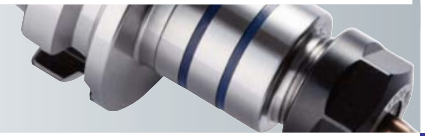


ENDMILL COLLET CHUCK



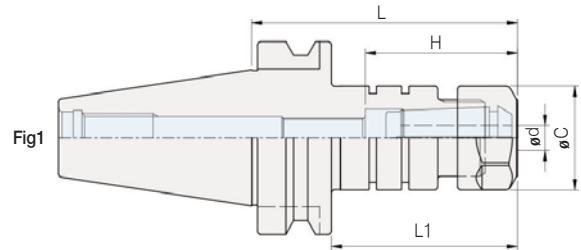
Coolant-through hole

Clamping Range : $\phi 6.0 \sim \phi 20.0$



CODE No.

GBT50 SE25 105
Shank SE collet Size Length



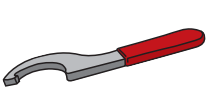
GBT SHANK
ENDMILL COLLET CHUCK

PRODUCT INFORMATION

- SE척 전용 콜릿 사용
- ENDMILL 전용 COLLET CHUCK
- 4도 TAPER의 강력한 파지력
- $5\mu m$ at 4D (T.I.R) (Max G2.5 at 20,000 rpm)
- Please use dedicated collet for SE COLLET CHUCK
- SE COLLET CHUCK for dedicated ENDMILL
- Strong Clamping Power of 4 degree TAPER
- $5\mu m$ at 4D (T.I.R) (Max G2.5 at 20,000 rpm)

CODE NO.	ϕd	ϕC	H	L	L1	Collet	Weight (kg)	Fig
GBT40 - SE20 - 90	6,8,10,12	34	40,5	90	63	SE20	1	1
SE25 - 90	6,8,10,12,16	42	48			SE25	1,4	
SE32 - 90	6,8,10,12,16,20	50	58			SE32	1,5	
GBT50 - SE20 - 105	6,8,10,12	34	40,5	105	67	SE20	1,6	
- 135				135	97		2	
- 165				165	127		2,4	
SE25 - 105	6,8,10,12,16	42	48	105	67	SE25	4,4	
- 135				135	97		4,8	
- 165				165	127		4,9	
SE32 - 105	6,8,10,12,16,20	50	58	105	67	SE32	5,7	
- 135				135	97		6,5	
- 165				165	127		5,5	

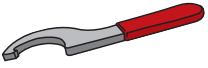
Spare Parts

Type	Option			
	NUT	Adjust Screw	Spanner	SE Collet
SE20				
SE20	UM/SE20(HEXA)	BTD1325-C	SE20-SP	SE20- ϕ
SE25	UX/SE25	BTD1830-C	SE25-SP	SE25- ϕ
SE32	UX/SE32	BTD2230-C	SE32-SP	SE32- ϕ

- ▶ SE NUT와 ER NUT은 호환성이 있으나 SE너트로 별도 구매 바랍니다. (ER NUT를 SE CHUCK에 사용을 금지합니다.)
- ▶ 스패너는 별도 구매 입니다.
- ▶ SE콜릿은 P147
- ▶ Nut has compatible with SE NUT and ER NUT. But Please order separately when you need NUT. (Prohibit that SE CHUCK use ER NUT)
- ▶ Spanner is ordered separately
- ▶ SE COLLET is referred. P147

ER COLLET CHUCK

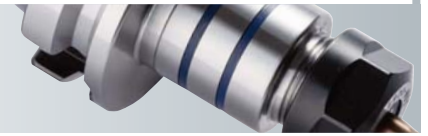
Code No.	ød	L	L1	øC	C1	H		Collet	Fig	Weight (kg)
						Min	Max			
BT50 - ER11 - 75	0,5~7,0	75	34	19	-	19	34	ER11	1	3,6
- 105		105	62		-					3,7
- 135		135	61		32				2	3,8
- 165		165			35					4,0
ER16 - 75	0,5~10,0	75	34	28	-	28	43	ER16	1	3,8
- 105		105	62		-					4,0
- 135		135	70		32				2	4,1
- 165		165	77		36					4,2
- 180		180			38					4,4
ER20 - 75		1,0~13,0	75		34					35
- 105	105		62	-	3,9					
- 135	135		92	-	4,1					
- 165	165		87	40	2	4,5				
- 180	180			44		4,6				
- 200	200		162	-	1	4,8				
- 250	250		212			5,1				
- 300	300		262			5,2				
ER25 - 75	1,0~16,0	75	34	42	-	42	54	ER25	1	3,9
- 105		105	62		-					4,1
- 135		135	92		-					4,3
- 165		165	90		50				2	4,4
- 180		180			-					4,6
- 200		200	162		-				1	5,0
- 250		250	212							6,0
- 300		300	262							6,7
- 350		350	342							7,0
ER32 - 75	2,0~20,0	75	32	50		-	50	60		ER32
- 105		105	62		-	4,3				
- 135		135	92		-	4,9				
- 165		165	122		-	5,0				
- 180		180	137		-	5,3				
- 200		200	162		-	5,6				
- 250		250	212		-	6,5				
- 300		300	262		-	7,2				
- 350		350	342		-	8,0				
ER40 - 75	3,0~26,0	75	34	63	-	63	80	ER40	1	5,6
- 105		105	62		-					6,5
- 135		135	92		-					7,2
- 165		165	122		-					8,0

