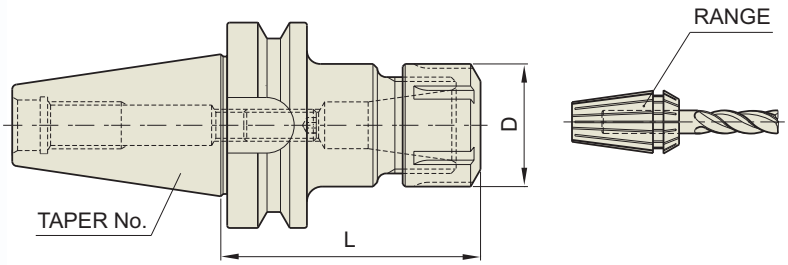
ER COLLET CHUCK





MAS - BT 403	Taper Accuracy	G Value	RPM	Coolant System
	AT3	6.3	12,000	

■ 일반급

TAPER No.	CODE No.	RANGE	D	L	M	NUT	COLLET	중량(KG)	재고
30	BT30-ER11- 70	0.5~7.0	19	70	M6	ER11	ER11+ET1-12	0.5	
	BT30-ER11-100	0.5~7.0	19	100	M6	ER11	ER11+ET1-12	0.5	
	BT30-ER16- 70	0.5~10.0	28	70	M10	ER16	ER16+ET1-16	1.0	●
	BT30-ER16-100	0.5~10.0	28	100	M10	ER16	ER16+ET1-16	1.1	●
	BT30-ER20- 80	1.0~13.0	34	80	M12	ER20	ER20+ET1-20	1.2	●
	BT30-ER20-100	1.0~13.0	34	100	M12	ER20	ER20+ET1-20	1.3	●
	BT30-ER25- 70	1.0~16.0	42	70	M12	ER25	ER25+ET1-25	1.2	●
	BT30-ER25-100	1.0~16.0	42	100	M12	ER25	ER25+ET1-25	1.3	●
	BT30-ER32- 60	2.0~20.0	50	60	M12	ER32	ER32+ET1-32	1.4	●
	BT30-ER32- 90	2.0~20.0	50	90	M12	ER32	ER32+ET1-32	1.9	●

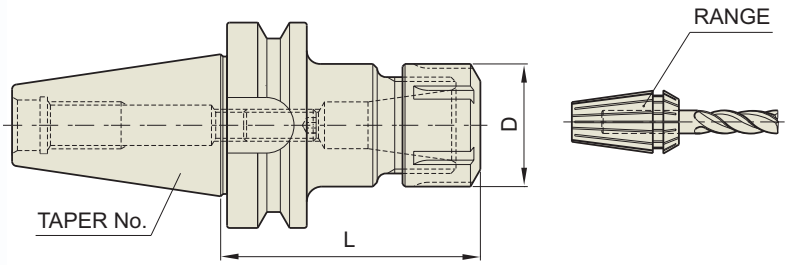
■ 정밀급

TAPER No.	CODE No.	RANGE	D	L	M	NUT	COLLET	중량(KG)	재고
30	BT30-ER11G- 70	0.5~7.0	19	70	M6	HI-Q/ER11	ER11+ET1-12	0.5	
	BT30-ER11G-100	0.5~7.0	19	100	M6	HI-Q/ER11	ER11+ET1-12	0.5	
	BT30-ER16G- 70	0.5~10.0	28	70	M10	HI-Q/ER16	ER16+ET1-16	1.0	●
	BT30-ER16G-100	0.5~10.0	28	100	M10	HI-Q/ER16	ER16+ET1-16	1.1	●
	BT30-ER20G- 80	1.0~13.0	34	80	M12	HI-Q/ER20	ER20+ET1-20	1.2	●
	BT30-ER20G-100	1.0~13.0	34	100	M12	HI-Q/ER20	ER20+ET1-20	1.3	●
	BT30-ER25G- 70	1.0~16.0	42	70	M12	HI-Q/ER25	ER25+ET1-25	1.2	●
	BT30-ER25G-100	1.0~16.0	42	100	M12	HI-Q/ER25	ER25+ET1-25	1.3	●
	BT30-ER32G- 60	2.0~20.0	50	60	M12	HI-Q/ER32	ER32+ET1-32	1.4	●
	BT30-ER32G- 90	2.0~20.0	50	90	M12	HI-Q/ER32	ER32+ET1-32	1.9	●

▶고발란싱급은 고객의 요청에 따라 G2/5 40,000rpm (G6.3/100,000rpm)으로도 제작 공급 가능합니다.
▶가공 조건에 따라 ER NUT교체 가능 합니다. (Page 90,91참고)

