



Modular System

模块系统



Moduláris rendszer

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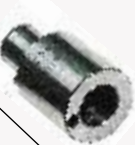
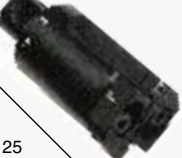
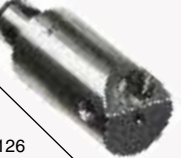
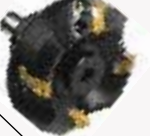
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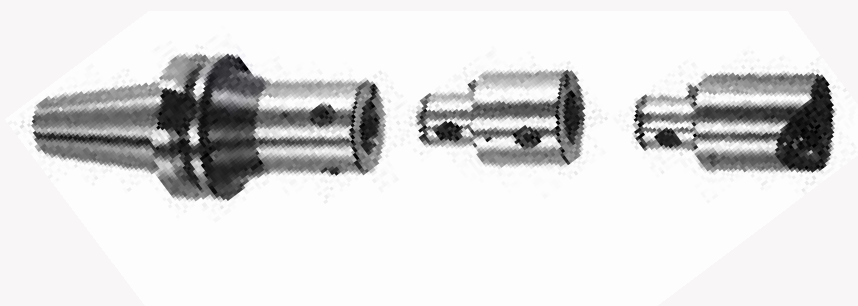
Modular System

模块系统

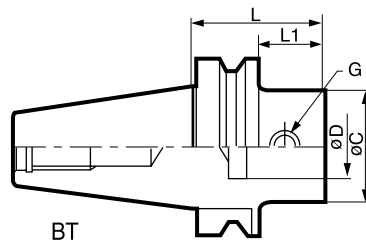
BT, NT, MT, S-MD	基础刀柄	Basic Holder	120
EXT	接长杆	Extension Bar	122
RDC	接短杆	Reducer Bar	123
CF	倒角器	Chamfering Cutter	124
MD-SDC	筒夹头	Collet Chuck Head	125
MD-DBC	平衡式镗头	Balance Cutter Head	125
MD-BKA	FZ镗头	FZ Boring Head	126
MD-KTN	丝攻夹头	Tap Chuck Head	126
MD-SLA	侧固式夹头	Side Lock Head	127
MD-SMA	端铣夹头	Shell End Mill Arbor Head	127
MD-FMA	面铣刀夹头	Face Mill Arbor Head	128
MD-NPU	钻夹头	Drill Chuck Head	129
MD-SMH	小精密镗刀夹头	Small Micro Boring Head	129
MD-SMB	小精密镗刀夹头	Small Micro Boring Head	130
MD-KMB	精密镗刀夹头	Micro Boring Head	130
MD-BCF(BCH-F)	BCF镗夹头	BCF Boring Head	131

Modular System (模块系统)

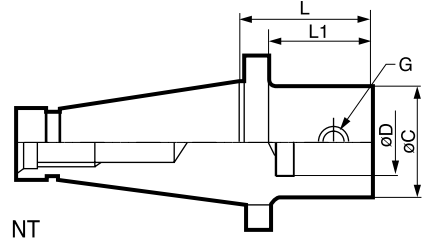
Modular Series MD-	Basic Holder: BT/NT, MT,S-MD types 基础刀柄  P120	Extension Bar: EXT type 接长杆  P122	Reducer Bar: RDC type 接短杆  P123	Chamfering Cutter: CF type 倒角器  P124
Collet Chuck Head: SDC type 筒夹夹头  P125	Balance Cutter Head: DBC type 平衡式镗头  P125	FZ Boring Head: BKA type FZ镗头  P126	Tap Chuck Head: KTN type 丝攻夹头  P126	Side Lock Head: SLA type 侧固式夹头  P127
Shell End Mill Arbor Head: SMA type 端铣刀夹头  P127	Face Mill Arbor Head: FMA type 面铣刀夹头  P128	Drill Chuck Head: NPU type 钻夹头  P129	Small Micro Boring Head: SMH/SMB type 小精密镗刀夹头  P129~130	Micro Boring Head: KMB type 精密镗刀夹头  P130
BCF Boring Head: BCF type (BCH-F) BCF镗夹头  P131				



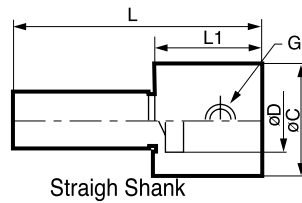
Body(Basic Holder) 本体(基础刀柄)



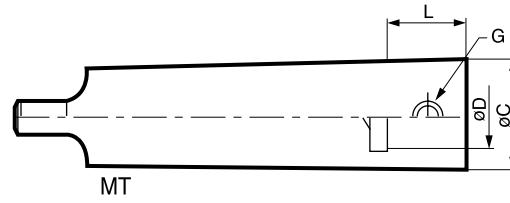
BT



NT



Straigh Shank



MT

Order No.	øC	øD	L	L1	G	kg	Stock
BT30-MD19-70	19	11	70	48	M5	0.4	●
(NT30) MD25-90	25	14	90	68	M8	0.4	●
MD32-54	32	18	54	32	M8	0.4	●
MD32-80	32	18	80	58	M8	0.4	●
MD40-60	40	22	60	38	M10	0.5	●
MD40-80	40	22	80	58	M10	0.5	●
MD40-110	40	22	110	88	M10	0.8	●
MD50-70	50	28	70	48	M12	0.8	●
BT40-MD19-70	19	11	70	43	M5	1.8	●
(NT40) MD25-49	25	14	49	22	M8	1.8	●
MD25-105	25	14	105	78	M8	1.9	●
MD32-54	32	18	54	27	M8	2.0	●
MD32-115	32	18	115	88	M8	2.3	●
MD40-60	40	22	60	33	M10	2.4	●
MD40-110	40	22	110	83	M10	2.7	●
MD50-54	50	28	54	27	M12	2.1	●
MD50-100	50	28	100	73	M12	2.7	●
MD63-64	63	36	64	37	M16	3.3	●
MD63-90	63	36	90	63	M16	3.6	●
MD80-100	80	36	100	63	M16	4.5	●
BT50-MD19-60	19	11	60	22	M5	4.2	●
(NT50) MD25-60	25	14	60	22	M8	4.3	●
MD25-120	25	14	120	82	M8	4.7	●
MD32-61	32	18	61	23	M8	4.8	●
MD32-115	32	18	115	77	M8	5.1	●
MD32-125	32	18	125	87	M8	5.1	●
MD32-235	32	18	235	197	M8	5.5	●
MD40-60	40	22	60	22	M10	5.0	●
MD40-125	40	22	125	87	M10	5.3	●
MD40-230	40	22	230	192	M10	5.6	●
MD50-65	50	28	65	27	M12	4.0	●
MD50-160	50	28	160	122	M12	6.2	●
MD50-250	50	28	250	212	M12	6.8	●
MD63-75	63	36	75	37	M16	5.6	●
MD63-140	63	36	140	102	M16	6.0	●
MD63-240	63	36	240	202	M16	8.4	●

(mm)

Body(Basic Holder) 本体 (基础刀柄)

Order No.	øC	øD	L	L1	G	 kg	Stock
BT50-MD80-75	80	45	75	37	M16	9.1	●
MD80-110	80	45	110	62	M16	9.4	●
MD80-175	80	45	175	137	M16	9.5	●
MD90-75	90	45	75	37	M16	9.8	●
MD90-145	90	45	145	107	M16	10.2	●
MD90-195	90	45	195	157	M16	10.4	●
MT6-MD19-30	19	11	30	-	M5	-	
MD25-30	25	14	30	-	M8	-	
MD32-35	32	18	35	-	M8	-	
MD40-45	40	22	45	-	M10	-	
MD50-45	50	28	45	-	M12	-	
MD63-45	63	36	45	-	M16	-	
MD80-75	80	45	75	-	M16	-	
MD90-75	90	45	75	-	M16	-	
S32- MD40-22	40	22	102	22	M10	-	●
MD63-60	63	36	140	60	M16	-	●
S42- MD40-22	40	22	102	22	M10	-	
MD63-60	63	36	140	60	M16	-	●

(mm)

- 상가품 이외의 본체(Basic holder)도 주문 제작 합니다.
- 주축 Taper에 따라 지정하여 주십시오.

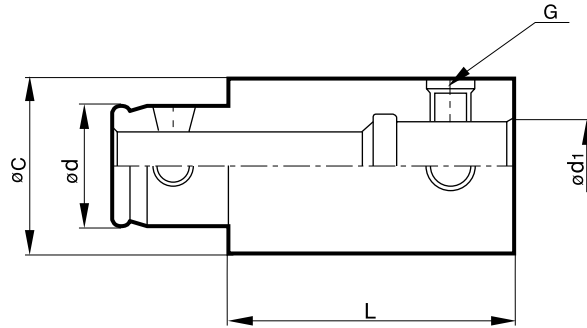
- 除以上型号外, 基本柄可根据用户的要求定作
- 根据机床主轴型式选择型号

- Beside above mentioned types, Basic Holders are also manufactured by customer's order.
- Select the type in accordance with the machine spindle taper.