Spare Parts				
Type	Option			
	NUT	Adjust Screw	Spanner	ER Collet
				
ER11	UM/ER11(HEXA)	BTD0716-C	ER11-SP	ER11-ø
ER16	UM/ER16(HEXA)	BTD1025-C	ER16-SP	ER16-ø
ER20	UM/ER20(HEXA)	BTD1325-C	ER20-SP	ER20-ø
ER25	UX/ER25	BTD1830-C	ER25-SP	ER25-ø
ER32	UX/ER32	BTD2230-C	ER32-SP	ER32-ø
ER40	UX/ER40	BTD2838-C	ER40-SP	ER40-ø

- ▶ 내부급유 사용시에는 방수형콜릿이나 방수형 너트를 사용 해주십시오.
- ▶ ER콜릿은 P146
- ▶ 스페너는 별매입니다. P157
- ▶ 고속 바란스 작업시 추가 비용이 청구됩니다.
- ▶ ER척 스페어 파트는 P56

- ▶ Please use waterproof collet and waterproof nut for operating centre through coolant type.
- ▶ ER COLLET is referred, P16
- ▶ Spanner is ordered separately. P157
- ▶ Extra charge for high speed balance.
- ▶ The spare parts for ER CHCUK are referred. P56

ENDMILL COLLET CHUCK



Coolant-through hole

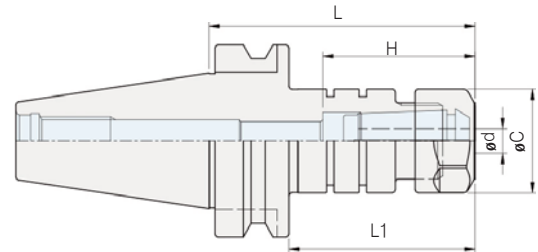
Clamping Range : $\phi 6.0 \sim \phi 20.0$

CODE No.

BT50	SE25	105
Shank	SE collet Size	Length



Fig1



PRODUCT INFORMATION

- SE척 전용 콜릿 사용
- ENDMILL 전용 COLLET CHUCK
- 4도 TAPER의 강력한 파지력
- $5\mu\text{m}$ at 4D (T.I.R) (Max G2.5 at 20,000 rpm)
- Please use dedicated collet for SE COLLET CHUCK
- SE COLLET CHUCK for dedicated ENDMILL
- Strong Clamping Power of 4 degree TAPER
- $5\mu\text{m}$ at 4D (T.I.R) (Max G2.5 at 20,000 rpm)

CODE NO.	ϕd	ϕC	H	L	L1	Collet	Weight (kg)	Fig
BT40 - SE20 - 90	6,8,10,12	34	40,5	90	63	SE20	1	1
SE25 - 90	6,8,10,12,16	42	48			SE25	1,4	
SE32 - 90	6,8,10,12,16,20	50	58			SE32	1,5	
BT50 - SE20 - 105	6,8,10,12	34	40,5	105	67	SE20	1,6	
- 135				135	97		2	
- 165				165	127		2,4	
SE25 - 105	6,8,10,12,16	42	48	105	67	SE25	4,4	
- 135				135	97		4,8	
- 165				165	127		4,9	
SE32 - 105	6,8,10,12,16,20	50	58	105	67	SE32	5,7	
- 135				135	97		6,5	
- 165				165	127		5,5	

Spare Parts				
Type	Option			
	NUT	Adjust Screw	Spanner	SE Collet
SE20	UM/SE20(HEXA)	BTD1325-C	SE20-SP	SE20- ϕ
SE25	UX/SE25	BTD1830-C	SE25-SP	SE25- ϕ
SE32	UX/SE32	BTD2230-C	SE32-SP	SE32- ϕ

