	139	60	83	56
37000858	SYM06 Holder	YGSY3-200S25-06	20	3	25	32	139	60	83	56
37001155	SYM06 Holder	YGSY3-205S25-06	20.5	3	25	32	142	63	86	56
37000859	SYM06 Holder	YGSY4-170S25-06	17	4	25	32	144	68	88	56
37001167	SYM06 Holder	YGSY4-175S25-06	17.5	4	25	32	149	72	93	56
37000860	SYM06 Holder	YGSY4-180S25-06	18	4	25	32	149	72	93	56
37001168	SYM06 Holder	YGSY4-185S25-06	18.5	4	25	32	153	76	97	56
37000861	SYM06 Holder	YGSY4-190S25-06	19	4	25	32	153	76	97	56
37001169	SYM06 Holder	YGSY4-195S25-06	19.5	4	25	32	159	80	103	56
37000862	SYM06 Holder	YGSY4-200S25-06	20	4	25	32	159	80	103	56
37001170	SYM06 Holder	YGSY4-205S25-06	20.5	4	25	32	163	84	107	56

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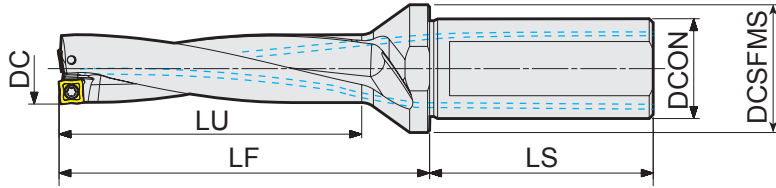
X-Drill Holder (SYM06) (DC 17~20.5)



Unit : mm

Material	Product Type	Material Description	DC	L/D	DCON	DF	OAL	LU	LF	LS
37000863	SYM06 Holder	YGSY5-170S25-06	17	5	25	32	161	85	105	56
37001182	SYM06 Holder	YGSY5-175S25-06	17.5	5	25	32	167	90	111	56
37000864	SYM06 Holder	YGSY5-180S25-06	18	5	25	32	167	90	111	56
37001183	SYM06 Holder	YGSY5-185S25-06	18.5	5	25	32	172	95	116	56
37000865	SYM06 Holder	YGSY5-190S25-06	19	5	25	32	172	95	116	56
37001184	SYM06 Holder	YGSY5-195S25-06	19.5	5	25	32	179	100	123	56
37000866	SYM06 Holder	YGSY5-200S25-06	20	5	25	32	179	100	123	56
37001185	SYM06 Holder	YGSY5-205S25-06	20.5	5	25	32	184	105	128	56

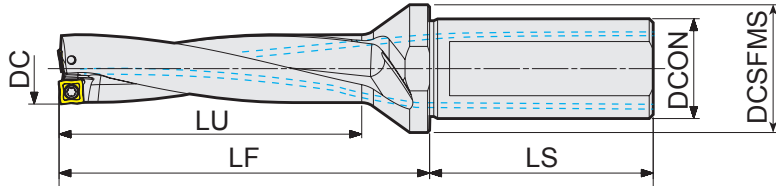
X-Drill Holder (SYMXX07) (DC 21~23.5)



Unit : mm

Material	Product Type	Material Description	DC	L/D	DCON	DF	OAL	LU	LF	LS
37001022	SYMXX07 Holder	YGSY2-210S25-07	21	2	25	32	121	42	65	56
37001141	SYMXX07 Holder	YGSY2-215S25-07	21.5	2	25	32	123	44	67	56
37001023	SYMXX07 Holder	YGSY2-220S25-07	22	2	25	32	123	44	67	56
37001142	SYMXX07 Holder	YGSY2-225S25-07	22.5	2	25	32	124	46	68	56
37001024	SYMXX07 Holder	YGSY2-230S25-07	23	2	25	32	124	46	68	56
37001143	SYMXX07 Holder	YGSY2-235S25-07	23.5	2	25	32	126	48	70	56
37001034	SYMXX07 Holder	YGSY3-210S25-07	21	3	25	32	142	63	86	56
37001156	SYMXX07 Holder	YGSY3-215S25-07	21.5	3	25	32	145	66	89	56
37001035	SYMXX07 Holder	YGSY3-220S25-07	22	3	25	32	145	66	89	56
37001157	SYMXX07 Holder	YGSY3-225S25-07	22.5	3	25	32	147	69	91	56
37001036	SYMXX07 Holder	YGSY3-230S25-07	23	3	25	32	147	69	91	56
37001158	SYMXX07 Holder	YGSY3-235S25-07	23.5	3	25	32	150	72	94	56
37001046	SYMXX07 Holder	YGSY4-210S25-07	21	4	25	32	163	84	107	56
37001171	SYMXX07 Holder	YGSY4-215S25-07	21.5	4	25	32	167	88	111	56
37001047	SYMXX07 Holder	YGSY4-220S25-07	22	4	25	32	167	88	111	56
37001172	SYMXX07 Holder	YGSY4-225S25-07	22.5	4	25	32	170	92	114	56
37001048	SYMXX07 Holder	YGSY4-230S25-07	23	4	25	32	170	92	114	56
37001173	SYMXX07 Holder	YGSY4-235S25-07	23.5	4	25	32	174	96	118	56
37001058	SYMXX07 Holder	YGSY5-210S25-07	21	5	25	32	184	105	128	56
37001186	SYMXX07 Holder	YGSY5-215S25-07	21.5	5	25	32	189	110	133	56
37001059	SYMXX07 Holder	YGSY5-220S25-07	22	5	25	32	189	110	133	56
37001187	SYMXX07 Holder	YGSY5-225S25-07	22.5	5	25	32	193	115	137	56
37001060	SYMXX07 Holder	YGSY5-230S25-07	23	5	25	32	193	115	137	56
37001188	SYMXX07 Holder	YGSY5-235S25-07	23.5	5	25	32	198	120	142	56

X-Drill Holder (SYMXX08) (DC 24~28.5)

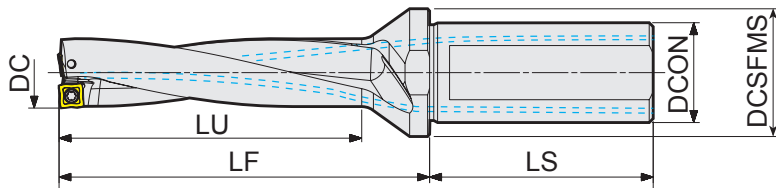


Unit : mm

Material	Product Type	Material Description	DC	L/D	DCON	DF	OAL	LU	LF	LS
37001025	SYMXX08 Holder	YGSY2-240S32-08	24	2	32	40	130	48	70	60
37001144	SYMXX08 Holder	YGSY2-245S32-08	24.5	2	32	40	132	50	72	60
37001026	SYMXX08 Holder	YGSY2-250S32-08	25	2	32	40	132	50	72	60
37001145	SYMXX08 Holder	YGSY2-255S32-08	25.5	2	32	40	133	52	73	60
37001027	SYMXX08 Holder	YGSY2-260S32-08	26	2	32	40	133	52	73	60
37001146	SYMXX08 Holder	YGSY2-265S32-08	26.5	2	32	40	137	54	77	60
37001028	SYMXX08 Holder	YGSY2-270S32-08	27	2	32	40	137	54	77	60
37001147	SYMXX08 Holder	YGSY2-275S32-08	27.5	2	32	40	139	56	79	60
37001029	SYMXX08 Holder	YGSY2-280S32-08	28	2	32	40	139	56	79	60
37001148	SYMXX08 Holder	YGSY2-285S32-08	28.5	2	32	40	141	58	81	60
37001037	SYMXX08 Holder	YGSY3-240S32-08	24	3	32	40	154	72	94	60
37001159	SYMXX08 Holder	YGSY3-245S32-08	24.5	3	32	40	157	75	97	60
37001038	SYMXX08 Holder	YGSY3-250S32-08	25	3	32	40	157	75	97	60
37001160	SYMXX08 Holder	YGSY3-255S32-08	25.5	3	32	40	159	78	99	60
37001039	SYMXX08 Holder	YGSY3-260S32-08	26	3	32	40	159	78	99	60
37001161	SYMXX08 Holder	YGSY3-265S32-08	26.5	3	32	40	164	81	104	60
37001040	SYMXX08 Holder	YGSY3-270S32-08	27	3	32	40	164	81	104	60
37001162	SYMXX08 Holder	YGSY3-275S32-08	27.5	3	32	40	167	84	107	60
37001041	SYMXX08 Holder	YGSY3-280S32-08	28	3	32	40	167	84	107	60
37001163	SYMXX08 Holder	YGSY3-285S32-08	28.5	3	32	40	170	87	110	60
37001049	SYMXX08 Holder	YGSY4-240S32-08	24	4	32	40	178	96	118	60
37001174	SYMXX08 Holder	YGSY4-245S32-08	24.5	4	32	40	182	100	122	60
37001050	SYMXX08 Holder	YGSY4-250S32-08	25	4	32	40	182	100	122	60
37001175	SYMXX08 Holder	YGSY4-255S32-08	25.5	4	32	40	185	104	125	60

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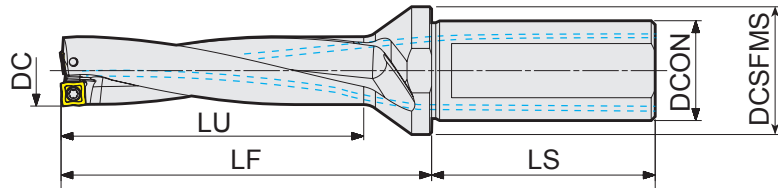
X-Drill Holder (SYM08) (DC 24~28.5)



Unit : mm

Material	Product Type	Material Description	DC	L/D	DCON	DF	OAL	LU	LF	LS
37001051	SYM08 Holder	YGSY4-260S32-08	26	4	32	40	185	104	125	60
37001176	SYM08 Holder	YGSY4-265S32-08	26.5	4	32	40	191	108	131	60
37001052	SYM08 Holder	YGSY4-270S32-08	27	4	32	40	191	108	131	60
37001177	SYM08 Holder	YGSY4-275S32-08	27.5	4	32	40	195	112	135	60
37001053	SYM08 Holder	YGSY4-280S32-08	28	4	32	40	195	112	135	60
37001178	SYM08 Holder	YGSY4-285S32-08	28.5	4	32	40	199	116	139	60
37001061	SYM08 Holder	YGSY5-240S32-08	24	5	32	40	202	120	142	60
37001189	SYM08 Holder	YGSY5-245S32-08	24.5	5	32	40	207	125	147	60
37001062	SYM08 Holder	YGSY5-250S32-08	25	5	32	40	207	125	147	60
37001190	SYM08 Holder	YGSY5-255S32-08	25.5	5	32	40	211	130	151	60
37001063	SYM08 Holder	YGSY5-260S32-08	26	5	32	40	211	130	151	60
37001191	SYM08 Holder	YGSY5-265S32-08	26.5	5	32	40	218	135	158	60
37001064	SYM08 Holder	YGSY5-270S32-08	27	5	32	40	218	135	158	60
37001192	SYM08 Holder	YGSY5-275S32-08	27.5	5	32	40	223	140	163	60
37001065	SYM08 Holder	YGSY5-280S32-08	28	5	32	40	223	140	163	60
37001193	SYM08 Holder	YGSY5-285S32-08	28.5	5	32	40	228	145	168	60