Spare Parts 配件		
	Basic 基本	Option 选配件
	Taper Screw	Wrench
Type		
MD25	BTT0808	LW-4
MD32	BTT0810	LW-4
MD40	BTT1014	LW-5
MD50	BTT1216	LW-6
MD63	BTT1622	LW-8
MD80	BTT1626	LW-8
MD90	BTT1630	LW-8

Extension Bar (接长杆) EXT type

EXT



Order No.	øC	ød	L	ød1	G	Stock
EXT 1930	19	11	30	11	M5	
1950	19	11	50	11	M5	
2530	25	14	30	14	M8	
2550	25	14	50	14	M8	●
3235	32	18	35	18	M8	●
3260	32	18	60	18	M8	●
4040	40	22	40	22	M10	●
4090	40	22	90	22	M12	●
5050	50	28	50	28	M12	●
50100	50	28	100	28	M16	●
6360	63	36	60	36	M16	●
63120	63	36	120	36	M16	●
8070	80	45	70	45	M16	●
80120	80	45	120	45	M16	●
9080	90	45	80	45	M16	
90130	90	45	130	45	M16	●

(mm)

• 상기품 이외의 제품도 주문 제작 합니다.

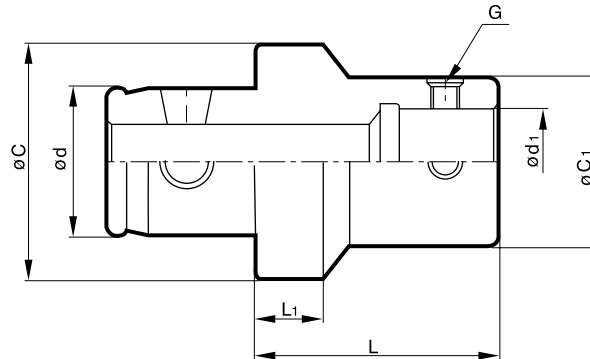
• 除以上型号外, 接长杆可根据用户的要求定作

• Besides above mentioned types, extension bars are also manufactured by customer's order.

Spare Parts 配件			
	Basic 基本		Option 选配件
	Taper Screw	Spring Pin	Wrench
Type			
MD19	BTT0506	-	LW-2.5
MD25	BTT0808	SP0308	LW-4
MD32	BTT0810	SP0410	LW-4
MD40	BTT1014	SP0516	LW-5
MD50	BTT1216	SP0616	LW-6
MD63	BTT1622	SP0818	LW-8
MD80	BTT1626	SP1020	LW-8
MD90	BTT1630	SP1020	LW-8

Reducer Bar (接短杆) RDC type

RDC



Order No.	ϕd	ϕC_1	ϕd_1	ϕC	L	L ₁	G	Stock
RDC 3225	18	25	14	32	30	9	M8	
4025	22	25	14	40	30	9	M8	
4032	22	32	18	40	30	9	M8	
5025	28	25	14	50	30	9	M8	
5032	28	32	18	50	30	9	M8	
5040	28	40	22	50	40	10	M10	
6325	36	25	14	63	30	9	M8	
6332	36	32	18	63	30	9	M8	
6340	36	40	22	63	40	10	M10	
6350	36	50	28	63	45	10	M12	
8032	45	32	18	80	30	9	M8	
8040	45	40	22	80	40	10	M10	
8050	45	50	28	80	45	10	M12	
8063	45	63	36	80	50	13	M16	

(mm)

• 상기품 이외의 제품도 주문 제작 합니다.

• 除以上型号外, 变径杆可根据用户的要求定作

• Besides above mentioned types, reduce bars are also manufactured by customer's order.

Spare Parts 配件			
	Basic 基本		Option 选配件
	Taper Screw(톨링부)	Spring Pin(샹크부)	Wrench
Type			
MD25	BTT0808	SP0308	LW-4
MD32	BTT0810	SP0410	LW-4
MD40	BTT1014	SP0516	LW-5
MD50	BTT1216	SP0616	LW-6
MD63	BTT1622	SP0818	LW-8
MD80	BTT1626	SP1020	LW-8

(규격 참고) EXT1930 : 19 → MD 19, 30 → L

Chamfering Cutter (倒角器) CF type

CF



Fig. 1

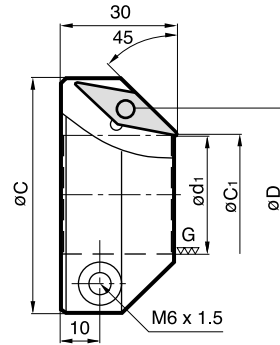
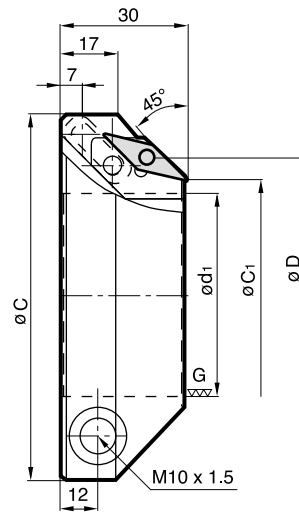
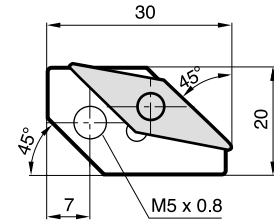


Fig. 2



Cartridge CFC2030
卡夹



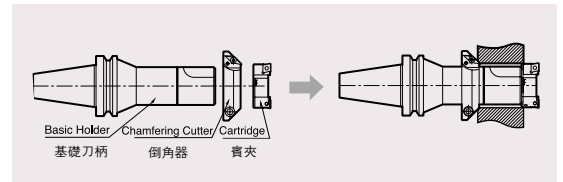
CF - 25 - 28 CF Modular type Chamfering Cutter 25 Mounting Diameter 28 Min. Cutting Dia.
模块式 倒角器 安装孔/直径 最小倒角直径

Order No.	Mounting Dia. ød1	øC1	Cutting Dia. øD		Outer dia. øC	Cartridge	Insert	kg	Fig.	Stock
			MIN	MAX						
CF 25-28	25	26	28	48	58	-	VCMT160400	0.5	1	
	32-35	32	33	35	55	65	-	VCMT160400	0.6	1
	40-46	40	44	46	66	76	-	VCMT160400	1.3	1
	50-58	50	56	58	78	88	-	VCMT160400	1.8	1
	63-74	63	72	74	114	115	CFC2030	VCMT160400	2.0	2
	80-94	80	92	94	134	138	CFC2030	VCMT160400	2.5	2

(mm)

Insert

Order No.	재종 (Grade) 牌号	용도 (Application) 用途
VCMT 160400	Coated : AC2000, AC3000(SEI)	강 (Steel)
	Cermet : T110A, T1200A, T130A(SEI)	강, 주물 (Steel, Cast-iron)
	W.C : H1(KORLOY)	알루미늄 (Aluminium)



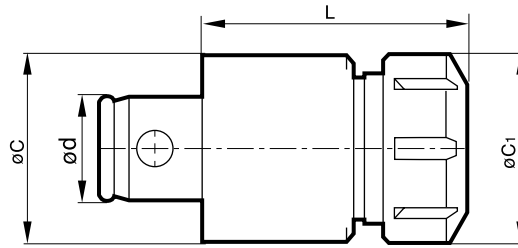
- 특수 Size도 주문제작 합니다.
- 特殊型式可以定购
- Special type can be ordered.

- 취부 및 적용방법 (예)
- 取付及适用方法 (例)
- Example of mounting and application

	Spare Parts 配件			
	Basic 基本			Option 选配件
	Cartridge	Wrench Bolt	Wrench Bolt	Wrench
Type				
MD25	-	BX0625	-	LW-5
MD32	-	BX0625	-	LW-5
MD40	-	BX0625	-	LW-5
MD50	-	BX0625	-	LW-5
MD63	CFC2030	BX1030	BX0515	LW-8
MD80	CFC2030	BX1030	BX0515	LW-8

Collet Chuck Head (筒夹夹头) MD-SDC type

MD-SDC



Order No.	Chuckling Range	øC	ød	øC ₁	L	Collet	Stock
SDC 2507	ø0.5~ø7	25	14	19	45	ER11	
2510	ø0.5~ø10	25	14	28	50	ER16	
3213	ø0.5~ø13	32	18	35	60	ER20	
4013	ø0.5~ø13	40	22	35	65	ER20	
5020	ø2.0~ø20	50	28	50	76	ER32	
6326	ø3.0~ø26	63	36	63	90	ER40	

(mm)

Modular type collet Chuck

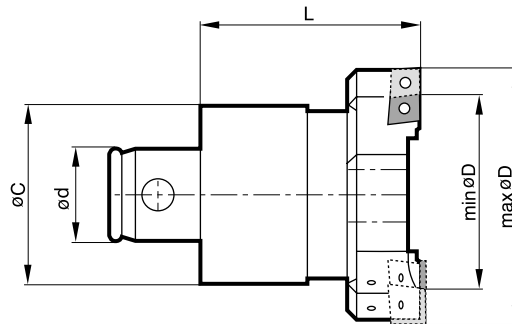
- Collet 사양은 49 page 참조.
- 스패너는 132 page 참조.
- Spare part 는 132 page 참조

- 夹套参见 49 页
- 扳手参见 132 页
- 配件参见 132 页

- Collet : see page 49.
- Spanner : see page 132.
- Spare part : see page 132.