ER COLLET CHUCK





MAS - BT 403	Taper Accuracy	G Value	RPM	Coolant System
	AT3	6.3	12,000	

■ 일반급

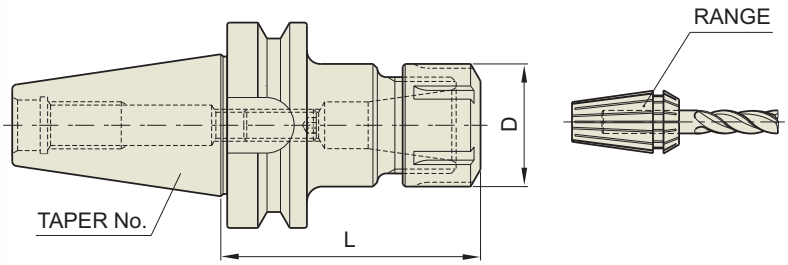
TAPER No.	CODE No.	RANGE	D	L	M	NUT	COLLET	중량(KG)	재고
40	BT40-ER11- 75	0.5~7.0	19	75	M6	ER11	ER11+ET1-12	1.0	
	BT40-ER11-100	0.5~7.0	19	100	M6	ER11	ER11+ET1-12	1.1	
	BT40-ER16- 75	0.5~10.0	28	75	M10	ER16	ER16+ET1-16	1.1	●
	BT40-ER16-100	0.5~10.0	28	100	M10	ER16	ER16+ET1-16	1.2	●
	BT40-ER16-120	0.5~10.0	28	120	M10	ER16	ER16+ET1-16	1.4	
	BT40-ER20- 75	1.0~13.0	34	75	M12	ER20	ER20+ET1-20	1.4	
	BT40-ER20-100	1.0~13.0	34	100	M12	ER20	ER20+ET1-20	1.8	●
	BT40-ER20-135	1.0~13.0	34	135	M12	ER20	ER20+ET1-20	2.2	
	BT40-ER25- 75	1.0~16.0	42	75	M12	ER25	ER25+ET1-25	1.4	
	BT40-ER25-100	1.0~16.0	42	100	M12	ER25	ER25+ET1-25	1.8	●
	BT40-ER25-135	1.0~16.0	42	135	M12	ER25	ER25+ET1-25	2.2	
	BT40-ER25-150	1.0~16.0	42	150	M12	ER25	ER25+ET1-25	2.4	
	BT40-ER32- 60	2.0~20.0	50	60	M12	ER32	ER32+ET1-32	1.8	●
	BT40-ER32-100	2.0~20.0	50	100	M12	ER32	ER32+ET1-32	2.2	●
	BT40-ER32-120	2.0~20.0	50	120	M12	ER32	ER32+ET1-32	2.4	●
	BT40-ER32-150	2.0~20.0	50	150	M12	ER32	ER32+ET1-32	2.6	
	BT40-ER40- 80	3.0~30.0	63	80	M12	ER40	ER40+ET1-40	1.5	

■ 정밀급

TAPER No.	CODE No.	RANGE	D	L	M	NUT	COLLET	중량(KG)	재고
40	BT40-ER11G- 75	0.5~7.0	19	75	M6	HI-Q/ER11	ER11+ET1-12	1.0	
	BT40-ER11G-100	0.5~7.0	19	100	M6	HI-Q/ER11	ER11+ET1-12	1.1	
	BT40-ER16G- 75	0.5~10.0	28	75	M10	HI-Q/ER16	ER16+ET1-16	1.1	●
	BT40-ER16G-100	0.5~10.0	28	100	M10	HI-Q/ER16	ER16+ET1-16	1.2	●
	BT40-ER16G-120	0.5~10.0	28	120	M10	HI-Q/ER16	ER16+ET1-16	1.4	
	BT40-ER20G- 75	1.0~13.0	34	75	M12	HI-Q/ER20	ER20+ET1-20	1.4	
	BT40-ER20G-100	1.0~13.0	34	100	M12	HI-Q/ER20	ER20+ET1-20	1.8	●
	BT40-ER20G-135	1.0~13.0	34	135	M12	HI-Q/ER20	ER20+ET1-20	2.2	
	BT40-ER25G- 75	1.0~16.0	42	75	M12	HI-Q/ER25	ER25+ET1-25	1.4	
	BT40-ER25G-100	1.0~16.0	42	100	M12	HI-Q/ER25	ER25+ET1-25	1.8	●
	BT40-ER25G-135	1.0~16.0	42	135	M12	HI-Q/ER25	ER25+ET1-25	2.2	
	BT40-ER25G-150	1.0~16.0	42	150	M12	HI-Q/ER25	ER25+ET1-25	2.4	
	BT40-ER32G- 60	2.0~20.0	50	60	M12	HI-Q/ER32	ER32+ET1-32	1.8	●
	BT40-ER32G-100	2.0~20.0	50	100	M12	HI-Q/ER32	ER32+ET1-32	2.2	●
	BT40-ER32G-120	2.0~20.0	50	120	M12	HI-Q/ER32	ER32+ET1-32	2.4	●
	BT40-ER32G-150	2.0~20.0	50	150	M12	HI-Q/ER32	ER32+ET1-32	2.6	
	BT40-ER40G- 80	3.0~30.0	63	80	M12	HI-Q/ER40	ER40+ET1-40	1.5	

ER COLLET CHUCK





MAS - BT 403	Taper Accuracy	G Value	RPM	Coolant System
	AT3	6.3	12,000	

■ 일반급

TAPER No.	CODE No.	RANGE	D	L	M	NUT	COLLET	중량(KG)	재고
50	BT50-ER16-100	0.5~10.0	28	100	M10	ER16	ER16+ET1-16	4.2	
	BT50-ER16-120	0.5~10.0	28	120	M10	ER16	ER16+ET1-16	4.4	●
	BT50-ER16-165	0.5~10.0	28	165	M10	ER16	ER16+ET1-16	4.6	
	BT50-ER20-100	1.0~13.0	34	100	M12	ER20	ER20+ET1-20	4.6	●
	BT50-ER20-135	1.0~13.0	34	135	M12	ER20	ER20+ET1-20	4.8	●
	BT50-ER20-165	1.0~13.0	34	165	M12	ER20	ER20+ET1-20	5.0	
	BT50-ER25-100	1.0~16.0	42	100	M12	ER25	ER25+ET1-25	4.7	
	BT50-ER25-135	1.0~16.0	42	135	M12	ER25	ER25+ET1-25	4.8	●
	BT50-ER25-165	1.0~16.0	42	165	M12	ER25	ER25+ET1-25	5.0	●
	BT50-ER32-100	2.0~20.0	50	100	M12	ER32	ER32+ET1-32	5.2	●
	BT50-ER32-135	2.0~20.0	50	135	M12	ER32	ER32+ET1-32	5.7	●
	BT50-ER32-165	2.0~20.0	50	165	M12	ER32	ER32+ET1-32	5.8	●
	BT50-ER40-100	3.0~30.0	63	100	M12	ER40	ER40+ET1-40	5.6	
	BT50-ER40-150	3.0~30.0	63	150	M12	ER40	ER40+ET1-40	6.1	●
	BT50-ER50-100	12.0~34.0	78	100	M12	ER50	ER40+ET1-40	5.8	
	BT50-ER50-150	12.0~34.0	78	150	M12	ER50	ER40+ET1-40	6.3	●

