

快进给铣削系列  
MILLING TOOLS SERIES

**LNMU02 / LNMU03**



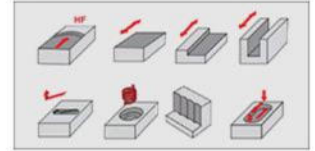
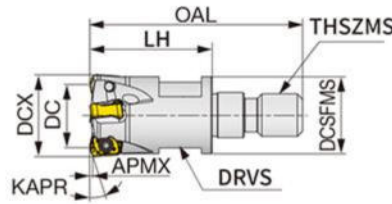
## TMHLN02

### 4刃双面刀片快进给锁牙铣刀头

High feed modular heads

LNMU02系列

LNMU02 Series



Designation 型号	CICT 齿数	Dimension (mm)/尺寸							KAPR 倾斜角	THSZMS 螺纹规格	INSERT 刀片
		APMX	DCX	DC	DCSFMS	OAL	LH	DRVS			
TMHLN02-108-M04	1	0.5	8	3.95	7.8	28	17	7	17°	M4xP0.7	LNMU02...
TMHLN02-109-M04	1	0.5	9	4.95	7.8	28	17	7	17°	M4xP0.7	LNMU02...
TMHLN02-210-M05	2	0.5	10	5.85	9	29	17	7	17°	M5xP0.8	LNMU02...
TMHLN02-211-M05	2	0.5	11	6.85	9	29	17	7	17°	M5xP0.8	LNMU02...
TMHLN02-312-M06	3	0.5	12	7.8	11	32	17	9	17°	M6xP1.0	LNMU02...
TMHLN02-313-M06	3	0.5	13	8.8	11	32	17	9	17°	M6xP1.0	LNMU02...
TMHLN02-314-M06	3	0.5	14	9.8	13	32	17	10	17°	M6xP1.0	LNMU02...
TMHLN02-315-M06	3	0.5	15	10.8	13	32	17	10	17°	M6xP1.0	LNMU02...
TMHLN02-314-M08	3	0.5	14	9.8	13	34.5	17	10	17°	M8xP1.25	LNMU02...
TMHLN02-315-M08	3	0.5	15	10.8	13	34.5	17	10	17°	M8xP1.25	LNMU02...
TMHLN02-416-M08	4	0.5	16	11.8	15	43	25	12	17°	M8xP1.25	
TMHLN02-417-M08	4	0.5	17	12.8	15	43	25	12	17°	M8xP1.25	

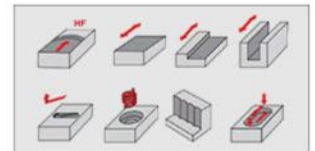
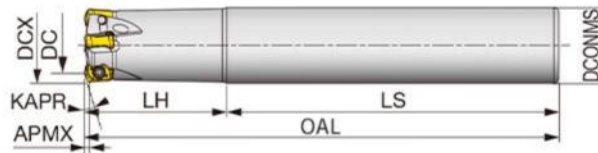
## TEHLN02

### 4刃双面刀片快进给铣刀杆

High Feed End Mills

LNMU02系列

LNMU02 Series



Designation 型号	CICT 齿数	Dimension (mm)/尺寸							KAPR 倾斜角	INSERT 刀片
		APMX	DCX	DC	DCONMS	OAL	LH	LS		
TEHLN02-108-10-100	1	0.5	8	3.61	10	100	17	83	17°	LNMU02...
TEHLN02-109-10-100	1	0.5	9	4.74	10	100	19	81	17°	LNMU02...
TEHLN02-210-10-100	2	0.5	10	5.85	10	100	22	78	17°	LNMU02...
TEHLN02-211-10-100	2	0.5	11	6.76	10	100	11	89	17°	LNMU02...
TEHLN02-312-12-80	3	0.5	12	7.68	12	80	26	54	17°	LNMU02...
TEHLN02-312-12-120	3	0.5	12	7.68	12	120	26	94	17°	LNMU02...
TEHLN02-313-12-80	3	0.5	13	8.68	12	80	13	67	17°	LNMU02...
TEHLN02-313-12-120	3	0.5	13	8.68	12	120	13	107	17°	LNMU02...
TEHLN02-314-14-120	3	0.5	14	9.51	14	120	30	90	17°	LNMU02...
TEHLN02-314-14-150	3	0.5	14	9.51	14	150	30	120	17°	LNMU02...
TEHLN02-315-14-120	3	0.5	15	10.43	14	120	15	105	17°	LNMU02...
TEHLN02-315-14-160	3	0.5	15	10.43	14	160	15	145	17°	LNMU02...
TEHLN02-416-16-120	4	0.5	16	11.35	16	120	35	85	17°	LNMU02...
TEHLN02-416-16-160	4	0.5	16	11.35	16	160	35	125	17°	LNMU02...
TEHLN02-417-16-120	4	0.5	17	12.27	16	120	17	103	17°	LNMU02...
TEHLN02-417-16-160	4	0.5	17	12.27	16	160	17	143	17°	LNMU02...

建议常规加工时切深采用0.3-0.35mm

刀片及备件相关信息请参照第M1-03页

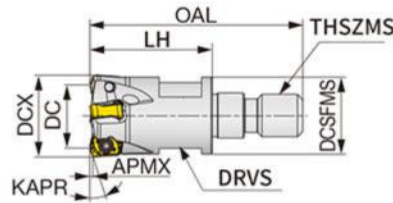
切削参数请参照第M1-04页

\*注意事项: 此页铣刀杆和锁牙铣刀头不能完全通装泰珂洛公司的LNMU02刀片

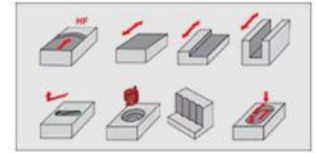
## TMHLN03

### 4刃双面刀片快进给锁牙铣刀头

High feed modular heads



LNMU03系列  
LNMU03 Series

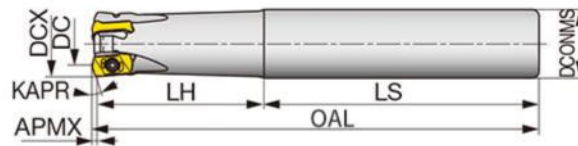


Designation 型号	CICT 齿数	APMX	DCX	Dimension (mm)/尺寸						KAPR 倾斜角	THSZMS 螺纹规格	INSERT 刀片
				DC	DCSFMS	OAL	LH	DRVS				
TMHLN03-216-M08	2	1	16	9.6	15	43	25	12	15°	M8xP1.25	LNMU03...	
TMHLN03-217-M08	2	1	17	10.5	15	43	25	12	17°	M8xP1.25	LNMU03...	
TMHLN03-318-M08	3	1	18	11.5	15	43	25	12	17°	M8xP1.25	LNMU03...	
TMHLN03-320-M10	3	1	20	13.5	19	49	29	15	17°	M10xP1.5	LNMU03...	
TMHLN03-322-M10	3	1	22	15.5	19	49	29	15	17°	M10xP1.5	LNMU03...	
TMHLN03-425-M12	4	1	25	18.5	24	57	35	19	17°	M12xP1.75	LNMU03...	
TMHLN03-426-M12	4	1	26	19.5	24	57	35	19	17°	M12xP1.75	LNMU03...	
TMHLN03-528-M12	5	1	28	21.5	24	57	35	19	17°	M12xP1.75	LNMU03...	
TMHLN03-532-M16	5	1	32	25.5	31	63	38	24	17°	M16xP2.0	LNMU03...	
TMHLN03-635-M16	6	1	35	28.5	31	63	38	24	17°	M16xP2.0	LNMU03...	

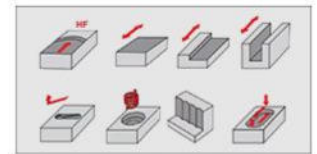
## TEHLN03

### 4刃双面刀片快进给铣刀杆

High Feed End Mills



LNMU03系列  
LNMU03 Series

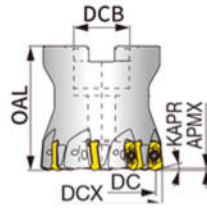


Designation 型号	CICT 齿数	APMX	DCX	Dimension (mm)/尺寸						KAPR 倾斜角	INSERT 刀片
				DC	DCONMS	OAL	LH	LS			
TEHLN03-216-16-100	2	1	16	9.6	16	100	30	70	17°	LNMU03...	
TEHLN03-216-16-120	2	1	16	9.6	16	120	30	90	17°	LNMU03...	
TEHLN03-216-16-150	2	1	16	9.6	16	150	30	120	17°	LNMU03...	
TEHLN03-217-16-100	2	1	17	10.5	16	100	20	80	17°	LNMU03...	
TEHLN03-217-16-120	2	1	17	10.5	16	120	20	100	17°	LNMU03...	
TEHLN03-217-16-150	2	1	17	10.5	16	150	20	130	17°	LNMU03...	
TEHLN03-320-20-100	3	1	20	13.5	20	100	30	70	17°	LNMU03...	
TEHLN03-320-20-130	3	1	20	13.5	20	130	50	80	17°	LNMU03...	
TEHLN03-320-20-160	3	1	20	13.5	20	160	50	110	17°	LNMU03...	
TEHLN03-321-20-130	3	1	21	14.5	20	130	35	95	17°	LNMU03...	
TEHLN03-321-20-160	3	1	21	14.5	20	160	35	125	17°	LNMU03...	
TEHLN03-425-25-100	4	1	25	18.5	25	100	37	63	17°	LNMU03...	
TEHLN03-425-25-140	4	1	25	18.5	25	140	60	80	17°	LNMU03...	
TEHLN03-425-25-200	4	1	25	18.5	25	200	60	140	17°	LNMU03...	
TEHLN03-426-25-140	4	1	26	19.5	25	140	30	110	17°	LNMU03...	
TEHLN03-426-25-200	4	1	26	19.5	25	200	30	170	17°	LNMU03...	
TEHLN03-530-25-150	5	1	30	23.5	25	150	30	120	17°	LNMU03...	
TEHLN03-532-32-150	5	1	32	25.5	32	150	70	80	17°	LNMU03...	
TEHLN03-532-32-200	5	1	32	25.5	32	200	70	130	17°	LNMU03...	
TEHLN03-533-32-150	5	1	33	26.5	32	150	30	120	17°	LNMU03...	
TEHLN03-533-32-200	5	1	33	26.5	32	200	30	170	17°	LNMU03...	
TEHLN03-635-32-160	6	1	35	28.5	32	160	40	120	17°	LNMU03...	
TEHLN03-635-32-200	6	1	35	28.5	32	150	40	110	17°	LNMU03...	

## TFHLN03

### 4刃双面刀片快进给铣刀盘

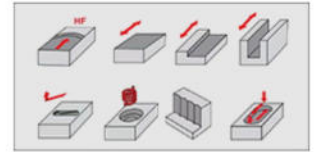
High Feed Face Mills



C.H. 冷却孔

LNMU03系列

LNMU03 Series

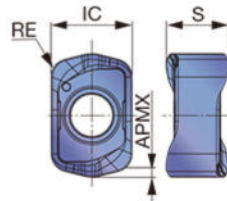


Designation 型号	CICT 齿数	Dimension (mm)/尺寸						KAPR /倾斜角	INSERT /刀片
		APMX	DCX	DC	DCB	OAL	C.H.		
TFHLN03-635-16	6	1	35	28.6	16	40	NO	17°	LNMU03...
TFHLN03-635-16-C	6	1	35	28.6	16	40	YES	17°	LNMU03...
TFHLN03-640-16	6	1	40	33.6	16	40	NO	17°	LNMU03...
TFHLN03-640-16-C	6	1	40	33.6	16	40	YES	17°	LNMU03...
TFHLN03-645-16	6	1	45	38.6	16	40	NO	17°	LNMU03...
TFHLN03-645-16-C	6	1	45	38.6	16	40	YES	17°	LNMU03...
TFHLN03-850-22	8	1	50	43.6	22	40	NO	17°	LNMU03...
TFHLN03-850-22-C	8	1	50	43.6	22	40	YES	17°	LNMU03...
TFHLN03-855-22	8	1	55	48.6	22	40	NO	17°	LNMU03...
TFHLN03-855-22-C	8	1	55	48.6	22	40	YES	17°	LNMU03...
TFHLN03-863-22	8	1	63	56.6	22	40	NO	17°	LNMU03...
TFHLN03-863-22-C	8	1	63	56.6	22	40	YES	17°	LNMU03...
TFHLN03-1070-22	10	1	70	63.6	22	40	NO	17°	LNMU03...
TFHLN03-1070-22-C	10	1	70	63.6	22	40	YES	17°	LNMU03...
TFHLN03-1080-27	10	1	80	73.6	27	50	NO	17°	LNMU03...
TFHLN03-1080-27-C	10	1	80	73.6	27	50	YES	17°	LNMU03...

## LNMU0202

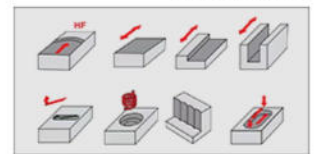
### 4刃双面快进给铣刀片

High Feed Milling Inserts



LNMU02系列

LNMU02 Series

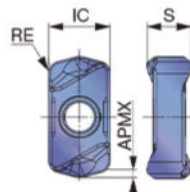


Designation 型号	Dimension (mm)/尺寸						Grade/材质		
	IC/大小	S/厚度	RE/圆角	APMX/最大切深	Screw/螺丝	Wrench/扳手	SH1125	SH2025+	
LNMU0202ER-MM	4	3.1	0.9	0.5	TSA-18040-1	TWA-T6	●	●	

## LNMU0303

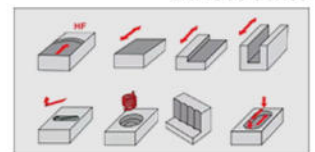
### 4刃双面快进给铣刀片

High Feed Milling Inserts



LNMU03系列

LNMU03 Series



Designation 型号	Dimension (mm)/尺寸						Grade/材质		
	IC/大小	S/厚度	RE/圆角	APMX/最大切深	Screw/螺丝	Wrench/扳手	SH1125	SH2025+	
LNMU0303ER-MJ	6	4.3	1.2	1	TSA-25070-1	TWA-T8	●	●	

# LNMU快进给系列

## LNMU High Feed Series

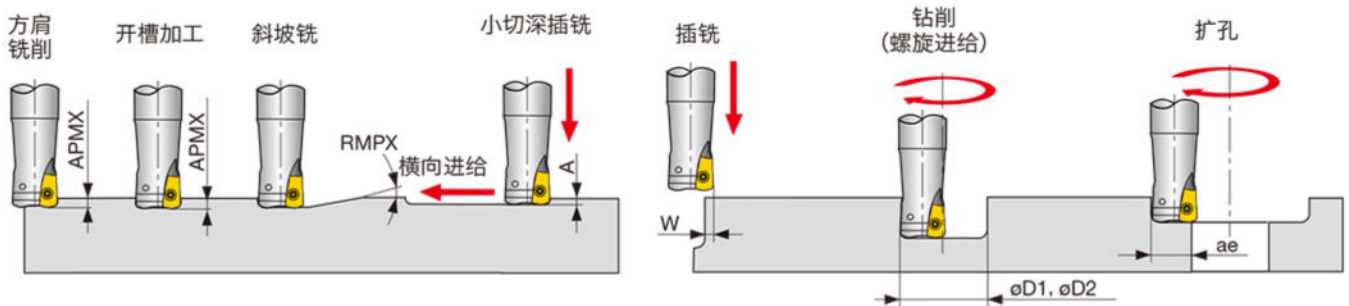
### 切削参数 / Cutting Conditions

ISO	Material/工件材料	Hardness/硬度	Vc (m/min)/切削速度		fz (mm/t)/每齿进给量		Plunging/插铣	
			LNMU02	LNMU03	LNMU02	LNMU03	LNMU02	LNMU03
P	碳钢 S45C, S55C ... C45, C55 ...	-300HB	100-300	100-300	0.2-1.2	0.5-1.5	0.06	0.1
	合金钢 SCM440, SCr415 ... 42CrMo4 ...	-300HB	100-300	100-300	0.2-1.2	0.5-1.5	0.06	0.1
	预硬化钢 NAK80, PX5 ...	30-40HRC	100-200	100-200	0.2-0.8	0.5-1.0	0.06	0.1
M	不锈钢 SUS304, SUS316 ... X5CrNi18-9 X5CrNiMo17-12-2 ...	-200HB	100-150	80-150	0.2-0.8	0.3-0.8	0.06	0.1
K	灰铸铁 FC250, FC300 ... 250, 300 ...	150-250HB	100-300	100-300	0.2-1.2	0.5-1.5	0.06	0.1
	球墨铸铁 FCD400 ... 400-15, 600-3 ...	150-250HB	80-200	80-200	0.2-1.2	0.5-1.5	0.06	0.1
S	钛合金 Ti-6Al-4V ...	-40HRC	30-60	30-60	0.2-0.7	0.3-0.7	0.05	0.08
	耐热合金 Inconel, Hastelloy...	-40HRC	20-50	20-50	0.1-0.3	0.1-0.3	0.03	0.05
H	淬火钢	SKD61 ... X40CrMoV5-1 ...	40-50HRC	80-150	0.1-0.5	0.1-0.5	0.03	0.05
		SKD11 ... X153CrMoV12...	50-60HRC	50-70	50-70	0.1-0.3	0.03-0.2	0.03

### 编程时的注意事项

当使用CAM软件编程时，该刀具应设置成圆角刀具，LNMU02刀片通常圆角最大设定值为R=1mm，最大切深0.5mm，常规使用建议0.3-0.35mm；LNMU03刀片通常圆角最大设定值为R=1.5mm，最大切深1mm，常规使用建议0.6-0.7mm。如果圆角设置过大会出现过切的情况。

### 加工应用数据



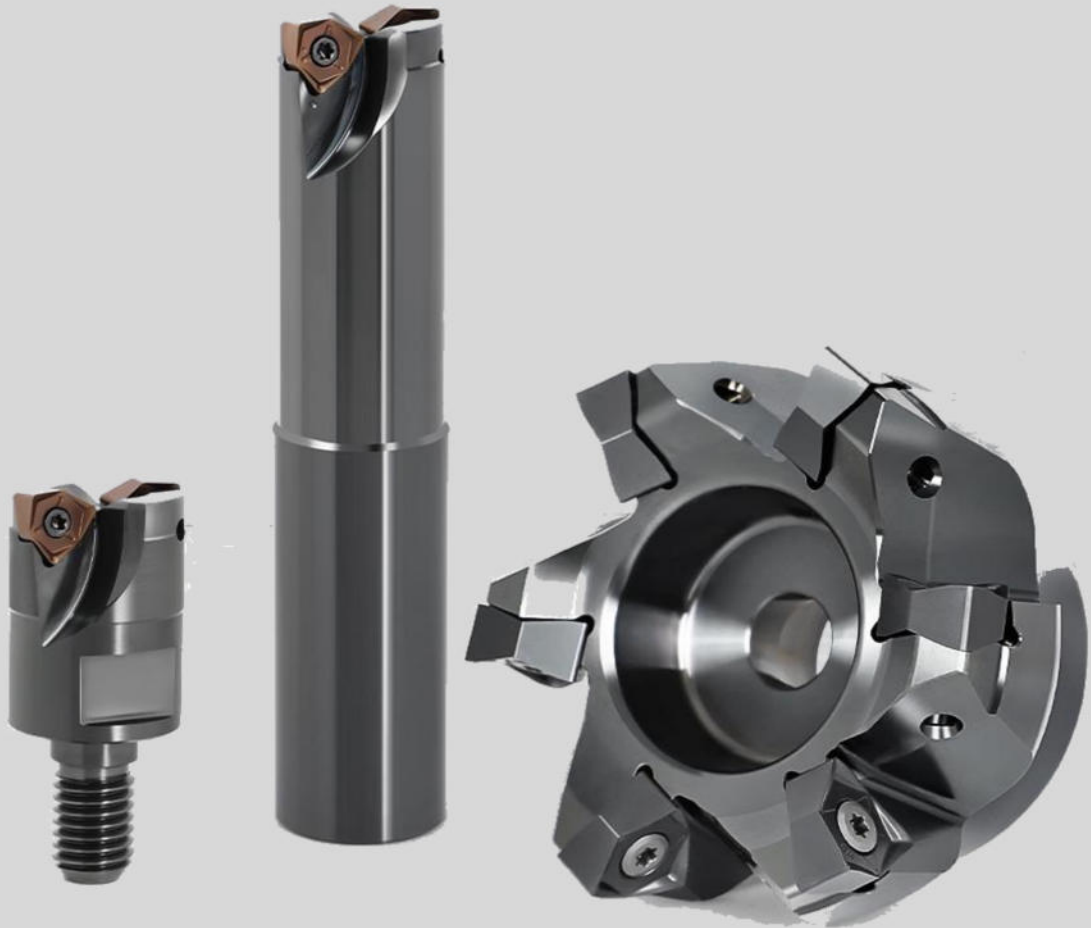
型号 LNMU02刀片	DCX	APMX 最大切深	RMPX 最大斜坡铣角度	A 最大插铣深度	W 最大插铣宽度	D1 最小加工孔径	D2 最大加工孔径	ae 扩孔最大切宽
TEHLN02-108-10...	8	0.5	1.07	0.15	2	10	13.2	5.87
TEHLN02-210-10...	10	0.5	2.8	0.15	2	13.8	17	7.82
TEHLN02-312-12...	12	0.5	1.9	0.15	2	17.8	21	9.81
TEHLN02-416-16...	16	0.5	1.2	0.15	2	25.8	29	13.8

型号 LNMU03刀片	DCX	APMX 最大切深	RMPX 最大斜坡铣角度	A 最大插铣深度	W 最大插铣宽度	D1 最小加工孔径	D2 最大加工孔径	ae 扩孔最大切宽
TEHLN03-216-16...	16	1	2.1°	0.3	3.5	22	30	12.5
TEHLN03-217-16...	17	1	1.7°	0.3	3.5	24	32	13.5
TEHLN03-320-20...	20	1	1.3°	0.3	3.5	30	38	16.5
TEHLN03-425-25...	25	1	1.0°	0.3	3.5	40	48	21.5
TEHLN03-532-32...	32	1	0.7°	0.3	3.5	54	62	28.5
TFHLN03-640...	40	1	0.5°	0.3	3.5	70	78	36.5
TFHLN03-850...	50	1	0.4°	0.3	3.5	90	98	46.5



**WNMU04 / WNMU05**  
**WNMU06 / WNMU08**  
**ZNMU08**

MILLING TOOLS SERIES



# TE90WN04

## 6刃双面低阻力清角铣刀杆

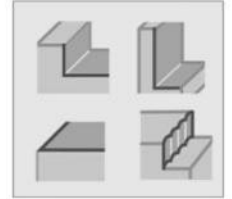
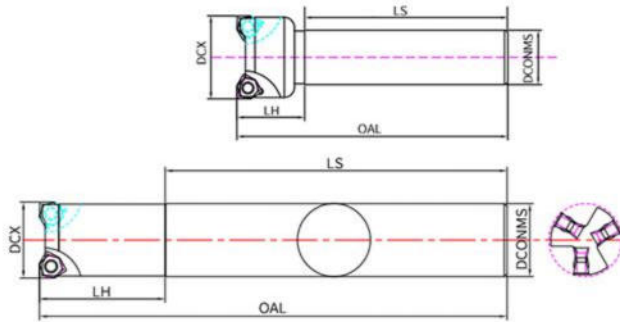
Low Resistance End Mill Cutter

WNMU04系列

WNMU04 Series



车铣复合机床  
专用刀杆



Designation 型号	CICT 齿数	Dimension (mm)/尺寸							INSERT 刀片
		APMX	DCX	DC	DCONMS	OAL	LH	LS	
TE90WN04-216-16-80-MT	2	4	16	16	16	80	20	60	WNMU04...
TE90WN04-217-16-80-MT	2	4	17	17	16	80	20	60	WNMU04...
TE90WN04-218-16-80-MT	2	4	18	18	16	80	20	60	WNMU04...
TE90WN04-219-16-80-MT	2	4	19	19	16	80	20	60	WNMU04...
TE90WN04-320-16-80-MT	3	4	20	20	16	80	20	60	WNMU04...
TE90WN04-321-32-80-MT	3	4	21	21	16	80	20	60	WNMU04...
TE90WN04-322-16-80-MT	3	4	22	22	16	80	20	60	WNMU04...
TE90WN04-323-16-80-MT	3	4	23	23	16	80	20	60	WNMU04...
TE90WN04-324-16-80-MT	3	4	24	24	16	80	20	60	WNMU04...
TE90WN04-325-16-80-MT	3	4	25	25	16	80	20	60	WNMU04...
TE90WN04-326-16-80-MT	3	4	26	26	16	80	20	60	WNMU04...
TE90WN04-428-16-80-MT	4	4	28	28	16	80	20	60	WNMU04...
TE90WN04-430-16-80-MT	4	4	30	30	16	80	20	60	WNMU04...
TE90WN04-432-16-80-MT	4	4	32	32	16	80	20	60	WNMU04...
TE90WN04-535-16-80-MT	5	4	35	35	16	80	20	60	WNMU04...
TE90WN04-540-16-80-MT	5	4	40	40	16	80	20	60	WNMU04...
TE90WN04-216-16-120	2	4	16	16	16	120	35	85	WNMU04...
TE90WN04-216-16-160	2	4	16	16	16	160	35	125	WNMU04...
TE90WN04-216-16-200	2	4	16	16	16	200	35	165	WNMU04...
TE90WN04-217-16-120	2	4	17	17	16	120	17	103	WNMU04...
TE90WN04-217-16-160	2	4	17	17	16	160	17	143	WNMU04...
TE90WN04-217-16-200	2	4	17	17	16	200	22	178	WNMU04...
TE90WN04-320-20-120	3	4	20	20	20	120	44	76	WNMU04...
TE90WN04-320-20-160	3	4	20	20	20	160	44	116	WNMU04...
TE90WN04-320-20-200	3	4	20	20	20	200	44	156	WNMU04...
TE90WN04-321-20-120	3	4	21	21	20	120	21	99	WNMU04...
TE90WN04-321-20-160	3	4	21	21	20	160	21	139	WNMU04...
TE90WN04-321-20-200	3	4	21	21	20	200	22	178	WNMU04...
TE90WN04-325-25-120	3	4	25	25	25	120	55	65	WNMU04...
TE90WN04-325-25-160	3	4	25	25	25	160	55	105	WNMU04...
TE90WN04-325-25-200	3	4	25	25	25	200	55	145	WNMU04...
TE90WN04-326-25-120	3	4	26	26	25	120	26	94	WNMU04...
TE90WN04-326-25-160	3	4	26	26	25	160	26	134	WNMU04...
TE90WN04-326-25-200	3	4	26	26	25	200	26	174	WNMU04...
TE90WN04-432-32-120	4	4	32	32	32	120	64	56	WNMU04...
TE90WN04-432-32-160	4	4	32	32	32	160	70	96	WNMU04...
TE90WN04-432-32-200	4	4	32	32	32	200	70	130	WNMU04...
TE90WN04-433-32-120	4	4	33	33	32	120	33	87	WNMU04...
TE90WN04-433-32-160	4	4	33	33	32	160	33	127	WNMU04...
TE90WN04-433-32-200	4	4	33	33	32	200	33	167	WNMU04...

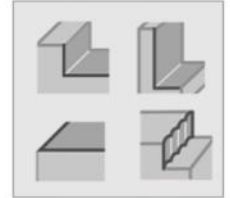
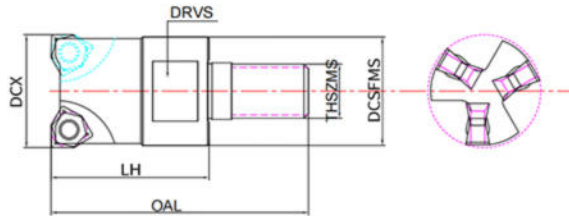
## TM90WN04

### 6刃双面低阻力清角锁牙头

Low Resistance Modular Head

WNMU04系列

WNMU04 Series



Designation 型号	CICT 齿数	Dimension (mm)/尺寸							THSZMS 螺纹规格	INSERT 刀片
		APMX	DCX	DC	DCSFMS	OAL	LH	DRVS		
TM90WN04-216-M08	2	4	16	16	15	43	25	12	M8xP1.25	WNMU04...
TM90WN04-217-M08	2	4	17	17	15	43	25	12	M8xP1.25	WNMU04...
TM90WN04-320-M10	3	4	20	20	19	49	29	15	M10xP1.5	WNMU04...
TM90WN04-321-M10	3	4	21	21	19	49	29	15	M10xP1.5	WNMU04...
TM90WN04-325-M12	3	4	25	25	24	57	35	19	M12xP1.75	WNMU04...
TM90WN04-326-M12	3	4	26	26	24	57	35	19	M12xP1.75	WNMU04...
TM90WN04-432-M16	4	4	32	32	31	63	38	24	M16xP2.0	WNMU04...
TM90WN04-433-M16	4	4	33	33	31	63	38	24	M16xP2.0	WNMU04...
TM90WN04-435-M16	4	4	35	35	31	63	38	24	M16xP2.0	WNMU04...

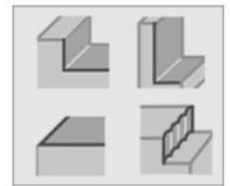
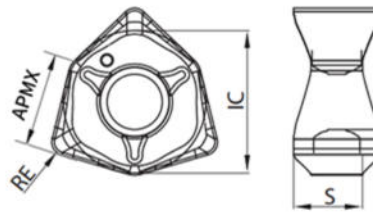
## WNMU04/06

### 6刃双面低阻力清角铣刀片

Low Resistance Milling Inserts

WNMU04/06系列

WNMU04/06 Series



Designation 型号	Dimension (mm)/尺寸						Grade/材质	
	IC/大小	S/厚度	RE/圆角	APMX/最大切深	Screw/螺丝	Wrench/扳手	SH1125	SH2025+
WNMU040304-GM	6.70	3.31	0.4	4	TSA-25060-1	TWA-T8	○	○
WNMU060408-GM	11.66	4	0.8	6	TSA-35100-1	TWA-T15	○	○

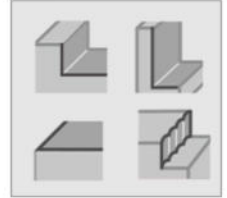
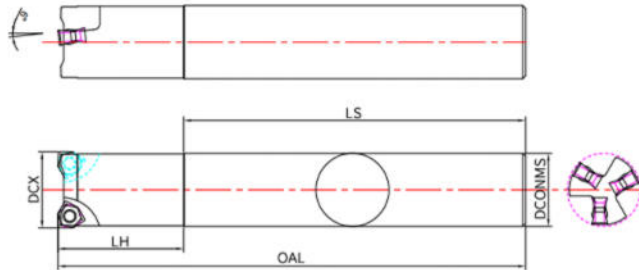
## TE90WN06

### 6刃双面低阻力清角铣刀杆

Low Resistance End Mill Cutter

WNMU06系列

WNMU06 Series



Designation 型号	CICT 齿数	Dimension (mm)/尺寸							INSERT 刀片
		APMX	DCX	DC	DCONMS	OAL	LH	LS	
TE90WN06-225-25-120	2	6	25	25	25	120	55	65	WNMU06...
TE90WN06-225-25-160	2	6	25	25	25	160	55	105	WNMU06...
TE90WN06-225-25-200	2	6	25	25	25	200	55	145	WNMU06...
TE90WN06-226-25-160	2	6	26	26	25	160	26	134	WNMU06...
TE90WN06-226-25-200	2	6	26	26	25	200	26	174	WNMU06...
TE90WN06-332-32-160	3	6	32	32	32	160	70	90	WNMU06...
TE90WN06-332-32-200	3	6	32	32	32	200	70	130	WNMU06...
TE90WN06-333-32-160	3	6	33	33	32	160	33	127	WNMU06...
TE90WN06-333-32-200	3	6	33	33	32	200	33	167	WNMU06...

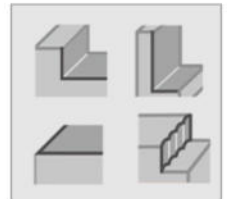
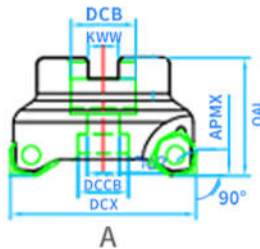
## TF90WN06

### 6刃双面低阻力清角铣刀盘

Low Resistance Milling Cutter

WNMU06系列

WNMU06 Series



Designation 型号	CICT 齿数	Dimension (mm)/尺寸							Angel 角度	INSERT 刀片
		APMX	DCX	DCB	OAL	DCCB	KWW	TYPE		
TF90WN06-440-16	4	6	40	16	40	14	8.4	A	90°	WNMU06...
TF90WN06-550-22	5	6	50	22	40	17	10.4	A	90°	WNMU06...
TF90WN06-663-22	6	6	63	22	40	17	10.4	A	90°	WNMU06...
TF90WN06-880-27	8	6	80	27	50	34	12.4	A	90°	WNMU06...

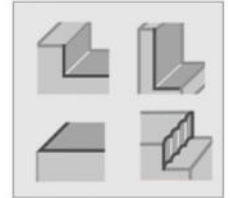
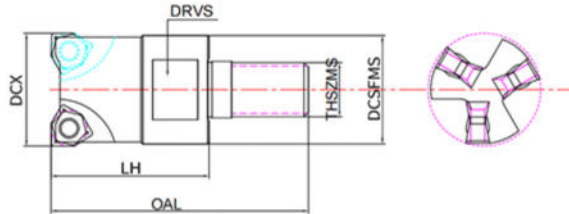
## TM90WN05

### 6刃双面刀片90度低阻力锁牙铣刀头

Low Resistance Modular heads

WNMU05系列

WNMU05 Series



Designation 型号	CICT 齿数	Dimension (mm)/尺寸							Angel 角度	INSERT 刀片
		APMX	DCX	LH	OAL	DCSFMS	DRVS	THSZMS		
TM90WN05-225-M12	2	5	25	35	57	24	19	M12	90°	WNMU05...
TM90WN05-226-M12	2	5	26	36	57	24	19	M12	90°	WNMU05...
TM90WN05-332-M16	3	5	32	38	63	31	24	M16	90°	WNMU05...
TM90WN05-333-M16	3	5	33	38	63	31	24	M16	90°	WNMU05...
TM90WN05-435-M16	4	5	35	38	63	31	24	M16	90°	WNMU05...

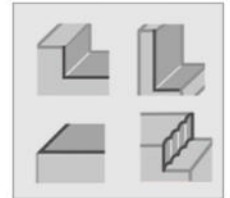
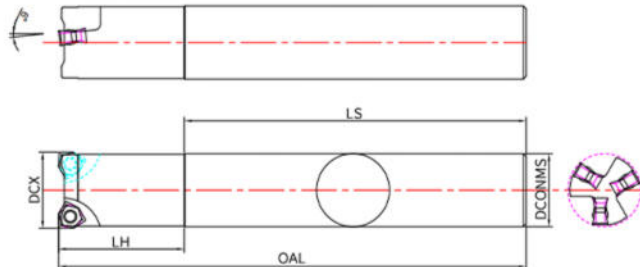
## TE90WN05

### 6刃双面刀片90度低阻力铣刀杆

Low Resistance End Mills

WNMU05系列

WNMU05 Series



Designation 型号	CICT 齿数	Dimension (mm)/尺寸							Angel 角度	INSERT 刀片
		APMX	DCX	DC	DCONMS	OAL	LH	LS		
TE90WN05-225-25-120	2	5	25	25	25	120	55	65	90°	WNMU05...
TE90WN05-225-25-160	2	5	25	25	25	160	55	105	90°	WNMU05...
TE90WN05-226-25-120	2	5	26	26	25	120	26	94	90°	WNMU05...
TE90WN05-226-25-160	2	5	26	26	25	160	26	134	90°	WNMU05...
TE90WN05-226-25-200	2	5	26	26	25	200	26	174	90°	WNMU05...
TE90WN05-332-32-160	3	5	32	32	32	160	70	90	90°	WNMU05...
TE90WN05-332-32-200	3	5	32	32	32	200	70	130	90°	WNMU05...
TE90WN05-333-32-160	3	5	33	33	32	160	33	127	90°	WNMU05...
TE90WN05-333-32-200	3	5	33	33	32	200	33	167	90°	WNMU05...

## TF90WN08

### 6刃双面刀片90度低阻力面铣刀盘

Low Resistance Face Mills

WNMU08系列

WNMU08 Series

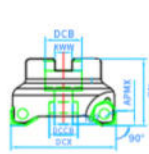


Fig.1

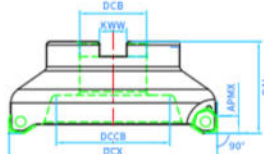


Fig.2

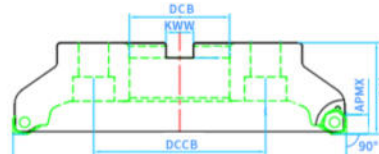
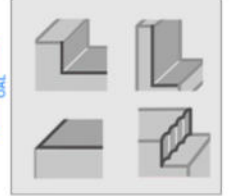


Fig.3



Designation 型号	CIC 齿数	Dimension (mm)/尺寸							Angel 角度	INSERT 刀片
		APMX	DCX	KWW	DCB	OAL	DCCB	Type		
TF90WN05-440-16	5	5	40	8.4	16	40	14	Fig.1	90°	WNMU05...
TF90WN05-550-22	5	5	50	10.4	22	40	17	Fig.1	90°	WNMU05...
TF90WN05-663-22	6	5	63	10.4	22	40	17	Fig.1	90°	WNMU05...
TF90WN05-880-27	8	5	80	12.4	27	50	34	Fig.1	90°	WNMU05...
TF90WN08-450-22	4	8	50	10.4	22	40	17	Fig.1	90°	WNMU08...
TF90WN08-563-22	5	8	63	10.4	22	40	17	Fig.1	90°	WNMU08...
TF90WN08-680-27	6	8	80	12.4	27	50	34	Fig.1	90°	WNMU08...
TF90WN08-7100-32	7	8	100	14.4	32	50	42	Fig.1	90°	WNMU08...
TF90WN08-8125-40	8	8	125	16.4	40	63	-	Fig.2	90°	WNMU08...
TF90WN08-10160-40	10	8	160	16.4	40	63	-	Fig.2	90°	WNMU08...
TF90WN08-12200-60	12	8	200	25.7	60	63	101.6	Fig.3	90°	WNMU08...
TF90WN08-14250-60	14	8	250	25.7	60	63	101.6	Fig.3	90°	WNMU08...

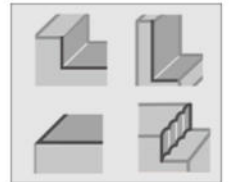
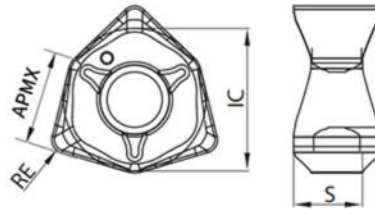
## WNMU080608

### 6刃双面低阻力清角铣刀片

Low Resistance Face Mill Inserts

WNMU08系列

WNMU08 Series



Designation 型号	Dimension (mm)/尺寸						Grade/材质	
	IC/大小	S/厚度	RE/圆角	APMX/最大切深	Screw/螺丝	Wrench/扳手	SH1125	SH2025+
WNMU080608-GM	14.0	6.7	0.8	8	TSA-50120-1	TWA-T15	○	○

可插铣, 最大横切深 (ae) 8mm

刀盘相关信息请参照第M2-02页

○ 开发中

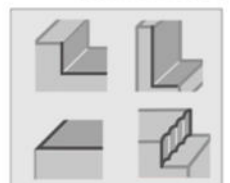
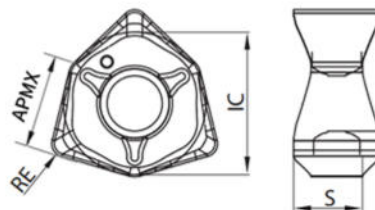
## WNMU050408

### 6刃双面低阻力清角铣刀片

Low Resistance Face Mill Inserts

WNMU05系列

WNMU05 Series



Designation 型号	Dimension (mm)/尺寸						Grade/材质	
	IC/大小	S/厚度	RE/圆角	APMX/最大切深	Screw/螺丝	Wrench/扳手	SH1125	SH2025+
WNMU050408-GM	8.8	4.2	0.8	5	TSA-30064-1	TWA-T8	○	○

可插铣, 最大横切深 (ae) 5mm

刀盘相关信息请参照第M2-02页, 锁牙铣刀头、铣刀杆相关信息请参照第M2-01页

○ 开发中

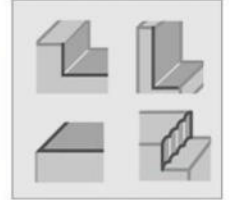
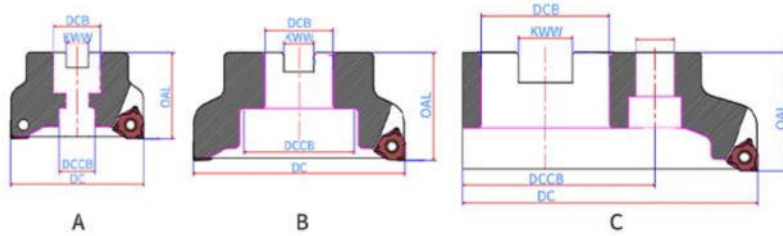
## TF90ZN08

### 6刃双面低阻力清角铣刀盘

Low Resistance Milling Cutter

ZNMU08系列

ZNMU08 Series



Designation 型号	CICT 齿数	Dimension (mm)/尺寸							Angel 角度	INSERT 刀片
		APMX	DC	DCB	OAL	DCCB	KWW	Type		
TF90ZN08-450-22	4	7.3	50	22	40	17	10.4	A	90°	ZNMU08...
TF90ZN08-563-22	5	7.3	63	22	40	17	10.4	A	90°	ZNMU08...
TF90ZN08-680-27	6	7.3	80	27	50	34	12.4	A	90°	ZNMU08...
TF90ZN08-7100-32	7	7.3	100	32	50	42	14.4	A	90°	ZNMU08...
TF90ZN08-8125-40	8	7.3	125	40	55	50	16.4	B	90°	ZNMU08...
TF90ZN08-10160-40	10	7.3	160	40	55	80	16.4	B	90°	ZNMU08...
TF90ZN08-12200-60	12	7.3	200	60	55	101.6	25.8	C	90°	ZNMU08...
TF90ZN08-14250-60	14	7.3	250	60	55	101.6	25.8	C	90°	ZNMU08...

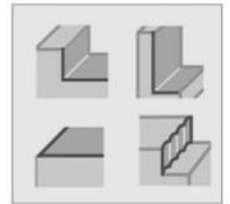
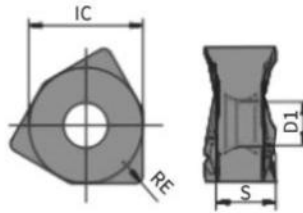
## ZNMU0806

### 6刃双面低阻力清角铣刀片

Milling Inserts

ZNMU08系列

ZNMU08 Series



Designation 型号	IC/大小	S/厚度	RE/圆角	Dimension (mm)/尺寸				Grade/材质	
				APMX/最大切深	D1/螺丝孔径	Screw/螺丝	Wrench/扳手	SH1125	SH2025+
ZNMU080608-GM	12	6.35	0.8	7.3	4.60	TSA-40100-1	TWA-T15	○	○

○ 开发中

# WNMU080608

6刃双面低阻力铣刀片  
Low Resistance Face Mill Inserts

WNMU08系列  
WNMU08 Series

## 切削参数 / Cutting Conditions

ISO	Material/工件材料	Hardness/硬度	Vc (m/min)/切削速度	fz (mm/t)/每齿进给量	
P	碳钢 S45C, S55C ... C45, C55 ...	-300HB	120-250	0.1-0.3	
	合金钢 SCM440, SCr415 ... 42CrMo4 ...	-300HB	100-220	0.1-0.3	
	预硬化钢 NAK80, PX5 ...	30-40HRC	80-180	0.1-0.25	
M	不锈钢 SUS304, SUS316 ... X5CrNi18-9 X5CrNiMo17-12-2 ...	-200HB	100-250	0.1-0.25	
K	灰铸铁 FC250, FC300 ... 250, 300 ...	150-250HB	120-250	0.1-0.3	
	球墨铸铁 FCD400 ... 400-15, 600-3 ...	150-250HB	100-200	0.1-0.3	
S	钛合金 Ti-6Al-4V ...	-40HRC	20-50	0.1-0.2	
	耐热合金 Inconel, Hastelloy...	-40HRC	20-50	0.1-0.2	
H	淬火钢	SKD61 ... X40CrMoV5-1 ...	40-50HRC	80-150	0.1-0.2
		SKD11 ... X153CrMoV12...	50-60HRC	50-70	0.1-0.2

# WNMU050408

6刃双面低阻力铣刀片  
Low Resistance Face Mill Inserts

WNMU05系列  
WNMU05 Series

## 切削参数 / Cutting Conditions

ISO	Material/工件材料	Hardness/硬度	Vc (m/min)/切削速度	fz (mm/t)/每齿进给量	
P	碳钢 S45C, S55C ... C45, C55 ...	-300HB	120-250	0.1-0.25	
	合金钢 SCM440, SCr415 ... 42CrMo4 ...	-300HB	100-220	0.1-0.2	
	预硬化钢 NAK80, PX5 ...	30-40HRC	80-180	0.1-0.2	
M	不锈钢 SUS304, SUS316 ... X5CrNi18-9 X5CrNiMo17-12-2 ...	-200HB	100-250	0.1-0.2	
K	灰铸铁 FC250, FC300 ... 250, 300 ...	150-250HB	120-250	0.1-0.25	
	球墨铸铁 FCD400 ... 400-15, 600-3 ...	150-250HB	100-200	0.1-0.2	
S	钛合金 Ti-6Al-4V ...	-40HRC	20-50	0.1-0.2	
	耐热合金 Inconel, Hastelloy...	-40HRC	20-50	0.1-0.2	
H	淬火钢	SKD61 ... X40CrMoV5-1 ...	40-50HRC	80-150	0.1-0.2
		SKD11 ... X153CrMoV12...	50-60HRC	50-70	0.1-0.2

MILLING TOOLS SERIES

**4NKT04 / 4NKT06**



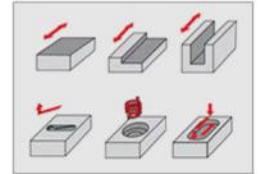
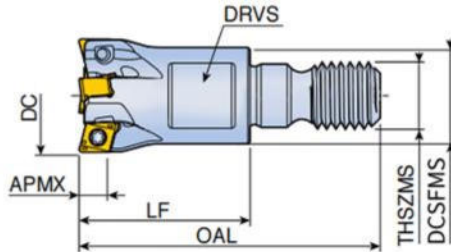
## TM904N04

### 4刃双面刀片大切深清角锁牙铣刀头

High Ramping Modular Heads

4NKT04系列

4NKT04 Series



Designation 型号	CICT 齿数	APMX	DCX	Dimension (mm)/尺寸					THSZMS 螺纹规格	INSERT 刀片
				DC	DCSFMS	OAL	LF	DRVS		
TM904N04-108-M04	1	3.5	8	8	7.8	28	17	7	M4xP0.7	4NKT04...
TM904N04-109-M04	1	3.5	9	9	7.8	28	17	7	M4xP0.7	4NKT04...
TM904N04-210-M05	2	3.5	10	10	9	29	17	7	M5xP0.8	4NKT04...
TM904N04-211-M05	2	3.5	11	11	9	29	17	7	M5xP0.8	4NKT04...
TM904N04-312-M06	3	3.5	12	12	11	32	17	9	M6xP1.0	4NKT04...
TM904N04-313-M06	3	3.5	13	13	11	32	17	9	M6xP1.0	4NKT04...
TM904N04-314-M06	3	3.5	14	14	13	32	17	10	M6xP1.0	4NKT04...
TM904N04-315-M06	3	3.5	15	15	13	32	17	10	M6xP1.0	4NKT04...
TM904N04-314-M08	3	3.5	14	14	13	34.5	17	10	M8xP1.25	4NKT04...
TM904N04-315-M08	3	3.5	15	15	13	34.5	17	10	M8xP1.25	4NKT04...
TM904N04-416-M08	4	3.5	16	16	15	43	25	12	M8xP1.25	4NKT04...
TM904N04-417-M08	4	3.5	17	17	15	43	25	12	M8xP1.25	4NKT04...

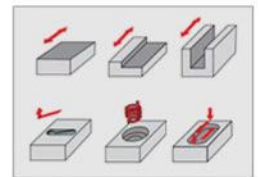
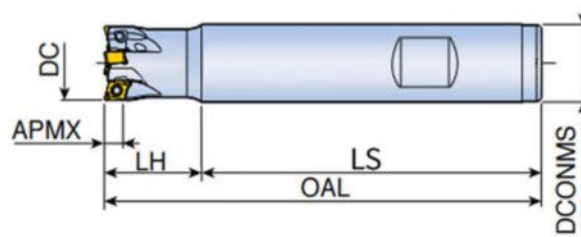
## TE904N04

### 4刃双面刀片大切深清角铣刀杆

High Ramping End Mills

4NKT04系列

4NKT04 Series



Designation 型号	CICT 齿数	APMX	DCX	Dimension (mm)/尺寸					INSERT 刀片
				DC	DCONMS	OAL	LH	LS	
TE904N04-107-10-80	1	3.5	7	7	10	80	15	65	4NKT04...
TE904N04-108-10-80	1	3.5	8	8	10	80	17	63	4NKT04...
TE904N04-109-10-80	1	3.5	9	9	10	80	19	61	4NKT04...
TE904N04-210-10-80	2	3.5	10	10	10	80	22	58	4NKT04...
TE904N04-211-10-80	2	3.5	11	11	10	80	11	69	4NKT04...
TE904N04-312-12-80	3	3.5	12	12	12	80	26	54	4NKT04...
TE904N04-313-12-80	3	3.5	13	13	12	80	13	67	4NKT04...
TE904N04-314-14-100	3	3.5	14	14	14	100	30	70	4NKT04...
TE904N04-315-14-100	3	3.5	15	15	14	100	15	85	4NKT04...
TE904N04-416-16-120	4	3.5	16	16	16	120	35	85	4NKT04...
TE904N04-417-16-120	4	3.5	17	17	16	120	17	103	4NKT04...

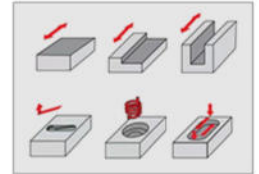
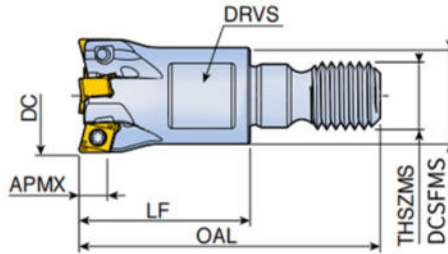
## TM904N06

### 4刃双面刀片大切深清角锁牙铣刀头

High Ramping Modular Heads

4NKT06系列

4NKT06 Series



Designation 型号	CICT 齿数	Dimension (mm)/尺寸							THSZMS 螺纹规格	INSERT 刀片
		APMX	DCX	DC	DCSFMS	OAL	LF	DRV5		
TM904N06-216-M08	2	6	16	16	15	43	25.5	12	M8xP1.25	4NKT06...
TM904N06-217-M08	2	6	17	17	15	43	25.5	12	M8xP1.25	4NKT06...
TM904N06-320-M10	3	6	20	20	19	49	29	15	M10xP1.5	4NKT06...
TM904N06-321-M10	3	6	21	21	19	49	29	15	M10xP1.5	4NKT06...
TM904N06-425-M12	4	6	25	25	24	57	35	19	M12xP1.75	4NKT06...
TM904N06-426-M12	4	6	26	26	24	57	35	19	M12xP1.75	4NKT06...
TM904N06-532-M16	5	6	32	32	31	63	38	24	M16xP2.0	4NKT06...
TM904N06-533-M16	5	6	33	33	31	63	37	24	M16xP2.0	4NKT06...