Balance Cutter Head (平衡式镗头) MD-DBC(BCH) type

MD-SDC(BCH)



Order No.	Boring Range øD		L	ød	øC	Cartridge	Insert	Stock
	min	max						
BCH-28S	28	35	60	14	25	BCC28	CCMT0602○○	●
35S	35	46	65	18	32	BCC35	CCMT0602○○	●
46S	46	58	70	22	40	BCC46	CCMT09T3○○	●
58S	58	74	80	28	50	BCC58	CCMT09T3○○	●
74S	74	94	90	36	63	BCC74	CCMT1204○○	●
94S	94	120	100	45	80	BCC94	CCMT1204○○	●

(mm)

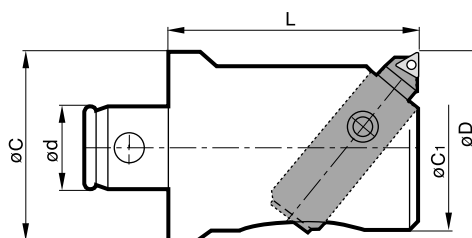
- Modular type rough boring head.
- Cartridge 사양은 132 page 참조.
- Insert 는 76 page 참조.
- Spare part 는 132 page 참조

- 刀块参见 132页
- 刀片参见 76页
- 配件参见 132页

- Cartridge : see page 132.
- Insert : see page 76.
- Spare part : see page 132.

FZ Boring Head (FZ镗头) MD-BKA type

MD-BKA



Order No.	Boring Range øD		øC	øD	øC1	L	Unit	Insert	Stock
	min	max							
BKA 1923	23	29.4(32)	19	11	19	40	FZ8-23-3	Brazed Tip	
2528	28	34.4(38)	25	14	25	50	FZ10-28-3(S)	U3(TBGT0601○○)	
3236	36	44(48)	32	18	32	60	FZ12-36-3(S)	U3(TBGT0601○○)	
4045	45	54.6(60)	40	22	40	70	FZ16-45-3(S)	U4(TPGT0802○○)	
5056	56	68(78)	50	28	50	70	FZ20-56-3(S)	U4(TPGT0802○○)	
6372	72	88(100)	63	36	63	80	FZ25-72-3(S)	U5(TPGT1103○○)	
8090	90	114(126)	80	45	80	100	FZ32-90-3(S)	U5(TPGT1103○○)	

(mm)

Modular type Micro boring head.

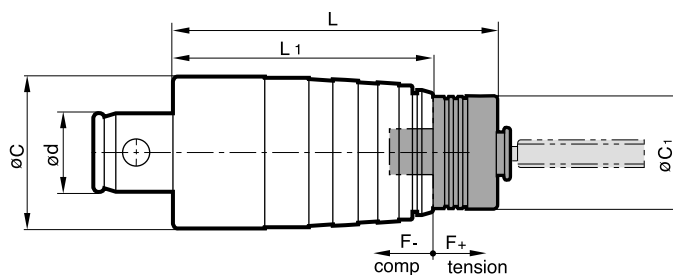
- FZ 유닛은 84 page 참조.
- Insert는 87 page 참조.
- Spare part 는 132 page 참조.

- 单元参见 84页
- 刀片参见 87页
- 配件参见 132页

- Unit : see page 84.
- Insert : see page 87.
- Spare part : see page 132.

Tap Chuck Head (丝攻夹头) MD-KTN type

MD-KTN



Order No.	Application Range		L	øC	ød	øC1	L1	Float		Tap adapter	Stock
	min	max						F-	F+		
KTN 5012	M3	M12	135	50	28	32	110	10	15	TCA1	
5022	M8	M22	205	50	28	50	171	15	15	TCA2	
6312	M3	M12	135	63	36	32	110	10	15	TCA1	
6322	M8	M22	205	63	36	50	171	15	15	TCA2	
8036	M16	M36	245	80	45	72	200	15	15	TCA3	

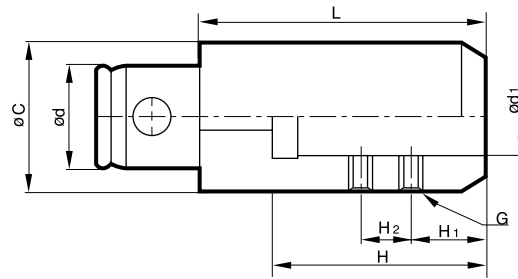
(mm)

- Tap Adapter는 69 page 참조.
- Spare part 는 133 page 참조

- 攻丝夹套参见 69页
- 配件参见 133页

- Tap Adapter: See page 69.
- Spare part : see page 133.

Side Lock head (侧固式夹头)MD-SLA type



- Modular Type Side Lock head.
- Spare part 는 133page참조.

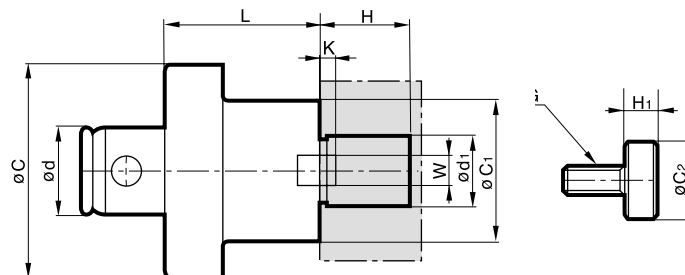
- 模块式侧固头
- 配件参见 133页

- Modular Type Side Lock head.
- Spare part : see page 133.

Order No.	øC	ød	ød1	L	H	H ₁	H ₂	G	Stock
SLA 5012	50	28	12	55	50	14	13	M 8	
16	50	28	16	55	50	25	20	M10	
20	50	28	20	60	50	25	20	M12	
6312	63	36	12	55	50	14	13	M 8	
16	63	36	16	55	50	25	20	M10	
20	63	36	20	60	50	25	20	M12	
25	63	36	25	80	70	25	20	M12	
32	63	36	32	85	80	30	20	M14	
8040	80	45	40	85	80	30	20	M16	

(mm)

Shellmill Arbor Head (立铣夹头)MD-SMA type



- Spare part 는 133page참조.

- 配件参见133页

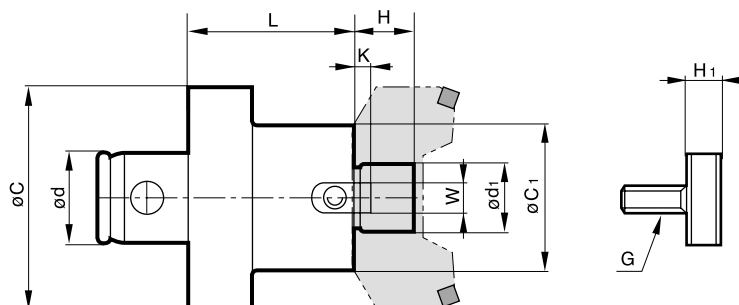
- Spare part : see page 133.

Order No.	øC	ød	øC ₁	ød ₁	H	L	K	W	H ₁	øC ₂	G	Stock
SMA 5016	50	28	34	16	17	25	3	8	7	20	M 8	
5022	50	28	42	22	27	25	3.5	8	9	28	M10	
6316	63	36	34	16	17	25	3	8	7	20	M 8	
6322	63	36	42	22	27	25	3.5	8	9	28	M10	
6327	63	36	50	27	36	25	4	10	10	33	M12	
6332	63	36	60	32	38	25	4.5	10	10	40	M16	
8016	80	45	34	16	17	25	3	8	7	20	M 8	
8022	80	45	42	22	27	25	3.5	8	9	28	M10	
8027	80	45	50	27	36	25	4	10	10	33	M12	
8032	80	45	60	32	38	25	4.5	10	10	40	M16	
8040	80	45	70	40	38	25	5	12	14	50	M20	

(mm)

Facemill Arbor Head (面铣刀夹头)MD-FMA type

MD-FMA



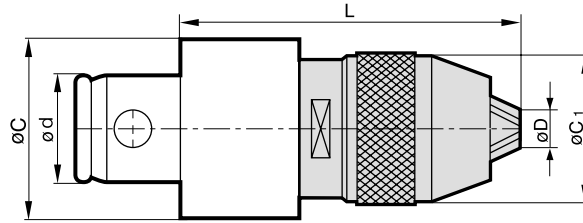
Order No.	Cutter Dia ϕ	ϕC	ϕd	ϕC_1	ϕd_1	H	L	K	W	H_1	G	Stock
FMA 6302	80	63	36	50	25.4	22	25	5	9.5	10	M12	
6303	100	63	36	60	31.75	30	25	7	12.7	10	M16	
8002	80	80	45	50	25.4	22	25	5	9.5	10	M12	
8003	100	80	45	60	31.75	30	25	7	12.7	10	M16	
8004	125	80	45	80	38.1	34	25	9	15.9	14	M20	

(mm)

Spare Parts 配件						
	Basic 基本					Option 选配件
	Key	Clamp Bolt	Wrench Bolt	Wrench Bolt	Spring Pin	Wrench
Type						
FMA6302	K9.5	M12	BX0412	BX1230	SP0818	LW-10
FMA6303	K12.7	M16	BX0515	-	SP0818	LW-14
FMA8002	K9.5	M12	BX0412	BX1230	SP1020	LW-10
FMA8003	K12.7	M16	BX0515	-	SP1020	LW-14
FMA8004	K15.9	M20	BX0618	-	SP1020	LW-17

Drill chuck head (钻夹头)MD-NPU type

MD-NPU



Order No.	Chucking Dia. ϕD		ϕC	ϕd	ϕC_1	L	Stock
	min	max					
NPU 4008	0	8	40	22	36	115	
5008	0	8	50	28	36	115	
5013	1	13	50	28	48	125	
6008	0	8	63	36	36	115	
6013	1	13	63	36	48	125	

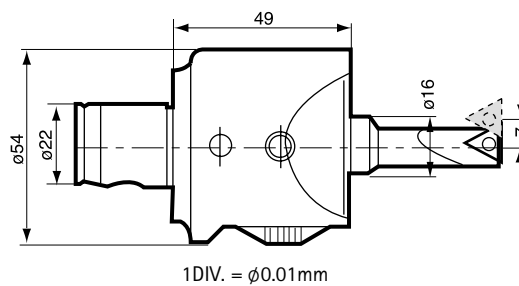
• 스패너는 별도 • 扳手为选配件 • Spanner option.