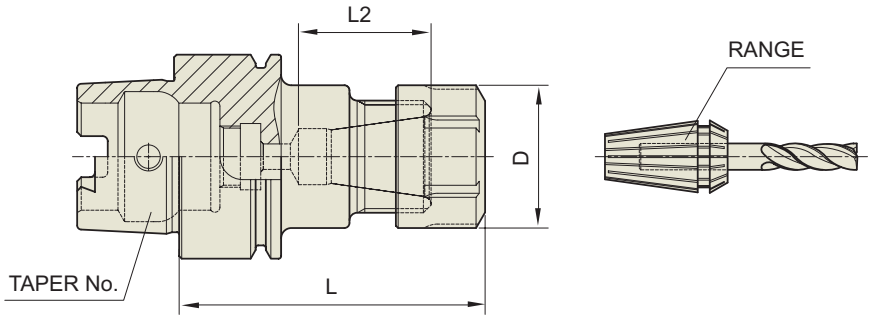
■ 정밀급

TAPER No.	CODE No.	RANGE	D	L	M	NUT	COLLET	중량(KG)	재고
50	BT50-ER16G-100	0.5~10.0	28	100	M10	HI-Q/ER16	ER16+ET1-16	4.2	
	BT50-ER16G-120	0.5~10.0	28	120	M10	HI-Q/ER16	ER16+ET1-16	4.4	
	BT50-ER16G-165	0.5~10.0	28	165	M10	HI-Q/ER16	ER16+ET1-16	4.6	
	BT50-ER20G-100	1.0~13.0	34	100	M12	HI-Q/ER20	ER20+ET1-20	4.6	
	BT50-ER20G-135	1.0~13.0	34	135	M12	HI-Q/ER20	ER20+ET1-20	4.8	
	BT50-ER20G-165	1.0~13.0	34	165	M12	HI-Q/ER20	ER20+ET1-20	5.0	
	BT50-ER25G-100	1.0~16.0	42	100	M12	HI-Q/ER25	ER25+ET1-25	4.7	
	BT50-ER25G-135	1.0~16.0	42	135	M12	HI-Q/ER25	ER25+ET1-25	4.8	
	BT50-ER25G-165	1.0~16.0	42	165	M12	HI-Q/ER25	ER25+ET1-25	5.0	
	BT50-ER32G-100	2.0~20.0	50	100	M12	HI-Q/ER32	ER32+ET1-32	5.2	
	BT50-ER32G-135	2.0~20.0	50	135	M12	HI-Q/ER32	ER32+ET1-32	5.7	
	BT50-ER32G-165	2.0~20.0	50	165	M12	HI-Q/ER32	ER32+ET1-32	5.8	
	BT50-ER40G-100	3.0~30.0	63	100	M12	HI-Q/ER40	ER40+ET1-40	5.6	
	BT50-ER40G-150	3.0~30.0	63	150	M12	HI-Q/ER40	ER40+ET1-40	6.1	
	BT50-ER50G-100	12.0~34.0	78	100	M12	HI-Q/ER50	ER40+ET1-40	5.8	
	BT50-ER50G-150	12.0~34.0	78	150	M12	HI-Q/ER50	ER40+ET1-40	6.3	

▶고발란싱급은 고객의 요청에 따라 G2.5/40,000rpm (G6.3/100,000rpm)으로도 제작 공급 가능합니다.
▶가공 조건에 따라 ER NUT교체 가능 합니다. (Page 90,91참고)

ER COLLET CHUCK

DIN69893-HSK FORM A



DIN69893 - HSK	Taper Accuracy	G Value	RPM	Coolant System
	AT3	6.3	12,000	

■ Standard Type

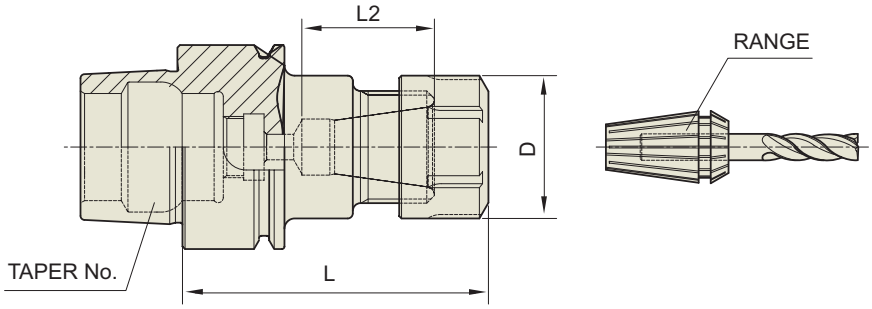
TAPER No.	CODE No.	RANGE	D	L	L2	NUT	중량(KG)	재고
40A	HSK40A-ER11-60	0.5 ~ 7.0	19	60	22	ER 11	0.40	●
	HSK40A-ER16-60	0.5 ~ 10.0	28	60	26	ER 16	0.50	●
	HSK40A-ER20-70	1.0 ~ 13.0	34	70	33	ER 20	0.80	●