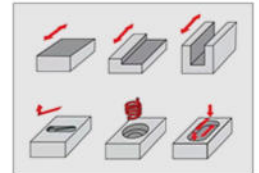
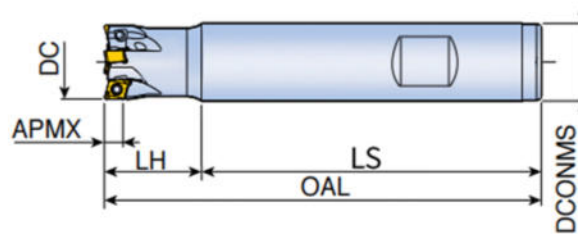
## TE904N06

### 4刃双面刀片大切深清角铣刀杆

High Ramping End Mills

4NKT06系列

4NKT06 Series



Designation 型号	CICT 齿数	Dimension (mm)/尺寸							INSERT 刀片
		APMX	DCX	DC	DCONMS	OAL	LH	LS	
TE904N06-216-16-120	2	6	16	16	16	120	35	85	4NKT06...
TE904N06-216-16-160	2	6	16	16	16	160	35	125	4NKT06...
TE904N06-217-16-160	2	6	17	17	16	160	17	143	4NKT06...
TE904N06-217-16-200	2	6	17	17	16	200	17	183	4NKT06...
TE904N06-320-20-120	3	6	20	20	20	120	44	79	4NKT06...
TE904N06-320-20-160	3	6	20	20	20	160	44	116	4NKT06...
TE904N06-321-20-160	3	6	21	21	20	160	21	139	4NKT06...
TE904N06-321-20-200	3	6	21	21	20	200	21	179	4NKT06...
TE904N06-425-25-120	4	6	25	25	25	120	55	65	4NKT06...
TE904N06-425-25-160	4	6	25	25	25	160	55	105	4NKT06...
TE904N06-425-25-200	4	6	25	25	25	200	55	145	4NKT06...
TE904N06-426-25-160	4	6	26	26	25	160	26	134	4NKT06...
TE904N06-426-25-200	4	6	26	26	25	200	26	174	4NKT06...
TE904N06-532-32-160	5	6	32	32	32	160	70	90	4NKT06...
TE904N06-532-32-200	5	6	32	32	32	200	70	130	4NKT06...
TE904N06-533-32-160	5	6	33	33	32	160	33	127	4NKT06...
TE904N06-533-32-200	5	6	33	33	32	200	33	167	4NKT06...

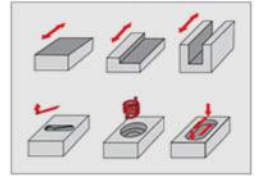
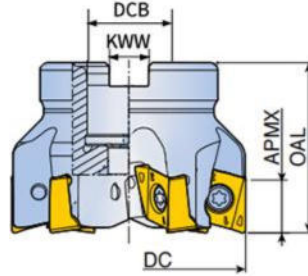
## TF904N06

### 4刃双面刀片大切深清角铣刀盘

High Ramping Face Mills

4NKT06系列

4NKT06 Series



Designation 型号	CICT 齿数	Dimension (mm)/尺寸							Type	INSERT 刀片
		APMX	DCX	DC	DCB	OAL	KWW	DC		
TF904N06-535-16	5	6	35	35	16	40	8.4	A	4NKT06...	
TF904N06-640-16	6	6	40	40	16	40	8.4	A	4NKT06...	
TF904N06-650-22	6	6	50	50	22	40	10.4	A	4NKT06...	
TF904N06-863-22	8	6	63	63	22	40	10.4	A	4NKT06...	
TF904N06-1080-27	10	6	80	80	27	50	12.4	A	4NKT06...	

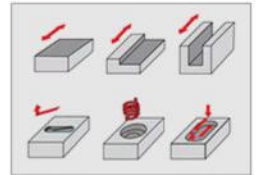
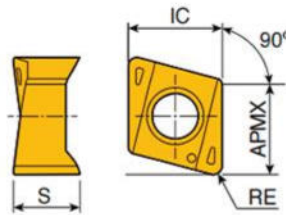
## 4NKT040204

### 4刃双面清角铣刀片

High Ramping Mill Inserts

4NKT04系列

4NKT04 Series



Designation 型号	Dimension (mm)/尺寸							Grade/材质	
	IC/大小	S/厚度	RE/圆角	APMX/最大切深	Angle/角度	Screw/螺丝	Wrench/扳手	SH1125	SH2025+
4NKT040204R-M	4.0	3.1	0.4	3.5	90°	TSA-18040-1	TWA-T6	○	○

○ 开发中

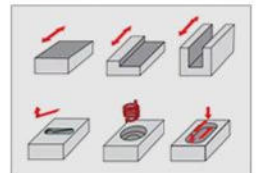
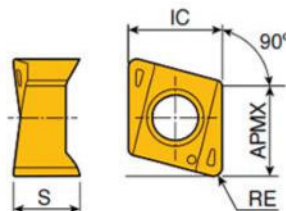
## 4NKT060308

### 4刃双面清角铣刀片

High Ramping Mill Inserts

4NKT06系列

4NKT06 Series



Designation 型号	Dimension (mm)/尺寸							Grade/材质	
	IC/大小	S/厚度	RE/圆角	APMX/最大切深	Angle/角度	Screw/螺丝	Wrench/扳手	SH1125	SH2025+
4NKT060308R-M	6.6	4.67	0.8	6	90°	TSA-30070-1	TWA-T8	○	○

○ 开发中

# 4NKT040204/4NKT060308

## 4刃双面清角铣刀片

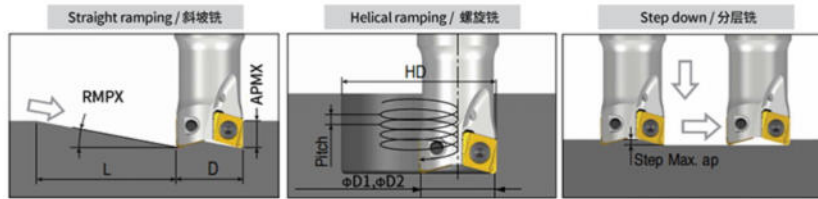
High Ramping Mill Inserts

4NKT04/06系列

4NKT04/06 Series

### 切削参数 / Cutting Conditions

ISO	Material/工件材料	Hardness/硬度	Vc (m/min)/切削速度	fz (mm/t)/每齿进给量
<b>P</b>	碳钢 S45C, S55C ... C45, C55 ...	-300HB	120-250	0.07-0.15
	合金钢 SCM440, SCr415 ... 42CrMo4 ...	-300HB	100-220	0.07-0.15
	预硬化钢 NAK80, PX5 ...	30-40HRC	80-180	0.07-0.15
<b>M</b>	不锈钢 SUS304, SUS316 ... X5CrNi18-9 X5CrNiMo17-12-2 ...	-200HB	100-250	0.07-0.15
<b>K</b>	灰铸铁 FC250, FC300 ... 250, 300 ...	150-250HB	120-300	0.07-0.15
	球墨铸铁 FCD400 ... 400-15, 600-3 ...	150-250HB	100-200	0.07-0.15
<b>S</b>	钛合金 Ti-6Al-4V ...	-40HRC	40-80	0.05-0.1
	耐热合金 Inconel, Hastelloy...	-40HRC	30-70	0.05-0.1
<b>H</b>	淬火钢	SKD61 ... X40CrMoV5-1 ...	40-50HRC	40-80
		SKD11 ... X153CrMoV12...	50-60HRC	30-60



### 4NKT040204

型号	DCX	APMX 最大切深	RMPX 最大斜坡铣角度	Step Max.ap 最大分层铣深度	D1(HD) 最小加工孔径	D2(HD) 最大加工孔径	MAX Pich/rev 最大轴向切深
TE904N04-107-10...	7	3.5	3.5°	0.4	7.9	14	0.2/2.5
TE904N04-108-10...	8	3.5	3.7°	0.4	9.9	16	0.3/2.8
TE904N04-109-10...	9	3.5	3.9°	0.4	11.9	18	0.5/2.0
TE904N04-210-10...	10	3.5	4.2°	0.5	13.9	20	0.8/2.0
TE904N04-211-10...	11	3.5	4.8°	0.6	15.9	22	1.1/2.5
TE904N04-312-12...	12	3.5	4.5°	0.7	17.9	24	1.2/2.5
TE904N04-313-12...	13	3.5	4.7°	0.8	19.9	26	1.5/2.9
TE904N04-314-14...	14	3.5	4.5°	0.9	21.9	28	1.6/3.0
TE904N04-415-14...	15	3.5	4.3°	0.9	23.9	30	1.8/3.1
TE904N04-416-16...	16	3.5	4.1°	0.9	25.9	32	1.9/3.1
TE904N04-417-16...	17	3.5	3.9°	0.9	27.9	34	1.8/3.0

### 4NKT060308

型号	DCX	APMX 最大切深	RMPX 最大斜坡铣角度	Step Max.ap 最大分层铣深度	D1(HD) 最小加工孔径	D2(HD) 最大加工孔径	MAX Pich/rev 最大轴向切深
TE904N06-216-16...	16	6	3.5°	0.7	21.5	32.0	0.8/2.5
TE904N06-218-16...	18	6	4.0°	0.9	25.5	36.0	1.3/3.2
TE904N06-320-20...	20	6	4.2°	1.0	29.5	40.0	1.8/3.7
TE904N06-425-25...	25	6	4.9°	1.5	39.5	50.0	3.1/5.4
TE904N06-532-32...	32	6	3.5°	1.5	53.5	64.0	3.3/4.9
TF904N06-640...	40	6	2.6°	1.5	69.5	80.0	3.4/4.6
TF904N06-650...	50	6	2.0°	1.5	89.5	100.0	3.5/4.4
TF904N06-863...	63	6	1.5°	1.5	115.5	126.0	3.5/4.1
TF904N06-1080...	80	6	1.0°	1.5	149.5	160.0	3.0/3.5

MILLING TOOLS SERIES

**BLMP04 / BLMP06**



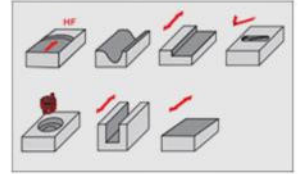
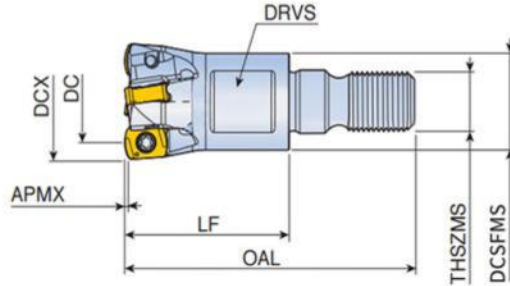
## TMHBL04

### 4刃双面刀片快进给锁牙铣刀头

High Feed Modular Heads

BLMP04系列

BLMP04 Series



Designation 型号	CICT 齿数	Dimension (mm)/尺寸							THSZMS 螺纹规格	INSERT 刀片
		APMX	DCX	DC	DCSFMS	OAL	LF	DRVS		
TMHBL04-312-M06	3	0.5	12	7.6	11	32	17	9	M6xP1.0	BLMP04...
TMHBL04-313-M06	3	0.5	13	8.6	11	32	17	9	M6xP1.0	BLMP04...
TMHBL04-314-M06	3	0.5	14	9.6	13	32	17	10	M6xP1.0	BLMP04...
TMHBL04-315-M06	3	0.5	15	10.6	13	32	17	10	M6xP1.0	BLMP04...
TMHBL04-314-M08	3	0.5	14	9.6	13	34.5	17	10	M8xP1.25	BLMP04...
TMHBL04-315-M08	3	0.5	15	10.6	13	34.5	17	10	M8xP1.25	BLMP04...
TMHBL04-416-M08	4	0.5	16	11.6	15	43	25	12	M8xP1.25	BLMP04...
TMHBL04-417-M08	4	0.5	17	12.6	15	43	25	12	M8xP1.25	BLMP04...

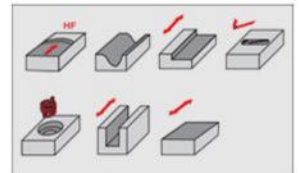
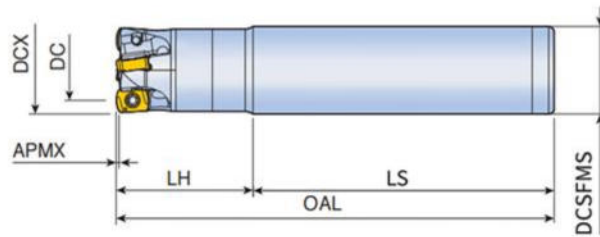
## TEHBL04

### 4刃双面刀片快进给铣刀杆

High Feed End Mills

BLMP04系列

BLMP04 Series



Designation 型号	CICT 齿数	Dimension (mm)/尺寸							INSERT 刀片
		APMX	DCX	DC	DCSFMS	OAL	LH	LS	
TEHBL04-107-10-80	1	0.5	7	2.8	10	80	17.5	62.5	BLMP04...
TEHBL04-108-10-80	1	0.5	8	3.8	10	80	20	60	BLMP04...
TEHBL04-109-10-80	1	0.5	9	4.8	10	80	22.5	57.5	BLMP04...
TEHBL04-210-10-80	2	0.5	10	5.7	10	80	25	55	BLMP04...
TEHBL04-211-10-80	2	0.5	11	6.6	10	80	20	60	BLMP04...
TEHBL04-312-12-80	3	0.5	12	7.6	12	80	30	50	BLMP04...
TEHBL04-313-12-80	3	0.5	13	8.6	12	80	20	60	BLMP04...
TEHBL04-314-14-100	3	0.5	14	9.6	14	100	35	65	BLMP04...
TEHBL04-315-14-100	3	0.5	15	10.6	14	100	20	80	BLMP04...
TEHBL04-416-16-120	4	0.5	16	11.6	16	120	40	80	BLMP04...
TEHBL04-417-16-120	4	0.5	17	12.6	16	120	20	100	BLMP04...

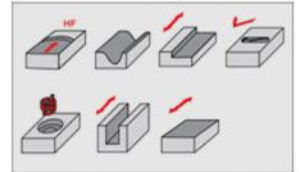
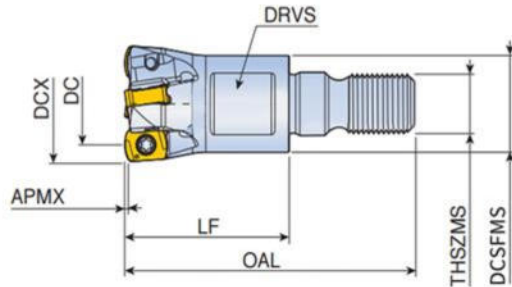
## TMHBL06

### 4刃双面刀片快进给锁牙铣刀头

High Feed Modular Heads

BLMP06系列

BLMP06 Series



Designation 型号	CICT 齿数	Dimension (mm)/尺寸								THSZMS 螺纹规格	INSERT 刀片
		APMX	DCX	DC	DCSFMS	OAL	LF	DRVS			
TMHBL06-216-M08	2	1	16	9.4	15	43	25.5	12	M8xP1.25	BLMP06...	
TMHBL06-217-M08	2	1	17	10.1	15	43	25.5	12	M8xP1.25	BLMP06...	
TMHBL06-218-M08	2	1	18	11.1	15	43	25.5	12	M8xP1.25	BLMP06...	
TMHBL06-320-M10	3	1	20	12.4	19	49	29	15	M10xP1.5	BLMP06...	
TMHBL06-321-M10	3	1	21	13.4	19	49	29	15	M10xP1.5	BLMP06...	
TMHBL06-425-M12	4	1	25	17.3	24	57	35	19	M12xP1.75	BLMP06...	
TMHBL06-426-M12	4	1	26	18.3	24	57	35	19	M12xP1.75	BLMP06...	
TMHBL06-430-M16	4	1	30	22.3	29	63	38	24	M16xP2.0	BLMP06...	
TMHBL06-532-M16	5	1	32	24.3	31	63	38	24	M16xP2.0	BLMP06...	
TMHBL06-533-M16	5	1	33	25.3	31	63	38	24	M16xP2.0	BLMP06...	

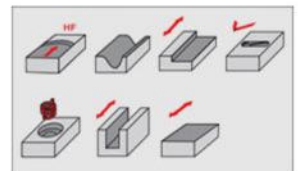
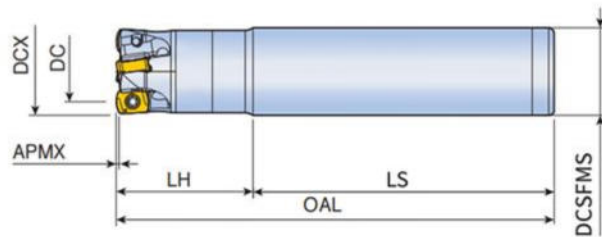
## TEHBL06

### 4刃双面刀片快进给铣刀杆

High Feed End Mills

BLMP06系列

BLMP06 Series



Designation 型号	CICT 齿数	Dimension (mm)/尺寸								INSERT 刀片
		APMX	DCX	DC	DCSFMS	OAL	LH	LS		
TEHBL06-216-16-120	2	1	16	9.4	16	120	25	95	BLMP06...	
TEHBL06-217-16-160	2	1	17	10.1	16	160	15	145	BLMP06...	
TEHBL06-320-20-120	3	1	20	12.4	20	120	25	95	BLMP06...	
TEHBL06-320-20-160	3	1	20	12.4	20	160	25	135	BLMP06...	
TEHBL06-321-20-160	3	1	21	13.4	20	160	20	140	BLMP06...	
TEHBL06-321-20-200	3	1	21	13.4	20	200	20	180	BLMP06...	
TEHBL06-425-25-160	4	1	25	17.3	25	160	30	130	BLMP06...	
TEHBL06-425-25-200	4	1	25	17.3	25	200	30	170	BLMP06...	
TEHBL06-426-25-160	4	1	26	18.3	25	160	20	140	BLMP06...	
TEHBL06-426-25-200	4	1	26	18.3	25	200	20	180	BLMP06...	
TEHBL06-532-32-160	5	1	32	24.3	32	160	35	125	BLMP06...	
TEHBL06-532-32-200	5	1	32	24.3	32	200	35	165	BLMP06...	
TEHBL06-533-32-160	5	1	33	25.3	32	160	25	135	BLMP06...	
TEHBL06-533-32-200	5	1	33	25.3	32	200	25	175	BLMP06...	

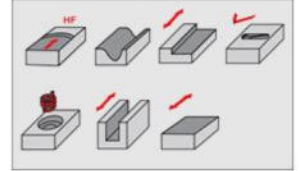
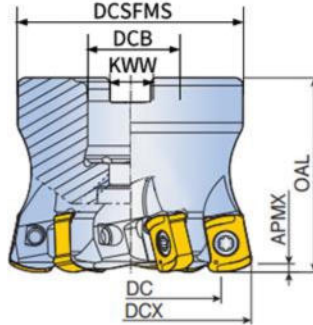
## TFHBL06

### 4刃双面刀片快进给铣刀盘

High Feed Face Mills

BLMP06系列

BLMP06 Series



Designation 型号	CICT 齿数	Dimension (mm)/尺寸								INSERT 刀片
		APMX	DCX	DC	DCB	OAL	KWW	DCSFMS		
TFHBL06-535-16	5	1	35	27.3	16	40	8.4	32	BLMP06...	
TFHBL06-540-16	5	1	40	32.2	16	40	8.4	32	BLMP06...	
TFHBL06-650-22	6	1	50	42.2	22	40	10.4	45	BLMP06...	
TFHBL06-863-22	8	1	63	55.5	22	40	10.4	48	BLMP06...	
TFHBL06-1080-27	10	1	80	72.5	27	50	12.4	60	BLMP06...	

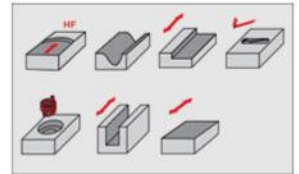
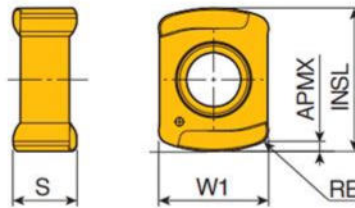
## BLMP0402

### 4刃双面快进给铣刀片

High Feed Inserts

BLMP04系列

BLMP04 Series



Designation 型号	IC/大小	S/厚度	RE/圆角	APMX/最大切深	Screw/螺丝	Wrench/扳手	Grade/材质	
							SH1125	SH2025+
BLMP0402R-M	6	2.5	0.5	0.5	TSA-18040-1	TWA-T6	○	○

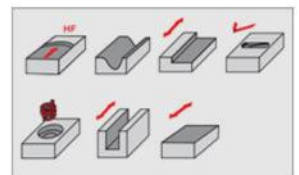
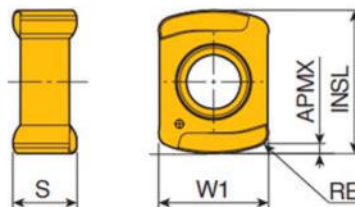
## BLMP0603

### 4刃双面快进给铣刀片

High Feed Inserts

BLMP06系列

BLMP06 Series



Designation 型号	IC/大小	S/厚度	RE/圆角	APMX/最大切深	Screw/螺丝	Wrench/扳手	Grade/材质	
							SH1125	SH2025+
BLMP0603R-M	9	3.73	0.9	1	TSA-25070-1	TWA-T8	○	○

# BLMP0402/BLMP0603

## 4刃双面快进给铣刀片

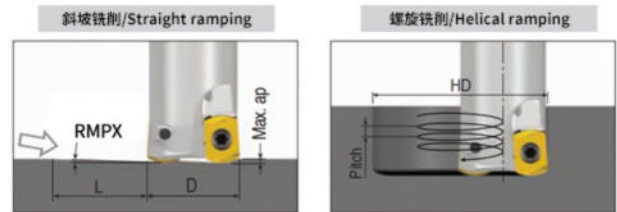
High Feed Mill Inserts

BLMP04/BLMP06系列

BLMP04/BLMP06 Series

### 切削参数 / Cutting Conditions

ISO	Material/工件材料	Hardness/硬度	Vc (m/min)/切削速度	fz (mm/t)/每齿进给量
P	碳钢 S45C, S55C ... C45, C55 ...	-300HB	100-300	0.5-3.0
	合金钢 SCM440, SCr415 ... 42CrMo4 ...	-300HB	120-250	0.4-2.5
	预硬化钢 NAK80, PX5 ...	30-40HRC	80-160	0.3-2.0
M	不锈钢 SUS304, SUS316 ... X5CrNi18-9 X5CrNiMo17-12-2 ...	-200HB	100-170	0.3-2.0
K	灰铸铁 FC250, FC300 ... 250, 300 ...	150-250HB	100-300	0.5-2.0
	球墨铸铁 FCD400 ... 400-15, 600-3 ...	150-250HB	80-200	0.5-2.0
S	钛合金 Ti-6Al-4V ...	-40HRC	30-80	0.3-1.2
	耐热合金 Inconel, Hastelloy...	-40HRC	20-60	0.3-1.0
H	淬火钢	SKD61 ... X40CrMoV5-1 ...	40-50HRC	80-150
		SKD11 ... X153CrMoV12...	50-60HRC	50-70



### ● BLMP0402

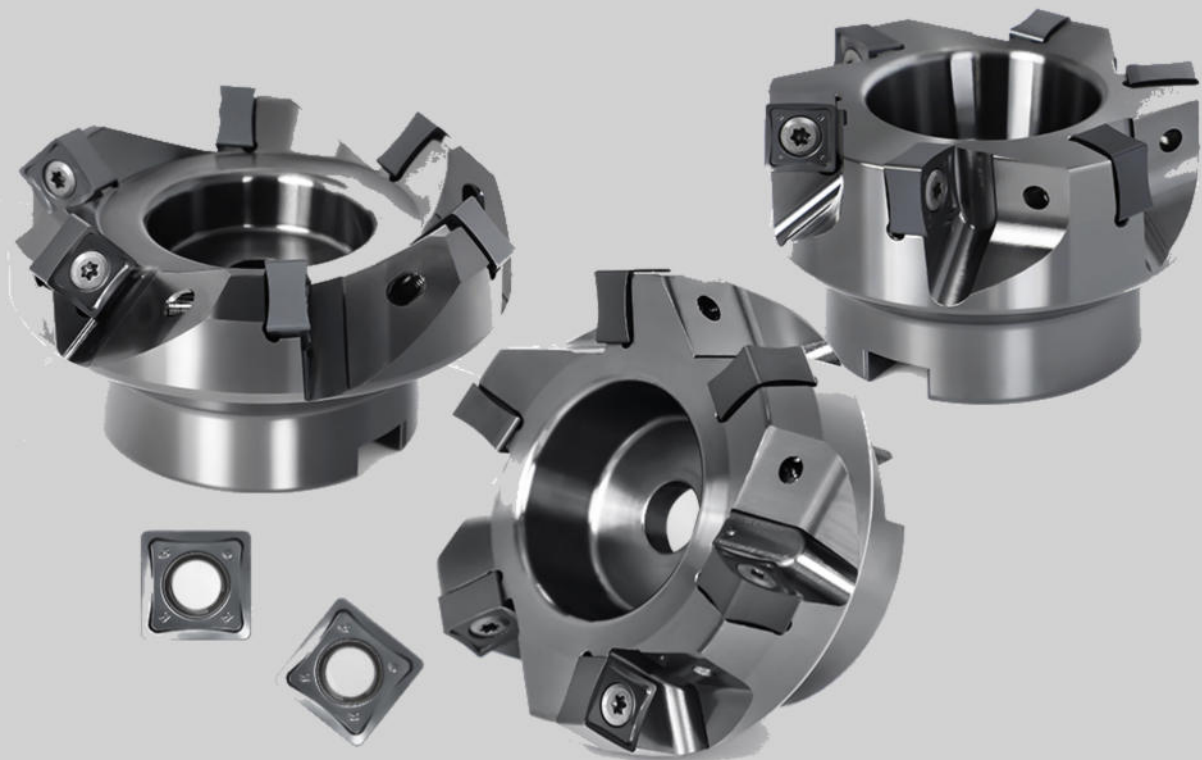
型号	DCX	斜坡铣削/Straight ramping			螺旋铣削/Helical ramping		
		APMX 最大切深	RMPX 最大斜坡铣角度	Min. length (L) 最短距离	Min. dia. 最小加工孔径	Max. dia. 最大加工孔径	Max. pitch/rev. 最大轴向切深
TEHBL04-108-10-80	8	0.5	0.4°	72	12.6	16	0.1
TEHBL04-210-10-80	10	0.5	0.6°	44	16.6	20	0.2
TEHBL04-211-10-80	11	0.5	0.7°	38	18.6	22	0.2
TEHBL04-312-12-80	12	0.5	1.0°	29	20.6	24	0.4
TEHBL04-313-12-80	13	0.5	1.1°	25	22.6	26	0.5
TEHBL04-314-14-100	14	0.5	1.1°	29	24.6	28	0.5
TEHBL04-315-14-100	15	0.5	1.1°	29	26.6	30	0.5
TEHBL04-416-16-120	16	0.5	1.0°	29	28.6	32	0.5
TEHBL04-417-16-120	17	0.5	1.1°	25	30.6	34	0.5

### ● BLMP0603

型号	DCX	斜坡铣削/Straight ramping			螺旋铣削/Helical ramping		
		APMX 最大切深	RMPX 最大斜坡铣角度	Min. length (L) 最短距离	Min. dia. 最小加工孔径	Max. dia. 最大加工孔径	Max. pitch/rev. 最大轴向切深
TEHBL06-216-16-120	16	1.0	2.0°	13	23	32	0.7
TEHBL06-217-16-160	17	1.0	2.0°	15	25	34	0.7
TEHBL06-320-20-120	20	1.0	1.5°	38	31	40	0.8-1.0
TEHBL06-321-20-160	21	1.0	1.5°	38	33	42	0.8-1.0
TEHBL06-425-25-160	25	1.0	1.3°	41	41	50	1.0
TEHBL06-426-25-200	26	1.0	1.2°	44	43	52	1.0
TEHBL06-532-32-160	32	1.0	0.9°	57	55	64	1.0
TFHBL06-540-16	40	1.0	0.7°	64	71	80	1.0
TFHBL06-650-22	50	1.0	0.5°	96	91	100	1.0
TFHBL06-863-22	63	1.0	0.5°	115	117	126	1.0
TFHBL06-1080-27	80	1.0	0.4°	135	151	160	1.0

MILLING TOOLS SERIES

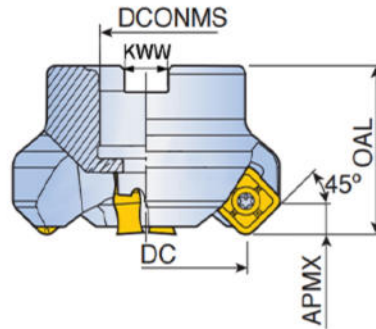
**TF45/75/88SN12**



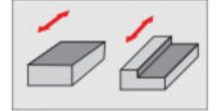
## TF45SN12

### 8刃双面45°面铣刀盘

45° Face Mills



SN□X1206系列  
SN□X1206 Series

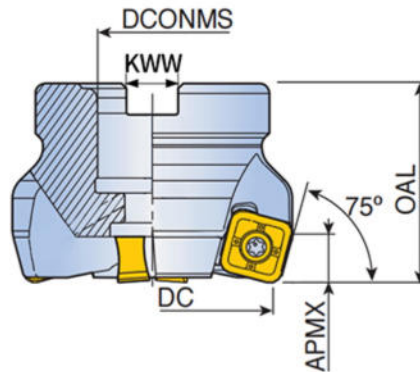


Designation 型号	CICT 齿数	Dimension (mm)/尺寸					Type	Angel 角度	INSERT 刀片
		APMX	DC	KWW	DCONMS	OAL			
TF45SN12-450-22	4	6.5	50	8.4	22	40	A	45°	SN□X1206...
TF45SN12-455-22	4	6.5	55	10.4	22	40	A	45°	SN□X1206...
TF45SN12-563-22	5	6.5	63	10.4	22	40	A	45°	SN□X1206...
TF45SN12-570-22	5	6.5	70	12.4	22	40	A	45°	SN□X1206...
TF45SN12-680-27	6	6.5	80	10.4	27	50	A	45°	SN□X1206...
TF45SN12-7100-32	7	6.5	100	10.4	32	50	A	45°	SN□X1206...
TF45SN12-8125-40	8	6.5	125	12.4	40	55	B	45°	SN□X1206...
TF45SN12-10160-40	10	6.5	160	14.4	40	55	B	45°	SN□X1206...
TF45SN12-12200-60	12	6.5	200	16.4	60	55	C	45°	SN□X1206...
TF45SN12-14250-60	14	6.5	250	16.4	60	55	C	45°	SN□X1206...

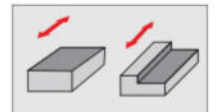
## TF75SN12

### 8刃双面75°面铣刀盘

75° Face Mills



SN□X1206系列  
SN□X1206 Series



Designation 型号	CICT 齿数	Dimension (mm)/尺寸					Type	Angel 角度	INSERT 刀片
		APMX	DC	KWW	DCONMS	OAL			
TF75SN12-450-22	4	8	50	8.4	22	40	A	75°	SN□X1206...
TF75SN12-455-22	4	8	55	10.4	22	40	A	75°	SN□X1206...
TF75SN12-563-22	5	8	63	10.4	22	40	A	75°	SN□X1206...
TF75SN12-570-22	5	8	70	12.4	22	40	A	75°	SN□X1206...
TF75SN12-680-27	6	8	80	10.4	27	50	A	75°	SN□X1206...
TF75SN12-7100-32	7	8	100	10.4	32	50	A	75°	SN□X1206...
TF75SN12-8125-40	8	8	125	12.4	40	55	B	75°	SN□X1206...
TF75SN12-10160-40	10	8	160	14.4	40	55	B	75°	SN□X1206...
TF75SN12-12200-60	12	8	200	16.4	60	55	C	75°	SN□X1206...
TF75SN12-14250-60	14	8	250	16.4	60	55	C	75°	SN□X1206...

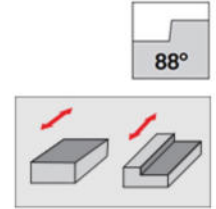
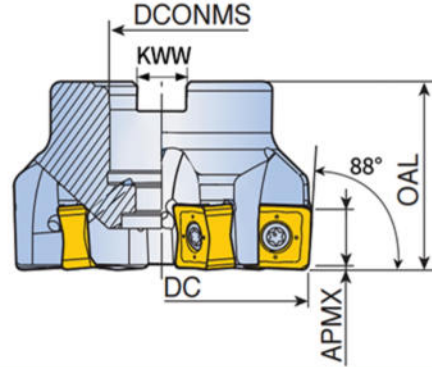
## TF88SN12

### 8刃双面88°面铣刀盘

88° Face Mills

SN□X1206系列

SN□X1206 Series



Designation 型号	CICT 齿数	Dimension (mm)/尺寸					Type	Angel 角度	INSERT 刀片
		APMX	DC	KWW	DCONMS	OAL			
TF88SN12-450-22	4	10	50	10.4	22	40	A	88°	SN□X1206...
TF88SN12-455-22	4	10	55	10.4	22	40	A	88°	SN□X1206...
TF88SN12-563-22	5	10	63	10.4	22	40	A	88°	SN□X1206...
TF88SN12-570-22	5	10	70	10.4	22	40	A	88°	SN□X1206...
TF88SN12-680-27	6	10	80	12.4	27	50	A	88°	SN□X1206...
TF88SN12-7100-32	7	10	100	14.4	32	50	A	88°	SN□X1206...
TF88SN12-8125-40	8	10	125	16.4	40	55	B	88°	SN□X1206...
TF88SN12-10160-40	10	10	160	16.4	40	55	B	88°	SN□X1206...
TF88SN12-12200-60	12	10	200	25.8	60	55	C	88°	SN□X1206...
TF88SN12-14250-60	14	10	250	25.8	60	55	C	88°	SN□X1206...

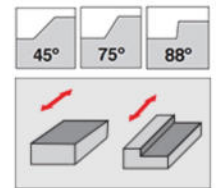
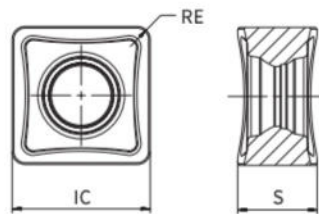
## SN□X1206

### 8刃双面面铣刀片

Face Mill Inserts

SN□X12系列

SN□X12 Series



Designation 型号	Dimension (mm)/尺寸						Grade/材质	
	IC/大小	S/厚度	RE/圆角	APMX/最大切深	Screw/螺丝	Wrench/扳手	SH1125	SH2025+
SNMX120608-MM	12.7	6.98	0.8	6.5-10	TSA-50120-1	TWA-T20	○	○
SNMX120612-MM	12.7	6.98	1.2	6.5-10	TSA-50120-1	TWA-T20	○	○
SNGX120608-MM	12.7	6.98	0.8	6.5-10	TSA-50120-1	TWA-T20	○	○
SNGX120612-MM	12.7	6.98	1.2	6.5-10	TSA-50120-1	TWA-T20	○	○

刀片相关信息请参照第M5-02页

切削参数请参照第M5-03页

# SN□X1206

## 8刃双面面铣刀片

Face Mill Inserts

SN□X12系列

SN□X12 Series

### 切削参数 / Cutting Conditions

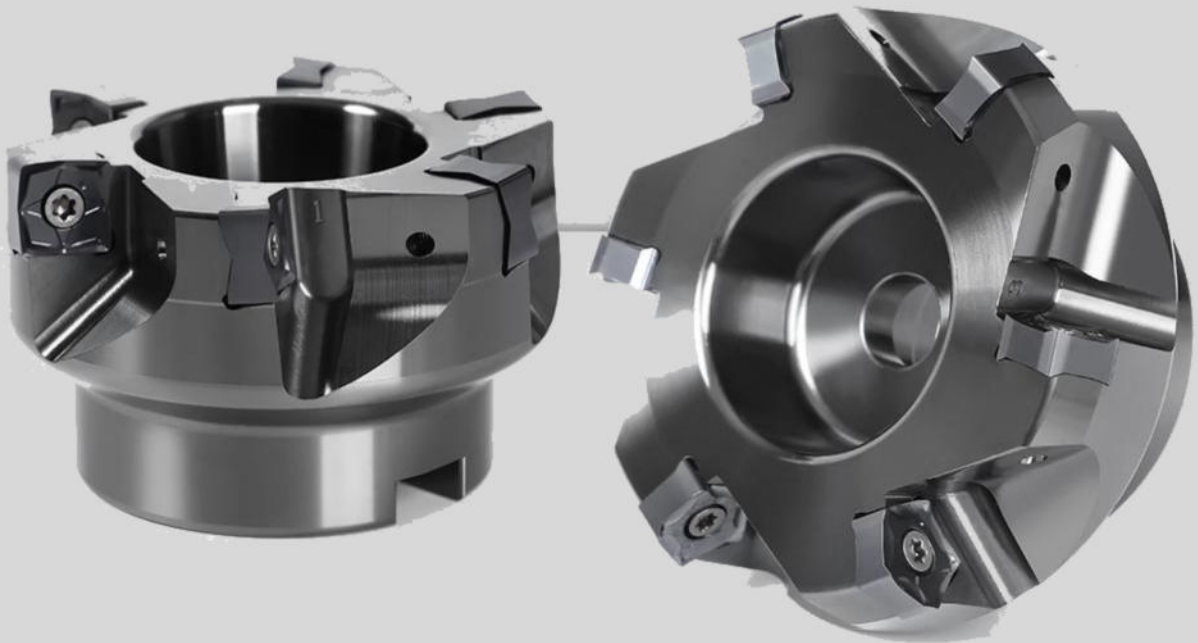
ISO	Material/工件材料	Hardness/硬度	Vc (m/min)/切削速度	fz (mm/t)/每齿进给量
<b>P</b>	碳钢 S45C, S55C ... C45, C55 ...	-300HB	120-300	0.1-0.5
	合金钢 SCM440, SCr415 ... 42CrMo4 ...	-300HB	80-250	0.1-0.5
	预硬化钢 NAK80, PX5 ...	30-40HRC	80-200	0.1-0.35
<b>M</b>	不锈钢 SUS304, SUS316 ... X5CrNi18-9 X5CrNiMo17-12-2 ...	-200HB	80-250	0.1-0.4
<b>K</b>	灰铸铁 FC250, FC300 ... 250, 300 ...	150-250HB	120-350	0.1-0.4
	球墨铸铁 FCD400 ... 400-15, 600-3 ...	150-250HB	100-300	0.1-0.4
<b>S</b>	钛合金 Ti-6Al-4V ...	-40HRC	20-50	0.1-0.2
	耐热合金 Inconel, Hastelloy...	-40HRC	20-50	0.1-0.2
<b>H</b>	淬火钢	SKD61 ... X40CrMoV5-1 ...	40-50HRC	80-150
		SKD11 ... X153CrMoV12...	50-60HRC	50-70

MILLING TOOLS SERIES

**SNMU1305 / PNMU09**

**TF88SN1305**

**TF66PN09**



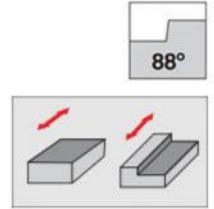
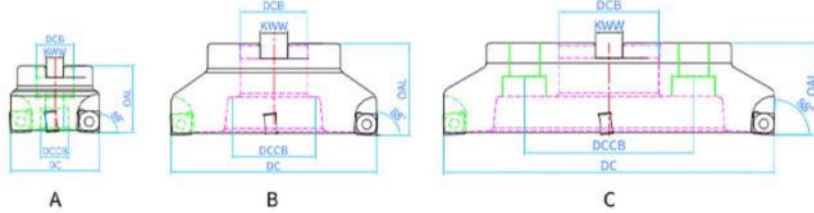
## TF88SN1305

### 8刃双面面铣刀盘

Face Mill Cutter

SNMU1305系列

SNMU1305 Series



Designation 型号	CICT 齿数	Dimension (mm)/尺寸						Type	Angel 角度	INSERT 刀片
		APMX	DC	DCB	OAL	DCCB	KWW			
TF88SN13-450-22	4	5	50	22	40	17	10.4	A	88°	SNMU1305...
TF88SN13-563-22	5	5	63	22	40	17	10.4	A	88°	SNMU1305...
TF88SN13-680-27	6	5	80	27	50	34	12.4	A	88°	SNMU1305...
TF88SN13-7100-32	7	5	100	32	50	42	14.4	A	88°	SNMU1305...
TF88SN13-8125-40	8	5	125	40	55	50	16.4	B	88°	SNMU1305...
TF88SN13-10160-40	10	5	160	40	55	80	16.4	B	88°	SNMU1305...
TF88SN13-12200-60	12	5	200	60	55	101.6	25.8	C	88°	SNMU1305...
TF88SN13-14250-60	14	5	250	60	55	101.6	25.8	C	88°	SNMU1305...

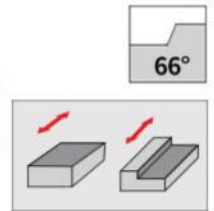
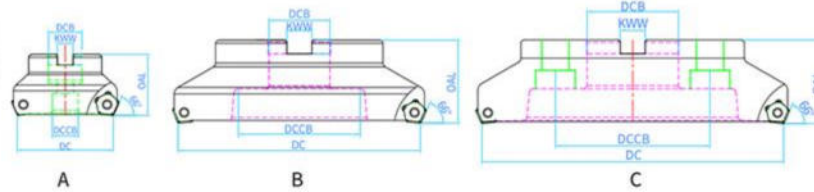
## TF66PN09

### 10刃双面面铣刀盘

Face Mill Cutter

PNMU09系列

PNMU09 Series



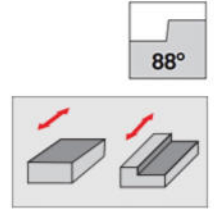
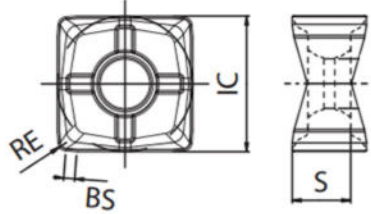
Designation 型号	CICT 齿数	Dimension (mm)/尺寸						Type	Angel 角度	INSERT 刀片
		APMX	DC	DCB	OAL	DCCB	KWW			
TF66PN09-450-22	4	5	50	22	40	17	10.4	A	66°	PNMU09...
TF66PN09-563-22	5	5	63	22	40	17	10.4	A	66°	PNMU09...
TF66PN09-680-27	6	5	80	27	50	34	12.4	A	66°	PNMU09...
TF66PN09-7100-32	7	5	100	32	50	42	14.4	A	66°	PNMU09...
TF66PN09-8125-40	8	5	125	40	55	50	16.4	B	66°	PNMU09...
TF66PN09-10160-40	10	5	160	40	55	80	16.4	B	66°	PNMU09...
TF66PN09-12200-60	12	5	200	60	55	101.6	25.8	C	66°	PNMU09...
TF66PN09-14250-60	14	5	250	60	55	101.6	25.8	C	66°	PNMU09...

# SNMU1305

## 8刃双面铣刀片

Face Mill Inserts

SNMU13系列  
SNMU13 Series



Designation 型号	Dimension (mm)/尺寸						Grade/材质			
	IC/大小	S/厚度	RE/圆角	APMX/最大切深	BS/刀尖刃口长度	Screw/螺丝	Wrench/扳手	SH1125	SH2025+	
SNMU130508-GM	13	5.51	0.8	5	1.0	TSA-40100-1	TWA-T15	○	○	

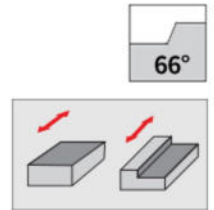
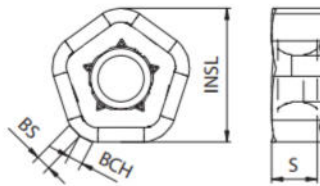
○ 开发中

# PNMU0905

## 10刃双面铣刀片

High Feed Face Mill Inserts

PNMU09系列  
PNMU09 Series

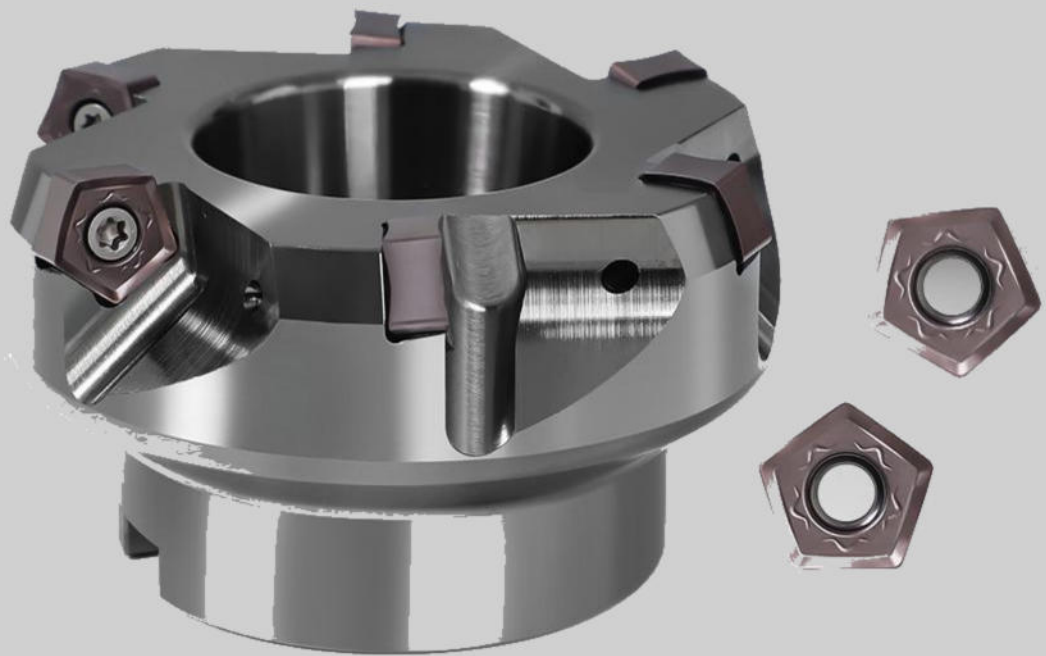


Designation 型号	Dimension (mm)/尺寸						Grade/材质			
	INSL/高度	S/厚度	APMX/最大切深	BCH	BS/刀尖刃口长度	Screw/螺丝	Wrench/扳手	SH1125	SH2025+	
PNMU0905XN-GM	17.98	6.17	5	2.0	2.0	TSA-40100-1	TWA-T15	○	○	

○ 开发中

MILLING TOOLS SERIES

**PNCU0905**

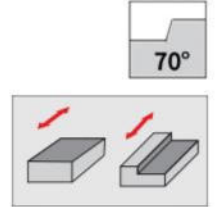
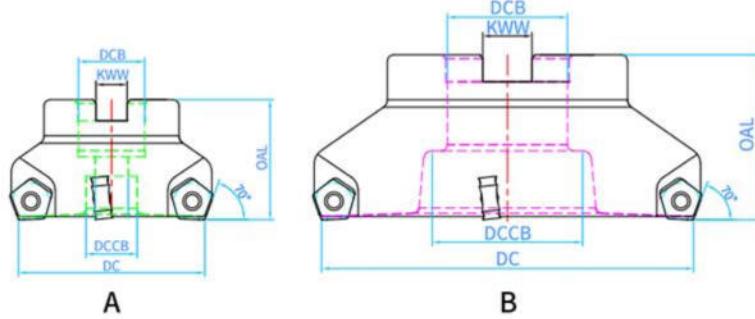


## TF70PN09

### 10刃双面面铣刀盘

Face Mills

PNCU09系列  
PNCU09 Series



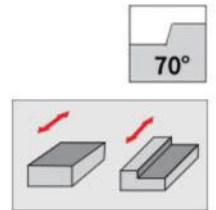
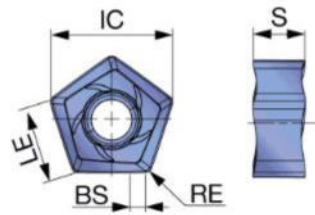
Designation 型号	CICT 齿数	APMX	DC	Dimension (mm)/尺寸				Type	Angel 角度	INSERT 刀片
TF70PN09-450-22	4	6.4	50	DCB	OAL	DCCB	KWW	A	70°	PNCU09...
TF70PN09-563-22	5	6.4	63	DCB	OAL	DCCB	KWW	A	70°	PNCU09...
TF70PN09-680-27	6	6.4	80	DCB	OAL	DCCB	KWW	A	70°	PNCU09...
TF70PN09-7100-32	7	6.4	100	DCB	OAL	DCCB	KWW	A	70°	PNCU09...
TF70PN09-8125-40	8	6.4	125	DCB	OAL	DCCB	KWW	B	70°	PNCU09...
TF70PN09-10160-40	10	6.4	160	DCB	OAL	DCCB	KWW	B	70°	PNCU09...

## PNCU0905

### 10刃双面铣刀片

Face Mill Inserts

PNCU09系列  
PNCU09 Series



Designation 型号	Dimension (mm)/尺寸							Grade/材质	
IC/宽度	S/厚度	LE/边长	APMX/最大切深	BS/刀尖刃口长度	Screw/螺丝	Wrench/扳手	SH1125	SH2025+	
PNCU090508ER-MJ	12.20	5.93	8.90	6.40	1.40	TSA-40100-1	TWA-T15	○	○



**TF45/75/88SN1306**

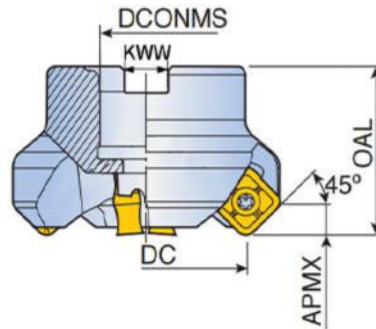
MILLING TOOLS SERIES



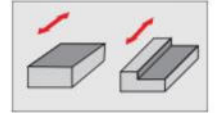
## TF45SN1306

### 8刃双面45°面铣刀盘

45° Face Mills



SN□X1306系列  
SN□X1306 Series

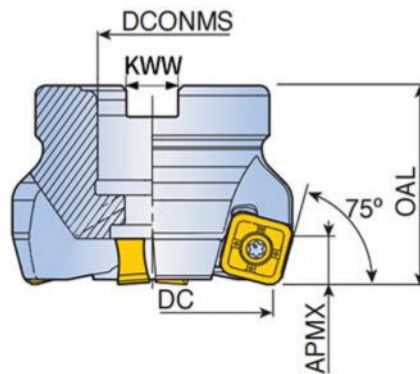


Designation 型号	CIC 齿数	APMX	Dimension (mm)/尺寸					DCCB	Type	Angel 角度	INSERT 刀片
			DC	KWW	DCONMS	OAL					
TF45SN1306-450-22	4	7.0	50	10.4	22	40	17	A	45°	SN□X1306...	
TF45SN1306-563-22	5	7.0	63	10.4	22	40	17	A	45°	SN□X1306...	
TF45SN1306-680-27	6	7.0	80	12.4	27	50	34	A	45°	SN□X1306...	
TF45SN1306-7100-32	7	7.0	100	14.4	32	50	42	A	45°	SN□X1306...	
TF45SN1306-8125-40	8	7.0	125	16.4	40	55	50	B	45°	SN□X1306...	
TF45SN1306-10160-40	10	7.0	160	16.4	40	55	80	B	45°	SN□X1306...	
TF45SN1306-12200-60	12	7.0	200	25.8	60	55	101.6	C	45°	SN□X1306...	
TF45SN1306-14250-60	14	7.0	250	25.8	60	55	101.6	C	45°	SN□X1306...	

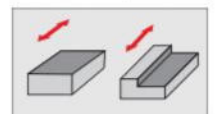
## TF75SN1306

### 8刃双面75°面铣刀盘

75° Face Mills



SN□X1306系列  
SN□X1306 Series



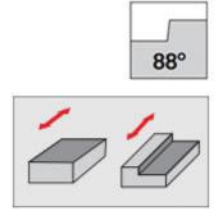
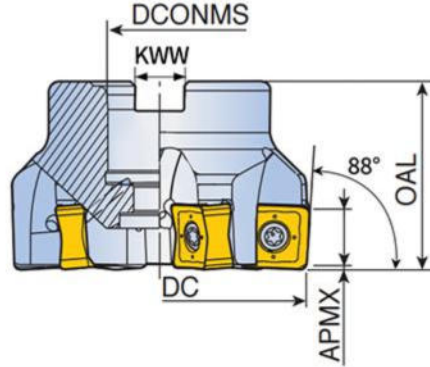
Designation 型号	CIC 齿数	APMX	Dimension (mm)/尺寸					DCCB	Type	Angel 角度	INSERT 刀片
			DC	KWW	DCONMS	OAL					
TF45SN1306-450-22	4	9.5	50	10.4	22	40	17	A	75°	SN□X1306...	
TF45SN1306-563-22	5	9.5	63	10.4	22	40	17	A	75°	SN□X1306...	
TF45SN1306-680-27	6	9.5	80	12.4	27	50	34	A	75°	SN□X1306...	
TF45SN1306-7100-32	7	9.5	100	14.4	32	50	42	A	75°	SN□X1306...	
TF45SN1306-8125-40	8	9.5	125	16.4	40	55	50	B	75°	SN□X1306...	
TF45SN1306-10160-40	10	9.5	160	16.4	40	55	80	B	75°	SN□X1306...	
TF45SN1306-12200-60	12	9.5	200	25.8	60	55	101.6	C	75°	SN□X1306...	
TF45SN1306-14250-60	14	9.5	250	25.8	60	55	101.6	C	75°	SN□X1306...	