X-Drill Holder (SYMXX10) (DC 29~33.5)

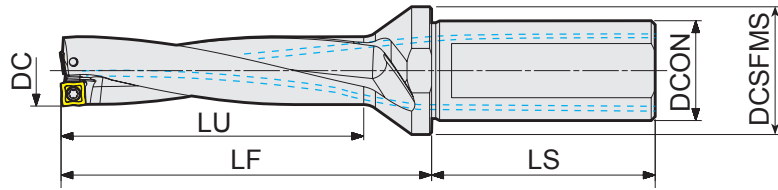


Unit : mm

Material	Product Type	Material Description	DC	L/D	DCON	DF	OAL	LU	LF	LS
37001212	SYMXX10 Holder	YGSY2-290S32-10	29	2	32	40	142	58	82	60
37001213	SYMXX10 Holder	YGSY2-295S32-10	29.5	2	32	40	144	60	84	60
37001214	SYMXX10 Holder	YGSY2-300S32-10	30	2	32	40	144	60	84	60
37001215	SYMXX10 Holder	YGSY2-305S32-10	30.5	2	32	40	146	62	86	60
37001216	SYMXX10 Holder	YGSY2-310S32-10	31	2	32	40	146	62	86	60
37001217	SYMXX10 Holder	YGSY2-315S32-10	31.5	2	32	40	148	64	88	60
37001218	SYMXX10 Holder	YGSY2-320S32-10	32	2	32	40	148	64	88	60
37001219	SYMXX10 Holder	YGSY2-325S32-10	32.5	2	32	40	149	66	89	60
37001220	SYMXX10 Holder	YGSY2-330S32-10	33	2	32	40	149	66	89	60
37001221	SYMXX10 Holder	YGSY2-335S32-10	33.5	2	32	40	150	68	90	60
37001222	SYMXX10 Holder	YGSY3-290S32-10	29	3	32	40	171	87	111	60
37001223	SYMXX10 Holder	YGSY3-295S32-10	29.5	3	32	40	174	90	114	60
37001224	SYMXX10 Holder	YGSY3-300S32-10	30	3	32	40	174	90	114	60
37001225	SYMXX10 Holder	YGSY3-305S32-10	30.5	3	32	40	177	93	117	60
37001226	SYMXX10 Holder	YGSY3-310S32-10	31	3	32	40	177	93	117	60
37001227	SYMXX10 Holder	YGSY3-315S32-10	31.5	3	32	40	180	96	120	60
37001228	SYMXX10 Holder	YGSY3-320S32-10	32	3	32	40	180	96	120	60
37001229	SYMXX10 Holder	YGSY3-325S32-10	32.5	3	32	40	182	99	122	60
37001230	SYMXX10 Holder	YGSY3-330S32-10	33	3	32	40	182	99	122	60
37001231	SYMXX10 Holder	YGSY3-335S32-10	33.5	3	32	40	184	102	124	60
37001232	SYMXX10 Holder	YGSY4-290S32-10	29	4	32	40	200	116	140	60
37001233	SYMXX10 Holder	YGSY4-295S32-10	29.5	4	32	40	204	120	144	60
37001234	SYMXX10 Holder	YGSY4-300S32-10	30	4	32	40	204	120	144	60
37001235	SYMXX10 Holder	YGSY4-305S32-10	30.5	4	32	40	208	124	148	60

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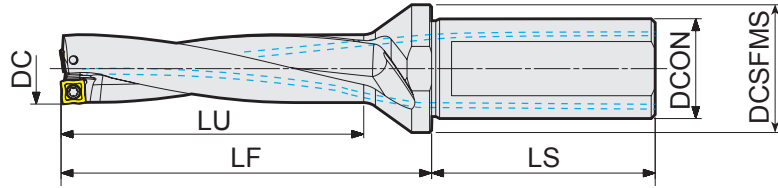
X-Drill Holder (SYMXX10) (DC 29~33.5)



Unit : mm

Material	Product Type	Material Description	DC	L/D	DCON	DF	OAL	LU	LF	LS
37001236	SYMXX10 Holder	YGSY4-310S32-10	31	4	32	40	208	124	148	60
37001237	SYMXX10 Holder	YGSY4-315S32-10	31.5	4	32	40	212	128	152	60
37001238	SYMXX10 Holder	YGSY4-320S32-10	32	4	32	40	212	128	152	60
37001239	SYMXX10 Holder	YGSY4-325S32-10	32.5	4	32	40	215	132	155	60
37001240	SYMXX10 Holder	YGSY4-330S32-10	33	4	32	40	215	132	155	60
37001241	SYMXX10 Holder	YGSY4-335S32-10	33.5	4	32	40	218	136	158	60
37001242	SYMXX10 Holder	YGSY5-290S32-10	29	5	32	40	229	145	169	60
37001243	SYMXX10 Holder	YGSY5-295S32-10	29.5	5	32	40	234	150	174	60
37001244	SYMXX10 Holder	YGSY5-300S32-10	30	5	32	40	234	150	174	60
37001245	SYMXX10 Holder	YGSY5-305S32-10	30.5	5	32	40	239	155	179	60
37001246	SYMXX10 Holder	YGSY5-310S32-10	31	5	32	40	239	155	179	60
37001247	SYMXX10 Holder	YGSY5-315S32-10	31.5	5	32	40	244	160	184	60
37001248	SYMXX10 Holder	YGSY5-320S32-10	32	5	32	40	244	160	184	60
37001249	SYMXX10 Holder	YGSY5-325S32-10	32.5	5	32	40	248	165	188	60
37001250	SYMXX10 Holder	YGSY5-330S32-10	33	5	32	40	248	165	188	60
37001251	SYMXX10 Holder	YGSY5-335S32-10	33.5	5	32	40	252	170	192	60

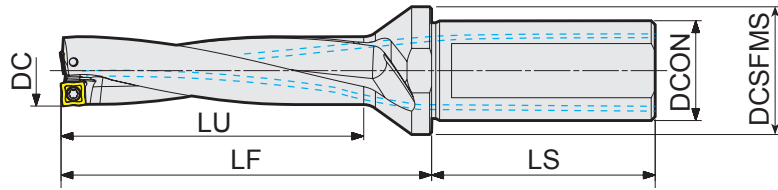
X-Drill Holder (SYMXX11) (DC 34~38)



Unit : mm

Material	Product Type	Material Description	DC	L/D	DCON	DF	OAL	LU	LF	LS
37001252	SYMXX11 Holder	YGSY2-340S40-11	34	2	40	50	164	68	94	70
37001253	SYMXX11 Holder	YGSY2-350S40-11	35	2	40	50	166	70	96	70
37001254	SYMXX11 Holder	YGSY2-360S40-11	36	2	40	50	168	72	98	70
37001255	SYMXX11 Holder	YGSY2-370S40-11	37	2	40	50	169	74	99	70
37001256	SYMXX11 Holder	YGSY2-380S40-11	38	2	40	50	171	76	101	70
37001257	SYMXX11 Holder	YGSY3-340S40-11	34	3	40	50	198	102	128	70
37001258	SYMXX11 Holder	YGSY3-350S40-11	35	3	40	50	201	105	131	70
37001259	SYMXX11 Holder	YGSY3-360S40-11	36	3	40	50	204	108	134	70
37001260	SYMXX11 Holder	YGSY3-370S40-11	37	3	40	50	206	111	136	70
37001261	SYMXX11 Holder	YGSY3-380S40-11	38	3	40	50	209	114	139	70
37001262	SYMXX11 Holder	YGSY4-340S40-11	34	4	40	50	232	136	162	70
37001263	SYMXX11 Holder	YGSY4-350S40-11	35	4	40	50	236	140	166	70
37001264	SYMXX11 Holder	YGSY4-360S40-11	36	4	40	50	240	144	170	70
37001265	SYMXX11 Holder	YGSY4-370S40-11	37	4	40	50	243	148	173	70
37001266	SYMXX11 Holder	YGSY4-380S40-11	38	4	40	50	247	152	177	70
37001267	SYMXX11 Holder	YGSY5-340S40-11	34	5	40	50	266	170	196	70
37001268	SYMXX11 Holder	YGSY5-350S40-11	35	5	40	50	271	175	201	70
37001269	SYMXX11 Holder	YGSY5-360S40-11	36	5	40	50	276	180	206	70
37001270	SYMXX11 Holder	YGSY5-370S40-11	37	5	40	50	280	185	210	70
37001271	SYMXX11 Holder	YGSY5-380S40-11	38	5	40	50	285	190	215	70

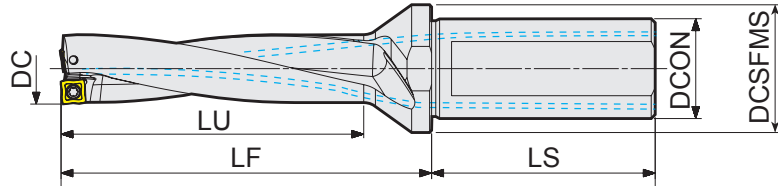
X-Drill Holder (SYM13) (DC 39~44)