■ Slim Type

TAPER No.	CODE No.	RANGE	D	L	L2	NUT	중량(KG)	재고
40A	HSK40A-ER11M-75	0.5 ~ 7.0	16	75	22	ER11M	0.40	●
	HSK40A-ER16M-80	0.5 ~ 10.0	22	80	26	ER16M	0.50	●
	HSK40A-ER20M-80	1.0 ~ 13.0	28	80	33	ER20M	0.70	●
	HSK40A-ER25M-80	1.0 ~ 16.0	35	80	40	ER25M	0.80	●

▶고발란싱급은 고객의 요청에 따라 G2.5 40,000rpm (G6.3 100,000rpm)으로도 제작 공급 가능합니다.

DIN69893-HSK FORM E



■ Standard Type

TAPER No.	CODE No.	RANGE	D	L	L2	NUT	중량(KG)	재고
40E	HSK40E-ER11-60	0.5 ~ 7.0	19	60	22	ER 11	0.40	●
	HSK40E-ER16-60	0.5 ~ 10.0	28	60	26	ER 16	0.50	●
	HSK40E-ER20-70	1.0 ~ 13.0	34	70	33	ER 20	0.80	●

■ Slim Type

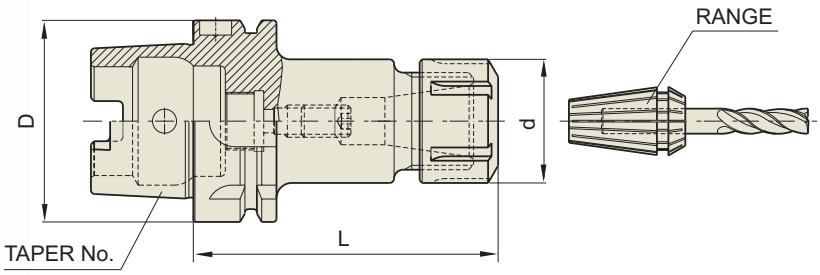
TAPER No.	CODE No.	RANGE	D	L	L2	NUT	중량(KG)	재고
40E	HSK40E-ER11M-75	0.5 ~ 7.0	16	75	22	ER11M	0.40	●
	HSK40E-ER16M-80	0.5 ~ 10.0	22	80	26	ER16M	0.50	●
	HSK40E-ER20M-80	1.0 ~ 13.0	28	80	33	ER20M	0.70	●
	HSK40E-ER25M-80	1.0 ~ 16.0	35	80	40	ER25M	0.80	●

▶고발란싱급은 고객의 요청에 따라 G2.5/40,000rpm (G6.3/100,000rpm)으로도 제작 공급 가능합니다.

ER COLLET CHUCK

HSK FORM A



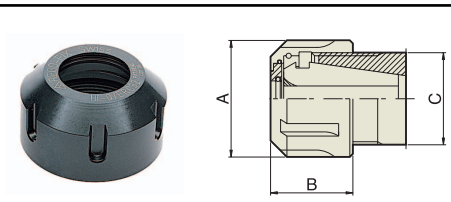


DIN69893 - HSK	Taper Accuracy	G Value	RPM	Coolant System
	AT3	6.3	12,000	

TAPER No.	CODE No.	RANGE	d	D	L	중량(KG)	재고
50A	HSK 50A-ER16-100	0.5-10	28	50	100	0.70	
	HSK 50A-ER20-100	1-13	35	50	100	0.90	
	HSK 50A-ER25-100	1-16	42	50	100	1.20	
	HSK 50A-ER32-100	2-20	50	50	100	1.50	
63A	HSK 63A-ER16-100	0.5-10	28	63	100	1.20	●
	HSK 63A-ER20-100	1-13	35	63	100	1.50	●
	HSK 63A-ER25-100	1-16	42	63	100	1.80	●
	HSK 63A-ER32-100	2-20	50	63	100	2.00	●
	HSK 63A-ER40-120	3-26	63	63	120	2.30	●
100A	HSK100A-ER16-100	0.5-10	28	100	100	2.60	●
	HSK100A-ER20-100	1-13	35	100	100	2.70	●
	HSK100A-ER25-100	1-16	42	100	100	2.90	●
	HSK100A-ER32-100	2-20	50	100	100	3.10	●
	HSK100A-ER40-120	3-26	63	100	120	3.30	●

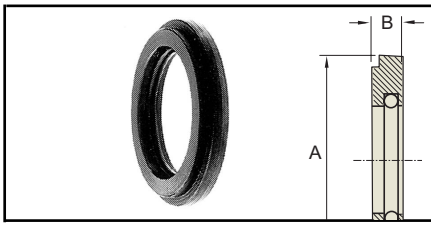
▶고발란싱급은 고객의 요청에 따라 G2.5/40,000rpm (G6.3/100,000rpm)으로도 제작 공급 가능합니다.
▶ERC NUT 사용시 내부 급유방식 사용가능 합니다.