- ▶ SE NUT와 ER NUT은 호환성이 있으나 SE너트로 별도 구매 바랍니다. (ER NUT를 SE CHUCK에 사용을 금지합니다.)
- ▶ 스패너는 별도 구매 입니다.
- ▶ SE콜릿은 P147
- ▶ Nut has compatible with SE NUT and ER NUT. But Please order separately when you need NUT. (Prohibit that SE CHUCK use ER NUT)
- ▶ Spanner is ordered separately
- ▶ SE COLLET is referred. P147

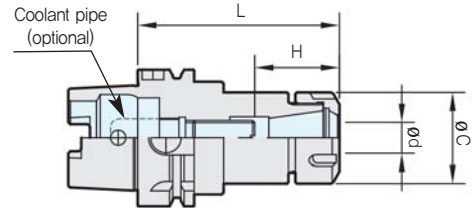
ER COLLET CHUCK

Coolant-through hole

Clamping Range : $\phi 0.5 \sim \phi 26.0$

CODE No.

HSK63A **ER16** **95**
Shank ER Collet Size Length



PRODUCT INFORMATION

- 안정적인 정밀도와 파지력
- 쉽고 빠른 공구교환
- 드릴, 엔드밀, 탭 다양한 사용범위

- Reliable accuracy and Powerful clamping force.
- Easy and quick tool exchange.
- ER COLLET CHUCK is suitable for a various operation using drill, endmill, tap.

Code No.	ϕd	L	ϕC	H		Collet	Weight (kg)
				Min	Max		
HSK50A - ER11 - 75	0.5 ~ 7.0	75	19	19	34	ER11	0.5
ER16 - 90	0.5 ~ 10.0	90	28	23	43	ER16	0.6
ER20 - 95	1.0 ~ 13.0	95	35	25	48	ER20	0.7
ER25 - 100	1.0 ~ 16.0	100	42	34	54	ER25	0.8
ER32 - 105	2.0 ~ 20.0	105	50	40	60	ER32	0.9
HSK63A - ER11 - 80	0.5 ~ 7.0	80	19	19	34	ER11	0.8
ER16 - 95	0.5 ~ 10.0	95	28	23	43	ER16	1.0
ER20 - 100	1.0 ~ 13.0	100	35	25	48	ER20	1.1
ER25 - 105	1.0 ~ 16.0	105	42	34	54	ER25	1.2
ER32 - 110	2.0 ~ 20.0	110	50	40	60	ER32	1.4
ER40 - 120	3.0 ~ 26.0	120	63	50	80	ER40	1.8
HSK100A - ER11 - 85	0.5 ~ 7.0	85	19	19	34	ER11	2.4
ER16 - 95	0.5 ~ 10.0	95	28	23	43	ER16	2.7
ER20 - 105	1.0 ~ 13.0	105	35	25	48	ER20	3.0
ER25 - 110	1.0 ~ 16.0	110	42	34	54	ER25	3.2
ER32 - 120	2.0 ~ 20.0	120	50	40	60	ER32	3.4
ER40 - 130	3.0 ~ 26.0	130	63	50	80	ER40	3.6

Spare Parts

Type	Option			
	NUT	Adjust Screw	Spanner	ER Collet
ER11	UM/ER11(HEXA)	BTD0716-C	ER11-SP	ER11- ϕ
ER16	UM/ER16(HEXA)	BTD1025-C	ER16-SP	ER16- ϕ
ER20	UM/ER20(HEXA)	BTD1325-C	ER20-SP	ER20- ϕ
ER25	UX/ER25	BTD1830-C	ER25-SP	ER25- ϕ
ER32	UX/ER32	BTD2230-C	ER32-SP	ER32- ϕ
ER40	UX/ER40	BTD2838-C	ER40-SP	ER40- ϕ

- ▶ 내부급유 사용시에는 방수형콜릿이나 방수형 너트를 사용 해주십시오.
- ▶ ER콜릿은 **P146**
- ▶ 스패너는 별매입니다. **P157**
- ▶ 고속 밸런스 작업시 추가 비용이 청구됩니다.
- ▶ ER척 스페어 파트는 **P56**
- ▶ 내부급유 콜릿 파이프는 **P100**
- ▶ Please use waterproof collet and waterproof nut for operating centre through coolant type.
- ▶ ER COLLET is referred. **P46**
- ▶ Spanner is ordered separately. **P157**
- ▶ Extra charge for high speed balance.
- ▶ The spare parts for ER CHCOK are referred. **P56**
- ▶ The Coolant pipe are referred. **P100**

ENDMILL COLLET CHUCK



Coolant-through hole

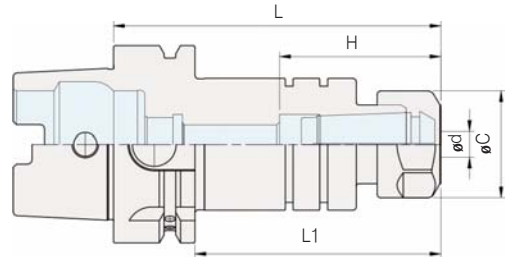
Clamping Range : $\phi 6.0 \sim \phi 20.0$

CODE No.