Unit : mm

Material	Product Type	Material Description	DC	L/D	DCON	DF	OAL	LU	LF	LS
37001326	SYM13 Holder	YGSY2-390S40-13	39	2	40	50	174	78	104	70
37001327	SYM13 Holder	YGSY2-400S40-13	40	2	40	50	176	80	106	70
37001328	SYM13 Holder	YGSY2-410S40-13	41	2	40	50	178	82	108	70
37001329	SYM13 Holder	YGSY2-420S40-13	42	2	40	50	180	84	110	70
37001330	SYM13 Holder	YGSY2-430S40-13	43	2	40	50	182	86	112	70
37001331	SYM13 Holder	YGSY2-440S40-13	44	2	40	50	184	88	114	70
37001332	SYM13 Holder	YGSY3-390S40-13	39	3	40	50	213	117	143	70
37001333	SYM13 Holder	YGSY3-400S40-13	40	3	40	50	216	120	146	70
37001334	SYM13 Holder	YGSY3-410S40-13	41	3	40	50	219	123	149	70
37001335	SYM13 Holder	YGSY3-420S40-13	42	3	40	50	222	126	152	70
37001336	SYM13 Holder	YGSY3-430S40-13	43	3	40	50	225	129	155	70
37001337	SYM13 Holder	YGSY3-440S40-13	44	3	40	50	228	132	158	70
37001338	SYM13 Holder	YGSY4-390S40-13	39	4	40	50	252	156	182	70
37001339	SYM13 Holder	YGSY4-400S40-13	40	4	40	50	256	160	186	70
37001340	SYM13 Holder	YGSY4-410S40-13	41	4	40	50	260	164	190	70
37001341	SYM13 Holder	YGSY4-420S40-13	42	4	40	50	264	168	194	70
37001342	SYM13 Holder	YGSY4-430S40-13	43	4	40	50	268	172	198	70
37001343	SYM13 Holder	YGSY4-440S40-13	44	4	40	50	272	176	202	70
37001344	SYM13 Holder	YGSY5-390S40-13	39	5	40	50	291	195	221	70
37001345	SYM13 Holder	YGSY5-400S40-13	40	5	40	50	296	200	226	70
37001346	SYM13 Holder	YGSY5-410S40-13	41	5	40	50	301	205	231	70
37001347	SYM13 Holder	YGSY5-420S40-13	42	5	40	50	306	210	236	70
37001348	SYM13 Holder	YGSY5-430S40-13	43	5	40	50	311	215	241	70
37001349	SYM13 Holder	YGSY5-440S40-13	44	5	40	50	316	220	246	70

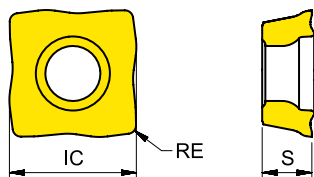
X-Drill Holder (SYMXX15) (DC 45~50)



Unit : mm

Material	Product Type	Material Description	DC	L/D	DCON	DF	OAL	LU	LF	LS
37001350	SYMXX15 Holder	YGSY2-450S40-15	45	2	40	60	195	90	125	70
37001351	SYMXX15 Holder	YGSY2-460S40-15	46	2	40	60	197	92	127	70
37001352	SYMXX15 Holder	YGSY2-470S40-15	47	2	40	60	199	94	129	70
37001353	SYMXX15 Holder	YGSY2-480S40-15	48	2	40	60	201	96	131	70
37001354	SYMXX15 Holder	YGSY2-490S40-15	49	2	40	60	203	98	133	70
37001355	SYMXX15 Holder	YGSY2-500S40-15	50	2	40	60	205	100	135	70
37001356	SYMXX15 Holder	YGSY3-450S40-15	45	3	40	60	240	135	170	70
37001357	SYMXX15 Holder	YGSY3-460S40-15	46	3	40	60	243	138	173	70
37001358	SYMXX15 Holder	YGSY3-470S40-15	47	3	40	60	246	141	176	70
37001359	SYMXX15 Holder	YGSY3-480S40-15	48	3	40	60	249	144	179	70
37001360	SYMXX15 Holder	YGSY3-490S40-15	49	3	40	60	252	147	182	70
37001361	SYMXX15 Holder	YGSY3-500S40-15	50	3	40	60	255	150	185	70
37001362	SYMXX15 Holder	YGSY4-450S40-15	45	4	40	60	285	180	215	70
37001363	SYMXX15 Holder	YGSY4-460S40-15	46	4	40	60	289	184	219	70
37001364	SYMXX15 Holder	YGSY4-470S40-15	47	4	40	60	293	188	223	70
37001365	SYMXX15 Holder	YGSY4-480S40-15	48	4	40	60	297	192	227	70
37001366	SYMXX15 Holder	YGSY4-490S40-15	49	4	40	60	301	196	231	70
37001367	SYMXX15 Holder	YGSY4-500S40-15	50	4	40	60	305	200	235	70
37001368	SYMXX15 Holder	YGSY5-450S40-15	45	5	40	60	330	225	260	70
37001369	SYMXX15 Holder	YGSY5-460S40-15	46	5	40	60	335	230	265	70
37001370	SYMXX15 Holder	YGSY5-470S40-15	47	5	40	60	340	235	270	70
37001371	SYMXX15 Holder	YGSY5-480S40-15	48	5	40	60	345	240	275	70
37001372	SYMXX15 Holder	YGSY5-490S40-15	49	5	40	60	350	245	280	70
37001373	SYMXX15 Holder	YGSY5-500S40-15	50	5	40	60	355	250	285	70

X-Drill Inserts (SYMX)



Unit : mm

Material	Product Type	Material Description	RE	Grade
32000097	SYMXX05 Insert	SYMXX050204-YG713/SYMXX050204	0.4	YG713
32000098	SYMXX05 Insert	SYMXX050204-YG613/SYMXX050204	0.4	YG613
32000093	SYMXX06 Insert	SYMXX060204-YG713/SYMXX060204	0.4	YG713
32000095	SYMXX06 Insert	SYMXX060204-YG613/SYMXX060204	0.4	YG613
32000099	SYMXX07 Insert	SYMXX07T206-YG713/SYMXX07T206	0.6	YG713
32000100	SYMXX07 Insert	SYMXX07T206-YG613/SYMXX07T206	0.6	YG613
32000101	SYMXX08 Insert	SYMXX080306-YG713/SYMXX080306	0.6	YG713
32000102	SYMXX08 Insert	SYMXX080306-YG613/SYMXX080306	0.6	YG613
32000107	SYMXX10 Insert	SYMXX10T308-YG713/SYMXX10T308	0.8	YG713
32000108	SYMXX10 Insert	SYMXX10T308-YG613/SYMXX10T308	0.8	YG613
32000109	SYMXX11 Insert	SYMXX110408-YG713/SYMXX110408	0.8	YG713
32000110	SYMXX11 Insert	SYMXX110408-YG613/SYMXX110408	0.8	YG613
32000111	SYMXX13 Insert	SYMXX130410-YG713/SYMXX130410	1	YG713
32000112	SYMXX13 Insert	SYMXX130410-YG613/SYMXX130410	1	YG613
32000113	SYMXX15 Insert	SYMXX150512-YG713/SYMXX150512	1.2	YG713
32000114	SYMXX15 Insert	SYMXX150512-YG613/SYMXX150512	1.2	YG613

YG GROOVE

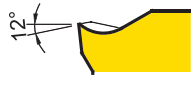
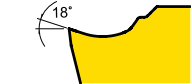
Parting & Turn-Groove Insert for Multi-Purpose Machining Expansion of Products

The newly designed double-ended Parting & Turn-Groove Insert with bigger size of width 5 to 8mm offers a wide range of applications.

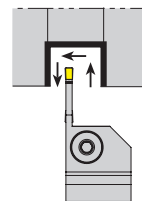
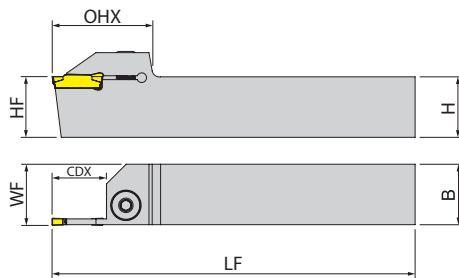
Parting & Grooving Inserts

	TD. Series	Inserts	2,3,4
		TDN, TDP, TDY	5,6 and 8 mm

Parting & Grooving Chipbreakers

Parting & Grooving	-P	 	- For Parting & Deep Grooving - For Low Feed Rate and Difficult to Cut Materials	   
	-N	 	- For External Parting and Grooving - For General Use	   
Turning & Grooving	GL	 	- For External, Internal turning and Grooving - Face grooving and Face turning - For low feed rate	      
	GM	 	- For External, Internal turning and Grooving - First choice Face Grooving and Face turning - For Medium feed rate	     
	RG	 	- For External, Internal turning and Grooving - Full radius Insert for Profiling	    

External holders

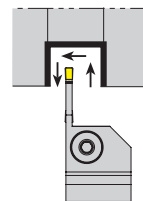
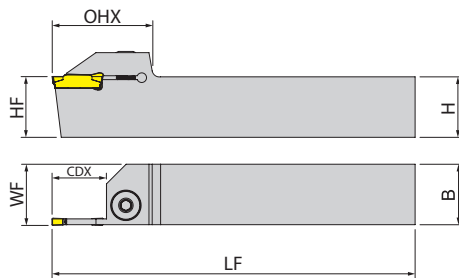


Unit : mm

Size	EDP	Description	CW	CDX	H	B	LF	WF	OHX (OHN)	HBH	CUTDIA	DAXIN	DAXX	DCONMS	DMIN
2mm	57000617	YTER1212K-2D40-T15	2	15	12	12	125	11.12	32	4	40	-	-	-	-
2mm	57000616	YTEL1212K-2D40-T15	2	15	12	12	125	11.12	32	4	40	-	-	-	-
2mm	57000574	YTER1616J-2T08	2	8	16	16	110	15.12	33	4	-	-	-	-	-
2mm	57000634	YTEL1616J-2T08	2	8	16	16	110	15.12	33	4	-	-	-	-	-
2mm	57000575	YTER1616J-2T15	2	15	16	16	110	15.12	33	4	-	-	-	-	-
2mm	57000618	YTEL1616J-2T15	2	15	16	16	110	15.12	33	4	-	-	-	-	-
2mm	57000576	YTER2020K-2T08	2	8	20	20	125	19.12	33	-	-	-	-	-	-
2mm	57000635	YTEL2020K-2T08	2	8	20	20	125	19.12	33	-	-	-	-	-	-
2mm	57000637	YTER2020K-2T09	2	9	20	20	125	19.12	33	-	-	-	-	-	-
2mm	57000636	YTEL2020K-2T09	2	9	20	20	125	19.12	33	-	-	-	-	-	-
2mm	57000577	YTER2020K-2T15	2	15	20	20	125	19.12	33	-	-	-	-	-	-
2mm	57000619	YTEL2020K-2T15	2	15	20	20	125	19.12	33	-	-	-	-	-	-
2mm	57000621	YTER2020K-2T20	2	20	20	20	125	19.12	38.5	-	-	-	-	-	-
2mm	57000620	YTEL2020K-2T20	2	20	20	20	125	19.12	38.5	-	-	-	-	-	-
2mm	57000578	YTER2525M-2T08	2	8	25	25	150	24.12	33	-	-	-	-	-	-
2mm	57000638	YTEL2525M-2T08	2	8	25	25	150	24.12	33	-	-	-	-	-	-
2mm	57000579	YTER2525M-2T15	2	15	25	25	150	24.12	33	-	-	-	-	-	-
2mm	57000622	YTEL2525M-2T15	2	15	25	25	150	24.12	33	-	-	-	-	-	-
2mm	57000640	YTER2525M-2T17	2	17	25	25	150	24.12	35	-	-	-	-	-	-
2mm	57000639	YTEL2525M-2T17	2	17	25	25	150	24.12	35	-	-	-	-	-	-
3mm	57000624	YTER1212K-3D40-T15	3	15	12	12	125	10.8	32	4	40	-	-	-	-
3mm	57000623	YTEL1212K-3D40-T15	3	15	12	12	125	10.8	32	4	40	-	-	-	-
3mm	57000580	YTER1616J-3T10	3	10	16	16	110	14.8	33	4	-	-	-	-	-
3mm	57000641	YTEL1616J-3T10	3	10	16	16	110	14.8	33	4	-	-	-	-	-