ERC NUT



TYPE
HI-Q/ERC16
HI-Q/ERC20
HI-Q/ERC25
HI-Q/ERC32
HI-Q/ERC40

SEALING DISK

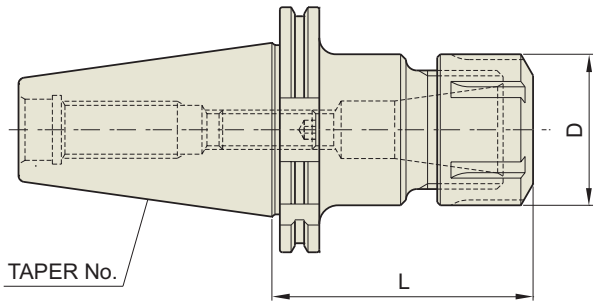


TYPE
DS/ER16
DS/ER20
DS/ER25
DS/ER32
DS/ER40

ER CHUCK

SK





DIN69871 - SK	Taper Accuracy	G Value	RPM	Coolant System
	AT3	6.3	12,000	

■ STANDARD

TAPER No.	CODE No.	RANGE	D	L	NUT	RANGE	중량(KG)	재고
30	SK30-ER11-55	0.5~10.0	19	55	ER11	0.5-7		
	SK30-ER16-55	0.5~10.0	28	55	ER16	0.5-10		
	SK30-ER20-55	1.0~13.0	34	55	ER20	1-13		
	SK30-ER25-55	1.0~16.0	42	55	ER25	1-16		
	SK30-ER32-60	2.0~20.0	50	60	ER32	2-20		
40	SK40-ER11-70	0.5~7.0	19	70	ER11	0.5-7		
	SK40-ER16-70	0.5~10.0	28	70	ER16	0.5-10		
	SK40-ER20-70	1.0~13.0	34	70	ER20	1-13		
	SK40-ER25-70	1.0~16.0	42	70	ER25	1-16		
	SK40-ER32-70	2.0~20.0	50	70	ER32	2-20		
	SK40-ER40-80	3.0~30.0	63	80	ER40	3-26		
50	SK50-ER16-70	0.5~10.0	28	70	ER16	0.5-10		
	SK50-ER20-70	1.0~13.0	34	70	ER20	1-13		
	SK50-ER25-70	1.0~16.0	42	70	ER25	1-16		
	SK50-ER32-70	2.0~20.0	50	70	ER32	2-20		
	SK50-ER40-80	3.0~30.0	63	80	ER40	3-26		

■ EXTENDED

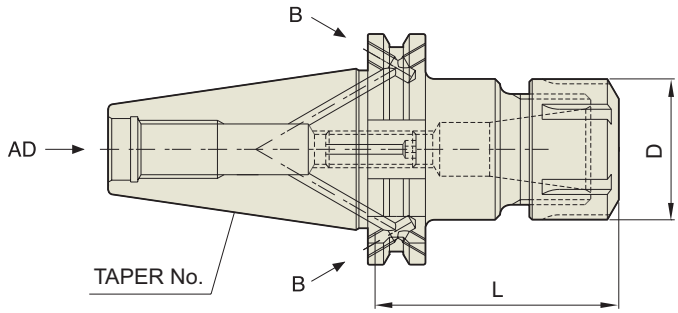
TAPER No.	CODE No.	RANGE	D	L	NUT	RANGE	중량(KG)	재고
40	SK40-ER16-100	0.5~10.0	28	100	ER16	0.5-10		
	SK40-ER20-100	1.0~13.0	34	100	ER20	1-13		
	SK40-ER25-100	1.0~16.0	42	100	ER25	1-16		
	SK40-ER32-100	2.0~20.0	50	100	ER32	2-20		
50	SK50-ER16-100	0.5~10.0	28	100	ER16	0.5-10		
	SK50-ER20-100	1.0~13.0	34	100	ER20	1-13		
	SK50-ER25-100	1.0~16.0	42	100	ER25	1-16		
	SK50-ER32-100	2.0~20.0	50	100	ER32	2-20		
	SK50-ER40-100	3.0~30.0	63	100	ER40	3-26		

▶고발란싱급은 고객의 요청에 따라 G2.5/40,000rpm (G6.3/100,000rpm)으로도 제작 공급 가능합니다.
▶가공 조건에 따라 ER NUT교체 가능 합니다. (Page90,91참고)

ER CHUCK

AD+B - SK





DIN69871 - SK	Taper Accuracy	G Value	RPM	Coolant System
	AT3	6.3	12,000	

■ STANDARD

TAPER No.	CODE No.	RANGE	D	L	NUT	RANGE	중량(KG)	재고
40	SK40AD/B-ER11-70	0.5~7.0	19	70	ER11	0.5-7	0.80	
	SK40AD/B-ER16-70	0.5~10.0	28	70	ER16	0.5-10	0.90	
	SK40AD/B-ER20-70	1.0~13.0	34	70	ER20	1-13	1.20	
	SK40AD/B-ER25-70	1.0~16.0	42	70	ER25	1-16	1.30	
	SK40AD/B-ER32-70	2.0~20.0	50	70	ER32	2-20	1.50	
	SK40AD/B-ER40-80	3.0~30.0	63	80	ER40	3-26	1.70	
50	SK50AD/B-ER16-70	0.5~10.0	28	70	ER16	0.5-10	2.80	
	SK50AD/B-ER20-70	1.0~13.0	34	70	ER20	1-13	2.90	
	SK50AD/B-ER25-70	1.0~16.0	42	70	ER25	1-16	3.10	
	SK50AD/B-ER32-70	2.0~20.0	50	70	ER32	2-20	3.30	
	SK50AD/B-ER40-80	3.0~30.0	63	80	ER40	3-26	3.50	