## TF88SN1306

### 8刃双面88°面铣刀盘

88° Face Mills

SN□X1306系列  
SN□X1306 Series



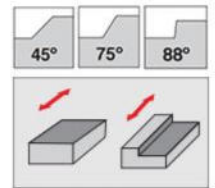
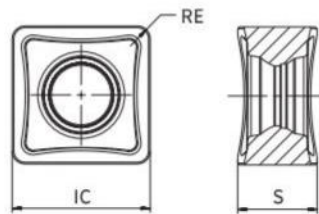
Designation 型号	CICT 齿数	APMX	DC	Dimension (mm)/尺寸				DCCB	Type	Angel 角度	INSERT 刀片
TF88SN1306-450-22	4	12	50	10.4	22	40	17	A	88°	SN□X1306...	
TF88SN1306-563-22	5	12	63	10.4	22	40	17	A	88°	SN□X1306...	
TF88SN1306-680-27	6	12	80	12.4	27	50	34	A	88°	SN□X1306...	
TF88SN1306-7100-32	7	12	100	14.4	32	50	42	A	88°	SN□X1306...	
TF88SN1306-8125-40	8	12	125	16.4	40	55	50	B	88°	SN□X1306...	
TF88SN1306-10160-40	10	12	160	16.4	40	55	80	B	88°	SN□X1306...	
TF88SN1306-12200-60	12	12	200	25.8	60	55	101.6	C	88°	SN□X1306...	
TF88SN1306-14250-60	14	12	250	25.8	60	55	101.6	C	88°	SN□X1306...	

## SN□X1306

### 8刃双面面铣刀片

Face Mill Inserts

SN□X1306系列  
SN□X1306 Series



Designation 型号	IC/大小	S/厚度	RE/圆角	APMX/最大切深	Screw/螺丝	Wrench/扳手	Grade/材质	
SNMX1306ZN-M	13.5	6.8	0.4	12	TSA-40003-2	TWA-T15	○	○
SNMX1306ANTN-M	13.5	6.8	0.4	7.0	TSA-40003-2	TWA-T15	○	○
SNMX1306ENTN-M	13.5	7.0	0.4	9.5	TSA-40003-2	TWA-T15	○	○
SNMX1306XTN	13.5	6.8	0.4	6.35-9.6	TSA-40003-2	TWA-T15	○	○
SNGX1306ZN-M	13.5	6.8	0.4	12	TSA-40003-2	TWA-T15	○	○
SNGX1306ANTN-M	13.5	6.8	0.4	7.0	TSA-40003-2	TWA-T15	○	○
SNGX1306ENTN-M	13.5	7.0	0.4	9.5	TSA-40003-2	TWA-T15	○	○

MILLING TOOLS SERIES

**LPGT01 / LOGU03**  
**SOMT10 / SOMT14**



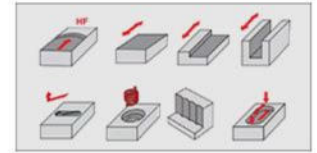
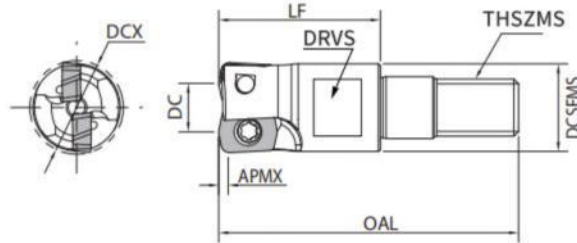
## TMHLP01

### 2刃单面刀片快进给锁牙铣刀头

High Feed Modular Heads

LPGT01系列

LPGT01 Series



Designation 型号	CICT 齿数	Dimension (mm)/尺寸								THSZMS 螺纹规格	INSERT 刀片
		APMX	DCX	DC	DCSFMS	OAL	LF	DRVS			
TMHLP01-210-M05	2	0.5	10	6.2	9	29	17	7	M5xP0.8	LPGT01...	
TMHLP01-211-M05	2	0.5	11	7.2	9	29	17	7	M5xP0.8	LPGT01...	
TMHLP01-312-M06	3	0.5	12	8.2	11	32	17	9	M6xP1.0	LPGT01...	
TMHLP01-313-M06	3	0.5	13	9.2	11	32	17	9	M6xP1.0	LPGT01...	
TMHLP01-314-M06	3	0.5	14	10.2	13	32	17	10	M6xP1.0	LPGT01...	
TMHLP01-415-M06	4	0.5	15	11.2	13	32	17	10	M6xP1.0	LPGT01...	
TMHLP01-314-M08	3	0.5	14	10.2	13	34.5	17	10	M8xP1.25	LPGT01...	
TMHLP01-415-M08	4	0.5	15	11.2	13	34.5	17	10	M8xP1.25	LPGT01...	
TMHLP01-416-M08	4	0.5	16	12.2	15	43	25	12	M8xP1.25	LPGT01...	
TMHLP01-417-M08	4	0.5	17	13.2	15	43	25	12	M8xP1.25	LPGT01...	

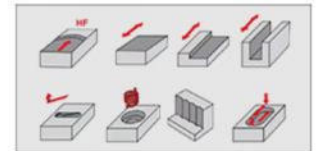
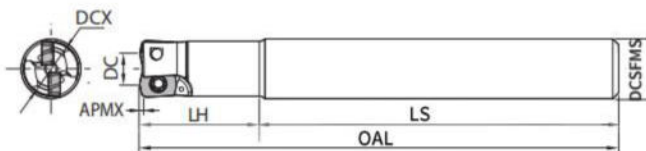
## TEHLP01

### 2刃单面刀片快进给铣刀杆

High Feed End Mills

LPGT01系列

LPGT01 Series



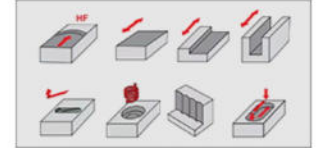
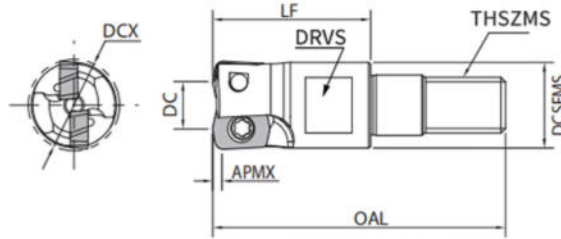
Designation 型号	CICT 齿数	Dimension (mm)/尺寸								INSERT 刀片
		APMX	DCX	DC	DCSFMS	OAL	LH	LS		
TEHLP01-108-10-75	1	0.5	8	4.2	10	75	17	58	LPGT01...	
TEHLP01-108-10-100	1	0.5	8	4.2	10	100	17	83	LPGT01...	
TEHLP01-109-10-100	1	0.5	9	5.2	10	100	19	81	LPGT01...	
TEHLP01-210-10-80	2	0.5	10	6.2	10	80	22	58	LPGT01...	
TEHLP01-210-10-100	2	0.5	10	6.2	10	100	22	78	LPGT01...	
TEHLP01-211-10-100	2	0.5	11	7.2	10	100	11	89	LPGT01...	
TEHLP01-312-12-80	3	0.5	12	8.2	12	80	26	54	LPGT01...	
TEHLP01-312-12-100	3	0.5	12	8.2	12	100	26	74	LPGT01...	
TEHLP01-313-12-100	3	0.5	13	9.2	12	100	13	87	LPGT01...	
TEHLP01-314-16-120	3	0.5	14	10.2	16	120	30	90	LPGT01...	
TEHLP01-415-16-120	4	0.5	15	11.2	14	120	15	105	LPGT01...	
TEHLP01-416-16-120	4	0.5	16	12.2	10	120	35	85	LPGT01...	

## TMHLO03

### 4刃双面刀片快进给锁牙铣刀头

High Feed Modular Heads

LOGU03系列  
LOGU03 Series



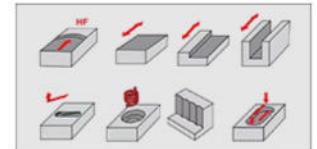
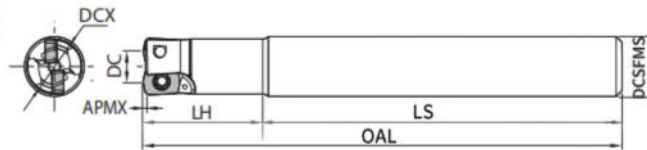
Designation 型号	CICT 齿数	Dimension (mm)/尺寸							THSZMS 螺纹规格	INSERT 刀片
		APMX	DCX	DC	DCSFMS	OAL	LF	DRVS		
TMHLO03-216-M08	2	1	16	8	15	43	25	12	M8xP1.25	LOGU03...
TMHLO03-217-M08	2	1	17	9	15	43	25	12	M8xP1.25	LOGU03...
TMHLO03-218-M08	2	1	18	10	15	43	25	12	M8xP1.25	LOGU03...
TMHLO03-320-M10	3	1	20	12	19	49	29	15	M10xP1.5	LOGU03...
TMHLO03-321-M10	3	1	21	13	19	49	29	15	M10xP1.5	LOGU03...
TMHLO03-425-M12	4	1	25	17	24	57	35	19	M12xP1.75	LOGU03...
TMHLO03-426-M12	4	1	26	18	24	57	35	19	M12xP1.75	LOGU03...
TMHLO03-428-M12	4	1	28	20	24	57	35	19	M12xP1.75	LOGU03...
TMHLO03-532-M16	5	1	32	24	31	63	38	24	M16xP2.0	LOGU03...
TMHLO03-535-M16	5	1	35	27	31	63	38	24	M16xP2.0	LOGU03...

## TEHLO03

### 4刃双面刀片快进给铣刀杆

High Feed End Mills

LOGU03系列  
LOGU03 Series



Designation 型号	CICT 齿数	Dimension (mm)/尺寸							INSERT 刀片
		APMX	DCX	DC	DCSFMS	OAL	LH	LS	
TEHLO03-216-16-100	2	1	16	8	16	100	35	65	LOGU03...
TEHLO03-216-16-160	2	1	16	8	16	160	35	125	LOGU03...
TEHLO03-217-16-100	2	1	17	9	16	100	35	65	LOGU03...
TEHLO03-217-16-120	2	1	17	9	16	120	17	103	LOGU03...
TEHLO03-217-16-160	2	1	17	9	16	160	17	143	LOGU03...
TEHLO03-320-20-120	3	1	20	12	20	120	17	103	LOGU03...
TEHLO03-320-20-160	3	1	20	12	20	160	44	116	LOGU03...
TEHLO03-320-20-200	3	1	20	12	20	200	44	156	LOGU03...
TEHLO03-321-20-120	3	1	21	13	20	120	21	99	LOGU03...
TEHLO03-321-20-160	3	1	21	13	20	160	21	139	LOGU03...
TEHLO03-321-20-200	3	1	21	13	20	200	21	179	LOGU03...
TEHLO03-425-25-120	4	1	25	17	25	120	55	65	LOGU03...
TEHLO03-425-25-160	4	1	25	17	25	160	55	105	LOGU03...
TEHLO03-425-25-180	4	1	25	17	25	180	55	125	LOGU03...
TEHLO03-425-25-200	4	1	25	17	25	200	55	145	LOGU03...
TEHLO03-426-25-120	4	1	26	18	25	120	26	94	LOGU03...
TEHLO03-426-25-160	4	1	26	18	25	160	26	134	LOGU03...
TEHLO03-426-25-200	4	1	26	18	25	200	26	174	LOGU03...
TEHLO03-528-25-160	5	1	28	20	25	160	28	132	LOGU03...
TEHLO03-530-25-160	5	1	30	22	25	160	30	130	LOGU03...
TEHLO03-532-32-120	5	1	32	24	32	120	64	56	LOGU03...
TEHLO03-532-32-160	5	1	32	24	32	160	70	90	LOGU03...
TEHLO03-532-32-200	5	1	32	24	32	200	70	130	LOGU03...
TEHLO03-533-32-160	5	1	33	25	32	160	33	127	LOGU03...
TEHLO03-533-32-200	5	1	33	25	32	200	33	167	LOGU03...

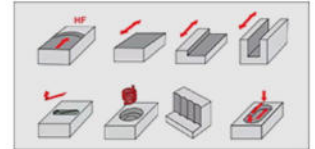
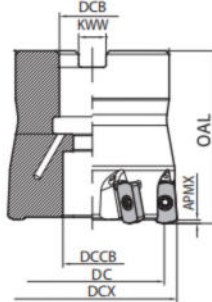
## TFHLO03

### 4刃双面刀片快进给铣刀盘

High Feed Face Mills

LOGU03系列

LOGU03 Series



Designation 型号	CICT 齿数	Dimension (mm)/尺寸							A.R. 前角	INSERT 刀片
		APMX	DCX	DC	DCB	OAL	DCCB	KWW		
TFHLO03-535-16	5	1	35	27	16	40	14	8.4	-10°	LOGU03...
TFHLO03-640-16	6	1	40	32	16	40	14	8.4	-10°	LOGU03...
TFHLO03-850-22	8	1	50	42	22	40	17	10.4	-10°	LOGU03...
TFHLO03-863-22	8	1	63	55	22	40	17	10.4	-10°	LOGU03...
TFHLO03-1080-27	10	1	80	72	27	50	34	12.4	-10°	LOGU03...
TFHLO03-12100-32	12	1	100	92	32	50	42	14.4	-10°	LOGU03...

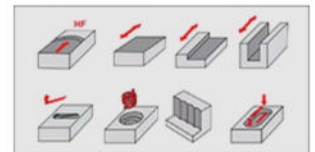
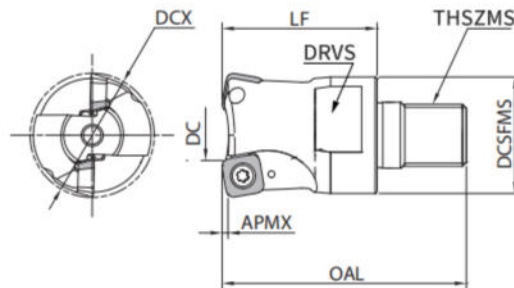
## TMHSO10

### 4刃单面刀片快进给锁牙铣刀头

High Feed Modular Heads

SOMT10系列

SOMT10 Series



Designation 型号	CICT 齿数	Dimension (mm)/尺寸							THSZMS 螺纹规格	INSERT 刀片
		APMX	DCX	DC	DCSFMS	OAL	LF	DRVS		
TMHSO10-120-M10	1	1.5	20	3	19	29	49	15	M10xP1.5	SOMT10...
TMHSO10-121-M10	1	1.5	21	4	19	29	49	15	M10xP1.5	SOMT10...
TMHSO10-225-M12	2	1.5	25	8	24	35	57	19	M12xP1.75	SOMT10...
TMHSO10-226-M12	2	1.5	26	9	24	35	57	19	M12xP1.75	SOMT10...
TMHSO10-332-M16	3	1.5	32	15	31	38	63	24	M16xP2.0	SOMT10...
TMHSO10-333-M16	3	1.5	33	16	31	38	63	24	M16xP2.0	SOMT10...
TMHSO10-335-M16	3	1.5	35	18	31	38	63	24	M16xP2.0	SOMT10...

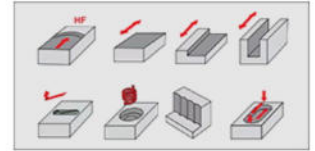
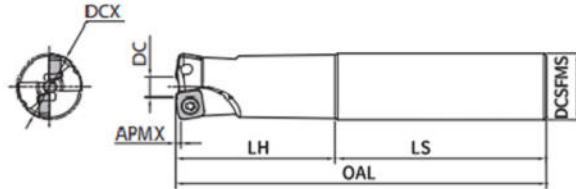
## TEHSO10

### 4刃单面刀片快进给铣刀杆

High Feed End Mills

SOMT10系列

SOMT10 Series



Designation 型号	CICT 齿数	Dimension (mm)/尺寸							A.R. 前角	INSERT 刀片
		APMX	DCX	DC	DCONMS	OAL	LH	LS		
TEHSO10-225-25-120	2	1.5	25	8	25	120	55	65	+10°	SOMT10...
TEHSO10-225-25-160	2	1.5	25	8	25	160	55	105	+10°	SOMT10...
TEHSO10-225-25-200	2	1.5	25	8	25	200	55	145	+10°	SOMT10...
TEHSO10-226-25-160	2	1.5	26	9	25	160	26	134	+10°	SOMT10...
TEHSO10-226-25-200	2	1.5	26	9	25	200	26	174	+10°	SOMT10...
TEHSO10-332-32-120	3	1.5	32	15	32	120	60	60	+10°	SOMT10...
TEHSO10-332-32-160	3	1.5	32	15	32	160	70	90	+10°	SOMT10...
TEHSO10-332-32-200	3	1.5	32	15	32	200	70	130	+10°	SOMT10...
TEHSO10-333-32-160	3	1.5	33	16	32	160	33	127	+10°	SOMT10...
TEHSO10-333-32-200	3	1.5	33	16	32	200	33	167	+10°	SOMT10...

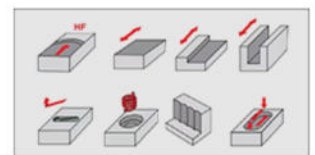
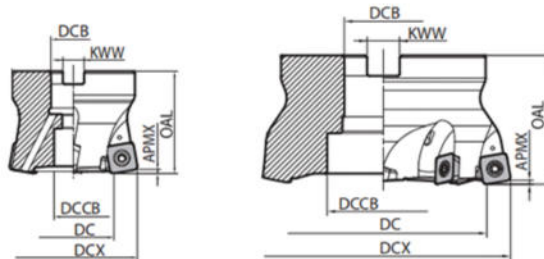
## TFHSO10/14

### 四刃单面刀片快进给铣刀盘

High Feed Face Mills

SOMT10/14系列

SOMT10/14 Series

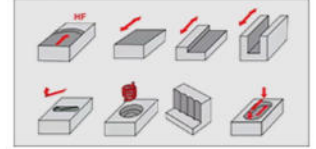
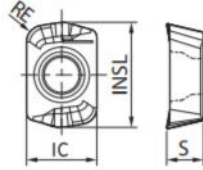


Designation 型号	CICT 齿数	Dimension (mm)/尺寸							A.R. 前角	INSERT 刀片
		APMX	DCX	DC	DCB	OAL	DCCB	KWW		
TFHSO10-440-16	4	1.5	40	23	16	40	9	8.4	+10°	SOMT10...
TFHSO10-550-22	5	1.5	50	33	22	40	11	10.4	+10°	SOMT10...
TFHSO10-663-22	6	1.5	63	46	22	40	11	10.4	+10°	SOMT10...
TFHSO10-780-27	7	1.5	80	63	27	50	13	12.4	+10°	SOMT10...
TFHSO14-450-22	4	2	50	27	22	40	11	10.4	+10°	SOMT14...
TFHSO14-563-22	5	2	63	40	22	40	11	10.4	+10°	SOMT14...
TFHSO14-680-27	6	2	80	57	27	50	13	12.4	+10°	SOMT14...
TFHSO14-7100-32	7	2	100	77	32	50	17	14.4	+10°	SOMT14...
TFHSO14-8125-40	8	2	125	102	40	55	55	16.4	+10°	SOMT14...
TFHSO14-10160-40	10	2	160	137	40	55	90	16.4	+10°	SOMT14...

## LPGT010210

2刃单面快进给铣刀片  
High Feed Face Mill Inserts

LPGT01系列  
LPGT01 Series



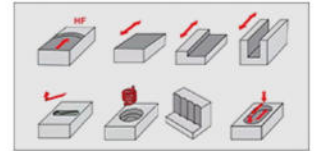
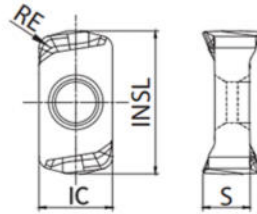
Designation 型号	Dimension (mm)/尺寸							Grade/材质	
	IC/宽度	S/厚度	RE/圆角	APMX/最大切深	INSL/高度	Screw/螺丝	Wrench/扳手	SH1125	SH2025+
LPGT010210-GM	4.19	2.19	1.0	0.5	6.26	TSA-18040-1	TWA-T6	○	○

○ 开发中

## LOGU030310

4刃双面快进给铣刀片  
High Feed Face Mill Inserts

LOGU03系列  
LOGU03 Series



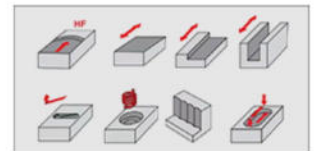
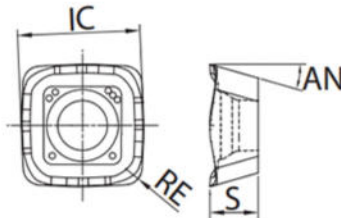
Designation 型号	Dimension (mm)/尺寸							Grade/材质	
	IC/宽度	S/厚度	RE/圆角	APMX/最大切深	INSL/高度	Screw/螺丝	Wrench/扳手	SH1125	SH2025+
LOGU030310-GM	6.2	3.96	1.0	1	11.9	TSA-30064-1	TWA-T8	○	○

○ 开发中

## SOMT10/14

4刃单面快进给铣刀片  
High Feed Face Mill Inserts

SOMT10/14系列  
SOMT10/14 Series

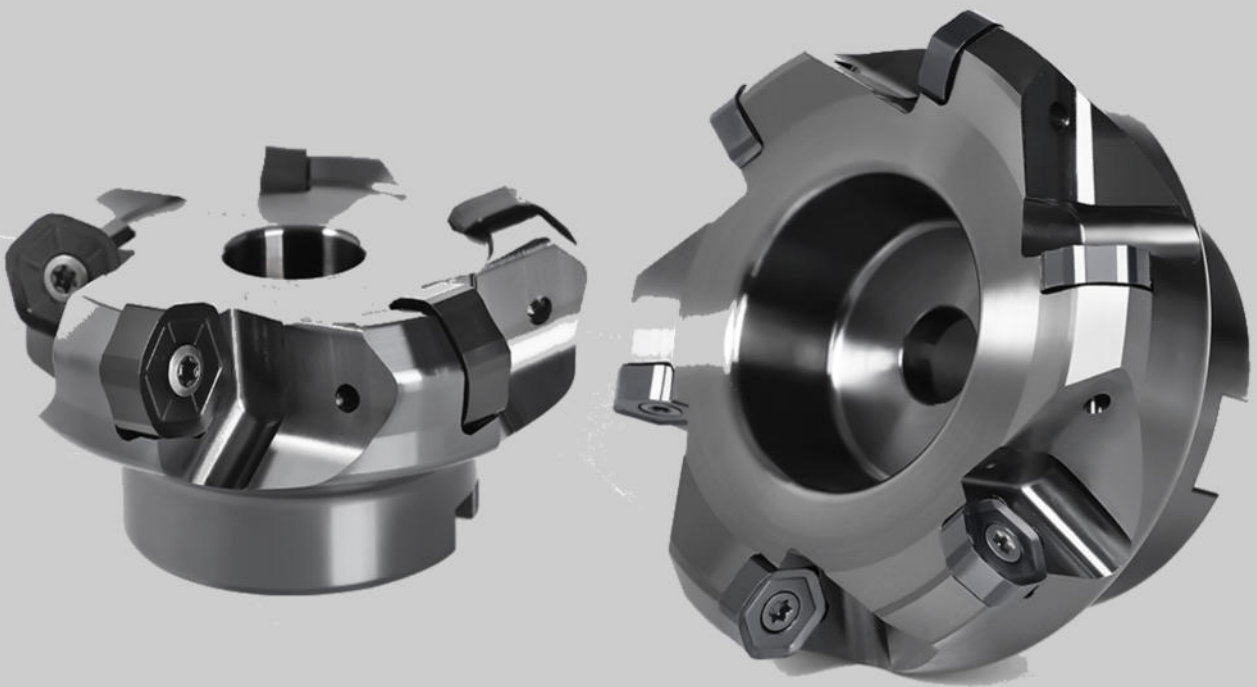


Designation 型号	Dimension (mm)/尺寸						Grade/材质		
	IC/大小	S/厚度	RE/圆角	APMX/最大切深	AN/后角	Screw/螺丝	Wrench/扳手	SH1125	SH2025+
SOMT100420-GM	10.30	4.58	2.0	1.5	16°	TSA-40100-1	TWA-T15	○	○
SOMT140520-GM	14.14	5.56	2.0	2.0	16°	TSA-50120-1	TWA-T20	○	○



MILLING TOOLS SERIES

**HNPJ07 / HNGU09**



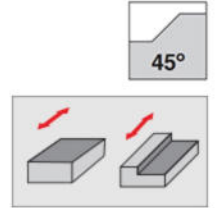
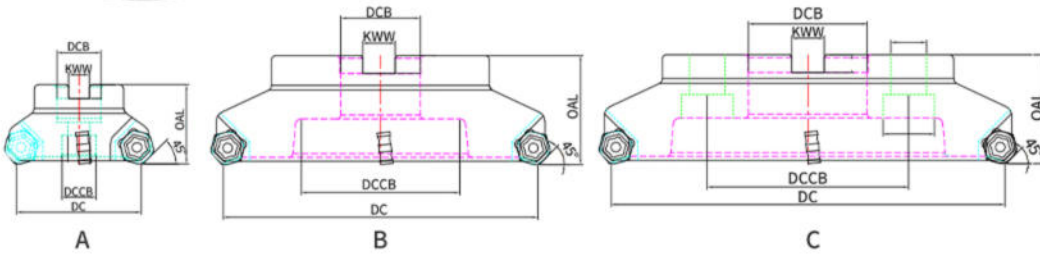
# TF45HN07/09

## 12刃双面铣刀盘

Face Mill Cutter

HNPJ07/HNGU09系列

HNPJ07/HNGU09 Series



Designation 型号	CICT 齿数	Dimension (mm)/尺寸							Type	Angel 角度	INSERT 刀片
		APMX	DC	DCB	OAL	DCCB	KWW				
TF45HN07-450-22	4	3.5	50	22	40	14	8.4	A	45°	HNPJ07...	
TF45HN07-563-22	5	3.5	63	22	40	14	8.4	A	45°	HNPJ07...	
TF45HN07-680-27	6	3.5	80	27	40	17	10.4	A	45°	HNPJ07...	
TF45HN07-7100-32	7	3.5	100	32	40	17	10.4	A	45°	HNPJ07...	
TF45HN07-8125-40	8	3.5	125	40	50	34	12.4	B	45°	HNPJ07...	
TF45HN07-10160-40	10	3.5	160	40	40	14	8.4	B	45°	HNPJ07...	
TF45HN09-450-22	4	4.5	50	22	40	17	10.4	A	45°	HNGU09...	
TF45HN09-563-22	5	4.5	63	22	40	17	10.4	A	45°	HNGU09...	
TF45HN09-680-27	6	4.5	80	27	50	34	12.4	A	45°	HNGU09...	
TF45HN09-7100-32	7	4.5	100	32	50	42	14.4	A	45°	HNGU09...	
TF45HN09-8125-40	8	4.5	125	40	55	50	16.4	B	45°	HNGU09...	
TF45HN09-10160-40	10	4.5	160	40	55	80	16.4	B	45°	HNGU09...	
TF45HN09-12200-60	12	4.5	200	60	55	101.6	25.8	C	45°	HNGU09...	
TF45HN09-14250-60	14	4.5	250	60	55	101.6	25.8	C	45°	HNGU09...	

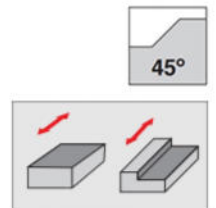
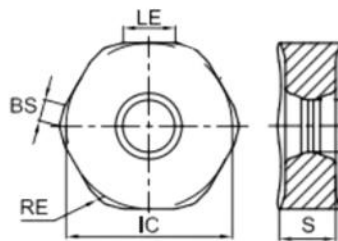
# HNPJ07/HNGU09

## 12刃双面铣刀片

Face Mill Inserts

HNPJ07/HNGU09系列

HNPJ07/HNGU09 Series



Designation 型号	Dimension (mm)/尺寸							Grade/材质	
	IC/大小	S/厚度	RE/圆角	LE/切削刃长度	BS/刀尖刃口长度	Screw/螺丝	Wrench/扳手	SH1125	SH2025+
HNPJ0704AN-GD	12.7	4.45	1.2	1.5	1.45	TSA-40100-1	TWA-T15	○	○
HNGU0905AN-GM	15.88	5.56	1.2	1.2	1.35	TSA-40100-1	TWA-T15	○	○



Milling Tool

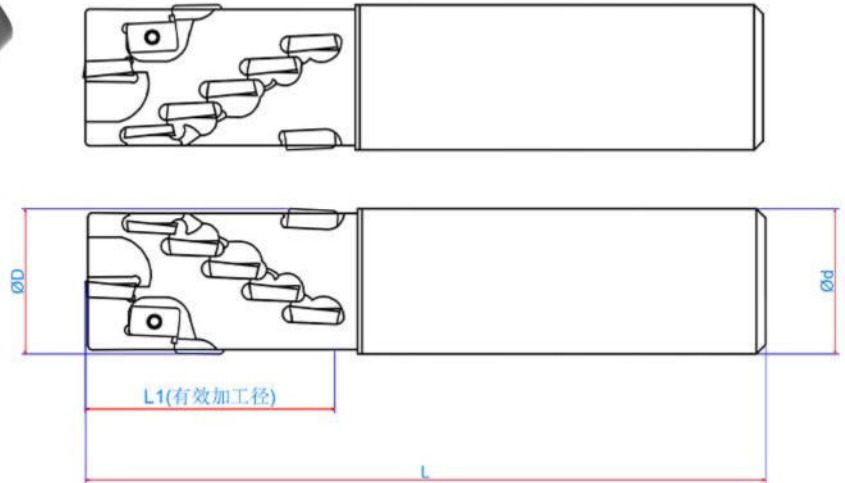
TSM300/400



# TSM300/400

玉米铣刀杆  
Helical Shell Mill

TSM300/400系列  
TSM300/400 Series

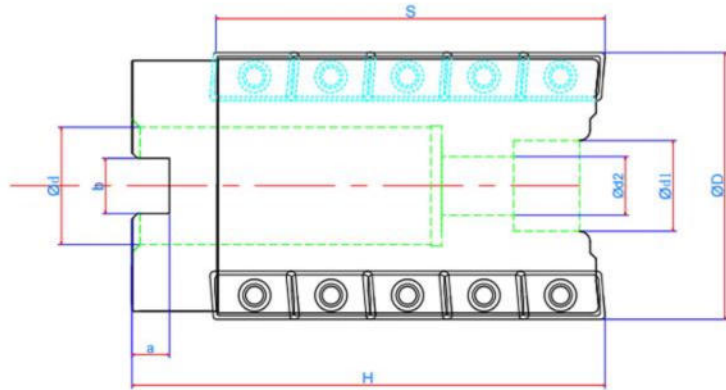


Designation 型号	CICT 齿数	INSERT 刀片	Dimension (mm)/尺寸						Screw 螺丝	Wrench 扳手			
			ØD	Ød	L	L1	L2	H					
TSM300-219-20-26M-6-120	6	AP□□1135	19	20	120	26	58	23	TSA-25002-2	TWA-T8			
TSM300-220-20-26M-6-120	6		20	20	120	26	58	23					
TSM300-219-20-44M-10-130	10		19	20	130	44	58	23					
TSM300-220-20-44M-10-130	10		20	20	130	44	58	23					
TSM300-219-20-70M-16-150	16		19	20	150	70	58	23					
TSM300-220-20-70M-16-150	16		20	20	150	70	58	23					
TSM300-224-25-35M-8-130	8		24	25	130	35	58	23					
TSM300-225-25-35M-8-130	8		25	25	130	35	58	23					
TSM300-224-25-44M-10-130	10		24	25	130	44	58	23					
TSM300-225-25-44M-10-130	10		25	25	130	44	58	23					
TSM300-224-25-70M-16-150	16		24	25	150	70	58	23					
TSM300-225-25-44M-16-150	16		25	25	150	70	58	23					
TSM300-331-32-44M-15-150	15		31	32	150	44	58	30					
TSM300-332-32-44M-15-150	15		32	32	150	44	58	30					
TSM400-231-32-41M-6-150	6		AP□□1604	31	32	150	41	58			30	TSA-40001-2	TWA-T15
TSM400-232-32-41M-6-150	6			32	32	150	41	58			30		
TSM400-231-32-69M-10-150	10			31	32	150	69	58			30		
TSM400-232-32-69M-10-150	10			32	32	150	69	58			30		
TSM400-234-32-55M-8-150	8	34		32	150	55	58	30					
TSM400-235-32-55M-8-150	8	35		32	150	55	58	30					
TSM400-234-32-69M-10-150	10	34		32	150	69	58	30					
TSM400-235-32-69M-10-150	10	35		32	150	69	58	30					
TSM400-339-32-69M-15-150	15	39		32	150	69	58	37					
TSM400-340-32-69M-15-150	15	40		32	150	69	58	37					
TSM400-339-32-97M-21-200	21	39		32	200	97	108	37					
TSM400-340-32-97M-21-200	21	40		32	200	97	108	37					

## TSM400

加长型玉米铣刀盘  
Long Helical Shell Mill

TSM400系列  
TSM400 Series

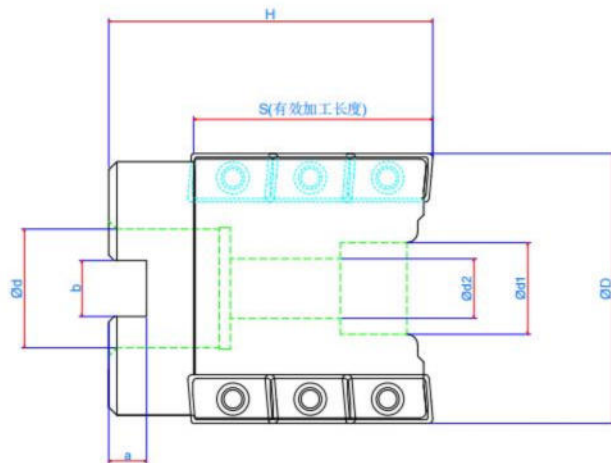


Designation 型号	CIC 齿数	INSERT 刀片	Dimension (mm)/尺寸								Screw 螺丝	Wrench 扳手
			ØD	Ød	Ød1	Ød2	H	S	b	a		
TSM400-450-69M-20-22	20	AP□□1604	50	22	17	11	90	69	10.4	7	TSA-40001-2	TWA-T15
TSM400-450-97M-28-22	28		50	22	17	11	120	97	10.4	7		
TSM400-463-69M-20-27	20		63	27	20	14	90	69	12.4	7		
TSM400-463-97M-28-27	28		63	27	20	14	120	97	12.4	7		
TSM400-580-80M-30-32	30		80	32	27	18	110	80	14.4	9		
TSM400-580-120M-45-32	45		80	32	27	18	150	120	14.4	9		
TSM400-6100-80M-36-40	36		100	40	32	22	110	80	16.4	9		
TSM400-6100-120M-54-40	54		100	40	32	22	150	120	16.4	9		

## TSM400

标准型玉米铣刀盘  
Helical Shell Mill

TSM400系列  
TSM400 Series



Designation 型号	CIC 齿数	INSERT 刀片	Dimension (mm)/尺寸								Screw 螺丝	Wrench 扳手
			ØD	Ød	Ød1	Ød2	H	S	b	a		
TSM400-450-41M-12-22	12	AP□□1604	50	22	17	11	60	41	10.4	7	TSA-40001-2	TWA-T15
TSM400-450-55M-16-22	16		50	22	17	11	75	55	10.4	7		
TSM400-463-41M-12-27	12		63	27	20	14	60	41	12.4	7		
TSM400-463-55M-16-27	16		63	27	20	14	75	55	12.4	7		
TSM400-580-69M-25-32	25		80	32	27	18	95	69	14.4	9		
TSM400-6100-72M-36-40	36		100	40	32	22	110	72	16.4	9		

MILLING TOOLS SERIES

**JDMT070204**



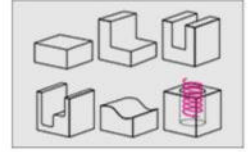
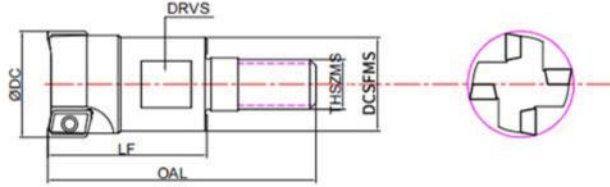
## TM90JD07

### 2刃单面刀片清角锁牙铣刀头

Modular heads

JDMT07系列

JDMT07 Series



Designation 型号	CICT 齿数	Dimension (mm)/尺寸							THSZMS 螺纹规格	Angel 角度	INSERT 刀片
		APMX	DCX	DC	DCSFMS	OAL	LF	DRVS			
TM90JD07-108-M04	1	5	8	8	7.8	28	17	7	M4xP0.7	90°	JDMT07...
TM90JD07-109-M04	1	5	9	9	7.8	28	17	7	M4xP0.7	90°	JDMT07...
TM90JD07-210-M05	2	5	10	10	9	29	17	7	M5xP0.8	90°	JDMT07...
TM90JD07-211-M05	2	5	11	11	9	29	17	7	M5xP0.8	90°	JDMT07...
TM90JD07-312-M06	3	5	12	12	11	32	17	9	M6xP1.0	90°	JDMT07...
TM90JD07-313-M06	3	5	13	13	11	32	17	9	M6xP1.0	90°	JDMT07...
TM90JD07-314-M06	3	5	14	14	13	32	17	10	M6xP1.0	90°	JDMT07...
TM90JD07-314-M08	3	5	14	14	13	34.5	17	10	M8xP1.25	90°	JDMT07...
TM90JD07-416-M08	4	5	16	16	15	43	25	12	M8xP1.25	90°	JDMT07...
TM90JD07-417-M08	4	5	17	17	15	43	25	12	M8xP1.25	90°	JDMT07...

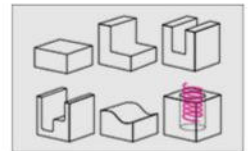
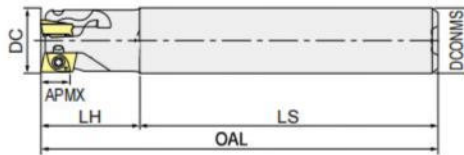
## TE90JD07

### 2刃单面刀片清角铣刀杆

End Mill Cutter

JDMT07系列

JDMT07 Series



Designation 型号	CICT 齿数	Dimension (mm)/尺寸							Angel 角度	INSERT 刀片
		APMX	DCX	DC	DCONMS	OAL	LH	LS		
TE90JD07-108-10-100	1	5	8	8	10	100	17	83	90°	JDMT07...
TE90JD07-109-10-100	1	5	9	9	10	100	19	81	90°	JDMT07...
TE90JD07-210-10-100	2	5	10	10	10	100	22	78	90°	JDMT07...
TE90JD07-210-10-120	2	5	10	10	10	120	22	98	90°	JDMT07...
TE90JD07-211-10-100	2	5	11	11	10	100	11	89	90°	JDMT07...
TE90JD07-211-10-120	2	5	11	11	10	120	11	109	90°	JDMT07...
TE90JD07-312-12-80	3	5	12	12	12	80	26	54	90°	JDMT07...
TE90JD07-312-12-100	3	5	12	12	12	100	26	74	90°	JDMT07...
TE90JD07-312-12-120	3	5	12	12	12	120	26	94	90°	JDMT07...
TE90JD07-313-12-120	3	5	13	13	12	120	13	107	90°	JDMT07...
TE90JD07-314-14-100	3	5	14	14	14	100	30	70	90°	JDMT07...
TE90JD07-314-14-120	3	5	14	14	14	120	30	90	90°	JDMT07...
TE90JD07-314-14-160	3	5	14	14	14	160	30	130	90°	JDMT07...
TE90JD07-315-14-120	3	5	15	15	14	120	15	105	90°	JDMT07...
TE90JD07-315-14-160	3	5	15	15	14	160	15	145	90°	JDMT07...
TE90JD07-416-16-100	4	5	16	16	16	100	35	65	90°	JDMT07...
TE90JD07-416-16-120	4	5	16	16	16	120	35	85	90°	JDMT07...
TE90JD07-416-16-160	4	5	16	16	16	160	35	125	90°	JDMT07...
TE90JD07-417-16-120	4	5	17	17	16	120	17	103	90°	JDMT07...
TE90JD07-417-16-160	4	5	17	17	16	160	17	143	90°	JDMT07...

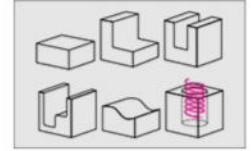
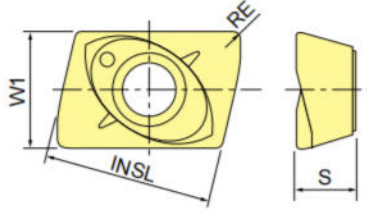
# JDMT070204

## 2刃单面清角铣刀片

Shoulder Mill Inserts

JDMT07系列

JDMT07 Series



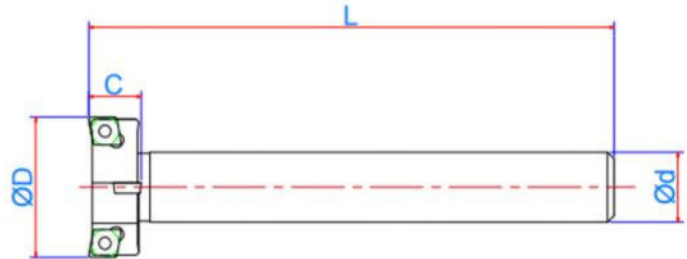
Designation 型号	Dimension (mm)/尺寸							Grade/材质	
	INSL/边长	S/厚度	RE/圆角	APMX/最大切深	W1/宽度	Screw/螺丝	Wrench/扳手	SH1125	SH2025+
JDMT070204R	6.4	2.45	0.4	5	4.3	TSA-18040-1	TWA-T6	○	○

Milling Tool



# TMC

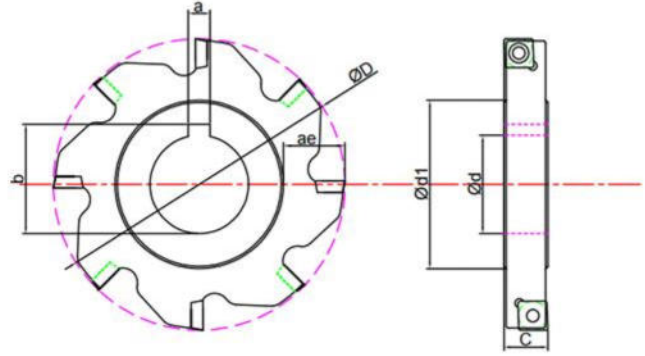
## T型槽铣刀-CC06 Slot Milling Cutters

 TMC-CC06系列  
TMC-CC06 Series


Designation 型号	CICT 齿数	INSERT 刀片	Dimension (mm)/尺寸				Screw 螺丝	Wrench 扳手
			D	C	L	d		
TMC-20-H08-C14-T2-80-CC06	2	CC□T0602	20	8	80	14	TSA-25002-2	TWA-T8
TMC-20-H08-C14-T2-120-CC06	2		20	8	120	14		
TMC-20-H08-C14-T2-150-CC06	2		20	8	150	14		
TMC-20-H10-C14-T2-80-CC06	2		20	10	80	14		
TMC-20-H10-C14-T2-120-CC06	2		20	10	120	14		
TMC-20-H10-C14-T2-150-CC06	2		20	10	150	14		
TMC-25-H08-C16-T4-80-CC06	4		25	8	80	16		
TMC-25-H08-C16-T4-120-CC06	4		25	8	120	16		
TMC-25-H08-C16-T4-150-CC06	4		25	8	150	16		
TMC-25-H10-C16-T4-80-CC06	4		25	10	80	16		
TMC-25-H10-C16-T4-120-CC06	4		25	10	120	16		
TMC-25-H10-C16-T4-150-CC06	4		25	10	150	16		
TMC-30-H08-C16-T4-80-CC06	4		30	8	80	16		
TMC-30-H08-C16-T4-120-CC06	4		30	8	120	16		
TMC-30-H08-C16-T4-150-CC06	4		30	8	150	16		
TMC-30-H10-C16-T4-80-CC06	4		30	10	80	16		
TMC-30-H10-C16-T4-120-CC06	4		30	10	120	16		
TMC-30-H10-C16-T4-150-CC06	4		30	10	150	16		
TMC-35-H08-C20-T4-80-CC06	4		35	8	80	20		
TMC-35-H08-C20-T4-120-CC06	4		35	8	120	20		
TMC-35-H08-C20-T4-150-CC06	4		35	8	150	20		
TMC-35-H10-C20-T4-80-CC06	4		35	10	80	20		
TMC-35-H10-C20-T4-120-CC06	4		35	10	120	20		
TMC-35-H10-C20-T4-150-CC06	4		35	10	150	20		
TMC-40-H08-C20-T6-80-CC06	6		40	8	80	20		
TMC-40-H08-C20-T6-120-CC06	6		40	8	120	20		
TMC-40-H08-C20-T6-150-CC06	6		40	8	150	20		
TMC-40-H10-C20-T6-80-CC06	6		40	10	80	20		
TMC-40-H10-C20-T6-120-CC06	6		40	10	120	20		
TMC-40-H10-C20-T6-150-CC06	6		40	10	150	20		
TMC-50-H08-C25-T6-80-CC06	6		50	8	80	25		
TMC-50-H08-C25-T6-120-CC06	6		50	8	120	25		
TMC-50-H08-C25-T6-150-CC06	6		50	8	150	25		
TMC-50-H10-C25-T6-80-CC06	6		50	10	80	25		
TMC-50-H10-C25-T6-120-CC06	6		50	10	120	25		
TMC-50-H10-C25-T6-150-CC06	6		50	10	150	25		
TMC-63-H10-C32-T8-80-CC06	8		63	10	80	32		
TMC-63-H10-C32-T8-120-CC06	8		63	10	120	32		
TMC-63-H10-C32-T8-150-CC06	8		63	10	150	32		
TMC-80-H10-C32-T8-80-CC06	8		80	10	80	32		
TMC-80-H10-C32-T8-120-CC06	8	80	10	120	32			
TMC-80-H10-C32-T8-150-CC06	8	80	10	150	32			

# SMC

## 盘式三面刃铣刀-MPHT Slot Milling Cutters

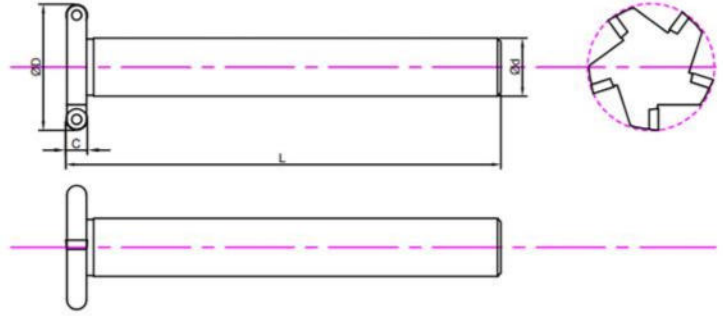
 SMC-MPHT系列  
SMC-MPHT Series


Designation 型号	CICT 齿数	INSERT 刀片	Dimension (mm)/尺寸							Screw 螺丝	Wrench 扳手
			ØD	Ød	Ød1	ae	C	b	a		
SMC-63-8-22-8T	8	MPHT06	63	22	35.2	13	8	25	7	TSA-25002-2	TWA-T8
SMC-63-10-22-8T	8	MPHT08	63	22	35.2	13	10	25	7	TSA-30002-2	TWA-T8
SMC-63-12-22-8T	8		63	22	35.2	13	12	25	7	TSA-50002-2	TWA-T20
SMC-63-16-22-6T	6	MPHT12	63	22	35.8	13	16	25	7	TSA-50002-2	TWA-T20
SMC-80-8-27-10T	10	MPHT06	80	27	46.2	16	8	31	7	TSA-25002-2	TWA-T8
SMC-80-10-27-10T	10		80	27	46.2	16	10	31	7	TSA-25002-2	TWA-T8
SMC-80-12-27-10T	10	MPHT08	80	27	46.2	16	12	31	7	TSA-30002-2	TWA-T8
SMC-80-16-27-6T	6	MPHT12	80	27	46.8	16	16	31	7	TSA-50002-2	TWA-T20
SMC-100-8-27-12T	12	MPHT06	100	27	46.2	26	8	31	7	TSA-25002-2	TWA-T8
SMC-100-10-27-12T	12		100	27	46.2	26	10	31	7	TSA-25002-2	TWA-T8
SMC-100-12-27-10T	10	MPHT08	100	27	46.2	26	12	31	7	TSA-30002-2	TWA-T8
SMC-100-16-27-8T	8	MPHT12	100	27	46.8	26	16	31	7	TSA-50002-2	TWA-T20
SMC-100-8-32-12T	12	MPHT06	100	32	50.2	24	8	36	8	TSA-25002-2	TWA-T8
SMC-100-10-32-12T	12		100	32	50.2	24	10	36	8	TSA-25002-2	TWA-T8
SMC-100-12-32-10T	10	MPHT08	100	32	50.2	24	12	36	8	TSA-30002-2	TWA-T8
SMC-100-16-32-8T	8	MPHT12	100	32	50.8	24	16	36	8	TSA-50002-2	TWA-T20
SMC-100-20-32-8T	8		100	32	50.8	24	20	36	8	TSA-50002-2	TWA-T20
SMC-125-8-40-14T	14	MPHT06	125	40	59.2	32	8	45	10	TSA-25002-2	TWA-T8
SMC-125-10-40-14T	14		125	40	59.2	32	10	45	10	TSA-25002-2	TWA-T8
SMC-125-12-40-12T	12	MPHT08	125	40	59.2	32	12	45	10	TSA-30002-2	TWA-T8
SMC-125-16-40-8T	8	MPHT12	125	40	59.8	32	16	45	10	TSA-50002-2	TWA-T20
SMC-125-20-40-8T	8		125	40	59.8	32	20	45	10	TSA-50002-2	TWA-T20
SMC-160-10-40-16T	16	MPHT06	160	40	59.2	49	10	45	10	TSA-25002-2	TWA-T8
SMC-160-12-40-12T	12	MPHT08	160	40	59.2	49	12	45	10	TSA-30002-2	TWA-T8
SMC-160-16-40-10T	10	MPHT12	160	40	59.8	49	16	45	10	TSA-50002-2	TWA-T20
SMC-160-20-40-10T	10		160	40	59.8	49	20	45	10	TSA-50002-2	TWA-T20
SMC-200-10-50-16T	16	MPHT06	200	50	71.2	63	10	55.2	14	TSA-25002-2	TWA-T8
SMC-200-12-50-16T	16	MPHT08	200	50	71.2	63	12	55.2	14	TSA-30002-2	TWA-T8
SMC-200-16-50-16T	16	MPHT12	200	50	71.8	63	16	55.2	14	TSA-50002-2	TWA-T20
SMC-200-20-50-16T	16		200	50	71.8	63	20	55.2	14	TSA-50002-2	TWA-T20
SMC-250-10-50-16T	16	MPHT06	250	50	71.2	88	10	55.2	14	TSA-25002-2	TWA-T8
SMC-250-12-50-16T	16	MPHT08	250	50	71.2	88	12	55.2	14	TSA-30002-2	TWA-T8
SMC-250-16-50-16T	16	MPHT12	250	50	71.8	88	16	55.2	14	TSA-50002-2	TWA-T20
SMC-250-20-50-16T	16		250	50	71.8	88	20	55.2	14	TSA-50002-2	TWA-T20

# TMR

## 圆角T型槽铣刀-RC/RP Slot Milling Cutters

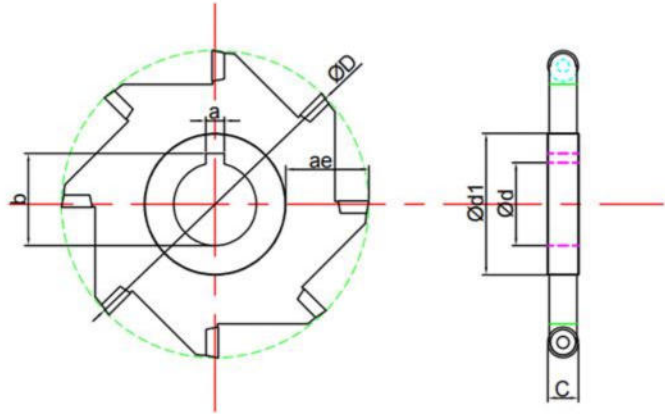
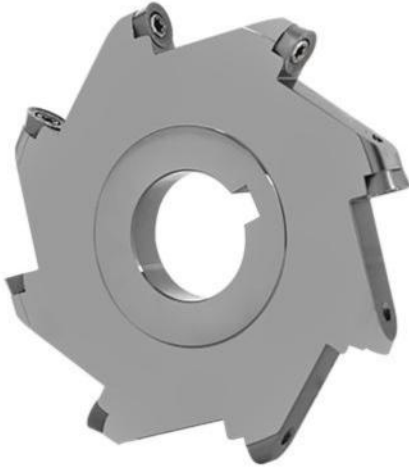
TMR-RC/RP系列  
TMR-RC/RP Series