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External holders

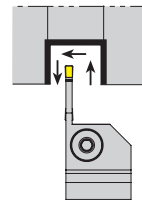
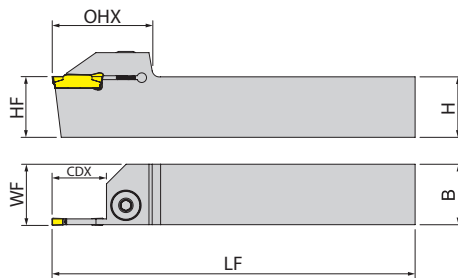


Unit : mm

Size	EDP	Description	CW	CDX	H	B	LF	WF	OHX (OHN)	HBH	CUTDIA	DAXIN	DAXX	DCONMS	DMIN
3mm	57000643	YTER1616J-3T15	3	15	16	16	110	14.8	33	4	-	-	-	-	-
3mm	57000642	YTEL1616J-3T15	3	15	16	16	110	14.8	33	4	-	-	-	-	-
3mm	57000581	YTER1616J-3T20	3	20	16	16	110	14.8	38.5	4	-	-	-	-	-
3mm	57000625	YTEL1616J-3T20	3	20	16	16	110	14.8	38.5	4	-	-	-	-	-
3mm	57000582	YTER2020K-3T10	3	10	20	20	125	18.8	33	-	-	-	-	-	-
3mm	57000644	YTEL2020K-3T10	3	10	20	20	125	18.8	33	-	-	-	-	-	-
3mm	57000583	YTER2020K-3T20	3	20	20	20	125	18.8	38.5	-	-	-	-	-	-
3mm	57000626	YTEL2020K-3T20	3	20	20	20	125	18.8	38.5	-	-	-	-	-	-
3mm	57000646	YTER2525M-3T09	3	9	25	25	150	23.8	33	-	-	-	-	-	-
3mm	57000645	YTEL2525M-3T09	3	9	25	25	150	23.8	33	-	-	-	-	-	-
3mm	57000584	YTER2525M-3T10	3	10	25	25	150	23.8	33	-	-	-	-	-	-
3mm	57000674	YTEL2525M-3T10	3	10	25	25	150	23.8	33	-	-	-	-	-	-
3mm	57000585	YTER2525M-3T20	3	20	25	25	150	23.8	38.5	-	-	-	-	-	-
3mm	57000627	YTEL2525M-3T20	3	20	25	25	150	23.8	38.5	-	-	-	-	-	-
3mm	57000648	YTER3232P-3T20	3	20	32	32	170	30.8	38.5	-	-	-	-	-	-
3mm	57000647	YTEL3232P-3T20	3	20	32	32	170	30.8	38.5	-	-	-	-	-	-
4mm	57000586	YTER2020K-4T13	4	13	20	20	125	18.5	33	-	-	-	-	-	-
4mm	57000649	YTEL2020K-4T13	4	13	20	20	125	18.5	33	-	-	-	-	-	-
4mm	57000587	YTER2020K-4T25	4	25	20	20	125	18.5	45	-	-	-	-	-	-
4mm	57000650	YTEL2020K-4T25	4	25	20	20	125	18.5	45	-	-	-	-	-	-
4mm	57000588	YTER2525M-4T13	4	13	25	25	150	23.5	33	-	-	-	-	-	-
4mm	57000651	YTEL2525M-4T13	4	13	25	25	150	23.5	33	-	-	-	-	-	-
4mm	57000653	YTER2525M-4T20	4	20	25	25	150	23.5	38.5	-	-	-	-	-	-
4mm	57000652	YTEL2525M-4T20	4	20	25	25	150	23.5	38.5	-	-	-	-	-	-

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External holders

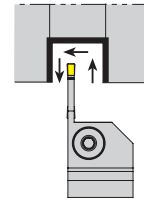
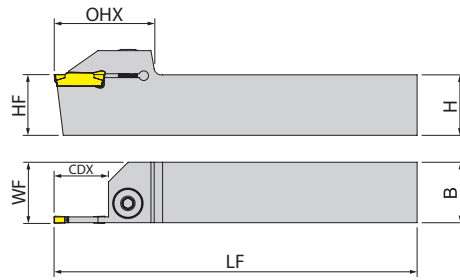


Unit : mm

Size	EDP	Description	CW	CDX	H	B	LF	WF	OHX (OHN)	HBH	CUTDIA	DAXIN	DAXX	DCONMS	DMIN
4mm	57000589	YTER2525M-4T25	4	25	25	25	150	23.5	45	-	-	-	-	-	-
4mm	57000654	YTEL2525M-4T25	4	25	25	25	150	23.5	45	-	-	-	-	-	-
5 mm	57000695	YTER2020K-5T13	5	13	20	20	125	18.02	37	-	-	-	-	-	-
5 mm	57000739	YTEL2020K-5T13	5	13	20	20	125	18.02	37	-	-	-	-	-	-
5 mm	57000696	YTER2020K-5T20	5	20	20	20	125	18.02	39	-	-	-	-	-	-
5 mm	57000740	YTEL2020K-5T20	5	20	20	20	125	18.02	39	-	-	-	-	-	-
5 mm	57000697	YTER2525M-5T13	5	13	25	25	150	23.02	37	-	-	-	-	-	-
5 mm	57000741	YTEL2525M-5T13	5	13	25	25	150	23.02	37	-	-	-	-	-	-
5 mm	57000698	YTER2525M-5T20	5	20	25	25	150	23.02	39	-	-	-	-	-	-
5 mm	57000742	YTEL2525M-5T20	5	20	25	25	150	23.02	39	-	-	-	-	-	-
5 mm	57000699	YTER2525M-5T25	5	25	25	25	150	23.02	47	-	-	-	-	-	-
5 mm	57000743	YTEL2525M-5T25	5	25	25	25	150	23.02	47	-	-	-	-	-	-
5 mm	57000700	YTER2525M-5T32	5	32	25	25	150	23.02	56	-	-	-	-	-	-
5 mm	57000744	YTEL2525M-5T32	5	32	25	25	150	23.02	56	-	-	-	-	-	-
5 mm	57000701	YTER3232P-5T20	5	20	32	32	170	30.02	39	-	-	-	-	-	-
5 mm	57000745	YTEL3232P-5T20	5	20	32	32	170	30.02	39	-	-	-	-	-	-
5 mm	57000702	YTER3232P-5T32	5	32	32	32	170	30.02	56	-	-	-	-	-	-
5 mm	57000746	YTEL3232P-5T32	5	32	32	32	170	30.02	56	-	-	-	-	-	-
6 mm	57000703	YTER2020K-6T13	6	13	20	20	125	17.52	38	-	-	-	-	-	-
6 mm	57000747	YTEL2020K-6T13	6	13	20	20	125	17.52	38	-	-	-	-	-	-
6 mm	57000704	YTER2020K-6T20	6	20	20	20	125	17.52	41	-	-	-	-	-	-
6 mm	57000748	YTEL2020K-6T20	6	20	20	20	125	17.52	41	-	-	-	-	-	-
6 mm	57000705	YTER2525M-6T13	6	13	25	25	150	22.52	38	-	-	-	-	-	-
6 mm	57000749	YTEL2525M-6T13	6	13	25	25	150	22.52	38	-	-	-	-	-	-

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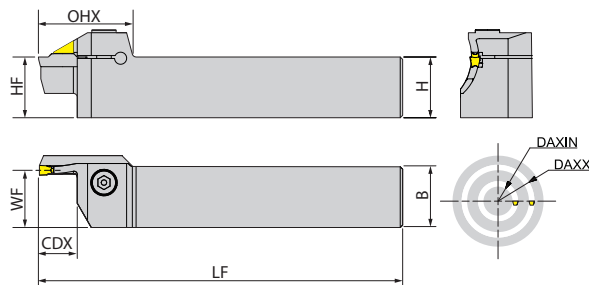
External holders



Unit : mm

Size	EDP	Description	CW	CDX	H	B	LF	WF	OHX (OHN)	HBH	CUTDIA	DAXIN	DAXX	DCONMS	DMIN
6 mm	57000706	YTER2525M-6T20	6	20	25	25	150	22.52	41	-	-	-	-	-	-
6 mm	57000750	YTEL2525M-6T20	6	20	25	25	150	22.52	41	-	-	-	-	-	-
6 mm	57000707	YTER2525M-6T25	6	25	25	25	150	22.52	47	-	-	-	-	-	-
6 mm	57000751	YTEL2525M-6T25	6	25	25	25	150	22.52	47	-	-	-	-	-	-
6 mm	57000708	YTER2525M-6T32	6	32	25	25	150	22.52	56	7	-	-	-	-	-
6 mm	57000752	YTEL2525M-6T32	6	32	25	25	150	22.52	56	7	-	-	-	-	-
6 mm	57000709	YTER3232P-6T20	6	20	32	32	170	29.52	41	-	-	-	-	-	-
6 mm	57000753	YTEL3232P-6T20	6	20	32	32	170	29.52	41	-	-	-	-	-	-
6 mm	57000710	YTER3232P-6T25	6	25	32	32	170	29.52	47	-	-	-	-	-	-
6 mm	57000754	YTEL3232P-6T25	6	25	32	32	170	29.52	47	-	-	-	-	-	-
6 mm	57000711	YTER3232P-6T32	6	32	32	32	170	29.52	56	-	-	-	-	-	-
6 mm	57000755	YTEL3232P-6T32	6	32	32	32	170	29.52	56	-	-	-	-	-	-
8 mm	57000712	YTER2525M-8T16	8	16	25	25	150	22.02	47	7	-	-	-	-	-
8 mm	57000756	YTEL2525M-8T16	8	16	25	25	150	22.02	47	7	-	-	-	-	-
8 mm	57000713	YTER2525M-8T25	8	25	25	25	150	22.02	47	7	-	-	-	-	-
8 mm	57000757	YTEL2525M-8T25	8	25	25	25	150	22.02	47	7	-	-	-	-	-
8 mm	57000714	YTER3232P-8T16	8	16	32	32	170	29.02	47	-	-	-	-	-	-
8 mm	57000758	YTEL3232P-8T16	8	16	32	32	170	29.02	47	-	-	-	-	-	-
8 mm	57000715	YTER3232P-8T25	8	25	32	32	170	29.02	47	-	-	-	-	-	-
8 mm	57000759	YTEL3232P-8T25	8	25	32	32	170	29.02	47	-	-	-	-	-	-
8 mm	57000716	YTER3232P-8T32	8	32	32	32	170	29.02	56	-	-	-	-	-	-
8 mm	57000760	YTEL3232P-8T32	8	32	32	32	170	29.02	56	-	-	-	-	-	-

