YE-BT25 EUROPE

BEST OF TOOLING SYSTEM



MODEL NUMBERING SYSTEM & SURFACE FINISH

Model Numbering System

SK	40	AD/B	ER	16	70
Shank type	Shank size	Coolant Supplying System	Product name	Tool Holder I.D = Tool Shank O.D	"Gauge Line" Length and Other Spec.

Surface Finish



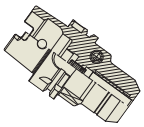
Guide Line to Icons

Standard of Tools	Taper Accuracy	G Value	RPM	Run-Out	Coolant System
DIN 69871-SK, DIN 69893-HSK, JIS B6339-BT, CBT	AT3	2.5G, 6.3G	25,000 RPM, 15,000 RPM	(at 3D) ≤3㎛, (I.D) ≤3㎛	AD or AD/B, AD/B, AD/B+C, AD, AD+C

Phone: +82-32-526-0909, www.yg1.solutions, E-mail: yg1@yg1.solutions

BEST OF TOOLING SYSTEM LIST

HYDRAULIC CHUCK

Series	HCP			HCR		
Type	POWER E HYDRO			RADIAL TOOL LENGTH PRE-SETTING TYPE		
Shank	SK (DIN 69871)	BT (JIS B6339/MAS 403)	HSK (DIN 69893/ISO 12164)	SK (DIN 69871)	BT (JIS B6339/MAS 403)	HSK (DIN 69893/ISO 12164)
Page	8	37	56	8	39	56
Tool Holder						

Series	HC				HC-LS
Type	STANDARD				LONG & SLIM
Shank	SK (DIN 69871)	CBT (BT DUAL CONTACT)	BT (JIS B6339/MAS 403)	HSK (DIN 69893/ISO 12164)	HSK (DIN 69893/ISO 12164)
Page	9	34	38	57	58
Tool Holder					

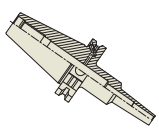
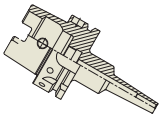
Series	HMC			HCS
Type	MOLD AND DIE			HYDRAULIC CHUCK SET
Shank	SK (DIN 69871)	BT (JIS B6339/MAS 403)	HSK (DIN 69893/ISO 12164)	–
Page	10	39	59	78
Tool Holder				

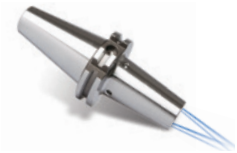
ER COLLET CHUCK

Series	ER					
Type	STANDARD				EXTENSION (Slim)	NC-for CNC LATHE
Shank	SK (DIN 69871)	CBT (BT DUAL CONTACT)	BT (JIS B6339/ MAS 403)	HSK (DIN 69893/ ISO 12164)	STRAIGHT TYPE	
Page	16 - 18	35	43 - 45	65 - 66	76	77
Tool Holder						

BEST OF TOOLING SYSTEM LIST

SHRINK FIT HOLDER

Series	SFHS			SFH			
Type	EXTRA SLIM			STANDARD			
Shank	SK (DIN 69871)	BT (JIS B6339/ MAS 403)	HSK (DIN 69893/ ISO 12164)	SK (DIN 69871)	CBT (BT DUAL CONTACT)	BT (JIS B6339/ MAS 403)	HSK (DIN 69893/ ISO 12164)
Page	11	40	60	12 - 13	34	41	61 - 63
Tool Holder							

Series	SFHC			SFH
Type	COOLANT CHANNEL			EXTENSION
Shank	SK (DIN 69871)	BT (JIS B6339/MAS 403)	HSK (DIN 69893/ISO 12164)	STRAIGHT TYPE
Page	14 - 15	42	64	76
Tool Holder				

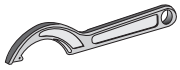
END MILL HOLDER & SIDE LOCK ARBOR

Series	EMH					
Type	STANDARD					
Shank	SK (DIN 69871)	SK (DIN 69871)	BT (JIS B6339/MAS 403)	BT (JIS B6339/MAS 403)	HSK (DIN 69893/ISO 12164)	HSK (DIN 69893/ISO 12164)
Page	19 - 20	22 - 23	46	47	67	69
Tool Holder	 2.5G	 6.3G	 2.5G	 6.3G	 2.5G	 6.3G

Series	EMH				SLA	
Type	COOLANT CHANNEL				SIDE LOCK ARBOR	
Shank	SK (DIN 69871)	SK (DIN 69871)	BT (JIS B6339/MAS 403)	HSK (DIN 69893/ISO 12164)	CBT (BT DUAL CONTACT)	BT (JIS B6339/MAS 403)
Page	21	24	47	68	35	48
Tool Holder	 2.5G	 6.3G	 2.5G	 2.5G		

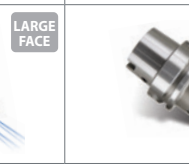
BEST OF TOOLING SYSTEM LIST

POWER MILLING CHUCK

Series	C	C				PART
Type	HIGH-SPEED	STANDARD			POWER MILLING CHUCK SET	SPANNER FOR MILLING CHUCK
Shank	SK (DIN 69871)	SK (DIN 69871)	BT (JIS B6339/MAS 403)	HSK (DIN 69893/ISO 12164)		
Page	28	28	50	72	79	93
Tool Holder						

SHELL MILL ARBOR

Series	SMA			SMA		
Type	STANDARD			COOLANT CHANNEL		
Shank	SK (DIN 69871)	CBT (BT DUAL CONTACT)	BT (JIS B6339/ MAS 403)	SK (DIN 69871)	SK (DIN 69871)	CBT (BT DUAL CONTACT)
Page	24	36	48	25	26	36
Tool Holder	 SMALL FACE	 SMALL FACE	 SMALL FACE	 LARGE FACE	 SMALL FACE	 SMALL FACE

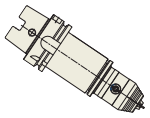
Series	SMA			CMA	
Type	COOLANT CHANNEL			COMBI SHELL MILL ARBOR	
Shank	BT (JIS B6339/MAS 403)	HSK (DIN 69893/ISO 12164)	HSK (DIN 69893/ISO 12164)	SK (DIN 69871)	BT (JIS B6339/MAS 403)
Page	49	70	71	27	50
Tool Holder	 SMALL FACE	 LARGE FACE	 SMALL FACE		

COPY MILL ARBOR

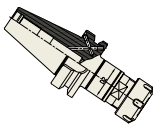
Series	M		
Type	STANDARD		
Shank	SK (DIN 69871)	BT (JIS B6339/ MAS 403)	HSK (DIN 69893/ ISO 12164)
Page	32	54	74
Tool Holder			

BEST OF TOOLING SYSTEM LIST

NC DRILL CHUCK

Series	HKD			NPU
Type	HEX. KEY TYPE			KEYLESS TYPE
Shank	SK (DIN 69871)	BT (JIS B6339/MAS 403)	HSK (DIN 69893/ISO 12164)	STRAIGHT TYPE
Page	33	55	75	78
Tool Holder				

SYNCHRO TAPPING CHUCK

Series	SYTER				SYTC
Type	ER COLLET				QUICK CHANGE TYPE
Shank	SK (DIN 69871)	BT (JIS B6339/MAS 403)	HSK (DIN 69893/ISO 12164)	STRAIGHT TYPE	SK (DIN 69871)
Page	30	52	73	77	30
Tool Holder					

TAPPING ER CHUCK

Series	TER	
Type	ER COLLET	
Shank	SK (DIN 69871)	BT (JIS B6339/MAS 403)
Page	31	52
Tool Holder		

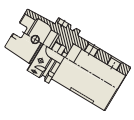
TAPPING CHUCK

Series	TC		
Type	QUICK CHANGE TYPE		
Standard	SK (DIN 69871)	BT (JIS B6339/MAS 403)	HSK (DIN 69893/ISO 12164)
Page	31	53	74
Tool Holder			

MORSE TAPER ARBOR

Series	MTA		
Shank	SK (DIN 69871)	BT (JIS B6339/ MAS 403)	HSK (DIN 69893/ ISO 12164)
Page	29	51	72
Tool Holder			

INDEXABLE DRILL HOLDER

Series	SL		
Standard	SK (DIN 69871)	BT (JIS B6339/ MAS 403)	HSK (DIN 69893/ ISO 12164)
Page	33	55	75
Tool Holder			

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BEST OF TOOLING SYSTEM LIST

ACCESSORY & OTHERS

Series	HK	HS	HF	UF	ERS
Type	COLLET (Reduction Sleeve : Open Type)	COLLET (Reduction Sleeve : Closed Type)	COLLET (Reduction Sleeve : Coolant Flush Type)	ER COLLET - UF	SEALED ER COLLET
Page	80	81	82	83 - 85	86 - 87
Tool Holder					

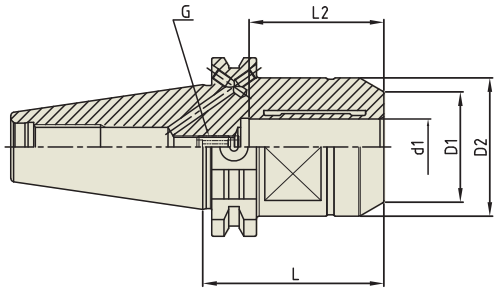
Series	ER HP	GER	RDTC	PART	SP
Type	ER COLLET (High Precision)	ER COLLET - GER (Ultra Precision)	TAP ER COLLET (DIN)	ER NUT	ER SPANNER / WRENCH
Page	88	89 - 90	91 - 92	93	95
Tool Holder					

Series	PART/DS	PART	TAP ADAPTOR (DIN)	
Type	SEALING DISK	POWER MILLING CHUCK (END MILL COLLET K-TYPE)	QUICK CHANGE TYPE (With safety clutch)	QUICK CHANGE TYPE (Without safety clutch)
Page	94	95	96	97
Tool Holder				

Series	PSB	CT
Type	PULL STUD BOLT	COOLANT TUBE (For HSK TAPER)
Page	98	98
Tool Holder		

HYDRAULIC CHUCK (Power E Hydro) HCP





DIN 69871-SK | AT3 | 2.5G | 25,000 RPM | (at 3D) ≤3μm | AD/B

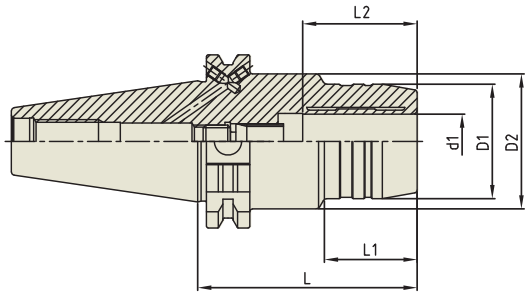
Unit : mm

TAPER No.	MODEL No.	EDP No.	d1	D1	D2	L	L2	G	WEIGHT (Kg)
40	SK40AD/B-HC12P-50	P2776651P	12	32	42	50	41	M8x1.0	1.00
	SK40AD/B-HC20P-64.5	P2534001P	20	39.3	49.3	64.5	48	M8x1.0	1.20
50	SK50AD/B-HC20P-64.5	P2756010P	20	39.3	49.3	64.5	48	M8x1.0	2.80
	SK50AD/B-HC32P-81	P2534002P	32	58.5	72	81	57	M8x1.0	3.90

- For applicable hydraulic chuck collet, please refer to page 80-82.
- Balancing grade G2.5 at 25,000 RPM or U max < 1 gmm.
- Supplied with clamping T-wrench.

HYDRAULIC CHUCK (Radial Tool Length Pre-setting Type) HCR





DIN 69871-SK | AT3 | 2.5G | 25,000 RPM | (at 3D) ≤3μm | AD/B

Unit : mm

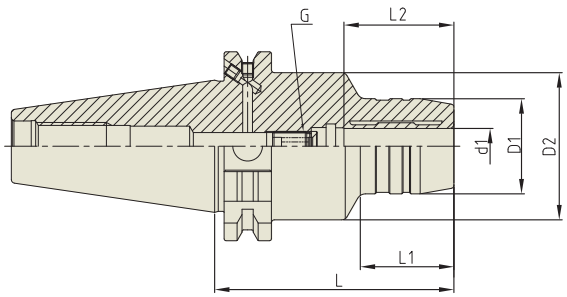
TAPER No.	MODEL No.	EDP No.	d1	D1	D2	L	L1	L2	WEIGHT (Kg)
40	SK40AD/B-HCR12-80.5	P2554018	12	32	49.5	80.5	31.5	37	1.50
	SK40AD/B-HCR20-80.5	P2554019	20	42	49.5	80.5	34	42	1.60

- For applicable hydraulic chuck collet, please refer to page 80-82.
- Balancing grade G2.5 at 25,000 RPM or U max < 1 gmm.
- Supplied with clamping T-wrench.

HYDRAULIC CHUCK (Standard)

HC







Unit : mm

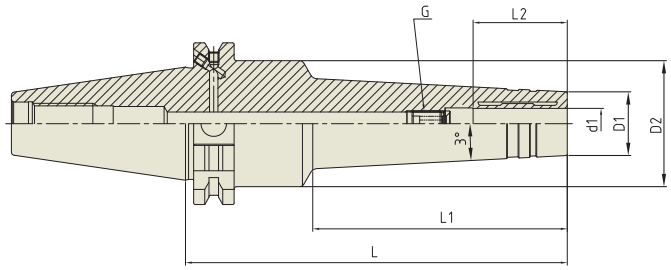
TAPER No.	MODEL No.	EDP No.	d1	D1	D2	L	L1	L2	G	WEIGHT (Kg)
40	SK40AD/B-HC6-80.5	P2554017	6	26	49.5	80.5	30	27	M5x0.8	1.31
	SK40AD/B-HC6-110	P2554016	6	26	49.5	110	29.5	27	M5x0.8	1.76
	SK40AD/B-HC8-80.5	P2554025	8	28	49.5	80.5	30	27	M6x1.0	1.34
	SK40AD/B-HC10-80.5	P2554004	10	30	49.5	80.5	31	32	M8x1.0	1.34
	SK40AD/B-HC10-110	P2554009	10	30	49.5	110	31	32	M8x1.0	1.76
	SK40AD/B-HC12-80.5	P2554011	12	32	49.5	80.5	31.5	37	M10x1.0	1.34
	SK40AD/B-HC12-110	P2554010	12	32	49.5	110	31.5	37	M10x1.0	1.76
	SK40AD/B-HC16-80.5	P2554013	16	38	49.5	80.5	33	42	M12x1.0	1.34
	SK40AD/B-HC16-110	P2554012	16	38	49.5	110	33	42	M12x1.0	1.76
	SK40AD/B-HC20-80.5	P2554015	20	42	49.5	80.5	34	42	M16x1.0	1.35
	SK40AD/B-HC20-110	P2554014	20	42	49.5	110	34	42	M16x1.0	1.78
	SK40AD/B-HC25-80.5	P2770103	25	55	66	80.5	22	48	M16x1.0	1.75
50	SK50AD/B-HC10-80.5	P2770106	10	30	49.5	80.5	32	32	M8x1.0	3.00
	SK50AD/B-HC12-80.5	P2770118	12	32	49.5	80.5	35	37	M10x1.0	3.05
	SK50AD/B-HC16-80.5	P2770108	16	38	49.5	80.5	40	42	M12x1.0	3.10
	SK50AD/B-HC20-80.5	P2770119	20	42	49.5	80.5	40	42	M16x1.0	3.15

- For applicable hydraulic chuck collet, please refer to page 80-82.
- Balancing grade G2.5 at 25,000 RPM or U max < 1 gmm.
- Supplied with clamping T-wrench.

HYDRAULIC CHUCK (For Mold and Die)

HMC





DIN 69871-SK | AT3 | 2.5G | 25,000 RPM | (at 3D) ≤3μm | AD/B

Unit : mm

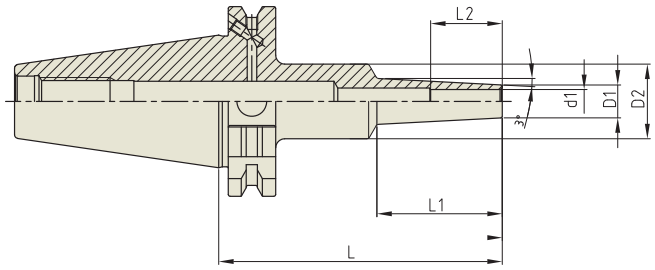
TAPER No.	MODEL No.	EDP No.	d1	D1	D2	L	L1	L2	G	WEIGHT (Kg)
40	SK40AD/B-HMC6-120	P2770701	6	20	49.5	120	70	27	M5×0.8	1.40
	SK40AD/B-HMC6-150	P2770702	6	20	49.5	150	100	27	M5×0.8	1.65
	SK40AD/B-HMC8-120	P2770703	8	22	49.5	120	70	27	M6×1.0	1.40
	SK40AD/B-HMC8-150	P2770704	8	22	49.5	150	100	27	M6×1.0	1.65
	SK40AD/B-HMC10-120	P2770705	10	24	49.5	120	70	32	M8×1.0	1.40
	SK40AD/B-HMC10-150	P2770706	10	24	49.5	150	100	32	M8×1.0	1.65
	SK40AD/B-HMC12-120	P2770707	12	25	49.5	120	70	37	M10×1.0	1.40
	SK40AD/B-HMC12-150	P2770708	12	25	49.5	150	100	37	M10×1.0	1.65
	SK40AD/B-HMC20-120	P2770711	20	34	49.5	120	70	42	M16×1.0	1.50
	SK40AD/B-HMC20-150	P2770712	20	34	49.5	150	100	42	M16×1.0	1.70

- For applicable hydraulic chuck collet, please refer to page 80-82.
- Balancing grade G2.5 at 25,000 RPM or U max < 1 gmm.
- Supplied with clamping T-wrench.

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SHRINK FIT HOLDER (Extra Slim)

SFHS



DIN 69871-SK | AT3 | 2.5G | 25,000 RPM | (I.D) ≤3㎛ | AD/B

Unit : mm

TAPER No.	MODEL No.	EDP No.	d1	D1	D2	L	L1	L2	WEIGHT (Kg)
40	SK40AD/B-SFHS3-95	P2771338S	3	6	25	95	42	9	0.89
	SK40AD/B-SFHS3-120	P2771339S	3	6	25	120	67	9	0.91
	SK40AD/B-SFHS4-95	P2771340S	4	7	25	95	42	12	0.90
	SK40AD/B-SFHS4-120	P2771341S	4	7	25	120	67	12	0.92
	SK40AD/B-SFHS6-95	P2771342S	6	9	25	95	42	18	0.90
	SK40AD/B-SFHS6-120	P2771343S	6	9	25	120	67	18	0.93
	SK40AD/B-SFHS8-95	P2771344S	8	11	25	95	42	24	0.90
	SK40AD/B-SFHS8-120	P2771345S	8	11	32	120	67	24	1.01
	SK40AD/B-SFHS10-95	P2771346S	10	13	25	95	42	30	0.91
	SK40AD/B-SFHS10-120	P2771347S	10	13	32	120	67	30	1.02
	SK40AD/B-SFHS12-95	P2771348S	12	15	32	95	42	30	0.99
	SK40AD/B-SFHS12-120	P2771349S	12	15	32	120	67	30	1.02

▶ Balancing grade G2.5 at 25,000 RPM or U max < 1 gmm.

SHRINK FIT HOLDER

SFH



DIN 69871-SK | AT3 | 2.5G | 25,000 RPM | (LD) ≤3μm | AD/B

FIG.1

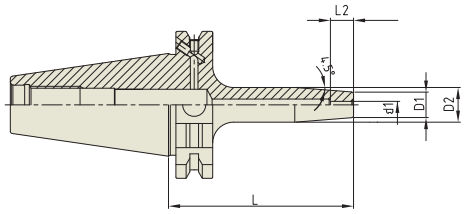
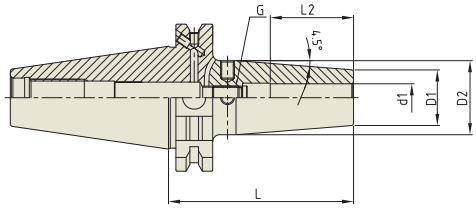


FIG.2



Unit : mm

TAPER No.	MODEL No.	EDP No.	d1	D1	D2	L	L2	G	FIG.	WEIGHT (Kg)
40	SK40AD/B-SFH3-80	P2771301	3	11	15	80	10	-	1	1.00
	SK40AD/B-SFH3-120	P2771336	3	11	15	120	10	-	1	-
	SK40AD/B-SFH3-160	P2771337	3	11	15	160	10	-	1	-
	SK40AD/B-SFH4-80	P2771302	4	11	15	80	12	-	1	1.00
	SK40AD/B-SFH4-120	P2771340	4	11	15	120	12	-	1	-
	SK40AD/B-SFH4-160	P2771341	4	11	15	160	12	-	1	-
	SK40AD/B-SFH5-80	P2771303	5	11	15	80	15	-	1	1.00
	SK40AD/B-SFH5-120	P2771342	5	11	15	120	15	-	1	-
	SK40AD/B-SFH5-160	P2771343	5	11	15	160	15	-	1	-
	SK40AD/B-SFH6-80	P2554058	6	21	27	80	36	M5×0.8	2	1.10
	SK40AD/B-SFH6-120	P2554057	6	21	27	120	36	M5×0.8	2	-
	SK40AD/B-SFH6-160	P2771304	6	21	27	160	36	M5×0.8	2	1.15
	SK40AD/B-SFH8-80	P2600009	8	21	27	80	36	M6×1.0	2	1.11
	SK40AD/B-SFH8-120	P2771344	8	21	27	120	36	M6×1.0	2	-
	SK40AD/B-SFH8-160	P2771305	8	21	27	160	36	M6×1.0	2	1.15
	SK40AD/B-SFH10-80	P2554052	10	24	32	80	42	M8×1.0	2	1.10
	SK40AD/B-SFH10-120	P2554051	10	24	32	120	42	M8×1.0	2	-
	SK40AD/B-SFH10-160	P2771306	10	24	32	160	42	M8×1.0	2	1.15
	SK40AD/B-SFH12-80	P2600008	12	24	32	80	47	M10×1.0	2	1.10
	SK40AD/B-SFH12-120	P2771332	12	24	32	120	47	M10×1.0	2	-
	SK40AD/B-SFH12-160	P2771307	12	24	32	160	47	M10×1.0	2	1.15
	SK40AD/B-SFH16-80	P2554054	16	27	34	80	50	M12×1.0	2	1.20
	SK40AD/B-SFH16-120	P2771333	16	27	34	120	50	M12×1.0	2	-
	SK40AD/B-SFH16-160	P2554053	16	27	34	160	50	M12×1.0	2	1.50
	SK40AD/B-SFH18-80	P2771321	18	33	42	80	50	M12×1.0	2	1.30
	SK40AD/B-SFH20-80	P2554056	20	33	42	80	52	M16×1.0	2	1.60
	SK40AD/B-SFH20-120	P2771334	20	33	42	120	52	M16×1.0	2	-
	SK40AD/B-SFH20-160	P2554055	20	33	42	160	52	M16×1.0	2	1.70
	SK40AD/B-SFH25-90	P2771323	25	44	53	90	58	M16×1.0	2	1.70
	SK40AD/B-SFH25-100	P2771335	25	44	53	100	58	M16×1.0	2	-
	SK40AD/B-SFH25-160	P2771324	25	44	53	160	58	M16×1.0	2	2.00
	SK40AD/B-SFH32-100	P2771338	32	44	53	100	63	M16×1.0	2	-
	SK40AD/B-SFH32-160	P2771339	32	44	53	160	63	M16×1.0	2	-

▶ Supplied without balancing screws.
▶ Balancing grade G2.5 at 25,000 RPM or U max < 1 gmm.

▶ NEXT PAGE

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SHRINK FIT HOLDER

SFH



FIG.1

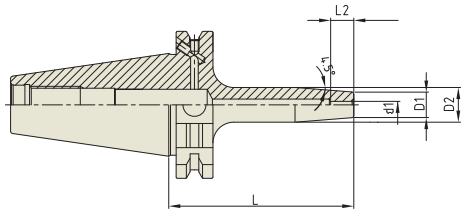
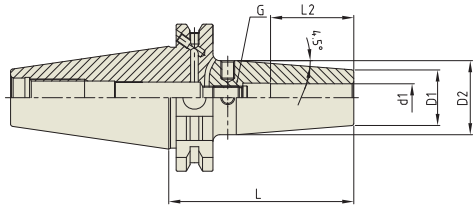


FIG.2



DIN 69871-SK | AT3 | 2.5G | 25,000 RPM | (LD) ≤3μm | AD/B

Unit : mm

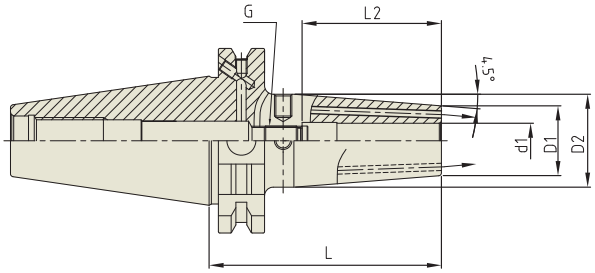
TAPER No.	MODEL No.	EDP No.	d1	D1	D2	L	L2	G	FIG.	WEIGHT (Kg)
50	SK50AD/B-SFH5-80	P2771327	5	11	15	100	15	-	1	1.50
	SK50AD/B-SFH6-80	P2771328	6	21	27	80	36	M5×0.8	2	1.50
	SK50AD/B-SFH8-80	P2760010	8	21	27	80	36	M6×1.0	2	1.50
	SK50AD/B-SFH8-160	P2760015	8	21	27	160	36	M6×1.0	2	2.00
	SK50AD/B-SFH10-80	P2761010	10	24	32	80	42	M8×1.0	2	1.50
	SK50AD/B-SFH12-80	P2762010	12	24	32	80	47	M10×1.0	2	1.50
	SK50AD/B-SFH12-160	P2762015	12	24	32	160	47	M10×1.0	2	2.00
	SK50AD/B-SFH16-80	P2764010	16	27	34	80	50	M12×1.0	2	1.60
	SK50AD/B-SFH16-160	P2764015	16	27	34	160	50	M12×1.0	2	2.10

▶ Supplied without balancing screws.
▶ Balancing grade G2.5 at 25,000 RPM or U max < 1 gmm.

