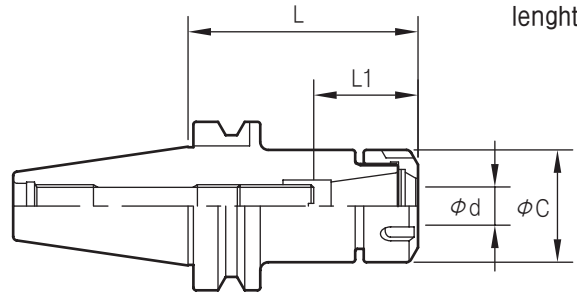
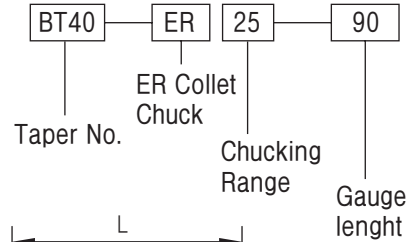


ER COLLET CHUCK



Ordering Example



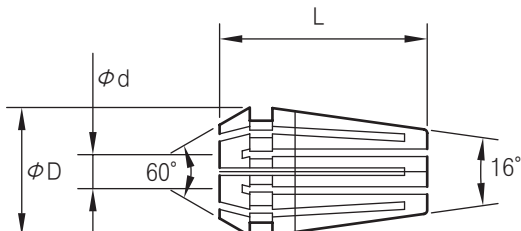
*. 전세계의 기준 ER COLLET CHUCK !!!
 *. D.S.P 만의 연삭가공 기술 !!!

Taper No.	Code No.	φd	L	φC	L1		Collet	Collet (kg)	Stock
					Min	Max			
BT30	BT30-ER11- 70	0.5~7.0	70	19	19	34	ER11		<input type="checkbox"/>
	BT30-ER11-100		100						<input type="checkbox"/>
	BT30-ER16- 70	0.5~10.0	70	32	23	43	ER16		<input checked="" type="checkbox"/>
	BT30-ER16-100		100						<input checked="" type="checkbox"/>
	BT30-ER20- 80	0.5~13.0	80	35	25	48	ER20		<input checked="" type="checkbox"/>
	BT30-ER20-100		100						<input checked="" type="checkbox"/>
	BT30-ER25- 70	0.5~16.0	70	42	34	54	ER25		<input checked="" type="checkbox"/>
	BT30-ER25-100		100						<input checked="" type="checkbox"/>
	BT30-ER32- 60	1.0~20.0	60	50	40	60	ER32		<input checked="" type="checkbox"/>
BT30-ER32- 90	90		<input checked="" type="checkbox"/>						
BT40	BT40-ER11- 60	0.5~7.0	60	19	19	34	ER11		<input type="checkbox"/>
	BT40-ER11- 90		90						<input type="checkbox"/>
	BT40-ER11-120		120						<input type="checkbox"/>
	BT40-ER16- 60	0.5~10.0	60	32	23	43	ER16		<input checked="" type="checkbox"/>
	BT40-ER16- 90		90						<input checked="" type="checkbox"/>
	BT40-ER16-120		120						<input checked="" type="checkbox"/>
	BT40-ER16-150		150						<input type="checkbox"/>
	BT40-ER20- 60	0.5~13.0	60	35	25	48	ER20		<input checked="" type="checkbox"/>
	BT40-ER20- 90		90						<input checked="" type="checkbox"/>
	BT40-ER20-120		120						<input checked="" type="checkbox"/>
	BT40-ER20-150		150						<input type="checkbox"/>
	BT40-ER25- 60	0.5~16.0	60	42	34	54	ER25		<input checked="" type="checkbox"/>
	BT40-ER25- 90		90						<input checked="" type="checkbox"/>
	BT40-ER25-120		120						<input checked="" type="checkbox"/>
	BT40-ER25-150		150						<input type="checkbox"/>
	BT40-ER32- 60	1.0~20.0	60	50	40	60	ER32		<input checked="" type="checkbox"/>
	BT40-ER32- 90		90						<input checked="" type="checkbox"/>
	BT40-ER32-120		120						<input checked="" type="checkbox"/>
	BT40-ER32-150		150						<input type="checkbox"/>
	BT40-ER40- 90	2.0~26.0	90	63	50	80	ER40		<input checked="" type="checkbox"/>
	BT40-ER40-120		120						<input checked="" type="checkbox"/>
BT40-ER40-150	150		<input type="checkbox"/>						