(mm)

Spare Parts 配件			
Type	Basic 基本		Option 选配件
	Chuck	Spring Pin	Spanner
NPU4008	NPU08	SP0516	NPU0828
NPU5008	NPU08	SP0616	NPU0828
NPU5013	NPU13	SP0616	NPU1337
NPU6308	NPU08	SP0818	NPU0828
NPU6313	NPU13	SP0818	NPU1337

Small Micro Boring Head (小精密镗刀夹头)MD-SMH type

MD-SMH



- 조정길이 : 7mm
- Clamping sleeve는 91page 참조.
- Boring bite는 91page 참조.
- Insert는 87page 참조.

- 可调长度: 7mm
- 夹紧套参见91页
- 镗刀杆参见91页
- 刀片参见87页
- Adjustable length : 7mm
- Clamping sleeve : see page 91.
- Boring bite : see page 91.
- Insert : see page 87.

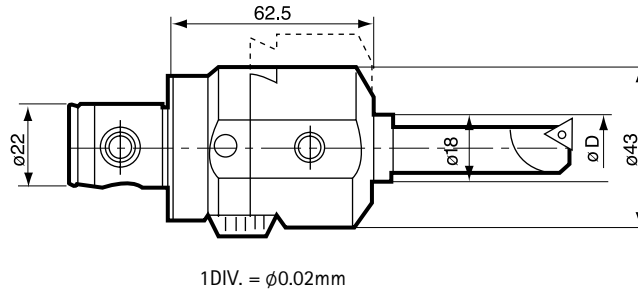
Order No.	MD No.	Boring Range	kg	Stock
SMH4022	40	$\phi 6 \sim \phi 34$	0.7	●

(mm)

Spare Parts 配件				
Type	Basic 基本			Option 选配件
	Set Screw	Set Screw	Wrench	Boring Bite
SMH	BTF0610	BTF0608	LW-3	BB16

Small Micro Boring Head (小精密镗刀夹头) MD-SMB type

MD-SMB



- 조정길이 : 10mm
- Clamping sleeve는 92 page 참조.
- Boring bite는 94 page 참조.
- Insert는 87 page 참조.

- 可调长度 : 10mm
- 夹紧套参见 92 页
- 镗刀杆参见 94 页
- 刀片参见 87 页

- Adjustable length : 10mm
- Clamping sleeve : see page 92.
- Boring bite : see page 94.
- Insert : see page 87.

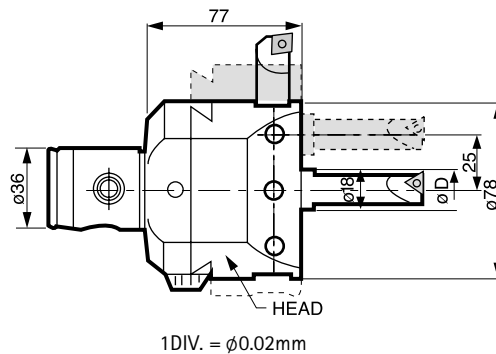
Order No.	MD No.	Boring Range	kg	Stock
SMB4022	40	$\phi 7 \sim \phi 37$	0.65	●

(mm)

Boring Bite	Boring Range		Insert	Screw	비고
	min	max			
BB18-7(S)	$\phi 7$	$\phi 27$	U3(TBGT0601○○L)	BFTX0204A	
BB18-9(S)	$\phi 9$	$\phi 29$	U3(TBGT0601○○L)	BFTX0204A	
BB18-11(S)	$\phi 11$	$\phi 31$	U4(TPGT0802○○L)	BFTX02506(BFTX0204A)	
BB18-15(S)	$\phi 15$	$\phi 35$	U4(TPGT0802○○L)	BFTX02506(BFTX0204A)	
BB18-17(S)	$\phi 17$	$\phi 37$	U5(TPGT1103○○L)	BFTX03508(BFTX0307A)	

Micro Boring Head MD-KMB type (精密镗刀夹头)

MD-KMB



- 조정길이 : 17mm
- Clamping sleeve는 93page 참조.
- 보링 바이트는 94page 참조.
- 인서트는 87page 참조.

- 可调长度 : 17mm
- 夹紧套参见 93 页
- 镗刀杆参见 94 页
- 刀片参见 87 页

- Adjustable length : 17mm
- Clamping sleeve : see page 93.
- Boring bite : see page 94.
- Insert : see page 87.

Order No.	MD No.	Bite Position	Boring Range	kg	Stock
KMB6336	63	Center Hole	$\phi 7 \sim \phi 51$	2.2	●
KMB6336	63	Eccentric Hole	$\phi 37 \sim \phi 101$	2.2	●
KMB6336	63	Side Hole	Max. $\phi 165$	2.2	●

(mm)

Boring Bite	Boring Range ϕD				Insert	Screw	비고
	Center Hole		Eccentric Hole				
	min	max	min	max			
BB18-7(S)	$\phi 7$	$\phi 41$	$\phi 37$	$\phi 91$	U3(TBGT0601○○L)	BFTX0204A	
BB18-9(S)	$\phi 9$	$\phi 43$	$\phi 39$	$\phi 93$	U3(TBGT0601○○L)	BFTX0204A	
BB18-11(S)	$\phi 11$	$\phi 45$	$\phi 41$	$\phi 95$	U4(TPGT0802○○L)	BFTX02506(BFTX0204A)	
BB18-15(S)	$\phi 15$	$\phi 49$	$\phi 45$	$\phi 99$	U4(TPGT0802○○L)	BFTX02506(BFTX0204A)	
BB18-17(S)	$\phi 17$	$\phi 51$	$\phi 47$	$\phi 101$	U5(TPGT1103○○L)	BFTX03508(BFTX0307A)	

BCF Boring Head (BCF 镗夹头) MD-BCF(BCH-F) type

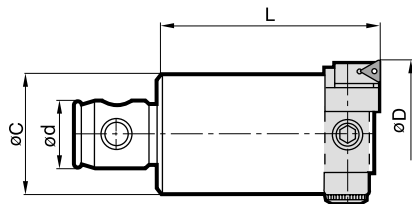


Fig. 1

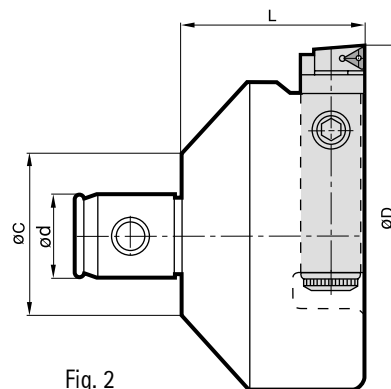


Fig. 2

Order No.	Boring Range øD		øC	ød	L	FF Unit	Insert	Fig.	Stock
	min	max							
BCH-30F	29.5	42	25	14	50	FF10-30(S)	U3(TBGT0601○○○L)	1	
39F	39	50	32	18	60	FF12-39(S)	U3(TBGT0601○○○L)	1	
47F	47	66	40	22	60	FF16-47(S)	U4(TPGT0802○○○L)	1	
58F	58	83	50	28	70	FF20-58(S)	U4(TPGT0802○○○L)	1	
79F	79	108	63	36	70	FF25-79(S)	U5(TPGT1103○○○L)	1	
100F	100	141	80	45	100	FF32-100(S)	U5(TPGT1103○○○L)	1	
138F	138	159	90	45	100	FF32-138(S)	U5(TPGT1103○○○L)	2	
150F	150	171	90	45	100	FF32-138(S)	U5(TPGT1103○○○L)	2	
170F	170	191	90	45	100	FF32-138(S)	U5(TPGT1103○○○L)	2	
190F	190	211	90	45	100	FF32-138(S)	U5(TPGT1103○○○L)	2	
210F	210	231	90	45	100	FF32-138(S)	U5(TPGT1103○○○L)	2	
230F	230	251	90	45	100	FF32-138(S)	U5(TPGT1103○○○L)	2	

(mm)

• FF 유닛은 89 page 참조.
• 인서트는 87 page 참조.