SHRINK FIT HOLDER (Coolant Channel)

SFHC





DIN 69871-SK | AT3 | 2.5G | 25,000 RPM | (LD) ≤3μm | AD/B+C

Unit : mm

TAPER No.	MODEL No.	EDP No.	d1	D1	D2	L	L2	G	WEIGHT (Kg)
40	SK40AD/B-SFH6C-80	P2801301C	6	21	27	80	36	M5x0.8	1.10
	SK40AD/B-SFH6C-120	P2771368C	6	21	27	120	36	M5x0.8	1.15
	SK40AD/B-SFH6C-160	P2801302C	6	21	27	160	36	M5x0.8	1.15
	SK40AD/B-SFH8C-80	P2801303C	8	21	27	80	36	M6x1.0	1.11
	SK40AD/B-SFH8C-120	P2771369C	8	21	27	120	36	M6x1.0	-
	SK40AD/B-SFH8C-160	P2801304C	8	21	27	160	36	M6x1.0	1.15
	SK40AD/B-SFH10C-80	P2801305C	10	24	32	80	42	M8x1.0	1.10
	SK40AD/B-SFH10C-120	P2771362C	10	24	32	120	42	M8x1.0	-
	SK40AD/B-SFH10C-160	P2801306C	10	24	32	160	42	M8x1.0	1.15
	SK40AD/B-SFH12C-80	P2801307C	12	24	32	80	47	M10x1.0	1.10
	SK40AD/B-SFH12C-120	P2771363C	12	24	32	120	47	M10x1.0	-
	SK40AD/B-SFH12C-160	P2801308C	12	24	32	160	47	M10x1.0	1.15
	SK40AD/B-SFH16C-80	P2801311C	16	27	34	80	50	M12x1.0	1.20
	SK40AD/B-SFH16C-120	P2771364C	16	27	34	120	50	M12x1.0	-
	SK40AD/B-SFH16C-160	P2801312C	16	27	34	160	50	M12x1.0	1.50
	SK40AD/B-SFH20C-80	P2801315C	20	33	42	80	52	M16x1.0	1.40
	SK40AD/B-SFH20C-120	P2771365C	20	33	42	120	52	M16x1.0	1.40
	SK40AD/B-SFH20C-160	P2801316C	20	33	42	160	52	M16x1.0	1.70
	SK40AD/B-SFH25C-90	P2801317C	25	44	53	90	58	M16x1.0	1.70
	SK40AD/B-SFH25C-100	P2771366C	25	44	53	100	58	M16x1.0	-
	SK40AD/B-SFH25C-160	P2801318C	25	44	53	160	58	M16x1.0	-
	SK40AD/B-SFH32C-100	P2771367C	32	44	53	100	63	M16x1.0	-

▶ NEXT PAGE

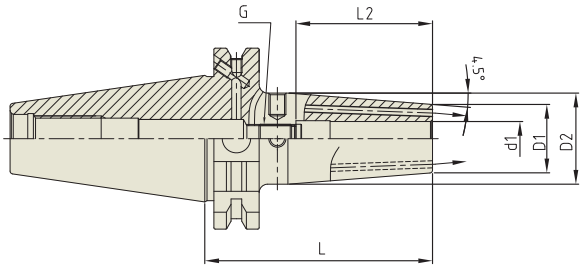
- ▶ Supplied without balancing screw.
- ▶ Balancing grade G2.5 at 25,000 RPM or U max <1 gmm.
- ▶ With two coolant channel bores.
- ▶ Resealable coolant channel type is available upon request.
  (Thread for plugging screws & 2 screws)

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SHRINK FIT HOLDER (Coolant Channel)

SFHC





DIN 69871-SK | AT3 | 2.5G | 25,000 RPM | (I.D) ≤3μm | AD/B+C

Unit : mm

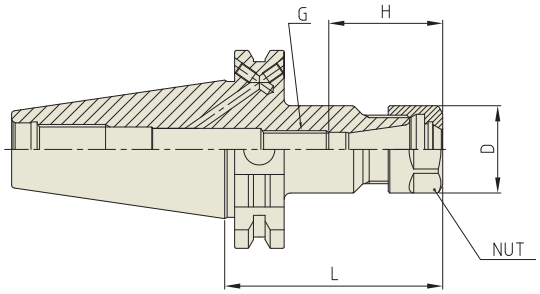
TAPER No.	MODEL No.	EDP No.	d1	D1	D2	L	L2	G	WEIGHT (Kg)
50	SK50AD/B-SFH6C-80	P2801319C	6	21	27	80	36	M5x0.8	1.50
	SK50AD/B-SFH6C-160	P2801320C	6	21	27	160	36	M5x0.8	2.00
	SK50AD/B-SFH8C-80	P2801321C	8	21	27	80	36	M6x1.0	1.50
	SK50AD/B-SFH8C-160	P2801322C	8	21	27	160	36	M6x1.0	2.00
	SK50AD/B-SFH10C-80	P2801323C	10	24	32	80	42	M8x1.0	1.50
	SK50AD/B-SFH10C-160	P2801324C	10	24	32	160	42	M8x1.0	2.00
	SK50AD/B-SFH12C-80	P2801325C	12	24	32	80	47	M10x1.0	1.60
	SK50AD/B-SFH12C-160	P2801326C	12	24	32	160	47	M10x1.0	2.10
	SK50AD/B-SFH16C-80	P2801329C	16	27	34	80	50	M12x1.0	1.60
	SK50AD/B-SFH16C-160	P2801330C	16	27	34	160	50	M12x1.0	2.10
	SK50AD/B-SFH20C-80	P2801333C	20	33	42	80	52	M16x1.0	1.80
	SK50AD/B-SFH20C-160	P2801334C	20	33	42	160	52	M16x1.0	2.20
	SK50AD/B-SFH25C-90	P2801335C	25	44	53	90	58	M16x1.0	2.00
	SK50AD/B-SFH25C-160	P2801336C	25	44	53	160	58	M16x1.0	2.40

- Supplied without balancing screw.
- Balancing grade G2.5 at 25,000 RPM or U max <1 gmm.
- With two coolant channel bores.
- Resealable coolant channel type is available upon request.
  (Thread for plugging screws & 2 screws)

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ER





DIN 69871-SK | AT3 | 2.5G | 25,000 RPM | AD/B

Unit : mm

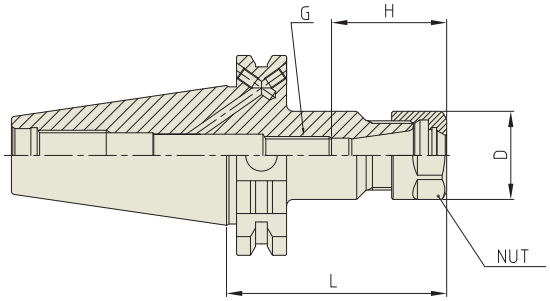
TAPER No.	MODEL No.	EDP No.	CLAMPING RANGE	L	D	G	H	NUT/ COLLET	WEIGHT (Kg)
40	SK40AD/B-ER11-70	P2774812	0.5 - 7.0	70	19	M6	45	ER11	0.90
	SK40AD/B-ER11-100	P2774826	0.5 - 7.0	100	19	M6	45	ER11	0.95
	SK40AD/B-ER16-70	P2774801	0.5 - 10.0	70	28	M10	45	ER16	0.44
	SK40AD/B-ER16-100	P2774804	0.5 - 10.0	100	28	M10	45	ER16	0.56
	SK40AD/B-ER16-130	P2774827	0.5 - 10.0	130	28	M10	45	ER16	0.69
	SK40AD/B-ER16-160	P2774828	0.5 - 10.0	160	28	M10	45	ER16	0.81
	SK40AD/B-ER16-200	P2774848	0.5 - 10.0	200	28	M10	45	ER16	0.95
	SK40AD/B-ER20-70	P2774813	0.5 - 13.0	70	34	M12	50	ER20	0.47
	SK40AD/B-ER20-100	P2774820	0.5 - 13.0	100	34	M12	50	ER20	0.64
	SK40AD/B-ER20-130	P2774829	0.5 - 13.0	130	34	M12	50	ER20	0.80
	SK40AD/B-ER20-160	P2774830	0.5 - 13.0	160	34	M12	50	ER20	1.00
	SK40AD/B-ER20-200	P2774849	0.5 - 13.0	200	34	M12	50	ER20	1.25
	SK40AD/B-ER25-70	P2774802	1.0 - 16.0	70	42	M12	65	ER25	0.56
	SK40AD/B-ER25-100	P2774805	1.0 - 16.0	100	42	M12	65	ER25	0.84
	SK40AD/B-ER25-130	P2774831	1.0 - 16.0	130	42	M12	65	ER25	1.14
	SK40AD/B-ER25-160	P2774832	1.0 - 16.0	160	42	M12	65	ER25	1.44
	SK40AD/B-ER25-200	P2774850	1.0 - 16.0	200	42	M12	65	ER25	1.94
	SK40AD/B-ER32-70	P2774803	1.0 - 20.0	70	50	M12	65	ER32	0.51
	SK40AD/B-ER32-100	P2774806	1.0 - 20.0	100	50	M12	65	ER32	0.88
	SK40AD/B-ER32-130	P2774833	1.0 - 20.0	130	50	M12	65	ER32	1.21
	SK40AD/B-ER32-160	P2774834	1.0 - 20.0	160	50	M12	65	ER32	1.54
	SK40AD/B-ER32-200	P2774851	1.0 - 20.0	200	50	M12	65	ER32	1.94
	SK40AD/B-ER40-80	P2774814	2.0 - 30.0	80	63	M12	75	ER40	0.65
	SK40AD/B-ER40-100	P2774835	2.0 - 30.0	100	63	M12	75	ER40	0.90
	SK40AD/B-ER40-130	P2774836	2.0 - 30.0	130	63	M12	75	ER40	1.34
	SK40AD/B-ER40-160	P2774837	2.0 - 30.0	160	63	M12	75	ER40	1.77
	SK40AD/B-ER40-200	P2774852	2.0 - 30.0	200	63	M12	75	ER40	2.27
50	SK50AD/B-ER16-70	P2774815	0.5 - 10.0	70	28	M10	45	ER16	2.71
	SK50AD/B-ER20-70	P2774816	0.5 - 13.0	70	34	M12	50	ER20	2.78
	SK50AD/B-ER20-100	P2774822	0.5 - 13.0	100	34	M12	50	ER20	2.88
	SK50AD/B-ER25-70	P2774817	1.0 - 16.0	70	42	M12	65	ER25	2.75
	SK50AD/B-ER25-100	P2774823	1.0 - 16.0	100	42	M12	65	ER25	3.06
	SK50AD/B-ER32-70	P2774818	1.0 - 20.0	70	50	M12	65	ER32	2.84
	SK50AD/B-ER32-100	P2774824	1.0 - 20.0	100	50	M12	65	ER32	3.29
	SK50AD/B-ER40-80	P2774819	2.0 - 30.0	80	63	M12	75	ER40	3.10

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DIN 69871-SK | AT3 | 6.3G | 15,000 RPM | AD/B

Unit : mm

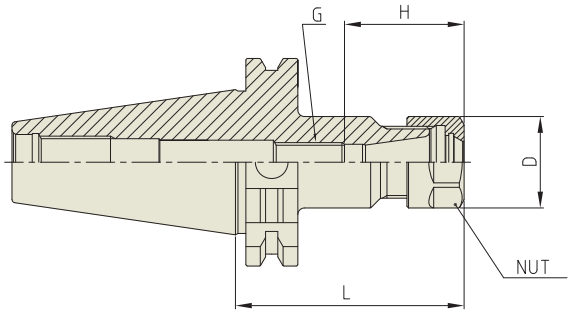
TAPER No.	MODEL No.	EDP No.	CLAMPING RANGE	L	D	G	H	NUT/ COLLET	WEIGHT (Kg)
40	SK40AD/B-ER16-70	P2537033	0.5 - 10.0	70	28	M12	45	ER16	0.44
	SK40AD/B-ER16-100	P2537017	0.5 - 10.0	100	28	M12	45	ER16	0.56
	SK40AD/B-ER20-70	P2537034	0.5 - 13.0	70	34	M12	50	ER20	0.47
	SK40AD/B-ER20-100	P2537018	0.5 - 13.0	100	34	M12	50	ER20	0.64
	SK40AD/B-ER25-70	P2537009	1.0 - 16.0	70	42	M12	65	ER25	0.56
	SK40AD/B-ER25-100	P2537019	1.0 - 16.0	100	42	M12	65	ER25	0.84
	SK40AD/B-ER32-70	P2537032	1.0 - 20.0	70	50	M12	65	ER32	0.51
	SK40AD/B-ER32-100	P2537020	1.0 - 20.0	100	50	M12	65	ER32	0.88
	SK40AD/B-ER40-80	P2537011	2.0 - 30.0	80	63	M12	75	ER40	0.65
50	SK50AD/B-ER25-70	P2600030	1.0 - 16.0	70	42	M12	65	ER25	2.75
	SK50AD/B-ER25-100	P2537023	1.0 - 16.0	100	42	M12	65	ER25	3.06
	SK50AD/B-ER32-70	P2537035	1.0 - 20.0	70	50	M12	65	ER32	2.84
	SK50AD/B-ER32-100	P2537024	1.0 - 20.0	100	50	M12	65	ER32	3.29

▶ For applic.able ER collet, please refer to page 83-92.
▶ For applic.able ER nut, please refer to page 93, Sealing disk & spanner page 94-95.

ER COLLET CHUCK

ER





DIN 69871-SK | AT3 | 6.3G | 15,000 RPM | AD

Unit : mm

TAPER No.	MODEL No.	EDP No.	CLAMPING RANGE	L	D	G	H	NUT/ COLLET	WEIGHT (Kg)
40	SK40-ER11-70	P2527006	0.5 - 7.0	70	19	M6	45	ER11	0.90
	SK40-ER16-70	P2776417	0.5 - 10.0	70	28	M10	45	ER16	0.44
	SK40-ER16-100	P2527018	0.5 - 10.0	100	28	M10	45	ER16	0.56
	SK40-ER16-160	P2527029	0.5 - 10.0	160	28	M10	45	ER16	0.81
	SK40-ER20-70	P2776418	0.5 - 13.0	70	34	M12	50	ER20	0.47
	SK40-ER20-100	P2527019	0.5 - 13.0	100	34	M12	50	ER20	0.64
	SK40-ER25-70	P2776419	1.0 - 16.0	70	42	M12	65	ER25	0.56
	SK40-ER25-100	P2776429	1.0 - 16.0	100	42	M12	65	ER25	0.84
	SK40-ER32-70	P2776420	1.0 - 20.0	70	50	M12	65	ER32	0.51
	SK40-ER32-100	P2776430	1.0 - 20.0	100	50	M12	65	ER32	0.88
	SK40-ER40-80	P2527011	2.0 - 30.0	80	63	M12	75	ER40	0.65
	SK40-ER40-100	P2527036	2.0 - 30.0	100	63	M12	75	ER40	0.90
50	SK50-ER16-70	P2527012	0.5 - 10.0	70	28	M12	45	ER16	2.71
	SK50-ER25-70	P2776424	1.0 - 16.0	70	42	M12	65	ER25	2.75
	SK50-ER25-100	P2527024	1.0 - 16.0	100	42	M12	65	ER25	3.06
	SK50-ER25-160	P2527044	1.0 - 16.0	160	42	M12	65	ER25	3.57
	SK50-ER32-70	P2776425	1.0 - 20.0	70	50	M12	65	ER32	2.84
	SK50-ER32-100	P2527025	1.0 - 20.0	100	50	M12	65	ER32	3.29
	SK50-ER32-160	P2527046	1.0 - 20.0	160	50	M12	65	ER32	4.06

▶ For applic.able ER collet, please refer to page 83-92.
▶ For applic.able ER nut, please refer to page 93, Sealing disk & spanner page 94-95.

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END MILL HOLDER

EMH



DIN 69871-SK | AT3 | 2.5G | 25,000 RPM | AD/B

FIG.1

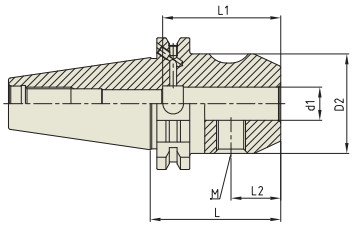
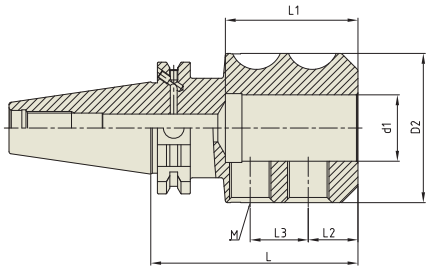


FIG.2



Unit : mm

TAPER No.	MODEL No.	EDP No.	d1	D2	L	L1	L2	L3	M	FIG.	WEIGHT (Kg)
40	SK40AD/B-EMH6-50	P2779030	6	25	50	35	18	-	M6	1	0.86
	SK40AD/B-EMH6-100	P2779137	6	25	100	35	18	-	M6	1	-
	SK40AD/B-EMH6-130	P2779138	6	25	130	35	18	-	M6	1	-
	SK40AD/B-EMH6-160	P2779139	6	25	160	35	18	-	M6	1	-
	SK40AD/B-EMH8-50	P2779031	8	28	50	35	18	-	M8	1	0.89
	SK40AD/B-EMH8-100	P2779140	8	28	100	35	18	-	M8	1	-
	SK40AD/B-EMH8-130	P2779170	8	28	130	35	18	-	M8	1	-
	SK40AD/B-EMH8-160	P2779171	8	28	160	35	18	-	M8	1	-
	SK40AD/B-EMH10-50	P2779032	10	35	50	39	20	-	M10	1	0.95
	SK40AD/B-EMH10-100	P2779088	10	35	100	39	20	-	M10	1	-
	SK40AD/B-EMH10-130	P2779089	10	35	130	39	20	-	M10	1	-
	SK40AD/B-EMH10-160	P2779090	10	35	160	39	20	-	M10	1	-
	SK40AD/B-EMH12-50	P2779033	12	42	50	46	22.5	-	M12	1	1.03
	SK40AD/B-EMH12-100	P2779091	12	42	100	46	22.5	-	M12	1	-
	SK40AD/B-EMH12-130	P2779092	12	42	130	46	22.5	-	M12	1	-
	SK40AD/B-EMH12-160	P2779093	12	42	160	46	22.5	-	M12	1	-
	SK40AD/B-EMH16-63	P2779034	16	48	63	57	24	-	M14	1	1.26
	SK40AD/B-EMH16-100	P2779094	16	48	100	57	24	-	M14	1	-
	SK40AD/B-EMH16-130	P2779095	16	48	130	57	24	-	M14	1	-
	SK40AD/B-EMH16-160	P2779096	16	48	160	57	24	-	M14	1	-
	SK40AD/B-EMH20-63	P2779035	20	52	63	52	25	-	M16	1	1.28
	SK40AD/B-EMH20-100	P2779098	20	52	100	52	25	-	M16	1	-
	SK40AD/B-EMH20-130	P2779099	20	52	130	52	25	-	M16	1	-
	SK40AD/B-EMH20-160	P2779100	20	52	160	52	25	-	M16	1	-
	SK40AD/B-EMH25-100	P2779036	25	65	100	60	24	25	M18	2	2.28
	SK40AD/B-EMH25-160	P2779131	25	65	160	60	24	25	M18	2	-
	SK40AD/B-EMH32-100	P2779037	32	72	100	64	24	28	M20	2	2.50
	SK40AD/B-EMH32-160	P2779133	32	72	100	64	24	28	M20	2	-
	SK40AD/B-EMH40-120	P2779135	40	80	120	74	30	32	M20	2	-
	SK40AD/B-EMH40-160	P2779136	40	80	160	74	30	32	M20	2	-

▶ NEXT PAGE

- ▶ Balancing grade G2.5 at 25,000 RPM or U max <1 gmm.
- ▶ Standard End Mill Holder is for a cutting tool with Weldon shank and End Mill Holder for a cutting tool with Whistle notch shank is available upon request.
- ▶ Combi-style holder with ball jointed clamping screw which can be used with cutting tools with weldon and Whistle notch shank is available.

END MILL HOLDER

EMH



DIN 69871-SK | AT3 | 2.5G | 25,000 RPM | AD/B

FIG.1

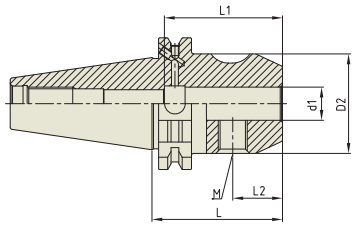
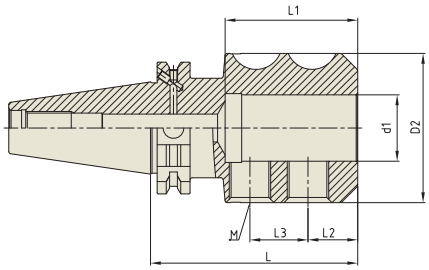


FIG.2



Unit : mm

TAPER No.	MODEL No.	EDP No.	d1	D2	L	L1	L2	L3	M	FIG.	WEIGHT (Kg)
50	SK50AD/B-EMH6-63	P2779038	6	25	50	35	18	-	M6	1	2.70
	SK50AD/B-EMH8-63	P2779039	8	28	50	35	18	-	M8	1	2.70
	SK50AD/B-EMH10-63	P2779040	10	35	50	39	20	-	M10	1	2.90
	SK50AD/B-EMH12-63	P2779041	12	42	63	46	22.5	-	M12	1	2.90
	SK50AD/B-EMH16-63	P2779042	16	48	63	49	24	-	M14	1	3.00
	SK50AD/B-EMH20-63	P2779043	20	52	63	52	25	-	M16	1	3.05
	SK50AD/B-EMH25-80	P2779044	25	65	80	60	24	25	M18	2	3.73
	SK50AD/B-EMH32-100	P2779045	32	72	100	64	24	28	M20	2	4.53

- Balancing grade G2.5 at 25,000 RPM or U max <1 gmm.
- Standard End Mill Holder is for a cutting tool with Weldon shank and End Mill Holder for a cutting tool with Whistle notch shank is available upon request.
- Combi-style holder with ball jointed clamping screw which can be used with cutting tools with weldon and Whistle notch shank is available.

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END MILL HOLDER (Coolant Channel)

EMH



DIN 69871-SK | AT3 | 2.5G | 25,000 RPM | AD/B+C

FIG.1

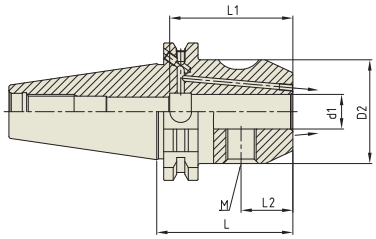
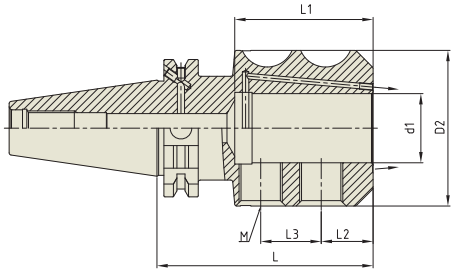


FIG.2



Unit : mm

TAPER No.	MODEL No.	EDP No.	d1	D2	L	L1	L2	L3	M	FIG.	WEIGHT (Kg)
40	SK40AD/B-EMH6C-50	P2779048	6	25	50	35	18	-	M6	1	0.86
	SK40AD/B-EMH6C-100	P2779082	6	25	100	35	18	-	M6	1	-
	SK40AD/B-EMH6C-130	P2779083	6	25	130	35	18	-	M6	1	-
	SK40AD/B-EMH6C-160	P2779084	6	25	160	35	18	-	M6	1	-
	SK40AD/B-EMH8C-50	P2779049	8	28	50	35	18	-	M8	1	0.89
	SK40AD/B-EMH8C-100	P2779085	8	28	100	35	18	-	M8	1	-
	SK40AD/B-EMH8C-130	P2779086	8	28	130	35	18	-	M8	1	-
	SK40AD/B-EMH8C-160	P2779087	8	28	160	35	18	-	M8	1	-
	SK40AD/B-EMH10C-50	P2779050	10	35	50	39	20	-	M10	1	0.95
	SK40AD/B-EMH10C-100	P2779070	10	35	100	39	20	-	M10	1	-
	SK40AD/B-EMH10C-130	P2779071	10	35	130	39	20	-	M10	1	-
	SK40AD/B-EMH10C-160	P2779072	10	35	160	39	20	-	M10	1	-
	SK40AD/B-EMH12C-50	P2779051	12	42	50	46	22.5	-	M12	1	1.03
	SK40AD/B-EMH12C-100	P2779073	12	42	100	46	22.5	-	M12	1	-
	SK40AD/B-EMH12C-130	P2779074	12	42	130	46	22.5	-	M12	1	-
	SK40AD/B-EMH12C-160	P2779075	12	42	160	46	22.5	-	M12	1	-
	SK40AD/B-EMH16C-63	P2779053	16	48	63	57	24	-	M14	1	1.28
	SK40AD/B-EMH16C-100	P2779076	16	48	100	57	24	-	M14	1	-
	SK40AD/B-EMH16C-130	P2779077	16	48	130	57	24	-	M14	1	-
	SK40AD/B-EMH16C-160	P2779078	16	48	63	57	24	-	M14	1	-
	SK40AD/B-EMH20C-63	P2779055	20	52	63	54	25	-	M16	1	1.28
	SK40AD/B-EMH20C-100	P2779079	20	52	100	54	25	-	M16	1	-
	SK40AD/B-EMH20C-130	P2779080	20	52	130	54	25	-	M16	1	-
	SK40AD/B-EMH20C-160	P2779081	20	52	160	54	25	-	M16	1	-
	SK40AD/B-EMH25C-100	P2779056	25	65	100	60	24	25	M18	2	2.28
	SK40AD/B-EMH32C-100	P2779057	32	72	100	64	24	28	M20	2	2.50
50	SK50AD/B-EMH6C-63	P2779058	6	25	50	35	18	-	M6	1	2.70
	SK50AD/B-EMH8C-63	P2779059	8	28	50	35	18	-	M8	1	2.70
	SK50AD/B-EMH10C-63	P2779060	10	35	50	39	20	-	M10	1	2.90
	SK50AD/B-EMH12C-63	P2779061	12	42	63	46	22.5	-	M12	1	2.90
	SK50AD/B-EMH16C-63	P2779063	16	48	63	49	24	-	M14	1	3.00
	SK50AD/B-EMH25C-80	P2779066	25	65	80	60	24	25	M18	2	3.73

- Balancing grade G2.5 at 25,000 RPM or U max <1 gmm.
- Standard End Mill Holder is for a cutting tool with Weldon shank and End Mill Holder for a cutting tool with Whistle notch shank is available upon request.
- Combi-style holder with ball jointed clamping screw which can be used with cutting tools with weldon and Whistle notch shank is available.