■ EXTENDED

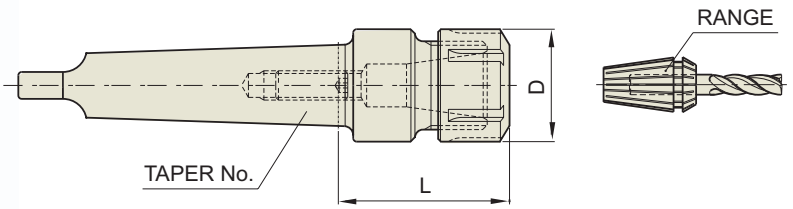
TAPER No.	CODE No.	RANGE	D	L	NUT	RANGE	중량(KG)	재고
40	SK40AD/B-ER16-100	0.5~10.0	28	100	ER16	0.5-10	1.05	
	SK40AD/B-ER20-100	1.0~13.0	34	100	ER20	1-13	1.13	
	SK40AD/B-ER25-100	1.0~16.0	42	100	ER25	1-16	1.35	
	SK40AD/B-ER32-100	2.0~20.0	50	100	ER32	2-20	1.43	
50	SK50AD/B-ER16-100	0.5~10.0	28	100	ER16	0.5-10	2.90	
	SK50AD/B-ER20-100	1.0~13.0	34	100	ER20	1-13	3.10	
	SK50AD/B-ER25-100	1.0~16.0	42	100	ER25	1-16	3.30	
	SK50AD/B-ER32-100	2.0~20.0	50	100	ER32	2-20	3.50	
	SK50AD/B-ER40-100	3.0~26.0	63	100	ER40	3-26	3.80	

▶고발란싱급은 고객의 요청에 따라 G2.5/40,000rpm (G6.3/100,000rpm)으로도 제작 공급 가능합니다.
▶가공 조건에 따라 ER NUT교체 가능 합니다. (Page 90,91참고)

ER COLLET CHUCK

MTA





DIN228 - MTA | Taper Accuracy: AT3 | G Value | RPM | Coolant System

■ 일반급

TAPER No.	CODE No.	RANGE	D	L	NUT	COLLET	중량(KG)	재고
1	MTA1-ER11	0.5-7.0	19	35	ER11	ER11	0.30	
	MTA1-ER16	0.5-10	28	40	ER16	ER16	0.35	
2	MTA2-ER20	1-13	34	50	ER20	ER20	0.50	
	MTA2-ER25	1-16	42	50	ER25	ER25	0.60	
3	MTA3-ER25	1-16	42	60	ER25	ER25	0.60	
	MTA3-ER32	2-20	50	70	ER32	ER32	0.65	
4	MTA4-ER20	1-13	34	60	ER20	ER20	1.00	
	MTA4-ER25	1-16	42	60	ER25	ER25	1.10	
	MTA4-ER32	2-20	50	65	ER32	ER32	1.30	●
	MTA4-ER40	3-30	63	80	ER40	ER40	1.50	
5	MTA5-ER32	2-20	50	70	ER32	ER32	2.20	●
	MTA5-ER40	3-30	63	80	ER40	ER40	2.40	●
	MTA5-ER50	6-34	78	80	ER50	ER50	2.80	

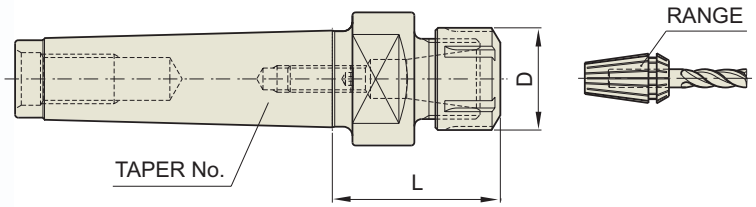
■ 정밀급

TAPER No.	CODE No.	RANGE	D	L	NUT	COLLET	중량(KG)	재고
1	MTA1-ER11G	0.5-7.0	19	35	HI-Q/ER11	ER11	0.30	
	MTA1-ER16G	0.5-10	28	40	HI-Q/ER16	ER16	0.35	
2	MTA2-ER20G	1-13	34	50	HI-Q/ER20	ER20	0.50	
	MTA2-ER25G	1-16	42	50	HI-Q/ER25	ER25	0.60	
3	MTA3-ER25G	1-16	42	60	HI-Q/ER25	ER25	0.60	
	MTA3-ER32G	2-20	50	70	HI-Q/ER32	ER32	0.65	
4	MTA4-ER20G	1-13	34	60	HI-Q/ER20	ER20	1.00	
	MTA4-ER25G	1-16	42	60	HI-Q/ER25	ER25	1.10	
	MTA4-ER32G	2-20	50	65	HI-Q/ER32	ER32	1.30	
	MTA4-ER40G	3-30	63	80	HI-Q/ER40	ER40	1.50	
5	MTA5-ER32G	2-20	50	70	HI-Q/ER32	ER32	2.20	
	MTA5-ER40G	3-30	63	80	HI-Q/ER40	ER40	2.40	
	MTA5-ER50G	6-34	78	80	HI-Q/ER50	ER50	2.80	

ER COLLET CHUCK

MTB





DIN228 - MTB | Taper Accuracy: AT3 | G Value | RPM | Coolant System

■ 일반급

TAPER No.	CODE No.	RANGE	D	L	NUT	COLLET	중량(KG)	재고
1	MTB1-ER16	1-10	28	40	ER16	ER16	0.35	
2	MTB2-ER20	1-13	34	50	ER20	ER20	0.50	
	MTB2-ER25	1-16	42	50	ER25	ER25	0.60	
3	MTB3-ER25	1-16	42	60	ER25	ER25	0.60	
	MTB3-ER32	2-20	50	70	ER32	ER32	0.65	
4	MTB4-ER32	2-20	50	70	ER32	ER32	1.10	●
	MTB4-ER40	3-30	63	80	ER40	ER40	1.30	
5	MTB5-ER32	2-20	50	70	ER32	ER32	2.00	●
	MTB5-ER40	3-30	63	80	ER40	ER40	2.20	●
	MTB5-ER50	6-34	78	80	ER50	ER50	2.60	●