Designation 型号	CICT 齿数	INSERT 刀片	Dimension (mm)/尺寸				Screw 螺丝	Wrench 扳手
			D	C	L	d		
TMR-20-R3-C14-T3-120	3	RC□T0602	20	6	120	14	TSA-25002-2	TWA-T8
TMR-20-R4-C14-T2-120	2	RP□T08T2	20	8	120	14	TSA-25002-2	TWA-T8
TMR-25-R3-C14-T4-120	4	RC□T0602	25	6	120	14	TSA-25002-2	TWA-T8
TMR-25-R4-C14-T3-120	3	RP□T08T2	25	8	120	14	TSA-25002-2	TWA-T8
TMR-25-R5-C14-T2-120	2	RP□T10T3	25	10	120	14	TSA-35003-2	TWA-T15
TMR-30-R3-C16-T5-120	5	RC□T0602	30	6	120	16	TSA-25002-2	TWA-T8
TMR-30-R4-C16-T4-120	4	RP□T08T2	30	8	120	16	TSA-25002-2	TWA-T8
TMR-30-R5-C16-T3-120	3	RP□T10T3	30	10	120	16	TSA-35003-2	TWA-T15
TMR-30-R6-C16-T2-120	2	RP□T1204	30	12	120	16	TSA-40001-2	TWA-T15
TMR-35-R3-C16-T5-120	5	RC□T0602	35	6	120	16	TSA-25002-2	TWA-T8
TMR-35-R4-C16-T5-120	5	RP□T08T2	35	8	120	16	TSA-25002-2	TWA-T8
TMR-35-R5-C16-T3-120	3	RP□T10T3	35	10	120	16	TSA-35003-2	TWA-T15
TMR-35-R6-C16-T2-120	2	RP□T1204	35	12	120	16	TSA-40001-2	TWA-T15
TMR-40-R3-C20-T6-120	6	RC□T0602	40	6	120	20	TSA-25002-2	TWA-T8
TMR-40-R4-C20-T5-120	5	RP□T08T2	40	8	120	20	TSA-25002-2	TWA-T8
TMR-40-R5-C20-T4-120	4	RP□T10T3	40	10	120	20	TSA-35003-2	TWA-T15
TMR-40-R6-C20-T3-120	3	RP□T1204	40	12	120	20	TSA-40001-2	TWA-T15
TMR-45-R3-C20-T6-120	6	RC□T0602	45	6	120	20	TSA-25002-2	TWA-T8
TMR-45-R4-C20-T5-120	5	RP□T08T2	45	8	120	20	TSA-25002-2	TWA-T8
TMR-45-R5-C20-T4-120	4	RP□T10T3	45	10	120	20	TSA-35003-2	TWA-T15
TMR-45-R6-C20-T4-120	4	RP□T1204	45	12	120	20	TSA-40001-2	TWA-T15
TMR-50-R3-C25-T6-120	6	RC□T0602	50	6	120	25	TSA-25002-2	TWA-T8
TMR-50-R4-C25-T6-120	6	RP□T08T2	50	8	120	25	TSA-25002-2	TWA-T8
TMR-50-R5-C25-T4-120	4	RP□T10T3	50	10	120	25	TSA-35003-2	TWA-T15
TMR-50-R6-C25-T4-120	4	RP□T1204	50	12	120	25	TSA-40001-2	TWA-T15

# TMR

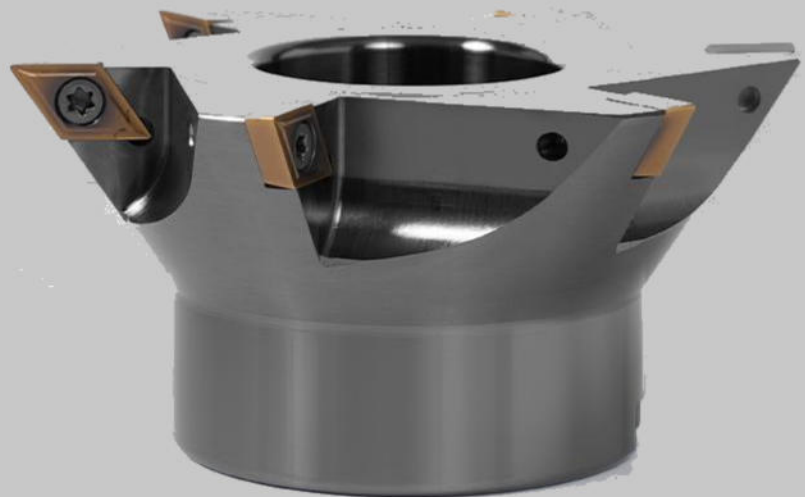
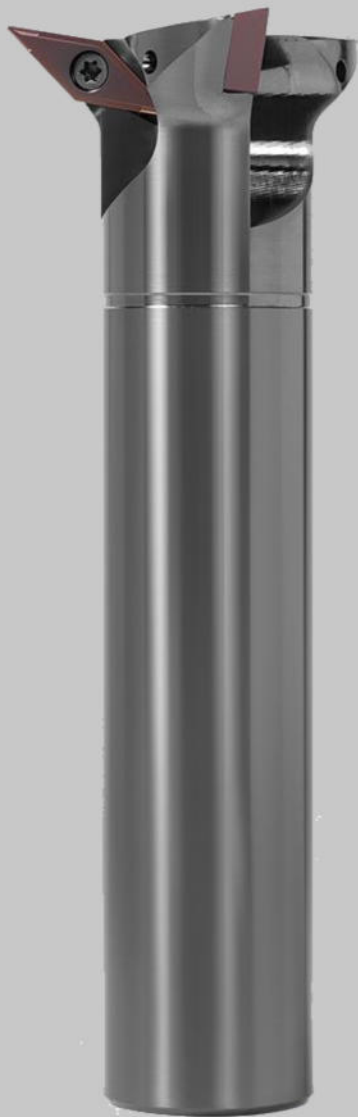
## 盘式三面刃铣刀-RC/RP Slot Milling Cutters

 TMR-RC/RP系列  
TMR-RC/RP Series


Designation 型号	CICT 齿数	INSERT 刀片	Dimension (mm)/尺寸							Screw 螺丝	Wrench 扳手
			ØD	Ød	Ød1	ae	C	b	a		
TMR-63-R3-8-M22	8	RC□□0602	63	22	34.4	14.3	6	25	7	TSA-25002-2	TWA-T8
TMR-63-R4-6-M22	6	RP□□08T2	63	22	34.4	14.3	8	25	7	TSA-25002-2	TWA-T8
TMR-63-R5-6-M22	6	RP□□10T3	63	22	34.4	14.3	10	25	7	TSA-35003-2	TWA-T10
TMR-63-R6-5-M22	5	RP□□1204	63	22	34.4	14.3	12	25	7	TSA-40001-2	TWA-T15
TMR-80-R3-8-M27	8	RC□□0602	80	27	46	17	6	31	7	TSA-25002-2	TWA-T8
TMR-80-R4-7-M27	7	RP□□08T2	80	27	46	17	8	31	7	TSA-25002-2	TWA-T8
TMR-80-R5-6-M27	6	RP□□10T3	80	27	46	17	10	31	7	TSA-35003-2	TWA-T10
TMR-80-R6-6-M27	6	RP□□1204	80	27	46	17	12	31	7	TSA-40001-2	TWA-T15
TMR-100-R3-10-M27	10	RC□□0602	100	27	46	27	6	31	7	TSA-25002-2	TWA-T8
TMR-100-R4-8-M27	8	RP□□08T2	100	27	46	27	8	31	7	TSA-25002-2	TWA-T8
TMR-100-R5-8-M27	8	RP□□10T3	100	27	46	27	10	31	7	TSA-35003-2	TWA-T10
TMR-100-R6-6-M27	6	RP□□1204	100	27	46	27	12	31	7	TSA-40001-2	TWA-T15
TMR-125-R4-10-M32	10	RP□□08T2	125	32	49.3	37.5	8	36	8	TSA-25002-2	TWA-T8
TMR-125-R5-8-M32	8	RP□□10T3	125	32	49.3	37.5	10	36	8	TSA-35003-2	TWA-T10
TMR-125-R6-8-M32	8	RP□□1204	125	32	49.3	37.5	12	36	8	TSA-40001-2	TWA-T15
TMR-125-R8-6-M32	6	RD□□1604	125	32	49.3	37.5	16	36	8	待定	待定
TMR-160-R4-12-M40	12	RP□□08T2	160	40	58.3	50.5	8	45	10	TSA-25002-2	TWA-T8
TMR-160-R5-10-M40	10	RP□□10T3	160	40	58.3	50.5	10	45	10	TSA-35003-2	TWA-T10
TMR-160-R6-8-M40	8	RP□□1204	160	40	58.3	50.5	12	45	10	TSA-40001-2	TWA-T15
TMR-160-R8-8-M40	8	RD□□1604	160	40	58.3	50.5	16	45	10	待定	待定
TMR-200-R5-12-M50	12	RP□□10T3	200	50	70.3	64.5	10	55.2	14	TSA-35003-2	TWA-T10
TMR-200-R6-10-M50	10	RP□□1204	200	50	70.3	64.5	12	55.2	14	TSA-40001-2	TWA-T15
TMR-200-R8-8-M50	8	RD□□1604	200	50	70.3	64.5	16	55.2	14	待定	待定
TMR-200-R10-8-M50	8	RD□□2006	200	50	70.3	64.5	20	55.2	14	待定	待定
TMR-250-R5-12-M50	12	RP□□10T3	250	50	70.3	89.5	10	55.2	14	TSA-35003-2	TWA-T10
TMR-250-R6-12-M50	12	RP□□1204	250	50	70.3	89.5	12	55.2	14	TSA-40001-2	TWA-T15
TMR-250-R8-10-M50	10	RD□□1604	250	50	70.3	89.5	16	55.2	14	待定	待定
TMR-250-R10-8-M50	8	RD□□2006	250	50	70.3	89.5	20	55.2	14	待定	待定

Milling Tool

TAM



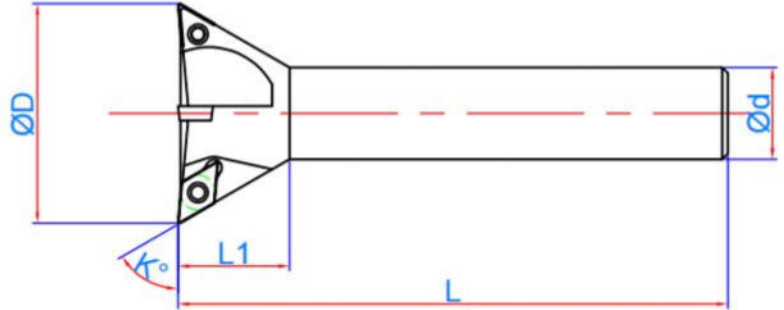
# TAM

## 燕尾槽铣刀-45/55/60

Slot Milling Cutters

TAM-45/55/60系列

TAM-45/55/60 Series



Designation 型号	CICT 齿数	INSERT 刀片	Dimension (mm)/尺寸					Screw 螺丝	Wrench 扳手
			D	Ød	L	L1	K°		
TAM45-30-C20-120-2T-VC08	2	VC□T08	30	20	120	25	45	TSA-20002-2	TWA-T6
TAM45-40-C20-160-2T-VC11	2	VC□T11	40	20	160	25	45	TSA-25002-2	TWA-T8
TAM45-50-C25-160-3T-VC11	3	VC□T16	50	25	160	30	45	TSA-40001-2	TWA-T15
TAM45-60-C32-160-3T-VC16	3		60	32	160	40	45		
TAM45-80-C32-160-4T-VC16	4		80	32	160	40	45		
TAM55-25-C20-120-2T-DC07	2	DC□T07	25	20	120	25	55	TSA-25002-2	TWA-T8
TAM55-30-C20-120-3T-DC07	3		30	20	120	25	55		
TAM55-40-C25-160-3T-DC11	3	DC□T11	40	25	160	30	55	TSA-40001-2	TWA-T15
TAM55-50-C32-160-3T-DC11	3		50	32	160	40	55		
TAM55-60-C32-160-4T-DC11	4		60	32	160	40	55		
TAM55-80-C32-160-5T-DC11	5	DC□T07	80	32	160	40	55	TSA-25002-2	TWA-T8
TAM60-25-C20-120-2T-DC07	2		25	20	120	25	60		
TAM60-30-C20-120-3T-DC07	3	DC□T11	30	20	120	25	60	TSA-40001-2	TWA-T15
TAM60-40-C25-160-3T-DC11	3		40	25	160	30	60		
TAM60-50-C32-160-3T-DC11	3		50	32	160	40	60		
TAM60-60-C32-160-4T-DC11	4	DC□T11	60	32	160	40	60	TSA-40001-2	TWA-T15
TAM60-80-C32-160-4T-DC11	4		80	32	160	45	60		

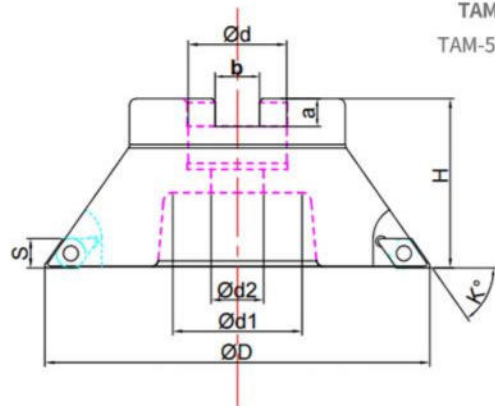
# TAM

## 燕尾槽铣刀盘-55/60

Slot Milling Cutters

TAM-55/60系列

TAM-55/60 Series



Designation 型号	CICT 齿数	INSERT 刀片	Dimension (mm)/尺寸									Screw 螺丝	Wrench 扳手
			D	Ød	Ød1	Ød2	H	S	b	K°	a		
TAM55DC11-6100-27	6	DC□T11	100	27	34	13	50	8	12.4	55	7	TSA-40001-2	TWA-T15
TAM55DC11-7125-32	7		125	32	42	17	55	8	14.4	55	9		
TAM60DC11-6100-27	6		100	27	34	13	50	8	12.4	60	7		
TAM60DC11-7125-32	7		125	32	42	17	55	8	14.4	60	9		

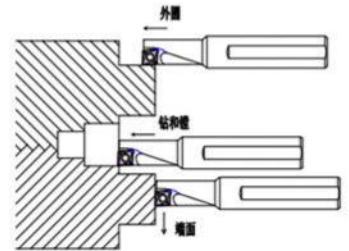
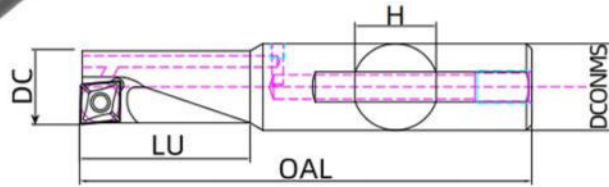
MULTI-FUNCTION TOOL

**TCAP2.25D/TCAP3.25D**



# TCAP...-2.25D/3.25D

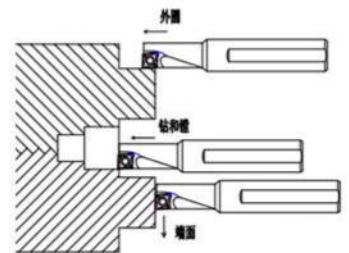
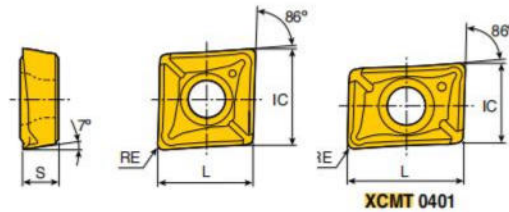
Multi-function Drill

 TCAP系列  
TCAP Series


Designation 型号	DC	LU	Dimension (mm)/尺寸			DCONMS	INSERT 刀片
TCAP 08R/L-2.25D-ST	8	18.0	60.0	9	10	XCMT040104-TC	
TCAP 10R/L-2.25D-ST	10	22.5	69.5	11	12	XCMT050204-TC	
TCAP 12R/L-2.25D-ST	12	27.0	78.0	15	16	XCMT060204-TC	
TCAP 14R/L-2.25D-ST	14	31.5	83.5	15	16	XCMT070304-TC	
TCAP 16R/L-2.25D-ST	16	36.0	94.0	15	16	XCMT080304-TC	
TCAP 20R/L-2.25D-ST	20	45.0	111.0	18	20	XCMT10T304-TC	
TCAP 08R/L-3.25D-ST	8	26.0	68.0	9	10	XCMT040104-TC	
TCAP 10R/L-3.25D-ST	10	32.5	79.5	11	12	XCMT050204-TC	
TCAP 12R/L-3.25D-ST	12	39.0	90.0	15	16	XCMT060204-TC	
TCAP 14R/L-3.25D-ST	14	45.5	97.5	15	16	XCMT070304-TC	
TCAP 16R/L-3.25D-ST	16	52.0	110.0	15	16	XCMT080304-TC	
TCAP 20R/L-3.25D-ST	20	65.0	131.0	18	20	XCMT10T304-TC	

# XCMT 04-10

Multi-function Drill Inserts

 XCMT系列  
XCMT Series


Designation 型号	Dimension (mm)/尺寸				Grade/材质			
	IC/宽度	S/厚度	L/边长	RE/刀尖圆角	Screw/螺丝	Wrench/扳手		
XCMT040104-TC	4.4	1.70	6.4	0.4	TSA-18040-1	TWA-T6	SH1125	SH2025+
XCMT050204-TC	5.6	2.10	5.6	0.4	TSA-20040-1	TWA-T6	○	○
XCMT060204-TC	6.4	2.38	6.4	0.4	TSA-22040-1	TWA-T6	○	○
XCMT070304-TC	7.5	3.18	7.5	0.4	TSA-25060-1	TWA-T8	○	○
XCMT080304-TC	8.4	3.18	8.4	0.4	TSA-30064-1	TWA-T10	○	○
XCMT10T304-TC	10.5	3.97	10.5	0.4	TSA-35010-1	TWA-T15	○	○



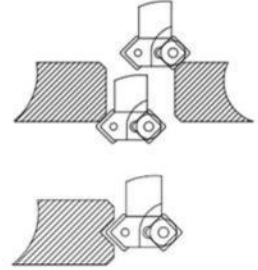
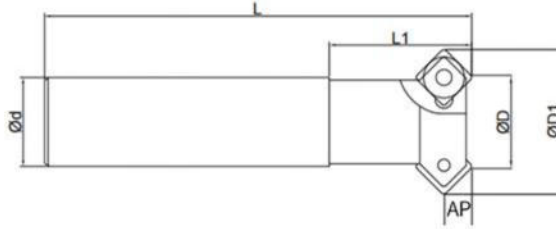
MULTI-FUNCTION TOOL

**AP16  
AND  
SP  
SERIES**



# SP□□

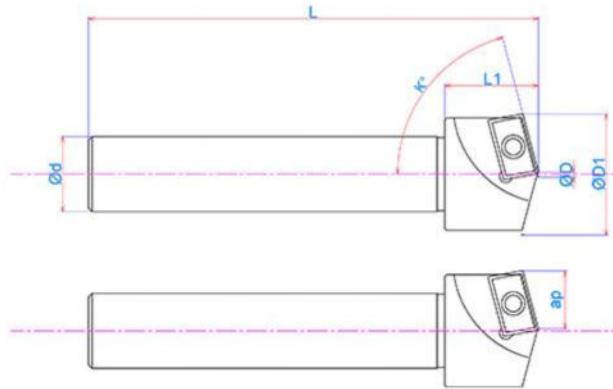
## Indexable Chamfer Cutter

 MF2-1系列  
MF2-1 Series


Designation 型号	Inserts 刀片	Blade 刃数	Dimension (mm)/尺寸					Angel 角度	AP 切深	Screw 螺丝	Wrench 扳手
			D	D1	d	L	L1				
CC45-SP05-4-1T10-100	SP□□0502	1	3.9	10	10	100	20	45°	3.14	TSA-M2.2003	TWA-T6
CC45-SP06-5-1T12-100	SP□□0602	1	4.4	12	12	100	20	45°	4.04	TSA-M2.5003	TWA-T8
CC45-SP05-8-1T14-120	SP□□0502	1	7.9	14	14	120	28	45°	3.14	TSA-M2.2003	TWA-T6
CC45-SP05-10-2T16-120	SP□□0502	2	9.9	16	16	120	32	45°	3.14	TSA-M2.2003	TWA-T6
CC45-SP06-11-2T16-120	SP□□0602	2	10.4	18	16	120	36	45°	4.04	TSA-M2.5003	TWA-T8
CC45-SP06-13-2T16-120	SP□□0602	2	12.2	20	16	120	40	45°	4.04	TSA-M2.5003	TWA-T8
CC45-SP07-16-2T16-120	SP□□07T3	2	15.6	25	16	120	50	45°	5.17	TSA-M3.0003	TWA-T8
CC45-SP09-19-2T20-120	SP□□0904	2	18.9	31	20	120	40	45°	6.29	TSA-M3.5003	TWA-T15
CC45-SP11-26-2T25-120	SP□□1104	2	25.6	40	25	120	50	45°	8.53	TSA-M4.0003	TWA-T15

# AP16

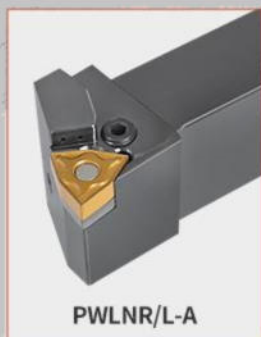
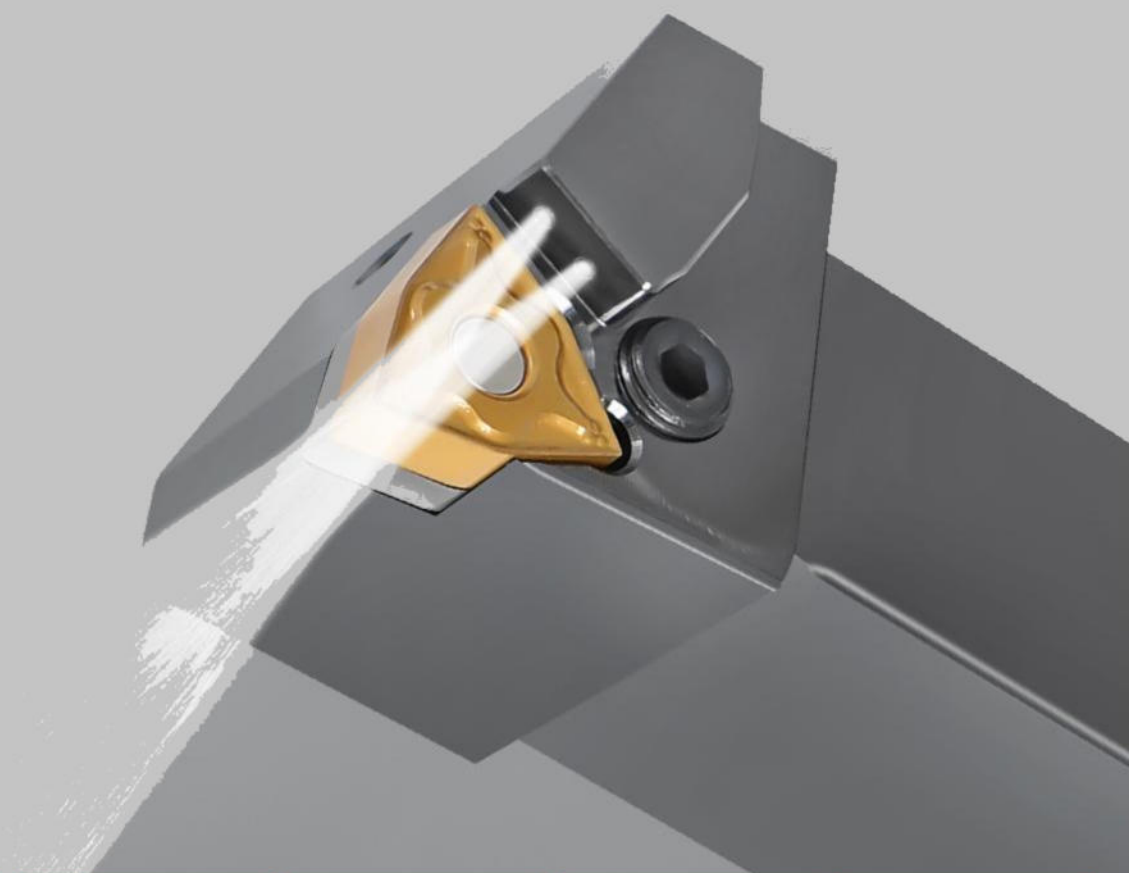
## Indexable Chamfer Cutter

 MF2-2系列  
MF2-2 Series


Designation 型号	Inserts 刀片	Blade 刃数	Dimension (mm)/尺寸					K° 角度	AP 切深	Screw 螺丝	Wrench 扳手
			D	D1	d	L	L1				
CC75-AP16-1T-S20-120	AP□T1604	1	1.2	32	20	120	25	75°	15.4	TSA-M4.0-006	TWA-T15
CC60-AP16-1T-S20-120	AP□T1604	1	4.5	32	20	120	25	60°	13.8	TSA-M4.0-006	TWA-T15
CC45-AP16-1T-S20-120	AP□T1604	1	9.6	32	20	120	25	45°	11.2	TSA-M4.0-006	TWA-T15
CC30-AP16-1T-S20-120	AP□T1604	1	16.2	32	20	120	25	30°	7.9	TSA-M4.0-006	TWA-T15

TURNING TOOL

PWLNR/L-A / PCLNR/L-A / PTJNR/L-A  
MGNVR/L-A / MGEHR/L-A



PWLNR/L-A



PTJNR/L-A



PCLNR/L-A



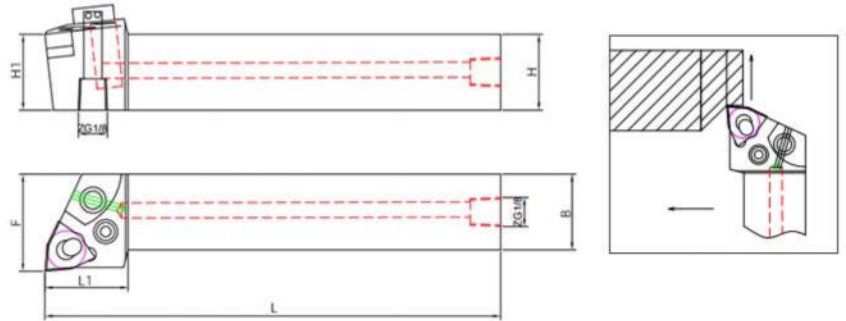
MGNVR/L-A



MGEHR/L-A

# PWLNLR/L-A

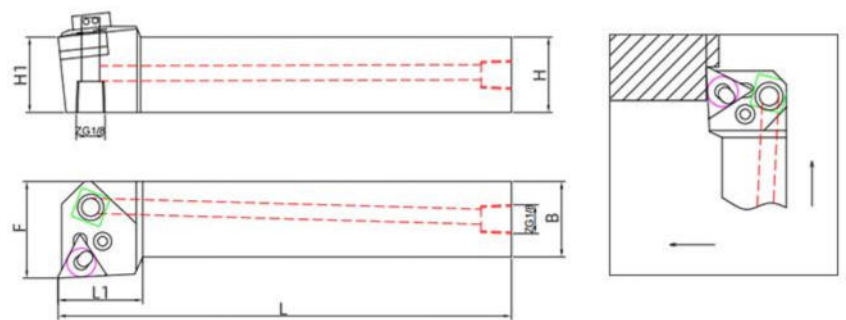
Jetstream Turning Holder

 PWLNLR/L-A系列  
 PWLNLR/L-A Series


Designation/型号	Inserts/刀片	Dimension (mm)/尺寸						Parts/配件						内冷螺纹型号
		H	B	L	L1	H1	F	杠杆 GGX	螺丝 NLJ-P	垫片 WN-P	垫销 DPX	弹簧 TH	扳手 TSA	
PWLNLR/L2020K08-A	WN□□0804□□	20	20	125	29	20	25	0516	0812	0803	0606	0607	L3	ZG1/8
PWLNLR/L2525M08-A		25	25	150	28	25	32					0608		
PWLNLR/L3232P08-A		32	32	170	30	32	40							

# PTJNR/L-A

Jetstream Turning Holder

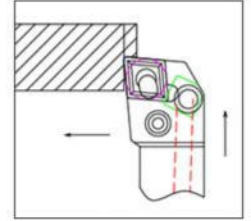
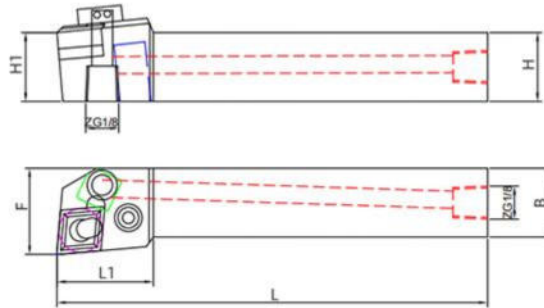
 PTJNR/L-A系列  
 PTJNR/L-A Series


Designation/型号	Inserts/刀片	Dimension (mm)/尺寸						Parts/配件						内冷螺纹型号
		H	B	L	L1	H1	F	杠杆 GGX	螺丝 NLJ-P	垫片 TN-P	垫销 DPX	弹簧 TH	扳手 TSA	
PTJNR/L2020K16-A	TN□□1604□□	20	20	125	22	20	25	0313	0610	1602	0505	0409	L2.5	ZG1/8
PTJNR/L2525M16-A		25	25	150	28	25	32					0411		
PTJNR/L3232P16-A		32	32	170	28	32	40							

# PCLNR/L-A

Jetstream Turning Holder

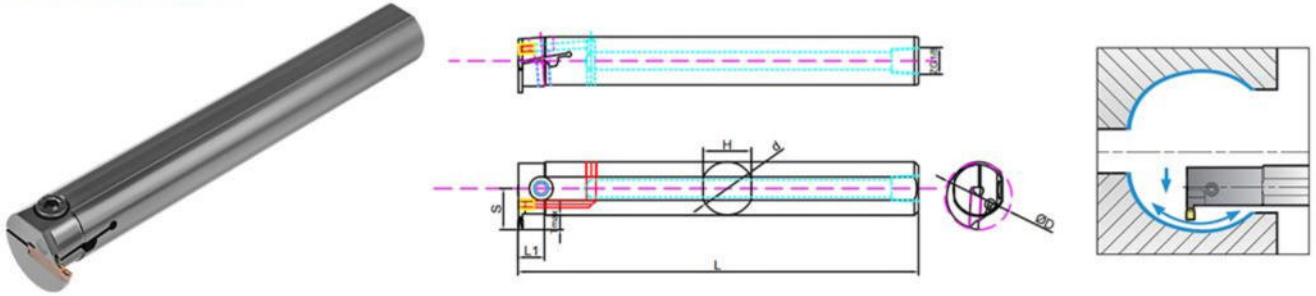
PCLNR/L-A系列  
PCLNR/L-A Series



Designation/型号	Inserts/刀片	Dimension (mm)/尺寸						Parts/配件						内冷螺纹型号
		H	B	L	L1	H1	F	杠杆 GGX	螺丝 NLJ-P	垫片 CN-P	垫销 DPX	弹簧 TH	扳手 TSA	
PCLNR/L2020K12-A	CN□□1204□□	20	20	125	22	20	25	0516	0812	1203	0606	0607	L3	ZG1/8
PCLNR/L2525M12-A		25	25	150	28	25	32					0608		
PCLNR/L3232P12-A		32	32	170	28	32	40							

# MGNVR/L-A

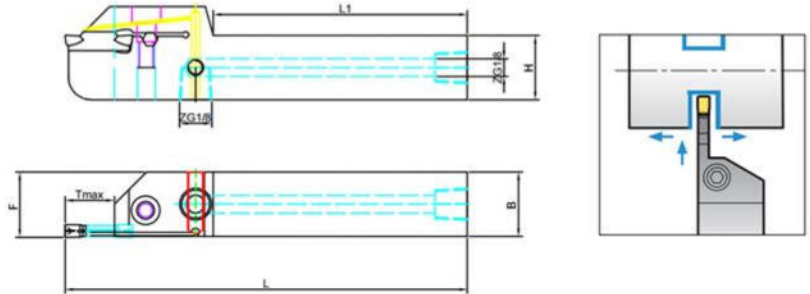
Jetstream Grooving Holder

 MGNVR/L-A系列  
MGNVR/L-A Series


Designation/型号		Dimension (mm)/尺寸							Inserts/刀片	Parts/配件		内冷螺纹型号
		内槽加工、车削加工								螺丝 NLJ	扳手 TSA	
大类	规格	DMIN 最小加工 孔径	d 刀杆 直径	L 全长	L1	H	Tmax	S				
MGNVR/L	1620M-2-T3-A	20	16	150	10	15	3	11.4	MGMN200	NLJ0416	L3	ZG1/8
	1622M-2-T5-A	22	16	150	10	15	5	13.4				
	1624M-2-T7-A	24	16	150	10	15	7	15.4				
	2026M-2-T5-A	26	20	150	10	18	5	15.4		NLJ0520	L4	
	2028M-2-T7-A	28	20	150	10	18	7	17.4				
	2030M-2-T9-A	30	20	150	10	18	9	19.4	MGMN250	NLJ0416	L3	
	1622M-2.5-T5-A	22	16	150	10	15	5	13.4				
	1624M-2.5-T7-A	24	16	150	10	15	7	15.4				
	1626M-2.5-T9-A	26	16	150	10	15	9	17.4				
	2027M-2.5-T6-A	27	20	150	10	18	6	16.4	NLJ0520	L4		
	2029M-2.5-T8-A	29	20	150	10	18	8	18.4				
	2031M-2.5-T10-A	31	20	150	10	18	10	20.4	MGMN300	NLJ0416	L3	
	1622M-3-T5-A	22	16	150	10	15	5	13.4				
	1624M-3-T7-A	24	16	150	10	15	7	15.4				
	1626M-3-T9-A	26	16	150	10	15	9	17.4				
	2027M-3-T6-A	27	20	150	10	18	6	16.4	NLJ0520	L4		
	2029M-3-T8-A	29	20	150	10	18	8	18.4				
	2031M-3-T10-A	31	20	150	10	18	10	20.4	MGMN400	NLJ0520	L4	
	2532R-3-T6-A	32	25	200	10	23	6	18.9				
	2534R-3-T8-A	34	25	200	10	23	8	20.9				
	2536R-3-T10-A	36	25	200	10	23	10	22.9				
	2538R-3-T12-A	38	25	200	10	23	12	24.9	MGMN500	NLJ0520	L4	
	3239S-3-T6-A	39	32	250	10	29	6	22.4				
	3241S-3-T8-A	41	32	250	10	29	8	24.4				
	3243S-3-T10-A	43	32	250	10	29	10	26.4				
	3245S-3-T12-A	45	32	250	10	29	12	28.4	MGMN400	NLJ0520	L4	
	2532R-4-T6-A	32	25	200	10	23	6	18.9				
	2534R-4-T8-A	34	25	200	10	23	8	20.9				
	2536R-4-T10-A	36	25	200	10	23	10	22.9				
	2538R-4-T12-A	38	25	200	10	23	12	24.9	MGMN500	NLJ0520	L4	
	3239S-4-T6-A	39	32	250	10	29	6	22.4				
	3241S-4-T8-A	41	32	250	10	29	8	24.4				
3243S-4-T10-A	43	32	250	10	29	10	26.4					
3245S-4-T12-A	45	32	250	10	29	12	28.4	MGMN500	NLJ0520	L4		
2532R-5-T6-A	32	25	200	10	23	6	18.9					
2534R-5-T8-A	34	25	200	10	23	8	20.9					
2536R-5-T10-A	36	25	200	10	23	10	22.9					
2538R-5-T12-A	38	25	200	10	23	12	24.9	MGMN500	NLJ0520	L4		
3241S-5-T8-A	41	32	250	10	29	8	24.4					
3243S-5-T10-A	43	32	250	10	29	10	26.4					
3245S-5-T12-A	45	32	250	10	29	12	28.4					
3249S-5-T16-A	49	32	250	10	29	16	32.4					

# MGEHR/L-A

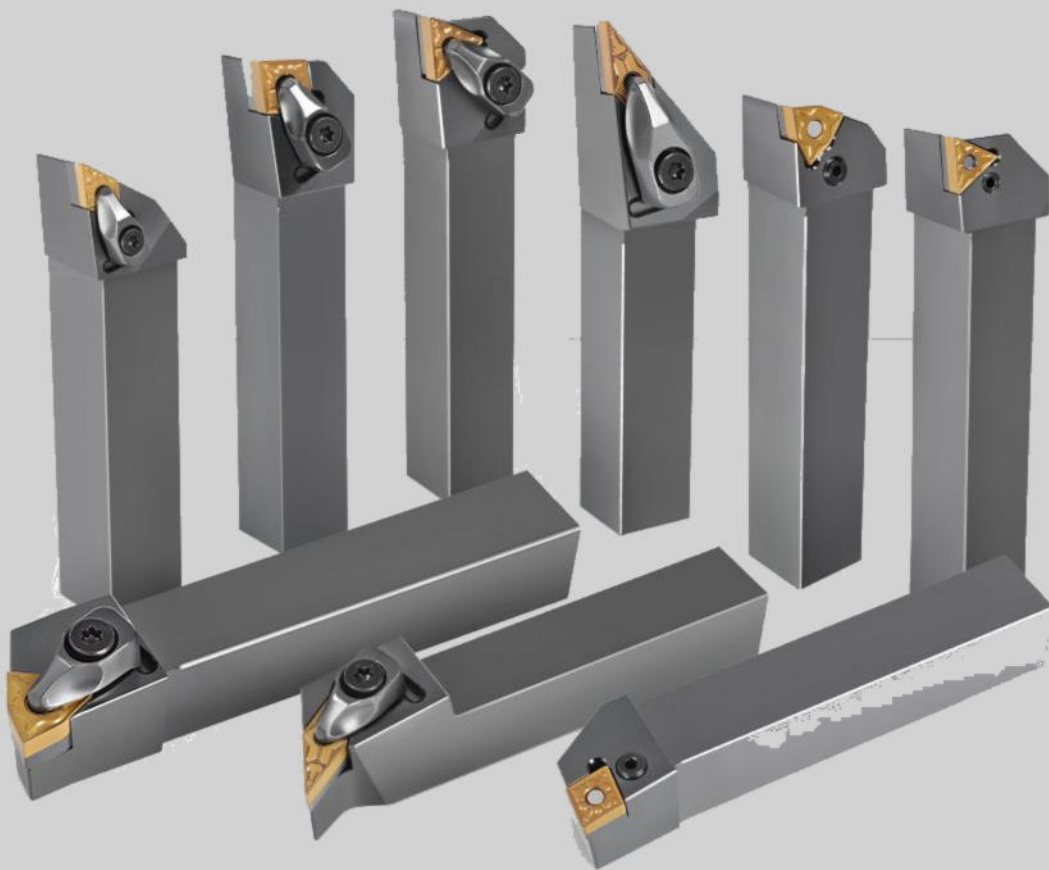
Jetstream Grooving Holder

 MGEHR/L-A系列  
MGEHR/L-A Series


Designation/型号		Dimension (mm)/尺寸						Inserts/刀片	Parts/配件		内冷螺纹型号	
		内槽加工、车削加工							螺丝 NLJ	扳手 TSA		
大类	规格	H	B	L 全长	L1	F	Tmax					
MGEHR/L	2020K-2T8-A	20	20	125	84	20.20	8	MGMN200	NLJ0520	L4	ZG1/8	
	2020K-2T13-A	20	20	125	84	20.20	13					
	2020K-3T10-A	20	20	125	84	20.32	10	MGMN300				
	2020K-3T15-A	20	20	125	79	20.32	15					
	2020K-3T20-A	20	20	125	74	20.32	20	MGMN400				
	2020K-4T10-A	20	20	125	84	20.30	10					
	2020K-4T15-A	20	20	125	79	20.30	15	MGMN500				
	2020K-4T20-A	20	20	125	74	20.30	20					
	2020K-5T10-A	20	20	125	84	20.50	10	NLJ0625				L5
	2020K-5T15-A	20	20	125	79	20.50	15					
	2020K-5T20-A	20	20	125	74	20.50	20	MGMN200				
	2525M-2T8-A	25	25	150	110	25.20	8					
	2525M-2T13-A	25	25	150	110	25.20	13	MGMN300				
	2525M-3T10-A	25	25	150	110	25.33	10					
	2525M-3T15-A	25	25	150	110	25.33	15	MGMN400				
	2525M-3T20-A	25	25	150	105	25.33	20					
	2525M-4T10-A	25	25	150	110	25.33	10	MGMN500				
	2525M-4T15-A	25	25	150	110	25.33	15					
	2525M-4T20-A	25	25	150	105	25.33	20	NLJ0625				
	2525M-5T10-A	25	25	150	110	25.50	10					
2525M-5T15-A	25	25	150	110	25.50	15	NLJ0625					
2525M-5T20-A	25	25	150	105	25.50	20						

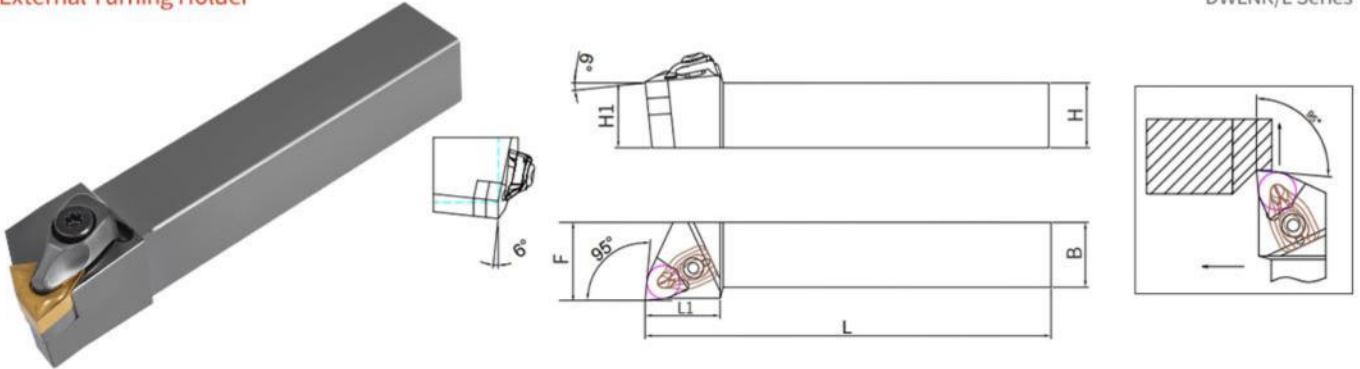
TURNING TOOL

DWLNR/L DCLNR/L DTJNR/L  
DDJNR/L DVJNR/L DVQNR/L  
PWLNR/L PCLNR/L PTJNR/L



# DWLNR/L

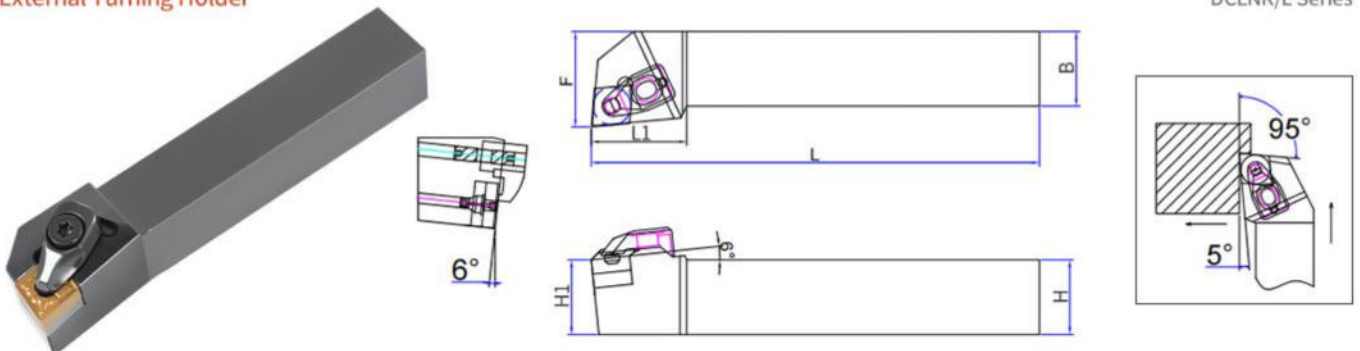
External Turning Holder

 DWLNR/L系列  
DWLNR/L Series


Designation/型号	Inserts/刀片	Dimension (mm)/尺寸						Parts/配件					
		H	B	L	L1	H1	F	刀垫 WN	销钉 DXD	压板 DYB	固定螺丝 MHGD	弹簧 TH	扳手 TSA
DWLNR/L1616H06	WN□□0604□□	16	16	100	28	16	20	0603	0512	2412-A	0520	0814	T20
DWLNR/L2020K06		20	20	125	28	20	25						
DWLNR/L2525M06		25	25	150	30	25	32						
DWLNR/L1616H08	WN□□0804□□	16	16	100	32	16	20	0804	0614	2412-B			
DWLNR/L2020K08		20	20	125	32	20	25						
DWLNR/L2525M08		25	25	150	32	25	32						
DWLNR/L3232P08		32	32	170	35	32	40						

# DCLNR/L

External Turning Holder

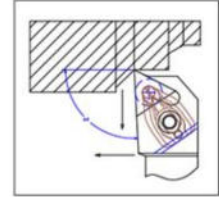
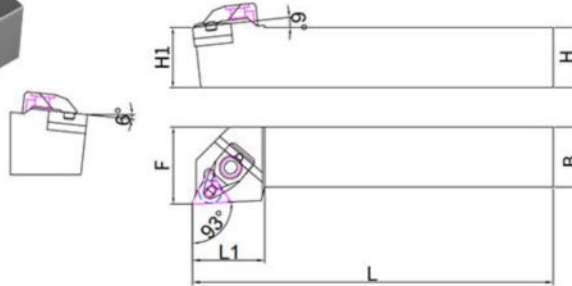
 DCLNR/L系列  
DCLNR/L Series









Designation/型号	Inserts/刀片	Dimension (mm)/尺寸						Parts/配件					
		H	B	L	L1	H1	F	刀垫 CN	销钉 DXD	压板 DYB	固定螺丝 MHGD	弹簧 TH	扳手 TSA
DCLNR/L1616H12	CN□□1204□□	16	16	100	35	16	20	1204	0614	2412-B	0525	0814	T20
DCLNR/L2020K12		20	20	125	35	20	25						
DCLNR/L2525M12		25	25	150	32	25	32						
DCLNR/L3232P12	CN□□1606□□	32	32	170	32	32	40	1604-D	0614	3014	0625	0913	T20
DCLNR/L3232P16		32	32	170	40	32	40						
DCLNR/L3232P19		32	32	170	48	32	40						
DCLNR/L4040S19		40	40	250	48	40	50						
DCLNR/L4040S25	CN□□2509□□	40	40	250	56	40	50	2506-D	0614	4319	0830	1118	T25
DCLNR/L5050T25		50	50	300	56	50	60						

## DTJNR/L

External Turning Holder

DTJNR/L系列  
DTJNR/L Series

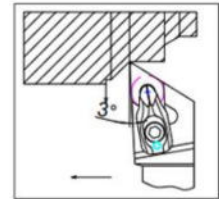
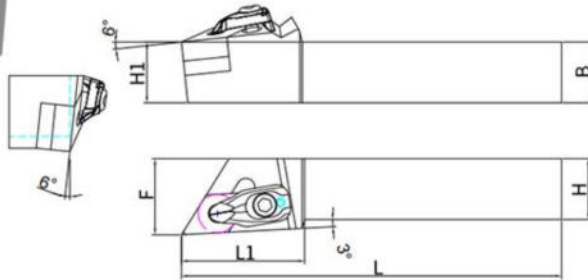









Designation/型号	Inserts/刀片	Dimension (mm)/尺寸						Parts/配件					
		H	B	L	L1	H1	F						
	TN□□1604□□							刀垫 TN	销钉 DXD	压板 DYB	固定螺丝 MHGD	弹簧 TH	扳手 TSA
DTJNR/L1616H16		16	16	100	30	16	20						
DTJNR/L2020K16		20	20	125	30	20	25						
DTJNR/L2525M16		25	25	150	30	25	32	1603	0512	2412-A	0520	0814	T20
DTJNR/L3232P16		32	32	170	32	32	40						

## DDJNR/L

External Turning Holder

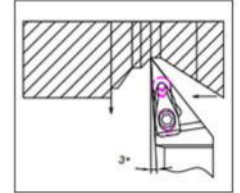
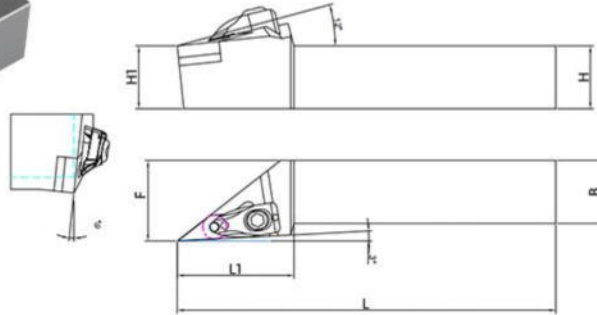
DDJNR/L系列  
DDJNR/L Series



Designation/型号	Inserts/刀片	Dimension (mm)/尺寸						Parts/配件					
		H	B	L	L1	H1	F						
	DN□□1504□□ DN□□1506□□							刀垫 DN	销钉 DXD	压板 DYB	固定螺丝 MHGD	弹簧 TH	扳手 TSA
DDJNR/L2020K15		20	20	125	39	20	25						
DDJNR/L2525M15		25	25	150	39	25	32	1504	0614	2712	0520	0814	T20
DDJNR/L3232P15		32	32	170	39	32	40	1506					

# DVJNR/L

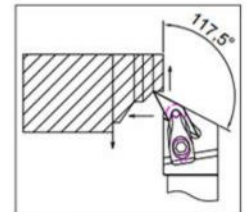
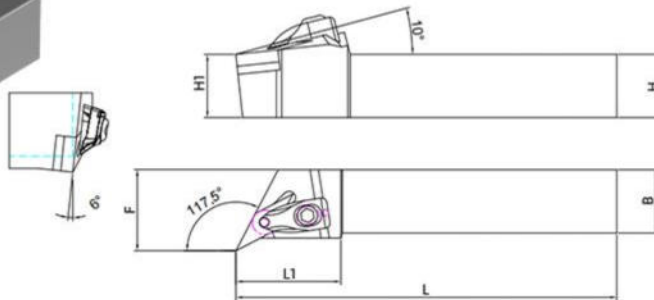
External Turning Holder

 DVJNR/L系列  
DVJNR/L Series


Designation/型号	Inserts/刀片	Dimension (mm)/尺寸						Parts/配件					
		H	B	L	L1	H1	F	刀垫 VN	销钉 DXD	压板 DYB	固定螺丝 MHGD	弹簧 TH	扳手 TSA
DVJNR/L1616H16	VN□□1604□□	16	16	100	47	16	20	1603	0512	3012	0525	0814	T20
DVJNR/L2020K16		20	20	125	47	20	25						
DVJNR/L2525M16		25	25	150	47	25	32						
DVJNR/L3232P16		32	32	125	50	32	40						

# DVQNR/L

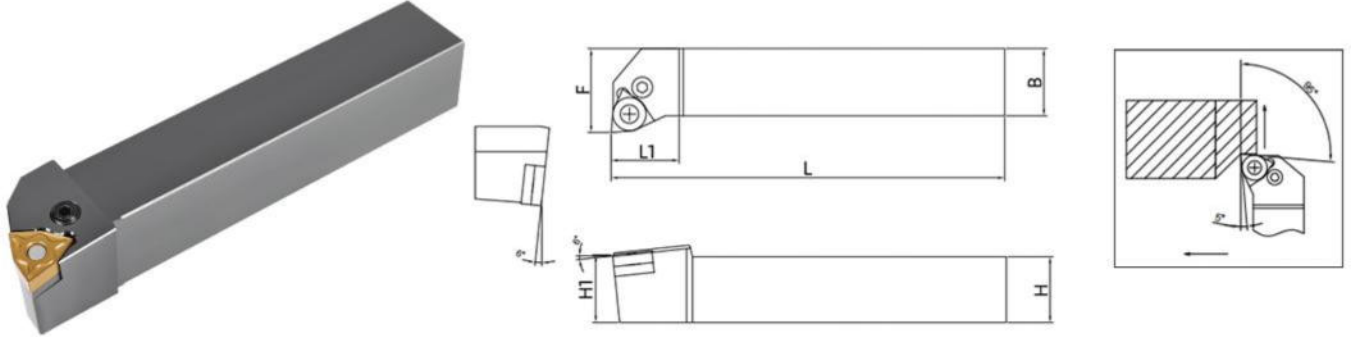
External Turning Holder

 DVQNR/L系列  
DVQNR/L Series


Designation/型号	Inserts/刀片	Dimension (mm)/尺寸						Parts/配件					
		H	B	L	L1	H1	F	刀垫 VN	销钉 DXD	压板 DYB	固定螺丝 MHGD	弹簧 TH	扳手 TSA
DVQNR/L2020K16	VN□□1604□□	20	20	125	44	20	25	1603	0512	2412-A	0525	0814	T20
DVQNR/L2525M16		25	25	150	44	25	32						
DVQNR/L3232P16		32	32	170	44	32	40						