External Holder-Face Grooving

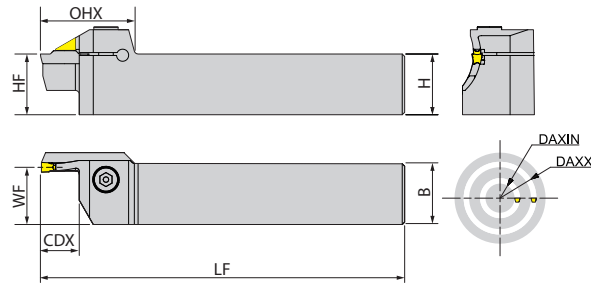


Unit : mm

Size	EDP	Description	CW	CDX	H	B	LF	WF	OHX (OHN)	HBH	CUTDIA	DAXIN	DAXX	DCONMS	DMIN
3mm	57000599	YTFR25M-D034050-3T10A	3	10	25	25	150	23.95	38	-	-	34	50	-	-
3mm	57000657	YTFL25M-D034050-3T10A	3	10	25	25	150	23.95	38	-	-	34	50	-	-
3mm	57000600	YTFR25M-D044060-3T15A	3	15	25	25	150	23.95	38	-	-	44	60	-	-
3mm	57000658	YTFL25M-D044060-3T15A	3	15	25	25	150	23.95	38	-	-	44	60	-	-
3mm	57000601	YTFR25M-D054085-3T15A	3	15	25	25	150	23.95	38	-	-	54	85	-	-
3mm	57000659	YTFL25M-D054085-3T15A	3	15	25	25	150	23.95	38	-	-	54	85	-	-
4mm	57000602	YTFR25M-D034050-4T15A	4	15	25	25	150	23.55	39	-	-	34	50	-	-
4mm	57000660	YTFL25M-D034050-4T15A	4	15	25	25	150	23.55	39	-	-	34	50	-	-
4mm	57000603	YTFR25M-D042060-4T15A	4	15	25	25	150	23.55	39	-	-	42	60	-	-
4mm	57000661	YTFL25M-D042060-4T15A	4	15	25	25	150	23.55	39	-	-	42	60	-	-
4mm	57000604	YTFR25M-D052072-4T20A	4	20	25	25	150	23.55	39	-	-	52	72	-	-
4mm	57000662	YTFL25M-D052072-4T20A	4	20	25	25	150	23.55	39	-	-	52	72	-	-
4mm	57000605	YTFR25M-D064120-4T20A	4	20	25	25	150	23.55	39	-	-	64	120	-	-
4mm	57000663	YTFL25M-D064120-4T20A	4	20	25	25	150	23.55	39	-	-	64	120	-	-
4mm	57000606	YTFR25M-D112200-4T20A	4	20	25	25	150	23.55	39	-	-	112	200	-	-
4mm	57000664	YTFL25M-D112200-4T20A	4	20	25	25	150	23.55	39	-	-	112	200	-	-
4mm	57000607	YTFR25M-D200-4T20A	4	20	25	25	150	23.55	39	-	-	200	-	-	-
4mm	57000665	YTFL25M-D200-4T20A	4	20	25	25	150	23.55	39	-	-	200	-	-	-
5 mm	57000717	YTFR25M-D050080-5T20A	5	20	25	25	150	23.02	49	-	-	50	80	-	-
5 mm	57000761	YTFL25M-D050080-5T20A	5	20	25	25	150	23.02	49	-	-	50	80	-	-
5 mm	57000718	YTFR25M-D070110-5T20A	5	20	25	25	150	23.02	49	-	-	70	110	-	-
5 mm	57000762	YTFL25M-D070110-5T20A	5	20	25	25	150	23.02	49	-	-	70	110	-	-
5 mm	57000719	YTFR25M-D100150-5T20A	5	20	25	25	150	23.02	49	-	-	100	150	-	-
5 mm	57000763	YTFL25M-D100150-5T20A	5	20	25	25	150	23.02	49	-	-	100	150	-	-

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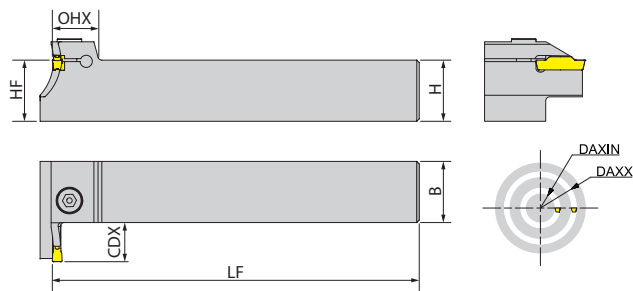
External Holder-Face Grooving



Unit : mm

Size	EDP	Description	CW	CDX	H	B	LF	WF	OHX (OHN)	HBH	CUTDIA	DAXIN	DAXX	DCONMS	DMIN
5 mm	57000720	YTFR25M-D140200-5T20A	5	20	25	25	150	23.02	49	-	-	140	200	-	-
5 mm	57000764	YTFL25M-D140200-5T20A	5	20	25	25	150	23.02	49	-	-	140	200	-	-
5 mm	57000721	YTFR25M-D200-5T20A	5	20	25	25	150	23.02	49	-	-	200	-	-	-
5 mm	57000765	YTFL25M-D200-5T20A	5	20	25	25	150	23.02	49	-	-	200	-	-	-
6 mm	57000722	YTFR25M-D058100-6T20A	6	20	25	25	150	22.52	49	-	-	58	100	-	-
6 mm	57000766	YTFL25M-D058100-6T20A	6	20	25	25	150	22.52	49	-	-	58	100	-	-
6 mm	57000723	YTFR25M-D088180-6T20A	6	20	25	25	150	22.52	49	-	-	88	180	-	-
6 mm	57000767	YTFL25M-D088180-6T20A	6	20	25	25	150	22.52	49	-	-	88	180	-	-
6 mm	57000724	YTFR25M-D168400-6T20A	6	20	25	25	150	22.52	49	-	-	168	400	-	-
6 mm	57000768	YTFL25M-D168400-6T20A	6	20	25	25	150	22.52	49	-	-	168	400	-	-

External Holder-Perpendicular Face Grooving

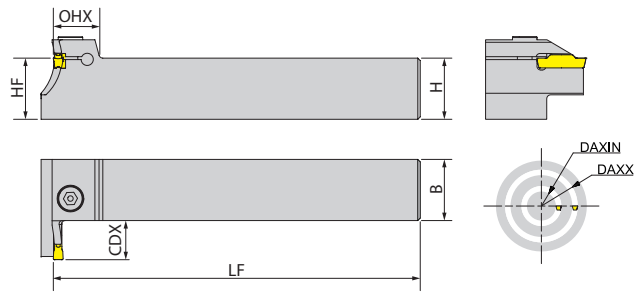


Unit : mm

Size	EDP	Description	CW	CDX	H	B	LF	WF	OHX (OHN)	HBH	CUTDIA	DAXIN	DAXX	DCONMS	DMIN
3mm	57000608	YTFPR25M-D034050-3T12A	3	12	25	25	150	-	18.5	-	-	34	50	-	-
3mm	57000666	YTFPL25M-D034050-3T12A	3	12	25	25	150	-	18.5	-	-	34	50	-	-
3mm	57000609	YTFPR25M-D044060-3T15A	3	15	25	25	150	-	18.5	-	-	44	60	-	-
3mm	57000667	YTFPL25M-D044060-3T15A	3	15	25	25	150	-	18.5	-	-	44	60	-	-
3mm	57000610	YTFPR25M-D054085-3T15A	3	15	25	25	150	-	18.5	-	-	54	85	-	-
3mm	57000668	YTFPL25M-D054085-3T15A	3	15	25	25	150	-	18.5	-	-	54	85	-	-
4mm	57000611	YTFPR25M-D034050-4T15A	4	15	25	25	150	-	19	-	-	34	50	-	-
4mm	57000669	YTFPL25M-D034050-4T15A	4	15	25	25	150	-	19	-	-	34	50	-	-
4mm	57000612	YTFPR25M-D042060-4T15A	4	15	25	25	150	-	19	-	-	42	60	-	-
4mm	57000670	YTFPL25M-D042060-4T15A	4	15	25	25	150	-	19	-	-	42	60	-	-
4mm	57000613	YTFPR25M-D052072-4T20A	4	20	25	25	150	-	19	-	-	52	72	-	-
4mm	57000671	YTFPL25M-D052072-4T20A	4	20	25	25	150	-	19	-	-	52	72	-	-
4mm	57000614	YTFPR25M-D064120-4T20A	4	20	25	25	150	-	19	-	-	64	120	-	-
4mm	57000672	YTFPL25M-D064120-4T20A	4	20	25	25	150	-	19	-	-	64	120	-	-
4mm	57000615	YTFPR25M-D112200-4T20A	4	20	25	25	150	-	19	-	-	112	200	-	-
4mm	57000673	YTFPL25M-D112200-4T20A	4	20	25	25	150	-	19	-	-	112	200	-	-
5 mm	57000725	YTFPR25M-D050080-5T20A	5	20	25	25	150	-	22	-	-	50	80	-	-
5 mm	57000769	YTFPL25M-D050080-5T20A	5	20	25	25	150	-	22	-	-	50	80	-	-
5 mm	57000726	YTFPR25M-D070110-5T20A	5	20	25	25	150	-	22	-	-	70	110	-	-
5 mm	57000770	YTFPL25M-D070110-5T20A	5	20	25	25	150	-	22	-	-	70	110	-	-
5 mm	57000727	YTFPR25M-D100150-5T20A	5	20	25	25	150	-	22	-	-	100	150	-	-
5 mm	57000771	YTFPL25M-D100150-5T20A	5	20	25	25	150	-	22	-	-	100	150	-	-
5 mm	57000728	YTFPR25M-D140200-5T20A	5	20	25	25	150	-	22	-	-	140	200	-	-
5 mm	57000772	YTFPL25M-D140200-5T20A	5	20	25	25	150	-	22	-	-	140	200	-	-