END MILL HOLDER

EMH



DIN 69871-SK | AT3 | 6.3G | 15,000 RPM | AD

FIG.1

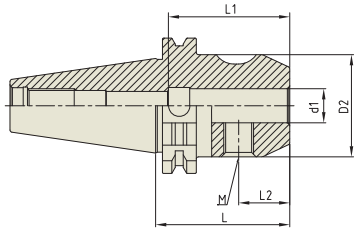
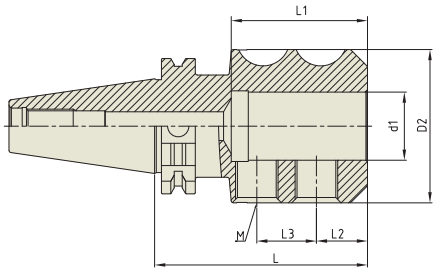


FIG.2



Unit : mm

TAPER No.	MODEL No.	EDP No.	d1	D2	L	L1	L2	L3	M	FIG.	WEIGHT (Kg)
40	SK40-EMH6-50	P2521009	6	25	50	35	18	-	M6	1	0.86
	SK40-EMH8-50	P2521010	8	28	50	35	18	-	M8	1	0.89
	SK40-EMH10-50	P2521011	10	35	50	39	20	-	M10	1	0.95
	SK40-EMH12-50	P2521012	12	42	50	46	22.5	-	M12	1	1.03
	SK40-EMH16-63	P2521013	16	48	63	57	24	-	M14	1	1.26
	SK40-EMH20-63	P2521014	20	52	63	54	25	-	M16	1	1.28
	SK40-EMH25-100	P2521015	25	65	100	60	24	25	M18	2	2.28
	SK40-EMH32-100	P2521016	32	72	100	64	24	28	M20	2	2.50
50	SK50-EMH10-63	P2521019	10	35	50	39	20	-	M10	1	2.90
	SK50-EMH20-63	P2521022	20	52	63	52	25	-	M16	1	3.05
	SK50-EMH25-80	P2521023	25	65	80	60	24	25	M18	2	3.73
	SK50-EMH32-100	P2521024	32	72	100	64	24	28	M20	2	4.53

- Standard End Mill Holder is for a cutting tool with Weldon shank and End Mill Holder for a cutting tool with Whistle notch shank is available upon request.
- Combi-style holder with ball jointed clamping screw which can be used with cutting tools with weldon and Whistle notch shank is available.

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END MILL HOLDER

EMH



FIG.1

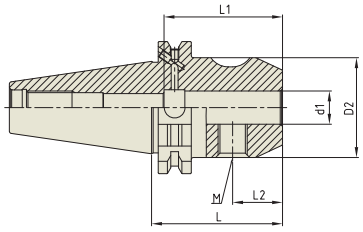
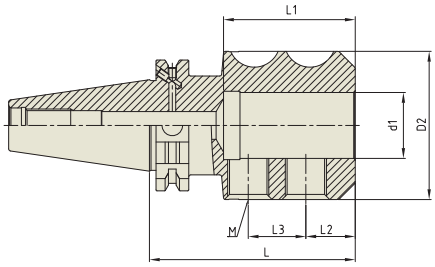


FIG.2



DIN 69871-SK | AT3 | 6.3G | 15,000 RPM | AD/B

Unit : mm

TAPER No.	MODEL No.	EDP No.	d1	D2	L	L1	L2	L3	M	FIG.	WEIGHT (Kg)
40	SK40AD/B-EMH6-50	P2531009	6	25	50	35	18	-	M6	1	0.86
	SK40AD/B-EMH8-50	P2531010	8	28	50	35	18	-	M8	1	0.89
	SK40AD/B-EMH10-50	P2531011	10	35	50	39	20	-	M10	1	0.95
	SK40AD/B-EMH12-50	P2531012	12	42	50	46	22.5	-	M12	1	1.03
	SK40AD/B-EMH16-63	P2531013	16	48	63	57	24	-	M14	1	1.28
	SK40AD/B-EMH20-63	P2531014	20	52	63	54	25	-	M16	1	1.28
	SK40AD/B-EMH25-100	P2531015	25	65	100	60	24	25	M18	2	2.28
	SK40AD/B-EMH32-100	P2531016	32	72	100	64	24	28	M20	2	2.50
50	SK50AD/B-EMH10-63	P2531019	10	35	63	39	20	-	M10	1	2.90
	SK50AD/B-EMH12-63	P2531020	12	42	63	44	22.5	-	M12	1	2.90
	SK50AD/B-EMH16-63	P2531021	16	48	63	47	24	-	M14	1	3.00
	SK50AD/B-EMH20-63	P2531022	20	52	63	51	25	-	M16	1	3.05
	SK50AD/B-EMH25-80	P2531023	25	65	80	60	24	25	M18	2	3.73
	SK50AD/B-EMH32-100	P2531024	32	72	100	64	24	28	M20	2	4.53
	SK50AD/B-EMH40-100	P2531025	40	80	100	74	30	32	M20	2	4.77

▶ Standard End Mill Holder is for a cutting tool with Weldon shank and End Mill Holder for a cutting tool with Whistle notch shank is available upon request.
▶ Combi-style holder with ball jointed clamping screw which can be used with cutting tools with weldon and Whistle notch shank is available.

END MILL HOLDER (Coolant Channel)

EMH



DIN 69871-SK | AT3 | 6.3G | 15,000 RPM | AD/B+C

FIG.1

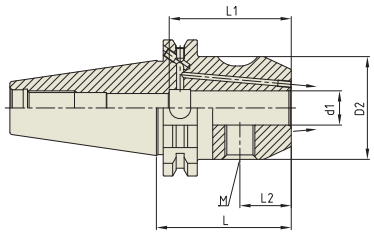
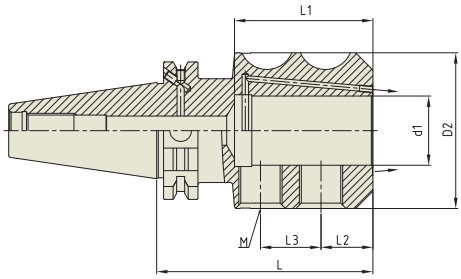


FIG.2



Unit : mm

TAPER No.	MODEL No.	EDP No.	d1	D2	L	L1	L2	L3	M	FIG.	WEIGHT (Kg)
40	SK40AD/B-EMH6C-50	P2779001	6	25	50	35	18	-	M6	1	0.86
	SK40AD/B-EMH10C-50	P2779003	10	35	50	39	20	-	M10	1	0.95
	SK40AD/B-EMH16C-63	P2779006	16	48	63	54	24	-	M14	1	1.28
	SK40AD/B-EMH32C-100	P2779010	32	72	100	64	24	28	M20	2	2.50

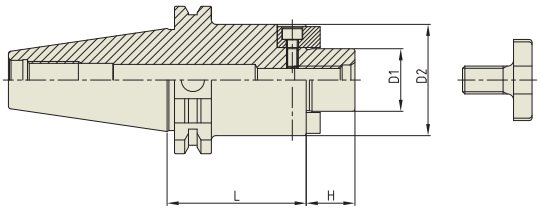
▸ Standard End Mill Holder is for a cutting tool with Weldon shank and End Mill Holder for a cutting tool with Whistle notch shank is available upon request.
▸ Combi-style holder with ball jointed clamping screw which can be used with cutting tools with weldon and Whistle notch shank is available.

SHELL MILL ARBOR (Small Face)

SMA



DIN 69871-SK | AT3 | 6.3G | 15,000 RPM | AD



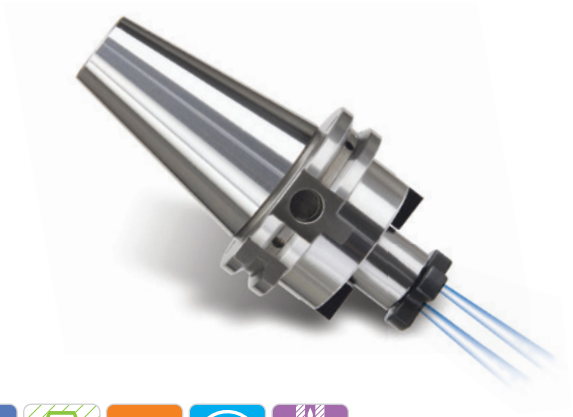
Unit : mm

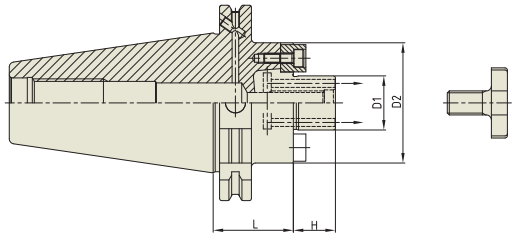
TAPER No.	MODEL No.	EDP No.	D1	D2	L	H	BOLT	WEIGHT (Kg)
40	SK40-SMA16-60	P2778904	16	32	60	17	M8x16L	0.35
	SK40-SMA27-60	P2778906	27	48	60	21	M12x22L	1.70
	SK40-SMA27-120	P2778917	27	48	120	21	M12x22L	2.40
	SK40-SMA32-60	P2778907	32	58	60	24	M16x26L	1.80
	SK40-SMA32-120	P2778918	32	58	120	24	M16x26L	3.70
50	SK50-SMA16-75	P2778909	16	32	75	17	M8x16L	2.80
	SK50-SMA16-120	P2778919	16	32	120	17	M8x16L	3.90
	SK50-SMA32-75	P2778912	32	58	75	24	M16x26L	3.80
	SK50-SMA32-120	P2778922	32	58	120	24	M16x26L	5.00
	SK50-SMA40-75	P2778913	40	70	75	27	M20x30L	4.50

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SHELL MILL ARBOR (Coolant Channel & Large Face)

SMA





DIN 69871-SK | AT3 | 2.5G | 25,000 RPM | AD/B+C

Unit : mm

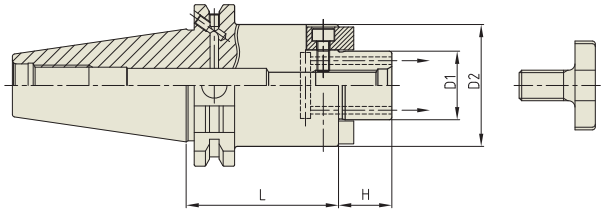
TAPER No.	MODEL No.	EDP No.	D1	D2	L	H	BOLT	WEIGHT (Kg)
40	SK40AD/B-SMA16CE-35	P2803125CE	16	38	35	17	M8x16L	0.94
	SK40AD/B-SMA16CE-100	P2803122CE	16	38	100	17	M8x16L	1.50
	SK40AD/B-SMA16CE-130	P2803123CE	16	38	130	17	M8x16L	-
	SK40AD/B-SMA16CE-160	P2803124CE	16	38	160	17	M8x16L	-
	SK40AD/B-SMA22CE-35	P2803129CE	22	48	35	19	M10x18L	1.05
	SK40AD/B-SMA22CE-100	P2803126CE	22	48	100	19	M10x18L	1.95
	SK40AD/B-SMA22CE-130	P2803127CE	22	48	130	19	M10x18L	-
	SK40AD/B-SMA22CE-160	P2803128CE	22	48	160	19	M10x18L	-
	SK40AD/B-SMA27CE-45	P2803133CE	27	60	45	21	M12x22L	1.33
	SK40AD/B-SMA27CE-100	P2803130CE	27	60	100	21	M12x22L	2.59
	SK40AD/B-SMA27CE-130	P2803131CE	27	60	130	21	M12x22L	-
	SK40AD/B-SMA27CE-160	P2803132CE	27	60	160	21	M12x22L	-
	SK40AD/B-SMA32CE-50	P2803137CE	32	78	50	24	M16x26L	1.72
	SK40AD/B-SMA32CE-100	P2803134CE	32	78	100	24	M16x26L	-
	SK40AD/B-SMA32CE-130	P2803135CE	32	78	130	24	M16x26L	-
	SK40AD/B-SMA32CE-160	P2803136CE	32	78	160	24	M16x26L	-
	SK40AD/B-SMA40CE-50	P2803141CE	40	89	50	27	M20x30L	1.99
	SK40AD/B-SMA40CE-100	P2803138CE	40	89	100	27	M20x30L	-
	SK40AD/B-SMA40CE-130	P2803139CE	40	89	130	27	M20x30L	-
	SK40AD/B-SMA40CE-160	P2803140CE	40	89	160	27	M20x30L	-

▶ With "Coolant Through" by coolant channels.

SHELL MILL ARBOR (Coolant Channel & Small Face)

SMA





DIN 69871-SK | AT3 | 6.3G | 15,000 RPM | AD/B+C

Unit : mm

TAPER No.	MODEL No.	EDP No.	D1	D2	L	H	BOLT	WEIGHT (Kg)
40	SK40AD/B-SMA16C-60	P2801004C	16	32	60	17	M8x16L	0.35
	SK40AD/B-SMA16C-120	P2801015C	16	32	120	17	M8x16L	0.70
	SK40AD/B-SMA22C-60	P2801005C	22	40	60	19	M10x18L	1.03
	SK40AD/B-SMA22C-120	P2801016C	22	40	120	19	M10x18L	1.60
	SK40AD/B-SMA27C-60	P2801006C	27	48	60	21	M12x22L	1.16
	SK40AD/B-SMA27C-120	P2801017C	27	48	120	21	M12x22L	1.97
	SK40AD/B-SMA32C-60	P2801007C	32	58	60	24	M16x26L	1.64
	SK40AD/B-SMA32C-120	P2801018C	32	58	120	24	M16x26L	2.00
	SK40AD/B-SMA40C-60	P2801008C	40	70	60	27	M20x30L	1.83
50	SK50AD/B-SMA16C-75	P2801009C	16	32	75	17	M8x16L	2.20
	SK50AD/B-SMA16C-120	P2801019C	16	32	120	17	M8x16L	2.50
	SK50AD/B-SMA22C-75	P2801010C	22	40	75	19	M10x18L	3.10
	SK50AD/B-SMA22C-120	P2801020C	22	40	120	19	M10x18L	3.60
	SK50AD/B-SMA27C-75	P2801011C	27	48	75	21	M12x22L	3.40
	SK50AD/B-SMA27C-120	P2801021C	27	48	120	21	M12x22L	4.00
	SK50AD/B-SMA32C-75	P2801012C	32	58	75	24	M16x26L	3.80
	SK50AD/B-SMA32C-120	P2801022C	32	58	120	24	M16x26L	4.40
	SK50AD/B-SMA40C-75	P2801013C	40	70	75	27	M20x30L	4.50
	SK50AD/B-SMA50C-75	P2801014C	50	90	75	30	M24x36L	5.90

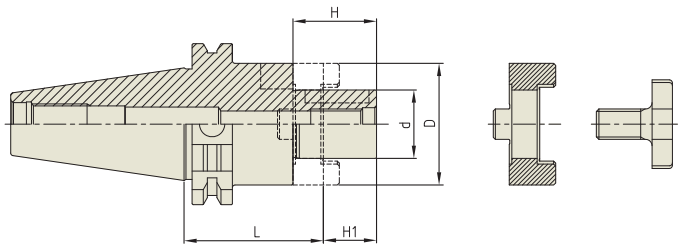
▶ With "Coolant Through" by coolant channels.

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COMBI SHELL MILL ARBOR

CMA





DIN 69871-SK | AT3 | 6.3G | 15,000 RPM | AD

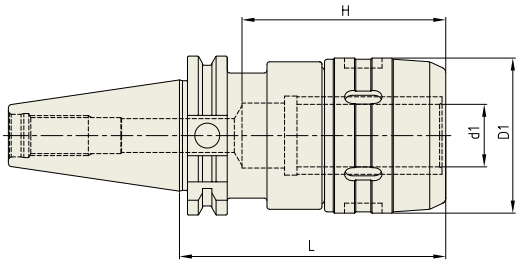
Unit : mm

TAPER No.	MODEL No.	EDP No.	d	D	L	H1	H	WEIGHT (Kg)
40	SK40-CMA16-55	P2524004	16	32	55	17	27	1.03
	SK40-CMA16-100	P2524015	16	32	100	17	27	1.27
	SK40-CMA22-55	P2524005	22	40	55	19	31	1.17
	SK40-CMA22-100	P2524016	22	40	100	19	31	1.59
	SK40-CMA27-55	P2524006	27	48	55	21	33	1.37
	SK40-CMA32-60	P2524007	32	58	60	24	38	1.6
50	SK50-CMA16-55	P2524009	16	32	55	17	27	2.81
	SK50-CMA22-55	P2524010	22	40	55	19	31	2.91
	SK50-CMA27-55	P2524011	27	48	55	21	33	3.15
	SK50-CMA32-55	P2524012	32	58	55	24	38	3.41

HIGH-SPEED POWER MILLING CHUCK

C





DIN 69871-SK AT3 AD

Unit : mm

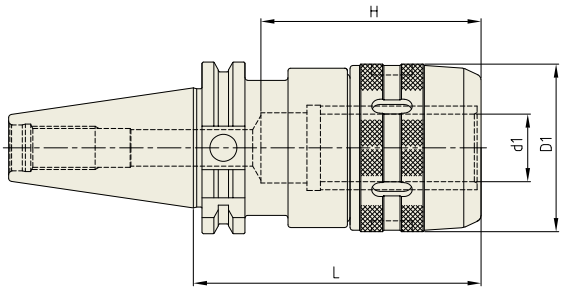
TAPER No.	MODEL No.	EDP No.	d1	D1	L	H	WEIGHT (Kg)
40	SK40-C20-105HS	P2526022	20	54	105	70	1.77
	SK40-C25-105HS	P2773001	25	62	105	80	2.10
	SK40-C32-105HS	P2526023	32	72	105	100	2.40
50	SK50-C32-105HS	P2773004	32	72	105	100	4.30

▶ For applicable collet and spanner, please refer to the page 95.
▶ Balancing Grade is adjusted on Basic holder only without Clamping Cap.

POWER MILLING CHUCK

C





DIN 69871-SK AT3 AD

Unit : mm

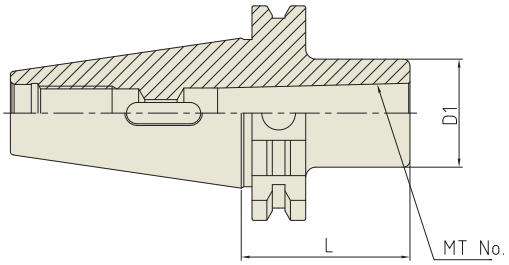
TAPER No.	MODEL No.	EDP No.	d1	D1	L	H	WEIGHT (Kg)
40	SK40-C20-90	P2526003	20	54	90	70	1.60
	SK40-C32-90	P2526004	32	72	90	100	2.00
	SK40-C32-105	P2526010	32	72	105	100	2.42
	SK40-C32-135	P2526015	32	72	135	100	3.11
50	SK50-C20-80	P2526005	20	54	80	70	3.22
	SK50-C25-105	P2526012	25	62	105	80	3.78
	SK50-C32-90	P2526007	32	72	90	100	3.87
	SK50-C32-105	P2526013	32	72	105	100	4.31
	SK50-C32-165	P2526020	32	72	165	100	5.59

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MORSE TAPER ARBOR

MTA





DIN 69871-SK | AT3 | 6.3G | 15,000 RPM

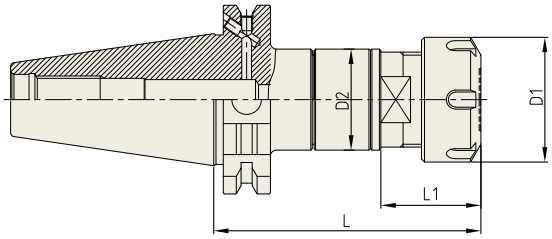
Unit : mm

TAPER No.	MODEL No.	EDP No.	MT No.	D1	L	WEIGHT (Kg)
40	SK40-MTA1-50	P2522004	1	25	50	1.49
	SK40-MTA2-50	P2522005	2	32	50	1.62
	SK40-MTA3-70	P2522006	3	40	70	1.65
	SK40-MTA4-95	P2522007	4	48	95	1.90
50	SK50-MTA2-60	P2522009	2	32	60	2.66
	SK50-MTA3-65	P2522010	3	40	65	2.75
	SK50-MTA4-95	P2522011	4	48	95	3.00
	SK50-MTA5-105	P2522012	5	63	105	3.30

SYNCHRO TAPPING CHUCK (ER Type)

SYTER





DIN 69871-SK | AT3 | AD/B

Unit : mm

TAPER No.	MODEL No.	EDP No.	d1 (TAP SIZE)	NUT/ COLLET	D1	D2	L	L1	Tension/ Compression	WEIGHT (Kg)
40	SK40AD/B-SYTER12-79	P2773701	M3-M12	ER16	28	34	79	26	±0.2	1.00
	SK40AD/B-SYTER16-85	P2773702	M3-M16	ER20	34	34	85	27	±0.2	1.08
	SK40AD/B-SYTER20-90	P2773703	M3-M20	ER25	42	34	90	34	±0.2	1.08
	SK40AD/B-SYTER27-100	P2773704	M4-M27	ER32	50	45	100	31	±0.2	1.37
	SK40AD/B-SYTER33-120	P2773705	M4-M33	ER40	63	62	120	35	±0.2	2.16
50	SK50AD/B-SYTER20-90	P2773708	M3-M20	ER25	42	34	90	34	±0.2	2.87
	SK50AD/B-SYTER33-105	P2773710	M4-M33	ER40	63	62	105	35	±0.2	3.93

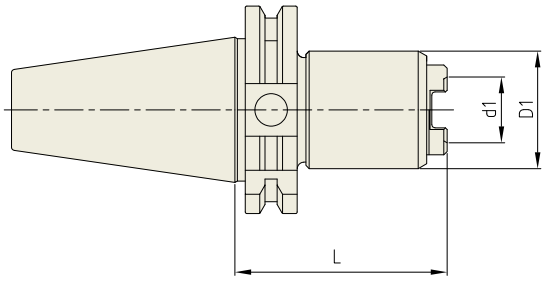
▶ Feature :
- Compensation for synchronization error to extend tap life and to improve thread quality.
- To compensate for pitch tolerance of taps.
- For Machine with asynchronized spindle.

▶ ER collet of page 83-90 and Tap ER collet of page 91-92.

SYNCHRO TAPPING CHUCK (Quick Change Type)

SYTC





DIN 69871-SK | AT3

Unit : mm

TAPER No.	MODEL No.	EDP No.	TAP SIZE	TAP ADAPTOR	d1	D1	L	WEIGHT (Kg)
40	SK40-SYTC12-65	P2774201	M3-M12	TCS12	19	36	65	1.10
50	SK50-SYTC12-65	P2774204	M3-M12	TCS12	19	36	65	3.00

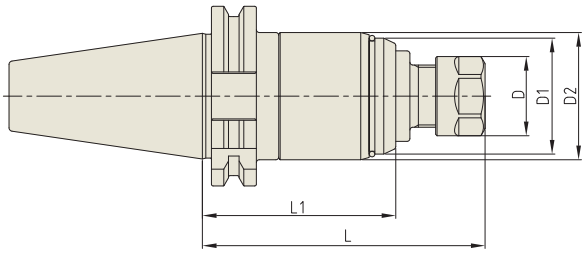
▶ Feature :
- Compensation for synchronization errors to extend tap life and to improve thread quality.
- To compensate for pitch tolerances of taps.
- For machine with synchronized spindle.