# PWLNLR/L

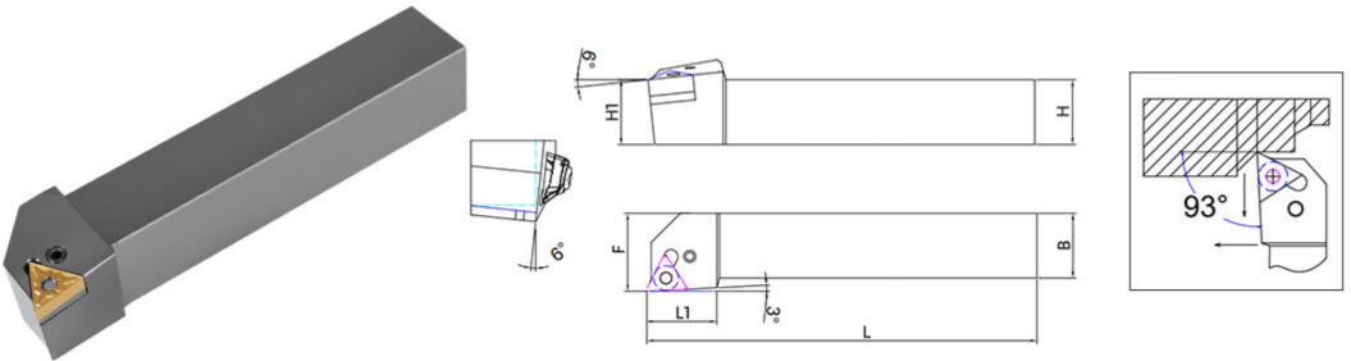
Turning Holder

 PWLNLR/L系列  
PWLNLR/L Series


Designation/型号	Inserts/刀片	Dimension (mm)/尺寸						Parts/配件					
		H	B	L	L1	H1	F	杠杆 GGX	螺丝 NLJ-P	垫片 WN-P	垫销 DX	弹簧 TH	扳手 TSA
PWLNLR/L1616H08	WN□□0804□□	16	16	100	26	16	20	0516	0812	0803	0606	0607	L3
PWLNLR/L2020K08		20	20	125	26	20	25					0608	
PWLNLR/L2525M08		25	25	150	26	25	32						
PWLNLR/L3232P08		32	32	170	30	32	40						

# PTJNR/L

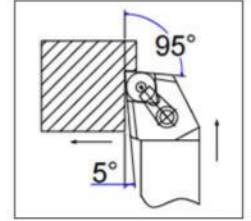
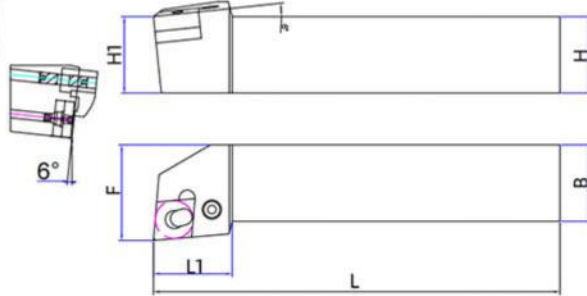
Turning Holder

 PTJNR/L系列  
PTJNR/L Series


Designation/型号	Inserts/刀片	Dimension (mm)/尺寸						Parts/配件					
		H	B	L	L1	H1	F	杠杆 GGX	螺丝 NLJ-P	垫片 TN-P	垫销 DX	弹簧 TH	扳手 TSA
PTJNR/L1616H16	TN□□1604□□	16	16	100	22	16	20	0313	0610	1602	0505	0409	L2.5
PTJNR/L2020K16		20	20	125	22	20	25					0411	
PTJNR/L2525M16		25	25	150	28	25	32						
PTJNR/L3232P16		32	32	170	28	32	40						

# PCLNR/L

Turning Holder

 PCLNR/L系列  
PCLNR/L Series


Designation/型号	Inserts/刀片	Dimension (mm)/尺寸						Parts/配件					
		H	B	L	L1	H1	F	杠杆 GGX	螺丝 NLJ-P	垫片 CN-P	垫销 DX	弹簧 TH	扳手 TSA
PCLNR/L1616H12		16	16	100	28	16	20	0516	0812	1203	0606	0607	L3
PCLNR/L2020K12		20	20	125	28	20	25					0608	
PCLNR/L2525M12		25	25	150	28	25	32						
PCLNR/L3232P12		32	32	170	28	32	40	0619	0815	1604	0808	0608	L3
PCLNR/L2525M16		25	25	150	33	25	32						
PCLNR/L3232P16		32	32	170	33	32	40						
PCLNR/L3232P19		32	32	170	40	32	40						
PCLNR/L4040S19		40	40	250	40	40	50						
PCLNR/L4040S25		40	40	250	47	40	50	0823	1018	1904	0909	0911	L5
PCLNR/L5050T25		50	50	300	47	50	60					0927	



TURNING TOOL

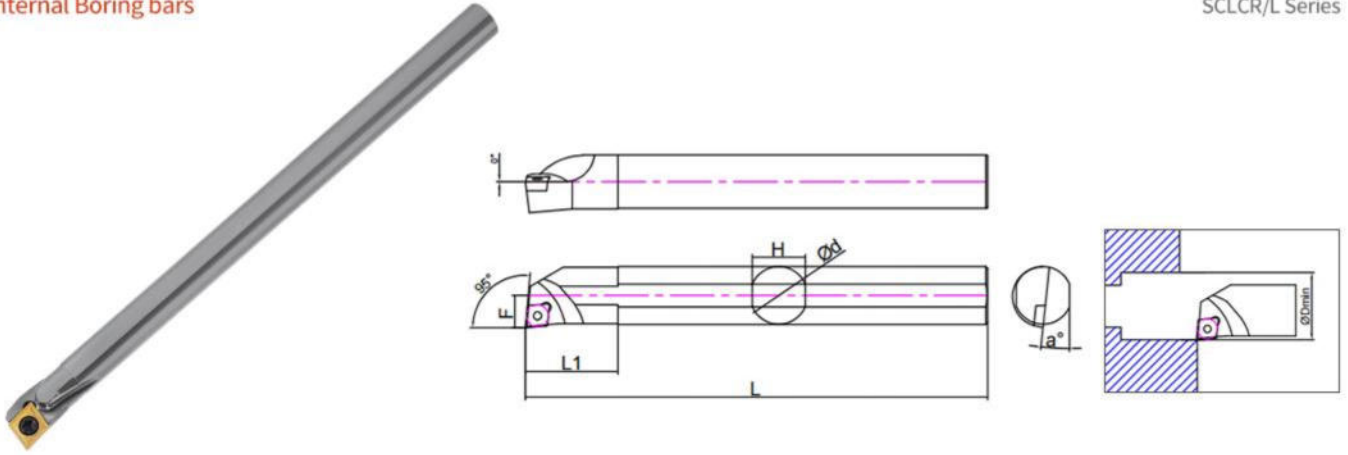
SCLCR/L SCLCR/L变径  
SDQCR/L SDUCR/L SDWCR/L  
STFCR/L STUCR/L STUPR/L STWCR/L



# SCLCR/L

 SCLCR/L系列  
SCLCR/L Series

Internal Boring bars



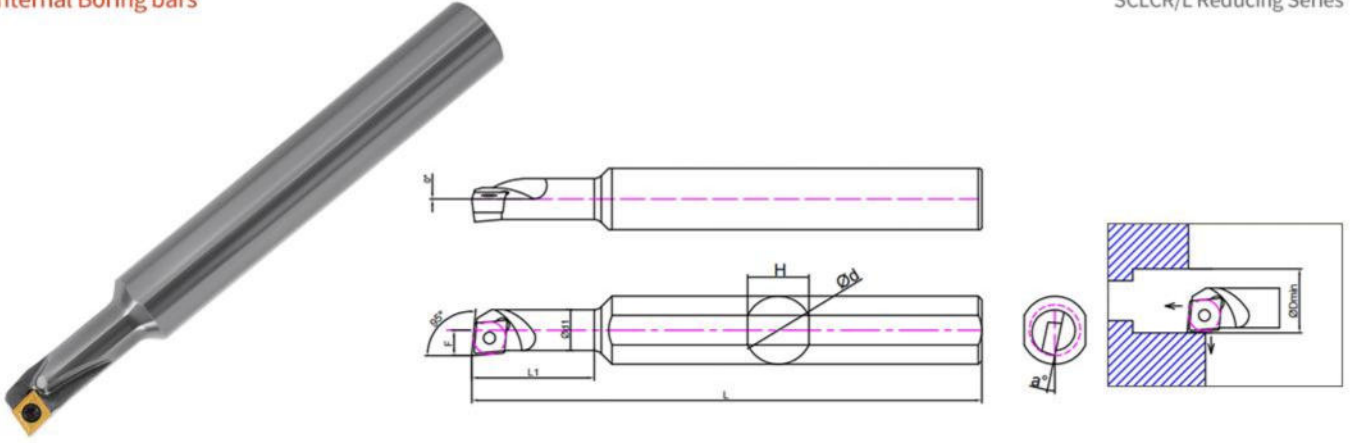
Designation 型号	Dimension (mm)/尺寸							Inserts 刀片	Parts/配件	
	D	d	L	L1	F	H	a°		Screw 螺丝	Wrench 扳手
S06H-SCLCR/L04	7	6	100	12	3.5	5.4	15	CC□□0402	TSA-M2.0-003	T6
S07K-SCLCR/L06	9	7	125	14	4.5	6	15	CC□□0602	TSA-M2.5-003	T8
S08K-SCLCR/L06	10	8	125	16	5	7	13			
S10K-SCLCR/L06	13	10	125	16	6	9	12			
S12M-SCLCR/L06	16	12	150	16	7	11	10			
S12M-SCLCR/L09	16	12	150	16	7.5	11	12	CC□□09T3	TSA-M3.5-003	T15
S14N-SCLCR/L09	18	14	160	16	8.5	13	12			
S14Q-SCLCR/L09	18	14	180	16	8.5	13	12			
S16N-SCLCR/L09	20	16	160	16	9.5	15	10			
S16Q-SCLCR/L09	20	16	180	16	9.5	15	10			
S18Q-SCLCR/L09	22	18	180	20	10.5	17	10			
S20Q-SCLCR/L09	25	20	180	20	11.5	18	8			
S20R-SCLCR/L09	25	20	200	25	11.5	18	8			
S25R-SCLCR/L09	31	25	200	20	14	23	6			
S25S-SCLCR/L09	31	25	250	20	14	23	6			
S20Q-SCLCR/L12	25	20	180	25	12	18	8	CC□□1204	TSA-M5.0-003	T20
S20R-SCLCR/L12	25	20	200	25	12	18	8			
S25R-SCLCR/L12	31	25	200	25	14.5	23	6			
S25S-SCLCR/L12	31	25	250	25	14.5	23	6			
S32S-SCLCR/L12	39	32	250	32	16	29	4			
S32T-SCLCR/L12	39	32	300	32	16	29	4			

# SCLCR/L

Internal Boring bars

SCLCR/L 变径系列

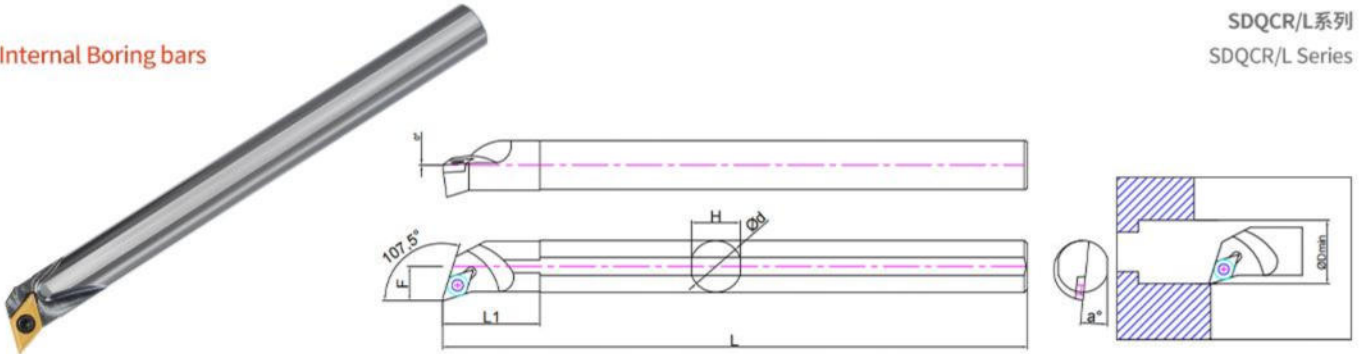
SCLCR/L Reducing Series



Designation 型号	Dimension (mm)/尺寸								Inserts 刀片	Parts/配件	
	D	d	d1	L	L1	H	F	a°		Screw 螺丝	Wrench 扳手
S0610K-SCLCR/L04	7	10	6	125	18	9	3.5	15	CC□□0402	TSA-M2.0-003	T6
S0710K-SCLCR/L06	9	10	7	125	24	9	4.5	15	CC□□0602	TSA-M2.5-003	T8
S0810K-SCLCR/L06	10	10	8	125	24	9	5	13			
S0910K-SCLCR/L06	11	10	9	125	30	9	5.5	12	CC□□0402	TSA-M2.0-003	T6
S0612K-SCLCR/L04	7	12	6	125	18	11	3.5	15	CC□□0602	TSA-M2.5-003	T8
S0712K-SCLCR/L06	9	12	7	125	24	11	4.5	15			
S0812K-SCLCR/L06	10	12	8	125	24	11	5	13	CC□□09T3	TSA-M3.5-003	T15
S0912K-SCLCR/L06	11	12	9	125	30	11	5.5	12			
S1012K-SCLCR/L06	12	12	10	125	30	11	6	12	CC□□0602	TSA-M2.5-003	T8
S0616K-SCLCR/L04	7	16	6	125	18	15	3.5	15			
S0716K-SCLCR/L06	9	16	7	125	24	15	4.5	15	CC□□0602	TSA-M2.5-003	T8
S0816K-SCLCR/L06	10	16	8	125	24	15	5	13			
S0916K-SCLCR/L06	11	16	9	125	30	15	5.5	12	CC□□09T3	TSA-M3.5-003	T15
S1016K-SCLCR/L06	12	16	10	125	30	15	6	12			
S1216K-SCLCR/L06	14	16	12	125	36	15	7	12	CC□□0602	TSA-M2.5-003	T8
S1216K-SCLCR/L09	15	16	12	125	36	15	7.5	12			
S1416K-SCLCR/L09	17	16	14	125	36	15	8.5	12	CC□□09T3	TSA-M3.5-003	T15
S0820M-SCLCR/L06	10	20	8	150	24	18	5	13			
S1020M-SCLCR/L06	12	20	10	150	30	18	6	12	CC□□09T3	TSA-M3.5-003	T15
S1220M-SCLCR/L06	14	20	12	150	36	18	7	12			
S1220M-SCLCR/L09	15	20	12	150	36	18	7.5	12	CC□□09T3	TSA-M3.5-003	T15
S1420M-SCLCR/L09	17	20	14	150	36	18	8.5	12			
S1620M-SCLCR/L09	19	20	16	150	36	18	9.5	10	CC□□09T3	TSA-M3.5-003	T15
S1820M-SCLCR/L09	21	20	18	150	36	18	10.5	10			

## SDQCR/L

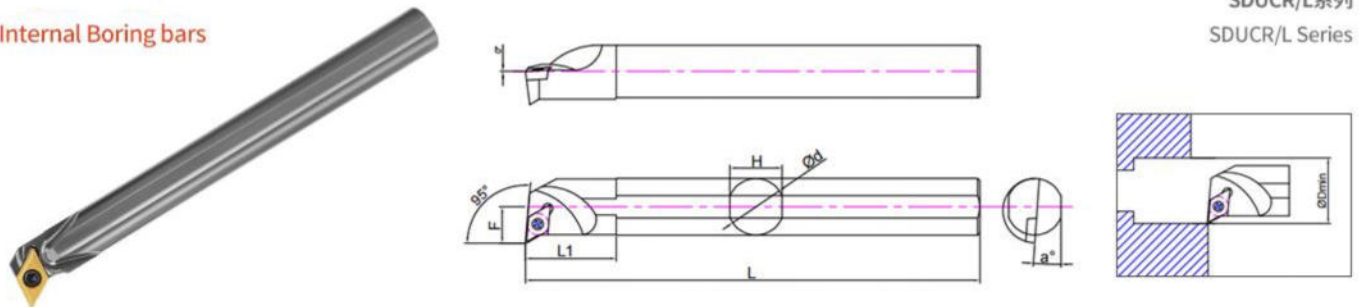
Internal Boring bars

 SDQCR/L系列  
SDQCR/L Series


Designation 型号	Dimension (mm)/尺寸							Inserts 刀片	Parts/配件	
	D	d	F	L	L1	H	a°		Screw 螺丝	Wrench 扳手
S08K-SDQCR/L07	13	8	6	125	16	7	12	DC□□0702	TSA-M2.5-003	T8
S10K-SDQCR/L07	16	10	7	125	16	9	10			
S12M-SDQCR/L07	20	12	9	150	16	11	8			
S16N-SDQCR/L07	25	16	11	160	16	15	6			
S16Q-SDQCR/L07	25	16	11	180	16	15	6			
S16N-SDQCR/L11	25	16	11	160	16	15	6	DC□□11T3	TSA-M3.5-003	T15
S16Q-SDQCR/L11	25	16	11	180	16	15	6			
S20Q-SDQCR/L11	28	20	13	180	20	18	6			
S20R-SDQCR/L11	28	20	13	200	25	18	6			
S25R-SDQCR/L11	33	25	16	200	25	23	4			
S25S-SDQCR/L11	33	25	16	250	25	23	4			
S32S-SDQCR/L11	41	32	20	250	32	29	4			
S32T-SDQCR/L11	41	32	20	300	32	29	4			

## SDUCR/L

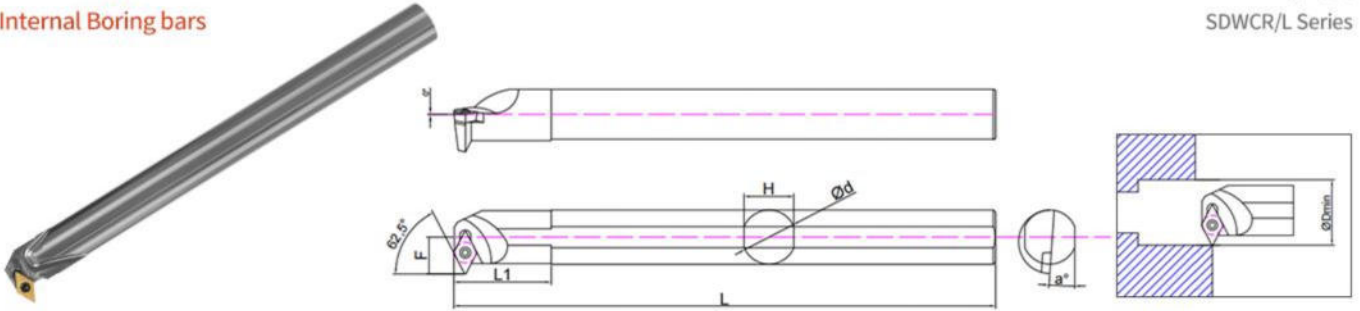
Internal Boring bars

 SDUCR/L系列  
SDUCR/L Series


Designation 型号	Dimension (mm)/尺寸							Inserts 刀片	Parts/配件	
	D	d	F	L	L1	H	a°		Screw 螺丝	Wrench 扳手
S08K-SDUCR/L07	13	8	7	125	16	7	12	DC□□0702	TSA-M2.5-003	T8
S10K-SDUCR/L07	15	10	8	125	16	9	10			
S12M-SDUCR/L07	17	12	9	150	16	11	8			
S14N-SDUCR/L07	20	14	10	160	16	13	8			
S16N-SDUCR/L07	22	16	11	160	16	15	6			
S16Q-SDUCR/L07	22	16	11	180	16	15	6	DC□□11T3	TSA-M3.5-003	T15
S16N-SDUCR/L11	23	16	12	160	16	15	8			
S16Q-SDUCR/L11	23	16	12	180	16	15	8			
S20Q-SDUCR/L11	25	20	13	180	20	18	6			
S20R-SDUCR/L11	25	20	13	200	25	18	6			
S25R-SDUCR/L11	32	25	16	200	25	23	4			
S25S-SDUCR/L11	32	25	16	250	25	23	4			
S32S-SDUCR/L11	39	32	20	250	32	29	4			
S32T-SDUCR/L11	39	32	20	300	32	29	4			

## SDWCR/L

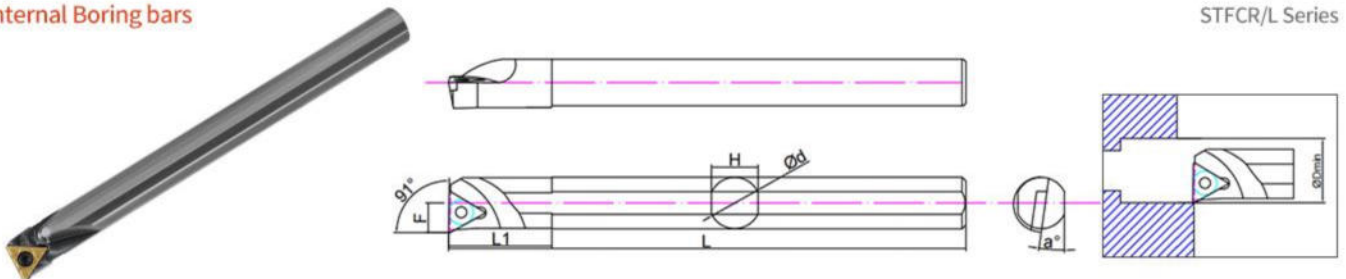
Internal Boring bars

 SDWCR/L系列  
SDWCR/L Series


Designation 型号	Dimension (mm)/尺寸							Inserts 刀片	Parts/配件	
	D	d	F	L	L1	H	a°		Screw 螺丝	Wrench 扳手
S10K-SDWCR/L07	16	10	9.5	125	16	9	12	DC□□0702	TSA-M2.5-003	T8
S12M-SDWCR/L07	19	12	10.5	150	16	11	10			
S16Q-SDWCR/L07	23	16	12.5	180	16	15	8			
S16N-SDWCR/L11	23	16	14	160	16	15	8	DC□□11T3	TSA-M3.5-003	T15
S16Q-SDWCR/L11	23	16	14	180	16	15	8			
S20R-SDWCR/L11	25.5	20	14.5	200	25	19	6			
S25S-SDWCR/L11	32	25	17	250	25	23	4			
S32T-SDWCR/L11	40	32	20.5	300	32	29	4			

## STFCR/L

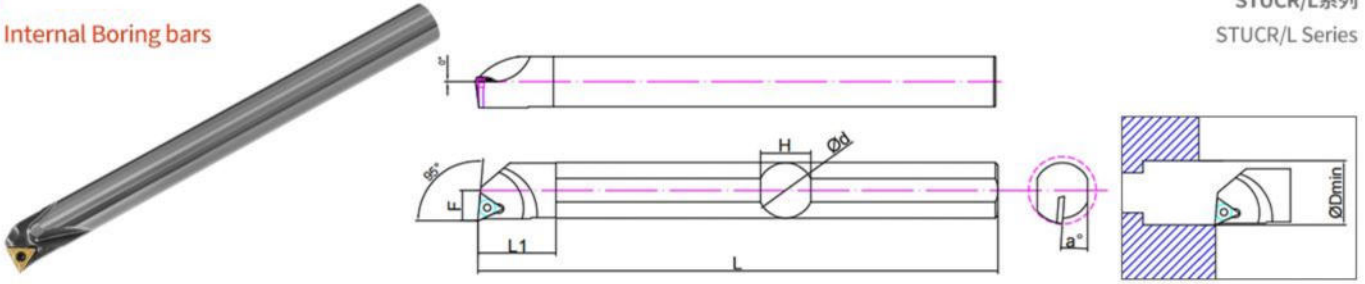
Internal Boring bars

 STFCR/L系列  
STFCR/L Series


Designation 型号	Dimension (mm)/尺寸							Inserts 刀片	Parts/配件				
	D	d	L	L1	F	H	a°		Screw 螺丝	Wrench 扳手			
S08K-STFCR/L09	11	8	125	16	5	7	15	TC□□0902	TSA-M2.2-003	T6			
S10K-STFCR/L09	13	10	125	16	6	9	13						
S12M-STFCR/L09	16	12	150	16	7	11	10						
S10K-STFCR/L11	13	10	125	16	6	9	12	TC□□1102	TSA-M2.5-003	T8			
S12M-STFCR/L11	16	12	150	16	7	11	10						
S14N-STFCR/L11	18	14	160	16	8	13	10						
S14Q-STFCR/L11	18	14	180	16	8	13	10						
S16N-STFCR/L11	20	16	160	16	9	15	8						
S16Q-STFCR/L11	20	16	180	16	9	15	8						
S20Q-STFCR/L11	25	20	180	25	11	18	6						
S20R-STFCR/L11	25	20	200	25	11	18	6						
S16Q-STFCR/L16	20	16	180	16	9	15	8				TC□□16T3	TSA-M3.5-003	T15
S20Q-STFCR/L16	25	20	180	25	11.5	18	8						
S20R-STFCR/L16	25	20	200	25	11.5	18	8						
S25R-STFCR/L16	31	25	200	25	14	23	6						
S25S-STFCR/L16	31	25	250	25	14	23	6						
S32S-STFCR/L16	39	32	250	32	17.5	29	4						
S32T-STFCR/L16	39	32	250	32	17.5	29	4						

# STUCR/L

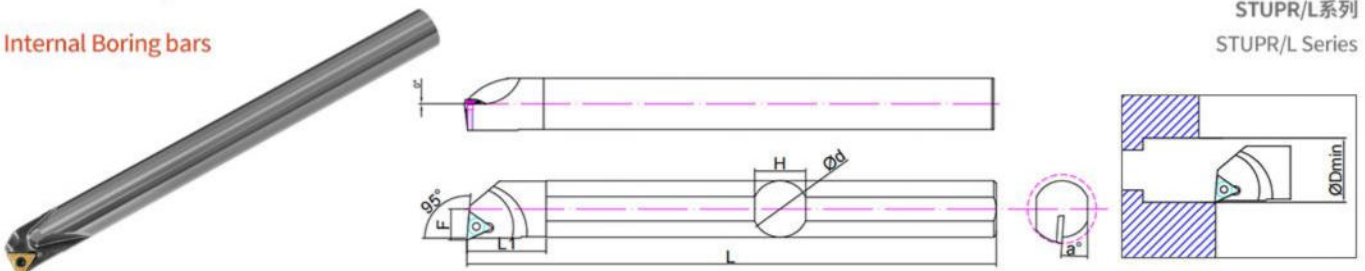
Internal Boring bars

 STUCR/L系列  
STUCR/L Series


Designation 型号	Dimension (mm)/尺寸							Inserts 刀片	Parts/配件	
	D	d	L	L1	F	H	a°		Screw 螺丝	Wrench 扳手
S06H-STUBR/L06	7	6	100	15	3.5	5.4	15	TB□□0602	TSA-M2.0-003	T6
S08K-STUCR/L09	10	8	125	16	5	7	15	TC□□0902	TSA-M2.2-003	T6
S10K-STUCR/L09	13	10	125	16	6	9	13			
S12K-STUCR/L09	16	12	125	16	7	11	13			
S10K-STUCR/L11	13	10	125	16	6	9	12			
S12M-STUCR/L11	16	12	150	16	7	11	10	TC□□1102	TSA-M2.5-003	T8
S14N-STUCR/L11	18	14	160	16	8	13	10			
S16N-STUCR/L11	20	16	160	16	9	15	8			
S16Q-STWCR/L11	20	16	180	16	9	15	8			
S20Q-STUCR/L11	25	20	180	25	11	19	6			
S20R-STUCR/L11	25	20	200	25	11	19	6			
S16N-STUCR/L16	20	16	160	16	9.5	15	8	TC□□16T3	TSA-M3.5-003	T15
S16Q-STUCR/L16	20	16	180	16	9.5	15	8			
S20Q-STUCR/L16	25	20	180	25	11.5	18	8			
S20R-STUCR/L16	25	20	200	25	11.5	18	8			
S25R-STUCR/L16	31	25	200	25	14	23	6			
S25S-STUCR/L16	31	25	250	25	14	23	6			
S32S-STUCR/L16	39	32	250	32	17.5	29	4			
S32T-STUCR/L16	39	32	300	32	17.5	29	4			

# STUPR/L

Internal Boring bars

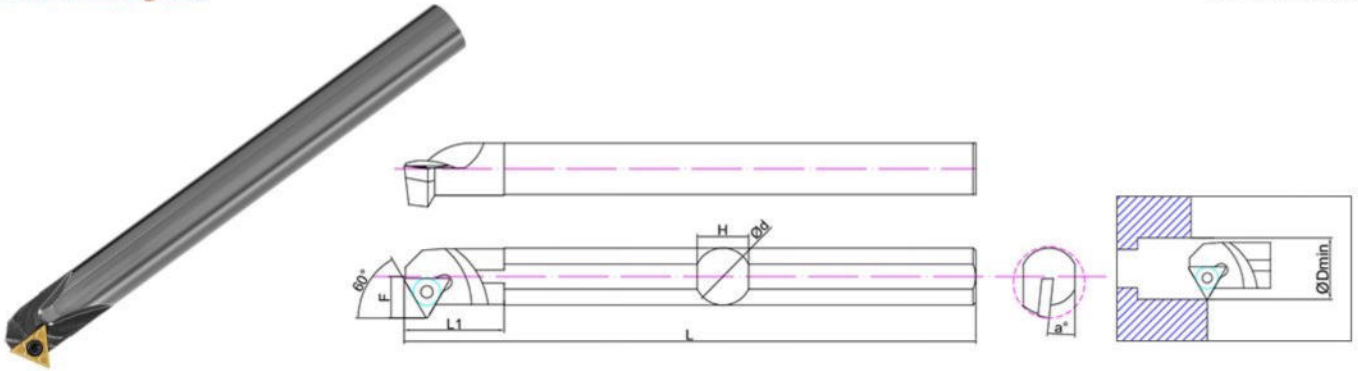
 STUPR/L系列  
STUPR/L Series


Designation 型号	Dimension (mm)/尺寸							Inserts 刀片	Parts/配件	
	D	d	L	L1	F	H	a°		Screw 螺丝	Wrench 扳手
S08K-STUPR/L09	10	8	125	16	5	7	15	TP□□0902	TSA-M2.5-003	T8
S10K-STUPR/L09	13	10	125	16	6	9	13			
S12M-STUPR/L09	16	12	125	16	7	11	13			
S10K-STUPR/L11	13	10	125	16	6	9	12	TP□□1103	TSA-M2.2-003	T6
S12M-STUPR/L11	16	12	150	16	7	11	10			
S16Q-STUPR/L11	20	16	180	16	9	15	8			
S12M-STUPR/L11	25	20	200	25	11	18	6			
S16Q-STUPR/L16	20	16	180	16	9.5	15	8			
S20R-STUPR/L16	25	20	200	25	11.5	18	8			
S25S-STUPR/L16	31	25	250	25	14	23	6	TP□□16T3	TSA-M2.5-003	T8
S32T-STUPR/L16	39	32	300	32	17.5	29	4			

# STWCR/L

Internal Boring bars

STWCR/L系列  
STWCR/L Series



Designation 型号	Dimension (mm)/尺寸							Inserts 刀片	Parts/配件	
	D	d	L	L1	F	H	a°		Screw 螺丝	Wrench 扳手
S08K-STWCR/L09 S10K-STWCR/L09	11 13	8 10	125	16	5.5 6.5	7 9	12 10	TC□□0902	TSA-M2.0-003	T6
S10K-STVCRL11 S12M-STVCRL11	14 16	10 12	125	16	8 9	9 11	10 8	TC□□1102	TSA-M2.2-003	T6
S14N-STWCR/L11 S16Q-STWCR/L11	18 20	14 16	160	16	10 11	13 15	8 6			
S16Q-STWCR/L16 S20R-STWCR/L16	21 25	16 20	180	16	12 14.5	15 18	6 6	TC□□16T3	TSA-M2.5-003	T8
S25S-STWCR/L16	32	25	250	25	17	23	4			

TURNING TOOL

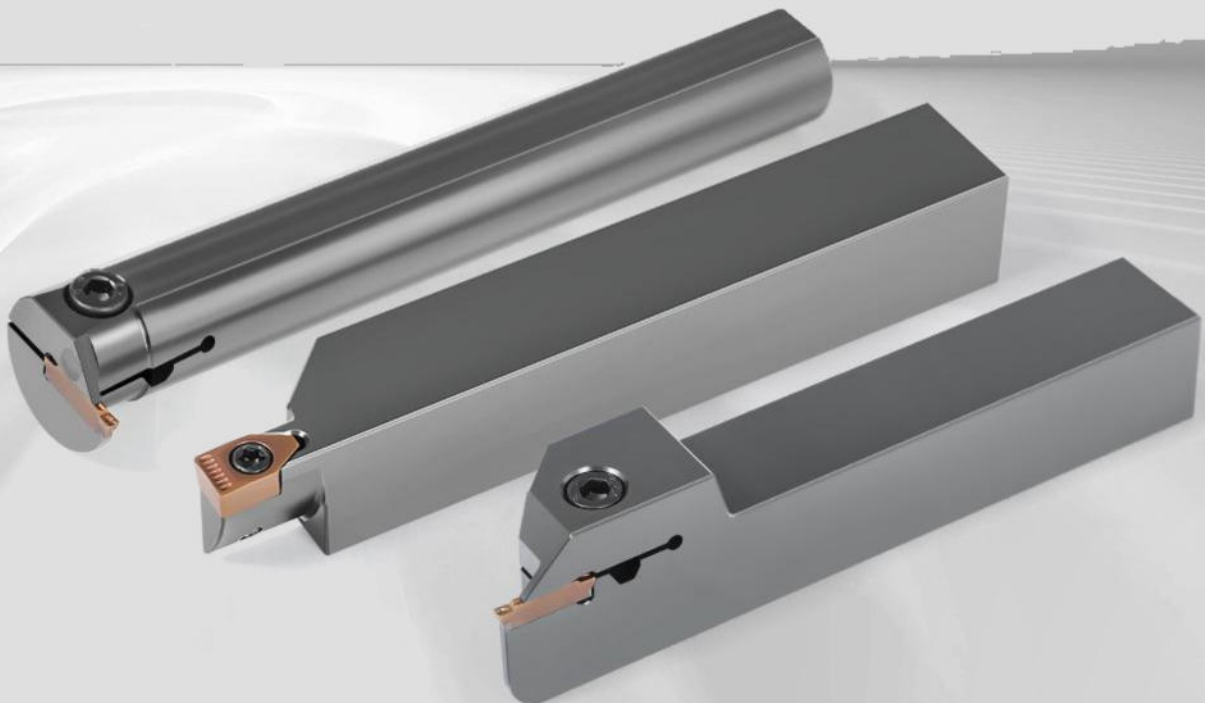
**MGNVR/L / MGEHR/L / STEHR/L**

**MGNVR/L MGEHR/L**

1.5mm-5.0mm

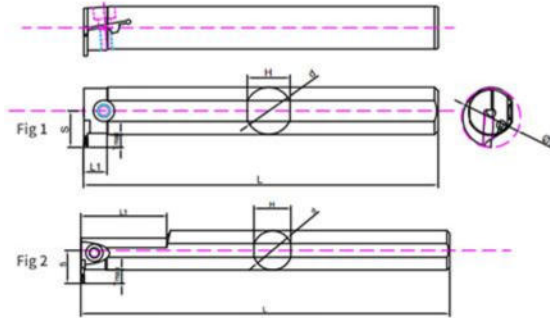
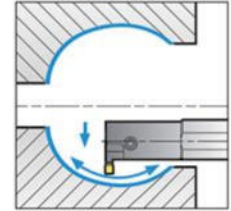
16mm-32mm

**STEHR/L**



# MGNVR/L

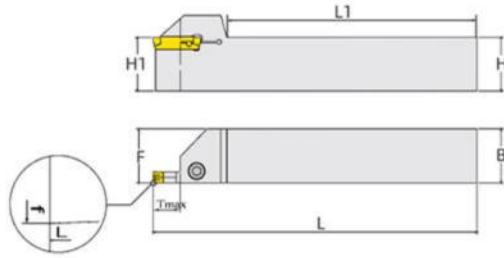
Internal Grooving Holder


 MGNVR/L系列  
MGNVR/L Series


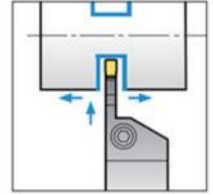
Designation/型号		Dimension (mm)/尺寸								Inserts/刀片	Parts/配件	
		内槽加工、车削加工									螺丝 DGD	扳手 TSA
大类	规格	DMIN 最小加工 孔径	D 刀杆 直径	L 全长	L1	H	Tmax	S	形状			
MGNVR/L	1617M-1.5-T3-B	17	16	150	35	15	3	11.4	Fig 2	MGMN150	0416	L3
	1618M-1.5-T4-B	18	16	150	35	15	4	12.4	Fig 2			
	1619M-1.5-T5-B	19	16	150	35	15	5	13.4	Fig 2			
	1620M-1.5-T6-B	20	16	150	35	15	6	14.4	Fig 2			
	1615M-2-T3-B	15	16	150	30	15	3	11.4	Fig 2	MGMN200	0416	L3
	1616M-2-T4-B	16	16	150	30	15	4	12.4	Fig 2			
	1617M-2-T5-B	17	16	150	30	15	5	13.4	Fig 2			
	1618M-2-T4-B	18	16	150	35	15	4	12.4	Fig 2			
	1619M-2-T5-B	19	16	150	35	15	5	13.4	Fig 2	MGMN300	0520	L4
	1620M-2-T6-B	20	16	150	35	15	6	14.4	Fig 2			
	1617M-3-T3-B	17	16	150	35	15	3	11.4	Fig 2			
	1618M-3-T4-B	18	16	150	35	15	4	12.4	Fig 2			
	1619M-3-T5-B	19	16	150	35	15	5	13.4	Fig 2	MGMN200	0416	L3
	1620M-3-T6-B	20	16	150	35	15	6	14.4	Fig 2			
	2025M-2-T7-B	25	20	150	45	18	7	17.4	Fig 2			
	2025M-2-T9-B	25	20	150	40	18	7	19.4	Fig 2			
	1620M-2-T3	20	16	150	10	15	3	11.4	Fig 1	MGMN300	0520	L4
	1622M-2-T5	21	16	150	10	15	5	13.4	Fig 1			
	1624M-2-T7	24	16	150	10	15	7	15.4	Fig 1			
	1624M-3-T7	24	16	150	10	15	7	15.4	Fig 1			
	1626M-3-T9	26	16	150	10	15	9	17.4	Fig 1	MGMN200	0416	L3
	2026M-2-T5	26	20	150	10	18	5	15.4	Fig 1			
	2027M-3-T6	27	20	150	10	18	6	16.4	Fig 1			
	2029M-3-T8	29	20	150	10	18	8	18.4	Fig 1			
	2031M-3-T10	31	20	150	10	18	10	20.4	Fig 1	MGMN300	0520	L4
	2027M-4-T6	27	20	150	10	18	6	16.4	Fig 1			
	2029M-4-T8	29	20	150	10	18	8	18.4	Fig 1			
	2031M-4-T10	31	20	150	10	18	10	20.4	Fig 1			
	2532R-3-T6	32	25	200	10	23	5	18.9	Fig 1	MGMN300	0520	L4
	2534R-3-T8	34	25	200	10	23	8	20.9	Fig 1			
	2536R-3-T10	35	25	200	10	23	10	22.9	Fig 1			
	2538R-3-T12	38	25	200	10	23	12	24.9	Fig 1			
	2532R-4-T6	32	25	200	10	23	6	18.9	Fig 1	MGMN400	0520	L4
	2534R-4-T8	34	25	200	10	23	8	20.9	Fig 1			
	2536R-4-T10	36	25	200	10	23	10	22.9	Fig 1			
	2538R-4-T12	38	25	200	10	23	12	24.9	Fig 1			
	2532R-5-T6	32	25	200	10	23	6	18.9	Fig 1	MGMN500	0520	L4
	2534R-5-T8	34	25	200	10	23	8	20.9	Fig 1			
	2536R-5-T10	36	25	200	10	23	10	22.9	Fig 1			
	2538R-5-T12	38	25	200	10	23	12	24.9	Fig 1			
3239S-3-T6	39	32	250	10	29	6	22.4	Fig 1	MGMN300	0520	L4	
3241S-3-T8	41	32	250	10	29	8	24.4	Fig 1				
3243S-3-T10	43	32	250	10	29	10	26.4	Fig 1				
3245S-3-T12	45	32	250	10	29	12	28.4	Fig 1				
3239S-4-T6	39	32	250	10	29	6	22.4	Fig 1	MGMN400	0520	L4	
3241S-4-T8	41	32	250	10	29	8	24.4	Fig 1				
3243S-4-T10	43	32	250	10	29	10	26.4	Fig 1				
3245S-4-T12	45	32	250	10	29	12	28.4	Fig 1				
3241S-5-T8	41	32	250	10	29	8	24.4	Fig 1	MGMN400	0520	L4	
3243S-5-T10	43	32	250	10	29	10	26.4	Fig 1				
3245S-5-T12	45	32	250	10	29	12	28.4	Fig 1				

# MGEHR/L

Internal Grooving Holder



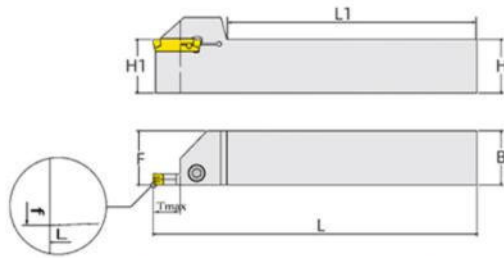
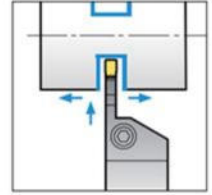
MGEHR/L系列  
MGEHR/L Series



Designation/型号		Dimension (mm)/尺寸							Inserts/刀片	Parts/配件	
		内槽加工、车削加工								螺丝 NLJ	扳手 TSA
大类	规格	H	B	L	L1	H1	F	TMAX			
MGEHR/L	1616H-1.5T8	16	16	100	68	16	16.2	8	MGMN150	0520	T20
	1616H-1.5T12	16	16	100	68	16	16.2	12			
	1616H-2T8	16	16	100	68	16	16.2	8	MGMN200		
	1616H-2T12	16	16	100	68	16	16.2	12			
	1616H-2.5T16	16	16	100	65	16	16.2	16	MGMN250		
	1616H-2.5T8	16	16	100	68	16	16.25	8			
	1616H-2.5T12	16	16	100	68	16	16.25	12	MGMN300		
	1616H-3T10	16	16	100	68	16	16.32	10			
	1616H-3T14	16	16	100	68	16	16.32	14	MGMN400		
	1616H-3T18	16	16	100	65	16	16.32	18			
	1616H-4T10	16	16	100	68	16	16.32	10	MGMN150		
	1616H-4T14	16	16	100	68	16	16.32	14			
	1616H-4T18	16	16	100	65	16	16.32	18	MGMN200		
	2020K-1.5T8	20	20	125	92	20	20.2	8			
	2020K-1.5T12	20	20	125	90	20	20.2	12	MGMN250		
	2020K-2T8	20	20	125	92	20	20.2	8			
	2020K-2T12	20	20	125	90	20	20.2	12	MGMN300		
	2020K-2T16	20	20	125	90	20	20.2	16			
	2020K-2.5T8	20	20	125	90	20	20.25	8	MGMN400		
	2020K-2.5T12	20	20	125	90	20	20.25	12			
	2020K-2.5T16	20	20	125	90	20	20.25	16	MGMN500		
	2020K-3T10	20	20	125	90	20	20.32	10			
	2020K-3T14	20	20	125	90	20	20.32	14	MGMN200		
	2020K-3T18	20	20	125	86	20	20.32	18			
	2020K-3T25	20	20	125	79	20	20.32	25	MGMN250		
	2020K-3T30	20	20	125	70	20	20.32	30			
	2020K-3T35	20	20	125	65	20	20.32	35	MGMN300		
	2020K-3T40	20	20	125	60	20	20.32	40			
	2020K-4T10	20	20	125	88	20	20.32	10	MGMN400		
	2020K-4T14	20	20	125	88	20	20.32	14			
	2020K-4T18	20	20	125	88	20	20.32	18	MGMN500		
	2020K-4T25	20	20	125	79	20	20.32	25			
	2020K-4T30	20	20	125	70	20	20.32	30	MGMN200		
	2020K-4T35	20	20	125	65	20	20.32	35			
	2020K-4T40	20	20	125	60	20	20.32	40	MGMN250		
	2020K-5T10	20	20	125	88	20	20.5	10			
	2020K-5T14	20	20	125	88	20	20.5	14	MGMN300		
	2020K-5T18	20	20	125	83	20	20.5	18			
	2020K-5T23	20	20	125	80	20	20.5	23	MGMN400		
	2020K-5T25	20	20	125	80	20	20.5	25			
	2020K-5T30	20	20	125	75	20	20.5	30	MGMN500		
	2525M-2T6	25	25	150	115	25	25.2	6			
	2525M-2T8	25	25	150	115	25	25.2	8	MGMN200		
	2525M-2T12	25	25	150	115	25	25.2	12			
	2525M-2T16	25	25	150	115	25	25.2	16	MGMN250		
	2525M-2.5T8	25	25	150	115	25	25.25	8			
	2525M-2.5T12	25	25	150	115	25	25.25	12	MGMN300		
	2525M-2.5T16	25	25	150	115	25	25.25	16			
	2525M-3T10	25	25	150	110	25	25.32	10	MGMN400		
	2525M-3T14	25	25	150	110	25	25.32	14			
2525M-3T18	25	25	150	110	25	25.32	18	MGMN500			
2525M-3T25	25	25	150	100	25	25.32	25				
2525M-3T30	25	25	150	95	25	25.32	30	MGMN200			
2525M-3T35	25	25	150	90	25	25.32	35				
2525M-3T40	25	25	150	85	25	25.32	40	MGMN250			
2525M-3T50	25	25	150	75	25	25.32	50				
2525M-4T10	25	25	150	110	25	25.32	10	MGMN300			
2525M-4T14	25	25	150	110	25	25.32	14				
2525M-4T18	25	25	150	110	25	25.32	18	MGMN400			
2525M-4T23	25	25	150	105	25	25.32	23				
2525M-4T25	25	25	150	103	25	25.32	25	MGMN500			
2525M-4T30	25	25	150	98	25	25.32	30				
2525M-4T35	25	25	150	93	25	25.32	35	MGMN200			
2525M-4T40	25	25	150	88	25	25.32	40				
2525M-4T50	25	25	150	78	25	25.32	50	MGMN250			
2525M-5T10	25	25	150	110	25	25.5	10				
2525M-5T14	25	25	150	110	25	25.5	14	MGMN300			
2525M-5T18	25	25	150	105	25	25.5	18				
2525M-5T23	25	25	150	105	25	25.5	23	MGMN400			
2525M-5T25	25	25	150	103	25	25.5	25				
2525M-5T30	25	25	150	98	25	25.5	30	MGMN500			
2525M-5T35	25	25	150	93	25	25.5	35				
2525M-5T40	25	25	150	88	25	25.5	40	MGMN200			
2525M-5T50	25	25	150	78	25	25.5	50				

# MGEHR/L

## Internal Grooving Holder

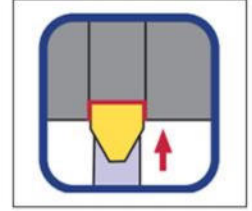
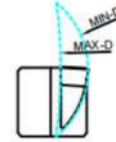
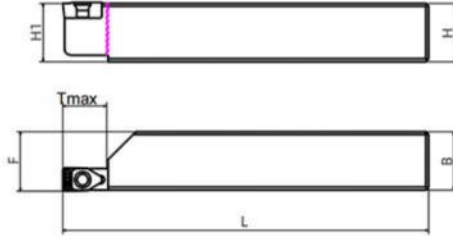

 MGEHR/L系列  
MGEHR/L Series





Designation/型号		Dimension (mm)/尺寸							Inserts/刀片	Parts/配件		
		内槽加工、车削加工								螺丝 NLJ	扳手 TSA	
大类	规格	H	B	L	L1	H1	F	TMAX				
MGEHR/L	3232P-3T10	32	32	170	128	32	32.25	10	MGMN300	0605	T20	
	3232P-3T14	32	32	170	128	32	32.25	10				
	3232P-3T18	32	32	170	128	32	32.25	10				
	3232P-3T25	32	32	170	120	32	32.25	10				
	3232P-3T30	32	32	170	115	32	32.25	10				
	3232P-4T10	32	32	170	128	32	32.25	10				MGMN400
	3232P-4T14	32	32	170	128	32	32.25	10				
	3232P-4T18	32	32	170	128	32	32.25	10				
	3232P-4T25	32	32	170	120	32	32.25	10				
	3232P-4T30	32	32	170	115	32	32.25	10				
	3232P-4T35	32	32	170	110	32	32.25	10				
	3232P-4T40	32	32	170	105	32	32.25	10				
	3232P-5T10	32	32	170	128	32	32.25	10	MGMN500			
	3232P-5T14	32	32	170	128	32	32.25	10				
	3232P-5T18	32	32	170	128	32	32.25	10				
	3232P-5T25	32	32	170	120	32	32.25	10				
	3232P-5T30	32	32	170	115	32	32.25	10				
	3232P-5T35	32	32	170	110	32	32.25	10				
	3232P-5T40	32	32	170	105	32	32.25	10				
	3232P-5T50	32	32	170	95	32	32.25	10				
	3232P-6T20	32	32	170	125	32	32.25	10		MGMN600		
	3232P-6T30	32	32	170	115	32	32.25	10				
	3232P-6T40	32	32	170	105	32	32.25	10				
	3232P-6T50	32	32	170	95	32	32.25	10				
	2020K-3R25	20	20	125	80	20	20.32	25	MGMN300		0520	T20
	2020K-3R30	20	20	125	75	20	20.32	30				
	2020K-4R25	20	20	125	80	20	20.32	25	MGMN400			
	2020K-4R30	20	20	125	75	20	20.32	30				
	2020K-4R35	20	20	125	70	20	20.32	35	MGMN500			
	2020K-5R25	20	20	125	80	20	20.5	25	MGMN300			
2020K-5R30	20	20	125	75	20	20.5	30					
2525M-3R25	25	25	150	105	25	25.32	25	MGMN300	0605	T20		
2525M-3R30	25	25	150	100	25	25.32	30					
2525M-4R25	25	25	150	105	25	25.32	25	MGMN400				
2525M-4R30	25	25	150	100	25	25.32	30					
2525M-4R35	25	25	150	95	25	25.32	35	MGMN500				
2525M-5R25	25	25	150	105	25	25.5	25					
2525M-5R30	25	25	150	100	25	25.5	30					
2525M-5R35	25	25	150	95	25	25.5	35					