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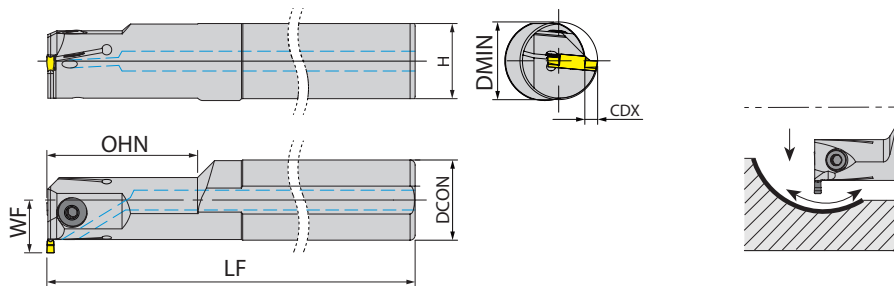
External Holder-Perpendicular Face Grooving



Unit :mm

Size	EDP	Description	CW	CDX	H	B	LF	WF	OHX (OHN)	HBH	CUTDIA	DAXIN	DAXX	DCONMS	DMIN
5 mm	57000729	YTFPR25M-D200-5T20A	5	20	25	25	150	-	22	-	-	200	-	-	-
5 mm	57000773	YTFPL25M-D200-5T20A	5	20	25	25	150	-	22	-	-	200	-	-	-
6 mm	57000730	YTFPR25M-D073150-6T20A	6	20	25	25	150	-	22	-	-	73	150	-	-
6 mm	57000774	YTFPL25M-D073150-6T20A	6	20	25	25	150	-	22	-	-	73	150	-	-
6 mm	57000731	YTFPR25M-D138250-6T20A	6	20	25	25	150	-	22	-	-	138	250	-	-
6 mm	57000775	YTFPL25M-D138250-6T20A	6	20	25	25	150	-	22	-	-	138	250	-	-

Internal Holder

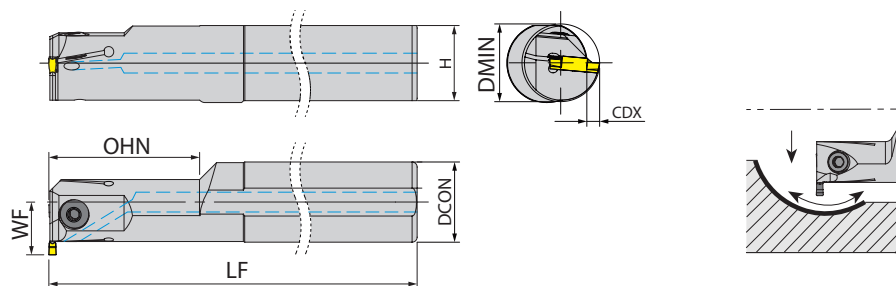


Unit : mm

Size	EDP	Description	CW	CDX	H	B	LF	WF	OHX (OHN)	HBH	CUTDIA	DAXIN	DAXX	DCONMS	DMIN
2mm	57000590	YTIR16K-D25-2T06-C	2	6	15	-	125	14.5	40	-	-	-	-	16	25
2mm	57000682	YTIL16K-D25-2T06-C	2	6	15	-	125	14.5	40	-	-	-	-	16	25
2mm	57000591	YTIR20N-D27-2T06-C	2	6	18	-	160	16	40	-	-	-	-	20	27
2mm	57000683	YTIL20N-D27-2T06-C	2	6	18	-	160	16	40	-	-	-	-	20	27
2mm	57000592	YTIR25R-D29-2T06-C	2	6	23	-	200	18.5	40	-	-	-	-	25	29
2mm	57000684	YTIL25R-D29-2T06-C	2	6	23	-	200	18.5	40	-	-	-	-	25	29
3mm	57000593	YTIR20N-D27-3T06-C	3	6	18	-	160	16	40	-	-	-	-	20	27
3mm	57000685	YTIL20N-D27-3T06-C	3	6	18	-	160	16	40	-	-	-	-	20	27
3mm	57000594	YTIR25R-D29-3T06-C	3	6	23	-	200	18.5	40	-	-	-	-	25	29
3mm	57000686	YTIL25R-D29-3T06-C	3	6	23	-	200	18.5	40	-	-	-	-	25	29
3mm	57000595	YTIR32S-D40-3T10-C	3	10	30	-	250	26	60	-	-	-	-	32	40
3mm	57000687	YTIL32S-D40-3T10-C	3	10	30	-	250	26	60	-	-	-	-	32	40
4mm	57000596	YTIR20N-D27-4T06-C	4	6	18	-	160	16	40	-	-	-	-	20	27
4mm	57000688	YTIL20N-D27-4T06-C	4	6	18	-	160	16	40	-	-	-	-	20	27
4mm	57000597	YTIR25R-D29-4T06-C	4	6	23	-	200	18.5	40	-	-	-	-	25	29
4mm	57000689	YTIL25R-D29-4T06-C	4	6	23	-	200	18.5	40	-	-	-	-	25	29
4mm	57000598	YTIR32S-D40-4T10-C	4	10	30	-	250	26	60	-	-	-	-	32	40
4mm	57000690	YTIL32S-D40-4T10-C	4	10	30	-	250	26	60	-	-	-	-	32	40
5 mm	57000732	YTIR25R-D31-5T07-C	5	7	23	-	200	19.5	40	-	-	-	-	25	31
5 mm	57000776	YTIL25R-D31-5T07-C	5	7	23	-	200	19.5	40	-	-	-	-	25	31
5 mm	57000733	YTIR32S-D40-5T10-C	5	10	30	-	250	26	60	-	-	-	-	32	40
5 mm	57000777	YTIL32S-D40-5T10-C	5	10	30	-	250	26	60	-	-	-	-	32	40
6 mm	57000734	YTIR32S-D31-6T07-C	6	7	28	-	250	23	60	-	-	-	-	32	31
6 mm	57000778	YTIL32S-D31-6T07-C	6	7	28	-	250	23	60	-	-	-	-	32	31

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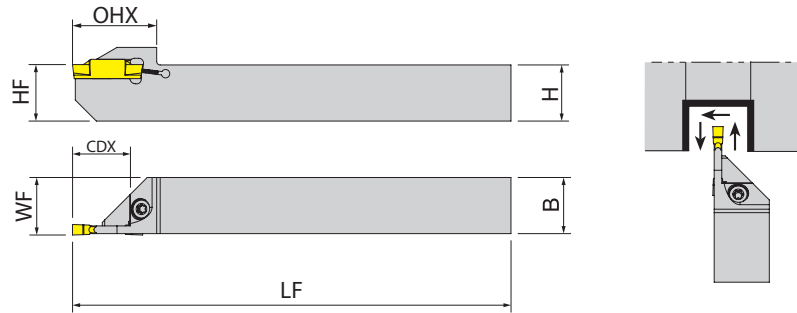
Internal Holder



Unit : mm

Size	EDP	Description	CW	CDX	H	B	LF	WF	OHX (OHN)	HBH	CUTDIA	DAXIN	DAXX	DCONMS	DMIN
6 mm	57000735	YTIR32S-D40-6T10-C	6	10	30	-	250	26	60	-	-	-	-	32	40
6 mm	57000779	YTIL32S-D40-6T10-C	6	10	30	-	250	26	60	-	-	-	-	32	40
8 mm	57000736	YTIR32S-D40-8T10-C	8	10	30	-	250	26	60	-	-	-	-	32	40
8 mm	57000780	YTIL32S-D40-8T10-C	8	10	30	-	250	26	60	-	-	-	-	32	40
8 mm	57000737	YTIR40T-D45-8T10-C	8	10	37	-	300	30	65	-	-	-	-	40	45
8 mm	57000781	YTIL40T-D45-8T10-C	8	10	37	-	300	30	65	-	-	-	-	40	45

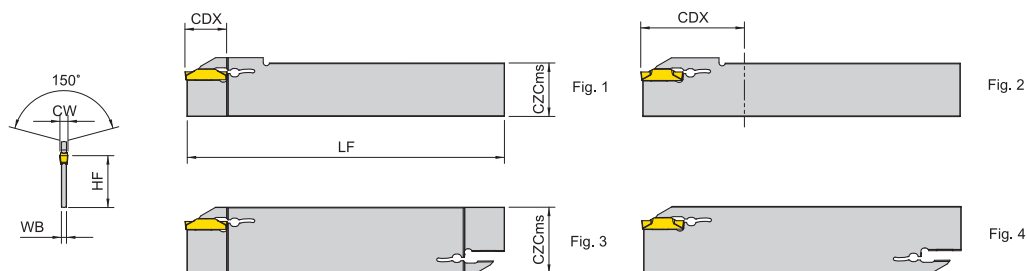
External Holder-Swiss Lathe



Unit : mm

Size	EDP	Description	CW	CDX	H	B	LF	WF	OHX (OHN)	HBH	CUTDIA	DAXIN	DAXX	DCONMS	DMIN
2mm	57000678	YTER1010K-2D20-S	2	10	10	10	125	9.12	21	2	20	-	-	-	-
2mm	57000680	YTEL1010K-2D20-S	2	10	10	10	125	9.12	21	2	20	-	-	-	-
2mm	57000628	YTER1212K-2D24-S	2	12	12	12	125	11.12	21	2	24	-	-	-	-
2mm	57000655	YTEL1212K-2D24-S	2	12	12	12	125	11.12	21	2	24	-	-	-	-
2mm	57000629	YTER1616K-2D32-S	2	16	16	16	125	15.12	24	-	32	-	-	-	-
2mm	57000656	YTEL1616K-2D32-S	2	16	16	16	125	15.12	24	-	32	-	-	-	-
3mm	57000631	YTER1212K-3D24-S	3	12	12	12	125	10.8	21	2	24	-	-	-	-
3mm	57000630	YTEL1212K-3D24-S	3	12	12	12	125	10.8	21	2	24	-	-	-	-
3mm	57000633	YTER1616K-3D32-S	3	16	16	16	125	14.8	24	-	32	-	-	-	-
3mm	57000632	YTEL1616K-3D32-S	3	16	16	16	125	14.8	24	-	32	-	-	-	-