Taper No.	Code No.	ϕd	L	ϕC	L1		Collet	Weight (kg)	Stock
					Min	Max			
BT50	BT50-ER11- 90	0.5~7.0	90	19	19	34	ER11		<input type="checkbox"/>
	BT50-ER11-105		105						<input type="checkbox"/>
	BT50-ER11-135		135						<input type="checkbox"/>
	BT50-ER11-165		165						<input type="checkbox"/>
	BT50-ER16- 90	0.5~10.0	90	32	23	43	ER16		<input type="checkbox"/>
	BT50-ER16-105		105						<input checked="" type="checkbox"/>
	BT50-ER16-135		135						<input checked="" type="checkbox"/>
	BT50-ER16-165		165						<input checked="" type="checkbox"/>
	BT50-ER20- 90	0.5~13.0	90	35	25	48	ER20		<input type="checkbox"/>
	BT50-ER20-105		105						<input checked="" type="checkbox"/>
	BT50-ER20-135		135						<input checked="" type="checkbox"/>
	BT50-ER20-165		165						<input checked="" type="checkbox"/>
	BT50-ER25- 90	0.5~16.0	90	42	34	54	ER25		<input type="checkbox"/>
	BT50-ER25-105		105						<input checked="" type="checkbox"/>
	BT50-ER25-135		135						<input checked="" type="checkbox"/>
	BT50-ER25-165		165						<input checked="" type="checkbox"/>
	BT50-ER32- 90	1.0~20.0	90	50	40	60	ER32		<input type="checkbox"/>
	BT50-ER32-105		105						<input checked="" type="checkbox"/>
	BT50-ER32-135		135						<input checked="" type="checkbox"/>
	BT50-ER32-165		165						<input checked="" type="checkbox"/>
BT50-ER40- 90	2.0~26.0	90	63	50	80	ER40		<input type="checkbox"/>	
BT50-ER40-105		105						<input checked="" type="checkbox"/>	
BT50-ER40-135		135						<input checked="" type="checkbox"/>	
BT50-ER40-165		165						<input checked="" type="checkbox"/>	

- *. ER COLLET CHUCK 은 Machining Center Base Tool Holder입니다.
- *. 드릴, 엔드밀, 리머, 탭 작업등 다양한 작업이 가능합니다.
- *. ER COLLET CHUCK는 공구 착탈이 용이 합니다.
- *. S/T SILM COLLET CHUCK은 PAGE.81 참조하시기 바랍니다.
- *. 스패너는 별매입니다. ER11SP, ER16SP, ER20SP,ER25SP,ER32SP,ER40SP
- *. DSP에서는 ER COLLET를 공급하지 않습니다.

Dimension

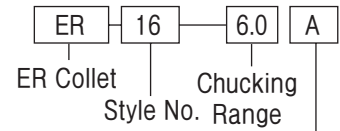


Taper No	Range	ϕd	L
ER11- $\phi 1.0 \sim 7.0$	0.5	11.5	17.0
ER16- $\phi 1.0 \sim 10.0$	0.5	17.0	27.5
ER20- $\phi 1.0 \sim 13.0$	0.5	21.0	31.5
ER25- $\phi 2.0 \sim 16.0$	1.0	26.0	34.0
ER32- $\phi 2.0 \sim 20.0$	1.0	33.0	40.0
ER40- $\phi 3.0 \sim 26.0$	1.0	41.0	46.0