• FF单元参见89页
• 刀片参见87页

• FF Unit : see page 89.
• Insert : see page 87.

Spare Parts 配件				
	Basic 基本		Option 选配件	
	Set Screw	Spring Pin	Unit	Wrench
Type				
BCH- 30F	BTF0606	SP0308	FF10-30(S)	LW-3
BCH- 39F	BTF0808	SP0410	FF12-39(S)	LW-4
BCH- 47F	BTF1010	SP0516	FF16-47(S)	LW-5
BCH- 58F	BTF1212	SP0616	FF20-58(S)	LW-6
BCH- 79F	BTF1616	SP0818	FF25-79(S)	LW-8
BCH- 100F	BTF2020	SP1020	FF32-100(S)	LW-10
BCH- 138F	BTF2020	SP1020	FF32-138(S)	LW-10
BCH- 150F	BTF2020	SP1020	FF32-138(S)	LW-10
BCH- 170F	BTF2020	SP1020	FF32-138(S)	LW-10
BCH- 190F	BTF2020	SP1020	FF32-138(S)	LW-10
BCH- 210F	BTF2020	SP1020	FF32-138(S)	LW-10
BCH- 230F	BTF2020	SP1020	FF32-138(S)	LW-10

Collet Chuck Head : MD-SDC type

	Spare Parts 配件				
	Basic 基本			Option 选配件	
	Nut	Adjust Screw	Spring Pin	spanner	FER-Collet
Type					
SDC2507	RH11	BN0616	SP0308	S-17	FER-11
SDC2510	RH16	BN0825	SP0308	32-35	FER-16
SDC3213	RH20	BN1225	SP0410	35-38	FER-20
SDC4013	RH20	BN1225	SP0516	35-38	FER-20
SDC5020	RH32	BN1630	SP0616	48-52	FER-32
SDC6326	RH40	BN2235	SP0818	62-65	FER-40

Balance Cutter Head : MD-DBC(BCH) type

	Spare Parts 配件								
	Basic 基本								
	Head	Spring Pin	Wrench bolt	Wrench	Cartridge	Set Screw	Wrench	Clamp Screw	Torx Wrench
Type									
BCH-28S	BCH-28	SP0308	BX0415	LW-3	BCC28	BT0306	LW-1.5	FTKA02565	TRX07
BCH-35S	BCH-35	SP0410	BX0515	LW-4	BCC35	BT0308	LW-1.5	FTKA02565	TRX07
BCH-46S	BCH-46	SP0516	BX0620	LW-5	BCC46	BT0410	LW-2	FTNA0408	TRX15
BCH-58S	BCH-58	SP0616	BX0620	LW-5	BCC58	BT0412	LW-2	FTNA0408	TRX15
BCH-74S	BCH-74	SP0818	BX0830	LW-6	BCC74	BT0516	LW-2.5	BFTX0511N	TRX20
BCH-94S	BCH-94	SP1020	BX1035	LW-8	BCC94	BT0620	LW-3	BFTX0511N	TRX20

FZ Boring Head : MD-BKA type

	Spare Parts 配件			
	Basic 基本		Option 选配件	
	Set Screw	Spring Pin	Unit	Wrench
Type				
BKA1923	BTF0606	-	FZ8-23, 26-3	LW-3
BKA2528	BTF0606	SP0308	FZ10-28, 32-3	LW-3
BKA3236	BTF0808	SP0410	FZ12-36, 40-3	LW-4
BKA4045	BTF1010	SP0516	FZ16-45, 50-3	LW-5
BKA5056	BTF1212	SP0616	FZ20-56, 64-3	LW-6
BKA6372	BTF1616	SP0818	FZ25-72, 80-3	LW-8
BKA8090	BTF2020	SP1020	FZ32-90, 100-3	LW-10

Tap Chuck Head : MD-KTN type

Spare Parts 配件		
	Basic 基本	Option 选配件
	Spring Pin	Tap Adapter
Type		
KTN5012	SP0616	TCA1-
KTN5022	SP0616	TCA2-
KTN6312	SP0818	TCA1-
KTN6322	SP0818	TCA2-
KTN8036	SP1020	TCA3-

Side Lock Head : MD-SLA Type

Spare Parts 配件				
	Basic 基本			Option 选配件
	Set Screw	Adjust screw	Spring Unit	Wrench
Type				
SLA5012	BTF0808	BN1030	SP0616	LW-4
SLA5016	BTF1010	BN1240	SP0616	LW-5
SLA5020	BTF1212	BN1240	SP0616	LW-6
SLA6312	BTF0808	BN1030	SP0818	LW-4
SLA6316	BTF1010	BN1240	SP0818	LW-5
SLA6320	BTF1212	BN1240	SP0818	LW-6
SLA6325	BTF1212	BN1240	SP0818	LW-6
SLA6332	BTF1414	BN1240	SP0818	LW-7
SLA8040	BTF1616	BN1240	SP1020	LW-8

Shellmill Arbor Head : MD-SMA type

Spare Parts 配件						
	Basic 基本					Option 选配件
	Key	Clamp Screw	Wrench Bolt	Wrench Bolt	Spring Pin	Wrench
Type						
SMA5016	K8(A)	MBA-M8	BX0310	BX0820	SP0616	LW-6
SMA5022		MBA-M10		BX1030	SP0616	LW-8
SMA6316	K8(A)	MBA-M8	BX0310	BX0820	SP0818	LW-6
SMA6322		MBA-M10		BX1030	SP0818	LW-8
SMA6327	K10(C)	MBA-M12	BX0412	BX1235	SP0818	LW-10
SMA6332		MBA-M16		BX1635	SP0818	LW-14
SMA8016	K8(A)	MBA-M8	BX0310	BX0820	SP1020	LW-6
SMA8022		MBA-M10		BX1030	SP1020	LW-8
SMA8027	K10(C)	MBA-M12	BX0412	BX1235	SP1020	LW-10
SMA8032		MBA-M16		BX1635	SP1020	LW-14
SMA8040	K12	MBA-M20	BX0515	BX2040	SP1020	LW-17



for General Use

通用型刀具系统

경기도 시흥시 정왕동 1257-4,
(시화공단 2다-705)
Shihwa Ind. Zone 2-Da 705, 1257-4,
Jeongwang-dong, Shihung-city,
Kyungki-do, KOREA (429-849)
TEL : (031) 433-1853
FAX: (031) 433-1722
URL : <http://www.dine.co.kr>
E-mail : dine@dine.co.kr

DINE

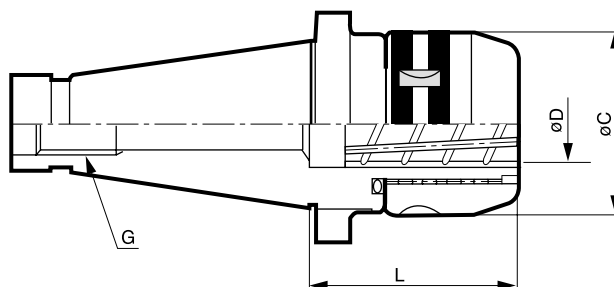
for General Use

通用型刀具系统

DMG	铁削刀柄 (强力型)	Milling Chuck (Heavy Duty)	136
DPS	铁削刀柄 (标准型)	Milling Chuck (Standard)	137
C	直线筒夹	Straight Collet	138
TC	锥面筒夹	Taper Collet	139
DJT	钻夹头	Drill Chuck Arbor	139
SFA	面铣刀夹头	Straight Face Mill Arbor	140
COTTER PIN	沟槽	COTTER PIN	140
DPS(DMG)-A,B	标准铁夹头套件	Standard Milling Chuck Set	141
KAFA	中心测量插入柄	Face Mill Arbor	142
MT-DMG	MT 柄铣削夹头	MT Shank Milling Chuck	143
KCP	面铣刀刀柄	Centering Plug	143
MT-SDC	MT柄小夹头	MT Shank Collet Chuck	144
MT-FMA	MT柄面铣刀刀柄	MT Shank Face Mill Arbor	144



Milling Chuck(Heavy duty) 铁削刀柄 (强力型) DMG type



(M) : Metric / (U) : Inch

Order No.	øD	øC	L	G	kg	Stock
DMG40-20 U(M)	20	57	80	U: U5/8"-11 $\frac{1}{2}$, M: M16	1.9	
40-25 U(M)	25	65	80	U: U5/8"-11 $\frac{1}{2}$, M: M16	3.7	
40-32 U(M)	32	77	80	U: U5/8"-11 $\frac{1}{2}$, M: M16	4.1	●
DMG50-20 U(M)	20	57	90	U: U1" - 8 $\frac{1}{2}$, M: M24	4.8	
50-25 U(M)	25	65	90	U: U1" - 8 $\frac{1}{2}$, M: M24	1.7	
50-32 U(M)	32	77	90	U: U1" - 8 $\frac{1}{2}$, M: M24	1.8	●
50-42 U(M)	42	93	90	U: U1" - 8 $\frac{1}{2}$, M: M24	2.4	●

(mm)