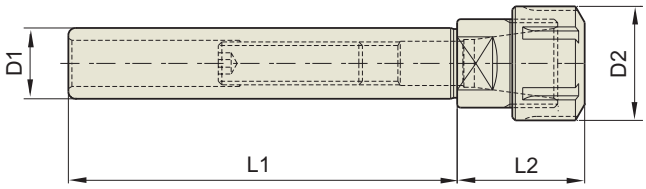
■ 정밀급

TAPER No.	CODE No.	RANGE	D	L	NUT	COLLET	중량(KG)	재고
1	MTB1-ER16G	1-10	28	40	HI-Q/ER16	ER16	0.35	
2	MTB2-ER20G	1-13	34	50	HI-Q/ER20	ER20	0.50	
	MTB2-ER25G	1-16	42	50	HI-Q/ER25	ER25	0.60	
3	MTB3-ER25G	1-16	42	60	HI-Q/ER25	ER25	0.60	
	MTB3-ER32G	2-20	50	70	HI-Q/ER32	ER32	0.65	
4	MTB4-ER32G	2-20	50	70	HI-Q/ER32	ER32	1.10	
	MTB4-ER40G	3-30	63	80	HI-Q/ER40	ER40	1.30	
5	MTB5-ER32G	2-20	50	70	HI-Q/ER32	ER32	2.00	
	MTB5-ER40G	3-30	63	80	HI-Q/ER40	ER40	2.20	
	MTB5-ER50G	6-34	78	80	HI-Q/ER50	ER50	2.60	

ER CHUCK

K





K	Taper Accuracy	G Value	RPM	Coolant System
	AT3			

■ 일반급

TAPER No.	CODE No.	RANGE	D1	D2	L1	L2	NUT	COLLET	중량(KG)	재고
16	K16-ER11-100	0.5-7.0	16	19	100	32	ER11	ER11+ET1-12	0.15	●
	K16-ER16-100	0.5-10.0	16	28	100	36	ER16	ER16+ET1-16	0.18	
20	K20-ER16-100	0.5-10.0	20	28	100	36	ER16	ER16+ET1-16	0.25	●
	K20-ER20-100	1.0-13.0	20	34	100	40	ER20	ER20+ET1-20	0.29	●
	K20-ER25-100	1.0-16.0	20	42	100	50	ER25	ER25+ET1-25	0.35	
25	K25-ER20-100	1.0-13.0	25	34	100	40	ER20	ER20+ET1-20	0.40	●
	K25-ER25-100	1.0-16.0	25	42	100	50	ER25	ER25+ET1-25	0.45	●
32	K32-ER16-100	0.5-10.0	32	28	100	36	ER16	ER16+ET1-16	0.50	●
	K32-ER20-100	1.0-13.0	32	34	100	40	ER20	ER20+ET1-20	0.66	●
	K32-ER25-100	1.0-16.0	32	42	100	50	ER25	ER25+ET1-25	0.75	●
	K32-ER32-100	2.0-20.0	32	50	100	58	ER32	ER32+ET1-32	1.00	●

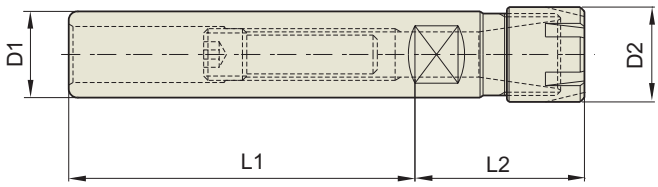
■ 정밀급

TAPER No.	CODE No.	RANGE	D1	D2	L1	L2	NUT	COLLET	중량(KG)	재고
16	K16-ER11G-100	0.5-7.0	16	19	100	32	HI-Q/ER11	ER11+ET1-12	0.15	
	K16-ER16G-100	0.5-10.0	16	28	100	36	HI-Q/ER16	ER16+ET1-16	0.18	
20	K20-ER16G-100	0.5-10.0	20	28	100	36	HI-Q/ER16	ER16+ET1-16	0.25	
	K20-ER20G-100	1.0-13.0	20	34	100	40	HI-Q/ER20	ER20+ET1-20	0.29	
	K20-ER25G-100	1.0-16.0	20	42	100	50	HI-Q/ER25	ER25+ET1-25	0.35	
25	K25-ER20G-100	1.0-13.0	25	34	100	40	HI-Q/ER20	ER20+ET1-20	0.40	
	K25-ER25G-100	1.0-16.0	25	42	100	50	HI-Q/ER25	ER25+ET1-25	0.45	
32	K32-ER16G-100	0.5-10.0	32	28	100	36	HI-Q/ER16	ER16+ET1-16	0.50	
	K32-ER20G-100	1.0-13.0	32	34	100	40	HI-Q/ER20	ER20+ET1-20	0.66	
	K32-ER25G-100	1.0-16.0	32	42	100	50	HI-Q/ER25	ER25+ET1-25	0.75	
	K32-ER32G-100	2.0-20.0	32	50	100	58	HI-Q/ER32	ER32+ET1-32	1.00	