HSK63A SE25 105
Shank SE collet Size Length



Fig1



PRODUCT INFORMATION

- SE척 전용 콜릿 사용
- ENDMILL 전용 COLLET CHUCK
- 4도 TAPER의 강력한 파지력
- 5 μ m at 4D (T.I.R) (Max G2.5 at 20,000 rpm)
- Please use dedicated collet for SE COLLET CHUCK
- SE COLLET CHUCK for dedicated ENDMILL
- Strong Clamping Power of 4 degree TAPER
- 5 μ m at 4D (T.I.R) (Max G2.5 at 20,000 rpm)

CODE NO.	ϕd	ϕC	H	L	L1	Collet	Weight (kg)	Fig
HSK63A - SE20 - 100	6,8,10,12	34	40,5	100	74	SE20	1,2	1
HSK63A - SE25 - 105	6,8,10,12,16	42	48	105	79	SE25	1,4	
HSK63A - SE32 - 110	6,8,10,12,16,20	50	58	110	84	SE32	1,6	
HSK100A - SE20 - 105	6,8,10,12	34	40,5	100	74	SE20	2,3	
HSK100A - SE25 - 110	6,8,10,12,16	42	48	105	79	SE25	2,5	
HSK100A - SE32 - 120	6,8,10,12,16,20	50	58	110	84	SE32	2,7	

Spare Parts				
Type	Option			
	NUT	Adjust Screw	Spanner	SE Collet
SE20	UM/SE20(HEXA)	BTD1325-C	SE20-SP	SE20- ϕ
SE25	UX/SE25	BTD1830-C	SE25-SP	SE25- ϕ
SE32	UX/SE32	BTD2230-C	SE32-SP	SE32- ϕ

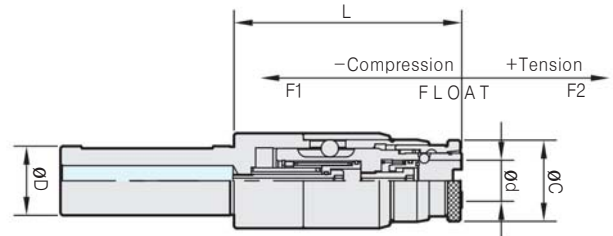
- SE NUT와 ER NUT은 호환성이 있으나 SE너트로 별도 구매 바랍니다. (ER NUT를 SE CHUCK에 사용을 금지합니다.)
- 스페너는 별도 구매 입니다.
- SE콜릿은 P147
- Nut has compatible with SE NUT and ER NUT. But Please order separately when you need NUT. (Prohibit that SE CHUCK use ER NUT)
- Spanner is ordered separately
- SE COLLET is referred. P147

STRAIGHT TAPPING CHUCK

Tapping Range : M3 ~ M24

CODE No.

ST32	TCH22	165
Shank	MAX Tapping	Length



PRODUCT INFORMATION

- 플로팅 타입으로 인장수축 장치 내장
- 공구교환이 빠르고 편리함
- 관통구멍과 막힌구멍의 tapping 및 모든 tap 작업 가능
- The tapping chuck is equipped with tension system by floating type.
- Easy and quick tool exchange.
- It is possible for tapping operation of blind hole and through hole.

Code No.	Ød	L	ØC	ØD	L1		Weight (kg)
					F1	F2	
ST32- TCH12- 125	19	100	35	32	6	12	1.4
TCH22- 165	31	130	52		10	15	1.8
ST40- TCH12- 120	19	95	35	40	6	12	2.2
TCH22 - 160	31	125	52		10	15	2.4
ST42- TCH12- 120	19	95	35	42	6	12	2.8
TCH22 - 160	31	125	52		10	15	3.0

▶ 적용 탭콜릿은 P149

▶ Private tap collets are referred. P149

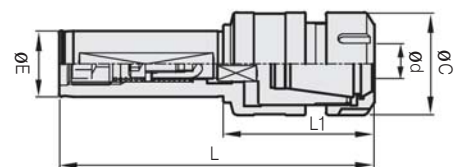
FLOATING ER TAP CHUCK

Clamping Range : Ø0.5 ~ Ø20.0

※ CNC 선반 TAP작업시 능력 UP!!