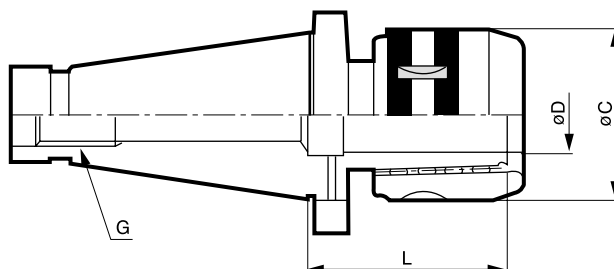
- 완전한 단면 밀착형 타입으로 강력 중절삭에 용이.
- Chuck내부에 나선형 홈과 Slit홈이 있으며, Collet 전품목도 나선형홈을 파서, 절삭공구의 Slip을 방지하고, 파지력을 높임.
- Body의 살 두께는 국내 최대로 측면 강성을 대폭 향상. (8mm)
- Dust Seal을 상하로 삽입하고, 오링을 추가하여 고속에서 Nut의 풀림방지 및 무리한 Clamping방지.
- 밀링척의 열처리개선에 의해 크랙을 방지.
- 고정도 (Clamp body 내경 정도 : 0.005mm이내)
- Collet의 열처리 정도 및 탄성력의 향상으로 장시간 사용에도 정도 및 내구성이 떨어지지 않음.
- Order시 DMG○○-○○(U) 또는 (M) 부분 꼭 기록요망.
- 전용Straight Collet은 CS타입 : 60 page참조/ C 타입 : 138 page참조.
- Taper Collet(TC타입)은 139 page참조.

- 理想的의接触面, 适于重切削
- 内部带有螺旋槽和窄槽防止刀具滑落及增加夹紧力
- (8mm) 刀体厚实, 刚性良好
- 带有密封圈, 可放松及过紧
- 充分的热处理, 减少磨损
- 高精度 (刀体内径精度小于0.005mm)
- 弹簧夹套有较高的硬度和弹性, 确保高精度和长寿命
- 订购时标明 (U)型和(M)型
- 直夹套 (CS型) : 参见 60页 C型 : 参见 138页
- 锥夹套(TC型) : 参见 139页

- Heavy duty cutting power from perfect face contact construction.
- Inside spiral groove and slit groove prevent tool slip and increase powerful clamping force.
- The thickest body improves the side stiffness in great deal.(8mm)
- Preventing relaxation of nut at high speed and over-tightening by inserting dust seal and O-ring.
- Preventing crack by improvement of heat-treatment.
- High accuracy(inner diameter accuracy of clamp body is less than 0.005mm)
- Spring collet assure accuracy and durability for long time usage by improvement of hardness and elasticity
- Order : DMG○○-○○(U) or (M)
- Straight collet - CS type : see page 60. / C type : see page 138.
- Taper Collet(TC type) : see page 139.

	Spare Parts 配件	
	Option 选配件	
	Collet	Spanner
Type		
DMG20	CS20, C20	57-60
DMG25	CS25, C25	68-72
DMG32	CS32, C32	75-79
DMG42	CS42, C42	92-96

Milling Chuck(Standard) 铁削刀柄 (标准) DPS type



(M) : Metric / (U) : Inch

Order No.	øD	øC	L	G	kg	Stock
DPS40-20 U(M)	20	53	75	U: U5/8"-11 $\frac{1}{2}$, M: M16	1.8	
40-32 U(M)	32	68	75	U: U5/8"-11 $\frac{1}{2}$, M: M16	2.0	●
DPS50-32 U(M)	32	68	78	U: U1" - 8 $\frac{1}{2}$, M: M24	4.3	●
50-42 U(M)	42	88	78	U: U1" - 8 $\frac{1}{2}$, M: M24	4.8	●

(mm)

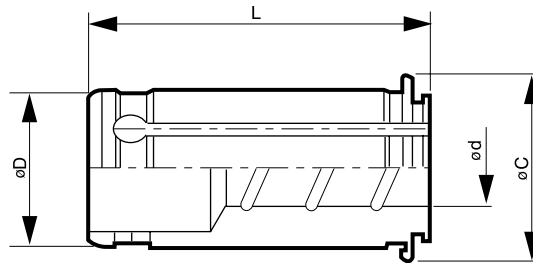
- 사용하기 쉬운 밀링척입니다.
- 최대의 정도유지로 고정도 가공에 적합합니다.
- 콜릿은 강력형 밀링척(DMG)과 공통으로 사용할 수 있음.
- 니들 롤러 방식을 채용하여 구성성이 우수
- Order時 DPS ○○-○○(U)또는 (M) 부분 꼭 기록 요함.
- 전용 Straight Collet 은(C스타입 : 60 page 참조. / C 타입 : 138 page 참조.)
- 테이퍼 Collet (TC 타입)은 139page 참조.

- 适合于精密加工
- 夹套与DMG 刀柄通用
- 采用滚针结构, 保证良好的同心度
- 订购时标明U (英制)或(M)公制
- 直夹套-CS型 : 参见60页./C型 : 参见138页)
- 锥夹套(TC型) : 参见139页

- Facilitating Milling Chuck.
- Best suit for Precision work.
- Collet can be used in common with DMG.
- Due to adopting of niddle roller system, providing excellent concentricity.
- Order : DPS○○-○○ (U) or (M)
- Straight collet - CS type : see page 60. / C type : page 138.
- Taper Collet (TC- type) : see page 139.

Spare Parts 配件		
Type	Option 选配件	
	Collet	Spanner
		
DPS20	CS20, C20	48-52
DPS32	CS32, C32	68-72
DPS42	CS42, C42	80-86

Straight Collet (直线筒夹) C type



Order No.	ϕD	ϕd	ϕC	L	Stock
C 20 - 6 (1/4")	20	6(1/4")	26	55	●
- 8 (5/16")	20	8(5/16")	26	55	●
- 10 (3/8")	20	10(3/8")	26	55	●
- 12 (1/2")	20	12(1/2")	26	55	●
- 16 (5/8")	20	16(5/8")	26	55	●
C 25 - 6 (1/4")	25	6(1/4")	31	62	●
- 8 (5/16")	25	8(5/16")	31	62	●
- 10 (3/8")	25	10(3/8")	31	62	●
- 12 (1/2")	25	12(1/2")	31	62	●
- 16 (5/8")	25	16(5/8")	31	62	●
- 20 (3/4")	25	20(3/4")	31	62	●
C 32 - 6 (1/4")	32	6(1/4")	38	70	●
- 8 (5/16")	32	8(5/16")	38	70	●
- 10 (3/8")	32	10(3/8")	38	70	●
- 12 (1/2")	32	12(1/2")	38	70	●
- 16 (5/8")	32	16(5/8")	38	70	●
- 20 (3/4")	32	20(3/4")	38	70	●
- 25 (1")	32	25(1")	38	70	●
C 42 - 6 (1/4")	42	6(1/4")	48	75	●
- 8 (5/16")	42	8(5/16")	48	75	●
- 10 (3/8")	42	10(3/8")	48	75	●
- 12 (1/2")	42	12(1/2")	48	75	●
- 16 (5/8")	42	16(5/8")	48	75	●
- 20 (3/4")	42	20(3/4")	48	75	●
- 25 (1")	42	25(1")	48	75	●
- 32 (1.1/4")	42	32(1.1/4")	48	75	●

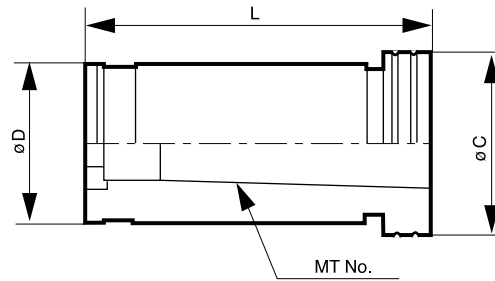
(mm)

• Inch size는 주문제작 합니다.

• 英制规格可定购

• Inch size can be ordered.