ER COLLET



Ordering Example



None:standard
P:precision

Style	Code No.	Range
ER11	ER11-1.0	0.5~1.0
	ER11-1.5	1.0~1.5
	ER11-2.0	1.5~2.0
	ER11-2.5	2.0~2.5
	ER11-3.0	2.5~3.0
	ER11-3.5	3.0~3.5
	ER11-4.0	3.5~4.0
	ER11-4.5	4.0~4.5
	ER11-5.0	4.5~5.0
	ER11-5.5	5.0~5.5
	ER11-6.0	5.5~6.0
	ER11-6.5	6.0~6.5
ER11-7.0	6.5~7.0	

ER16	ER16-1.0	0.5~1.0
	ER16-2.0	1.0~2.0
	ER16-3.0	2.0~3.0
	ER16-4.0	3.0~4.0
	ER16-5.0	4.0~5.0
	ER16-6.0	5.0~6.0
	ER16-7.0	6.0~7.0
	ER16-8.0	7.0~8.0
	ER16-9.0	8.0~9.0
	ER16-10.0	9.0~10.0

ER20	ER20-2.0	1.0~2.0
	ER20-3.0	2.0~3.0
	ER20-4.0	3.0~4.0
	ER20-5.0	4.0~5.0
	ER20-6.0	5.0~6.0
	ER20-7.0	6.0~7.0
	ER20-8.0	7.0~8.0
	ER20-9.0	8.0~9.0
	ER20-10.0	9.0~10.0
	ER20-11.0	10.0~11.0
	ER20-12.0	11.0~12.0
	ER20-13.0	12.0~13.0

Style	Code No.	Range
ER25	ER25-2.0	1.0~2.0
	ER25-3.0	2.0~3.0
	ER25-4.0	3.0~4.0
	ER25-5.0	4.0~5.0
	ER25-6.0	5.0~6.0
	ER25-7.0	6.0~7.0
	ER25-8.0	7.0~8.0
	ER25-9.0	8.0~9.0
	ER25-10.0	9.0~10.0
	ER25-11.5	10.0~11.0
	ER25-12.0	11.0~12.0
	ER25-13.0	12.0~13.0
	ER25-14.0	13.0~14.0
	ER25-15.0	14.0~15.0
	ER25-16.0	15.0~16.0

ER32	ER32-3.0	2.0~3.0
	ER32-4.0	3.0~4.0
	ER32-5.0	4.0~5.0
	ER32-6.0	5.0~6.0
	ER32-7.0	6.0~7.0
	ER32-8.0	7.0~8.0
	ER32-9.0	8.0~9.0
	ER32-10.0	9.0~10.0
	ER32-11.0	10.0~11.0
	ER32-12.0	11.0~12.0
	ER32-13.0	12.0~13.0
	ER32-14.0	13.0~14.0
	ER32-15.0	14.0~15.0
	ER32-16.0	15.0~16.0
	ER32-17.0	16.0~17.0
ER32-18.0	17.0~18.0	
ER32-19.0	18.0~19.0	
ER32-20.0	19.0~20.0	

Style	Code No.	Range
ER40	ER40-4.0	3.0~4.0
	ER40-5.0	4.0~5.0
	ER40-6.0	5.0~6.0
	ER40-7.0	6.0~7.0
	ER40-8.0	7.0~8.0
	ER40-9.0	8.0~9.0
	ER40-10.0	9.0~10.0
	ER40-11.0	10.0~11.0
	ER40-12.0	11.0~12.0
	ER40-13.0	12.0~13.0
	ER40-14.0	13.0~14.0
	ER40-15.0	14.0~15.0
	ER40-16.0	15.0~16.0
	ER40-17.0	16.0~17.0
	ER40-18.0	17.0~18.0
	ER40-19.0	18.0~19.0
	ER40-20.0	19.0~20.0
	ER40-21.0	20.0~21.0
	ER40-22.0	21.0~22.0
	ER40-23.0	22.0~23.0
	ER40-24.0	23.0~24.0
ER40-25.0	24.0~25.0	
ER40-26.0	25.0~26.0	