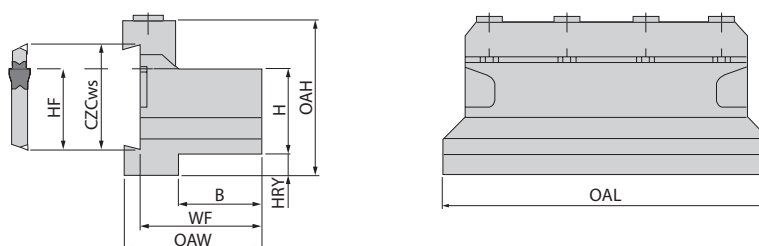
Blade (TD* Type)



Unit :mm

Size	EDP	Description	CW	H	HF	LF	WB	WB2	CUTDIA
2mm	57000834	YBT26-2S	2	26	21.4	150	1.8	2.4	40
2mm	57000826	YBT32-2	2	32	25	150	1.8	2.4	40
3mm	57000835	YBT26-3S	3	26	21.4	150	2.4	-	100
3mm	57000827	YBT32-3	3	32	25	150	2.4	-	100

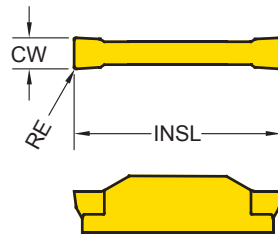
Blade Block



Unit :mm

EDP	Description	HTPRM	H	B	HBH	OAH	WTHPRM	OAL	OAW
57000829	YGBL20-26	26	20	19	9	43	5	86	38
57000830	YGBL20-32	32	20	19	13	50	5	100	38
57000831	YGBL25-26	26	25	23	4	43	5	110	42
57000828	YGBL25-32	32	25	23	8	50	5	110	42

Parting & Grooving Inserts

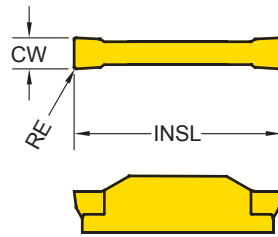


Unit : mm

Size	EDP	Description	Grade	Turning		Parting & Grooving	
				Fn	Ap	Fn	CDX
2mm	52000010	TDN2002-YG602/TDN2002	YG602	-	-	0.05~0.18	0~19
2mm	52000035	TDN2002-YG602G/TDN2002	YG602G	-	-	0.05~0.18	0~19
2mm	52000077	TDN2002-YG603/TDN2002	YG603	-	-	0.05~0.18	0~19
2mm	52000012	TDP2002-YG602/TDP2002	YG602	-	-	0.04~0.12	0~19
2mm	52000036	TDP2002-YG602G/TDP2002	YG602G	-	-	0.04~0.12	0~19
2mm	52000078	TDP2002-YG603/TDP2002	YG603	-	-	0.04~0.12	0~19
2mm	52000043	TDNR2002-6-YG602/TDNR2002-6	YG602	-	-	0.04~0.14	0~19
2mm	52000083	TDNR2002-6-YG603/TDNR2002-6	YG603	-	-	0.04~0.14	0~19
2mm	52000044	TDNL2002-6-YG602/TDNL2002-6	YG602	-	-	0.04~0.14	0~19
2mm	52000084	TDNL2002-6-YG603/TDNL2002-6	YG603	-	-	0.04~0.14	0~19
2mm	52000045	TDPR2002-6-YG602/TDPR2002-6	YG602	-	-	0.03~0.08	0~19
2mm	52000085	TDPR2002-6-YG603/TDPR2002-6	YG603	-	-	0.03~0.08	0~19
2mm	52000046	TDPL2002-6-YG602/TDPL2002-6	YG602	-	-	0.03~0.08	0~19
2mm	52000086	TDPL2002-6-YG603/TDPL2002-6	YG603	-	-	0.03~0.08	0~19
3mm	52000024	TDN3002-YG602/TDN3002	YG602	-	-	0.07~0.23	0~19
3mm	52000025	TDN3002-YG602G/TDN3002	YG602G	-	-	0.07~0.23	0~19
3mm	52000075	TDN3002-YG603/TDN3002	YG603	-	-	0.07~0.23	0~19
3mm	52000029	TDP3002-YG602/TDP3002	YG602	-	-	0.05~0.16	0~19
3mm	52000030	TDP3002-YG602G/TDP3002	YG602G	-	-	0.05~0.16	0~19
3mm	52000076	TDP3002-YG603/TDP3002	YG603	-	-	0.05~0.16	0~19
3mm	52000040	TDNR3002-6-YG602/TDNR3002-6	YG602	-	-	0.06~0.18	0~19
3mm	52000087	TDNR3002-6-YG603/TDNR3002-6	YG603	-	-	0.06~0.18	0~19
3mm	52000047	TDNL3002-6-YG602/TDNL3002-6	YG602	-	-	0.06~0.18	0~19
3mm	52000088	TDNL3002-6-YG603/TDNL3002-6	YG603	-	-	0.06~0.18	0~19

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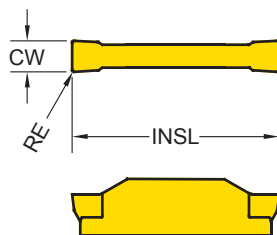
Parting & Grooving Inserts



Unit : mm

Size	EDP	Description	Grade	Turning		Parting & Grooving	
				Fn	Ap	Fn	CDX
3mm	52000048	TDPR3002-6-YG602/TDPR3002-6	YG602	-	-	0.04~0.12	0~19
3mm	52000089	TDPR3002-6-YG603/TDPR3002-6	YG603	-	-	0.04~0.12	0~19
3mm	52000049	TDPL3002-6-YG602/TDPL3002-6	YG602	-	-	0.04~0.12	0~19
3mm	52000090	TDPL3002-6-YG603/TDPL3002-6	YG603	-	-	0.04~0.12	0~19
4mm	52000022	TDN4003-YG602/TDN4003	YG602	-	-	0.08~0.28	0~19
4mm	52000037	TDN4003-YG602G/TDN4003	YG602G	-	-	0.08~0.28	0~19
4mm	52000079	TDN4003-YG603/TDN4003	YG603	-	-	0.08~0.28	0~19
4mm	52000023	TDP4003-YG602/TDP4003	YG602	-	-	0.06~0.18	0~19
4mm	52000038	TDP4003-YG602G/TDP4003	YG602G	-	-	0.06~0.18	0~19
4mm	52000080	TDP4003-YG603/TDP4003	YG603	-	-	0.06~0.18	0~19
4mm	52000096	TDNL4003-4-YG602/TDNL4003-4	YG602	-	-	0.06~0.24	0~19
5 mm	52000042	TDN5003-YG602/TDN5003	YG602	-	-	0.09~0.30	0~24
5 mm	52000136	TDN5003-YG602G/TDN5003	YG602G	-	-	0.09~0.30	0~24
5 mm	52000130	TDN5003-YG603/TDN5003	YG603	-	-	0.09~0.30	0~24
5 mm	52000142	TDP5003-YG602/TDP5003	YG602	-	-	0.06~0.20	0~24
5 mm	52000143	TDP5003-YG602G/TDP5003	YG602G	-	-	0.06~0.20	0~24
5 mm	52000144	TDP5003-YG603/TDP5003	YG603	-	-	0.06~0.20	0~24
6 mm	52000132	TDN6003-YG602/TDN6003	YG602	-	-	0.10~0.35	0~24
6 mm	52000137	TDN6003-YG602G/TDN6003	YG602G	-	-	0.10~0.35	0~24
6 mm	52000133	TDN6003-YG603/TDN6003	YG603	-	-	0.10~0.35	0~24
6 mm	52000145	TDP6003-YG602/TDP6003	YG602	-	-	0.06~0.22	0~24
6 mm	52000146	TDP6003-YG602G/TDP6003	YG602G	-	-	0.06~0.22	0~24
6 mm	52000147	TDP6003-YG603/TDP6003	YG603	-	-	0.06~0.22	0~24
8 mm	52000138	TDN8004-YG602/TDN8004	YG602	-	-	0.12~0.40	0~29
8 mm	52000139	TDN8004-YG602G/TDN8004	YG602G	-	-	0.12~0.40	0~29
8 mm	52000140	TDN8004-YG603/TDN8004	YG603	-	-	0.12~0.40	0~29

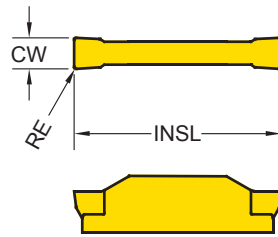
Turning & Grooving Inserts



Unit : mm

Size	EDP	Description	Grade	Turning		Parting & Grooving	
				Fn	Ap	Fn	CDX
2mm	52000123	TDY2E-0.3-GL-YG602G/TDY2E-0.3-GL	YG602G	0.06~0.18	0.4~1.5	0.04~0.20	0~10
2mm	52000124	TDY2E-0.3-GL-YG603/TDY2E-0.3-GL	YG603	0.06~0.18	0.4~1.5	0.04~0.20	0~10
2mm	52000111	TDY2E-1.0-RG-YG602G/TDY2E-1.0-RG	YG602G	0.10~0.30	0.1~0.8	0.05~0.15	0~10
2mm	52000115	TDY2E-1.0-RG-YG603/TDY2E-1.0-RG	YG603	0.10~0.30	0.1~0.8	0.05~0.15	0~10
3mm	52000027	TDY3E-0.4-YG602G/TDY3E-0.4	YG602G	0.12~0.22	0.5~2.4	0.06~0.24	0~10
3mm	52000125	TDY3E-0.3-GL-YG602G/TDY3E-0.3-GL	YG602G	0.08~0.20	0.4~2	0.05~0.23	0~10
3mm	52000126	TDY3E-0.3-GL-YG603/TDY3E-0.3-GL	YG603	0.08~0.20	0.4~2	0.05~0.23	0~10
3mm	52000118	TDY3E-0.4-GM-YG602G/TDY3E-0.4-GM	YG602G	0.12~0.22	0.5~2.4	0.06~0.24	0~10
3mm	52000119	TDY3E-0.4-GM-YG603/TDY3E-0.4-GM	YG603	0.12~0.22	0.5~2.4	0.06~0.24	0~10
3mm	52000108	TDY3E-1.5-RG-YG602G/TDY3E-1.5-RG	YG602G	0.15~0.35	0.1~1.2	0.08~0.18	0~10
3mm	52000116	TDY3E-1.5-RG-YG603/TDY3E-1.5-RG	YG603	0.15~0.35	0.1~1.2	0.08~0.18	0~10
4mm	52000020	TDY4E-0.4-YG602G/TDY4E-0.4	YG602G	0.15~0.30	0.5~2.8	0.08~0.27	0~10
4mm	52000112	TDY4E-0.4-GL-YG602G/TDY4E-0.4-GL	YG602G	0.10~0.25	0.5~2.3	0.06~0.26	0~10
4mm	52000127	TDY4E-0.4-GL-YG603/TDY4E-0.4-GL	YG603	0.10~0.25	0.5~2.3	0.06~0.26	0~10
4mm	52000113	TDY4E-0.4-GM-YG602G/TDY4E-0.4-GM	YG602G	0.15~0.30	0.5~2.8	0.08~0.27	0~10
4mm	52000120	TDY4E-0.4-GM-YG603/TDY4E-0.4-GM	YG603	0.15~0.30	0.5~2.8	0.08~0.27	0~10
4mm	52000114	TDY4E-0.8-GM-YG602G/TDY4E-0.8-GM	YG602G	0.18~0.32	0.8~2.8	0.10~0.27	0~10
4mm	52000122	TDY4E-0.8-GM-YG603/TDY4E-0.8-GM	YG603	0.18~0.32	0.8~2.8	0.10~0.27	0~10
4mm	52000109	TDY4E-2.0-RG-YG602G/TDY4E-2.0-RG	YG602G	0.18~0.45	0.1~1.6	0.10~0.20	0~10
4mm	52000117	TDY4E-2.0-RG-YG603/TDY4E-2.0-RG	YG603	0.18~0.45	0.1~1.6	0.10~0.20	0~10
5 mm	52000082	TDY5E-0.4-YG602G/TDY5E-0.4	YG602G	0.15~0.30	0.5~3.2	0.08~0.23	0~10
5 mm	52000157	TDY5E-0.4-GL-YG602G/TDY5E-0.4-GL	YG602G	0.10~0.30	0.5~3	0.08~0.30	0~12.5
5 mm	52000158	TDY5E-0.4-GL-YG603/TDY5E-0.4-GL	YG603	0.10~0.30	0.5~3	0.08~0.30	0~12.5
5 mm	52000134	TDY5E-0.4-GM-YG602G/TDY5E-0.4-GM	YG602G	0.18~0.35	0.5~3	0.08~0.27	0~12.5