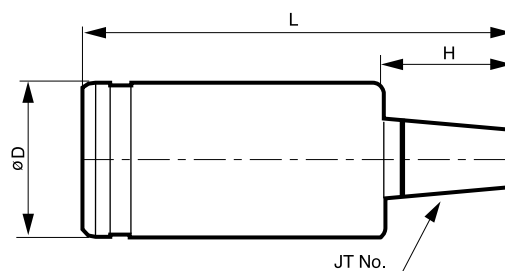
Taper Collet (锥面筒夹) TC type



Order No.	MT No.	øD	øC	L	Stock
TC20-1	MT1	20	26	60	●
20-2	MT2	20	26	72	●
TC25-1	MT1	25	31	60	●
25-2	MT2	25	31	72	●
TC32-1	MT1	32	38	60	●
32-2	MT2	32	38	72	●
32-3	MT3	32	38	90	●
TC42-1	MT1	42	48	60	●
42-2	MT2	42	48	72	●
42-3	MT3	42	48	90	●
42-4	MT4	42	48	112	●

(mm)

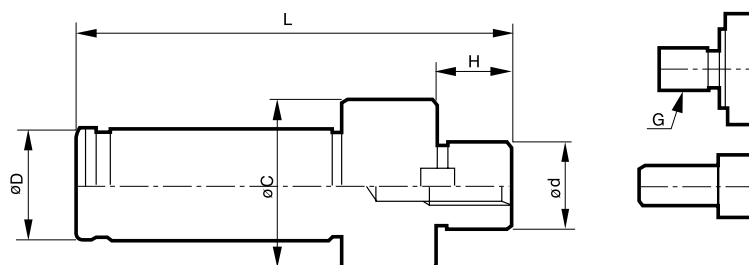
Drill Chuck Arbor (钻夹头) DJT type



Order No.	JT No.	øD	L	H	Stock
DJT 20-1	JT1	20	73	18	●
20-6	JT6	20	83	28	●
DJT 25-1	JT1	25	73	18	●
25-6	JT6	25	83	28	●
DJT 32-1	JT1	32	83	18	●
32-2S	JT2S	32	86	21	●
32-6	JT6	32	93	28	●
DJT 42-1	JT1	42	93	18	●
42-2S	JT2S	42	96	21	●
42-6	JT6	42	103	28	●

(mm)

Straight Facemill Arbor (面铣刀夹头) SFA type



Order No.	Cutter Dia.	øD	ød	øC	L	H	G	Stock
SFA 20-25.4	80	20	25.4	50	114	22	MBA-M12	
20-31.75	100	20	31.75	60	122	30	MBA-M16	
SFA 32-25.4	80	32	25.4	50	126	22	MBA-M12	●
32-31.75	100	32	31.75	60	134	30	MBA-M16	●
SFA 42-25.4	80	42	25.4	50	146	22	MBA-M12	
42-31.75	100	42	31.75	60	154	30	MBA-M16	

(mm)

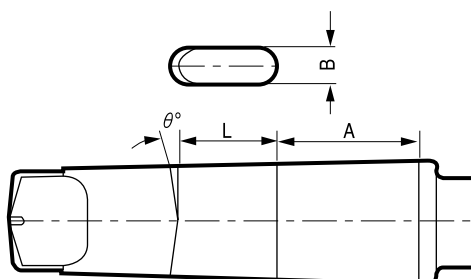
- 밀링척에 끼워 사용이 가능합니다.
- Spare part 는 145page참조.

- DPS 和 DPNS(DMG) 可作为基本柄使用
- 配件参见 145页

- DPS or DPNS(DMG) is used as a basic holder.
- Spare part : see page 145.

Cotter Pin (沟槽)

COTTER PIN



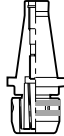
- 대형 Endmill이나 Tapping 등의 중절삭 가공시 추력의 발생으로 툴의 빠짐을 Cotter Pin 박음으로 방지할 수 있음.
- Cotter 구멍 크기는 장비업체에 따라 다르므로 기계 회사명 및 A, B, L 치수를 알려 주십시오.
- 当用大立铣刀或大丝锥进行重切削时, 装有锁紧销可防止掉刀,
- 锁紧销类型与机床制造商有关, 订购时请注明机床制造商和尺寸 A B L
- Mounting cotter pin can protect the tools drop, such as big endmill or tap due to occurring thrust in heavy duty.
- Cotter pin types are different according to machine manufacturer, please point out machine manufacturer and the size of A,B,L when you order.

Taper	Maker	Cotter Pin Code	A	L	B	θ°	Machine
MT4	Kurashiki	-K	2.3	29.5	12.2	5°	RE-1250A YD3-65
	Ooya	-O	10	10	8.2	5°	
	Yoshida	-Y	9	21	12	5°	
MT5	Aoyama	-A	44	40	13	5°	ATB-3 AFB-4
	Okuma	-B	27	41	12.4	5°	
	Ikegai	-I	52	35	13.2	5°	
	Kurashiki	-K	53	35	13.2	5°	
	Nomura	-N	27	38	12.2	8°	
	Shinada	-S	37	37	16	0°	
	Toshiba	-T	50	35	13	0°	
MT6	Daewoo	-D	52	33	13	5°	
	Ikegai	-I	52	45	16.2	5°	
	Kurashiki	-K	54	41	16.3	5°	
	Nomura	-N	27	42	16.2	8°	
	Toshiba	-T	54	40	16.2	0°	
	Daewoo	-D	52	45	16.2	5°	
	Kia	-W	54	41.3	16.2	0°	

(mm)

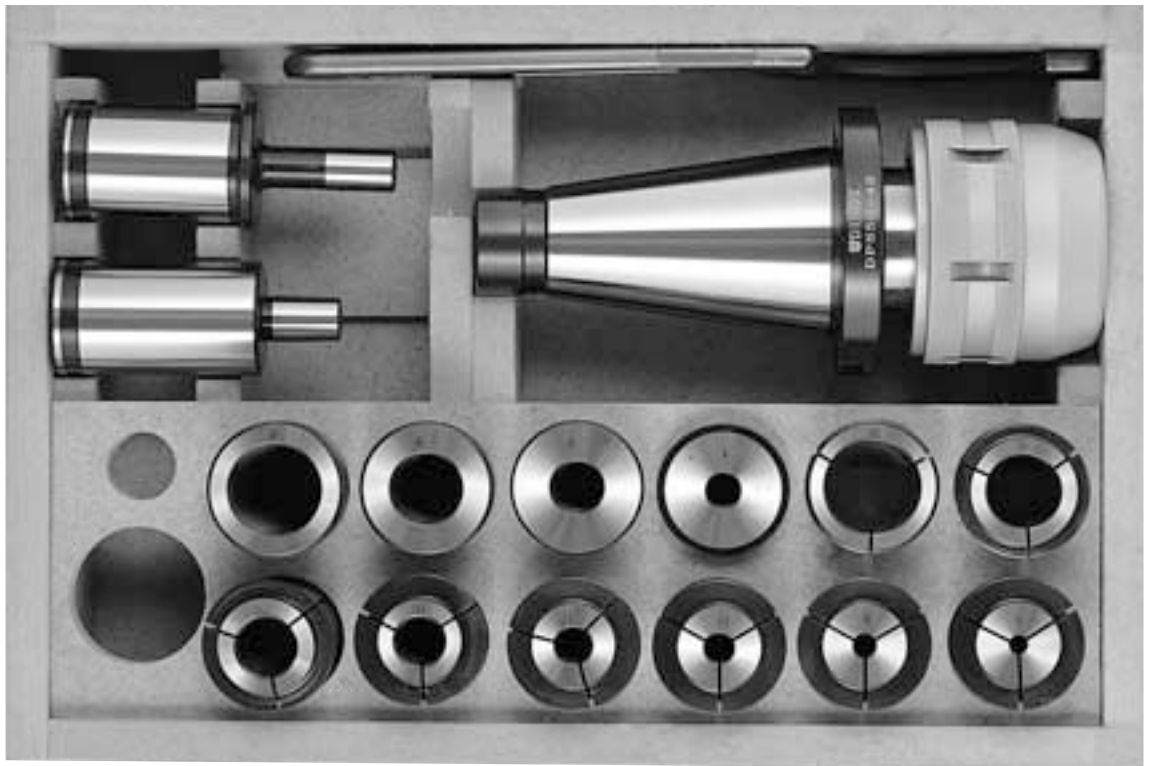
Standard Milling Chuck set(DPS or DMG) (标准铁夹头套件)

DPS/DMG

Order No.	Set	Set Contents				Stock
		Body	Collet	MT Collet	Drill Chuck	
						
DPS(DMG)40-20	A	40-20	C20-6,8,10,12,16	TC20-MT1,2	DJT20-6	
40-20	B					
40-32	A	40-32	C32-6,8,10,12,16,20,25	TC32-MT1,2,3	DJT32-6	●
40-32	B					
DPS(DMG)50-32	A	50-32	C32-6,8,10,12,16,20,25	TC32-MT1,2,3	DJT32-6	●
50-32	B					
50-42	A	50-42	C42-6,8,10,12,16,20,25,32	TC42-MT1,2,3,4	DJT42-6	●
50-42	B					

(mm)

Milling Chuck Set

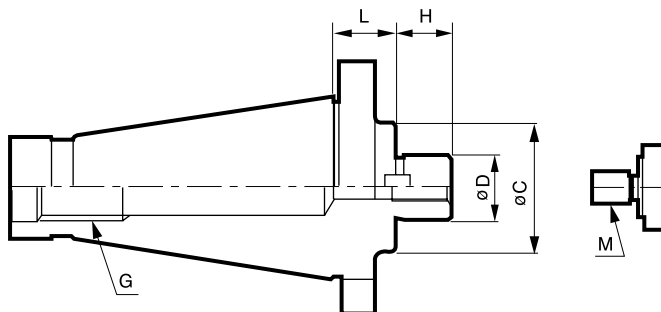


- SFA 를 추가하면 “C” 세트입니다.
- Straght Collet (C 타입은) 60 page참조.
- 테이퍼 Collet (TC타입)은 139 page참조.

- 一套用包装盒
- 直夹套 (C型) : 参见 60 页
- 锥夹套 (TC型) : 参见 139页

- It add SFA, then it becomes “C” set
- Straight Collet (C type) : see page 60.
- Taper Collet (TC type) : see page 139.