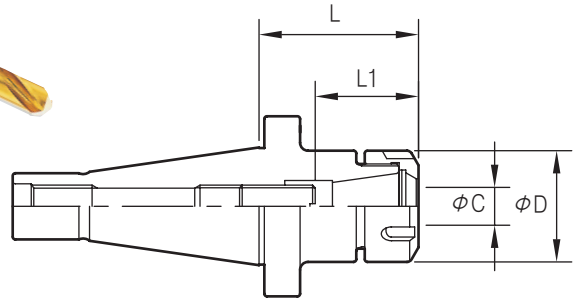
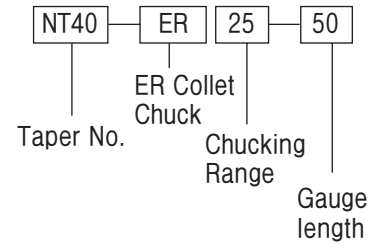
Collet set

Order No.	Clamping Range	Pcs
ER11-Set	1.5~7.0	12
ER16-Set	1.0~10.0	10
ER20-Set	2.0~13.0	12
ER25-Set	2.0~16.0	15
ER32-Set	3.0~20.0	18
ER40-Set	6.0~26.0	21

ER COLLET CHUCK



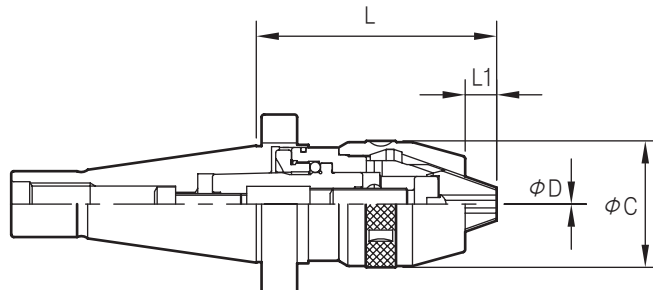
Ordering Example



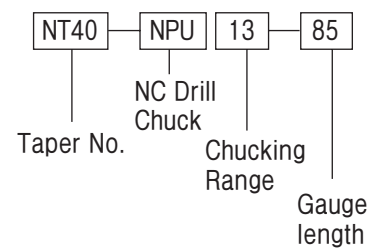
- *. 범용성으로 다양한 가공 가능 (엔드밀, 탭, 리머, 드릴 등)
- *. 테스트바 4D 선단으로 부터 정도 (RUN-OUT) 10 μ m 이내.

Taper No.	Code No.	ϕd	L	ϕC	L1		Collet	Weight (kg)	Stock
					Min	Max			
NT40	NT40-ER16-40	0.5~10.0	40	32	23	43	ER16		<input type="checkbox"/>
	NT40-ER20-40	0.5~13.0	40	35	25	48	ER20		<input type="checkbox"/>
	NT40-ER25-50	0.5~16.0	50	42	34	54	ER25		<input type="checkbox"/>
	NT40-ER32-50	1.0~20.0	50	50	40	60	ER32		<input type="checkbox"/>
	NT40-ER40-60	2.0~26.0	60	63	50	80	ER40		<input type="checkbox"/>
NT50	NT50-ER16-40	0.5~10.0	40	32	23	43	ER16		<input type="checkbox"/>
	NT50-ER20-40	0.5~13.0	40	35	25	48	ER20		<input type="checkbox"/>
	NT50-ER25-50	0.5~16.0	50	42	34	54	ER25		<input type="checkbox"/>
	NT50-ER32-60	1.0~20.0	60	50	40	60	ER32		<input type="checkbox"/>
	NT50-ER40-60	2.0~26.0	60	63	50	80	ER40		<input type="checkbox"/>
	NT50-ER50-60	2.0~34.0	60	78	55	80	ER50		<input type="checkbox"/>