▶ For applicable Tap Adaptor, please refer to the page 97.

TAPPING ER CHUCK

TER





DIN 69871-SK AT3

Unit : mm

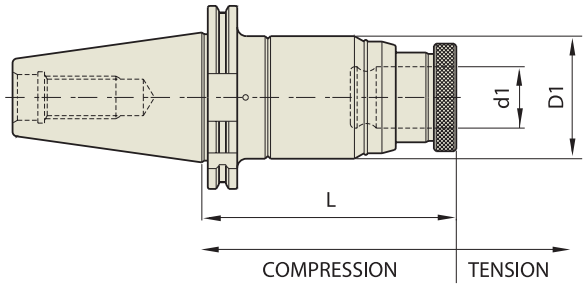
TAPER No.	MODEL No.	EDP No.	TAP SIZE	NUT/ COLLET	D	D1	L	L1	WEIGHT (Kg)
40	SK40-TER16-100	P2774001	M3-M12	ER16	28	45	100	68.4	1.65
	SK40-TER32-130	P2774003	M4-M27	ER32	50	63	130	92	2.10

▶ ER collet of page 83-90 and Tap ER collet of page 91-92.

TAPPING CHUCK (Quick Change Type)

TC





DIN 69871-SK AT3

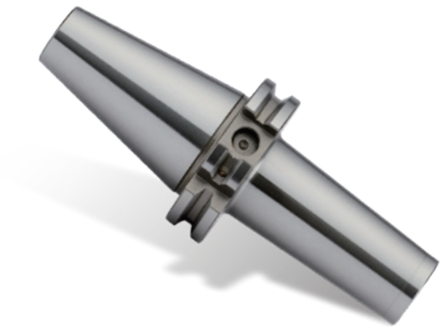
Unit : mm

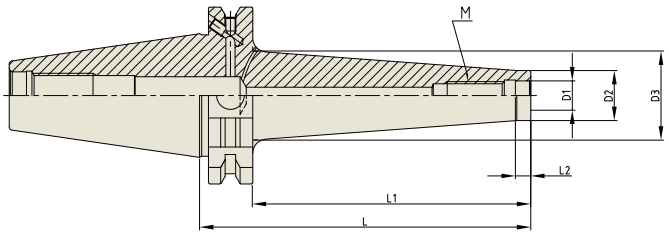
TAPER No.	MODEL No.	EDP No.	TAP SIZE	TAP ADAPTOR	LENGTH COMPENSATION		d1	D1	L	WEIGHT (Kg)
					Compression	Tension				
40	SK40-TC12-90	P2520001	M3-M12	TCS12	5	15	19	45	90	1.30
	SK40-TC12-130	P2520006	M3-M12	TCS12	5	15	19	45	130	1.80
	SK40-TC24-120	P2520002	M6-M24	TCS24	5	20	31	63	120	2.50
50	SK50-TC12-130	P2520003	M3-M12	TCS12	5	15	19	45	130	4.30
	SK50-TC24-142	P2520004	M6-M24	TCS24	5	20	31	63	142	5.30
	SK50-TC38-175	P2520005	M18-M38	TCS38	10	25	48	98	175	7.50

▶ For applic.able Tap Adaptor, please refer to page p96.

COPY MILL ARBOR

M





DIN 69871-SK | AT3 | 2.5G | 25,000 RPM | (LD) ≤3μm | AD/B

Unit : mm

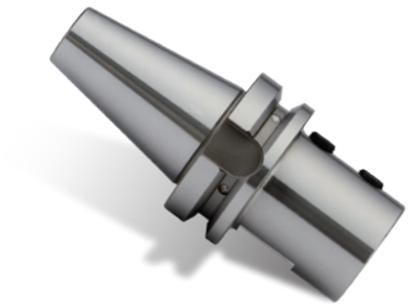
TAPER No.	MODEL No. (M-L1)	EDP No.	D1	D2	D3	L	L1	L2	WEIGHT (Kg)
40	SK40AD/B-M6-25	P2801701	6.5	10	13	44	25	5	0.80
	SK40AD/B-M10-5	P2801706	10.5	18	18	24	5	5	0.77
	SK40AD/B-M10-25	P2801707	10.5	18	20	44	25	5	0.79
	SK40AD/B-M10-50	P2801708	10.5	18	23	69	50	5	0.85
	SK40AD/B-M10-75	P2801709	10.5	18	28	94	75	5	0.87
	SK40AD/B-M10-100	P2801710	10.5	18	32	119	100	5	1.12
	SK40AD/B-M10-150	P2801711	10.5	18	36.5	169	150	5	1.38
	SK40AD/B-M12-50	P2801714	12.5	21	24	69	50	5	0.85
	SK40AD/B-M12-75	P2801715	12.5	21	31	94	75	5	1.02
	SK40AD/B-M12-100	P2801716	12.5	21	33	119	100	5	1.09
	SK40AD/B-M16-5	P2801718	17	29	29	24	5	5	0.77
	SK40AD/B-M16-25	P2801719	17	29	29	44	25	5	0.85
	SK40AD/B-M16-50	P2801720	17	29	34	69	50	5	1.00
	SK40AD/B-M16-75	P2801721	17	29	34	94	75	5	0.99
	SK40AD/B-M16-100	P2801722	17	29	36	119	100	5	1.34
	SK40AD/B-M16-150	P2801723	17	29	42.5	169	150	5	1.84
50	SK50AD/B-M16-50	P2801731	17	29	34	69	50	5	2.79
	SK50AD/B-M16-100	P2801732	17	29	36	119	100	10	3.00
	SK50AD/B-M16-150	P2801733	17	29	42.5	169	150	10	3.60

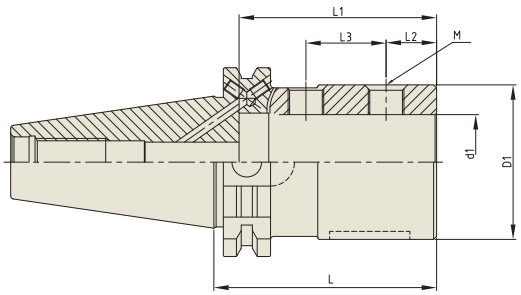
▶ Balancing grade G2.5 at 25,000 RPM or U max <1 gmm.
▶ For the screw in milling cutters with thread.

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INDEXABLE DRILL HOLDER

SL





DIN 69871-SK | AT3 | 6.3G | 15,000 RPM | AD/B

Unit : mm

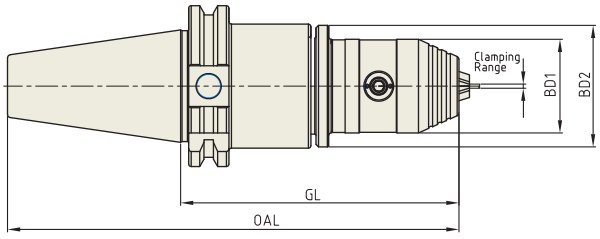
TAPER No.	MODEL No.	EDP No.	d1	D1	L	L1	L2	L3	M	WEIGHT (Kg)
40	SK40AD/B-SL20-65	P2802001	20	40	65	56	15	20	M10	1.07
	SK40AD/B-SL25-70	P2802002	25	45	70	61.5	17	23	M12	1.15
	SK40AD/B-SL32-75	P2802003	32	52	75	66.5	17	27	M12	1.27
50	SK50AD/B-SL20-70	P2802005	20	40	70	54	15	20	M10	3.00
	SK50AD/B-SL25-70	P2802006	25	45	70	64	17	23	M12	3.04
	SK50AD/B-SL32-75	P2802007	32	52	75	68	17	27	M12	3.14

▶ For the indexable drills with parallel shank.

NC DRILL CHUCK (HEX. KEY TYPE)

HKD





DIN 69871-SK | AT3 | AD or AD/B

Unit : mm

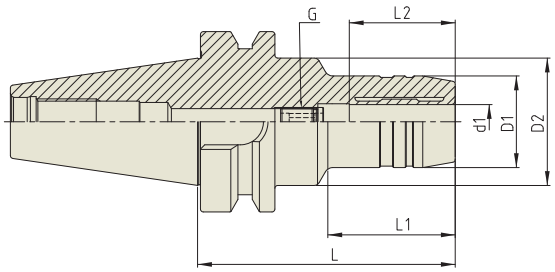
TAPER No.	MODEL No.	EDP No.	CLAMPING RANGE	OAL	GL	BD1	BD2	LB	WEIGHT (Kg)
40	SK40-HKD8-90	P2804002	0.3 - 8.0	158.4	90	37	48	51.5	-
	SK40-HKD13-100	P2804001	0.3 - 13.0	168.4	100	50.1	50.1	80.9	-
	SK40AD/B-HKD8-110	P2804003	0.3 - 8.0	178.4	110	37	48	51.5	-
	SK40AD/B-HKD13-130	P2804004	0.3 - 13.0	198.4	130	50.1	50.1	110.9	-

▶ Supplied with hex wrench. (Size HKD8 : 4mm, HKD13 : 6mm)

HYDRAULIC CHUCK (Standard)

HC





CBT | AT3 | 2.5G | 25,000 RPM | (at 3D) ≤3μm | AD

Unit : mm

TAPER No.	MODEL No.	EDP No.	d1	D1	D2	L	L1	L2	G	FIG.	WEIGHT (Kg)
40	CBT40-HC12-90	P2770501	12	32	44.5	90	44.5	37	M10x1.0	2	1.35
	CBT40-HC20-90	P2770502	20	42	44.5	90	47.5	42	M16x1.0	2	1.50

- For applic.able hydraulic chuck colleet, please refer to page 80-82.
- Balancing grade G2.5 at 25,000 RPM or U max <1 gmm.
- Supplied with clamping T-wrench.

SHRINK FIT HOLDER

SFH



FIG.1

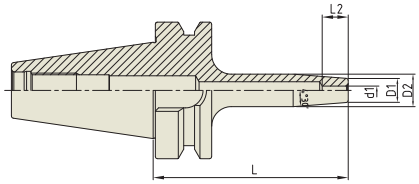
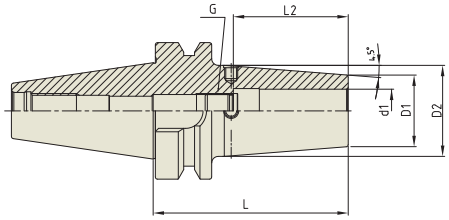


FIG.2



CBT | AT3 | 2.5G | 25,000 RPM | (I.D) ≤3μm | AD

Unit : mm

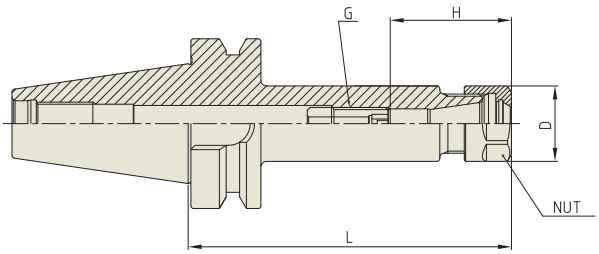
TAPER No.	MODEL No.	EDP No.	d1	D1	D2	L	L2	G	FIG.	WEIGHT (Kg)
30	CBT30-SFH4-80	P2771563	4	11	15	80	12	-	1	-
	CBT30-SFH6-80	P2771561	6	21	27	80	36	M5×0.8	2	-
	CBT30-SFH8-80	P2771554	8	21	27	80	36	M6×1.0	2	-
	CBT30-SFH10-80	P2771510	10	24	32	80	41	M8×1.0	2	0.40
	CBT30-SFH12-80	P2771511	12	24	32	80	48	M10×1.0	2	0.42
	CBT30-SFH14-80	P2771512	14	27	34	80	48	M10×1.0	2	0.42
	CBT30-SFH20-80	P2771562	20	33	42	80	53	M16×1.0	2	0.44

- Supplied without balancing screw.
- Balancing grade G2.5 at 25,000 RPM or U max <1 gmm.

ER COLLET CHUCK

ER





CBT AT3 2.5G 25,000 RPM AD

Unit : mm

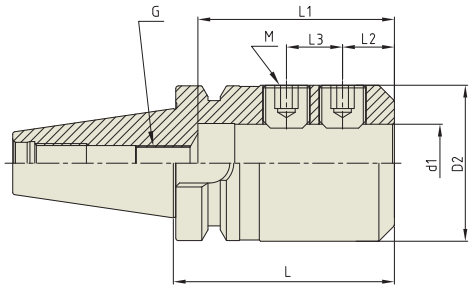
TAPER No.	MODEL No.	EDP No.	CLAMPING RANGE	L	D	G	H	NUT/ COLLET	WEIGHT (Kg)
40	CBT40-ER25-75	P2772011	1.0 - 16.0	75	42	M12	65	ER25	1.40
	CBT40-ER25-100	P2772002	1.0 - 16.0	100	42	M12	65	ER25	1.80
	CBT40-ER32-60	P2772014	1.0 - 20.0	60	50	M12	65	ER32	1.80
	CBT40-ER32-100	P2772003	1.0 - 20.0	100	50	M12	65	ER32	2.20

▶ For applic.able ER collet, please refer to page 83-92.
▶ For applic.able ER nut, please refer to page 93, Sealing disk & spanner page 94-95.

SIDE LOCK ARBOR

SLA





CBT AT3 AD

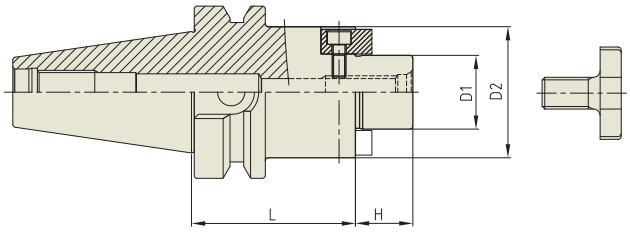
Unit : mm

TAPER No.	MODEL No.	EDP No.	d1	D2	L	L1	L2	L3	M	G	WEIGHT (Kg)
40	CBT40-SLA16-90	P2772931	16	40	90	70	25	20	M12	M10	1.50
	CBT40-SLA20-90	P2772901	20	50	90	70	25	20	M12	M12	1.80
	CBT40-SLA25-90	P2772902	25	50	90	70	25	20	M14	M12	1.70
	CBT40-SLA32-90	P2772903	32	60	90	80	25	25	M16	M12	1.90

▶ Standard design of Side Lock Arbor is for cutting tools with straight shank having flat face.
▶ Side Lock Arbor is non balancing.

SHELL MILL ARBOR (Small Face) SMA





CBT AT3 2.5G 25,000 RPM AD

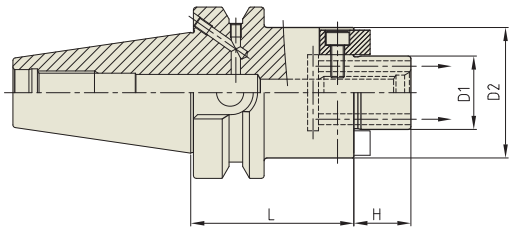
Unit : mm

TAPER No.	MODEL No.	EDP No.	D1	D2	L	H	BOLT	WEIGHT (Kg)
40	CBT40-SMA27-60	P2778706	27	48	60	21	M12x22L	1.48
	CBT40-SMA32-60	P2778707	32	58	60	24	M16x26L	1.72

▶ Balancing grade G2.5 at 25,000 RPM or U max <1 gmm.

SHELL MILL ARBOR (Coolant Channel & Small Face) SMA





CBT AT3 2.5G 25,000 RPM AD/B+C

Unit : mm

TAPER No.	MODEL No.	EDP No.	D1	D2	L	H	BOLT	WEIGHT (Kg)
40	CBT40AD/B-SMA22C-60	P2801048C	22	40	60	19	M10x18L	1.27
	CBT40AD/B-SMA27C-60	P2801049C	27	48	60	21	M12x22L	1.44
	CBT40AD/B-SMA32C-60	P2801050C	32	58	60	24	M16x26L	-

▶ Balancing grade G2.5 at 25,000 RPM or U max <1 gmm.
▶ With "Coolant Through" by coolant channels.

HYDRAULIC CHUCK (Power E Hydro)

HCP



FIG.1

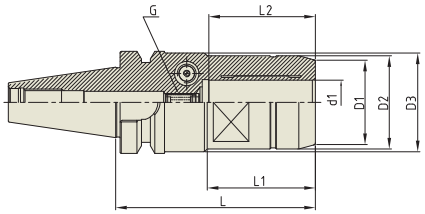
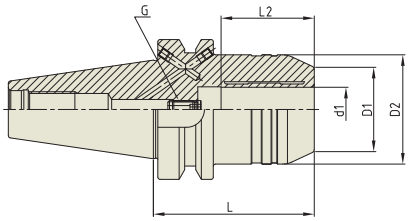


FIG.2





Unit : mm

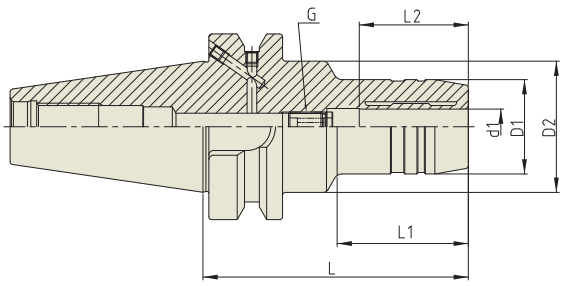
TAPER No.	MODEL No.	EDP No.	d1	D1	D2	D3	L	L1	L2	G	FIG.	WEIGHT (Kg)
30	BT30-HC20P-90	P2776602P	20	38	42	44.5	90	48.75	48	M8x1.0	1	0.90
40	BT40AD/B-HC12P-58	P2776601P	12	32	42	-	58	-	41	M8x1.0	2	1.10
	BT40AD/B-HC20P-72.5	P2554001P	20	39.25	49.25	-	72.5	-	48	M8x1.0	2	1.40
50	BT50AD/B-HC20P-83.5	P2755010P	20	39.25	49.25	-	83.5	-	48	M8x1.0	2	3.90
	BT50AD/B-HC32P-90	P2558001P	32	58.5	72	-	90	-	57	M8x1.0	2	4.60

▶ For applic.able hydraulic chuck colleet, please refer to page 80-82.
▶ Balancing grade G2.5 at 25,000 RPM or U max <1 gmm.
▶ Supplied with clamping T-wrench.

HYDRAULIC CHUCK (Standard)

HC





JIS B6339-BT | AT3 | 2.5G | 25,000 RPM | (at 3D) ≤3μm | AD/B

Unit : mm

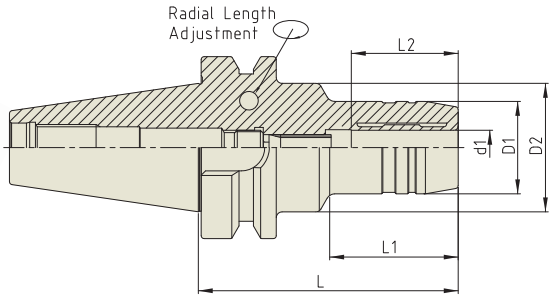
TAPER No.	MODEL No.	EDP No.	d1	D1	D2	L	L1	L2	G	WEIGHT (Kg)
40	BT40AD/B-HC6-90	P2554003	6	26	44.5	90	43	27	M5x0.8	1.30
	BT40AD/B-HC8-90	P2554021	8	28	44.5	90	44.5	27	M6x1.0	1.30
	BT40AD/B-HC10-90	P2554005	10	30	44.5	90	44.5	32	M8x1.0	1.35
	BT40AD/B-HC12-90	P2554002	12	32	44.5	90	44.5	37	M10x1.0	1.35
	BT40AD/B-HC16-90	P2554006	16	38	44.5	90	47.5	42	M12x1.0	1.40
	BT40AD/B-HC20-90	P2554007	20	42	44.5	90	47.5	42	M16x1.0	1.50
	BT40AD/B-HC25-100	P2770641	25	50	60	100	47.5	48	M16x1.0	1.70
	BT40AD/B-HC32-105	P2770612	32	60	-	105	-	55	M16x1.0	2.10

- For applic.able hydraulic chuck colleet, please refer to page 80-82.
- Balancing grade G2.5 at 25,000 RPM or U max <1 gmm.
- Supplied with clamping T-wrench.

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HYDRAULIC CHUCK (Radial Tool Length Pre-setting Type) HCR





JIS B6339-BT | AT3 | 2.5G | 25,000 RPM | (at 3D) ≤3μm | AD/B

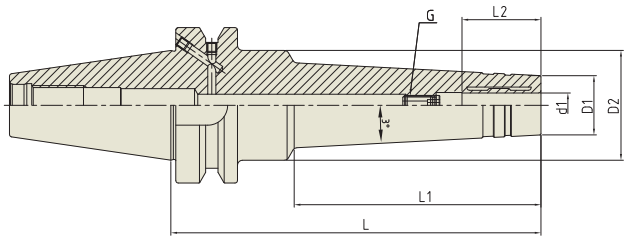
Unit : mm

TAPER No.	MODEL No.	EDP No.	d1	D1	D2	L	L1	L2	WEIGHT (Kg)
40	BT40AD/B-HCR20-90	P2554008	20	42	44.5	90	47.5	42	1.60

- For applic.able hydraulic chuck colleet, please refer to page 80-82.
- Balancing grade G2.5 at 25,000 RPM or U max <1 gmm.
- Supplied with clamping T-wrench.

HYDRAULIC CHUCK (For Mold and Die) HMC





JIS B6339-BT | AT3 | 2.5G | 25,000 RPM | (at 3D) ≤3μm | AD/B

Unit : mm

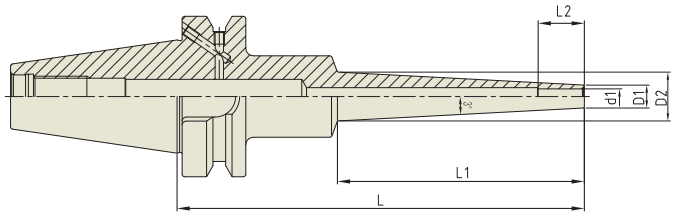
TAPER No.	MODEL No.	EDP No.	d1	D1	D2	L	L1	L2	G	WEIGHT (Kg)
40	BT40AD/B-HMC6-120	P2770903	6	20	44.5	120	70	27	M5×0.8	1.40
	BT40AD/B-HMC8-150	P2770906	8	22	44.5	150	100	27	M6×1.0	1.65
	BT40AD/B-HMC12-120	P2770901	12	25	44.5	120	70	37	M10×1.0	1.40
	BT40AD/B-HMC20-150	P2770912	20	34	46.9	150	123	42	M16×1.0	1.80

- For applic.able hydraulic chuck colleet, please refer to page 80-82.
- Balancing grade G2.5 at 25,000 RPM or U max <1 gmm.
- Supplied with clamping T-wrench.

SHRINK FIT HOLDER (Extra Slim)

SFHS





JIS B6339-BT | AT3 | 2.5G | 25,000 RPM | (LD) ≤3μm | AD/B

Unit : mm

TAPER No.	MODEL No.	EDP No.	d1	D1	D2	L	L1	L2	WEIGHT (Kg)
40	BT40AD/B-SFHS3-95	P2779860S	3	6	25	95	42	9	-
	BT40AD/B-SFHS3-120	P2779861S	3	6	25	120	67	9	-
	BT40AD/B-SFHS4-95	P2779863S	4	7	25	95	42	12	-
	BT40AD/B-SFHS4-120	P2779864S	4	7	25	120	67	12	-
	BT40AD/B-SFHS6-95	P2779866S	6	9	25	95	42	18	-
	BT40AD/B-SFHS6-120	P2779867S	6	9	25	120	67	18	-
	BT40AD/B-SFHS6-160	P2779868S	6	9	32	160	97	18	-
	BT40AD/B-SFHS8-95	P2779869S	8	11	25	95	42	24	-
	BT40AD/B-SFHS8-120	P2779870S	8	11	32	120	67	24	-
	BT40AD/B-SFHS8-160	P2779871S	8	11	32	160	97	24	-
	BT40AD/B-SFHS10-95	P2779872S	10	13	25	95	42	30	-
	BT40AD/B-SFHS10-120	P2779873S	10	13	32	120	67	30	-
	BT40AD/B-SFHS12-95	P2779875S	12	15	32	95	42	30	-
	BT40AD/B-SFHS12-120	P2779876S	12	15	32	120	67	30	-

▶ Balancing grade G2.5 at 25,000 RPM or U max <1 gmm.