# STEHR/L

 STEHR系列  
STEHR Series

Large width Grooving Holder



Designation/型号		Dimension (mm)/尺寸								Inserts/刀片	Parts/配件	
大类	规格	H	B	L	F	H1	Tmax	Dmin	Dmax		 螺丝 SCREW	 扳手 WRENCH
STEHR/L	2020K08-50-∞-T15	20	20	125	20.4	20	15	50	∞	TIGER 080508	TSB-3580-1	T15
	2020K08-50-∞-T30	20	20	125	20.4	20	30	50	∞	TIGER 080508	TSB-3580-1	T15
	2020K10-50-∞-T15	20	20	125	20.4	20	15	50	∞	TIGER 100508	TSB-4010-1	T15
	2020K10-50-∞-T30	20	20	125	20.4	20	30	50	∞	TIGER 100508	TSB-4010-1	T15
	2020K12-50-∞-T15	20	20	125	20.4	20	15	50	∞	TIGER 120508	TSB-5012-1	T20
	2020K12-50-∞-T30	20	20	125	20.4	20	30	50	∞	TIGER 120508	TSB-5012-1	T20
	2525M08-50-∞-T15	25	25	150	25.4	25	15	50	∞	TIGER 080508	TSB-3580-1	T15
	2525M08-50-∞-T30	25	25	150	25.4	25	30	50	∞			
	2525M08-50-∞-T45	25	25	150	25.4	25	45	50	∞			
	2525M08-80-200-T15	25	25	150	25.4	25	15	80	200			
	2525M08-80-200-T30	25	25	150	25.4	25	30	80	200			
	2525M08-80-200-T45	25	25	150	25.4	25	45	80	200			
	2525M08-200-800-T15	25	25	150	25.4	25	15	200	800			
	2525M08-200-800-T30	25	25	150	25.4	25	30	200	800			
	2525M08-200-800-T45	25	25	150	25.4	25	45	200	800			
	2525M08-200-800-T60	25	25	150	25.4	25	60	200	800			
	2525M10-50-∞-T15	25	25	150	25.4	25	15	50	∞	TIGER 100508	TSB-4010-1	T15
	2525M10-50-∞-T30	25	25	150	25.4	25	30	50	∞			
	2525M10-50-∞-T45	25	25	150	25.4	25	45	50	∞			
	2525M10-80-200-T15	25	25	150	25.4	25	15	80	200			
	2525M10-80-200-T30	25	25	150	25.4	25	30	80	200			
	2525M10-80-200-T45	25	25	150	25.4	25	45	80	200			
	2525M10-200-800-T15	25	25	150	25.4	25	15	200	800			
	2525M10-200-800-T30	25	25	150	25.4	25	30	200	800			
	2525M10-200-800-T45	25	25	150	25.4	25	45	200	800			
	2525M10-200-800-T60	25	25	150	25.4	25	60	200	800			
	2525M12-50-∞-T15	25	25	150	25.4	25	15	50	∞	TIGER 120508	TSB-5012-1	T20
	2525M12-50-∞-T30	25	25	150	25.4	25	30	50	∞			
	2525M12-50-∞-T45	25	25	150	25.4	25	45	50	∞			
	2525M12-80-200-T15	25	25	150	25.4	25	15	80	200			
	2525M12-80-200-T30	25	25	150	25.4	25	30	80	200			
	2525M12-80-200-T45	25	25	150	25.4	25	45	80	200			
	2525M12-200-800-T15	25	25	150	25.4	25	15	200	800			
	2525M12-200-800-T30	25	25	150	25.4	25	30	200	800			
	2525M12-200-800-T45	25	25	150	25.4	25	45	200	800			
	2525M12-200-800-T60	25	25	150	25.4	25	60	200	800			
	3232P08-80-200-T15	32	32	170	32.4	32	15	80	200	TIGER 080508	TSB-3580-1	T15
	3232P08-80-200-T30	32	32	170	32.4	32	30	80	200			
	3232P08-80-200-T45	32	32	170	32.4	32	45	80	200			
	3232P08-200-1000-T20	32	32	170	32.4	32	20	200	1000			
3232P08-200-1000-T40	32	32	170	32.4	32	40	200	1000				
3232P08-200-1000-T60	32	32	170	32.4	32	60	200	1000				
3232P10-80-200-T15	32	32	170	32.4	32	15	80	200	TIGER 100508	TSB-4010-1	T15	
3232P10-80-200-T30	32	32	170	32.4	32	30	80	200				
3232P10-80-200-T45	32	32	170	32.4	32	45	80	200				
3232P10-200-1000-T20	32	32	170	32.4	32	20	200	1000				
3232P10-200-1000-T40	32	32	170	32.4	32	40	200	1000				
3232P10-200-1000-T60	32	32	170	32.4	32	60	200	1000				
3232P12-80-200-T15	32	32	170	32.4	32	15	80	200	TIGER 120508	TSB-5012-1	T20	
3232P12-80-200-T30	32	32	170	32.4	32	30	80	200				
3232P12-80-200-T45	32	32	170	32.4	32	45	80	200				
3232P12-200-1000-T20	32	32	170	32.4	32	20	200	1000				
3232P12-200-1000-T40	32	32	170	32.4	32	40	200	1000				
3232P12-200-1000-T60	32	32	170	32.4	32	60	200	1000				
4040R08-200-1000-T30	40	40	200	40.4	40	30	200	1000	TIGER 080508	TSB-3580-1	T15	
4040R08-200-1000-T50	40	40	200	40.4	40	50	200	1000				
4040R08-200-1000-T70	40	40	200	40.4	40	70	200	1000				
4040R10-200-1000-T30	40	40	200	40.4	40	30	200	1000	TIGER 100508	TSB-4010-1	T15	
4040R10-200-1000-T50	40	40	200	40.4	40	50	200	1000				
4040R10-200-1000-T70	40	40	200	40.4	40	70	200	1000				
4040R12-200-1000-T30	40	40	200	40.4	40	30	200	1000	TIGER 120508	TSB-5012-1	T20	
4040R12-200-1000-T50	40	40	200	40.4	40	50	200	1000				
4040R12-200-1000-T70	40	40	200	40.4	40	70	200	1000				



DRILLING TOOL

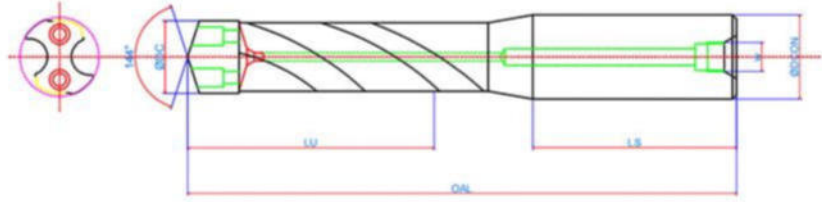
**SHCD**



# SHCD

SHCD SERIES

Indexable Head Type Drill



Dia 直径	D 倍径	Specifications 钻杆型号	LU 有效长	LS 柄长	OAL 全长	DCON 柄径	W 柄部螺纹	Screw 固定螺丝	Wrench 扳手
10.0-10.5	1.5D	SHCD-100-105-1.5D-12SO	21		81				
	3.0D	SHCD-100-105-3.0D-12SO	37		97				
	5.0D	SHCD-100-105-5.0D-12SO	58		118				
10.6-11.2	1.5D	SHCD-106-112-1.5D-12SO	22		83	12	M6	HG-M2.0x7.5	TWA-IP6
	3.0D	SHCD-106-112-3.0D-12SO	39		100				
	5.0D	SHCD-106-112-5.0D-12SO	62		122				
11.3-11.9	1.5D	SHCD-113-119-1.5D-12SO	24		85				
	3.0D	SHCD-113-119-3.0D-12SO	42		103				
	5.0D	SHCD-113-119-5.0D-12SO	65		127				
12.0-12.4	1.5D	SHCD-120-124-1.5D-16SO	25		87				
	3.0D	SHCD-120-124-3.0D-16SO	43		105				
	5.0D	SHCD-120-124-5.0D-16SO	68		130				
12.5-12.9	1.5D	SHCD-125-129-1.5D-16SO	26	48	88			HG-M2.2x7.5	
	3.0D	SHCD-125-129-3.0D-16SO	45		107				
	5.0D	SHCD-125-129-5.0D-16SO	71		133				
13.0-13.4	1.5D	SHCD-130-134-1.5D-16SO	27		90	16	ZG1/8		TWA-IP8
	3.0D	SHCD-130-134-3.0D-16SO	47		110				
	5.0D	SHCD-130-134-5.0D-16SO	74		137				
13.5-14.5	1.5D	SHCD-135-145-1.5D-16SO	29		93				
	3.0D	SHCD-135-145-3.0D-16SO	51		114				
	5.0D	SHCD-135-145-5.0D-16SO	80		143				
14.6-15.5	1.5D	SHCD-146-155-1.5D-16SO	31		98			HG-M2.2x9.0	
	3.0D	SHCD-146-155-3.0D-16SO	54		121				
	5.0D	SHCD-146-155-5.0D-16SO	85		152				
15.6-16.5	1.5D	SHCD-156-165-1.5D-16SO	33		101				
	3.0D	SHCD-156-165-3.0D-16SO	58		126				
	5.0D	SHCD-156-165-5.0D-16SO	91		159				
16.6-17.5	1.5D	SHCD-165-175-1.5D-20SO	35		106			HG-M2.5x9.0	TWA-IP10
	3.0D	SHCD-165-175-3.0D-20SO	61		132				
	5.0D	SHCD-165-175-5.0D-20SO	96		167				
17.6-18.5	1.5D	SHCD-176-185-1.5D-20SO	37		109				
	3.0D	SHCD-176-185-3.0D-20SO	65		137				
	5.0D	SHCD-176-185-5.0D-20SO	102		174				
18.6-19.5	1.5D	SHCD-186-195-1.5D-20SO	39	50	112	20	ZG1/8		
	3.0D	SHCD-186-195-3.0D-20SO	68		142				
	5.0D	SHCD-186-195-5.0D-20SO	107		181				
19.6-20.5	1.5D	SHCD-196-205-1.5D-20SO	41		115			HG-M3.0x10.5	
	3.0D	SHCD-196-205-3.0D-20SO	72		146				
	5.0D	SHCD-196-205-5.0D-20SO	113		187				
20.6-21.5	1.5D	SHCD-206-215-1.5D-25SO	43		129				TWA-IP15
	3.0D	SHCD-206-215-3.0D-25SO	75		161				
	5.0D	SHCD-206-215-5.0D-25SO	118		204				
21.6-22.8	1.5D	SHCD-216-228-1.5D-25SO	46		132				
	3.0D	SHCD-216-228-3.0D-25SO	80		166				
	5.0D	SHCD-216-228-5.0D-25SO	125		212				
22.9-23.8	1.5D	SHCD-229-238-1.5D-25SO	48	60	135	25	ZG1/8	HG-M3.5x11.5	
	3.0D	SHCD-229-238-3.0D-25SO	83		171				
	5.0D	SHCD-229-238-5.0D-25SO	131		218				
23.9-24.8	1.5D	SHCD-239-248-1.5D-25SO	50		138				
	3.0D	SHCD-239-248-3.0D-25SO	87		175				
	5.0D	SHCD-239-248-5.0D-25SO	136		224				
24.9-25.8	1.5D	SHCD-249-258-1.5D-25SO	52		141			HG-M4.0x12.4	TWA-IP20
	3.0D	SHCD-249-258-3.0D-25SO	90		179				
	5.0D	SHCD-249-258-5.0D-25SO	142		231				



Range of machining tolerance: -0.25~+0.25      Drilling depth: 2xdiameter

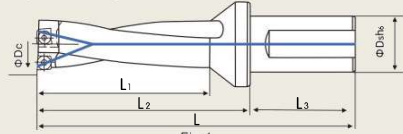


Fig.1



Range of machining tolerance: -0.25~+0.25      Drilling depth: 3xdiameter

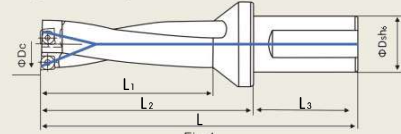


Fig.1



ΦDc	ΦDs	Specification/Item	Store	L	φ <sub>1</sub>	φ <sub>2</sub>	φ <sub>3</sub>	Applicable Insert	kg
10		2D10-22SP04	●	85.5	22	35.5		SP..04T102	0.2
10.5		2D10.5-23SP04	●	86.5	22	35.5			0.2
11	20	2D11-24SP04	●	87.5	24	36.5	44		0.2
11.5		2D11.5-24SP04	●	88	24	38			0.2
12		2D12-26SP04	●	90	25	40			0.2
12.5		2D12.5-27SP04	●	93	27	43			0.2
13		2D13-29SP05	●	88	29	44			0.2
13.5		2D13.5-30SP05	●	89	30	45			0.2
14	20	2D14-31SP05	●	90	31	46	44		0.2
14.5	/	2D14.5-32SP05	●	91	32	47	/		0.2
15	25	2D15-33SP05	●	92	33	48	56	0.2	
15.5		2D15.5-34SP05	●	93	34	49		0.2	
16		2D16-35SP06	●	94	35	50		0.2	
16.5		2D16.5-36SP06	●	95	36	51		0.2	
17		2D17-37SP06	●	96	37	52		0.2	
17.5		2D17.5-38SP06	●	109	38	53		0.2	
18		2D18-39SP06	●	110	39	54		0.3	
18.5		2D18.5-40SP06	●	111	40	55		0.3	
19		2D19-41SP06	●	112	41	56		0.3	
19.5		2D19.5-42SP06	●	113	42	57		0.3	
20		2D20-43SP06	●	114	43	58		0.3	
20.5		2D20.5-44SP06	●	115	44	59		0.3	
21	25	2D21-45SP06	●	116	45	60	56	0.3	
21.5		2D21.5-46SP06	●	117	46	61		0.3	
22		2D22-47SP07	●	118	47	62		0.4	
22.5		2D22.5-48SP07	●	119	48	63		0.4	
23		2D23-49SP07	●	123	49	67		0.4	
23.5		2D23.5-50SP07	●	124	50	68		0.4	
24		2D24-51SP07	●	125	51	69		0.4	
24.5		2D24.5-52SP07	●	126	52	70		0.4	
25		2D25-53SP07	●	127	53	71		0.4	
25.5		2D25.5-54SP07	●	134	54	74		0.6	
26		2D26-55SP07	●	135	55	75		0.6	
26.5		2D26.5-56SP07	●	136	56	76		0.6	
27		2D27-57SP07	●	137	57	77		0.6	
27.5		2D27.5-58SP07	●	138	58	78		0.6	
28		2D28-59SP07/09	●	139	59	79		0.6	
28.5		2D28.5-60SP07/09	●	140	60	80		0.6	
29		2D29-62SP09	●	143	62	83		0.7	
29.5	32	2D29.5-63SP09	●	144	63	84	60	0.7	
30		2D30-64SP09	●	148	64	88		0.7	
30.5		2D30.5-65SP09	●	149	65	89		0.7	
31		2D31-66SP09	●	150	66	90		0.7	
31.5		2D31.5-67SP09	●	151	67	91		0.7	
32		2D32-68SP09	●	152	68	92		0.8	
32.5		2D32.5-69SP09	●	153	69	93		0.8	
33		2D33-70SP09	●	154	70	94		0.8	
33.5		2D33.5-71SP09	●	155	71	95		0.8	

ΦDc	ΦDs	Specification/Item	Store	L	φ <sub>1</sub>	φ <sub>2</sub>	φ <sub>3</sub>	Applicable Insert	kg
34		2D34-72SP09/11	●	156	72	96		SP..090408	0.8
34.5		2D34.5-73SP09/11	●	157	73	97		SP..110408	0.8
35		2D35-74SP11	●	158	74	98			0.8
35.5		2D35.5-75SP11	●	159	75	99			0.8
36		2D36-76SP11	●	160	76	100			0.9
36.5	32	2D36.5-77SP11	●	161	77	101	60		0.9
37		2D37-79SP11	●	169	79	109			0.9
37.5		2D37.5-80SP11	●	170	80	110			0.9
38		2D38-81SP11	●	171	81	111			0.9
38.5		2D38.5-82SP11	●	172	82	112			0.9
39		2D39-83SP11	●	173	83	113			1.0
39.5		2D39.5-84SP11	●	174	84	114			1.1
40		2D40-85SP11	●	185	85	115			1.1
40.5		2D40.5-86SP11	○	186	86	116			1.1
41		2D41-87SP11	○	187	87	117			1.1
41.5		2D41.5-88SP11	○	188	88	118			1.1
42		2D42-89SP14	○	189	89	119			1.1
42.5		2D42.5-90SP14	○	190	90	120			1.3
43		2D43-91SP14	○	191	91	121			1.5
43.5		2D43.5-92SP14	○	192	92	122			1.5
44		2D44-93SP14	○	193	93	123			1.6
44.5		2D44.5-94SP14	○	194	94	124			1.6
45		2D45-95SP14	○	195	95	125			1.7
45.5		2D45.5-96SP14	○	196	96	126			1.7
46		2D46-97SP14	○	197	97	127			1.7
46.5		2D46.5-98SP14	○	198	98	128			1.8
47		2D47-99SP14	○	199	99	129			1.8
47.5	40	2D47.5-100SP14	○	200	100	130	70		1.8
48		2D48-101SP14	○	201	101	131			1.8
48.5		2D48.5-102SP14	○	202	102	132			1.8
49		2D49-103SP14	○	203	103	133			1.9
49.5		2D49.5-105SP14	○	204	104	134			1.9
50		2D50-105SP14	○	205	105	135			1.9
51		2D51-107SP09	○	207	107	137			2.0
52		2D52-109SP09	○	209	109	139			2.0
53		2D53-111SP09	○	211	111	141			2.1
54		2D54-113SP09	○	213	113	143			2.2
55		2D55-115SP09	○	215	115	145			2.3
56		2D56-120SP09	○	220	120	152			2.4
57		2D57-122SP09	○	224	122	154			2.5
58		2D58-124SP09	○	226	124	156			2.6
59		2D59-126SP09	○	228	126	158			2.7
60		2D60-128SP09	○	230	128	160			2.8

● Mark: Standard stock item,  
○ No mark: Made to order item.

ΦDc	ΦDs	Specification/Item	Store	L	φ <sub>1</sub>	φ <sub>2</sub>	φ <sub>3</sub>	Applicable Insert	kg
10		3D10-32SP04	●	97	32	47		SP..04T102	0.2
10.5		3D10.5-34SP04	●	97.5	34	47.5			0.2
11	20	3D11-34SP04	●	98.5	34	48.5	44		0.2
11.5		3D11.5-37SP04	●	100	37	50			0.2
12		3D12-38SP04	●	102	38	52			0.2
12.5		3D12.5-41SP04	●	105	41	55			0.2
13		3D13-42SP05	●	101	42	57			0.2
13.5		3D13.5-44SP05	●	103	44	59			0.2
14	20	3D14-45SP05	●	104	45	60	44		0.2
14.5	/	3D14.5-47SP05	●	106	47	62	/		0.2
15	25	3D15-48SP05	●	107	48	63	56	0.2	
15.5		3D15.5-50SP05	●	109	50	65		0.2	
16		3D16-51SP06	●	110	51	66		0.2	
16.5		3D16.5-53SP06	●	112	53	68		0.2	
17		3D17-54SP06	●	113	54	69		0.2	
17.5		3D17.5-56SP06	●	127	56	71		0.2	
18		3D18-57SP06	●	128	57	72		0.3	
18.5		3D18.5-59SP06	●	130	59	74		0.3	
19		3D19-60SP06	●	131	60	75		0.3	
19.5		3D19.5-62SP06	●	133	62	77		0.3	
20		3D20-63SP06	●	134	63	78		0.3	
20.5		3D20.5-65SP06	●	136	65	80		0.3	
21	25	3D21-66SP06	●	137	66	81	56	0.3	
21.5		3D21.5-68SP06	●	139	68	83		0.3	
22		3D22-69SP07	●	140	69	84		0.4	
22.5		3D22.5-71SP07	●	142	71	86		0.4	
23		3D23-72SP07	●	146	72	90		0.4	
23.5		3D23.5-74SP07	●	148	74	92		0.4	
24		3D24-75SP07	●	149	75	93		0.4	
24.5		3D24.5-77SP07	●	151	77	95		0.4	
25		3D25-78SP07	●	152	78	96		0.4	
25.5		3D25.5-80SP07	●	160	80	100		0.6	
26		3D26-81SP07	●	161	81	101		0.6	
26.5		3D26.5-83SP07	●	163	83	103		0.6	
27		3D27-84SP07	●	164	84	104		0.6	
27.5		3D27.5-86SP07	●	166	86	106		0.6	
28		3D28-87SP07/09	●	167	87	107		0.6	
28.5		3D28.5-89SP07/09	●	169	89	109		0.6	
29		3D29-91SP09	●	172	91	112		0.7	
29.5	32	3D29.5-93SP09	●	174	93	114	60	0.7	
30		3D30-94SP09	●	178	94	118		0.7	
30.5		3D30.5-96SP09	●	180	96	120		0.7	
31		3D31-97SP09	●	181	97	121		0.7	
31.5		3D31.5-99SP09	●	183	99	123		0.7	
32		3D32-100SP09	●	184	100	124		0.8	
32.5		3D32.5-102SP09	●	186	102	126		0.8	
33		3D33-103SP09	●	187	103	127		0.8	
33.5		3D33.5-105SP09	●	189	105	129		0.8	

ΦDc	ΦDs	Specification/Item	Store	L	φ <sub>1</sub>	φ <sub>2</sub>	φ <sub>3</sub>	Applicable Insert	kg
34		3D34-106SP09/11	●	190	106	130		SP..090408	0.8
34.5		3D34.5-108SP09/11	●	192	108	132		SP..110408	0.8
35		3D35-109SP11	●	193	109	133			0.8
35.5		3D35.5-111SP11	●	195	111	135			0.8
36		3D36-112SP11	●	196	112	136			0.9
36.5	32	3D36.5-114SP11	●	198	114	138	60		0.9
37		3D37-116SP11	●	206	116	146			0.9
37.5		3D37.5-118SP11	●	208	118	148			0.9

Range of machining tolerance: -0.30~+0.30      Drilling depth: 4xdiameter

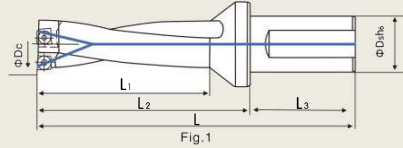


Fig.1



Range of machining tolerance: -0.30~+0.30      Drilling depth: 5xdiameter

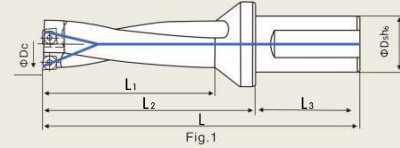


Fig.1



ΦDc	ΦDs	Specification/Item	Store	L	φ1	φ2	φ3	Applicable Insert	kg
11.5		4D11.5-47SP04	●	111	47	61			0.2
12	20	4D12-50SP04	●	115	50	65	44	SP..04T102	0.2
12.5		4D12.5-52SP04	●	117	52	67			0.2
13		4D13-55SP05	●	114	55	70			0.2
13.5		4D13.5-57SP05	●	116	57	72			0.2
14		4D14-59SP05	●	118	59	74			0.2
14.5	20	4D14.5-61SP05	●	120	61	76	44	SP..050204	0.2
15	/	4D15-63SP05	●	122	63	78	/		0.2
15.5	25	4D15.5-65SP05	●	124	65	80	56		0.2
16		4D16-67SP06	●	126	67	82			0.2
16.5		4D16.5-69SP06	●	128	69	84			0.2
17		4D17-71SP06	●	130	71	86			0.2
17.5		4D17.5-73SP06	●	144	73	88			0.2
18		4D18-75SP06	●	146	75	90			0.3
18.5		4D18.5-77SP06	●	148	77	92			0.3
19		4D19-79SP06	●	150	79	94			0.3
19.5		4D19.5-81SP06	●	152	81	96			0.3
20		4D20-83SP06	●	154	83	98			0.3
20.5		4D20.5-85SP06	●	156	85	100			0.3
21		4D21-87SP06	●	158	87	102			0.3
21.5	25	4D21.5-89SP06	●	160	89	104	56		0.3
22		4D22-91SP07	●	162	91	106			0.4
22.5		4D22.5-93SP07	●	164	93	108			0.4
23		4D23-95SP07	●	169	95	113			0.4
23.5		4D23.5-97SP07	●	171	97	115			0.4
24		4D24-99SP07	●	173	99	117			0.4
24.5		4D24.5-101SP07	●	175	101	119			0.4
25		4D25-103SP07	●	177	103	121			0.4
25.5		4D25.5-105SP07	●	185	105	125			0.6
26		4D26-107SP07	●	187	107	127			0.6
26.5		4D26.5-109SP07	●	189	109	129			0.6
27		4D27-111SP07	●	191	111	131			0.6
27.5		4D27.5-113SP07	●	193	113	133			0.6
28		4D28-115SP07/09	●	195	115	135			0.6
28.5		4D28.5-117SP07/09	●	197	117	137			0.6
29		4D29-120SP09	●	201	120	141			0.7
29.5		4D29.5-122SP09	●	203	122	143			0.7
30		4D30-124SP09	●	208	124	148			0.7
30.5	32	4D30.5-126SP09	●	210	126	150	60		0.7
31		4D31-128SP09	●	212	128	152			0.7
31.5		4D31.5-130SP09	●	214	130	154			0.7
32		4D32-132SP09	●	216	132	156			0.8
32.5		4D32.5-134SP09	●	218	134	158			0.8
33		4D33-136SP09	●	220	136	160			0.8
33.5		4D33.5-138SP09	●	222	138	162			0.8
34		4D34-140SP09/11	●	224	140	164			0.8
34.5		4D34.5-142SP09/11	●	226	142	166			0.8
35		4D35-144SP11	●	228	144	168			0.8

ΦDc	ΦDs	Specification/Item	Store	L	φ1	φ2	φ3	Applicable Insert	kg
35.5		4D35.5-146SP11	●	230	146	170			0.8
36		4D36-148SP11	●	232	148	172			0.9
36.5		4D36.5-150SP11	●	236	150	174			0.9
37		4D37-153SP11	●	243	153	183			0.9
37.5	32	4D37.5-155SP11	●	245	155	185	60		0.9
38		4D38-157SP11	●	247	157	187			0.9
38.5		4D38.5-159SP11	●	249	159	189			0.9
39		4D39-161SP11	●	251	161	191			1.0
39.5		4D39.5-163SP11	●	253	163	193			1.1
40		4D40-165SP11	●	265	165	195			1.1
40.5		4D40.5-167SP11	●	267	167	197			1.1
41		4D41-169SP11	○	269	169	199			1.1
41.5		4D41.5-171SP11	○	271	171	201			1.1
42		4D42-173SP14	○	273	173	203			1.1
42.5		4D42.5-175SP14	○	275	175	205			1.3
43		4D43-177SP14	○	277	177	207			1.5
43.5		4D43.5-179SP14	○	279	179	209			1.5
44		4D44-181SP14	○	281	181	211			1.6
44.5		4D44.5-183SP14	○	283	183	213			1.6
45		4D45-185SP14	○	285	185	215			1.7
45.5		4D45.5-187SP14	○	287	187	217			1.7
46		4D46-189SP14	○	289	189	219			1.7
46.5		4D46.5-191SP14	○	291	191	221			1.7
47		4D47-193SP14	○	293	193	223			1.8
47.5	40	4D47.5-193SP14	○	295	195	225	70		1.8
48		4D48-197SP14	○	297	197	227			1.8
48.5		4D48.5-199SP14	○	299	199	229			1.8
49		4D49-201SP14	○	301	201	231			1.9
49.5		4D49.5-204SP14	○	303	203	233			1.9
50		4D50-205SP14	○	305	205	235			1.9
51		4D51-209SP09	○	309	209	239			2.9
52		4D52-213SP09	○	313	213	243			3.0
53		4D53-217SP09	○	317	217	247			3.1
54		4D54-221SP09	○	321	221	251			3.2
55		4D55-225SP09	○	325	225	255			3.3
56		4D56-232SP09	○	334	232	264			3.5
57		4D57-236SP09	○	338	236	268			3.7
58		4D58-240SP09	○	342	240	272			3.8
59		4D59-244SP09	○	346	244	276			4.0
60		4D60-248SP09	○	350	248	280			4.1

◎ Spare Parts

type	diameter	Blade model	Screw	Wrench
SP	15-15.5	SP05	M2	X 5 T7
SP	16-21.5	SP06	M2.2	X 5 T7
SP	22-28.5	SP07	M2.5	X 6 T8

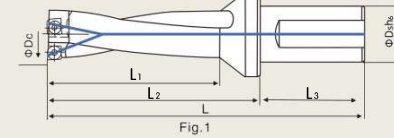
ΦDc	ΦDs	Specification/Item	Store	L	φ1	φ2	φ3	Applicable Insert	kg
13		5D13-68SP05	●	129	68	85			0.3
13.5		5D13.5-71SP05	●	131	71	87			0.3
14		5D14-73SP05	●	133	73	89			0.3
14.5	20	5D14.5-76SP05	●	135	76	91	44	SP..050204	0.3
15	/	5D15-78SP05	●	137	78	93	/		0.3
15.5	25	5D15.5-80SP05	●	140	80	95	56		0.3
16		5D16-83SP06	●	142	83	98			0.4
16.5		5D16.5-86SP06	●	145	86	101			0.4
17		5D17-88SP06	●	147	88	103			0.4
17.5		5D17.5-91SP06	●	162	91	106			0.4
18		5D18-93SP06	●	164	93	108			0.5
18.5		5D18.5-96SP06	●	167	96	111			0.5
19		5D19-98SP06	●	169	98	113			0.5
19.5		5D19.5-101SP06	●	172	101	116			0.5
20		5D20-106SP06	●	174	103	118			0.5
20.5		5D20.5-106SP06	●	177	106	121			0.5
21		5D21-108SP06	●	179	108	123			0.5
21.5	25	5D21.5-111SP06	●	182	111	126	56		0.5
22		5D22-113SP07	●	184	113	128			0.5
22.5		5D22.5-116SP07	●	187	116	131			0.5
23		5D23-118SP07	●	192	118	136			0.6
23.5		5D23.5-121SP07	●	195	121	139			0.6
24		5D24-123SP07	●	197	123	141			0.6
24.5		5D24.5-126SP07	●	200	126	144			0.8
25		5D25-128SP07	●	202	128	146			0.8
25.5		5D25.5-131SP07	●	213	131	153			0.8
26		5D26-133SP07	●	216	133	156			0.8
26.5		5D26.5-136SP07	●	217	136	157			0.8
27		5D27-138SP07	●	218	138	158			0.8
27.5		5D27.5-141SP07	●	221	141	161			0.8
28		5D28-143SP07/09	●	223	143	163			0.9
28.5		5D28.5-146SP07/09	●	226	146	166			0.9
29		5D29-149SP09	●	230	149	170			0.9
29.5		5D29.5-151SP05	●	233	151	173			0.9
30		5D30-154SP09	●	238	154	178			1.0
30.5	32	5D30.5-157SP09	●	241	157	181	60		1.0
31		5D31-159SP09	●	243	159	183			1.0
31.5		5D31.5-162SP09	●	245	162	185			1.0
32		5D32-164SP09	●	248	164	188			1.1
32.5		5D32.5-167SP09	●	251	167	191			1.1
33		5D33-169SP09	●	253	169	193			1.1
33.5		5D33.5-172SP09	●	255	172	195			1.1
34		5D34-174SP11	●	258	174	198			1.2
34.5		5D34.5-177SP11	●	261	177	201			1.2
35		5D35-179SP11	●	263	179	203			1.2
35.5		5D35.5-182SP11	●	265	182	205			1.2

ΦDc	ΦDs	Specification/Item	Store	L	φ1	φ2	φ3	Applicable Insert	kg
36		5D36-184SP11	●	268	184	208			1.3
36.5		5D36.5-187SP11	●	271	187	211			1.3
37		5D37-190SP11	●	280	190	220			1.3
37.5	32	5D37.5-193SP11	●	283	193	223	60</		



Range of machining tolerance:  $-0.25 \sim +0.25$

Drilling depth: 2x diameter



ΦDc	ΦDs	Specification/Item	Store	L	φ <sup>1</sup>	φ <sup>2</sup>	φ <sup>3</sup>	Applicable Insert	kg
13		2D13-29SOMT05	●	88	29	44			0.2
13.5		2D13.5-30SOMT05	●	89	30	45			0.2
14		2D14-31SOMT05	●	90	31	46			0.2
14.5	20	2D14.5-32SOMT05	●	91	32	47	44	SOMT050204	0.2
15	/	2D15-33SOMT05	●	92	33	48	/		0.2
15.5	25	2D15.5-34SOMT05	●	93	34	49	56		0.2
16		2D16-35SOMT05	●	94	35	50			0.2
16.5		2D16.5-36SOMT06	●	95	36	51			0.2
17		2D17-37SOMT06	●	96	37	52			0.2
17.5		2D17.5-38SOMT06	●	109	38	53		SOMT060204	0.2
18		2D18-39SOMT06	●	110	39	54			0.3
18.5		2D18.5-40SOMT06	●	111	40	55			0.3
19		2D19-41SOMT06	●	112	41	56			0.3
19.5		2D19.5-42SOMT07	●	113	42	57			0.3
20		2D20-43SOMT07	●	114	43	58			0.3
20.5		2D20.5-44SOMT07	●	115	44	59		SOMT070306	0.3
21		2D21-45SOMT07	●	116	45	60			0.3
21.5	25	2D21.5-46SOMT07	●	117	46	61	56		0.3
22		2D22-47SOMT07	●	118	47	62			0.4
22.5		2D22.5-48SOMT08	●	119	48	63			0.4
23		2D23-49SOMT08	●	123	49	67			0.4
23.5		2D23.5-50SOMT08	●	124	50	68		SOMT08T306	0.4
24		2D24-51SOMT08	●	125	51	69			0.4
24.5		2D24.5-52SOMT08	●	126	52	70			0.4
25		2D25-53SOMT08	●	127	53	71			0.4
25.5		2D25.5-54SOMT08	●	134	54	74			0.6
26		2D26-55SOMT08	●	135	55	75			0.6
26.5		2D26.5-56SOMT09	●	136	56	76			0.6
27		2D27-57SOMT09	●	137	57	77			0.6
27.5		2D27.5-58SOMT09	●	138	58	78			0.6
28		2D28-59SOMT09	●	139	59	79			0.6
28.5		2D28.5-60SOMT09	●	140	60	80			0.6
29		2D29-62SOMT09	●	143	62	83		SOMT09T308	0.7
29.5		2D29.5-63SOMT09	●	144	63	84			0.7
30		2D30-64SOMT09	●	148	64	88			0.7
30.5	32	2D30.5-65SOMT09	●	149	65	89	60		0.7
31		2D31-66SOMT09	●	150	66	90			0.7
31.5		2D31.5-67SOMT09	●	151	67	91			0.7
32		2D32-68SOMT11	●	152	68	92			0.8
32.5		2D32.5-69SOMT11	●	153	69	93			0.8
33		2D33-70SOMT11	●	154	70	94			0.8
33.5		2D33.5-71SOMT11	●	155	71	95		SOMT11T308	0.8
34		2D34-72SOMT11	●	156	72	96			0.8
34.5		2D34.5-73SOMT11	●	157	73	97			0.8
35		2D35-74SOMT11	●	158	74	98			0.8
35.5		2D35.5-75SOMT11	●	159	75	99			0.8

ΦDc	ΦDs	Specification/Item	Store	L	φ <sup>1</sup>	φ <sup>2</sup>	φ <sup>3</sup>	Applicable Insert	kg
36		2D36-76SOMT11	●	160	76	100		SOMT11T308	0.9
36.5		2D36.5-77SOMT11	○	161	77	101			0.9
37		2D37-79SOMT13	○	169	79	109			0.9
37.5	32	2D37.5-80SOMT13	○	170	80	110	60	SOMT130408	0.9
38		2D38-81SOMT13	○	171	81	111			0.9
38.5		2D38.5-82SOMT13	○	172	82	112			0.9
39		2D39-83SOMT13	○	173	83	113			1.0
39.5		2D39.5-84SOMT13	○	174	84	114			1.1
40	40	2D40-85SOMT13	○	185	85	115	70		1.1

Part number structure of SO type holder

**C20 - 2D 14 - 45 SOMT05**



○ Spare Parts

type	diameter	Blade model	Screw		Wrench
SO	13-16	SO05	M2	X 5	T6
	16.5-19	SO06	M2.2	X 5	T7
	19.5-22	SO07	M2.2	X 5	T7
	22.5-26	SO08	M2.5	X 6	T8
	26.5-31.5	SO09	M3.5	X 8.5	T15
	32-36.5	SO11	M3.5	X 8.5	T15
	37-43	SO13	M4	X 10	T20
	44-50	SO15	M5	X 11	T20

● Mark: Standard stock item,  
No mark: Made to order item.

Range of machining tolerance:

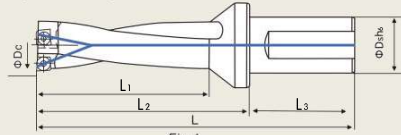


Fig.1



Range of machining tolerance:

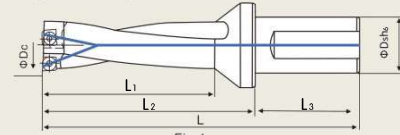
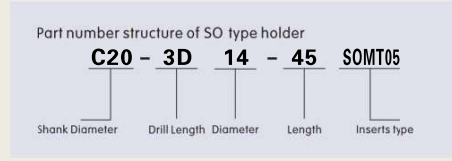


Fig.1



ΦDc	ΦDs	Specification/Item	Store	L	φ <sub>1</sub>	φ <sub>2</sub>	φ <sub>3</sub>	Applicable Insert	kg	
13		3D13-42SOMT05	●	101	42	57		SOMT050204	0.2	
13.5		3D13.5-44SOMT05	●	103	44	59			0.2	
14		3D14-45SOMT05	●	104	45	60			0.2	
14.5	20	3D14.5-47SOMT05	●	106	47	62	44		0.2	
15	/	3D15-48SOMT05	●	107	48	63	/		0.2	
15.5	25	3D15.5-50SOMT05	●	109	50	65	56		0.2	
16		3D16-51SOMT05	●	110	51	66			0.2	
16.5		3D16.5-53SOMT06	●	112	53	68			0.2	
17		3D17-54SOMT06	●	113	54	69			0.2	
17.5		3D17.5-56SOMT06	●	127	56	71			SOMT060204	0.2
18		3D18-57SOMT06	●	128	57	72				0.3
18.5		3D18.5-59SOMT06	●	130	59	74				0.3
19		3D19-60SOMT06	●	131	60	75			0.3	
19.5		3D19.5-62SOMT07	●	133	62	77			0.3	
20		3D20-63SOMT07	●	134	63	78			0.3	
20.5		3D20.5-65SOMT07	●	136	65	80			SOMT070306	0.3
21		3D21-66SOMT07	●	137	66	81				0.3
21.5	25	3D21.5-68SOMT07	●	139	68	83	56	0.3		
22		3D22-69SOMT07	●	140	69	84		0.4		
22.5		3D22.5-71SOMT08	●	142	71	86		0.4		
23		3D23-72SOMT08	●	146	72	90		0.4		
23.5		3D23.5-74SOMT08	●	148	74	92		0.4		
24		3D24-75SOMT08	●	149	75	93		0.4		
24.5		3D24.5-77SOMT08	●	151	77	95		0.4		
25		3D25-78SOMT08	●	152	78	96		0.4		
25.5		3D25.5-80SOMT08	●	160	80	100		SOMT08T306	0.6	
26		3D26-81SOMT08	●	161	81	101			0.6	
26.5		3D26.5-83SOMT09	●	163	83	103			0.6	
27		3D27-84SOMT09	●	164	84	104			0.6	
27.5		3D27.5-86SOMT09	●	166	86	106			0.6	
28		3D28-87SOMT09	●	167	87	107			0.6	
28.5		3D28.5-89SOMT09	●	169	89	109			0.6	
29		3D29-91SOMT09	●	172	91	112			0.7	
29.5		3D29.5-93SOMT09	●	174	93	114			0.7	
30		3D30-94SOMT09	●	178	94	118			0.7	
30.5	32	3D30.5-96SOMT09	●	180	96	120	60	0.7		
31		3D31-97SOMT09	●	181	97	121		0.7		
31.5		3D31.5-99SOMT09	●	183	99	123		0.7		
32		3D32-100SOMT11	●	184	100	124		0.8		
32.5		3D32.5-102SOMT11	●	186	102	126		0.8		
33		3D33-103SOMT11	●	187	103	127		0.8		
33.5		3D33.5-105SOMT11	●	189	105	129		0.8		
34		3D34-106SOMT11	●	190	106	130		0.8		
34.5		3D34.5-108SOMT11	●	192	108	132		0.8		
35		3D35-111SOMT11	●	193	109	133		0.8		
35.5		3D35.5-111SOMT11	●	195	111	135		0.8		

ΦDc	ΦDs	Specification/Item	Store	L	φ <sub>1</sub>	φ <sub>2</sub>	φ <sub>3</sub>	Applicable Insert	kg
36		3D36-112SOMT11	●	196	112	136		SOMT11T308	0.9
36.5		3D36.5-114SOMT11	○	198	114	138			0.9
37		3D37-136SOMT13	○	206	116	146		0.9	
37.5	32	3D37.5-181SOMT13	○	208	118	148	60	0.9	
38		3D38-139SOMT13	○	209	119	149		0.9	
38.5		3D38.5-121SOMT13	○	211	121	151		0.9	
39		3D39-122SOMT13	○	212	122	152		1.0	
39.5		3D39.5-124SOMT13	○	214	124	154		1.1	
40	40	3D40-125SOMT13	○	225	125	155	70	1.1	



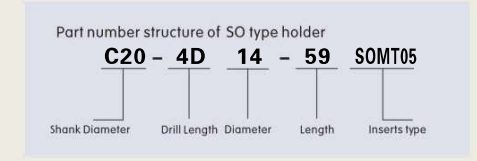
◎ Spare Parts

type	diameter	Blade model	Screw			Wrench
SO	13-16	SO05	M2	X	5	T6
	16.5-19	SO06	M2.2	X	5	T7
	19.5-22	SO07	M2.2	X	5	T7
	22.5-26	SO08	M2.5	X	6	T8
	26.5-31.5	SO09	M3.5	X	8.5	T15
	32-36.5	SO11	M3.5	X	8.5	T15
	37-43	SO13	M4	X	10	T20
	44-50	SO15	M5	X	11	T20

● Mark: Standard stock item,  
No mark: Made to order item.

ΦDc	ΦDs	Specification/Item	Store	L	φ <sub>1</sub>	φ <sub>2</sub>	φ <sub>3</sub>	Applicable Insert	kg	
13		4D13-55SOMT05	●	114	55	70		SOMT050204	0.2	
13.5		4D13.5-57SOMT05	●	116	57	72			0.2	
14		4D14-59SOMT05	●	118	59	74			0.2	
14.5	20	4D14.5-61SOMT05	●	120	61	76	44		0.2	
15	/	4D15-63SOMT05	●	122	63	78	/		0.2	
15.5	25	4D15.5-65SOMT05	●	124	65	80	56		0.2	
16		4D16-67SOMT05	●	126	67	82			0.2	
16.5		4D16.5-69SOMT06	●	128	69	84			0.2	
17		4D17-71SOMT06	●	130	71	86			0.2	
17.5		4D17.5-73SOMT06	●	144	73	88			SOMT060204	0.2
18		4D18-75SOMT06	●	146	75	90				0.3
18.5		4D18.5-77SOMT06	●	148	77	92				0.3
19		4D19-79SOMT06	●	150	79	94			0.3	
19.5		4D19.5-81SOMT07	●	152	81	96			0.3	
20		4D20-83SOMT07	●	154	83	98			0.3	
20.5		4D20.5-85SOMT07	●	156	85	100			SOMT070306	0.3
21		4D21-87SOMT07	●	158	87	102				0.3
21.5	25	4D21.5-89SOMT07	●	160	89	104	56	0.3		
22		4D22-91SOMT07	●	162	91	106		0.4		
22.5		4D22.5-93SOMT08	●	164	93	108		0.4		
23		4D23-95SOMT08	●	169	95	113		0.4		
23.5		4D23.5-97SOMT08	●	171	97	115		0.4		
24		4D24-99SOMT08	●	173	99	117		0.4		
24.5		4D24.5-101SOMT08	●	175	101	119		0.4		
25		4D25-103SOMT08	●	177	103	121		0.4		
25.5		4D25.5-105SOMT08	●	185	105	125		SOMT08T306	0.6	
26		4D26-107SOMT08	●	187	107	127			0.6	
26.5		4D26.5-109SOMT09	●	189	109	129			0.6	
27		4D27-111SOMT09	●	191	111	131			0.6	
27.5		4D27.5-113SOMT09	●	193	113	133			0.6	
28		4D28-115SOMT09	●	195	115	135			0.6	
28.5		4D28.5-117SOMT09	●	197	117	137			0.6	
29		4D29-120SOMT09	●	201	120	141			0.7	
29.5		4D29.5-122SOMT09	●	203	122	143			0.7	
30		4D30-124SOMT09	●	208	124	148			0.7	
30.5	32	4D30.5-126SOMT09	●	210	126	150	60	0.7		
31		4D31-128SOMT09	●	212	128	152		0.7		
31.5		4D31.5-130SOMT09	●	214	130	154		0.7		
32		4D32-132SOMT11	●	216	132	156		0.8		
32.5		4D32.5-134SOMT11	●	218	134	158		0.8		
33		4D33-136SOMT11	●	220	136	160		0.8		
33.5		4D33.5-138SOMT11	●	222	138	162		0.8		
34		4D34-140SOMT11	●	224	140	164		0.8		
34.5		4D34.5-142SOMT11	●	226	142	166		0.8		
35		4D35-144SOMT11	●	228	144	168		0.8		
35.5		4D35.5-146SOMT11	●	230	146	170		0.8		

ΦDc	ΦDs	Specification/Item	Store	L	φ <sub>1</sub>	φ <sub>2</sub>	φ <sub>3</sub>	Applicable Insert	kg
36		4D36-148SOMT11	●	232	148	172		SOMT11T308	0.9
36.5		4D36.5-150SOMT11	○	236	150	174			0.9
37		4D37-153SOMT13	○	243	153	183		0.9	
37.5	32	4D37.5-155SOMT13	○	245	155	185	60	0.9	
38		4D38-157SOMT13	○	247	157	187		0.9	
38.5		4D38.5-159SOMT13	○	249	159	189		0.9	
39		4D39-161SOMT13	○	251	161	191		1.0	
39.5		4D39.5-163SOMT13	○	253	163	193		1.1	
40	40	4D40-165SOMT13	○	265	165	195	70	1.1	



◎ Spare Parts

type	diameter	Blade model	Screw			Wrench
SO	13-16	SO05	M2	X	5	T6
	16.5-19	SO06	M2.2	X	5	T7
	19.5-22	SO07	M2.2	X	5	T7
	22.5-26	SO08	M2.5	X	6	T8
	26.5-31.5	SO09	M3.5	X	8.5	T15
	32-36.5	SO11	M3.5	X	8.5	T15
	37-43	SO13	M4	X	10	T20
	44-50	SO15	M5	X	11	T20

● Mark: Standard stock item,  
No mark: Made to order item.

Range of machining tolerance:

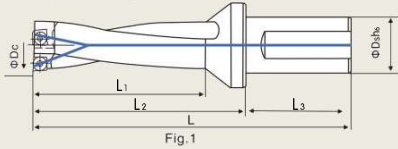


Fig.1



Range of machining tolerance: -0.05 ~ +0.15

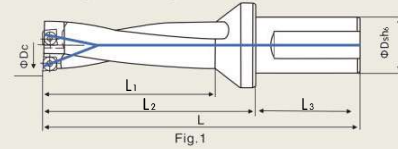


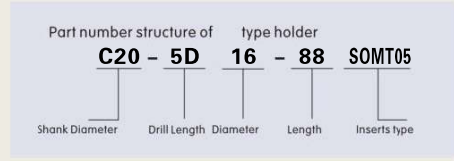
Fig.1



▲ H13/SKD61

ΦDc	ΦDs	Specification/Item	Store	L	φ1	φ2	φ3	Applicable Insert	kg
16	20	5D16-83SOMT05	●	142	83	96	44	SOMT050204	0.4
16.5	/	5D16.5-86SOMT06	●	145	86	101	/		0.4
17	25	5D17-88SOMT06	●	147	88	103	56		0.4
17.5		5D17.5-91SOMT06	●	162	91	106		SOMT060204	0.4
18		5D18-93SOMT06	●	164	93	108			0.5
18.5		5D18.5-96SOMT06	●	167	96	111			0.5
19		5D19-98SOMT06	●	169	98	113			0.5
19.5		5D19.5-101SOMT07	●	172	101	116			0.5
20		5D20-107SOMT07	●	174	103	118			0.5
20.5		5D20.5-107SOMT07	●	177	106	121		SOMT070306	0.5
21		5D21-108SOMT07	●	179	108	123			0.5
21.5	25	5D21.5-111SOMT07	●	182	111	126	56		0.5
22		5D22-113SOMT07	●	184	113	128			0.5
22.5		5D22.5-116SOMT08	●	187	116	131			0.5
23		5D23-118SOMT08	●	192	118	136			0.6
23.5		5D23.5-121SOMT08	●	195	121	139			0.6
24		5D24-123SOMT08	●	197	123	141		SOMT08T306	0.6
24.5		5D24.5-126SOMT08	●	200	126	144			0.8
25		5D25-128SOMT08	●	202	128	146			0.8
25.5		5D25.5-131SOMT08	●	213	131	153			0.8
26		5D26-133SOMT08	●	216	133	156			0.8
26.5		5D26.5-136SOMT09	●	217	136	159			0.8
27		5D27-138SOMT09	●	218	138	160			0.8
27.5		5D27.5-141SOMT09	●	221	141	161			0.8
28		5D28-143SOMT09	●	223	143	163			0.9
28.5		5D28.5-146SOMT09	●	226	146	166			0.9
29		5D29-149SOMT09	●	230	149	170		SOMT09T308	0.9
29.5		5D29.5-151SOMT05	●	233	151	173			0.9
30		5D30-154SOMT09	●	238	154	178			1.0
30.5		5D30.5-157SOMT09	●	241	157	181			1.0
31		5D31-159SOMT09	●	243	159	183			1.0
31.5		5D31.5-162SOMT09	●	245	162	185			1.0
32	32	5D32-164SOMT11	●	248	164	188	60		1.1
32.5		5D32.5-167SOMT11	●	251	167	191			1.1
33		5D33-169SOMT11	●	253	169	193			1.1
33.5		5D33.5-172SOMT11	●	255	172	195			1.1
34		5D34-174SOMT11	●	258	174	198			1.2
34.5		5D34.5-177SOMT11	●	261	177	201			1.2
35		5D35-179SOMT11	●	263	179	203			1.2
35.5		5D35.5-182SOMT11	●	265	182	205			1.2
36		5D36-184SOMT11	○	268	184	208			1.3
36.5		5D36.5-187SOMT11	○	271	187	211			1.3
37		5D37-190SOMT13	○	280	190	220			1.3
37.5		5D37.5-193SOMT13	○	283	193	223			1.3
38		5D38-195SOMT13	○	285	195	225		SOMT130408	1.4
38.5		5D38.5-198SOMT13	○	288	198	228			1.4

ΦDc	ΦDs	Specification/Item	Store	L	φ1	φ2	φ3	Applicable Insert	kg
39	32	5D39-200SOMT13	○	290	200	230	60		1.9
39.5		5D39.5-203SOMT13	○	293	203	233		SOMT130408	1.9
40	40	5D40-205SOMT13	○	305	205	235	70		1.9



◎ Spare Parts

type	diameter	Blade model	Screw			Wrench
SO	13-16	SO05	M2	X	5	T6
	16.5-19	SO06	M2.2	X	5	T7
	19.5-22	SO07	M2.2	X	5	T7
	22.5-26	SO08	M2.5	X	6	T8
	26.5-31.5	SO09	M3.5	X	8.5	T15
	32-36.5	SO11	M3.5	X	8.5	T15
	37-43	SO13	M4	X	10	T20
	44-50	SO15	M5	X	11	T20

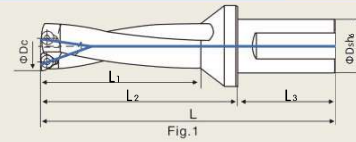
● Mark: Standard stock item,  
 No mark: Made to order item.