NC DRILL CHUCK



Ordering Example



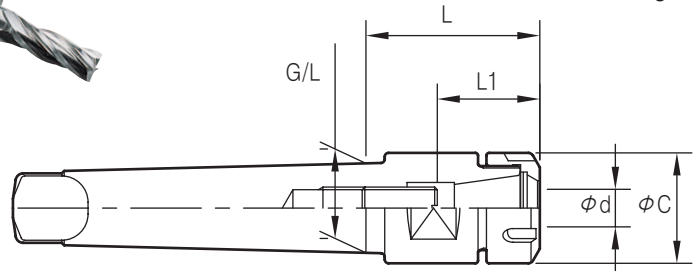
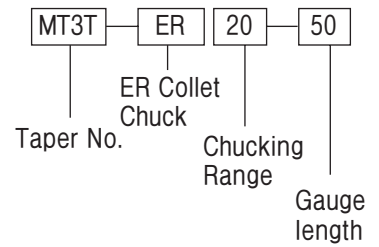
- *. 일체형 구조로 인한 우수한 내구성 및 척킹력 발휘

Taper No.	Code No.	ϕd	L	ϕC	L1	Weight (kg)	Stock
NT40	NT40-NPU13-85	1.0~13.0	85	48	11		<input type="checkbox"/>
NT50	NT50-NPU13-95		90				<input type="checkbox"/>

MT ER COLLET CHUCK(TANG)



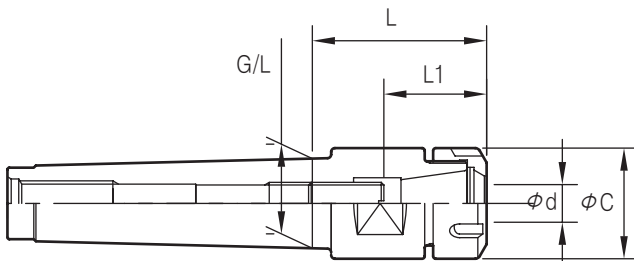
Ordering Example



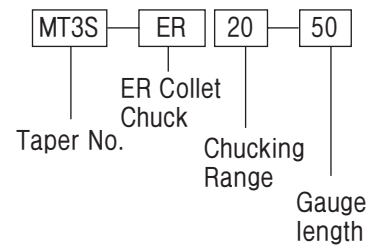
Taper No.	Code No.	φd	L	φC	L1		Collet	Weight (kg)	Stock
					Min	Max			
MT1	MT1T-ER11-40	0.5~7.0	70	19	19	34	ER11		<input type="checkbox"/>
	MT1T-ER16-60	0.5~10.0	100	32	23	43	ER16		<input type="checkbox"/>
MT2	MT2T-ER11-40	0.5~7.0	70	19	19	34	ER11		<input type="checkbox"/>
	MT2T-ER16-50	0.5~10.0	100	32	23	43	ER16		<input type="checkbox"/>
	MT2T-ER20-60	0.5~13.0	80	35	25	48	ER20		<input type="checkbox"/>
MT3	MT3T-ER16-40	0.5~10.0	100	32	23	43	ER16		<input type="checkbox"/>
	MT3T-ER20-50	0.5~13.0	70	35	25	48	ER20		<input type="checkbox"/>
	MT3T-ER25-60	0.5~16.0	100	42	34	54	ER25		<input type="checkbox"/>
MT4	MT4T-ER20-45	0.5~13.0	60	35	25	48	ER20		<input type="checkbox"/>
	MT4T-ER25-50	0.5~16.0	90	42	34	54	ER25		<input type="checkbox"/>
	MT4T-ER32-60	1.0~20.0	60	50	40	60	ER32		<input type="checkbox"/>
MT5	MT5T-ER25-60	0.5~16.0	90	42	34	54	ER25		<input type="checkbox"/>
	MT5T-ER32-60	1.0~20.0	120	50	40	60	ER32		<input type="checkbox"/>
	MT5T-ER40-80	2.0~26.0	60	63	50	80	ER40		<input type="checkbox"/>

*. Spanner는 별도 판매 합니다.