CODE No.

ST40	FTER32	85
Shank	ER Collet Size	Length



PRODUCT INFORMATION

- 플로팅 타입으로 탭 파손 방지
- Prevent the tap from breaking by frotting type.

Code No.	Ød	ØC	L	L1	Collet	ØE	Weight (kg)
ST32 - FTER16 - 65	0.5~10.0	23	145	65	ER16	32	2.0
ST40 - FTER32 - 85	2.0~20.0	50	165	85	ER32	40	2.8

- ▶ CNC 선반 에서 탭작업가능
- ▶ SLA, MC척에 사용가능 합니다.
- ▶ ER콜릿은 P146
- ▶ 스패너는 별매입니다. P157

- ▶ It can do tapping operation at the CNC lathe.
- ▶ It can use with SIDE LOCK ARBOR and MILLING CHUCK.
- ▶ ER COLLET is referred. P146
- ▶ Spanner is ordered separately. P157

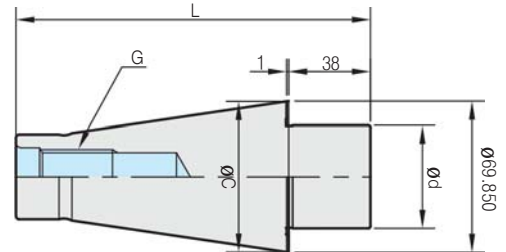
CENTERING PLUG

CODE No.

NT50**CP8(47.625)**

Shank

Chucking Dia



Code No.	ød	Cutter Dia	L	øC	G
NT50 - CP8(47.625)	47.625	200	164	69.56	UNC1"-8
CP8(60)	60				M24X3

BLANK TOOL

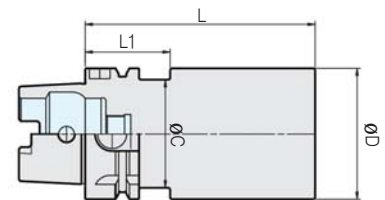
CODE No.

HSK63A**BLK63****150**

Shank

Dia

Length



Code No.	øD	øC	L	L1
HSK40A - BLK42 - 180	42	34	180	35
HSK50A - BLK52 - 200	52	42	200	42
HSK63A - BLK63 - 150	63	52	150	42
- 250			250	
BLK82 - 200			200	
HSK100A - BLK 102 - 150	102	85	150	45
- 250			250	
BLK 126 - 200			200	
BT30 - BLK48 - 180	48	44	180	30
BT40 - BLK63 - 150	63	61	150	35
- 250			250	
BLK82 - 200			200	
BT50 - BLK102 - 150	102	98	150	48
- 250			250	
BLK126 - 200			200	

- ▶ 상크부와 테이퍼부의 열처리 경도를 블랭크툴의 특성 및 용도에 맞게 제작되었습니다.
- ▶ 스페셜 Size 주문제작

- ▶ The blank tool has a compatible hardness for use and feature of blank tool.
- ▶ The special size is order-made.

TOOL SETTING STAND

CODE No.

BT50**TSS**

Tool setting stand
Shank

PRODUCT INFORMATION

- 45형으로 편리한 사용
- HSK용 수직형 타입
- Easy to use by 45type.
- The vertical type for HSK.

Code No.	Taper	Angle type
BT 30 - TSS	BT30	45 °
BT 40 - TSS	BT40	45 °
BT 50 - TSS	BT50	45 °
HSK 50 - TSS	HSK50	90 °(VERTICAL)
HSK 63 - TSS	HSK63	90 °(VERTICAL)
HSK100 - TSS	HSK100	90 °(VERTICAL)

UNIVERSAL MAGNETIC BASE

CODE No.

UMB**340**

Length
Universal magnetic base

**PRODUCT INFORMATION**

- 편리한 조작과 수평길이 340mm의 긴 측정범위
- 강력한 마그네틱 베이스로 완전고정
- 클램프 다이얼 하나로 관절부 완벽고정 흔들림 없음.
- 다이얼 인디케이터는 별도구매
- Easy to use and have a long measuring range that is 340mm.
- Complete fix by powerful magnetic base.
- It is possible to fix axial joint just only fastening the clamp dial.
- The dial indicator is not included.

Code No.	Holding Power	BASE SIZE			Arm Length	Weight (kg)
		L	W	H		
UMB-34	80KG	60	50	55	340mm	1.5