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SHRINK FIT HOLDER

SFH



FIG.1

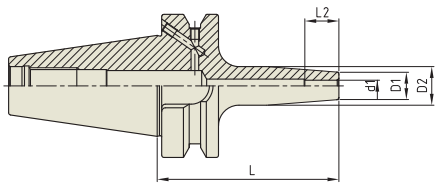
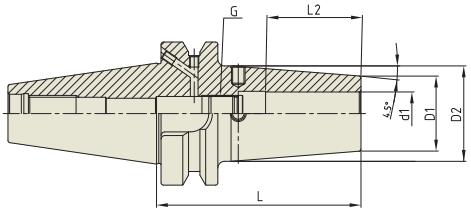


FIG.2



JIS B6339-BT | AT3 | 2.5G | 25,000 RPM | (I.D) ≤3μm | AD/B

Unit : mm

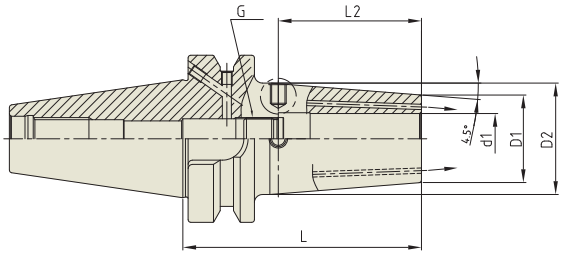
TAPER No.	MODEL No.	EDP No.	d1	D1	D2	L	L2	G	FIG.	WEIGHT (Kg)
40	BT40AD/B-SFH3-90	P2776712	3	11	15	90	10	-	1	1.00
	BT40AD/B-SFH4-90	P2776713	4	11	15	90	12	-	1	1.00
	BT40AD/B-SFH5-90	P2776714	5	11	15	90	15	-	1	1.00
	BT40AD/B-SFH6-90	P2771601	6	21	27	90	36	M5×0.8	2	1.10
	BT40AD/B-SFH6-160	P2771602	6	21	27	160	36	M5×0.8	2	1.15
	BT40AD/B-SFH8-90	P2771603	8	21	27	90	36	M6×1.0	2	1.11
	BT40AD/B-SFH8-160	P2771604	8	21	27	160	36	M6×1.0	2	1.15
	BT40AD/B-SFH10-90	P2771605	10	24	32	90	42	M8×1.0	2	1.10
	BT40AD/B-SFH10-160	P2771606	10	24	32	160	42	M8×1.0	2	1.15
	BT40AD/B-SFH12-90	P2771607	12	24	32	90	47	M10×1.0	2	1.10
	BT40AD/B-SFH12-160	P2771608	12	24	32	160	47	M10×1.0	2	1.15
	BT40AD/B-SFH14-90	P2771611	14	27	34	90	47	M10×1.0	2	1.20
	BT40AD/B-SFH14-160	P2771612	14	27	34	160	47	M10×1.0	2	1.50
	BT40AD/B-SFH16-90	P2771609	16	27	34	90	50	M12×1.0	2	1.20
	BT40AD/B-SFH16-160	P2771610	16	27	34	160	50	M12×1.0	2	1.50
	BT40AD/B-SFH18-90	P2771613	18	33	42	90	50	M12×1.0	2	1.30
	BT40AD/B-SFH20-90	P2771615	20	33	42	90	52	M16×1.0	2	1.40
	BT40AD/B-SFH20-160	P2771616	20	33	42	160	52	M16×1.0	2	1.70
	BT40AD/B-SFH25-100	P2771617	25	44	53	100	58	M16×1.0	2	1.70
	BT40AD/B-SFH25-160	P2771618	25	44	53	160	58	M16×1.0	2	2.00
50	BT50AD/B-SFH4-100	P2771620	4	11	15	100	12	-	1	1.50
	BT50AD/B-SFH6-100	P2771622	6	21	27	100	36	M5×0.8	2	1.50
	BT50AD/B-SFH6-160	P2771623	6	21	27	160	36	M5×0.8	2	2.00
	BT50AD/B-SFH8-100	P2771624	8	21	27	100	36	M6×1.0	2	1.50
	BT50AD/B-SFH8-160	P2771625	8	21	27	160	36	M6×1.0	2	2.00
	BT50AD/B-SFH10-100	P2771626	10	24	32	100	42	M8×1.0	2	1.50
	BT50AD/B-SFH10-160	P2771627	10	24	32	160	42	M8×1.0	2	2.00
	BT50AD/B-SFH12-100	P2771628	12	24	32	100	47	M10×1.0	2	1.50
	BT50AD/B-SFH12-160	P2771629	12	24	32	160	47	M10×1.0	2	2.00
	BT50AD/B-SFH16-100	P2771632	16	27	34	100	50	M12×1.0	2	1.60
	BT50AD/B-SFH16-160	P2771633	16	27	34	160	50	M12×1.0	2	2.10

▶ Supplied without balancing screw.
▶ Balancing grade G2.5 at 25,000 RPM or U max <1 gmm.

SHRINK FIT HOLDER (Coolant Channel)

SFHC





JIS B6339-BT | AT3 | 2.5G | 25,000 RPM | (LD) ≤3μm | AD/B+C

Unit : mm

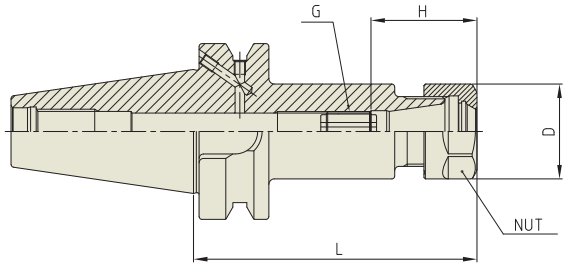
TAPER No.	MODEL No.	EDP No.	d1	D1	D2	L	L2	G	WEIGHT (Kg)
40	BT40AD/B-SFH6C-90	P2862085C	6	21	27	90	36	M5x0.8	1.10
	BT40AD/B-SFH6C-160	P2862086C	6	21	27	160	36	M5x0.8	1.15
	BT40AD/B-SFH8C-90	P2862087C	8	21	27	90	36	M6x1.0	1.11
	BT40AD/B-SFH8C-160	P2862088C	8	21	27	160	36	M6x1.0	1.15
	BT40AD/B-SFH10C-90	P2862089C	10	24	32	90	41	M8x1.0	1.10
	BT40AD/B-SFH10C-160	P2862090C	10	24	32	160	41	M8x1.0	1.15
	BT40AD/B-SFH12C-90	P2862091C	12	24	32	90	47	M10x1.0	1.10
	BT40AD/B-SFH12C-160	P2862092C	12	24	32	160	47	M10x1.0	1.15
	BT40AD/B-SFH14C-90	P2862093C	14	27	34	90	47	M10x1.0	1.20
	BT40AD/B-SFH14C-160	P2862094C	14	27	34	160	47	M10x1.0	1.50
	BT40AD/B-SFH16C-90	P2862095C	16	27	34	90	50	M12x1.0	1.20
	BT40AD/B-SFH16C-160	P2862096C	16	27	34	160	50	M12x1.0	1.50
	BT40AD/B-SFH18C-90	P2862097C	18	33	42	90	50	M12x1.0	1.30
	BT40AD/B-SFH20C-90	P2862099C	20	33	42	90	52	M16x1.0	1.40
	BT40AD/B-SFH20C-160	P2862100C	20	33	42	160	52	M16x1.0	1.70
	BT40AD/B-SFH25C-100	P2862101C	25	44	53	100	58	M16x1.0	1.70
	BT40AD/B-SFH25C-160	P2862102C	25	44	53	160	58	M16x1.0	2.00
50	BT50AD/B-SFH6C-100	P2862103C	6	21	27	100	36	M5x0.8	1.50
	BT50AD/B-SFH6C-160	P2862104C	6	21	27	160	36	M5x0.8	2.00
	BT50AD/B-SFH8C-100	P2862105C	8	21	27	100	36	M6x1.0	1.50
	BT50AD/B-SFH8C-160	P2862106C	8	21	27	160	36	M6x1.0	2.00
	BT50AD/B-SFH10C-100	P2862107C	10	24	32	100	42	M8x1.0	1.10
	BT50AD/B-SFH10C-160	P2862108C	10	24	32	160	42	M8x1.0	1.15
	BT50AD/B-SFH12C-100	P2862109C	12	24	32	100	47	M10x1.0	1.60
	BT50AD/B-SFH12C-160	P2862110C	12	24	32	160	47	M10x1.0	2.10
	BT50AD/B-SFH16C-100	P2862113C	16	27	34	100	50	M12x1.0	1.60
	BT50AD/B-SFH16C-160	P2862114C	16	27	34	160	50	M12x1.0	2.10

- Supplied without balancing screw.
- Balancing grade G2.5 at 25,000 RPM or U max <1 gmm.
- With two coolant channel bores.
- Resealable coolant channel type is available upon request.
  (Thread for plugging screws & 2 screws)

ER COLLET CHUCK

ER





JIS B6339-BT | AT3 | 2.5G | 25,000 RPM | AD or AD/B

Unit : mm

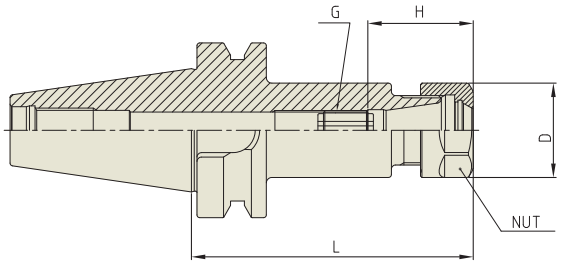
TAPER No.	MODEL No.	EDP No.	CLAMPING RANGE	L	D	G	H	NUT/ COLLET	WEIGHT (Kg)
30	BT30-ER25-70	P2776509A	1.0 - 16.0	70	42	M12	65	ER25	1.20
	BT30-ER32-60	P2776511A	1.0 - 20.0	60	50	M12	65	ER32	1.40
40	BT40AD/B-ER11-75	P2776513	0.5 - 7.0	75	19	M6	45	ER11	1.00
	BT40AD/B-ER11-100	P2776514	0.5 - 7.0	100	19	M6	45	ER11	1.10
	BT40AD/B-ER16-75	P2776504	0.5 - 10.0	75	28	M12	45	ER16	1.10
	BT40AD/B-ER16-100	P2553021	0.5 - 10.0	100	28	M12	45	ER16	1.20
	BT40AD/B-ER16-120	P2776515	0.5 - 10.0	120	28	M12	45	ER16	1.40
	BT40AD/B-ER20-75	P2776516	0.5 - 13.0	75	34	M12	50	ER20	1.40
	BT40AD/B-ER20-100	P2553017	0.5 - 13.0	100	34	M12	50	ER20	1.80
	BT40AD/B-ER25-75	P2600012	1.0 - 16.0	75	42	M12	65	ER25	1.40
	BT40AD/B-ER25-100	P2553018	1.0 - 16.0	100	42	M12	65	ER25	1.80
	BT40AD/B-ER25-150	P2776519	1.0 - 16.0	150	42	M12	65	ER25	2.40
	BT40AD/B-ER32-60	P2553501	1.0 - 20.0	60	50	M12	65	ER32	1.80
	BT40AD/B-ER32-100	P2776505	1.0 - 20.0	100	50	M12	65	ER32	2.20
	BT40AD/B-ER40-80	P2553004	2.0 - 30.0	80	63	M12	85	ER40	-
50	BT50AD/B-ER16-100	P2776522	0.5 - 10.0	100	28	M12	45	ER16	4.20
	BT50AD/B-ER20-100	P2776525	0.5 - 13.0	100	34	M12	50	ER20	4.60
	BT50AD/B-ER25-100	P2776528	1.0 - 16.0	100	42	M12	65	ER25	4.70
	BT50AD/B-ER32-100	P2600026	1.0 - 20.0	100	50	M12	65	ER32	5.20

▶ Balancing grade G2.5 at 25,000 RPM or U max <1 gmm.
▶ For applic.able ER collet, please refer to page 83-92.
▶ For applic.able ER nut, please refer to page 93, Sealing disk & spanner page 94-95.

ER COLLET CHUCK

ER





JIS B6339-BT | AT3 | 6.3G | 15,000 RPM | AD

Unit : mm

TAPER No.	MODEL No.	EDP No.	CLAMPING RANGE	L	D	G	H	NUT/ COLLET	WEIGHT (Kg)
30	BT30-ER16-100	P2772110	0.5 - 10.0	100	28	M12	45	ER16	1.10
	BT30-ER20-80	P2772111	0.5 - 13.0	80	34	M12	50	ER20	1.20
	BT30-ER20-100	P2772112	0.5 - 13.0	100	34	M12	50	ER20	1.30
	BT30-ER32-60	P2772144	1.0 - 20.0	60	50	M12	65	ER32	1.40
	BT30-ER32-90	P2772115	1.0 - 20.0	90	50	M12	65	ER32	1.90
40	BT40-ER11-75	P2772116	0.5 - 7.0	75	19	M6	45	ER11	1.00
	BT40-ER16-75	P2772101	0.5 - 10.0	75	28	M12	45	ER16	1.10
	BT40-ER16-100	P2772118	0.5 - 10.0	100	28	M12	45	ER16	1.20
	BT40-ER16-120	P2772119	0.5 - 10.0	120	28	M12	45	ER16	1.40
	BT40-ER20-75	P2772102	0.5 - 13.0	75	34	M12	50	ER20	1.40
	BT40-ER20-100	P2772120	0.5 - 13.0	100	34	M12	50	ER20	1.80
	BT40-ER25-75	P2772103	1.0 - 16.0	75	42	M12	65	ER25	1.40
	BT40-ER25-100	P2772122	1.0 - 16.0	100	42	M12	65	ER25	1.80
	BT40-ER25-135	P2772123	1.0 - 16.0	135	42	M12	65	ER25	2.20
	BT40-ER25-150	P2772124	1.0 - 16.0	150	42	M12	65	ER25	2.40
	BT40-ER32-60	P2772104	1.0 - 20.0	60	50	M12	65	ER32	1.80
	BT40-ER32-100	P2772125	1.0 - 20.0	100	50	M12	65	ER32	2.20
	BT40-ER32-120	P2772105	1.0 - 20.0	120	50	M12	65	ER32	2.40
	BT40-ER32-150	P2772126	1.0 - 20.0	150	50	M12	65	ER32	2.60
	BT40-ER40-80	P2772127	2.0 - 30.0	80	63	M12	75	ER40	1.50
50	BT50-ER16-100	P2772128	0.5 - 10.0	100	28	M12	45	ER16	4.20
	BT50-ER16-165	P2772130	0.5 - 10.0	165	28	M12	45	ER16	4.60
	BT50-ER20-135	P2772132	0.5 - 13.0	135	34	M12	50	ER20	4.80
	BT50-ER25-100	P2772134	1.0 - 16.0	100	42	M12	65	ER25	4.70
	BT50-ER25-165	P2772136	1.0 - 16.0	165	42	M12	65	ER25	5.00
	BT50-ER32-100	P2772137	1.0 - 20.0	100	50	M12	65	ER32	5.20
	BT50-ER32-165	P2772139	1.0 - 20.0	165	50	M12	65	ER32	5.80
	BT50-ER40-100	P2772140	2.0 - 30.0	100	63	M12	75	ER40	5.60
	BT50-ER40-150	P2772141	2.0 - 30.0	150	63	M12	75	ER40	6.10

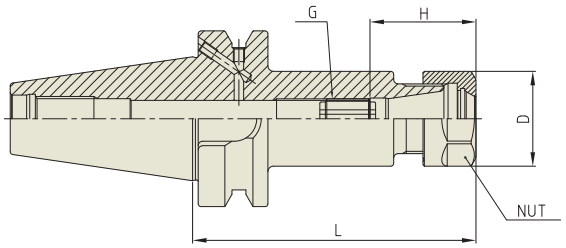
▶ For applic.able ER collet, please refer to page 83-92.
▶ For applic.able ER nut, please refer to page 93, Sealing disk & spanner page 94-95.

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ER COLLET CHUCK

ER





JIS B6339-BT | AT3 | 6.3G | 15,000 RPM | AD/B

Unit : mm

TAPER No.	MODEL No.	EDP No.	CLAMPING RANGE	L	D	G	H	NUT/ COLLET	WEIGHT (Kg)
40	BT40AD/B-ER32-70	P2553003	1.0 - 20.0	70	50	M12	65	ER32	1.80
	BT40AD/B-ER32-100	P2776564	1.0 - 20.0	100	50	M12	65	ER32	2.20

▶ For applic.able ER collet, please refer to page 83-92.
▶ For applic.able ER nut, please refer to page 93, Sealing disk & spanner page 94-95.

END MILL HOLDER

EMH



JIS B6339-BT | AT3 | 2.5G | 25,000 RPM | AD/B

FIG.1

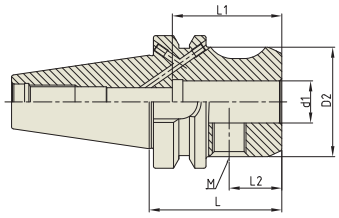
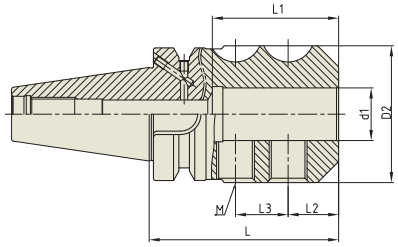


FIG.2



Unit : mm

TAPER No.	MODEL No.	EDP No.	d1	D2	L	L1	L2	L3	M	FIG.	WEIGHT (Kg)
40	BT40AD/B-EMH6-50	P2773031	6	25	50	35	18	-	M6	1	1.00
	BT40AD/B-EMH8-50	P2773032	8	28	50	35	18	-	M8	1	1.00
	BT40AD/B-EMH10-63	P2773033	10	35	63	39	20	-	M10	1	1.10
	BT40AD/B-EMH12-63	P2773034	12	42	63	44	22.5	-	M12	1	1.30
	BT40AD/B-EMH16-63	P2773036	16	48	63	52	24	-	M14	1	1.70
	BT40AD/B-EMH20-63	P2773038	20	52	63	52	25	-	M16	1	1.80
	BT40AD/B-EMH25-90	P2773039	25	65	90	60	24	25	M18	2	1.80
	BT40AD/B-EMH32-100	P2773040	32	72	100	64	24	28	M20	2	2.00
50	BT50AD/B-EMH16-80	P2773046	16	48	80	49	24	-	M14	1	4.00
	BT50AD/B-EMH20-80	P2773048	20	52	80	52	25	-	M16	1	4.20
	BT50AD/B-EMH25-100	P2773049	25	65	100	60	24	25	M18	2	4.60
	BT50AD/B-EMH32-105	P2773050	32	72	105	64	24	28	M20	2	4.70

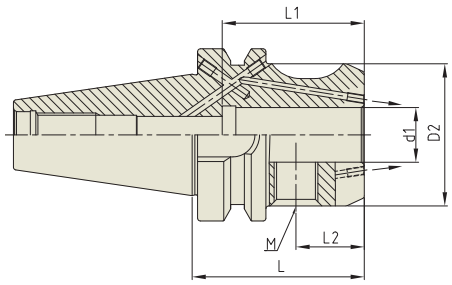
- Balancing grade G2.5 at 25,000 RPM or U max <1 gmm.
- Standard End Mill Holder is for a cutting tool with Weldon shank and End Mill Holder for a cutting tool with Whistle notch shank is available upon request.
- Combi-style holder with ball jointed clamping screw which can be used with cutting tools with weldon and Whistle notch shank is available.

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END MILL HOLDER (Coolant Channel)

EMH





JIS B6339-BT | AT3 | 2.5G | 25,000 RPM | AD/B+C

Unit : mm

TAPER No.	MODEL No.	EDP No.	d1	D2	L	L1	L2	L3	M	WEIGHT (Kg)
40	BT40AD/B-EMH12C-63	P2772994	12	42	63	44	22.5	-	M12	1.30

- Balancing grade G2.5 at 25,000 RPM or U max <1 gmm.
- Standard End Mill Holder is for a cutting tool with Weldon shank and End Mill Holder for a cutting tool with Whistle notch shank is available upon request.
- Combi-style holder with ball jointed clamping screw which can be used with cutting tools with weldon and Whistle notch shank is available.

END MILL HOLDER

EMH



JIS B6339-BT | AT3 | 6.3G | 15,000 RPM | AD

FIG.1

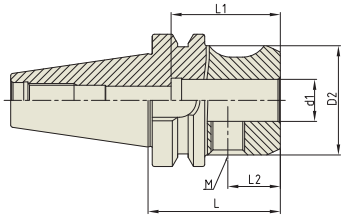
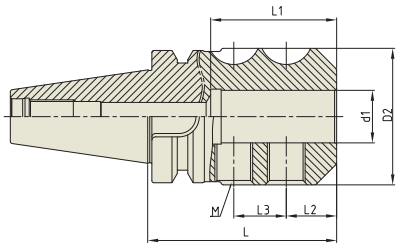


FIG.2



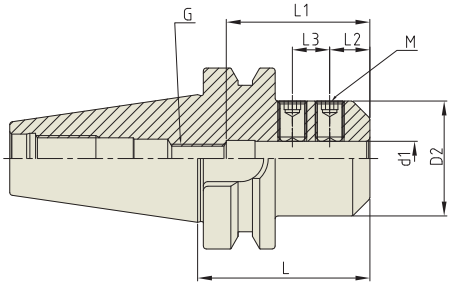
Unit : mm

TAPER No.	MODEL No.	EDP No.	d1	D2	L	L1	L2	L3	M	FIG.	WEIGHT (Kg)
40	BT40-EMH6-50	P2773061	6	25	50	35	18	-	M6	1	1.00
	BT40-EMH8-50	P2773062	8	28	50	35	18	-	M8	1	1.00
	BT40-EMH10-63	P2773063	10	35	63	39	20	-	M10	1	1.10
	BT40-EMH12-63	P2773064	12	42	63	44	22.5	-	M12	1	1.30
	BT40-EMH16-63	P2773066	16	48	63	52	24	-	M14	1	1.70
	BT40-EMH20-63	P2773068	20	52	63	52	25	-	M16	1	1.80
	BT40-EMH25-90	P2773069	25	65	90	60	24	25	M18	2	1.80
	BT40-EMH32-100	P2773070	32	72	100	64	24	28	M20	2	2.00
50	BT50-EMH20-80	P2773078	20	52	80	52	25	-	M16	1	4.20
	BT50-EMH25-100	P2773079	25	65	100	60	24	25	M18	2	4.60
	BT50-EMH32-105	P2773080	32	72	105	64	24	28	M20	2	4.70

SIDE LOCK ARBOR

SLA





JIS B6339-BT | AT3 | AD

Unit : mm

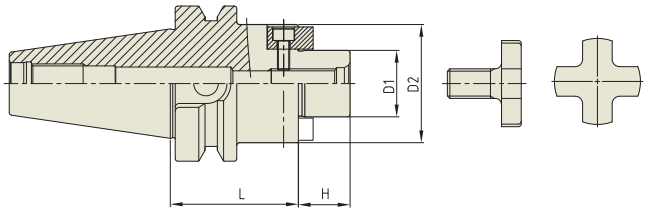
TAPER No.	MODEL No.	EDP No.	d1	D2	L	L1	L2	L3	M	G	WEIGHT (Kg)
40	**BT40-SLA16-90**	**P2780214**	16	40	90	70	25	20	M12	M12	1.50

▶ Standard design of Side Lock Arbor is for cutting tools with straight shank having flat face.
▶ Side Lock Arbor is non balancing.

SHELL MILL ARBOR (Small Face)

SMA





JIS B6339-BT | AT3 | 6.3G | 15,000 RPM | AD

Unit : mm

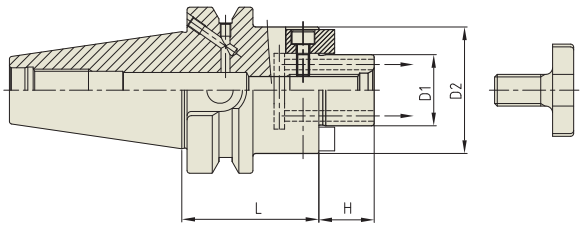
TAPER No.	MODEL No.	EDP No.	D1	D2	L	H	BOLT	WEIGHT (Kg)
40	**BT40-SMA32-60**	**P2778807**	32	58	60	24	M16x26L	1.72
50	**BT50-SMA16-75**	**P2778809**	16	32	75	17	M8x16L	3.75
	BT50-SMA27-75	**P2778811**	27	48	75	21	M12x22L	4.09
	BT50-SMA27-120	**P2778821**	27	48	120	21	M12x22L	4.56
	BT50-SMA32-75	**P2778812**	32	58	75	24	M16x26L	4.35

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SHELL MILL ARBOR (Coolant Channel & Small Face)

SMA





JIS B6339-BT | AT3 | 6.3G | 15,000 RPM | AD/B+C

Unit : mm

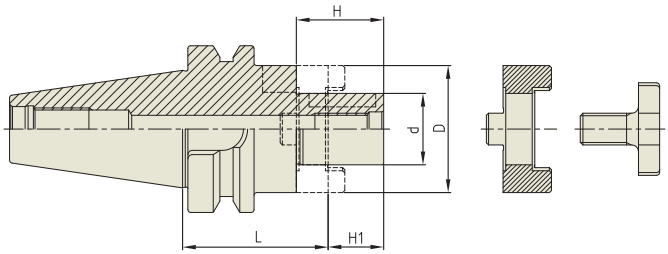
TAPER No.	MODEL No.	EDP No.	D1	D2	L	H	BOLT	WEIGHT (Kg)
40	BT40AD/B-SMA16C-60	P2801024C	16	32	60	17	M8x16L	1.00
	BT40AD/B-SMA16C-120	P2801035C	16	32	120	17	M8x16L	-
	BT40AD/B-SMA22C-60	P2801025C	22	40	60	19	M10x18L	1.20
	BT40AD/B-SMA22C-120	P2801036C	22	40	120	19	M10x18L	-
	BT40AD/B-SMA27C-60	P2801026C	27	48	60	21	M12x22L	1.34
	BT40AD/B-SMA27C-120	P2801037C	27	48	120	21	M12x22L	-
	BT40AD/B-SMA32C-60	P2801027C	32	58	60	24	M16x26L	1.55
	BT40AD/B-SMA32C-120	P2801038C	32	58	120	24	M16x26L	-
	BT40AD/B-SMA40C-60	P2801028C	40	70	60	27	M20x30L	1.97
50	BT50AD/B-SMA16C-75	P2801029C	16	32	75	17	M8x16L	3.00
	BT50AD/B-SMA22C-75	P2801030C	22	40	75	19	M10x18L	3.72
	BT50AD/B-SMA27C-75	P2801031C	27	48	75	21	M12x22L	3.87
	BT50AD/B-SMA27C-120	P2801041C	27	48	120	21	M12x22L	4.68
	BT50AD/B-SMA32C-75	P2801032C	32	58	75	24	M16x26L	4.08

▶ With "Coolant Through" by coolant channels.