MT ER COLLET CHUCK(SCREW)



Ordering Example

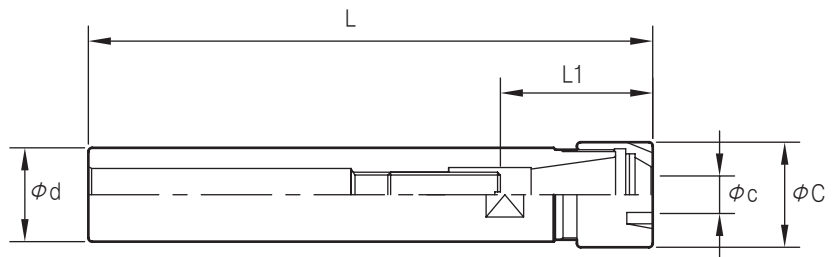
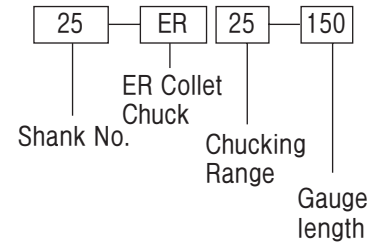


Taper No.	Code No.	φd	L	φC	L1		Collet	Weight (kg)	Stock
					Min	Max			
MT1	MT1S-ER11-40	0.5~7.0	70	19	19	34	ER11		<input type="checkbox"/>
	MT1S-ER16-60	0.5~10.0	100	32	23	43	ER16		<input type="checkbox"/>

STRAIGHT ER SLIM COLLET CHUCK(MILLING)



Ordering Example



Shank	Code No.	ϕd	ϕD	L	ϕC	L1		Collet	Weight (kg)	Stock
						Min	Max			
16	ST16-ER11M-140	0.5~0.7	16	140	16	19	34	ER11		<input checked="" type="checkbox"/>
	170			<input type="checkbox"/>						
20	ST20-ER16M-140	0.5~1.0		140	22	23	43	ER16		<input checked="" type="checkbox"/>
	ST20-ER16M-180			<input type="checkbox"/>						
	ST20-ER16M-250			<input type="checkbox"/>						
	ST20-ER20M-140	0.5~13.0		140	28	25	48	ER20		<input checked="" type="checkbox"/>
	ST20-ER20M-180			<input type="checkbox"/>						
	ST20-ER20M-250			<input type="checkbox"/>						
25	ST25-ER16M-140	0.5~10.0		140	22	23	43	ER16		<input checked="" type="checkbox"/>
	ST25-ER16M-180			<input type="checkbox"/>						
	ST25-ER16M-250			<input type="checkbox"/>						
	ST25-ER20M-140	0.5~13.0		140	28	25	48	ER20		<input checked="" type="checkbox"/>
	ST25-ER20M-185			<input type="checkbox"/>						
	ST25-ER20M-250			<input type="checkbox"/>						
32	ST32-ER20M-200	0.5~13.0	32	200	28	25	48	ER20		<input type="checkbox"/>
	ST32-ER20M-300			<input type="checkbox"/>						
	ST32-ER25M-200	0.5~16.0		200	35	34	54	ER25		<input type="checkbox"/>
	ST32-ER25M-300			<input type="checkbox"/>						

*. N.C 선반, 자동선반에서 기본으로 사용하는 홀더 입니다.

*. 드릴, 엔드밀, 탭, 리머, 작업 가공용으로 사용됩니다.

*. 콜렛 및 스페너는 별도로 판매 합니다.