ΦDc	ΦDs	Specification/Item	ΦDc	ΦDs	Specification/Item	ΦDc	ΦDs	Specification/Item	ΦDc	ΦDs	Specification/Item
8.8		KSD088-2D-S20-SP03	13.3		C20-3D13.3-42SP05	30.2		C32-3D30.2-94SP09	38.7		C32-3D38.7-121SP11
9		KSD090-2D-S20-SP03	14.8		C20-3D14.8-48SP05	30.3		C32-3D30.3-94SP09	38.8		C32-3D38.8-122SP11
9.3		KSD093-2D-S20-SP03	15.8	20	C20-3D15.8-50SP05	30.7		C32-3D30.7-96SP09	39.2	32	C32-3D39.2-122SP11
9.5		KSD095-2D-S20-SP03	16.3		C20-3D16.3-54SP06	30.8		C32-3D30.8-97SP09	39.3		C32-3D39.3-124SP11
10.5		KSD105-2D-S20-SP04	16.8		C20-3D16.8-53SP06	31.2		C32-3D31.2-97SP09	39.7		C32-3D39.7-124SP11
10.8		KSD108-2D-S20-SP04	17.3		C25-3D17.3-56SP06	31.2		C32-3D31.2-96SP09	39.8		C40-3D39.8-125SP11
11		KSD110-2D-S20-SP04	19.8		C25-3D19.8-62SP06	31.3		C32-3D31.3-99SP09	40.2		C40-3D40.2-125SP11
11.5		KSD115-2D-S20-SP04	20.8		C25-3D20.8-66SP06	31.7		C32-3D31.7-100SP09	40.7		C40-3D40.7-127SP11
12.5		KSD125-2D-S20-SP04	21.7		C25-3D21.7-68SP06	31.8		C32-3D31.8-100SP09	40.8		C40-3D40.8-128SP11
13		C20-2D13-29SP05	21.8		C25-3D21.8-69SP07	32.2		C32-3D32.2-100SP09	41.2		C40-3D41.2-128SP11
14.5		C20-2D14.5-32SP05	22.7		C25-3D22.7-71SP07	32.7		C32-3D32.7-103SP09	41.3		C40-3D41.3-128SP11
15		C20-2D15-33SP05	22.8	25	C25-3D22.8-71SP07	32.8		C32-3D32.8-103SP09	41.7		C40-3D41.7-129SP11
16	20	C20-2D16-35SP06	23.2		C25-3D23.2-72SP07	33.2		C32-3D33.2-103SP09	41.8		C40-3D41.8-131SP14
16.5		C20-2D16.5-36SP06	23.3		C25-3D23.3-72SP07	33.3		C32-3D33.3-105SP09	42.2		C40-3D42.2-131SP14
17		C20-2D17-37SP06	23.8		C25-3D23.8-75SP07	33.7		C32-3D33.7-105SP09	42.8		C40-3D42.8-134SP14
18		C20-2D18-39SP06	24.3		C25-3D24.3-77SP07	33.8		C32-3D33.8-106SP11	42.7		C40-3D42.7-134SP14
18.5		C20-2D18.5-40SP06	24.8		C25-3D24.8-77SP07	34.2	32	C32-3D34.2-106SP11	43.7		C40-3D43.7-137SP14
19		C20-2D19-41SP06	23.3		C32-3D23.3-74SP07	34.3		C32-3D34.3-106SP11	43.8		C40-3D43.8-137SP14
20		C20-2D20-43SP06	26.7		C32-3D26.7-83SP07	34.8		C32-3D34.8-109SP11	44.7		C40-3D44.7-137SP14
20.5		C20-2D20.5-44SP06	26.8		C32-3D26.8-84SP07	35.2		C32-3D35.2-109SP11	44.8		C40-3D44.8-140SP14
21		C20-2D21-45SP06	27.2		C32-3D27.2-84SP07	35.3		C32-3D35.3-108SP11	45.2		C40-3D45.2-140SP14
22		C20-2D22-47SP07	27.3		C32-3D27.3-83SP07	35.7		C32-3D35.7-111SP11	46.2		C40-3D46.2-143SP14
22.5		C20-2D22.5-48SP07	27.7		C32-3D27.7-86SP07	35.8		C32-3D35.8-112SP11	48.2		C40-3D48.2-149SP14
23		C20-2D23-49SP07	27.8		C32-3D27.8-87SP09	36.2		C32-3D36.2-112SP11	49.2		C40-3D49.2-152SP14
25		C20-2D25-53SP07	27.9		C32-3D27.9-87SP09	36.3		C32-3D36.3-114SP11	50.2		C40-3D50.2-155SP14
25.5		C32-2D25.5-54SP07	28.3	32	C32-3D28.3-89SP09	36.7		C32-3D36.7-116SP11			
26		C32-2D26-55SP07	28.7		C32-3D28.7-91SP09	36.8		C32-3D36.8-116SP11			
26.5		C32-2D26.5-56SP07	28.8		C32-3D28.8-91SP09	37.2		C32-3D37.2-116SP11			
27	32	C32-2D27-57SP07	28.9		C32-3D28.9-91SP09	37.3		C32-3D37.3-118SP11			
28		C32-2D28-59SP07	29.2		C32-3D29.2-93SP09	37.7		C32-3D37.7-118SP11			
28.5		C32-2D28.5-60SP07	29.3		C32-3D29.3-93SP09	38.2		C32-3D38.2-119SP11			
29		C32-2D29-62SP09	29.8		C32-3D29.8-94SP09	38.3		C32-3D38.3-119SP11			



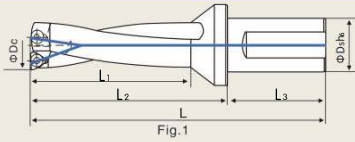
**SHOSAI**  
HIGH PERFORMANCE



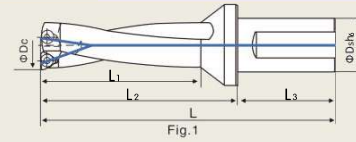
Range of machining tolerance:  $-0.25 \sim +0.25$  Drilling depth: 2x diameter



ΦDc	ΦDs	Specification/Item	Store	L	φ1	φ2	φ3	Applicable insert	kg	ΦDc	ΦDs	Specification/Item	Store	L	φ1	φ2	φ3	Applicable insert	kg	
10		2D10-22WC02	●	85.5	22	35.5		WC..020104	0.2	35.5		2D35.5-75WC06	●	159	75	99		WC..06T308	0.8	
10.5		2D10.5-23WC02	●	86.5	22	35.5			0.2	36		2D36-76WC06	●	160	76	100			0.9	
11		2D11-24WC02	●	87.5	24	36.5	44		0.2	36.5		2D36.5-77WC06	●	161	77	101			0.9	
11.5		2D11.5-24WC02	●	88	24	38			0.2	37		2D37-79WC06	●	169	79	109			0.9	
12		2D12-26WC02	●	90	25	40			0.2	37.5	32	2D37.5-80WC06	●	170	80	110	60		0.9	
12.5		2D12.5-27WC02	●	93	27	43			0.2	38		2D38-81WC06	●	171	81	111			0.9	
13		2D13-29WC02	●	88	29	44			0.2	38.5		2D38.5-82WC06	●	172	82	112			0.9	
13.5		2D13.5-30WC02	●	89	30	45			0.2	39		2D39-83WC06	●	173	83	113			1.0	
14		2D14-31WC02/03	●	90	31	46			0.2	39.5		2D39.5-84WC06	●	174	84	114			1.1	
14.5	20	2D14.5-32WC02/03	●	91	32	47	44		WC..030208	0.2	40		2D40-85WC06	●	185	85	115			1.1
15	/	2D15-33WC03	●	92	33	48	/		0.2	41		2D41-87WC06	●	187	87	117			1.1	
15.5	25	2D15.5-34WC03	●	93	34	49	56		WC..030208	0.2	42		2D42-89WC08	●	189	89	119			1.1
16		2D16-35WC03	●	94	35	50				0.2	43		2D43-91WC08	●	191	91	121			1.5
16.5		2D16.5-36WC03	●	95	36	51				0.2	44		2D44-93WC08	●	193	93	123			1.6
17		2D17-37WC03	●	96	37	52		0.2		45		2D45-95WC08	●	195	95	125		1.7		
17.5		2D17.5-38WC03	●	109	38	53		0.2		46		2D46-97WC08	●	197	97	127		1.7		
18		2D18-39WC03	●	110	39	54		0.3		47		2D47-99WC08	●	199	99	129		1.8		
18.5		2D18.5-40WC03	●	111	40	55		0.3		48		2D48-101WC08	●	201	101	131		1.8		
19		2D19-41WC03	●	112	41	56		0.3		49		2D49-103WC08	●	203	103	133		1.9		
19.5		2D19.5-42WC03	●	113	42	57		0.3		50		2D50-105WC08	●	205	105	135		1.9		
20		2D20-43WC03	●	114	43	58		0.3		51		2D51-107WC08	●	207	107	137		2.0		
20.5		2D20.5-44WC03	●	115	44	59		0.3		52		2D52-109WC08	●	209	109	139		2.0		
21		2D21-45WC04	●	116	45	60		0.3		53		2D53-111WC08	●	211	111	141		2.1		
21.5	25	2D21.5-46WC04	●	117	46	61	56	WC..040208		0.3	54		2D54-113WC08	●	213	113	143		2.2	
22		2D22-47WC04	●	118	47	62				0.4	55		2D55-115WC08	●	215	115	145		2.3	
22.5		2D22.5-48WC04	●	119	48	63			0.4	56		2D56-120WC08	●	222	120	152		2.4		
23		2D23-49WC04	●	123	49	67			0.4	57		2D57-122WC08	●	224	122	154		2.5		
23.5		2D23.5-50WC04	●	124	50	68			0.4	58		2D58-124WC08	●	226	124	156		2.6		
24		2D24-51WC04	●	125	51	69			0.4	59		2D59-126WC08	●	228	126	158		2.7		
24.5		2D24.5-52WC04	●	126	52	70			0.4	60	40	2D60-128WC08	●	230	128	160	70	2.8		
25		2D25-53WC05	●	127	53	71			0.4	61		2D61-130WC06	●	232	130	162		WC..06T308		
25.5		2D25.5-54WC05	●	134	54	74			0.6	62		2D62-132WC06	●	234	132	164				
26		2D26-55WC05	●	135	55	75			0.6	63		2D63-134WC06	●	236	134	166				
26.5		2D26.5-56WC05	●	136	56	76			0.6	64		2D64-136WC06	●	238	136	168				
27		2D27-57WC05	●	137	57	77			0.6	65		2D65-138WC06	●	240	138	170				
27.5		2D27.5-58WC05	●	138	58	78			0.6	66		2D66-140WC06	●	242	140	172				
28		2D28-59WC05	●	139	59	79			0.6	67		2D67-142WC06	●	244	142	174				
28.5		2D28.5-60WC05	●	140	60	80		0.6	68		2D68-144WC06	●	246	144	176					
29		2D29-62WC05	●	143	62	83		0.7	69		2D69-146WC06	●	248	146	178					
29.5		2D29.5-63WC05	●	144	63	84		0.7	70		2D70-148WC06	●	250	148	180					
30		2D30-64WC05	●	148	64	88		0.7	71		2D71-150WC06	●	252	150	182					
30.5	32	2D30.5-65WC05	●	149	65	89	60	WC..06T308	0.7	72		2D72-152WC06	●	254	152	184				
31		2D31-66WC06	●	150	66	90			0.7	73		2D73-154WC06	●	256	154	186				
31.5		2D31.5-67W06	●	151	67	91			0.7	74		2D74-156WC06	●	258	156	188				
32		2D32-68WC06	●	152	68	92			0.8	75		2D75-158WC06	●	260	158	190				
32.5		2D32.5-69WC06	●	153	69	93			0.8	76		2D76-160WC06	●	262	160	192				
33		2D33-70WC06	●	154	70	94			0.8	77		2D77-162WC06	●	264	162	194				
33.5		2D33.5-71WC06	●	155	71	95			0.8	78		2D78-164WC06	●	266	164	196				
34		2D34-72WC06	●	156	72	96			0.8	79		2D79-166WC06	●	268	166	198				
34.5		2D34.5-73WC06	●	157	73	97			0.8	80		2D80-168WC06	●	270	168	200				
35		2D35-74WC06	●	158	74	98			0.8											



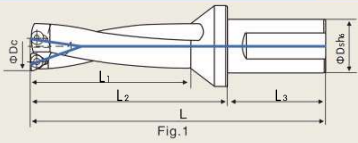
Range of machining tolerance:



Range of machining tolerance:



ΦDc	ΦDs	Specification/Item	Store	L	φ1	φ2	φ3	Applicable Insert	kg	ΦDc	ΦDs	Specification/Item	Store	L	φ1	φ2	φ3	Applicable Insert	kg	ΦDc	ΦDs	Specification/Item	Store	L	φ1	φ2	φ3	Applicable Insert	kg									
10		3D10-32WC02	● 97	32	47			WC..020104	0.2	35.5		3D35.5-111WC06	● 195	111	135			WC..06T308	1.0	11.5		4D11.5-47WC02	● 111	47	61			0.2	37		4D37-153WC06	● 243	153	183			1.2	
10.5		3D10.5-34WC02	● 97.5	34	47.5				0.2	36		3D36-112WC06	● 196	112	136				1.0	12	20		4D12-50WC02	● 115	50	65	44		0.2	37.5		4D37.5-155WC06	● 245	155	185			1.2
11		3D11-34WC02	● 98.5	34	48.5				0.2	36.5		3D36.5-114WC06	● 198	114	138				1.1	12.5			4D12.5-52WC02	● 117	52	67			0.2	38	32	4D38-157WC06	● 247	157	187			1.3
11.5		3D11.5-37WC02	● 100	37	50				0.2	37		3D37-116WC06	● 206	116	146				1.1	13			4D13-55WC02	● 114	55	70			0.2	38.5		4D38.5-159WC06	● 249	159	189			1.3
12		3D12-38WC02	● 102	38	52				0.2	37.5	32	3D37.5-118WC06	● 208	118	148				1.1	13.5			4D13.5-57WC02	● 116	57	72			0.2	39		4D39-161WC06	● 251	161	191			1.8
12.5		3D12.5-41WC02	● 105	41	55				0.2	38		3D38-119WC06	● 209	119	149				1.1	14			4D14-59WC02/03	● 118	59	74			0.2	39.5		4D39.5-163WC06	● 253	163	193			1.8
13		3D13-42WC02	● 101	42	57				0.2	38.5		3D38.5-121WC06	● 211	121	151				1.1	14.5	20		4D14.5-61WC02/03	● 120	61	76	44		0.2	40		4D40-165WC06	● 265	165	195			1.8
13.5		3D13.5-44WC02	● 103	44	59				0.2	39		3D39-122WC06	● 212	122	152				1.2	15			4D15-63WC03	● 122	63	78			0.2	41		4D41-169WC06	● 269	169	199			1.9
14		3D14-45WC02/03	● 104	45	60				0.2	39.5		3D39.5-124WC06	● 214	124	154				1.3	15.5	25		4D15.5-65WC03	● 124	65	80	56		0.2	42		4D42-173WC08	● 273	173	203			2.0
14.5	20	3D14.5-47WC02/03	● 106	47	62				0.2	40		3D40-125WC06	● 225	125	155				1.6	16			4D16-67WC03	● 126	67	82			0.2	43		4D43-177WC08	● 277	177	207			2.1
15	/	3D15-48WC03	● 107	48	63	/		0.2	41		3D41-128WC06	● 228	128	158			1.7	16.5			4D16.5-69WC03	● 128	69	84			0.3	44		4D44-181WC08	● 281	181	211			2.2		
15.5	25	3D15.5-50WC03	● 109	50	65		56	0.2	42		3D42-131WC08	● 231	131	161			1.7	17			4D17-71WC03	● 130	71	86			0.3	45		4D45-185WC08	● 285	185	215			2.3		
16		3D16-51WC03	● 110	51	66			0.2	43		3D43-134WC08	● 234	134	164			1.8	17.5			4D17.5-73WC03	● 144	73	88			0.3	46		4D46-189WC08	● 289	189	219			2.4		
16.5		3D16.5-53WC03	● 112	53	68			0.2	44		3D44-137WC08	● 237	137	167			1.8	18			4D18-75WC03	● 146	75	90			0.4	47		4D47-193WC08	● 293	193	223			2.5		
17		3D17-54WC03	● 113	54	69			0.2	45		3D45-140WC08	● 240	140	170			1.9	18.5			4D18.5-77WC03	● 148	77	92			0.4	48		4D48-197WC08	● 297	197	227			2.6		
17.5		3D17.5-56WC03	● 127	56	71			0.3	46		3D46-143WC08	● 243	143	173			2.0	19			4D19-79WC03	● 150	79	94			0.4	49		4D49-201WC08	● 301	201	231			2.7		
18		3D18-57WC03	● 128	57	72			0.3	47		3D47-146WC08	● 246	146	176			2.1	19.5			4D19.5-81WC03	● 152	81	96			0.4	50		4D50-205WC08	● 305	205	235			2.8		
18.5		3D18.5-59WC03	● 130	59	74			0.3	48		3D48-149WC08	● 249	149	179			2.2	20			4D20-83WC03	● 154	83	98			0.4	51		4D51-209WC08	● 309	209	239			2.9		
19		3D19-60WC03	● 131	60	75			0.3	49		3D49-152WC08	● 252	152	182			2.2	20.5			4D20.5-85WC03	● 156	85	100			0.4	52		4D52-213WC08	● 313	213	243			3.0		
19.5		3D19.5-62WC03	● 133	62	77			0.3	50		3D50-155WC08	● 255	155	185			2.3	21			4D21-87WC04	● 158	87	102			0.4	53		4D53-217WC08	● 317	217	247			3.1		
20		3D20-63WC03	● 134	63	78			0.4	51		3D51-158WC08	● 258	158	188			2.4	21.5	25		4D21.5-89WC04	● 160	89	104		56	0.4	54		4D54-221WC08	● 321	221	251			3.2		
20.5		3D20.5-65WC03	● 136	65	80			0.4	52		3D52-161WC08	● 261	161	191			2.5	22			4D22-91WC04	● 162	91	106			0.4	55		4D55-225WC08	● 325	225	255			3.3		
21		3D21-66WC04	● 137	66	81			0.4	53		3D53-164WC08	● 264	164	194			2.6	22.5			4D22.5-93WC04	● 164	93	108			0.4	56		4D56-232WC08	● 334	232	264			3.5		
21.5	25	3D21.5-68WC04	● 139	68	83		56	0.4	54		3D54-167WC08	● 267	167	197			2.7	23			4D23-95WC04	● 169	95	113			0.5	57		4D57-236WC08	● 338	236	268			3.7		
22		3D22-69WC04	● 140	69	84			0.4	55		3D55-170WC08	● 270	170	200			2.8	23.5			4D23.5-97WC04	● 171	97	115			0.5	58		4D58-240WC08	● 342	240	272			3.8		
22.5		3D22.5-71WC04	● 142	71	86			0.4	56		3D56-176WC08	● 278	176	208			2.8	24			4D24-99WC04	● 173	99	117			0.5	59		4D59-244WC08	● 346	244	276			4.0		
23		3D23-72WC04	● 146	72	90			0.4	57		3D57-179WC08	● 281	179	211			3.0	24.5			4D24.5-101WC04	● 175	101	119			0.7	60	40	4D60-248WC08	● 350	248	280		70	4.1		
23.5		3D23.5-74WC04	● 148	74	92			0.4	58		3D58-182WC08	● 284	182	214			3.2	25			4D25-103WC05	● 177	103	121			0.7	61		4D61-252WC06	● 354	252	284					
24		3D24-75WC04	● 149	75	93			0.4	59		3D59-185WC08	● 287	185	217			3.3	25.5			4D25.5-105WC05	● 185	105	125			0.7	62		4D62-256WC06	● 358	256	288					
24.5		3D24.5-77WC04	● 151	77	95			0.4	60	40	3D60-188WC08	● 290	188	220			3.3	26			4D26-107WC05	● 187	107	127			0.7	63		4D63-260WC06	● 362	260	292					
25		3D25-78WC05	● 152	78	96			0.4	61		3D61-191WC06	● 291	191	221				26.5			4D26.5-109WC05	● 189	109	129			0.7	64		4D64-264WC06	● 366	264	296					
25.5		3D25.5-80WC05	● 160	80	100			0.6	62		3D62-194WC06	● 296	194	226				27			4D27-111WC05	● 191	111	131			0.7	65		4D65-268WC06	● 370	268	300					
26		3D26-81WC05	● 161	81	101			0.6	63		3D63-197WC06	● 299	197	229				27.5			4D27.5-113WC05	● 193	113	133			0.7	66		4D66-272WC06	● 374	272	304					
26.5		3D26.5-83WC05	● 163	83	103			0.7	64		3D64-200WC06	● 302	200	232				28			4D28-115WC05	● 195	115	135			0.8	67		4D67-276WC06	● 378	276	308					
27		3D27-84WC05	● 164	84	104			0.7	65		3D65-203WC06	● 305	203	235				28.5			4D28.5-117WC05	● 197	117	137			0.8	68		4D68-280WC06	● 382	280	312					
27.5		3D27.5-86WC05	● 166	86	106			0.7	66		3D66-206WC06	● 308	206	238				29			4D29-120WC05	● 201	120	141			0.8	69		4D69-284WC06	● 386	284	316					



Range of machining tolerance:



$\phi D_c$	$\phi D_s$	Specification/Item	Store	L	$\phi_1$	$\phi_2$	$\phi_3$	Applicable Insert	$\frac{kg}{kg}$
13		5D13-68WC02	●	129	68	85		WC..020104	
13.5		5D13.5-71WC02	●	131	71	87			
14		5D14-73WC03	●	133	73	89		WC..06T308	
14.5	20	5D14.5-76WC03	●	135	76	91	44		
15	/	5D15-78WC03	●	137	78	93	/		
15.5	25	5D15.5-81WC03	●	140	81	95	56		
16		5D16-83WC03	●	142	83	98			0.4
16.5		5D16.5-86WC03	●	145	86	101			0.4
17		5D17-88WC03	●	147	88	103			0.4
17.5		5D17.5-91WC03	●	162	91	106			0.4
18		5D18-93WC03	●	164	93	108			0.5
18.5		5D18.5-96WC03	●	167	96	111			0.5
19		5D19-98WC03	●	169	98	113		0.5	
19.5		5D19.5-101WC03	●	172	101	116		0.5	
20		5D20-103WC03	●	174	103	118		0.5	
20.5		5D20.5-106WC03	●	177	106	121		0.5	
21		5D21-108WC04	●	179	108	123		WC..040208	
21.5	25	5D21.5-111WC04	●	182	111	126	56		
22		5D22-113WC04	●	184	113	128			
22.5		5D22.5-116WC04	●	187	116	131			
23		5D23-118WC04	●	192	118	136			
23.5		5D23.5-121WC04	●	195	121	139			
24		5D24-123WC04	●	197	123	141			
24.5		5D24.5-126WC04	●	200	126	144			
25		5D25-128WC05	●	202	128	146			
25.5		5D25.5-131WC05	●	213	131	153			WC..050308
26		5D26-133WC05	●	216	133	156			
26.5		5D26.5-136WC05	●	217	136	157			
27		5D27-138WC05	●	218	138	158			
27.5		5D27.5-141WC05	●	221	141	161			
28		5D28-143WC05	●	223	143	163			
28.5		5D28.5-146WC05	●	226	146	166			
29		5D29-149WC05	●	230	149	170			
29.5		5D29.5-151WC05	●	233	151	173			
30		5D30-154WC05	●	238	154	178		1.0	
30.5		5D30.5-157WC05	●	241	157	181		1.0	
31		5D31-159WC06	●	243	159	183		1.0	
31.5		5D31.5-162W06	●	245	162	185		1.0	
32	32	5D32-164WC06	●	248	164	188	60	1.0	
32.5		5D32.5-167WC06	●	251	167	191		1.1	
33		5D33-169WC06	●	253	169	193		1.1	
33.5		5D33.5-172WC06	●	255	172	195		1.1	
34		5D34-174WC06	●	258	174	198		1.2	
34.5		5D34.5-177WC06	●	261	177	201		1.2	
35		5D35-179WC06	●	263	179	203		1.2	
35.5		5D35.5-182WC06	●	265	182	205		1.2	
36		5D36-184WC06	●	268	184	208		1.3	
36.5		5D36.5-187WC06	●	271	187	211		1.3	
37		5D37-190WC06	●	280	190	220		1.3	
37.5		5D37.5-193WC06	●	283	193	223		1.3	
38		5D38-195WC06	●	285	195	225		1.4	

$\phi D_c$	$\phi D_s$	Specification/Item	Store	L	$\phi_1$	$\phi_2$	$\phi_3$	Applicable Insert	$\frac{kg}{kg}$
38.5		5D38.5-198WC06	●	288	198	228		WC..06T308	1.4
39	32	5D39-200WC06	●	290	200	230	60		
39.5		5D39.5-203WC06	●	293	203	233			1.9
40		5D40-205WC06	●	305	205	235		WC..080412	1.9
41		5D41-210WC06	○	310	210	240			2.0
42		5D42-215WC08	○	315	215	245			2.1
43		5D43-220WC08	○	320	220	250			2.2
44		5D44-225WC08	○	325	225	255			2.3
45		5D45-230WC08	○	330	230	260			2.4
46		5D46-235WC08	○	335	235	265			2.5
47		5D47-240WC08	○	340	240	270			2.6
48		5D48-245WC08	○	345	245	275			2.7
49		5D49-250WC08	○	350	250	280			2.8
50		5D50-255WC08	○	355	255	285		2.9	
51		5D51-260WC08	○	360	260	290		3.0	
52		5D52-265WC08	○	365	265	295		3.1	
53		5D53-270WC08	○	370	270	300		3.2	
54		5D54-275WC08	○	375	275	305		3.3	
55	40	5D55-280WC08	○	380	280	310	70	3.4	
56		5D56-285WC08	○	385	285	315		3.6	
57		5D57-295WC08	○	390	295	320		3.8	
58		5D58-300WC08	○	395	300	325		3.9	
59		5D59-305WC08	○	400	305	330		4.1	
60		5D60-310WC08	○	405	310	335		4.2	
61		5D61-315WC08	○	410	315	340		4.3	
62		5D62-320WC08	○	415	320	345		4.4	
63		5D63-325WC08	○	420	325	350		4.5	
64		5D64-330WC08	○	425	330	355		4.6	
65		5D65-335WC08	○	430	335	360		4.7	
66		5D66-340WC08	○	435	340	365		4.8	
67		5D67-345WC08	○	440	345	370		4.9	
68		5D68-350WC08	○	445	350	375		5.0	
69		5D69-355WC08	○	450	355	380		5.1	
70		5D70-360WC08	○	455	360	385		5.2	

Spare Parts					
type	diameter	Blade model	Screw		Wrench
WC	13-14.5	WC02	M1.8	X 5	T6
	14-14.5	WC03	M2.5	X 5.5	T8
	15-20.5	WC03	M2.5	X 6	T8
	21-24.5	WC04	M2.5	X 6	T8
	25-30.5	WC05	M3	X 7	T8
	31-41.5	WC06	M3.5	X 8.5	T15
	42-62	WC08	M4	X 10	T15
	63-80	WC06	M3.5	X 8.5	T8

● Mark: Standard stock item,  
 No mark: Made to order item.



Range of machining tolerance:

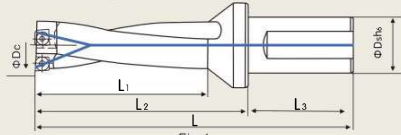


Fig.1



Range of machining tolerance:

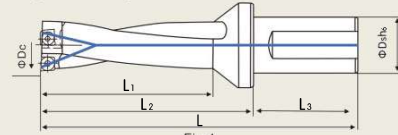


Fig.1



ΦDc	ΦDs	Specification/Item	Store	L	ℓ <sub>1</sub>	ℓ <sub>2</sub>	ℓ <sub>3</sub>	Applicable Insert	kg
8.5		KSD085-2D-S20-SP03	●	83.5	18	33.5		SP..030202	0.2
9		KSD090-2D-S20-SP03	●	84.5	19	34.5			0.2
9.5		KSD095-2D-S20-SP03	●	85.5	20	35.5		SP..04T102	0.2
10		KSD100-2D-S20-SP04	●	85.5	22	35.5			0.2
10.5	20	KSD105-2D-S20-SP04	●	86.5	22	36.5	44	SP..04T102	0.2
11		KSD110-2D-S20-SP04	●	87.5	23	37.5			0.2
11.5		KSD115-2D-S20-SP04	●	88	24	38		SP..110408	0.2
12		KSD120-2D-S20-SP04	●	90	25	40			0.2
12.5		KSD125-2D-S20-SP04	●	93	27	43		SP..050204	0.2
13		KSD130-2D-S20-SP05	●	88	29	44			0.2
13.5		KSD135-2D-S20-SP05	●	89	30	45		SP..110408	0.2
14		KSD140-2D-S20-SP05	●	90	31	46			0.2
14.5	20	KSD145-2D-S20-SP05	●	91	32	47	44	SP..110408	0.2
15	/	KSD150-2D-S20-SP05	●	92	33	48	/		0.2
15.5	25	KSD155-2D-S20-SP05	●	93	34	49	56	SP..060204	0.2
16		KSD160-2D-S20-SP06	●	94	35	50			0.2
16.5		KSD165-2D-S25-SP06	●	95	36	51		SP..07T308	0.2
17		KSD170-2D-S25-SP06	●	96	37	52			0.2
17.5		KSD175-2D-S25-SP06	●	109	38	53		SP..060204	0.2
18		KSD180-2D-S25-SP06	●	110	39	54			0.3
18.5		KSD185-2D-S25-SP06	●	111	40	55		SP..07T308	0.3
19		KSD190-2D-S25-SP06	●	112	41	56			0.3
19.5		KSD195-2D-S25-SP06	●	113	42	57		SP..090408	0.3
20		KSD200-2D-S25-SP06	●	114	43	58			0.3
20.5		KSD205-2D-S25-SP06	●	115	44	59		SP..07T308	0.3
21		KSD210-2D-S25-SP06	●	116	45	60			0.3
21.5	25	KSD215-2D-S25-SP06	●	117	46	61	56	SP..07T308	0.3
22		KSD220-2D-S25-SP07	●	118	47	62			0.4
22.5		KSD225-2D-S25-SP07	●	119	48	63		SP..090408	0.4
23		KSD230-2D-S25-SP07	●	123	49	67			0.4
23.5		KSD235-2D-S25-SP07	●	124	50	68		SP..07T308	0.4
24		KSD240-2D-S25-SP07	●	125	51	69			0.4
24.5		KSD245-2D-S25-SP07	●	126	52	70		SP..090408	0.4
25		KSD250-2D-S25-SP07	●	127	53	71			0.4
25.5		KSD255-2D-S32-SP07	●	134	54	74		SP..07T308	0.6
26		KSD260-2D-S32-SP07	●	135	55	75			0.6
26.5		KSD265-2D-S32-SP07	●	136	56	76		SP..090408	0.6
27		KSD270-2D-S32-SP07	●	137	57	77			0.6
27.5		KSD275-2D-S32-SP07	●	138	58	78		SP..07T308	0.6
28	32	KSD280-2D-S32-SP07/09	●	139	59	79	60		0.6
28.5		KSD285-2D-S32-SP07/09	●	140	60	80		SP..090408	0.6
29		KSD290-2D-S32-SP09	●	143	62	83			0.7
29.5		KSD295-2D-S32-SP09	●	144	63	84		SP..090408	0.7
30		KSD300-2D-S32-SP09	●	148	64	88			0.7
30.5		KSD305-2D-S32-SP09	●	149	65	89		SP..090408	0.7
31		KSD310-2D-S32-SP09	●	150	66	90			0.7

ΦDc	ΦDs	Specification/Item	Store	L	ℓ <sub>1</sub>	ℓ <sub>2</sub>	ℓ <sub>3</sub>	Applicable Insert	kg
31.5		KSD315-2D-S32-SP09	●	151	67	91		SP..090408	0.7
32		KSD320-2D-S32-SP09	●	152	68	92			0.8
32.5		KSD325-2D-S32-SP09	●	153	69	93		SP..110408	0.8
33		KSD330-2D-S32-SP09	●	154	70	94			0.8
33.5		KSD335-2D-S32-SP11	●	155	71	95		SP..110408	0.8
34		KSD340-2D-S32-SP09/11	●	156	72	96			0.8
34.5		KSD345-2D-S32-SP09/11	●	157	73	97		SP..110408	0.8
35		KSD350-2D-S32-SP11	●	158	74	98			0.8
35.5	32	KSD355-2D-S32-SP11	●	159	75	99	60	SP..110408	0.8
36		KSD360-2D-S32-SP11	●	160	76	100			0.9
36.5		KSD365-2D-S32-SP11	●	161	77	101		SP..110408	0.9
37		KSD370-2D-S32-SP11	●	169	79	109			0.9
37.5		KSD375-2D-S32-SP11	●	170	80	110		SP..110408	0.9
38		KSD380-2D-S32-SP11	●	171	81	111			0.9
38.5		KSD385-2D-S32-SP11	●	172	82	112		SP..110408	0.9
39		KSD390-2D-S32-SP11	●	173	83	113			1
39.5		KSD395-2D-S32-SP11	●	174	84	114		SP..110408	1.1
40	40	KSD400-2D-S40-SP11	●	185	85	115	70		1.1

○ Spare Parts

Screw	Wrench	Applicable Drill
M1.8*3.6	T6	KSD085-2D-S20-SP03-KSD095-2D-S20-SP03
M1.8*4	T6	KSD100-2D-S20-SP04-KSD125-2D-S20-SP04
M2*4	T6	KSD130-2D-S20-SP05-KSD145-2D-S20-SP05
M2*5	T7	KSD150-2D-S20-SP05-KSD155-2D-S20-SP05
M2.2*5	T7	KSD160-2D-S20-SP06-KSD215-2D-S25-SP06
M2.5*6	T8	KSD220-2D-S25-SP07-KSD285-2D-S32-SP07
M3.5*8.5	T15	KSD280-2D-S32-SP07-KSD345-2D-S32-SP09
M4*10	T20	KSD340-2D-S32-SP11-KSD400-2D-S40-SP11

● Mark: Standard stock item,  
No mark: Made to order item.

ΦDc	ΦDs	Specification/Item	Store	L	ℓ <sub>1</sub>	ℓ <sub>2</sub>	ℓ <sub>3</sub>	Applicable Insert	kg
8.5		KSD085-2D-S20-SP03	●	92.5	27	42.5		SP..030202	0.2
9		KSD090-2D-S20-SP03	●	93.5	28	43.5			0.2
9.5		KSD095-2D-S20-SP03	●	94.5	29	44.5		SP..04T102	0.2
10		KSD100-2D-S20-SP04	●	97	31	47			0.2
10.5	20	KSD105-2D-S20-SP04	●	97.5	33	47.5	44	SP..04T102	0.2
11		KSD110-2D-S20-SP04	●	98.5	34	48.5			0.2
11.5		KSD115-2D-S20-SP04	●	100	36	50		SP..110408	0.2
12		KSD120-2D-S20-SP04	●	102	37	52			0.2
12.5		KSD125-2D-S20-SP04	●	105	39	55		SP..050204	0.2
13		KSD130-2D-S20-SP05	●	101	42	57			0.2
13.5		KSD135-2D-S20-SP05	●	103	44	59		SP..110408	0.2
14		KSD140-2D-S20-SP05	●	104	45	60			0.2
14.5	20	KSD145-2D-S20-SP05	●	106	47	62	44	SP..050204	0.2
15	/	KSD150-2D-S20-SP05	●	107	48	63	/		0.2
15.5	25	KSD155-2D-S20-SP05	●	109	50	65	56	SP..060204	0.2
16		KSD160-2D-S20-SP06	●	110	51	66			0.2
16.5		KSD165-2D-S25-SP06	●	112	53	68		SP..07T308	0.2
17		KSD170-2D-S25-SP06	●	113	54	69			0.2
17.5		KSD175-2D-S25-SP06	●	127	56	71		SP..060204	0.2
18		KSD180-2D-S25-SP06	●	128	57	72			0.3
18.5		KSD185-2D-S25-SP06	●	130	59	74		SP..07T308	0.3
19		KSD190-2D-S25-SP06	●	131	60	75			0.3
19.5		KSD195-2D-S25-SP06	●	133	62	77		SP..090408	0.3
20		KSD200-2D-S25-SP06	●	134	63	78			0.3
20.5		KSD205-2D-S25-SP06	●	136	65	80		SP..07T308	0.3
21		KSD210-2D-S25-SP06	●	137	66	81			0.3
21.5	25	KSD215-2D-S25-SP06	●	139	68	83	56	SP..07T308	0.3
22		KSD220-2D-S25-SP07	●	140	69	84			0.4
22.5		KSD225-2D-S25-SP07	●	142	71	86		SP..090408	0.4
23		KSD230-2D-S25-SP07	●	146	72	90			0.4
23.5		KSD235-2D-S25-SP07	●	148	74	92		SP..07T308	0.4
24		KSD240-2D-S25-SP07	●	149	75	93			0.4
24.5		KSD245-2D-S25-SP07	●	151	77	95		SP..090408	0.4
25		KSD250-2D-S25-SP07	●	152	78	96			0.4
25.5		KSD255-2D-S32-SP07	●	160	80	100		SP..07T308	0.6
26		KSD260-2D-S32-SP07	●	161	81	101			0.6
26.5		KSD265-2D-S32-SP07	●	163	83	103		SP..090408	0.6
27		KSD270-2D-S32-SP07	●	164	84	104			0.6
27.5		KSD275-2D-S32-SP07	●	166	86	106		SP..07T308	0.6
28	32	KSD280-2D-S32-SP07/09	●	167	87	107	60		0.6
28.5		KSD285-2D-S32-SP07/09	●	169	89	109		SP..090408	0.6
29		KSD290-2D-S32-SP09	●	172	91	112			0.7
29.5		KSD295-2D-S32-SP09	●	174	93	114		SP..090408	0.7
30		KSD300-2D-S32-SP09	●	178	94	118			0.7
30.5		KSD305-2D-S32-SP09	●	180	96	120		SP..090408	0.7
31		KSD310-2D-S32-SP09	●	181	97	121			0.7

○ Spare Parts

Screw	Wrench	Applicable Drill
M1.8*3.6	T6	KSD085-2D-S20-SP03-KSD095-2D-S20-SP03
M1.8*4	T6	KSD100-2D-S20-SP04-KSD125-2D-S20-SP04
M2*4	T6	KSD130-2D-S20-SP05-KSD145-2D-S20-SP05
M2*5	T7	KSD150-2D-S20-SP05-KSD155-2D-S20-SP05
M2.2*5	T7	KSD160-2D-S20-SP06-KSD215-2D-S25-SP06
M2.5*6	T8	KSD220-2D-S25-SP07-KSD285-2D-S32-SP07
M3.5*8.5	T15	KSD280-2D-S32-SP07-KSD345-2D-S32-SP09
M4*10	T20	KSD340-2D-S32-SP11-KSD400-2D-S40-SP11

● Mark: Standard stock item,  
No mark: Made to order item.

Range of machining tolerance:

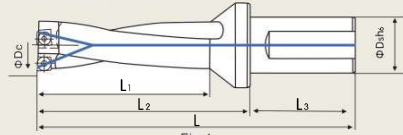


Fig.1



Range of machining tolerance:

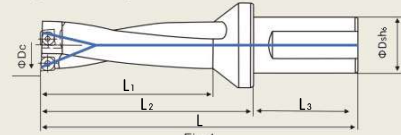


Fig.1



ΦDc	ΦDs	Specification/Item	Store	L	ℓ <sub>1</sub>	ℓ <sub>2</sub>	ℓ <sub>3</sub>	Applicable Insert	kg
11.5		KSD115-4D-S20-SP04	●	111	47	61		SP..04T102	0.2
12	20	KSD120-4D-S20-SP04	●	115	50	65	44		0.2
12.5		KSD125-4D-S20-SP04	●	117	52	67		SP..050204	0.2
13		KSD130-4D-S20-SP05	●	114	55	70			0.2
13.5		KSD135-4D-S20-SP05	●	116	57	72		SP..050204	0.2
14		KSD140-4D-S20-SP05	●	118	59	74			0.2
14.5	20	KSD145-4D-S20-SP05	●	120	61	76	44	SP..050204	0.2
15	/	KSD150-4D-S20-SP05	●	122	63	78	/		0.2
15.5	25	KSD155-4D-S20-SP05	●	124	65	80	56	SP..060204	0.2
16		KSD160-4D-S20-SP06	●	126	67	82			0.2
16.5		KSD165-4D-S25-SP06	●	128	69	84		SP..060204	0.2
17		KSD170-4D-S25-SP06	●	130	71	86			0.2
17.5		KSD175-4D-S25-SP06	●	144	73	88		SP..060204	0.2
18		KSD180-4D-S25-SP06	●	146	75	90			0.3
18.5		KSD185-4D-S25-SP06	●	148	77	92		SP..060204	0.3
19		KSD190-4D-S25-SP06	●	150	79	94			0.3
19.5		KSD195-4D-S25-SP06	●	152	81	96		SP..060204	0.3
20		KSD200-4D-S25-SP06	●	154	83	98			0.3
20.5		KSD205-4D-S25-SP06	●	156	85	100		SP..060204	0.3
21		KSD210-4D-S25-SP06	●	158	87	102			0.3
21.5	25	KSD215-4D-S25-SP06	●	160	89	104	56	SP..07T308	0.3
22		KSD220-4D-S25-SP07	●	162	91	106			0.4
22.5		KSD225-4D-S25-SP07	●	164	93	108		SP..07T308	0.4
23		KSD230-4D-S25-SP07	●	169	95	113			0.4
23.5		KSD235-4D-S25-SP07	●	171	97	115		SP..07T308	0.4
24		KSD240-4D-S25-SP07	●	173	99	117			0.4
24.5		KSD245-4D-S25-SP07	●	175	101	119		SP..07T308	0.4
25		KSD250-4D-S25-SP07	●	177	103	121			0.4
25.5		KSD255-4D-S32-SP07	●	185	105	125		SP..07T308	0.6
26		KSD260-4D-S32-SP07	●	187	107	127			0.6
26.5		KSD265-4D-S32-SP07	●	189	109	129		SP..07T308	0.6
27		KSD270-4D-S32-SP07	●	191	111	131			0.6
27.5		KSD275-4D-S32-SP07	●	193	113	133		SP..07T308	0.6
28		KSD280-4D-S32-SP07/09	●	195	115	135			0.6
28.5		KSD285-4D-S32-SP07/09	●	197	117	137		SP..090408	0.6
29		KSD290-4D-S32-SP09	●	201	120	141			0.7
29.5		KSD295-4D-S32-SP09	●	203	122	143		SP..090408	0.7
30	32	KSD300-4D-S32-SP09	●	208	124	148	60		0.7
30.5		KSD305-4D-S32-SP09	●	210	126	150		SP..090408	0.7
31		KSD310-4D-S32-SP09	●	212	128	152			0.7
31.5		KSD315-4D-S32-SP09	●	214	130	154		SP..090408	0.7
32		KSD320-4D-S32-SP09	●	216	132	156			0.8
32.5		KSD325-4D-S32-SP09	●	218	134	158		SP..090408	0.8
33		KSD330-4D-S32-SP09	●	220	136	160			0.8
33.5		KSD335-4D-S32-SP09	●	222	138	162		0.8	

ΦDc	ΦDs	Specification/Item	Store	L	ℓ <sub>1</sub>	ℓ <sub>2</sub>	ℓ <sub>3</sub>	Applicable Insert	kg
34		KSD340-4D-S32-SP09/11	●	224	140	164		SP..090408	0.8
34.5		KSD345-4D-S32-SP09/11	●	226	142	166			0.8
35		KSD350-4D-S32-SP11	●	228	144	168		SP..110408	0.8
35.5		KSD355-4D-S32-SP11	●	230	146	170			0.8
36		KSD360-4D-S32-SP11	●	232	148	172		SP..110408	0.9
36.5	32	KSD365-4D-S32-SP11	●	236	150	174	60		0.9
37		KSD370-4D-S32-SP11	●	243	153	183		SP..110408	0.9
37.5		KSD375-4D-S32-SP11	●	245	155	185			0.9
38		KSD380-4D-S32-SP11	●	247	157	187		SP..110408	0.9
38.5		KSD385-4D-S32-SP11	●	249	159	189			0.9
39		KSD390-4D-S32-SP11	●	251	161	191		SP..110408	1.0
39.5		KSD395-4D-S32-SP11	●	253	163	193			1.1
40	40	KSD400-4D-S40-SP11	●	265	165	195	70	1.1	

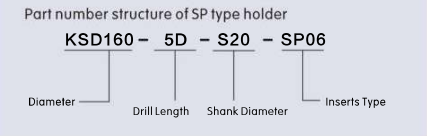
ΦDc	ΦDs	Specification/Item	Store	L	ℓ <sub>1</sub>	ℓ <sub>2</sub>	ℓ <sub>3</sub>	Applicable Insert	kg
15.5		KSD155-5D-S20-SP06	●	140	80	95		SP..04T102	0.3
16	20	KSD160-5D-S20-SP06	●	142	83	98	44		0.4
16.5	/	KSD165-5D-S25-SP06	●	145	86	101	/	SP..060204	0.4
17	25	KSD170-5D-S25-SP06	●	147	88	103	56		0.4
17.5		KSD175-5D-S25-SP06	●	162	91	106		SP..060204	0.4
18		KSD180-5D-S25-SP06	●	164	93	108			0.5
18.5		KSD185-5D-S25-SP06	●	167	96	111		SP..060204	0.5
19		KSD190-5D-S25-SP06	●	169	98	113			0.5
19.5		KSD195-5D-S25-SP06	●	172	101	116		SP..060204	0.5
20		KSD200-5D-S25-SP06	●	174	103	118			0.5
20.5		KSD205-5D-S25-SP06	●	177	106	121		SP..060204	0.5
21	25	KSD210-5D-S25-SP06	●	179	108	123	56		0.5
21.5		KSD215-5D-S25-SP06	●	182	111	126		SP..060204	0.5
22		KSD220-5D-S25-SP07	●	184	113	128			0.5
22.5		KSD225-5D-S25-SP07	●	187	116	131		SP..060204	0.5
23		KSD230-5D-S25-SP07	●	192	118	136			0.6
23.5		KSD235-5D-S25-SP07	●	195	121	139		SP..060204	0.6
24		KSD240-5D-S25-SP07	●	197	123	141			0.6
24.5		KSD245-5D-S25-SP07	●	200	126	144		SP..060204	0.8
25		KSD250-5D-S25-SP07	●	202	128	146			0.8
25.5		KSD255-5D-S32-SP07	●	213	131	153		SP..07T308	0.8
26		KSD260-5D-S32-SP07	●	216	133	156			0.8
26.5		KSD265-5D-S32-SP07	●	217	136	157		SP..07T308	0.8
27		KSD270-5D-S32-SP07	●	218	138	158			0.8
27.5		KSD275-5D-S32-SP07	●	221	141	161		SP..07T308	0.8
28		KSD280-5D-S32-SP07/09	●	223	143	163			0.9
28.5		KSD285-5D-S32-SP07/09	●	226	146	166		SP..07T308	0.9
29		KSD290-5D-S32-SP09	●	230	149	170			0.9
29.5		KSD295-5D-S32-SP09	●	233	151	173		SP..07T308	0.9
30		KSD300-5D-S32-SP09	●	238	154	178			1
30.5		KSD305-5D-S32-SP09	●	241	157	181		SP..090408	1
31		KSD310-5D-S32-SP09	●	243	159	183			1
31.5	32	KSD315-5D-S32-SP09	●	245	162	185	60	SP..090408	1
32		KSD320-5D-S32-SP09	●	248	164	188			1.1
32.5		KSD325-5D-S32-SP09	●	251	167	191		SP..090408	1.1
33		KSD330-5D-S32-SP09	●	253	169	193			1.1
33.5		KSD335-5D-S32-SP09	●	255	172	195		SP..090408	1.1
34		KSD340-5D-S32-SP09/11	●	258	174	198			1.2
34.5		KSD345-5D-S32-SP09/11	●	261	177	201		SP..090408	1.2
35		KSD350-5D-S32-SP11	●	263	179	203			1.2
35.5		KSD355-5D-S32-SP11	●	265	182	205		SP..090408	1.2
36		KSD360-5D-S32-SP11	●	268	184	208			1.3
36.5		KSD365-5D-S32-SP11	●	271	187	211		SP..110408	1.3
37		KSD370-5D-S32-SP11	●	280	190	220			1.3
37.5		KSD375-5D-S32-SP11	●	283	193	223		1.3	

ΦDc	ΦDs	Specification/Item	Store	L	ℓ <sub>1</sub>	ℓ <sub>2</sub>	ℓ <sub>3</sub>	Applicable Insert	kg
38		KSD380-5D-S32-SP11	●	285	195	225		SP..110408	1.4
38.5	32	KSD385-5D-S32-SP11	●	288	198	228	60		1.4
39		KSD390-5D-S32-SP11	●	290	200	230		SP..110408	1.9
39.5		KSD395-5D-S32-SP11	●	293	203	233			1.9
40	40	KSD400-5D-S40-SP11	●	305	205	235	70	1.9	

**Spare Parts**

Screw	Wrench	Applicable Drill
M1.8*4	T6	KSD115-4D-S20-SP04-KSD125-4D-S20-SP04
M2*4	T6	KSD130-4D-S20-SP05-KSD145-4D-S20-SP05
M2*5	T7	KSD150-4D-S20-SP05-KSD155-4D-S20-SP05
M2.2*5	T7	KSD160-4D-S20-SP06-KSD215-4D-S25-SP06
M2.5*6	T8	KSD220-4D-S25-SP07-KSD285-4D-S32-SP07
M3.5*8.5	T15	KSD280-4D-S32-SP07-KSD345-4D-S32-SP09
M4*10	T20	KSD340-4D-S32-SP11-KSD400-4D-S40-SP11

● Mark: Standard stock item,  
No mark: Made to order item.



**Spare Parts**

Screw	Wrench	Applicable Drill
M2*5	T7	KSD155-4D-S20-SP05-KSD155-4D-S20-SP05
M2.2*5	T7	KSD160-4D-S20-SP06-KSD215-4D-S25-SP06
M2.5*6	T8	KSD220-4D-S25-SP07-KSD285-4D-S32-SP07
M3.5*8.5	T15	KSD280-4D-S32-SP07-KSD345-4D-S32-SP09
M4*10	T20	KSD340-4D-S32-SP11-KSD400-4D-S40-SP11

● Mark: Standard stock item,  
No mark: Made to order item.

Range of machining tolerance:  $-0.2 \sim +0.2$  Drilling depth: 2x diameter

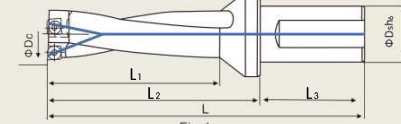


Fig.1



▲ H13/SKD61

ΦDc	ΦDs	Specification/Item	Store	L	ℓ <sub>1</sub>	ℓ <sub>2</sub>	ℓ <sub>3</sub>	Applicable Insert	kg
13		KOD130-2D-S20/S25-S005	●	88	29	44			0.2
13.5		KOD135-2D-S20/S25-S005	●	89	30	45			0.2
14		KOD140-2D-S20/S25-S005	●	90	31	46			0.2
14.5	20	KOD145-2D-S20/S25-S005	●	91	32	47	44	SOMT050204	0.2
15	/	KOD150-2D-S20/S25-S005	●	92	33	48	/		0.2
15.5	25	KOD155-2D-S20/S25-S005	●	93	34	49	56		0.2
16		KOD160-2D-S20/S25-S005	●	94	35	50			0.2
16.5		KOD165-2D-S20/S25-S006	●	95	36	51			0.2
17		KOD170-2D-S20/S25-S006	●	96	37	52			0.2
17.5		KOD175-2D-S25-S006	●	109	38	53		SOMT060204	0.2
18		KOD180-2D-S25-S006	●	110	39	54			0.3
18.5		KOD185-2D-S25-S006	●	111	40	55			0.3
19		KOD190-2D-S25-S006	●	112	41	56			0.3
19.5		KOD195-2D-S25-S007	●	113	42	57			0.3
20		KOD200-2D-S25-S007	●	114	43	58			0.3
20.5		KOD205-2D-S25-S007	●	115	44	59		SOMT070306	0.3
21		KOD210-2D-S25-S007	●	116	45	60			0.3
21.5	25	KOD215-2D-S25-S007	●	117	46	61	56		0.3
22		KOD220-2D-S25-S007	●	118	47	62			0.4
22.5		KOD225-2D-S25-S008	●	119	48	63			0.4
23		KOD230-2D-S25-S008	●	123	49	67			0.4
23.5		KOD235-2D-S25-S008	●	124	50	68			0.4
24		KOD240-2D-S25-S008	●	125	51	69		SOMT08T306	0.4
24.5		KOD245-2D-S25-S008	●	126	52	70			0.4
25		KOD250-2D-S25-S008	●	127	53	71			0.4
25.5		KOD255-2D-S32-S008	●	134	54	74			0.6
26		KOD260-2D-S32-S008	●	135	55	75			0.6
26.5		KOD265-2D-S32-S009	●	136	56	76			0.6
27		KOD270-2D-S32-S009	●	137	57	77			0.6
27.5		KOD275-2D-S32-S009	●	138	58	78			0.6
28		KOD280-2D-S32-S009	●	139	59	79			0.6
28.5		KOD285-2D-S32-S009	●	140	60	80			0.6
29		KOD290-2D-S32-S009	●	143	62	83		SOMT09T308	0.7
29.5		KOD295-2D-S32-S009	●	144	63	84			0.7
30		KOD300-2D-S32-S009	●	148	64	88			0.7
30.5	32	KOD305-2D-S32-S009	●	149	65	89	60		0.7
31		KOD310-2D-S32-S009	●	150	66	90			0.7
31.5		KOD315-2D-S32-S009	●	151	67	91			0.7
32		KOD320-2D-S32-S011	●	152	68	92			0.7
32.5		KOD325-2D-S32-S011	●	153	69	93			0.8
33		KOD330-2D-S32-S011	●	154	70	94			0.8
33.5		KOD335-2D-S32-S011	●	155	71	95		SOMT11T308	0.8
34		KOD340-2D-S32-S011	●	156	72	96			0.8
34.5		KOD345-2D-S32-S011	●	157	73	97			0.8
35		KOD350-2D-S32-S011	●	158	74	98			0.8
35.5		KOD355-2D-S32-S011	●	159	75	99			0.8

ΦDc	ΦDs	Specification/Item	Store	L	ℓ <sub>1</sub>	ℓ <sub>2</sub>	ℓ <sub>3</sub>	Applicable Insert	kg
36		KOD360-2D-S32-S011	●	160	76	100		SOMT11T308	0.9
36.5		KOD365-2D-S32-S011	○	161	77	101			0.9
37		KOD370-2D-S32-S013	○	169	79	109		SOMT130408	0.9
37.5	32	KOD375-2D-S32-S013	○	170	80	110	60		0.9
38		KOD380-2D-S32-S013	○	171	81	111			0.9
38.5		KOD385-2D-S32-S013	○	172	82	112			0.9
39		KOD390-2D-S32-S013	○	173	83	113			1.0
39.5		KOD395-2D-S32-S013	○	174	84	114			1.1
40	40	KOD400-2D-S40-S013	○	185	85	115	70		1.1

Part number structure of SO type holder

**KOD160- 2D - S20 - SOMT05**

Diameter Drill Length Shank Diameter Inserts Type

◎ Spare Parts

Screw	Wrench	Applicable Drill
M2*5	T6	KOD130-2D-S20-S005-KOD160-2D-S20-S005
M2.2*5	T7	KOD165-2D-S20-S006-KOD190-2D-S25-S006
M2.2*5	T7	KOD195-2D-S25-S007-KOD220-2D-S25-S007
M2.5*6	T7	KOD225-2D-S25-S008-KOD260-2D-S32-S008
M3.5*8.5	T7	KOD265-2D-S32-S009-KOD315-2D-S32-S009
M3.5*8.5	T8	KOD320-2D-S32-S011-KOD365-2D-S32-S011
M4*10	T15	KOD370-2D-S32-S013-KOD400-2D-S40-S013

● Mark: Standard stock item,  
No mark: Made to order item.