COMBI SHELL MILL ARBOR

CMA





JIS B6339-BT | AT3 | 6.3G | 15,000 RPM | AD

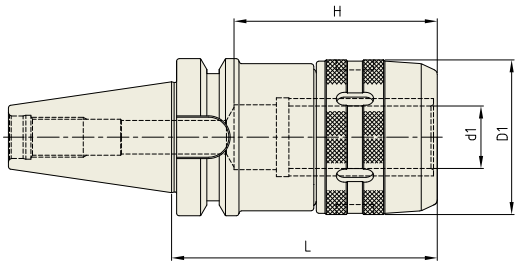
Unit : mm

TAPER No.	MODEL No.	EDP No.	d	D	L	H1	H	WEIGHT (Kg)
40	BT40-CMA16-55	P2544004	16	32	55	17	27	1.14
	BT40-CMA22-55	P2544005	22	40	55	19	31	1.26
	BT40-CMA27-55	P2544006	27	48	55	21	33	1.42
	BT40-CMA32-60	P2544007	32	58	60	24	38	1.72

POWER MILLING CHUCK

C





JIS B6339-BT | AT3 | AD

Unit : mm

TAPER No.	MODEL No.	EDP No.	d1	D1	L	H	WEIGHT (Kg)
40	BT40-C20-80	P2546003	20	54	80	70	2.00
	BT40-C20-105	P2546004	20	54	105	70	2.10
	BT40-C32-90	P2546006	32	72	90	100	3.00

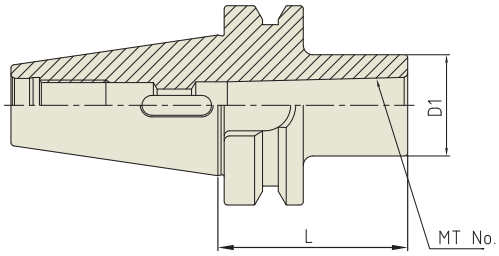
▶ For applic.able collet, spanner, please refer to page 95.
▶ Balancing grade is adjusted on Basic holder only without Clamping Cap.

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MORSE TAPER ARBOR

MTA





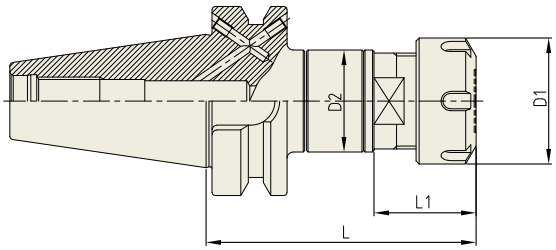
JIS B6339-BT | AT3 | 6.3G | 15,000 RPM

Unit : mm

TAPER No.	MODEL No.	EDP No.	MT No.	D1	L	WEIGHT (Kg)
30	BT30-MTA2-60	P2542002	2	32	60	0.50
40	BT40-MTA1-45	P2542005	1	25	45	1.00
	BT40-MTA2-60	P2542013	2	32	60	1.00
	BT40-MTA3-75	P2542014	3	40	75	1.20
	BT40-MTA4-95	P2542007	4	50	95	1.10
50	BT50-MTA1-120	P2542017	1	25	120	4.30
	BT50-MTA3-45	P2542021	3	40	45	3.90
	BT50-MTA3-150	P2542022	3	40	150	4.70
	BT50-MTA4-75	P2542023	4	50	75	4.00
	BT50-MTA4-105	P2542024	4	50	105	4.50
	BT50-MTA4-180	P2542025	4	50	180	5.40

SYNCHRO TAPPING CHUCK (ER Type)

SYTER



JIS B6339-BT | AT3 | AD/B

Unit : mm

TAPER No.	MODEL No.	EDP No.	TAP SIZE	NUT/ COLLET	D1	D2	L	L1	Tension/ Compression	WEIGHT (Kg)
40	BT40AD/B-SYTER12-79	P2776301	M2-M8	ER16	28	34	79	26	±0.2	1.14
	BT40AD/B-SYTER16-85	P2776302	M3-M10	ER20	34	34	85	27	±0.2	1.17
	BT40AD/B-SYTER20-90	P2776303	M3-M14	ER25	42	34	90	34	±0.2	1.17
	BT40AD/B-SYTER27-100	P2776304	M4-M18	ER32	50	45	100	31	±0.2	1.45
50	BT50AD/B-SYTER27-110	P2776309	M4-M18	ER32	50	45	110	31	±0.2	3.99

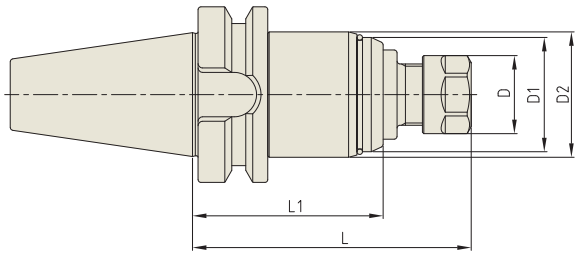
▶ Feature :
- Compensation for synchronization error to extend tap life and to improve thread quality.
- To compensate for pitch tolerance of taps.
- For Machine with asynchronized spindle.

▶ ER collet of page 83-90 and Tap ER collet of page 91-92.

TAPPING ER CHUCK

TER





JIS B6339-BT | AT3

Unit : mm

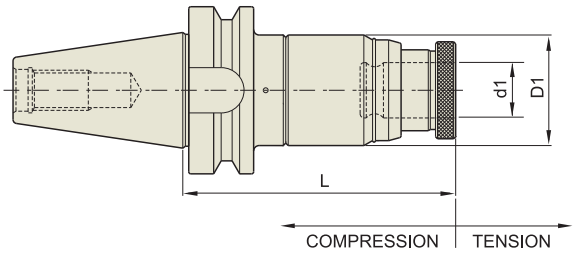
TAPER No.	MODEL No.	EDP No.	TAP SIZE	NUT/ COLLET	D	D1	L	L1	WEIGHT (Kg)
40	BT40-TER16-100	P2774159	M3-M12	ER16	28	45	100	68.4	1.45
	BT40-TER32-110	P2774161	M4-M27	ER32	50	63	110	72	2.20

▶ ER collet of page 83-90 and Tap ER collet of page 91-92.

TAPPING CHUCK (Quick Change Type)

TC





JIS B6339-BT

AT3

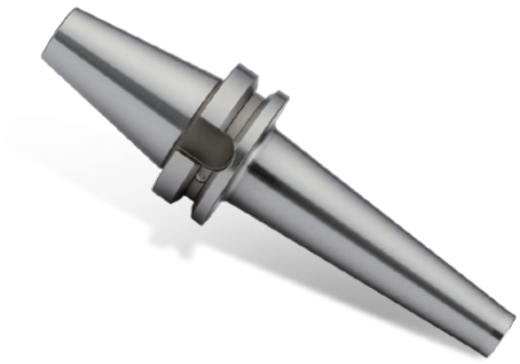
Unit : mm

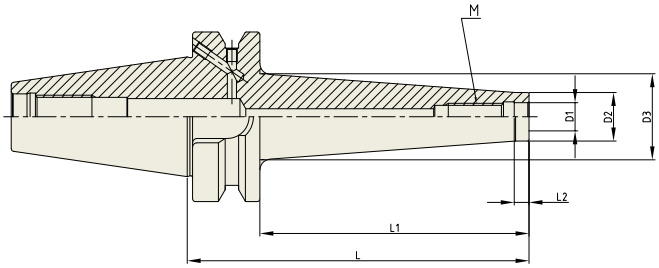
TAPER No.	MODEL No.	EDP No.	TAP SIZE	TAP ADAPTOR	LENGTH COMPENSATION		d1	D1	L	WEIGHT (Kg)
					Compression	Tension				
40	**BT40-TC12-90**	**P2540011**	M3-M12	TCS12	5	15	19	45	95	1.50
	BT40-TC24-100	**P2540002**	M6-M24	TCS24	5	20	31	63	100	2.10
50	**BT50-TC24-142**	**P2540004**	M6-M24	TCS24	5	20	31	63	142	5.80
	BT50-TC38-175	**P2540005**	M18-M38	TCS38	10	25	48	98	175	8.30

▶ For Applicable Tap adaptor, please refer to page 96.

COPY MILL ARBOR

M





JIS B6339-BT | AT3 | 2.5G | 25,000 RPM | (I.D) ≤3㎛ | AD/B

Unit : mm

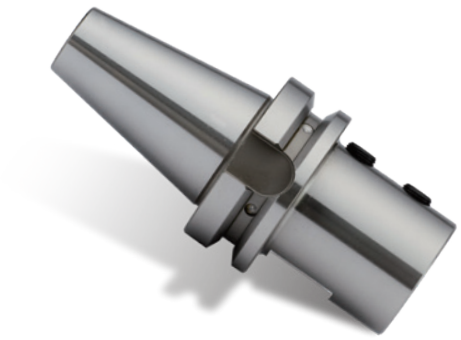
TAPER No.	MODEL No. (M-L1)	EDP No.	D1	D2	D3	L	L1	L2	WEIGHT (Kg)
40	BT40AD/B-M6-25	P2801901	6.5	10	13	52	25	5	0.94
	BT40AD/B-M6-50	P2801902	6.5	10	20	77	50	5	0.99
	BT40AD/B-M6-75	P2801903	6.5	10	23	102	75	5	1.04
	BT40AD/B-M10-25	P2801907	10.5	18	20	52	25	5	0.97
	BT40AD/B-M10-50	P2801908	10.5	18	23	77	50	5	1.04
	BT40AD/B-M10-75	P2801909	10.5	18	32	102	75	5	1.28
	BT40AD/B-M16-25	P2801913	17	29	29	52	25	5	1.01
	BT40AD/B-M16-75	P2801914	17	29	34	102	75	5	1.32
	BT40AD/B-M16-125	P2801915	17	29	40	152	125	5	1.75
50	BT50AD/B-M16-50	P2801921	17	29	29	88	50	10	3.63
	BT50AD/B-M16-100	P2801922	17	29	36	138	100	10	3.98
	BT50AD/B-M16-150	P2801923	17	29	42.5	188	150	10	4.48

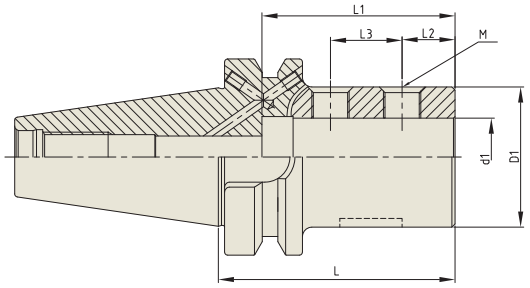
▶ Balancing grade G2.5 at 25,000 RPM or U max <1 gmm.
▶ For the screw in milling cutters with thread.

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INDEXABLE DRILL HOLDER

SL





JIS B6339-BT | AT3 | 6.3G | 15,000 RPM | AD/B

Unit : mm

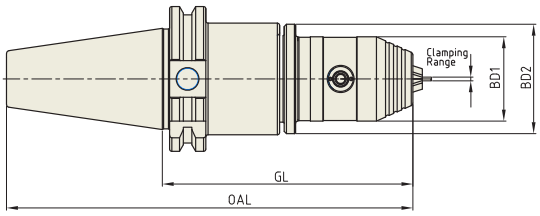
TAPER No.	MODEL No.	EDP No.	d1	D1	L	L1	L2	L3	M	WEIGHT (Kg)
40	BT40AD/B-SL20-72	P2802101	20	40	72	54	15	20	M10	1.09
	BT40AD/B-SL25-76	P2802102	25	45	76	62	17	23	M12	1.11
	BT40AD/B-SL32-80	P2802103	32	52	80	67	17	27	M12	1.17
50	BT50AD/B-SL20-90	P2802105	20	40	90	54	15	20	M10	3.74

▶ For the indexable drills with parallel shank.

NC DRILL CHUCK (HEX. KEY TYPE)

HKD





JIS B6339-BT | AT3 | AD or AD/B

Unit : mm

TAPER No.	MODEL No.	EDP No.	CLAMPING RANGE	OAL	GL	BD1	BD2	WEIGHT (Kg)
40	BT40-HKD8-90	P2804005	0.3 - 8.0	155.4	90	37	48	-
	BT40-HKD13-110	P2804006	0.3 - 13.0	175.4	110	50.1	50.1	-
	BT40AD/B-HKD8-120	P2804007	0.3 - 8.0	185.4	120	37	48	-
	BT40AD/B-HKD13-140	P2804008	0.3 - 13.0	205.4	140	50.1	50.1	-

▶ Supplied with hex wrench. (Size HKD8 : 4mm, HKD13 : 6mm)

HYDRAULIC CHUCK (Power E Hydro) HCP

FIG.1

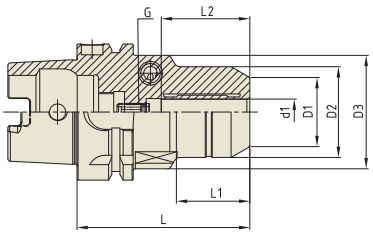
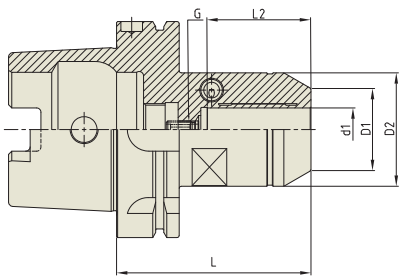


FIG.2



DIN 69893-HSK | AT3 | 2.5G | 25,000 RPM | (at 3D) ≤3μm | AD

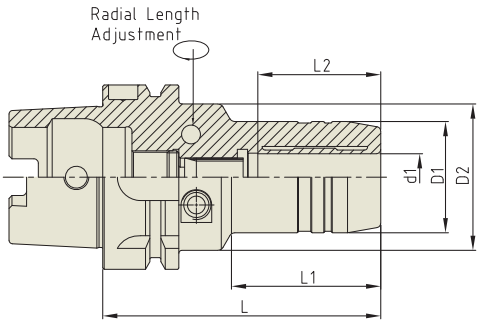
Unit : mm

TAPER No.	MODEL No.	EDP No.	d1	D1	D2	D3	L	L1	L2	G	FIG.	WEIGHT (Kg)
63A	HSK63A-HC12P-80	P2770302P	12	32	42	52.5	80	34	41	M8x1.0	1	1.20
	HSK63A-HC20P-80	P2770301P	20	38	52.5	-	80	-	48	M8x1.0	2	1.30
100A	HSK100A-HC20P-90	P2770303P	20	38	52.5	-	90	-	48	M8x1.0	2	2.80
	HSK100A-HC32P-100	P2770304P	32	58.5	72	-	100	-	57	M8x1.0	2	3.70

- For applicable hydraulic chuck collet, please refer to page 80-82.
- Balancing grade G2.5 at 25,000 RPM or U max < 1 gmm.
- Supplied with clamping T-wrench.

HYDRAULIC CHUCK (Radial Tool Length Pre-setting Type) HCR





DIN 69893-HSK | AT3 | 2.5G | 25,000 RPM | (at 3D) ≤3μm | AD

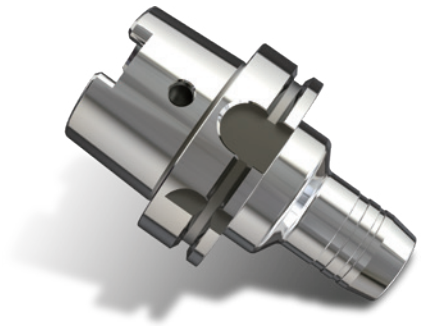
Unit : mm

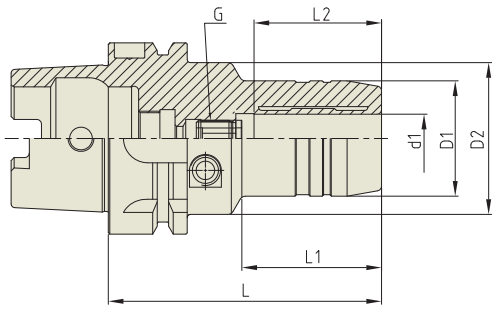
TAPER No.	MODEL No.	EDP No.	d1	D1	D2	L	L1	L2	WEIGHT (Kg)
63A	HSK63A-HCR6-80	P2770205	6	26	50	80	33	27	0.96
	HSK63A-HCR12-90	P2567011	12	32	50	90	40	37	1.06
	HSK63A-HCR20-100	P2567012	20	42	50	100	51	42	1.22
100A	HSK100A-HCR32-120	P2770231	32	64	75	120	63.5	55	4.60

- For applicable hydraulic chuck collet, please refer to page 80-82.
- Balancing grade G2.5 at 25,000 RPM or U max < 1 gmm.
- Supplied with clamping T-wrench.

HYDRAULIC CHUCK (Standard)

HC





DIN 69893-HSK | 2.5G | 25,000 RPM | (at 3D) ≤3μm | AD

Unit : mm

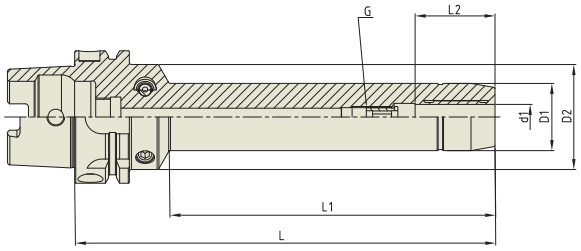
TAPER No.	MODEL No.	EDP No.	d1	D1	D2	L	L1	L2	G	WEIGHT (Kg)
63A	HSK63A-HC6-70	P2567001	6	26	50	70	24	27	M5×0.8	0.53
	HSK63A-HC8-70	P2567002	8	28	50	70	25	27	M6×1.0	0.55
	HSK63A-HC10-80	P2567003	10	30	50	80	35	32	M8×1.0	1.00
	HSK63A-HC12-85	P2567004	12	32	50	85	40	37	M10×1.0	1.03
	HSK63A-HC14-85	P2567005	14	34	50	85	40	37	M10×1.0	1.05
	HSK63A-HC16-90	P2567006	16	38	50	90	46	42	M12×1.0	1.15
	HSK63A-HC18-90	P2567007	18	40	50	90	47	42	M12×1.0	1.15
	HSK63A-HC20-90	P2567008	20	42	50	90	48	42	M16×1.0	1.20
	HSK63A-HC25-120	P2567009	25	57	63	120	59	48	M16×1.0	2.20
100A	HSK100A-HC20-105	P2757010	20	42	50	105	59	42	M16×1.0	4.00
	HSK100A-HC32-110	P2757020	32	64	75	110	62	55	M16×1.0	4.30
63F	HSK63F-HC20-85	P2770461	20	42	50	85	46	42	M12x1.0	1.20

▶ For applicable hydraulic chuck collet, please refer to page 80-82.
▶ Balancing grade G2.5 at 25,000 RPM or U max < 1 gmm.
▶ Supplied with clamping T-wrench.

HYDRAULIC CHUCK (Long & Slim)

HC-LS





DIN 69893-HSK | 2.5G | 25,000 RPM | (at 3D) ≤3μm | AD

Unit : mm

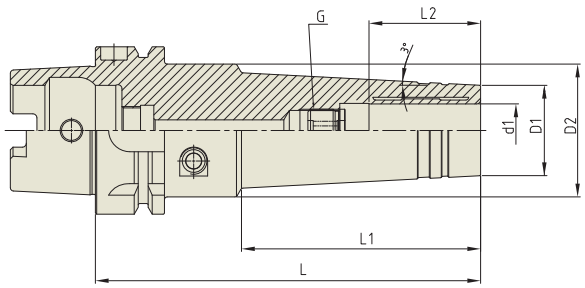
TAPER No.	MODEL No.	EDP No.	d1	D1	D2	L	L1	L2	G	WEIGHT (Kg)
63A	HSK63A-HC6LS-150	P2770469	6	26	50	150	103.0	27	M5×0.8	1.40
	HSK63A-HC6LS-200	P2770470	6	26	50	200	153.0	27	M5×0.8	1.60
	HSK63A-HC8LS-150	P2770471	8	28	50	150	104.0	27	M6×1.0	1.40
	HSK63A-HC8LS-200	P2770472	8	28	50	200	154.0	27	M6×1.0	1.60
	HSK63A-HC10LS-150	P2770473	10	30	50	150	104.0	31	M8×1.0	1.50
	HSK63A-HC10LS-200	P2770474	10	30	50	200	154.0	31	M8×1.0	1.70
	HSK63A-HC12LS-150	P2770475	12	32	50	150	105.0	36	M10×1.0	1.50
	HSK63A-HC12LS-200	P2770476	12	32	50	200	155.0	36	M10×1.0	1.80
	HSK63A-HC14LS-150	P2770477	14	34	50	150	105.0	36	M10×1.0	1.60
	HSK63A-HC16LS-150	P2770478	16	38	50	150	156.0	39	M12×1.0	1.80
	HSK63A-HC16LS-200	P2770479	16	38	50	200	156.0	39	M12×1.0	2.20
	HSK63A-HC18LS-150	P2770480	18	40	50	150	107.0	39	M12×1.0	1.80
	HSK63A-HC20LS-150	P2770481	20	42	50	150	108.0	41	M16×1.0	1.90
	HSK63A-HC20LS-200	P2770482	20	42	50	200	158.0	41	M16×1.0	2.40

▶ For applicable hydraulic chuck collet, please refer to page 80-82.
▶ Balancing grade G2.5 at 25,000 RPM or U max < 1 gmm.
▶ Supplied with clamping T-wrench.

HYDRAULIC CHUCK (For Mold and Die)

HMC





DIN 69893-HSK | 2.5G | 25,000 RPM | (at 3D) ≤3μm | AD

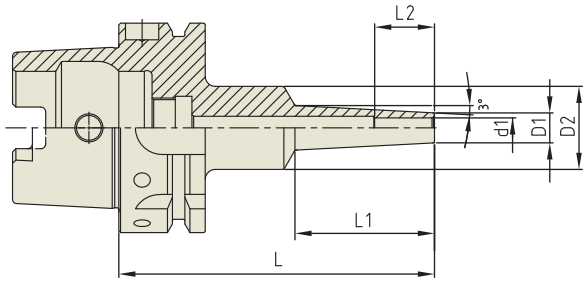
Unit : mm

TAPER No.	MODEL No.	EDP No.	d1	D1	D2	L	L1	L2	G	WEIGHT (Kg)
63A	HSK63A-HMC6-145	P2770801	6	20	50	145	90	27	M5×0.8	1.40
	HSK63A-HMC8-145	P2770802	8	22	50	145	90	27	M6×1.0	1.40
	HSK63A-HMC10-145	P2770803	10	24	50	145	90	32	M8×1.0	1.40
	HSK63A-HMC12-145	P2770804	12	25	50	145	90	37	M10×1.0	1.40
	HSK63A-HMC20-145	P2770806	20	34	50	145	90	42	M16×1.0	1.50
100A	HSK100A-HMC12-150	P2770809	12	25	50	150	90	37	M10×1.0	4.50

▶ For applicable hydraulic chuck collet, please refer to page 80-82.
▶ Balancing grade G2.5 at 25,000 RPM or U max < 1 gmm.
▶ Supplied with clamping T-wrench.

SHRINK FIT HOLDER (Extra Slim)

SFHS



DIN 69893-HSK | 2.5G | 25,000 RPM | (I.D) ≤3㎛ | AD

Unit : mm

TAPER No.	MODEL No.	EDP CODE	d1	D1	D2	L	L1	L2	WEIGHT (Kg)
63A	HSK63A-SFHS4-95	P2779819S	4	7	25	95	42	12	0.75
	HSK63A-SFHS4-120	P2779820S	4	7	25	120	67	12	0.78
	HSK63A-SFHS6-95	P2779821S	6	9	25	95	42	18	0.76
	HSK63A-SFHS6-120	P2779822S	6	9	25	120	97	18	0.78
	HSK63A-SFHS8-95	P2779823S	8	11	25	95	42	24	0.75
	HSK63A-SFHS8-160	P2779824S	8	11	32	160	97	24	0.97
	HSK63A-SFHS10-95	P2779825S	10	13	25	95	42	30	0.76
	HSK63A-SFHS10-160	P2779826S	10	13	32	160	97	30	1.00
	HSK63A-SFHS12-95	P2779827S	12	15	32	95	42	30	0.83
	HSK63A-SFHS12-160	P2779828S	12	15	32	160	97	30	1.04

▶ Balancing grade G2.5 at 25,000 RPM or U max <1 gmm.