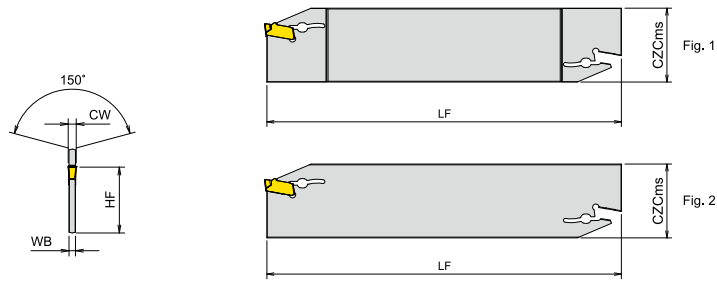
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Unit : mm

Size	EDP	Description	Grade	Turning		Parting & Grooving	
				Fn	Ap	Fn	CDX
5 mm	52000135	TDY5E-0.4-GM-YG603/TDY5E-0.4-GM	YG603	0.18~0.35	0.5~3	0.08~0.27	0~12.5
5 mm	52000148	TDY5E-0.8-GM-YG602G/TDY5E-0.8-GM	YG602G	0.18~0.37	0.8~3	0.10~0.27	0~12.5
5 mm	52000149	TDY5E-0.8-GM-YG603/TDY5E-0.8-GM	YG603	0.18~0.37	0.8~3	0.10~0.27	0~12.5
5 mm	52000166	TDY5E-2.5-RG-YG602G/TDY5E-2.5-RG	YG602G	0.20~0.50	0.1~2	0.12~0.23	0~12.5
5 mm	52000167	TDY5E-2.5-RG-YG603/TDY5E-2.5-RG	YG603	0.20~0.50	0.1~2	0.12~0.23	0~12.5
6 mm	52000063	TDXM6E-0.8-YG602G/TDXM6E-0.8	YG602G	0.18~0.42	1~3.6	0.12~0.35	0~12.5
6 mm	52000159	TDY6E-0.4-GL-YG602G/TDY6E-0.4-GL	YG602G	0.15~0.35	0.5~3.5	0.12~0.35	0~12.5
6 mm	52000160	TDY6E-0.4-GL-YG603/TDY6E-0.4-GL	YG603	0.15~0.35	0.5~3.5	0.12~0.35	0~12.5
6 mm	52000150	TDY6E-0.4-GM-YG602G/TDY6E-0.4-GM	YG602G	0.18~0.40	0.8~3.6	0.12~0.30	0~12.5
6 mm	52000153	TDY6E-0.4-GM-YG603/TDY6E-0.4-GM	YG603	0.18~0.40	0.8~3.6	0.12~0.30	0~12.5
6 mm	52000129	TDY6E-0.8-GM-YG602G/TDY6E-0.8-GM	YG602G	0.18~0.42	1~3.6	0.12~0.35	0~12.5
6 mm	52000154	TDY6E-0.8-GM-YG603/TDY6E-0.8-GM	YG603	0.18~0.42	1~3.6	0.12~0.35	0~12.5
6 mm	52000168	TDY6E-3.0-RG-YG602G/TDY6E-3.0-RG	YG602G	0.25~0.60	0.1~2.4	0.15~0.28	0~12.5
6 mm	52000169	TDY6E-3.0-RG-YG603/TDY6E-3.0-RG	YG603	0.25~0.60	0.1~2.4	0.15~0.28	0~12.5
8 mm	52000164	TDY8E-0.8-GL-YG602G/TDY8E-0.8-GL	YG602G	0.20~0.50	1~4.5	0.15~0.50	0~15
8 mm	52000165	TDY8E-0.8-GL-YG603/TDY8E-0.8-GL	YG603	0.20~0.50	1~4.5	0.15~0.50	0~15
8 mm	52000155	TDY8E-0.8-GM-YG602G/TDY8E-0.8-GM	YG602G	0.20~0.50	1~4.5	0.10~0.25	0~15
8 mm	52000156	TDY8E-0.8-GM-YG603/TDY8E-0.8-GM	YG603	0.20~0.50	1~4.5	0.10~0.25	0~15
8 mm	52000170	TDY8E-4.0-RG-YG602G/TDY8E-4.0-RG	YG602G	0.25~0.70	0.1~3.2	0.18~0.30	0~15
8 mm	52000171	TDY8E-4.0-RG-YG603/TDY8E-4.0-RG	YG603	0.25~0.70	0.1~3.2	0.18~0.30	0~15

Blade (Self-grip Type)



Unit : mm

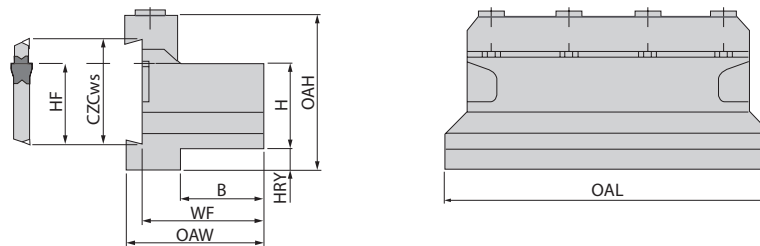
Size	EDP	Description	CW	H	HF	LF	WB	WB2	CUTDIA
2mm	57000845	YBS26-2	2	26	21.4	110	1.7	-	50
2mm	57000848	YBS32-2	2	32	25	150	2.4	1.7	52

Size	EDP	Description	CW	H	HF	LF	WB	WB2	CUTDIA
3mm	57000846	YBS26-3	3	26	21.4	110	2.4	-	72
3mm	57000842	YBS32-3	3	32	25	150	2.4	-	120

Size	EDP	Description	CW	H	HF	LF	WB	WB2	CUTDIA
4mm	57000847	YBS26-4	4	26	21.4	110	3.2	-	72
4mm	57000849	YBS32-4	4	32	25	150	3.2	-	120

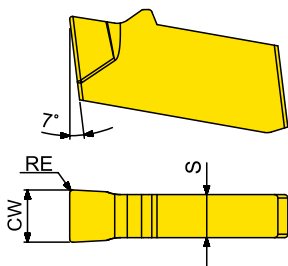
Size	EDP	Description	CW	H	HF	LF	WB	WB2	CUTDIA
5 mm	57000844	YBS32-5	5	32	25	150	4	-	120

Blade Block



Unit : mm

EDP	Description	HTPRM	H	B	HBH	OAH	WTHPRM	OAL	OAW
57000829	YGBL20-26	26	20	19	9	43	5	86	38
57000830	YGBL20-32	32	20	19	13	50	5	100	38
57000831	YGBL25-26	26	25	23	4	43	5	110	42
57000828	YGBL25-32	32	25	23	8	50	5	110	42



Unit :mm

Size	EDP	Description	Grade	Turning		Parting & Grooving	
				Fn	Ap	Fn	CDX
2mm	52000177	SGN2-020-YG602/SGN2-020	YG602	-	-	0.05~0.20	-
2mm	52000178	SGN2-020-YG603/SGN2-020	YG603	-	-	0.05~0.20	-
2mm	52000183	SGP2-020-YG602/SGP2-020	YG602	-	-	0.04~0.15	-
2mm	52000184	SGP2-020-YG603/SGP2-020	YG603	-	-	0.04~0.15	-
3mm	52000173	SGN3-020-YG602/SGN3-020	YG602	-	-	0.05~0.25	-
3mm	52000174	SGN3-020-YG603/SGN3-020	YG603	-	-	0.05~0.25	-
3mm	52000185	SGP3-020-YG602/SGP3-020	YG602	-	-	0.04~0.20	-
3mm	52000186	SGP3-020-YG603/SGP3-020	YG603	-	-	0.04~0.20	-
4mm	52000179	SGN4-030-YG602/SGN4-030	YG602	-	-	0.05~0.25	-
4mm	52000180	SGN4-030-YG603/SGN4-030	YG603	-	-	0.05~0.25	-
4mm	52000187	SGP4-025-YG602/SGP4-025	YG602	-	-	0.05~0.20	-
4mm	52000188	SGP4-025-YG603/SGP4-025	YG603	-	-	0.05~0.20	-
5 mm	52000181	SGN5-030-YG602/SGN5-030	YG602	-	-	0.05~0.25	-
5 mm	52000182	SGN5-030-YG603/SGN5-030	YG603	-	-	0.05~0.25	-
5 mm	52000175	SGP5-025-YG602/SGP5-025	YG602	-	-	0.05~0.20	-
5 mm	52000176	SGP5-025-YG603/SGP5-025	YG603	-	-	0.05~0.20	-