Facemill Arbor (面铣刀刀柄) KAFA type



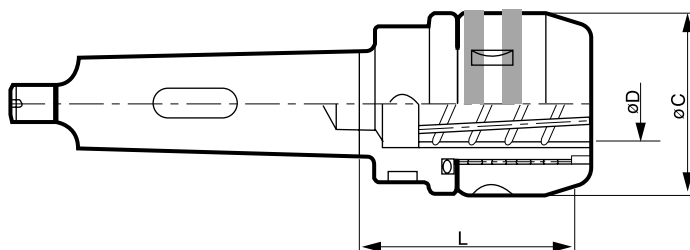
Order No.	Cutter Dia.	øD	øC	L	H	M	G	kg	Stock
KAFA 40-3 U(M)	80 (3")	25.40	60	21.6	22	MBA-M12	U5/8"-11 (M16)	1.2	●
40-4 U(M)	100(4")	31.75	70	24.6	30	MBA-M16	U5/8"-11 (M16)	1.4	●
40-5 U(M)	125(5")	38.10	80	21.6	36	MBA-M20	U5/8"-11 (M16)	2.0	●
40-6 U(M)	160(6")	50.80	98	25.6	36	MBA-M24	U5/8"-11 (M16)	2.9	●
50-3 U(M)	80 (3")	25.40	60	23.2	22	MBA-M12	U1" - 8 (M24)	3.6	●
50-4 U(M)	100(4")	31.75	70	26.2	30	MBA-M16	U1" - 8 (M24)	4.0	●
50-5 U(M)	125(5")	38.10	80	23.2	36	MBA-M20	U1" - 8 (M24)	4.2	●
50-6 U(M)	160(6")	50.80	98	27.2	36	MBA-M24	U1" - 8 (M24)	4.6	●
50-8 U(M)	200(8")	47.625	125	33.2	32		U1" - 8 (M24)	5.4	●

(mm)

Spare Parts 配件					
	Basic 基本				Option 选配件
	Key	Clamp Bolt	Wrench Bolt	Wrench Bolt	Wrench
Type					
3	K9.5(A)	MBA-M12	BX0412	BX1230	LW-10
4	K12.7(D)	MBA-M16	BX0515	-	LW-14
5	K15.9(F)	MBA-M20	BX0615	-	LW-17
6	K19.05(G)	MBA-M24	BX0820	-	LW-19
8	K25.4(H)	-	BX1020	BX1645	-

MT Shank Milling Chuck (MT 柄铁削夹头) MT-DMG type

MT-DMG



Order No.	øD	øC	L	Collet	Stock
MT5-DMG20-80	20	57	80	CS, C20	
DMG25-90	25	65	90	CS, C25	
DMG32-105	32	77	105	CS, C32	
MT6-DMG20-80	20	57	80	CS, C20	
DMG25-80	25	65	80	CS, C25	
DMG32-90	32	77	90	CS, C32	
DMG42-90	42	92	90	CS, C42	

(mm)

	Spare Parts 配件	
	Option 选配件	
	Collet	Spanner
Type		
DMG20	CS20, C20	57-60
DMG25	CS25, C25	68-72
DMG32	CS32, C30	75-79
DMG42	CS42, C42	92-96

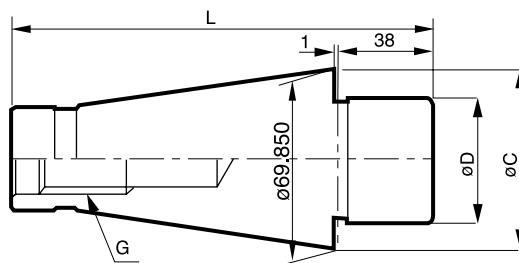
• 전용 Straight collet은 CS 타입 60 page 참조. / C 타입 138 page 참조.

• 直夹套-CS型: 参见60页/C型: 参见138页

• Straight collet -CS type : see page 60. / C type : see page 138.

Centering Plug (中心测量插入柄) KCP type

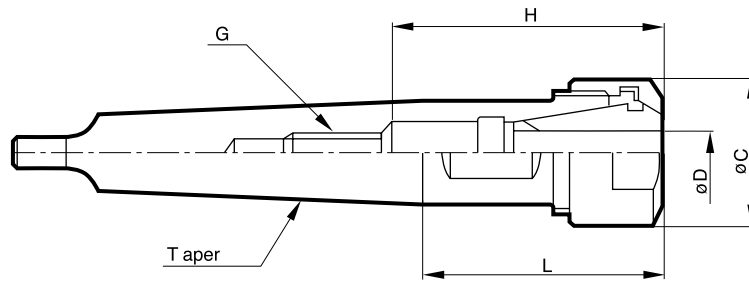
KCP



Order No.	Taper	Cutter Dia.	øD(H6)	øC	L	G	Stock
KCP-8	NT50	200(8"이상)	47.625(60)	69.55	164.00	U1"-8(M24)	●

(mm)

MT Shank Small Chuck (MT 柄小夹头) MT-SDC type

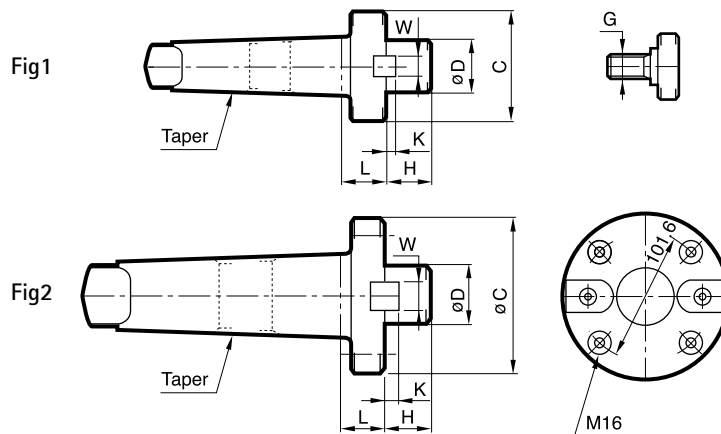


- Collet은 49 page 참조.
- Spare part은 145page참조.
- 夹套参见49页
- 配件参见145页
- Collet : see page 49.
- Spare part : see page 145.

Order No.	øD	Taper	øC	L	H	Collet	G	Stock
MT2-SDC10-45	1.0~10.0	MT2	27	45	55	ER16	M8	
MT4-SDC13-45	1.0~13.0	MT4	35	45	60	ER20	M12	
MT4-SDC20-60	2.0~20.0	MT4	50	60	60	ER32	M16	●
MT5-SDC20-60	2.0~20.0	MT5	50	60	60	ER32	M16	●
MT5-SDC26-60	3.0~26.0	MT5	63	60	70	ER40	M22	
MT6-SDC20-60	2.0~20.0	MT6	50	60	60	ER32	M16	
MT6-SDC26-60	3.0~26.0	MT6	63	60	70	ER40	M22	

(mm)

MT Shank Facemill Arbor (MT 柄面铣刀刀柄) MT-FMA type



Order No.	Cutter Dia.	Fig.	øD(H6)	L	øC	H	W	K	G	Stock
MT5-FMA 25.4	80	1	25.4	21.5	50	22	9.5	5	MBA-M12	
31.75	100	1	31.75	26.5	60	30	12.7	7	MBA-M16	
38.1	125	1	38.1	31.5	80	34	15.9	9	MBA-M20	
50.8	160	1	50.8	31.5	100	36	19.05	10	MBA-M24	
MT6-FMA 25.4	80	1	25.4	20	50	22	9.5	5	MBA-M12	
31.7	100	1	31.75	23	60	30	12.7	7	MBA-M16	
38.1	125	1	38.1	33	80	34	15.9	9	MBA-M20	
50.8	160	1	50.8	33	100	36	19.05	10	MBA-M24	
47.625	200	2	47.625	38	128	38	25.4	12.5	-	

• Spare part은 145page참조.

• 配件参见145页

• Spare part : see page 145.

(mm)

MT Shank Collet Chuck : MT-SDC type

	Spare Parts 配件			
	Basic 基本		Option 选配件	
	Nut	Adjust Screw	Spanner	FER-Collet
Type				
SDC10	RH16	BN0825	32-35	FER-16
SDC13	RH20	BN1225	35-38	FER-20
SDC20	RH32	BN1630	48-52	FER-32
SDC26	RH40	BN2235	62-65	FER-40

MT Shank Facemill Arbor : MT-FMA type

	Spare Parts 配件				
	Basic 基本				Option 选配件
	Key	Clamp Bolt	Wrench Bolt	Wrench Bolt	Wrench
Type					
FMA25.4	K9.5(B)	MBA-M12	BX0412	BX1230	LW-10
FMA31.75	K12.7(D)	MBA-M16	BX0515	-	LW-14
FMA38.1	K15.9(F)	MBA-M20	BX0615	-	LW-17
FMA50.8	K19.05(G)	MBA-M24	BX0820	-	LW-19
FMA47.625	K25.4(H)	-	BX1020	BX1645	-

Straight Facemill Arbor : SFA type

	Spare Parts 配件				
	Basic 基本				Option 选配件
	Key	Clamp Bolt	Wrench Bolt	Wrench Bolt	Wrench
Type					
SFA25.4	K9.5(B)	MBA-M12	BX0412	BX1230	LW-10
SFA31.75	K12.7(D)	MBA-M16	BX0515	-	LW-14