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SHRINK FIT HOLDER

SFH



FIG.1

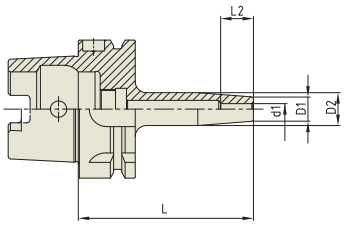
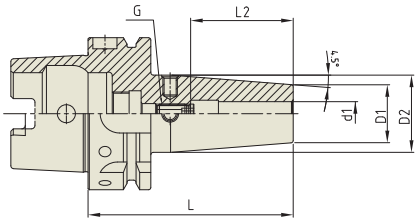


FIG.2



DIN 69893-HSK | 2.5G | 25,000 RPM | (LD) ≤3μm | AD

Unit : mm

TAPER No.	MODEL No.	EDP No.	d1	D1	D2	L	L2	G	FIG.	WEIGHT (Kg)
63A	HSK63A-SFH3-80	P2771401	3	11	15	80	10	-	1	0.70
	HSK63A-SFH3-120	P2860074	3	11	15	120	10	-	1	-
	HSK63A-SFH3-160	P2860075	3	11	15	160	10	-	1	-
	HSK63A-SFH4-80	P2771402	4	11	15	80	12	-	1	0.70
	HSK63A-SFH4-120	P2860079	4	11	15	120	12	-	1	-
	HSK63A-SFH4-160	P2860080	4	11	15	160	12	-	1	-
	HSK63A-SFH5-80	P2771403	5	11	15	80	15	-	1	0.70
	HSK63A-SFH5-120	P2860081	5	11	15	120	15	-	1	-
	HSK63A-SFH5-160	P2860082	5	11	15	160	15	-	1	-
	HSK63A-SFH6-80	P2565057	6	21	27	80	36	M5×0.8	2	0.83
	HSK63A-SFH6-120	P2565056	6	21	27	120	36	M5×0.8	2	-
	HSK63A-SFH6-160	P2771404	6	21	27	160	36	M5×0.8	2	1.00
	HSK63A-SFH6-200	P2860083	6	21	27	200	36	M5×0.8	2	-
	HSK63A-SFH8-80	P2600007	8	21	27	80	36	M6×1.0	2	0.83
	HSK63A-SFH8-120	P2771488	8	21	27	120	36	M6×1.0	2	-
	HSK63A-SFH8-160	P2771405	8	21	27	160	36	M6×1.0	2	1.00
	HSK63A-SFH8-200	P2860085	8	21	27	200	36	M6×1.0	2	-
	HSK63A-SFH10-85	P2565052	10	24	32	85	42	M8×1.0	2	0.83
	HSK63A-SFH10-120	P2565051	10	24	32	120	42	M8×1.0	2	-
	HSK63A-SFH10-160	P2771406	10	24	32	160	42	M8×1.0	2	1.00
	HSK63A-SFH10-200	P2860069	10	24	32	200	42	M8×1.0	2	-
	HSK63A-SFH12-90	P2600003	12	24	32	90	47	M10×1.0	2	0.83
	HSK63A-SFH12-120	P2771486	12	24	32	120	47	M10×1.0	2	-
	HSK63A-SFH12-160	P2771407	12	24	32	160	47	M10×1.0	2	1.00
	HSK63A-SFH12-200	P2860070	12	24	32	200	47	M10×1.0	2	-
	HSK63A-SFH14-90	P2771454	14	27	34	90	47	M10×1.0	2	0.91
	HSK63A-SFH16-95	P2565054	16	27	34	95	50	M12×1.0	2	0.98
	HSK63A-SFH16-120	P2600004	16	27	34	120	50	M12×1.0	2	-
	HSK63A-SFH16-160	P2565053	16	27	34	160	50	M12×1.0	2	1.40
	HSK63A-SFH16-200	P2860071	16	27	34	200	50	M12×1.0	2	-

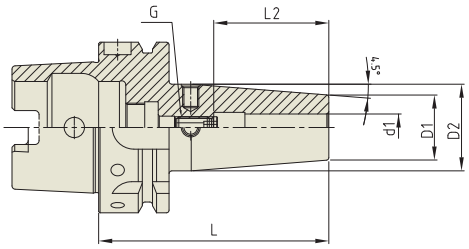
▶ Supplied without balancing screw.
▶ Balancing grade G2.5 at 25,000 RPM or U max <1 gmm.

▶ NEXT PAGE

SHRINK FIT HOLDER

SFH





DIN 69893-HSK | 2.5G | 25,000 RPM | (I.D) ≤3㎛ | AD

Unit : mm

TAPER No.	MODEL No.	EDP No.	d1	D1	D2	L	L2	G	WEIGHT (Kg)
63A	HSK63A-SFH20-100	P2600005	20	33	42	100	52	M16×1.0	1.00
	HSK63A-SFH20-120	P2600006	20	33	42	120	52	M16×1.0	-
	HSK63A-SFH20-160	P2565055	20	33	42	160	52	M16×1.0	1.40
	HSK63A-SFH20-200	P2860072	20	33	42	200	52	M16×1.0	-
	HSK63A-SFH25-115	P2771458	25	44	53	115	58	M16×1.0	1.40
	HSK63A-SFH25-160	P2771459	25	44	53	160	58	M16×1.0	1.80
	HSK63A-SFH25-200	P2860073	25	44	53	200	58	M16×1.0	-
	HSK63A-SFH32-120	P2860076	32	44	53	120	58	M16×1.0	-
	HSK63A-SFH32-160	P2860077	32	44	53	160	58	M16×1.0	-
	HSK63A-SFH32-200	P2860078	32	44	53	200	58	M16×1.0	-

▶ Supplied without balancing screw.
▶ Balancing grade G2.5 at 25,000 RPM or U max <1 gmm.

▶ NEXT PAGE

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SHRINK FIT HOLDER

SFH



FIG.1

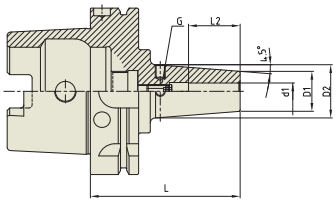
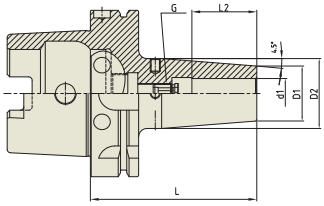


FIG.2



DIN 69893-HSK | 2.5G | 25,000 RPM | (LD) ≤3㎛ | AD

Unit : mm

TAPER No.	MODEL No.	EDP No.	d1	D1	D2	L	L2	G	FIG.	WEIGHT (Kg)
100A	HSK100A-SFH4-85	P2771470	4	11	15	85	12	-	1	1.30
	HSK100A-SFH6-85	P2777301	6	21	27	85	36	M5×0.8	1	1.30
	HSK100A-SFH6-160	P2771472	6	21	27	160	36	M5×0.8	1	1.80
	HSK100A-SFH8-85	P2777302	8	21	27	85	36	M6×1.0	1	1.30
	HSK100A-SFH8-160	P2771473	8	21	27	160	36	M6×1.0	1	1.80
	HSK100A-SFH10-90	P2777303	10	24	32	90	42	M8×1.0	1	1.30
	HSK100A-SFH12-95	P2777304	12	24	32	95	47	M10×1.0	1	1.30
	HSK100A-SFH12-160	P2771475	12	24	32	160	47	M10×1.0	1	1.80
	HSK100A-SFH16-100	P2771478	16	27	34	100	50	M12×1.0	1	1.40
	HSK100A-SFH16-160	P2771479	16	27	34	160	50	M12×1.0	1	1.90
	HSK100A-SFH20-100	P2771482	20	33	42	100	52	M16×1.0	2	1.50
	HSK100A-SFH20-160	P2771483	20	33	42	160	52	M16×1.0	2	2.00
	HSK100A-SFH25-115	P2771484	25	44	53	115	58	M16×1.0	2	1.80
	HSK100A-SFH25-160	P2771485	25	44	53	160	58	M16×1.0	2	2.30

▶ Supplied without balancing screw.
▶ Balancing grade G2.5 at 25,000 RPM or U max <1 gmm.

SHRINK FIT HOLDER (Coolant Channel)

SFHC



DIN 69893-HSK | 2.5G | 25,000 RPM | (LD) ≤3μm | AD+C

FIG.1

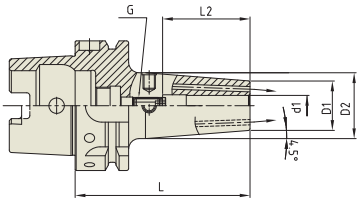
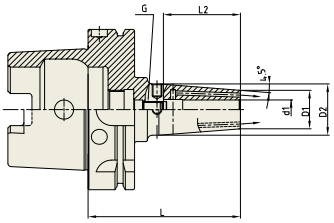


FIG.2



Unit : mm

TAPER No.	MODEL No.	EDP No.	d1	D1	D2	L	L2	G	FIG.	WEIGHT (Kg)
63A	HSK63A-SFH6C-80	P2862013C	6	21	27	80	36	M5x0.8	1	0.83
	HSK63A-SFH6C-120	P2863431C	6	21	27	120	36	M5x0.8	1	-
	HSK63A-SFH6C-160	P2862014C	6	21	27	160	36	M5x0.8	1	1.00
	HSK63A-SFH8C-80	P2862015C	8	21	27	80	36	M6x1.0	1	0.83
	HSK63A-SFH8C-120	P2862129C	8	21	27	120	36	M6x1.0	1	-
	HSK63A-SFH8C-160	P2862016C	8	21	27	160	36	M6x1.0	1	1.00
	HSK63A-SFH10C-85	P2862017C	10	24	32	85	42	M8x1.0	1	0.83
	HSK63A-SFH10C-120	P2862130C	10	24	32	120	42	M8x1.0	1	-
	HSK63A-SFH10C-160	P2862018C	10	24	32	160	42	M8x1.0	1	1.00
	HSK63A-SFH12C-90	P2862019C	12	24	32	90	47	M10x1.0	1	0.83
	HSK63A-SFH12C-120	P2863427C	12	24	32	120	47	M10x1.0	1	-
	HSK63A-SFH12C-160	P2862020C	12	24	32	160	47	M10x1.0	1	1.00
	HSK63A-SFH16C-95	P2862023C	16	27	34	95	50	M12x1.0	1	0.98
	HSK63A-SFH16C-120	P2863428C	16	27	34	120	50	M12x1.0	1	-
	HSK63A-SFH16C-160	P2862024C	16	27	34	160	50	M12x1.0	1	1.40
	HSK63A-SFH20C-100	P2862027C	20	33	42	100	52	M16x1.0	1	1.00
	HSK63A-SFH20C-120	P2863429C	20	33	42	120	52	M16x1.0	1	-
	HSK63A-SFH20C-160	P2862028C	20	33	42	160	52	M16x1.0	1	1.40
	HSK63A-SFH25C-115	P2862029C	25	44	53	115	58	M16x1.0	1	1.40
	HSK63A-SFH25C-160	P2862030C	25	44	53	160	58	M16x1.0	1	1.80
	HSK63A-SFH32C-120	P2863430C	32	44	53	160	58	M16x1.0	1	-
100A	HSK100A-SFH6C-85	P2862031C	6	21	27	85	36	M5x0.8	2	1.30
	HSK100A-SFH6C-160	P2862032C	6	21	27	160	36	M5x0.8	2	1.80
	HSK100A-SFH8C-85	P2862033C	8	21	27	85	36	M6x1.0	2	1.30
	HSK100A-SFH8C-160	P2862034C	8	21	27	160	36	M6x1.0	2	1.80
	HSK100A-SFH10C-90	P2862035C	10	24	32	90	42	M8x1.0	2	1.30
	HSK100A-SFH12C-95	P2862037C	12	24	32	95	47	M10x1.0	2	1.30
	HSK100A-SFH12C-160	P2862038C	12	24	32	160	47	M10x1.0	2	1.80
	HSK100A-SFH16C-100	P2862041C	16	27	34	100	50	M12x1.0	2	1.40
	HSK100A-SFH16C-160	P2862042C	16	27	34	160	50	M12x1.0	2	1.90
	HSK100A-SFH20C-100	P2862045C	20	33	42	100	52	M16x1.0	1	1.50
	HSK100A-SFH20C-160	P2862046C	20	33	42	160	52	M16x1.0	1	2.00
	HSK100A-SFH25C-115	P2862047C	25	44	53	115	58	M16x1.0	1	1.80
	HSK100A-SFH25C-160	P2862048C	25	44	53	160	58	M16x1.0	1	2.30

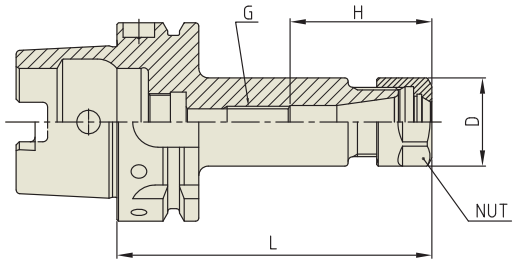
- Supplied without balancing screw.
- Balancing grade G2.5 at 25,000 RPM or U max <1 gmm.
- With two coolant channel bores.
- Resealable coolant channel type is available upon request. (Thread for plugging screws & 2 screws)

Phone: +82-32-526-0909, www.yg1.solutions, E-mail: yg1@yg1.solutions

ER COLLET CHUCK

ER





DIN 69893-HSK | 2.5G | 25,000 RPM | AD

Unit : mm

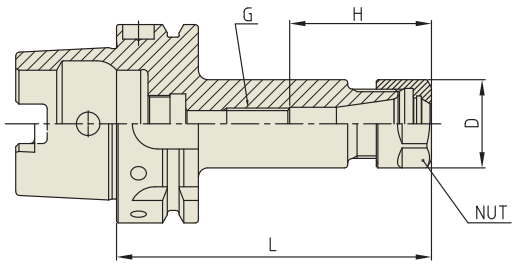
TAPER No.	MODEL No.	EDP No.	CLAMPING RANGE	L	D	G	H	NUT/ COLLET	WEIGHT (Kg)
50A	HSK50A-ER32-100	P2774941	1.0 - 20.0	100	50	M12	47	ER32	1.50
63A	HSK63A-ER16-75	P2774964	0.5 - 10.0	75	28	M12	45	ER16	-
	HSK63A-ER16-100	P2774901	0.5 - 10.0	100	28	M12	45	ER16	1.20
	HSK63A-ER16-130	P2774966	0.5 - 10.0	130	28	M12	45	ER16	-
	HSK63A-ER16-160	P2774953	0.5 - 10.0	160	28	M12	45	ER16	-
	HSK63A-ER16-200	P2774981	0.5 - 10.0	200	28	M12	45	ER16	-
	HSK63A-ER20-75	P2774986	0.5 - 13.0	75	35	M12	45	ER16	-
	HSK63A-ER20-100	P2774942	0.5 - 13.0	100	35	M12	50	ER20	1.50
	HSK63A-ER20-130	P2774967	0.5 - 13.0	130	35	M12	50	ER20	-
	HSK63A-ER20-160	P2774968	0.5 - 13.0	160	35	M12	50	ER20	-
	HSK63A-ER20-200	P2774985	0.5 - 13.0	200	35	M12	50	ER20	-
	HSK63A-ER25-75	P2774990	1.0 - 16.0	75	42	M12	57	ER25	-
	HSK63A-ER25-100	P2774902	1.0 - 16.0	100	42	M12	57	ER25	1.80
	HSK63A-ER25-130	P2774969	1.0 - 16.0	130	42	M12	57	ER25	-
	HSK63A-ER25-160	P2774970	1.0 - 16.0	160	42	M12	57	ER25	-
	HSK63A-ER25-200	P2774989	1.0 - 16.0	200	42	M12	57	ER25	-
	HSK63A-ER32-80	P2774994	1.0 - 20.0	80	50	M12	47	ER32	-
	HSK63A-ER32-100	P2774903	1.0 - 20.0	100	50	M12	47	ER32	2.00
	HSK63A-ER32-130	P2774971	1.0 - 20.0	130	50	M12	47	ER32	-
	HSK63A-ER32-160	P2774954	1.0 - 20.0	160	50	M12	47	ER32	-
	HSK63A-ER32-200	P2774993	1.0 - 20.0	200	50	M12	47	ER32	-
	HSK63A-ER40-120	P2774904	2.0 - 30.0	120	63	M12	69	ER40	2.30
	HSK63A-ER40-130	P2774995	2.0 - 30.0	130	63	M12	69	ER40	-
	HSK63A-ER40-160	P2774972	2.0 - 30.0	160	63	M12	69	ER40	-
	HSK63A-ER40-200	P2774997	2.0 - 30.0	200	63	M12	69	ER40	-
100A	HSK100A-ER16-100	P2774905	0.5 - 10.0	100	28	M12	45	ER16	2.60
	HSK100A-ER20-100	P2774946	0.5 - 13.0	100	35	M12	50	ER20	2.70
	HSK100A-ER25-100	P2774906	1.0 - 16.0	100	42	M12	57	ER25	2.90
	HSK100A-ER32-100	P2774907	1.0 - 20.0	100	50	M12	56.5	ER32	3.10
	HSK100A-ER40-120	P2774947	1.0 - 20.0	120	63	M12	69	ER40	3.30

▶ Balancing grade G2.5 at 25,000 RPM or U max <1 gmm.
▶ For applic.able ER collet, please refer to page 83-92.
▶ For applic.able ER nut, please refer to page 93, Sealing disk & spanner page 94-95.

ER COLLET CHUCK

ER





DIN 69893-HSK | 6.3G | 15,000 RPM | AD

Unit : mm

TAPER No.	MODEL No.	EDP No.	CLAMPING RANGE	L	D	G	H	NUT/ COLLET	WEIGHT (Kg)
63A	HSK63A-ER16-100	P2564001	0.5 - 10.0	100	28	M12	45	ER16	1.20
	HSK63A-ER25-100	P2564002	1.0 - 16.0	100	42	M12	57	ER25	1.80
	HSK63A-ER32-100	P2564003	1.0 - 20.0	100	50	M12	47	ER32	2.00
	HSK63A-ER40-120	P2564004	2.0 - 30.0	120	63	M12	69	ER40	2.30
80A	HSK80A-ER32-100	P2771934	1.0 - 20.0	100	50	M12	53	ER25	1.95
100A	HSK100A-ER25-100	P2564012	1.0 - 16.0	100	42	M12	57	ER25	2.90
	HSK100A-ER32-100	P2564013	1.0 - 20.0	100	50	M12	57	ER32	3.10
32E	HSK32E-ER16-60	P2771919	0.5 - 10.0	60	28	M12	41	ER16	-

▶ For applic.able ER collet, please refer to page 83-92.
▶ For applic.able ER nut, please refer to page 93, Sealing disk & spanner page 94-95.

END MILL HOLDER

EMH



DIN 69893-HSK | 2.5G | 25,000 RPM | AD

FIG.1

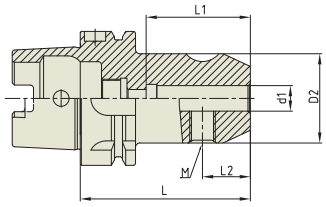
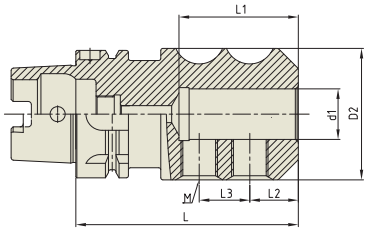


FIG.2



Unit : mm

TAPER No.	MODEL No.	EDP No.	d1	D2	L	L1	L2	L3	M	FIG.	WEIGHT (Kg)
63A	HSK63A-EMH6-65	P2775501	6	25	65	35	18	-	M6	1	0.80
	HSK63A-EMH6-100	P2775548	6	25	100	35	18	-	M6	1	-
	HSK63A-EMH6-130	P2775549	6	25	130	35	18	-	M6	1	-
	HSK63A-EMH6-160	P2775550	6	25	160	35	18	-	M6	1	-
	HSK63A-EMH8-65	P2775502	8	28	65	38	18	-	M8	1	0.80
	HSK63A-EMH8-100	P2775551	8	28	100	38	18	-	M8	1	-
	HSK63A-EMH8-130	P2775552	8	28	130	38	18	-	M8	1	-
	HSK63A-EMH8-160	P2775553	8	28	160	38	18	-	M8	1	-
	HSK63A-EMH10-65	P2775503	10	35	65	42	20	-	M10	1	0.90
	HSK63A-EMH10-100	P2775536	10	35	100	42	20	-	M10	1	-
	HSK63A-EMH10-130	P2775537	10	35	130	42	20	-	M10	1	-
	HSK63A-EMH10-160	P2775538	10	35	160	42	20	-	M10	1	-
	HSK63A-EMH12-80	P2775504	12	42	80	47	22.5	-	M12	1	1.10
	HSK63A-EMH12-100	P2775539	12	42	100	47	22.5	-	M12	1	-
	HSK63A-EMH12-130	P2775540	12	42	130	47	22.5	-	M12	1	-
	HSK63A-EMH12-160	P2775541	12	42	160	47	22.5	-	M12	1	-
	HSK63A-EMH16-80	P2775506	16	48	80	50	24	-	M14	1	1.30
	HSK63A-EMH16-100	P2775542	16	48	100	50	24	-	M14	1	-
	HSK63A-EMH16-130	P2775543	16	48	130	50	24	-	M14	1	-
	HSK63A-EMH16-160	P2775544	16	48	160	50	24	-	M14	1	-
	HSK63A-EMH20-80	P2775508	20	52	80	52	25	-	M16	1	1.50
	HSK63A-EMH20-100	P2775545	20	52	80	52	25	-	M16	1	-
	HSK63A-EMH20-130	P2775546	20	52	80	52	25	-	M16	1	-
	HSK63A-EMH20-160	P2775547	20	52	80	52	25	-	M16	1	-
	HSK63A-EMH25-110	P2775509	25	65	110	60	24	25	M16	2	2.30
	HSK63A-EMH32-110	P2775510	32	72	110	64	24	28	M16	2	2.60

▶ Balancing grade G2.5 at 25,000 RPM or U max <1 gmm.
▶ For applic.able ER collet, please refer to page 83-92.
▶ For applic.able ER nut, please refer to page 93, Sealing disk & spanner page 94-95.

END MILL HOLDER (Coolant Channel)

EMH



DIN 69893-HSK | 2.5G | 25,000 RPM | AD+C

FIG.1

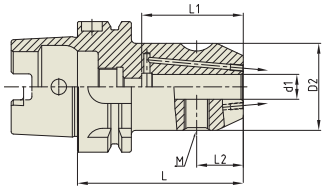
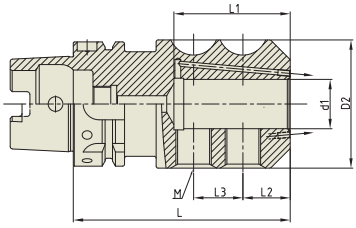


FIG.2



Unit : mm

TAPER No.	MODEL No.	EDP No.	d1	D2	L	L1	L2	L3	M	FIG.	WEIGHT (Kg)
63A	HSK63A-EMH6C-65	P2777201	6	25	65	35	18	-	M6	1	0.80
	HSK63A-EMH6C-100	P2777244	6	25	100	35	18	-	M6	1	-
	HSK63A-EMH6C-130	P2777245	6	25	130	35	18	-	M6	1	-
	HSK63A-EMH8C-65	P2777202	8	28	65	40	18	-	M8	1	0.80
	HSK63A-EMH8C-100	P2777246	8	28	100	40	18	-	M8	1	-
	HSK63A-EMH8C-130	P2777247	8	28	130	40	18	-	M8	1	-
	HSK63A-EMH10C-65	P2777203	10	35	65	40.5	20	-	M10	1	0.90
	HSK63A-EMH10C-100	P2777236	10	35	100	40.5	20	-	M10	1	-
	HSK63A-EMH10C-130	P2777237	10	35	130	40.5	20	-	M10	1	-
	HSK63A-EMH12C-80	P2777204	12	42	80	49	22.5	-	M12	1	1.10
	HSK63A-EMH12C-100	P2777238	12	42	100	49	22.5	-	M12	1	-
	HSK63A-EMH12C-130	P2777239	12	42	130	49	22.5	-	M12	1	-
	HSK63A-EMH16C-80	P2777205	16	48	80	52	24	-	M14	1	1.30
	HSK63A-EMH16C-100	P2777240	16	48	100	52	24	-	M14	1	-
	HSK63A-EMH16C-130	P2777241	16	48	130	52	24	-	M14	1	-
	HSK63A-EMH20C-80	P2777208	20	52	80	53	25	-	M16	1	1.50
	HSK63A-EMH20C-100	P2777242	20	52	100	53	25	-	M16	1	-
	HSK63A-EMH20C-130	P2777243	20	52	130	53	25	-	M16	1	-
	HSK63A-EMH25C-110	P2777209	25	65	110	59	24	25	M16	2	2.30
	HSK63A-EMH32C-110	P2777210	32	72	110	63	24	28	M16	2	2.60

- Balancing grade G2.5 at 25,000 RPM or U max <1 gmm.
- Standard End Mill Holder is for a cutting tool with Weldon shank and End Mill Holder for a cutting tool with Whistle notch shank is available upon request.
- Combi-style holder with ball jointed clamping screw which can be used with cutting tools with weldon and Whistle notch shank is available.