Range of machining tolerance:

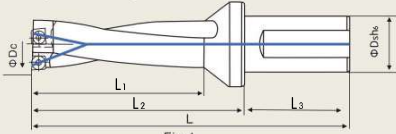


Fig.1



▲ H13/SKD61

Range of machining tolerance:

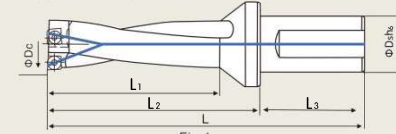


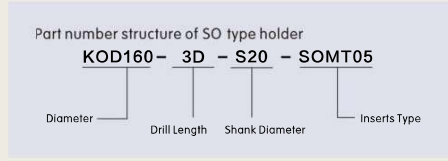
Fig.1



▲ H13/SKD61

φDc	φDs	Specification/Item	Store	L	φ1	φ2	φ3	Applicable Insert	kg	
13		KOD130-3D-S20-S005	●	101	42	57		SOMT050204	0.2	
13.5		KOD135-3D-S20-S005	●	103	44	59			0.2	
14		KOD140-3D-S20-S005	●	104	45	60			0.2	
14.5	20	KOD145-3D-S20-S005	●	106	47	62	44		0.2	
15	/	KOD150-3D-S20-S005	●	107	48	63	/		0.2	
15.5	25	KOD155-3D-S20-S005	●	109	50	65	56		0.2	
16		KOD160-3D-S20-S005	●	110	51	66			0.2	
16.5		KOD165-3D-S20-S006	●	112	53	68			0.2	
17		KOD170-3D-S20-S006	●	113	54	69			0.2	
17.5		KOD175-3D-S25-S006	●	127	56	71			SOMT060204	0.2
18		KOD180-3D-S25-S006	●	128	57	72				0.3
18.5		KOD185-3D-S25-S006	●	130	59	74				0.3
19		KOD190-3D-S25-S006	●	131	60	75			0.3	
19.5		KOD195-3D-S25-S007	●	133	62	77			0.3	
20		KOD200-3D-S25-S007	●	134	63	78			0.3	
20.5		KOD205-3D-S25-S007	●	136	65	80			SOMT070306	0.3
21		KOD210-3D-S25-S007	●	137	66	81				0.3
21.5	25	KOD215-3D-S25-S007	●	139	68	83	56	0.3		
22		KOD220-3D-S25-S007	●	140	69	84		0.4		
22.5		KOD225-3D-S25-S008	●	142	71	86		0.4		
23		KOD230-3D-S25-S008	●	146	72	90		0.4		
23.5		KOD235-3D-S25-S008	●	148	74	92		0.4		
24		KOD240-3D-S25-S008	●	149	75	93		0.4		
24.5		KOD245-3D-S25-S008	●	151	77	95		SOMT08T306	0.4	
25		KOD250-3D-S25-S008	●	152	78	96			0.4	
25.5		KOD255-3D-S32-S008	●	160	80	100			0.6	
26		KOD260-3D-S32-S008	●	161	81	101		0.6		
26.5		KOD265-3D-S32-S009	●	163	83	103		0.6		
27		KOD270-3D-S32-S009	●	164	84	104		0.6		
27.5		KOD275-3D-S32-S009	●	166	86	106		0.6		
28		KOD280-3D-S32-S009	●	167	87	107		0.6		
28.5		KOD285-3D-S32-S009	●	169	89	109		0.6		
29		KOD290-3D-S32-S009	●	172	91	112		0.7		
29.5		KOD295-3D-S32-S009	●	174	93	114		SOMT09T308	0.7	
30		KOD300-3D-S32-S009	●	178	94	118			0.7	
30.5	32	KOD305-3D-S32-S009	●	180	96	120	60		0.7	
31		KOD310-3D-S32-S009	●	181	97	121		0.7		
31.5		KOD315-3D-S32-S009	●	183	99	123		0.7		
32		KOD320-3D-S32-S011	●	184	100	124		0.8		
32.5		KOD325-3D-S32-S011	●	186	102	126		0.8		
33		KOD330-3D-S32-S011	●	187	103	127		0.8		
33.5		KOD335-3D-S32-S011	●	189	105	129		0.8		
34		KOD340-3D-S32-S011	●	190	106	130		0.8		
34.5		KOD345-3D-S32-S011	●	192	108	132		0.8		
35		KOD350-3D-S32-S011	●	193	109	133		0.8		
35.5		KOD355-3D-S32-S011	●	195	111	135		0.8		

φDc	φDs	Specification/Item	Store	L	φ1	φ2	φ3	Applicable Insert	kg
36		3D36-112SOMT11	●	196	112	136		SOMT11T308	0.9
36.5		3D36.5-114SOMT11	○	198	114	138			0.9
37		3D37-136SOMT13	○	206	116	146		0.9	
37.5	32	3D37.5-181SOMT13	○	208	118	148	60	0.9	
38		3D38-139SOMT13	○	209	119	149		0.9	
38.5		3D38.5-121SOMT13	○	211	121	151		0.9	
39		3D39-122SOMT13	○	212	122	152		1.0	
39.5		3D39.5-124SOMT13	○	214	124	154		1.1	
40	40	3D40-125SOMT13	○	225	125	155	70	1.1	

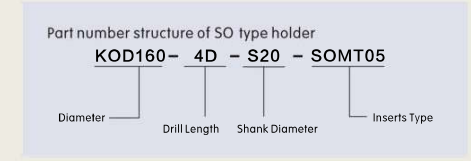


☪ Spare Parts

Screw	Wrench	Applicable Drill
M2*5	T6	KOD130-3D-S20-S005-KOD160-3D-S20-S005
M2.2*5	T7	KOD165-3D-S20-S006-KOD190-3D-S25-S006
M2.2*5	T7	KOD195-3D-S25-S007-KOD220-3D-S25-S007
M2.5*6	T7	KOD225-3D-S25-S008-KOD260-3D-S32-S008
M3.5*8.5	T7	KOD265-3D-S32-S009-KOD315-3D-S32-S009
M3.5*8.5	T8	KOD320-3D-S32-S011-KOD365-3D-S32-S011
M4*10	T15	KOD370-3D-S32-S013-KOD400-3D-S40-S013

● Mark: Standard stock item,  
No mark: Made to order item.

φDc	φDs	Specification/Item	Store	L	φ1	φ2	φ3	Applicable Insert	kg	
13		KOD130-4D-S20-S005	●	114	55	70		SOMT050204	0.2	
13.5		KOD135-4D-S20-S005	●	116	57	72			0.2	
14		KOD140-4D-S20-S005	●	118	59	74			0.2	
14.5	20	KOD145-4D-S20-S005	●	120	61	76	44		0.2	
15	/	KOD150-4D-S20-S005	●	122	63	78	/		0.2	
15.5	25	KOD155-4D-S20-S005	●	124	65	80	56		0.2	
16		KOD160-4D-S20-S005	●	126	67	82			0.2	
16.5		KOD165-4D-S20-S006	●	128	69	84			0.2	
17		KOD170-4D-S20-S006	●	130	71	86			0.2	
17.5		KOD175-4D-S25-S006	●	144	73	88			SOMT060204	0.2
18		KOD180-4D-S25-S006	●	146	75	90				0.3
18.5		KOD185-4D-S25-S006	●	148	77	92				0.3
19		KOD190-4D-S25-S006	●	150	79	94			0.3	
19.5		KOD195-4D-S25-S007	●	152	81	96			0.3	
20		KOD200-4D-S25-S007	●	154	83	98			0.3	
20.5		KOD205-4D-S25-S007	●	156	85	100			SOMT070306	0.3
21		KOD210-4D-S25-S007	●	158	87	102				0.3
21.5	25	KOD215-4D-S25-S007	●	160	89	104	56	0.3		
22		KOD220-4D-S25-S007	●	162	91	106		0.4		
22.5		KOD225-4D-S25-S008	●	164	93	108		0.4		
23		KOD230-4D-S25-S008	●	169	95	113		0.4		
23.5		KOD235-4D-S25-S008	●	171	97	115		0.4		
24		KOD240-4D-S25-S008	●	173	99	117		0.4		
24.5		KOD245-4D-S25-S008	●	175	101	119		SOMT08T306	0.4	
25		KOD250-4D-S25-S008	●	177	103	121			0.4	
25.5		KOD255-4D-S32-S008	●	185	105	125			0.6	
26		KOD260-4D-S32-S008	●	187	107	127		0.6		
26.5		KOD265-4D-S32-S009	●	189	109	129		0.6		
27		KOD270-4D-S32-S009	●	191	111	131		0.6		
27.5		KOD275-4D-S32-S009	●	193	113	133		0.6		
28		KOD280-4D-S32-S009	●	195	115	135		0.6		
28.5		KOD285-4D-S32-S009	●	197	117	137		0.6		
29		KOD290-4D-S32-S009	●	201	120	141		0.7		
29.5		KOD295-4D-S32-S009	●	203	122	143		SOMT09T308	0.7	
30		KOD300-4D-S32-S009	●	208	124	148			0.7	
30.5	32	KOD305-4D-S32-S009	●	210	126	150	60		0.7	
31		KOD310-4D-S32-S009	●	212	128	152		0.7		
31.5		KOD315-4D-S32-S009	●	214	130	154		0.7		
32		KOD320-4D-S32-S011	●	216	132	156		0.8		
32.5		KOD325-4D-S32-S011	●	218	134	158		0.8		
33		KOD330-4D-S32-S011	●	220	136	160		0.8		
33.5		KOD335-4D-S32-S011	●	222	138	162		0.8		
34		KOD340-4D-S32-S011	●	224	140	164		0.8		
34.5		KOD345-4D-S32-S011	●	226	142	166		0.8		
35		KOD350-4D-S32-S011	●	228	144	168		0.8		
35.5		KOD355-4D-S32-S011	●	230	146	170		0.8		



☪ Spare Parts

Screw	Wrench	Applicable Drill
M2*5	T6	KOD130-4D-S20-S005-KOD160-4D-S20-S005
M2.2*5	T7	KOD165-4D-S20-S006-KOD190-4D-S25-S006
M2.2*5	T7	KOD195-4D-S25-S007-KOD220-4D-S25-S007
M2.5*6	T7	KOD225-4D-S25-S008-KOD260-4D-S32-S008
M3.5*8.5	T7	KOD265-4D-S32-S009-KOD315-4D-S32-S009
M3.5*8.5	T8	KOD320-4D-S32-S011-KOD365-4D-S32-S011
M4*10	T15	KOD370-4D-S32-S013-KOD400-4D-S40-S013

● Mark: Standard stock item,  
No mark: Made to order item.

Range of machining tolerance:

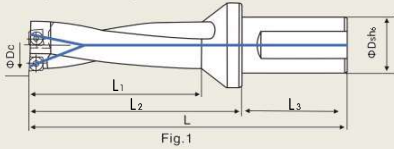


Fig.1



▲ H13/SKD61

ΦDc	ΦDs	Specification/Item	Store	L	ℓ <sub>1</sub>	ℓ <sub>2</sub>	ℓ <sub>3</sub>	Applicable Insert	kg
16	20	KOD180-5D-S20-25-SO05	●	142	83	96	44	SOMT050204	0.4
16.5	/	KOD185-5D-S20-25-SO06	●	145	86	101	/		0.4
17	25	KOD170-5D-S20-25-SO06	●	147	88	103	56		0.4
17.5	/	KOD175-5D-S25-SO06	●	162	91	106	/	SOMT060204	0.4
18	/	KOD180-5D-S25-SO06	●	164	93	108	/		0.5
18.5	/	KOD185-5D-S25-SO06	●	167	96	111	/		0.5
19	/	KOD190-5D-S25-SO06	●	169	98	113	/		0.5
19.5	/	KOD195-5D-S25-SO07	●	172	101	116	/		0.5
20	/	KOD200-5D-S25-SO07	●	174	103	118	/		0.5
20.5	/	KOD205-5D-S25-SO07	●	177	106	121	/	SOMT070306	0.5
21	/	KOD210-5D-S25-SO07	●	179	108	123	/		0.5
21.5	25	KOD215-5D-S25-SO07	●	182	111	126	56		0.5
22	/	KOD220-5D-S25-SO07	●	184	113	128	/		0.5
22.5	/	KOD225-5D-S25-SO08	●	187	116	131	/		0.5
23	/	KOD230-5D-S25-SO08	●	192	118	136	/		0.6
23.5	/	KOD235-5D-S25-SO08	●	195	121	139	/		0.6
24	/	KOD240-5D-S25-SO08	●	197	123	141	/	SOMT08T306	0.6
24.5	/	KOD245-5D-S25-SO08	●	200	126	144	/		0.8
25	/	KOD250-5D-S25-SO08	●	202	128	146	/		0.8
25.5	/	KOD255-5D-S32-SO08	●	213	131	153	/		0.8
26	/	KOD260-5D-S32-SO08	●	216	133	156	/		0.8
26.5	/	KOD265-5D-S32-SO09	●	217	136	157	/		0.8
27	/	KOD270-5D-S32-SO09	●	218	138	158	/		0.8
27.5	/	KOD275-5D-S32-SO09	●	221	141	161	/		0.8
28	/	KOD280-5D-S32-SO09	●	223	143	163	/		0.9
28.5	/	KOD285-5D-S32-SO09	●	226	146	166	/	SOMT09T308	0.9
29	/	KOD290-5D-S32-SO09	●	230	149	170	/		0.9
29.5	/	KOD295-5D-S32-SO09	●	233	151	173	/		0.9
30	/	KOD300-5D-S32-SO09	●	238	154	178	/		1.0
30.5	/	KOD305-5D-S32-SO09	●	241	157	181	/		1.0
31	/	KOD310-5D-S32-SO09	●	243	159	183	/		1.0
31.5	/	KOD315-5D-S32-SO09	●	245	162	185	/		1.0
32	32	KOD320-5D-S32-SO11	●	248	164	188	60		1.1
32.5	/	KOD325-5D-S32-SO11	●	251	167	191	/		1.1
33	/	KOD330-5D-S32-SO11	●	253	169	193	/		1.1
33.5	/	KOD335-5D-S32-SO11	●	255	172	195	/		1.1
34	/	KOD340-5D-S32-SO11	●	258	174	198	/	SOMT11T308	1.2
34.5	/	KOD345-5D-S32-SO11	●	261	177	201	/		1.2
35	/	KOD350-5D-S32-SO11	●	263	179	203	/		1.2
35.5	/	KOD355-5D-S32-SO11	●	265	182	205	/		1.2
36	/	KOD360-5D-S32-SO11	○	268	184	208	/		1.3
36.5	/	KOD365-5D-S32-SO11	○	271	187	211	/		1.3
37	/	KOD370-5D-S32-SO13	○	280	190	220	/		1.3
37.5	/	KOD375-5D-S32-SO13	○	283	193	223	/	SOMT130408	1.3
38	/	KOD380-5D-S32-SO13	○	285	195	225	/		1.4
38.5	/	KOD385-5D-S32-SO13	○	288	198	228	/		1.4

ΦDc	ΦDs	Specification/Item	Store	L	ℓ <sub>1</sub>	ℓ <sub>2</sub>	ℓ <sub>3</sub>	Applicable Insert	kg
39	32	KOD390-5D-S32-SO13	○	290	200	230	60	SOMT130408	1.9
39.5	/	KOD395-5D-S32-SO13	○	293	203	233	/		1.9
40	40	KOD400-5D-S40-SO13	○	305	205	235	70		1.9

Part number structure of SO type holder  
**KOD160-5D-S20-SOMT05**



◎ Spare Parts

Screw	Wrench	Applicable Drill
M2*5	T6	KOD160-5D-S20-SO05
M2.2*5	T7	KOD165-5D-S20-SO06-KOD190-5D-S25-SO06
M2.2*5	T7	KOD195-5D-S25-SO07-KOD220-5D-S25-SO07
M2.5*6	T7	KOD225-5D-S25-SO08-KOD260-5D-S32-SO08
M3.5*8.5	T7	KOD265-5D-S32-SO09-KOD315-5D-S32-SO09
M3.5*8.5	T8	KOD320-5D-S32-SO11-KOD365-5D-S32-SO11
M4*10	T15	KOD370-5D-S32-SO13-KOD400-5D-S40-SO13

● Mark: Standard stock item,  
 No mark: Made to order item.

Range of machining tolerance:

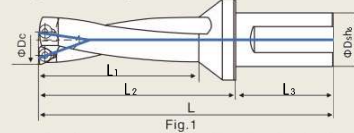


Fig.1



▲ H13/SKD61

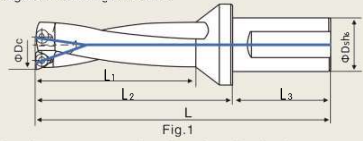
ΦDc	ΦDs	Specification/Item	Store	L	ℓ <sub>1</sub>	ℓ <sub>2</sub>	ℓ <sub>3</sub>	Applicable Insert	kg
13	/	KCD190-2D-S20-S25-WC02	●	88	29	44	/	WC..020104	0.2
13.5	/	KCD195-2D-S20-S25-WC02	●	89	30	45	/		0.2
14	/	KCD140-2D-S20-S25-WC03	●	90	31	46	/	WC..030208	0.2
14.5	20	KCD145-2D-S20-S25-WC03	●	91	32	47	44		0.2
15	/	KCD150-2D-S20-S25-WC03	●	92	33	48	/		0.2
15.5	25	KCD155-2D-S20-S25-WC03	●	93	34	49	56		0.2
16	/	KCD160-2D-S20-S25-WC03	●	94	35	50	/		0.2
16.5	/	KCD165-2D-S20-S25-WC03	●	95	36	51	/		0.2
17	/	KCD170-2D-S20-S25-WC03	●	96	37	52	/		0.2
17.5	/	KCD175-2D-S25-WC03	●	109	38	53	/	WC..030208	0.2
18	/	KCD180-2D-S25-WC03	●	110	39	54	/		0.3
18.5	/	KCD185-2D-S25-WC03	●	111	40	55	/		0.3
19	/	KCD190-2D-S25-WC03	●	112	41	56	/		0.3
19.5	/	KCD195-2D-S25-WC03	●	113	42	57	/		0.3
20	/	KCD200-2D-S25-WC03	●	114	43	58	/		0.3
20.5	/	KCD205-2D-S25-WC03	●	115	44	59	/		0.3
21	25	KCD210-2D-S25-WC04	●	116	45	60	56		0.3
21.5	/	KCD215-2D-S25-WC04	●	117	46	61	/		0.3
22	/	KCD220-2D-S25-WC04	●	118	47	62	/		0.4
22.5	/	KCD225-2D-S25-WC04	●	119	48	63	/	WC..040208	0.4
23	/	KCD230-2D-S25-WC04	●	123	49	67	/		0.4
23.5	/	KCD235-2D-S25-WC04	●	124	50	68	/		0.4
24	/	KCD240-2D-S25-WC04	●	125	51	69	/		0.4
24.5	/	KCD245-2D-S25-WC04	●	126	52	70	/		0.4
25	/	KCD250-2D-S25-WC05	●	127	53	71	/		0.4
25.5	/	KCD255-2D-S32-WC05	●	134	54	74	/		0.6
26	/	KCD260-2D-S32-WC05	●	135	55	75	/		0.6
26.5	/	KCD265-2D-S32-WC05	●	136	56	76	/		0.6
27	/	KCD270-2D-S32-WC05	●	137	57	77	/	WC..050308	0.6
27.5	/	KCD275-2D-S32-WC05	●	138	58	78	/		0.6
28	/	KCD280-2D-S32-WC05	●	139	59	79	/		0.6
28.5	/	KCD285-2D-S32-WC05	●	140	60	80	/		0.6
29	/	KCD290-2D-S32-WC05	●	143	62	83	/		0.7
29.5	/	KCD295-2D-S32-WC05	●	144	63	84	/		0.7
30	/	KCD300-2D-S32-WC05	●	148	64	88	/		0.7
30.5	/	KCD305-2D-S32-WC05	●	149	65	89	/		0.7
31	32	KCD310-2D-S32-WC06	●	150	66	90	60		0.7
31.5	/	KCD315-2D-S32-WC06	●	151	67	91	/		0.7
32	/	KCD320-2D-S32-WC06	●	152	68	92	/		0.8
32.5	/	KCD325-2D-S32-WC06	●	153	69	93	/		0.8
33	/	KCD330-2D-S32-WC06	●	154	70	94	/		0.8
33.5	/	KCD335-2D-S32-WC06	●	155	71	95	/	WC..06T308	0.8
34	/	KCD340-2D-S32-WC06	●	156	72	96	/		0.8
34.5	/	KCD345-2D-S32-WC06	●	157	73	97	/		0.8
35	/	KCD350-2D-S32-WC06	●	158	74	98	/		0.8
35.5	/	KCD355-2D-S32-WC06	●	159	75	99	/		0.8
36	/	KCD360-2D-S32-WC06	●	160	76	100	/		0.9
36.5	/	KCD365-2D-S32-WC06	●	161	77	101	/		0.9

ΦDc	ΦDs	Specification/Item	Store	L	ℓ <sub>1</sub>	ℓ <sub>2</sub>	ℓ <sub>3</sub>	Applicable Insert	kg
37	/	KCD370-3D-S32-WC06	●	206	116	146	/		1.1
37.5	/	KCD375-3D-S32-WC06	●	208	118	148	/		1.1
38	32	KCD380-3D-S32-WC06	●	209	119	149	60	WC..06T308	1.1
38.5	/	KCD385-3D-S32-WC06	●	211	121	151	/		1.1
39	/	KCD390-3D-S32-WC06	●	212	122	152	/		1.2
39.5	/	KCD395-3D-S32-WC06	●	214	124	154	/		1.3
40	40	KCD400-3D-S40-WC06	○	225	125	155	70		1.6

◎ Spare Parts

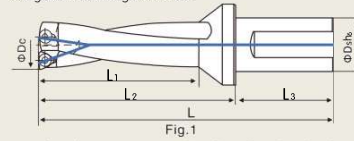
Screw	Wrench	Applicable Drill
M1.8*5	T6	KCD130-3D-S20-WC02-KCD145-3D-S25-WC02
M2.5*5.5	T8	KCD140-3D-S20-WC03-KCD145-3D-S25-WC03
M2.5*6	T8	KCD150-3D-S20-WC03-KCD205-3D-S25-WC03
M2.5*6	T8	K

Range of machining tolerance:



▲ H13/SKD61

Range of machining tolerance:



▲ H13/SKD61

ΦDc	ΦDs	Specification/Item	Store	L	φ1	φ2	φ3	Applicable Insert	kg
13		KCD130-3D-S20-WC02	●	101	42	57		WC..020104	0.2
13.5		KCD135-3D-S20-WC02	●	103	44	59			0.2
14		KCD140-3D-S20-WC03	●	104	45	60		WC..030208	0.2
14.5	20	KCD145-3D-S20-WC03	●	106	47	62	44		0.2
15	/	KCD150-3D-S20-WC03	●	107	48	63	/	0.2	
15.5	25	KCD155-3D-S20-WC03	●	109	50	65	56	0.2	
16		KCD160-3D-S20-WC03	●	110	51	66		0.2	
16.5		KCD165-3D-S20-WC03	●	112	53	68		0.2	
17		KCD170-3D-S20-WC03	●	113	54	69		0.2	
17.5		KCD175-3D-S25-WC03	●	127	56	71		WC..030208	0.3
18		KCD180-3D-S25-WC03	●	128	57	72			0.3
18.5		KCD185-3D-S25-WC03	●	130	59	74		0.3	
19		KCD190-3D-S25-WC03	●	131	60	75		0.3	
19.5		KCD195-3D-S25-WC03	●	133	62	77		0.3	
20		KCD200-3D-S25-WC03	●	134	63	78		0.4	
20.5		KCD205-3D-S25-WC03	●	136	65	80		0.4	
21	25	KCD210-3D-S25-WC04	●	137	66	81	56	WC..040208	0.4
21.5		KCD215-3D-S25-WC04	●	139	68	83			0.4
22		KCD220-3D-S25-WC04	●	140	69	84			0.4
22.5		KCD225-3D-S25-WC04	●	142	71	86			0.4
23		KCD230-3D-S25-WC04	●	146	72	90			0.4
23.5		KCD235-3D-S25-WC04	●	148	74	92			0.4
24		KCD240-3D-S25-WC04	●	149	75	93			0.4
24.5		KCD245-3D-S25-WC04	●	151	77	95			0.4
25		KCD250-3D-S25-WC05	●	152	78	96			0.4
25.5		KCD255-3D-S32-WC05	●	160	80	100			WC..050308
26		KCD260-3D-S32-WC05	●	161	81	101		0.6	
26.5		KCD265-3D-S32-WC05	●	163	83	103		0.7	
27		KCD270-3D-S32-WC05	●	164	84	104		0.7	
27.5		KCD275-3D-S32-WC05	●	166	86	106		0.7	
28		KCD280-3D-S32-WC05	●	167	87	107		0.7	
28.5		KCD285-3D-S32-WC05	●	169	89	109		0.7	
29		KCD290-3D-S32-WC05	●	172	91	112		0.7	
29.5		KCD295-3D-S32-WC05	●	174	93	114		0.7	
30		KCD300-3D-S32-WC05	●	178	94	118		0.7	
30.5		KCD305-3D-S32-WC05	●	180	96	120		0.8	
31	32	KCD310-3D-S32-WC06	●	181	97	121	60	WC..06T308	0.8
31.5		KCD315-3D-S32-WC06	●	183	99	123			0.9
32		KCD320-3D-S32-WC06	●	184	100	124			0.9
32.5		KCD325-3D-S32-WC06	●	186	102	126			0.9
33		KCD330-3D-S32-WC06	●	187	103	127			0.9
33.5		KCD335-3D-S32-WC06	●	189	105	129			0.9
34		KCD340-3D-S32-WC06	●	190	106	130			0.9
34.5		KCD345-3D-S32-WC06	●	192	108	132			1.0
35		KCD350-3D-S32-WC06	●	193	109	133			1.0
35.5		KCD355-3D-S32-WC06	●	195	111	135			1.0
36		KCD360-3D-S32-WC06	●	196	112	136		1.0	
36.5		KCD365-3D-S32-WC06	●	198	114	138		1.1	

ΦDc	ΦDs	Specification/Item	Store	L	φ1	φ2	φ3	Applicable Insert	kg
37		KCD370-3D-S32-WC06	●	206	116	146		WC..06T308	1.1
37.5		KCD375-3D-S32-WC06	●	208	118	148			1.1
38	32	KCD380-3D-S32-WC06	●	209	119	149	60		1.1
38.5		KCD385-3D-S32-WC06	●	211	121	151			1.1
39		KCD390-3D-S32-WC06	●	212	122	152			1.2
39.5		KCD395-3D-S32-WC06	●	214	124	154			1.3
40	40	KCD400-3D-S40-WC06	○	225	125	155	70		1.6

ΦDc	ΦDs	Specification/Item	Store	L	φ1	φ2	φ3	Applicable Insert	kg
13		KCD130-4D-S20-S25-WC02	●	114	55	70		WC..020104	0.2
13.5		KCD135-4D-S20-S25-WC02	●	116	57	72			0.2
14		KCD140-4D-S20-S25-WC03	●	118	59	74		WC..030208	0.2
14.5	20	KCD145-4D-S20-S25-WC03	●	120	61	76	44		0.2
15	/	KCD150-4D-S20-S25-WC03	●	122	63	78	/	0.2	
15.5	25	KCD155-4D-S20-S25-WC03	●	124	65	80	56	0.2	
16		KCD160-4D-S20-S25-WC03	●	126	67	82		0.3	
16.5		KCD165-4D-S20-S25-WC03	●	128	69	84		0.3	
17		KCD170-4D-S20-S25-WC03	●	130	71	86		0.3	
17.5		KCD175-4D-S25-WC03	●	144	73	88		WC..030208	0.3
18		KCD180-4D-S25-WC03	●	146	75	90			0.4
18.5		KCD185-4D-S25-WC03	●	148	77	92		0.4	
19		KCD190-4D-S25-WC03	●	150	79	94		0.4	
19.5		KCD195-4D-S25-WC03	●	152	81	96		0.4	
20		KCD200-4D-S25-WC03	●	154	83	98		0.4	
20.5		KCD205-4D-S25-WC03	●	156	85	100		0.4	
21	25	KCD210-4D-S25-WC04	●	158	87	102	56	WC..040208	0.4
21.5		KCD215-4D-S25-WC04	●	160	89	104			0.4
22		KCD220-4D-S25-WC04	●	162	91	106			0.4
22.5		KCD225-4D-S25-WC04	●	164	93	108			0.4
23		KCD230-4D-S25-WC04	●	169	95	113			0.5
23.5		KCD235-4D-S25-WC04	●	171	97	115			0.5
24		KCD240-4D-S25-WC04	●	173	99	117			0.5
24.5		KCD245-4D-S25-WC04	●	175	101	119			0.7
25		KCD250-4D-S25-WC05	●	177	103	121			0.7
25.5		KCD255-4D-S32-WC05	●	185	105	125			WC..050308
26		KCD260-4D-S32-WC05	●	187	107	127		0.7	
26.5		KCD265-4D-S32-WC05	●	189	109	129		0.7	
27		KCD270-4D-S32-WC05	●	191	111	131		0.7	
27.5		KCD275-4D-S32-WC05	●	193	113	133		0.7	
28		KCD280-4D-S32-WC05	●	195	115	135		0.8	
28.5		KCD285-4D-S32-WC05	●	197	117	137		0.8	
29		KCD290-4D-S32-WC05	●	201	120	141		0.8	
29.5		KCD295-4D-S32-WC05	●	203	122	143		0.8	
30		KCD300-4D-S32-WC05	●	208	124	148		0.9	
30.5		KCD305-4D-S32-WC05	●	210	126	150		0.9	
31	32	KCD310-4D-S32-WC06	●	212	128	152	60	WC..06T308	0.9
31.5		KCD315-4D-S32-WC06	●	214	130	154			0.9
32		KCD320-4D-S32-WC06	●	216	132	156			1.0
32.5		KCD325-4D-S32-WC06	●	218	134	158			1.0
33		KCD330-4D-S32-WC06	●	220	136	160			1.0
33.5		KCD335-4D-S32-WC06	●	222	138	162			1.0
34		KCD340-4D-S32-WC06	●	224	140	164			1.1
34.5		KCD345-4D-S32-WC06	●	226	142	166			1.1
35		KCD350-4D-S32-WC06	●	228	144	168			1.1
35.5		KCD355-4D-S32-WC06	●	230	146	170			1.1
36		KCD360-4D-S32-WC06	●	232	148	172		1.2	
36.5		KCD365-4D-S32-WC06	●	236	150	174		1.2	

● Spare Parts

Screw	Wrench	Applicable Drill
M1.8*5	T6	KCD130-3D-S20-WC02-KCD145-3D-S25-WC02
M2.5*5.5	T8	KCD140-3D-S20-WC03-KCD145-3D-S25-WC03
M2.5*6	T8	KCD150-3D-S20-WC03-KCD205-3D-S25-WC03
M2.5*6	T8	KCD210-3D-S25-WC04-KCD245-3D-S25-WC04
M3*7	T8	KCD250-3D-S25-WC05-KCD305-3D-S32-WC05
M3.5*8.5	T15	KCD310-3D-S32-WC06-KCD400-3D-S40-WC06

● Mark: Standard stock item,  
No mark: Made to order item.

● Spare Parts

Screw	Wrench	Applicable Drill
M1.8*5	T6	KCD130-3D-S20-WC02-KCD145-3D-S25-WC02
M2.5*5.5	T8	KCD140-3D-S20-WC03-KCD145-3D-S25-WC03
M2.5*6	T8	KCD150-3D-S20-WC03-KCD205-3D-S25-WC03
M2.5*6	T8	KCD210-3D-S25-WC04-KCD245-3D-S25-WC04
M3*7	T8	KCD250-3D-S25-WC05-KCD305-3D-S32-WC05
M3.5*8.5	T15	KCD310-3D-S32-WC06-KCD400-3D-S40-WC06

● Mark: Standard stock item,  
No mark: Made to order item.

Range of machining tolerance:  $-0.2 \sim +0.2$  Drilling depth: 5x diameter

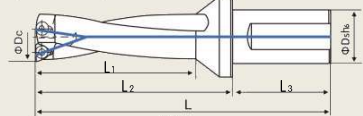


Fig.1



▲ H13/SKD61

φDc	φDs	Specification/Item	Store	L	φ1	φ2	φ3	Applicable Insert	kg
16	20	KCD160-4D-S20-WC03	●	142	83	98	44	WC..030208	0.4
16.5	/	KCD165-4D-S20-WC03	●	145	86	101	/		0.4
17	25	KCD170-4D-S20-WC03	●	147	88	103	56		0.4
17.5	/	KCD175-4D-S25-WC03	●	162	91	106	/		0.4
18	/	KCD180-4D-S25-WC03	●	164	93	108	/		0.5
18.5	/	KCD185-4D-S25-WC03	●	167	96	111	/		0.5
19	/	KCD190-4D-S25-WC03	●	169	98	113	/		0.5
19.5	/	KCD195-4D-S25-WC03	●	172	101	116	/		0.5
20	/	KCD200-4D-S25-WC03	●	174	103	118	/		0.5
20.5	/	KCD205-4D-S25-WC03	●	177	106	121	/		0.5
21	25	KCD210-4D-S25-WC04	●	179	108	123	56	0.5	
21.5	/	KCD215-4D-S25-WC04	●	182	111	126	/	0.5	
22	/	KCD220-4D-S25-WC04	●	184	113	128	/	0.5	
22.5	/	KCD225-4D-S25-WC04	●	187	116	131	/	0.5	
23	/	KCD230-4D-S25-WC04	●	192	118	136	/	0.6	
23.5	/	KCD235-4D-S25-WC04	●	195	121	139	/	0.6	
24	/	KCD240-4D-S25-WC04	●	197	123	141	/	0.6	
24.5	/	KCD245-4D-S25-WC04	●	200	126	144	/	0.8	
25	/	KCD250-4D-S25-WC05	●	202	128	146	/	0.8	
25.5	/	KCD255-4D-S32-WC05	●	213	131	153	/	0.8	
26	/	KCD260-4D-S32-WC05	●	216	133	156	/	0.8	
26.5	/	KCD265-4D-S32-WC05	●	217	136	157	/	0.8	
27	/	KCD270-4D-S32-WC05	●	218	138	158	/	0.8	
27.5	/	KCD275-4D-S32-WC05	●	221	141	161	/	0.8	
28	/	KCD280-4D-S32-WC05	●	223	143	163	/	0.9	
28.5	/	KCD285-4D-S32-WC05	●	226	146	166	/	0.9	
29	/	KCD290-4D-S32-WC05	●	230	149	170	/	0.9	
29.5	/	KCD295-4D-S32-WC05	●	233	151	173	/	0.9	
30	/	KCD300-4D-S32-WC05	●	238	154	178	/	1.0	
30.5	/	KCD305-4D-S32-WC05	●	241	157	181	/	1.0	
31	32	KCD310-4D-S32-WC06	●	243	159	183	60	1.0	
31.5	/	KCD315-4D-S32-WC06	●	245	162	185	/	1.0	
32	/	KCD320-4D-S32-WC06	●	248	164	188	/	1.1	
32.5	/	KCD325-4D-S32-WC06	●	251	167	191	/	1.1	
33	/	KCD330-4D-S32-WC06	●	253	169	193	/	1.1	
33.5	/	KCD335-4D-S32-WC06	●	255	172	195	/	1.1	
34	/	KCD340-4D-S32-WC06	●	258	174	198	/	1.2	
34.5	/	KCD345-4D-S32-WC06	●	261	177	201	/	1.2	
35	/	KCD350-4D-S32-WC06	●	263	179	203	/	1.2	
35.5	/	KCD355-4D-S32-WC06	●	265	182	205	/	1.2	
36	/	KCD360-4D-S32-WC06	●	268	184	208	/	1.3	
36.5	/	KCD365-4D-S32-WC06	●	271	187	211	/	1.3	

φDc	φDs	Specification/Item	Store	L	φ1	φ2	φ3	Applicable Insert	kg
37	/	KCD370-4D-S32-WC06	●	206	116	146	/	WC..06T308	1.1
37.5	/	KCD375-4D-S32-WC06	●	208	118	148	/		1.1
38	32	KCD380-4D-S32-WC06	●	209	119	149	60		1.1
38.5	/	KCD385-4D-S32-WC06	●	211	121	151	/		1.1
39	/	KCD390-4D-S32-WC06	●	212	122	152	/		1.2
39.5	/	KCD395-4D-S32-WC06	●	214	124	154	/		1.3
40	40	KCD400-4D-S40-WC06	○	225	125	155	70		1.6

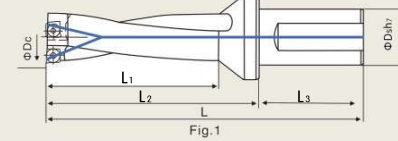
Spare Parts

Screw	Wrench	Applicable Drill
M2.5*6	T8	KCD160-4D-S20-WC03-KCD205-4D-S25-WC03
M2.5*6	T8	KCD210-4D-S25-WC04-KCD245-4D-S25-WC04
M3*7	T8	KCD250-4D-S25-WC05-KCD305-4D-S32-WC05
M3.5*8.5	T15	KCD310-4D-S32-WC06-KCD400-4D-S40-WC06

● Mark: Standard stock item,  
No mark: Made to order item.

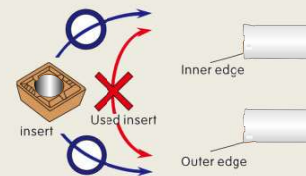


Range of machining tolerance:  $-0.05 - +0.15$



ΦDc	ΦDs	Specification/Item	Store	L	ℓ <sub>1</sub>	ℓ <sub>2</sub>	ℓ <sub>3</sub>	Applicable Insert	kg
15	25	PDL150D2S25	●	92	33	48	56	WDXT042004	0.2
16		PDL160D2S25	●	94	35	50		WDXT052504	0.2
17		PDL170D2S25	●	96	37	52		0.2	
18		PDL180D2S25	●	112	39	56		0.3	
19		PDL190D2S25	●	114	41	58		0.3	
20		PDL200D2S25	●	116	43	60		0.3	
21		PDL210D2S25	●	118	45	62		0.3	
22		PDL220D2S25	●	120	47	64		0.4	
23		PDL230D2S25	●	122	49	66		0.4	
24		PDL240D2S25	●	124	51	68		0.4	
25		PDL250D2S25	●	126	53	70		0.4	
26	32	PDL260D2S32	●	135	55	75	60	WDXT073506	0.6
27		PDL270D2S32	●	137	57	77		0.6	
28		PDL280D2S32	●	139	59	79		0.7	
29		PDL290D2S32	●	143	62	83		0.7	
30		PDL300D2S32	●	148	64	88		0.7	
31		PDL310D2S32	○	150	66	90		0.8	
32		PDL320D2S32	○	152	68	92		0.8	
33		PDL330D2S32	○	154	70	94		0.8	
34		PDL340D2S32	○	156	72	96		0.8	
35		PDL350D2S32	○	158	74	98		0.8	

### Notes About Mounting Inserts(PDL Type)



Part number structure of PCT, PDL Type holder

**PCT** **250** **D3** **S25**

Diameter (φ25.0) | Drill Length (3D) | Shank Diameter (φ25.0)

Part number structure of WDXT inserts

**WDXT** **07** **35** **06** - **G**

Width Across Flats (7.5) | Thickness × 10 (3.5) | Corner Radius × 10 (R0.6) | Breaker Type

**PDL type:** The outer edge and center edge of the inserts can be used.  
 A insert used as a peripheral edge cannot be used as a central edge. Similarly, a insert used as a center edge cannot be used as a peripheral edge.

**PCT type:** Limited to peripheral edge, using 2 tips

Application	Angled Surface	Half Cylindrical	Pre-cast Hole	Intersecting Holes	Boring	External Turning	Laminated Plates	Back Boring
Feed Rate(f) mm/rev	0.05	0.05	0.08	0.05	0.1	0.1	Not applicable	Not applicable

Range of machining tolerance:  $-0.05 \sim +0.15$  Drilling depth: 2xdiameter

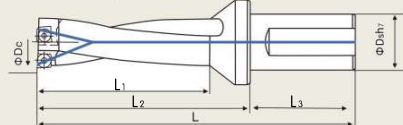


Fig.1

$\phi D_c$	$\phi D_s$	Specification/Item	Store	L	$\ell_1$	$\ell_2$	$\ell_3$	Applicable Insert
12		K2D12020-04	●	90	25	40		SPMT040204 XOMT040204
13		K2D13020-04	●	88	29	44		
14	20	K2D14020-05	●	90	31	46	44	SPMT050204 XOMT050204
15		K2D15020-05	●	92	33	48		
16		K2D16020-05	●	94	35	50		SPMT060205 XOMT060205
17		K2D17025-06	●	96	37	52		
18		K2D18025-06	●	110	39	54		SPMT07T208 XOMT07T208
19		K2D19025-06	●	112	41	56		
20	25	K2D20025-07	●	114	43	58	56	SPMT07T208 XOMT07T208
21		K2D21025-07	●	116	45	60		
22		K2D22025-07	●	118	47	62		SPMT07T208 XOMT07T208
23		K2D23025-07	●	123	49	67		

◎ Threaded Fittings /Connection: PT



Gun Drill Technology

$\phi D_c$	$\phi D_s$	Specification/Item	Store	L	$\ell_1$	$\ell_2$	$\ell_3$	Applicable Insert
24	25	K2D24025-09	●	125	51	69		SPMT090308 XOMT090308
25		K2D25025-09	●	127	53	71		
26		K2D26032-09	●	135	55	75		SPMT090308 XOMT090308
27		K2D27032-09	●	137	57	77		
28		K2D28032-09	○	139	59	79		SPMT11T308 XOMT11T308
29		K2D29032-09	○	143	62	83	60	
30	32	K2D30032-11	○	148	64	88		SPMT11T308 XOMT11T308
31		K2D31032-11	○	150	66	90		
32		K2D32032-11	○	152	68	92		SPMT11T308 XOMT11T308
33		K2D33032-11	○	154	70	94		
34		K2D34032-11	○	156	72	96		SPMT11T308 XOMT11T308
35		K2D35032-11	○	158	74	98		

Range of machining tolerance:  $-0.05 \sim +0.15$

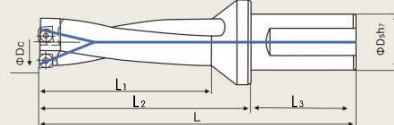


Fig.1

$\phi D_c$	$\phi D_s$	Specification/Item	Store	L	$\ell_1$	$\ell_2$	$\ell_3$	Applicable Insert
12		K4D12020-04	●	115	50	65		SPMT040204 XOMT040204
13		K4D13020-04	●	114	55	70		
14	20	K4D14020-05	●	118	59	74	44	SPMT050204 XOMT050204
15		K4D15020-05	●	122	63	78		
16		K4D16020-05	●	126	67	82		SPMT060205 XOMT060205
17		K4D17025-06	●	130	71	86		
18		K4D18025-06	●	146	75	90		SPMT060205 XOMT060205
19		K4D19025-06	●	150	79	94		
20	25	K4D20025-07	●	154	83	98	56	SPMT07T208 XOMT07T208
21		K4D21025-07	●	158	87	102		
22		K4D22025-07	●	162	91	106		SPMT07T208 XOMT07T208
23		K4D23025-07	●	169	95	113		

◎



$\phi D_c$	$\phi D_s$	Specification/Item	Store	L	$\ell_1$	$\ell_2$	$\ell_3$	Applicable Insert
24	25	K4D24025-09	●	173	99	117		SPMT090308 XOMT090308
25		K4D25025-09	●	177	103	121		
26		K4D26032-09	●	187	107	127		SPMT090308 XOMT090308
27		K4D27032-09	●	191	111	131		
28		K4D28032-09	○	195	115	135		SPMT11T308 XOMT11T308
29		K4D29032-09	○	201	120	141	60	
30	32	K4D30032-11	○	208	124	148		SPMT11T308 XOMT11T308
31		K4D31032-11	○	212	128	152		
32		K4D32032-11	○	216	132	156		SPMT11T308 XOMT11T308
33		K4D33032-11	○	220	136	160		
34		K4D34032-11	○	224	140	164		SPMT11T308 XOMT11T308
35		K4D35032-11	○	228	146	168		

Range of machining tolerance:  $-0.05 \sim +0.15$  Drilling depth: 3xdiameter

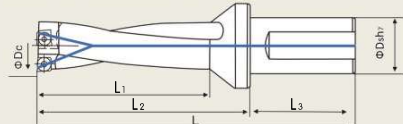


Fig.1

$\phi D_c$	$\phi D_s$	Specification/Item	Store	L	$\ell_1$	$\ell_2$	$\ell_3$	Applicable Insert
12		K3D12020-04	●	102	37	52		SPMT040204 XOMT040204
13		K3D13020-04	●	101	42	57		
14	20	K3D14020-05	●	104	45	60	50	SPMT050204 XOMT050204
15		K3D15020-05	●	107	48	63		
16		K3D16020-05	●	110	51	66		SPMT060205 XOMT060205
17		K3D17025-06	●	113	54	69		
18		K3D18025-06	●	128	57	72		SPMT07T208 XOMT07T208
19		K3D19025-06	●	131	60	75		
20	25	K3D20025-07	●	134	63	78	56	SPMT07T208 XOMT07T208
21		K3D21025-07	●	137	66	81		
22		K3D22025-07	●	140	69	84		SPMT07T208 XOMT07T208
23		K3D23025-07	●	146	72	90		

◎ Threaded Fittings /Connection: PT



$\phi D_c$	$\phi D_s$	Specification/Item	Store	L	$\ell_1$	$\ell_2$	$\ell_3$	Applicable Insert
24	25	K3D24025-09	●	149	75	93		SPMT090308 XOMT090308
25		K3D25025-09	●	152	78	96		
26		K3D26032-09	●	161	81	101		SPMT090308 XOMT090308
27		K3D27032-09	●	164	84	104		
28		K3D28032-09	○	167	87	107		SPMT11T308 XOMT11T308
29		K3D29032-09	○	172	91	112	60	
30	32	K3D30032-11	○	178	94	118		SPMT11T308 XOMT11T308
31		K3D31032-11	○	181	97	121		
32		K3D32032-11	○	184	100	124		SPMT11T308 XOMT11T308
33		K3D33032-11	○	187	103	127		
34		K3D34032-11	○	190	106	130		SPMT11T308 XOMT11T308
35		K3D35032-11	○	193	109	133		

Range of machining tolerance:  $-0.05 \sim +0.15$

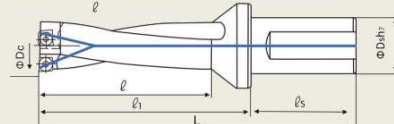


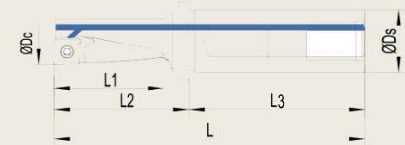
Fig.1

$\phi D_c$	$\phi D_s$	Specification/Item	Store	L	$\ell_1$	$\ell_2$	$\ell_3$	Applicable Insert
12		K5D12020-04	●	124	63	80		SPMT040204 XOMT040204
13		K5D13020-04	●	129	68	85		
14	20	K5D14020-05	●	133	73	89	44	SPMT050204 XOMT050204
15		K5D15020-05	●	137	78	93		
16		K5D16020-05	●	142	83	98		SPMT060205 XOMT060205
17		K5D17025-06	●	147	88	103		
18		K5D18025-06	●	164	93	108		SPMT060205 XOMT060205
19		K5D19025-06	●	169	98	113		
20	25	K5D20025-07	●	174	103	118	56	SPMT07T208 XOMT07T208
21		K5D21025-07	●	179	108	123		
22		K5D22025-07	●	184	113	128		SPMT07T208 XOMT07T208
23		K5D23025-07	●	192	118	136		

◎



$\phi D_c$	$\phi D_s$	Specification/Item	Store	L	$\ell_1$	$\ell_2$	$\ell_3$	Applicable Insert
24	25	K5D24025-09	●	197	123	141		SPMT090308 XOMT090308
25		K5D25025-09	●	202	128	146		
26		K5D26032-09	●	216	133	156		SPMT090308 XOMT090308
27		K5D27032-09	●	218	138	158		
28		K5D28032-09	○	223	143	163		SPMT11T308 XOMT11T308
29		K5D29032-09	○	230	149	170	60	
30	32	K5D30032-11	○	238	154	178		SPMT11T308 XOMT11T308
31		K5D31032-11	○	243	159	183		
32		K5D32032-11	○	248	164	188		SPMT11T308 XOMT11T308
33		K5D33032-11	○	253	169	193		
34		K5D34032-11	○	258	174	198		SPMT11T308 XOMT11T308
35		K5D35032-11	○	263	179	203		

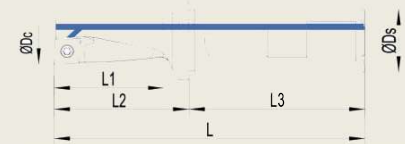


○ Threaded Fittings /Connection: "G"



Φ Dc	Φ Ds	Specification/Item	Stbre	L	ℓ <sub>1</sub>	ℓ <sub>2</sub>	ℓ <sub>3</sub>	Applicable Insert	Screw	Wrench	kg
8	12	TCAP 08R 2.25D	●	64.5	17.5	22.5	42	XCMT040104-R	M2*4	T6	0.2
8	12	TCAP 08L 2.25D	○	64.5	17.5	22.5	42	XCMT040104-L	M2*4	T6	0.2
10	12	TCAP 10R 2.25D	●	70.5	22.5	28.5	42	XCMT050204	M2*4	T6	0.2
10	12	TCAP 10L 2.25D	○	70.5	22.5	28.5	42	XCMT050204	M2*4	T6	0.2
12	16	TCAP 12R 2.25D	●	79	27	34	45	XCMT060204	M2.2*5	T7	0.2
12	16	TCAP 12L 2.25D	○	79	27	34	45	XCMT060204	M2.2*5	T7	0.2
14	16	TCAP 14R 2.25D	●	85	32	40	45	XCMT070304	M2.5*6	T8	0.2
14	16	TCAP 14L 2.25D	○	85	32	40	45	XCMT070304	M2.5*6	T8	0.2
16	20	TCAP 16R 2.25D	●	96	36	46	50	XCMT080304	M3*7	T8	0.2
16	20	TCAP 16L 2.25D	○	96	36	46	50	XCMT080304	M3*7	T8	0.2
20	25	TCAP 20R 2.25D	●	113	45	57	56	XCMT10T304	M3.5*8.5	T15	0.3
20	25	TCAP 20L 2.25D	○	113	45	57	56	XCMT10T304	M3.5*8.5	T15	0.3
25	32	TCAP 25R 2.25D	●	130	57	70	60	XCMT130404	M5*11	T20	0.6
25	32	TCAP 25L 2.25D	○	130	57	70	60	XCMT130404	M5*11	T20	0.6
32	32	TCAP 32R 2.25D	●	145	72	85	60	XCMT170508	M5*11	T20	0.9
32	32	TCAP 32L 2.25D	○	145	72	85	60	XCMT170508	M5*11	T20	0.9

● Mark:Standard stock item ○ No mark:Made to order item.



○ Threaded Fittings /Connection: "G"



Φ Dc	Φ Ds	Specification/Item	Stbre	L	ℓ <sub>1</sub>	ℓ <sub>2</sub>	ℓ <sub>3</sub>	Applicable Insert	Screw	Wrench	kg
8	12	TCAP 08R 3D	●	72.5	24	30.5	42	XCMT040104-R	M2*4	T6	0.2
8	12	TCAP 08L 3D	○	72.5	24	30.5	42	XCMT040104-L	M2*4	T6	0.2
10	12	TCAP 10R 3D	●	79	30	37	42	XCMT050204	M2*4	T6	0.2
10	12	TCAP 10L 3D	○	79	30	37	42	XCMT050204	M2*4	T6	0.2
12	16	TCAP 12R 3D	●	89	37	44	45	XCMT060204	M2.2*5	T7	0.2
12	16	TCAP 12L 3D	○	89	37	44	45	XCMT060204	M2.2*5	T7	0.2
14	16	TCAP 14R 3D	●	95	42	50	45	XCMT070304	M2.5*6	T8	0.2
14	16	TCAP 14L 3D	○	95	42	50	45	XCMT070304	M2.5*6	T8	0.2
16	20	TCAP 16R 3D	●	108	48	58	50	XCMT080304	M3*7	T8	0.2
16	20	TCAP 16L 3D	○	108	48	58	50	XCMT080304	M3*7	T8	0.2
20	25	TCAP 20R 3D	●	128	60	72	56	XCMT10T304	M3.5*8.5	T15	0.3
20	25	TCAP 20L 3D	○	128	60	72	56	XCMT10T304	M3.5*8.5	T15	0.3
25	32	TCAP 25R 3D	●	148	75	88	60	XCMT130404	M5*11	T20	0.6
25	32	TCAP 25L 3D	○	148	75	88	60	XCMT130404	M5*11	T20	0.6
32	32	TCAP 32R 3D	●	169	96	109	60	XCMT170508	M5*11	T20	0.9
32	32	TCAP 32L 3D	○	169	96	109	60	XCMT170508	M5*11	T20	0.9

● Mark:Standard stock item ○ No mark:Made to order item.