EXTENSION ER COLLET CHUCK - SLIM TYPE

ER



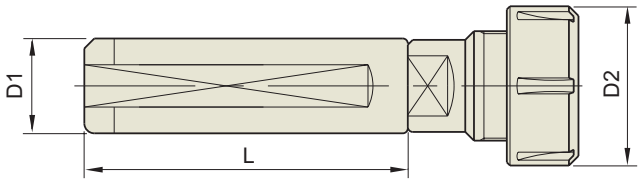


K	Taper Accuracy	G Value	RPM	Coolant System

TAPER No.	CODE No.	RANGE	D1	D2	L1	L2	NUT	중량(KG)	재고
12	**K12-ER8M-70**	0.5-5.0	12	12	70	25	ERM 8	0.10	●
16	**K16-ER11M-140**	0.5-7.0	16	16	140	32	ERM11	0.22	●
20	**K20-ER16M-140**	0.5-10.0	20	22	140	41	ERM16	0.32	●
	K20-ER20M-140	1.0-13.0	20	28	140	41	ERM20	0.35	
25	**K25-ER16M-140**	0.5-10.0	25	22	140	41	ERM16	0.45	●
	K25-ER20M-140	1.0-13.0	25	28	140	41	ERM20	0.52	
	K25-ER25M-140	1.0-16.0	25	35	140	45	ERM25	0.55	

TENSION ER CHUCK - TAP 작업 전용

ERT

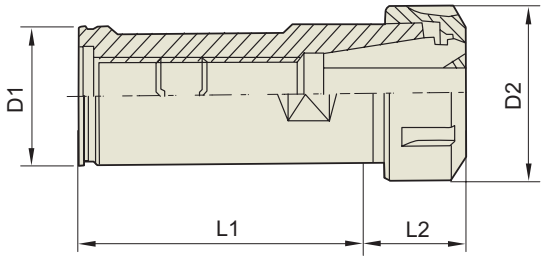


K	Taper Accuracy	G Value	RPM	Coolant System

TAPER No.	CODE No.	RANGE	D1	D2	L	NUT	중량(KG)	재고
20	**K20-ERT16-70**	0.5-10.0	20	28	70	ER16	0.4	
25	**K25-ERT16-70**	0.5-10.0	25	28	70	ER16	0.45	
	K25-ERT20-80	1.0-13.0	25	34	80	ER20	0.50	
32	**K32-ERT16-70**	0.5-10.0	32	28	70	ER16	0.70	
	K32-ERT20-80	1.0-13.0	32	34	80	ER20	0.80	
	K32-ERT25-80	1.0-16.0	32	42	80	ER25	1.00	
	K32-ERT32-80	2.0-20.0	32	50	80	ER32	1.20	

ER COLLET CHUCK CNC LATHE - NC





NC	Taper Accuracy	G Value	RPM	Coolant System
	AT3			

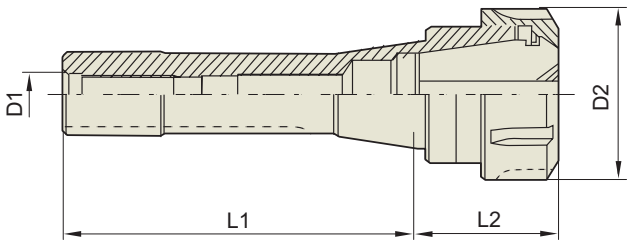
■ 일반급

TAPER No.	CODE No.	RANGE	D1	D2	L1	L2	NUT	COLLET	중량(KG)	재고
25	NC25-ER11	0.5-7.0	25	19	65	32	ER11	ER11	0.30	
	NC25-ER16	0.5-10.0	25	28	65	32	ER16	ER16	0.45	
	NC25-ER20	1.0-13.0	25	34	65	32	ER20	ER20	0.50	●
	NC25-ER25	1.0-16.0	25	42	65	32	ER25	ER25	0.55	●
32	NC32-ER20	1.0-13.0	32	34	70	32	ER20	ER20	0.60	
	NC32-ER25	1.0-16.0	32	42	70	38	ER25	ER25	0.70	●
	NC32-ER32	2.0-20.0	32	50	60	38	ER32	ER32	0.75	●
40	NC40-ER32	2.0-20.0	40	50	75	53	ER32	ER32	1.25	●
	NC40-ER40	3.0-30.0	40	63	75	53	ER40	ER40	1.30	

■ 정밀급

TAPER No.	CODE No.	RANGE	D1	D2	L1	L2	NUT	COLLET	중량(KG)	재고
25	NC25-ER11G	0.5-7.0	25	19	65	32	HI-Q/ER11	ER11	0.30	
	NC25-ER16G	0.5-10.0	25	28	65	32	HI-Q/ER16	ER16	0.45	
	NC25-ER20G	1.0-13.0	25	34	65	32	HI-Q/ER20	ER20	0.50	
	NC25-ER25G	1.0-16.0	25	42	65	32	HI-Q/ER25	ER25	0.55	
32	NC32-ER20G	1.0-13.0	32	34	70	32	HI-Q/ER20	ER20	0.60	
	NC32-ER25G	1.0-16.0	32	42	70	38	HI-Q/ER25	ER25	0.70	
	NC32-ER32G	2.0-20.0	32	50	60	38	HI-Q/ER32	ER32	0.75	
40	NC40-ER32G	2.0-20.0	40	50	75	53	HI-Q/ER32	ER32	1.25	
	NC40-ER40G	3.0-30.0	40	63	75	53	HI-Q/ER40	ER40	1.30	

ER COLLET CHUCK BRIDGEPORT-R8



TAPER No.	CODE No.	RANGE	D1	D2	L1	L2	NUT	COLLET	중량(KG)	재고
R8	R8-ER32	2-20.0	U7/16	50	101.5	50	ER32	ER32+ET1-32	1.00	
	R8-ER40	3-30.0	U7/16	63	101.5	75	ER40	ER40+ET1-40	1.20	