END MILL HOLDER

EMH



DIN 69893-HSK | 6.3G | 15,000 RPM | AD

FIG.1

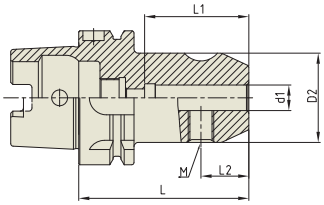
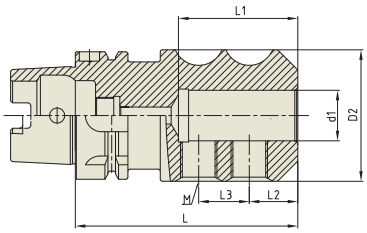


FIG.2



Unit : mm

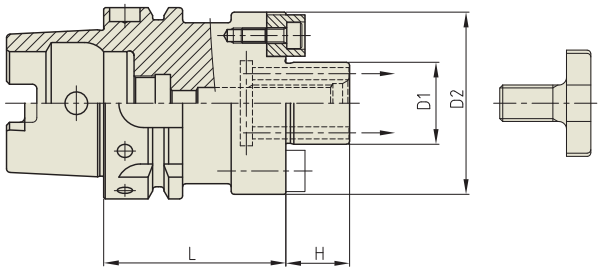
TAPER No.	MODEL No.	EDP No.	d1	D2	L	L1	L2	L3	M	FIG.	WEIGHT (Kg)
63A	HSK63A-EMH6-65	P2563001	6	25	65	35	18	-	M6	1	0.80
	HSK63A-EMH8-65	P2563002	8	28	65	38	18	-	M8	1	0.80
	HSK63A-EMH10-65	P2563003	10	35	65	42	20	-	M10	1	0.90
	HSK63A-EMH12-80	P2563004	12	42	80	47	22.5	-	M12	1	1.10
	HSK63A-EMH20-80	P2563008	20	52	80	52	25	-	M16	1	1.50
	HSK63A-EMH25-110	P2563009	25	65	110	60	24	25	M16	2	2.30
	HSK63A-EMH32-110	P2563010	32	72	110	64	24	28	M16	2	2.60
100A	HSK100A-EMH32-100	P2563050	32	72	110	64	24	28	M16	1	2.60
	HSK100A-EMH40-120	P2563051	40	80	120	74	30	32	M16	1	2.60

▶ Standard End Mill Holder is for a cutting tool with Weldon shank and End Mill Holder for a cutting tool with Whistle notch shank is available upon request.
▶ Combi-style holder with ball jointed clamping screw which can be used with cutting tools with weldon and Whistle notch shank is available.

SHELL MILL ARBOR (Coolant Channel & Large Face)

SMA





DIN 69893-HSK | 2.5G | 25,000 RPM | AD+C

Unit : mm

TAPER No.	MODEL No.	EDP No.	D1	D2	L	H	BOLT	WEIGHT (Kg)
63A	HSK63A-SMA16CE-50	P2803328CE	16	38	50	17	M8x16L	0.86
	HSK63A-SMA16CE-100	P2803326CE	16	38	100	17	M8x16L	-
	HSK63A-SMA16CE-160	P2803327CE	16	38	160	17	M8x16L	-
	HSK63A-SMA22CE-50	P2803331CE	22	48	50	19	M10x18L	1.02
	HSK63A-SMA22CE-100	P2803329CE	22	48	100	19	M10x18L	-
	HSK63A-SMA22CE-160	P2803330CE	22	48	160	19	M10x18L	-
	HSK63A-SMA27CE-60	P2803334CE	27	60	60	21	M12x22L	1.39
	HSK63A-SMA27CE-100	P2803332CE	27	60	100	21	M12x22L	-
	HSK63A-SMA27CE-160	P2803333CE	27	60	160	21	M12x22L	-
	HSK63A-SMA32CE-60	P2803337CE	32	78	60	24	M16x26L	1.70
	HSK63A-SMA32CE-100	P2803335CE	32	78	100	24	M16x26L	-
	HSK63A-SMA32CE-160	P2803336CE	32	78	160	24	M16x26L	-
	HSK63A-SMA40CE-60	P2803340CE	40	89	60	27	M20x30L	1.99
	HSK63A-SMA40CE-100	P2803338CE	40	89	100	27	M20x30L	-
	HSK63A-SMA40CE-160	P2803339CE	40	89	160	27	M20x30L	-

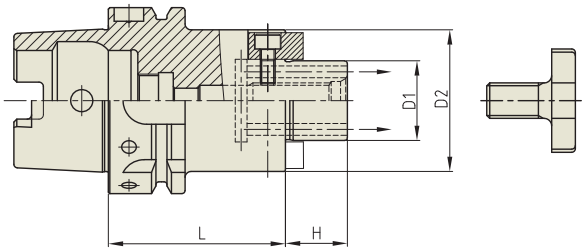
▶ Balancing grade G2.5 at 25,000 RPM or U max <1 gmm.
▶ With "Coolant Through" by coolant channels.

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SHELL MILL ARBOR (Coolant Channel & Small Face)

SMA





DIN 69893-HSK | 6.3G | 15,000 RPM | AD+C

Unit : mm

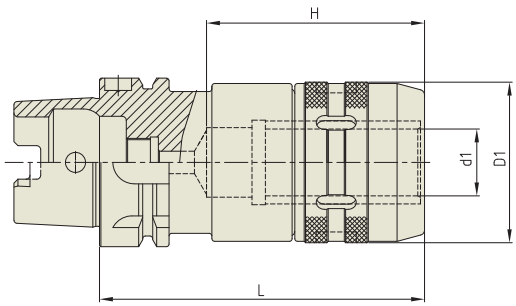
TAPER No.	MODEL No.	EDP No.	D1	D2	L	H	BOLT	WEIGHT (Kg)
63A	HSK63A-SMA16C-50	P2566001C	16	32	50	17	M8x16L	0.80
	HSK63A-SMA22C-50	P2566002C	22	40	50	19	M10x18L	0.92
	HSK63A-SMA27C-60	P2566003C	27	48	60	21	M12x22L	1.19
	HSK63A-SMA32C-60	P2566004C	32	58	60	24	M16x26L	1.50
	HSK63A-SMA40C-60	P2566005C	40	70	60	27	M20x30L	1.66

▶ With "Coolant Through" by coolant channels.

POWER MILLING CHUCK

C





DIN 69893-HSK | AD

Unit : mm

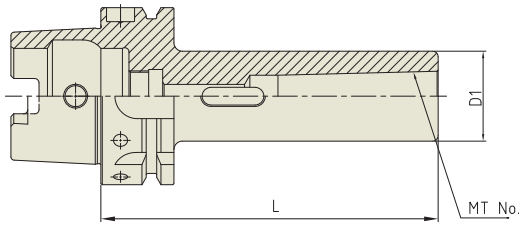
TAPER No.	MODEL No.	EDP No.	d1	D1	L	H	WEIGHT (Kg)
63A	HSK63A-C20-105	P2773152	20	54	105	70	1.50
	HSK63A-C32-130	P2600032	32	72	130	100	2.70

▶ For applic.able collet, spanner, please refer to page 95.
▶ Balancing grade is adjusted on Basic holder only without Clamping Cap. .

MORSE TAPER ARBOR

MTA





DIN 69893-HSK | 6.3G | 15,000 RPM

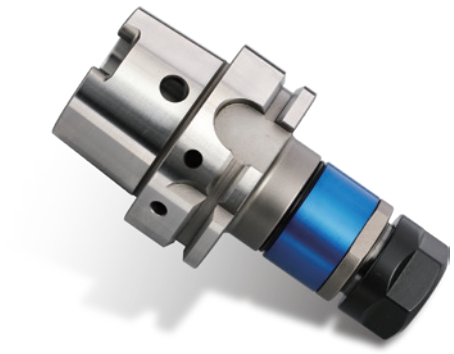
Unit : mm

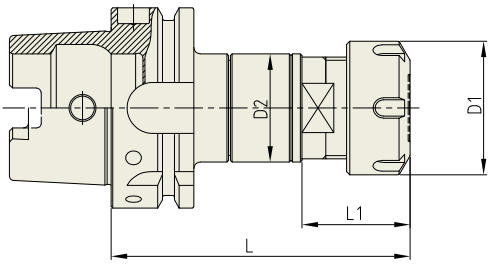
TAPER No.	MODEL No.	EDP No.	MT No.	D1	L	WEIGHT (Kg)
100A	HSK100A-MTA1-110	P2565011	1	25	110	2.12

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SYNCHRO TAPPING CHUCK (ER Type)

SYTER





DIN 69893-HSK

AD

Unit : mm

TAPER No.	MODEL No.	EDP No.	TAP SIZE	NUT	D1	D2	L	L1	Tension/ Compression	WEIGHT (Kg)
63A	**HSK63A-SYTER16-106**	**P2773808**	M3-M16	ER20	34	34	106	31	±0.2	0.95
	HSK63A-SYTER20-110	**P2773809**	M3-M20	ER25	42	34	110	37.5	±0.2	0.95
	HSK63A-SYTER27-105	**P2773803**	M4-M27	ER32	50	45	105	41	±0.2	1.34
	HSK63A-SYTER27-115	**P2773810**	M4-M27	ER32	50	45	115	41	±0.2	1.34
100A	**HSK100A-SYTER27-124**	**P2773815**	M4-M27	ER32	50	45	124	41	±0.2	-
	HSK100A-SYTER33-135	**P2773817**	M4-M33	ER40	63	62	135	60	±0.2	-

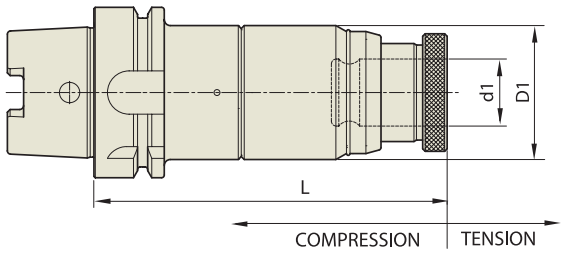
▶ Feature :
- Compensation for synchronization error to extend tap life and to improve thread quality.
- To compensate for pitch tolerance of taps.
- For Machine with asynchronized spindle.

▶ ER collet of page 83-90 and Tap ER collet of page 91-92.

TAPPING CHUCK (Quick Change Type)

TC





DIN 69893-HSK

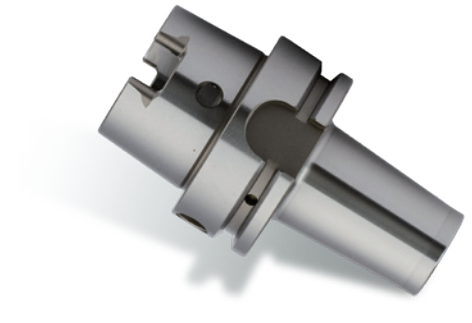
Unit : mm

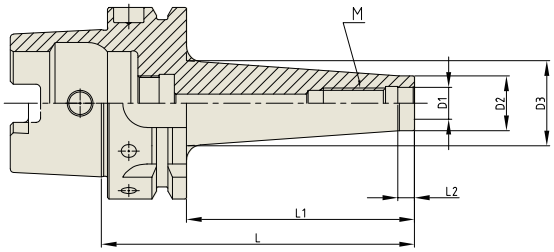
TAPER No.	MODEL No.	EDP No.	TAP SIZE	TAP ADAPTOR	LENGTH COMPENSATION		d1	D1	L	WEIGHT (Kg)
					Compression	Tension				
63A	HSK63A-TC12-120	P2774501	M3-M12	TCS12	5	15	19	45	120	1.00
	HSK63A-TC24-142	P2774502	M6-M24	TCS24	5	20	31	63	142	2.40
100A	HSK100A-TC24-142	P2774504	M6-M24	TCS24	5	20	31	63	187	7.80

▶ For Applicable Tap adaptor, please refer to page 96.

COPY MILL ARBOR

M





DIN 69893-HSK | 2.5G | 25,000 RPM | (I.D) ≤3μm | AD

Unit : mm

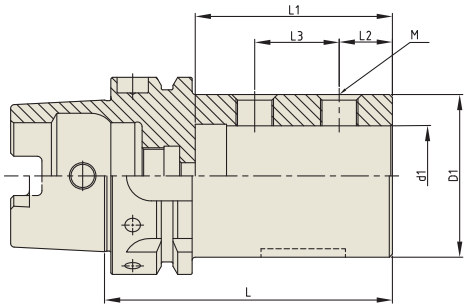
TAPER No.	MODEL No. (M-L1)	EDP No.	D1	D2	D3	L	L1	L2	WEIGHT (Kg)
63A	HSK63A-M12-75	P2801813	12.5	21	31	101	75	5	1.92
	HSK63A-M12-100	P2801814	12.5	21	33	126	100	5	2.48
	HSK63A-M16-25	P2801816	17	29	29	51	25	5	0.78
	HSK63A-M16-50	P2801817	17	29	34	76	50	5	1.85
	HSK63A-M16-75	P2801818	17	29	34	101	75	5	2.46
	HSK63A-M16-100	P2801819	17	29	36	126	100	5	3.23
	HSK63A-M16-150	P2801820	17	29	42.5	176	150	5	5.39

▶ Balancing grade G2.5 at 25,000 RPM or U max <1 gmm.
▶ For the screw in milling cutters with thread.

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INDEXABLE DRILL HOLDER

SL



DIN 69893-HSK | 6.3G | 15,000 RPM | AD

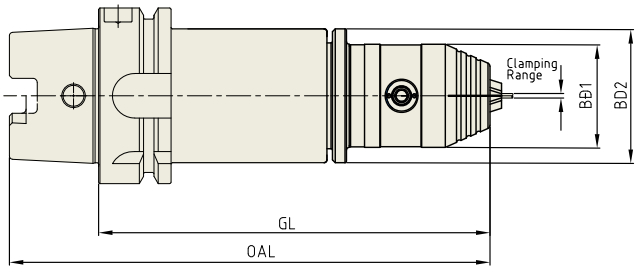
Unit : mm

TAPER No.	MODEL No.	EDP No.	d1	D1	L	L1	L2	L3	M	WEIGHT (Kg)
63A	HSK63A-SL20-80	P2802051	20	40	80	54	15	20	M10	1.04
	HSK63A-SL25-90	P2802052	25	45	90	59	17	23	M12	1.21
	HSK63A-SL32-90	P2802053	32	52	90	63	17	27	M12	1.30
100A	HSK100A-SL25-95	P2802056	25	45	95	59	17	23	M12	2.84
	HSK100A-SL32-100	P2802057	32	52	100	63	17	27	M12	3.03

▶ For the indexable drills with parallel shank.

NC DRILL CHUCK (HEX. KEY TYPE)

HKD



DIN 69893-HSK | AD

Unit : mm

TAPER No.	MODEL No.	EDP No.	CLAMPING RANGE	OAL	GL	BD1	BD2	WEIGHT (Kg)
63A	HSK63A-HKD8-155	P2804013	0.3 - 8.0	187	155	37	48	-

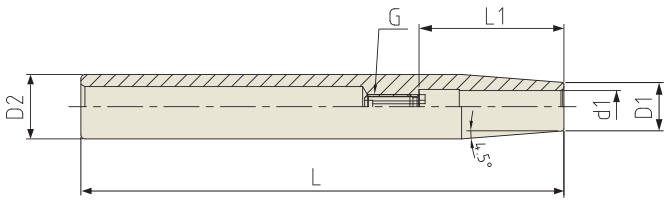
▶ Supplied with hex wrench. (Size HKD8 : 4mm, HKD13 : 6mm)

SHRINK FIT HOLDER - EXTENSION

SFH

STRAIGHT





Unit : mm

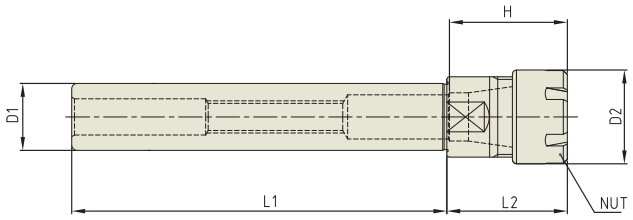
TAPER No.	MODEL No.	EDP No.	d1	D1	D2	L	L1	G	WEIGHT (Kg)
12	ST12-SFH6-160	P2767030	6	10	12	160	36	M5×0.8	0.13
16	ST16-SFH8-120	P2771711	8	12	16	120	36	M6×1.0	0.12
20	ST20-SFH3-160	P2767210	3	10	20	160	10	-	0.30
	ST20-SFH4-160	P2767215	4	10	20	160	12	-	0.30
	ST20-SFH5-160	P2771708	5	10	20	160	15	-	0.29
	ST20-SFH6-160	P2767220	6	10	20	160	36	M5×0.8	0.29
	ST20-SFH8-160	P2767225	8	12	20	160	36	M6×1.0	0.27
	ST20-SFH10-160	P2767230	10	14	20	160	43	M8×1.0	0.27
	ST20-SFH12-160	P2767235	12	16	20	160	48	M10×1.0	0.23

EXTENSION ER COLLET CHUCK (Slim)

ER

STRAIGHT-K





Unit : mm

TAPER No.	MODEL No.	EDP No.	CLAMPING RANGE	D1	D2	L1	L2	H	NUT/ COLLET	WEIGHT (Kg)
12	K12-ER8M-70	P2772205	0.5 - 5.0	12	12	70.0	25	38.00	ER8M/ER8	0.10
	K12-ER8M-150	P2780002	0.5 - 5.0	12	12	150.0	25	38.00	ER8M/ER8	0.17
16	K16-ER11M-100	P2780006	0.5 - 7.0	16	16	100.0	32	29.50	ER11M/ER11	0.18
	K16-ER11M-140	P2772206	0.5 - 7.0	16	16	140.0	32	29.50	ER11M/ER11	0.23
20	K20-ER20M-140	P2772208	0.5 - 13.0	20	28	140	41	41.5	ER20M/ER20	0.32
25	K25-ER16M-140	P2772209	0.5 - 10.0	25	22	140	41	-	ER16M / ER16	0.50
	K25-ER20M-140	P2772210	0.5 - 13.0	25	28	140	41	79.0	ER20M / ER20	0.52
	K25-ER25M-140	P2772211	1.0 - 16.0	25	35	140	45	82.0	ER25M/ER25	0.50

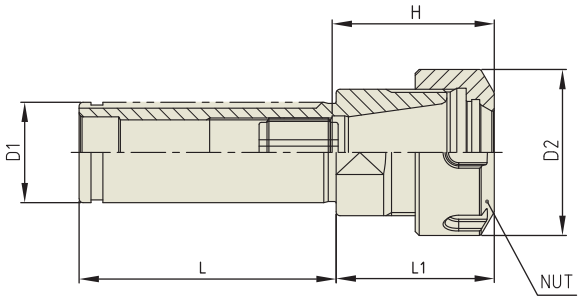
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ER COLLET CHUCK (NC-for CNC lathe)

ER

STRAIGHT





Unit : mm

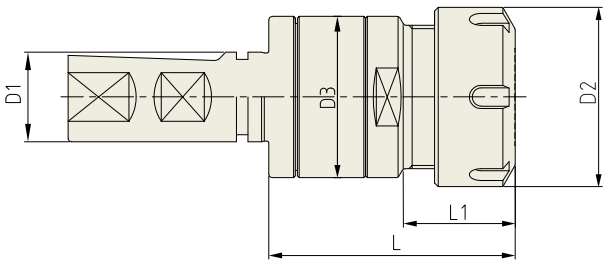
TAPER No.	MODEL No.	EDP No.	CLAMPING RANGE	D1	D2	L	L1	H	NUT/ COLLET	WEIGHT (Kg)
25	NC25-ER16	P2772311	0.5 - 10.0	25	28	65	36.0	35.60	ER16	0.45
	NC25-ER20	P2772301	0.5 - 13.0	25	34	65	40.0	44.50	ER20	0.50
	NC25-ER25	P2772302	1.0 - 16.0	25	42	65	40.0	41.00	ER25	0.55
32	NC32-ER20	P2772303	0.5 - 13.0	32	34	60	39.5	44.50	ER20	0.60
	NC32-ER25	P2772304	1.0 - 16.0	32	42	70	40.0	41.00	ER25	0.70
	NC32-ER32	P2772305	1.0 - 20.0	32	50	70	45.0	47.00	ER32	0.75
40	NC40-ER32	P2772306	1.0 - 20.0	40	50	75	45.0	60	ER32	1.25

SYNCHRO TAPPING CHUCK (ER Type)

SYTER

STRAIGHT-KW





Unit : mm

MODEL No.	EDP No.	TAP SIZE	NUT	D1	D2	D3	L	L1	Tension/ Compression	WEIGHT (Kg)
KW20-SYTER16	P2773901	M3-M16	ER20	20	34	34	58	26	±0.2	0.33
KW25-SYTER16	P2773902	M3-M16	ER20	25	34	34	61	27	±0.2	0.44
KW25-SYTER27	P2773903	M4-M27	ER32	25	50	45	69	31	±0.2	0.60

▶ Feature :
- Compensation for synchronization error to extend tap life and to improve thread quality.
- To compensate for pitch tolerance of taps.
- For Machine with asynchronized spindle.

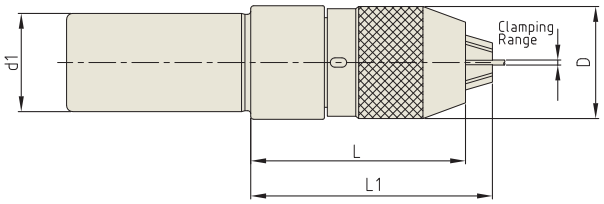
▶ ER collet of page 83-90 and Tap ER collet of page 91-92.

NC DRILL CHUCK (KEYLESS TYPE)

NPU

STRAIGHT-K





Unit : mm

TAPER No.	MODEL No.	EDP No.	CLAMPING RANGE	d1	D	L (Min.)	L1 (Max.)	WEIGHT (Kg)
32	**K32-NPU13-100**	**P2775252**	1.0 - 13	32	50.4	100	110.0	1.50

▶ Supplied with hook wrench. (Size NPU 8 : 8S, NPU 13 : 13S)

HYDRAULIC CHUCK SET

HCS



Unit : mm

MODEL No.	EDP No.	HYDRAULIC CHUCK	REDUCTION SLEEVE	WRENCH
HCSS40-20	**P2770971**	SK40AD/B-HC20P-64.5	HK20-6, 8, 10, 12, 16 (5pcs)	ϕ5mm
HCSB40-20	**P2770972**	BT40AD/B-HC20P-72.5	HK20-6, 8, 10, 12, 16 (5pcs)	ϕ5mm
HCSH40-20	**P2770973**	HSK63A-HC20P-80	HK20-6, 8, 10, 12, 16 (5pcs)	ϕ5mm

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POWER MILLING CHUCK SET

C



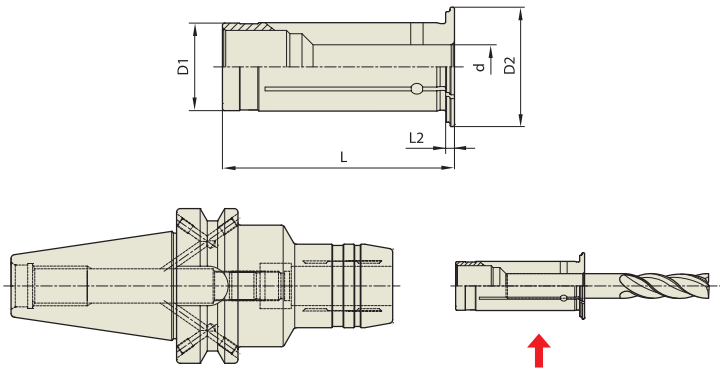
Unit : mm

MODEL No.	EDP No.	MILLING CHUCK	END MILL COLLET	WRENCH
SSK40-C32	**P2773301**	SK40-C32-105	K32-6, 8, 10, 12, 16, 20, 25 (7pcs)	C32SP
SSK50-C32	**P2773302**	SK50-C32-105	K32-6, 8, 10, 12, 16, 20, 25 (7pcs)	C32SP
SBT40-C32	**P2546022**	BT40-C32-105	K32-6, 8, 10, 12, 16, 20, 25 (7pcs)	C32SP

COLLET (Reduction Sleeve : Open Type)

HK





Hydraulic Chuck Collet

Unit : mm

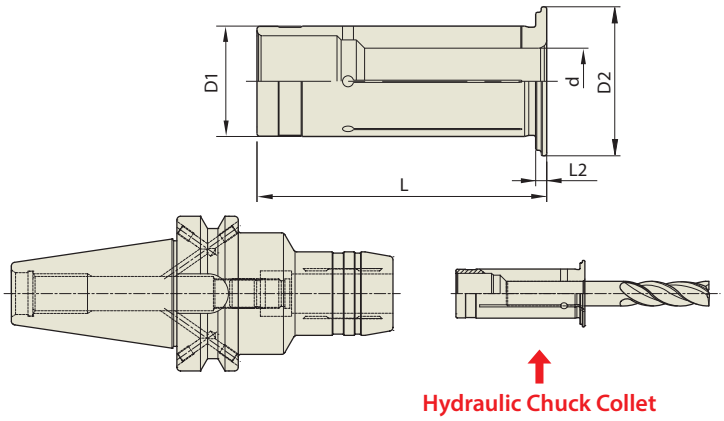
MODEL No.		EDP No.	d	D1	D2	L	L2
HK12	3	P2569022	3	12	19	47	2
	4	P2569023	4	12	19	47	2
	5	P2569024	5	12	19	47	2
	6	P2569025	6	12	19	47	2
	8	P2569026	8	12	19	47	2
HK20	3	P2569001	3	20	27	52.5	2
	4	P2569002	4	20	27	52.5	2
	5	P2569003	5	20	27	52.5	2
	6	P2569004	6	20	27	52.5	2
	8	P2569005	8	20	27	52.5	2
	10	P2569006	10	20	27	52.5	2
	12	P2569007	12	20	27	52.5	2
	13	P2771005	13	20	27	52.5	2
	14	P2569008	14	20	27	52.5	2
	16	P2569009	16	20	27	52.5	2
HK32	6	P2569010	6	32	39	63.5	3
	8	P2569011	8	32	39	63.5	3
	10	P2569012	10	32	39	63.5	3
	12	P2569013	12	32	39	63.5	3
	14	P2569014	14	32	39	63.5	3
	16	P2569015	16	32	39	63.5	3
	18	P2569016	18	32	39	63.5	3
	20	P2569017	20	32	39	63.5	3
	25	P2569018	25	32	39	63.5	3

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COLLET (Reduction Sleeve : Closed Type)

HS





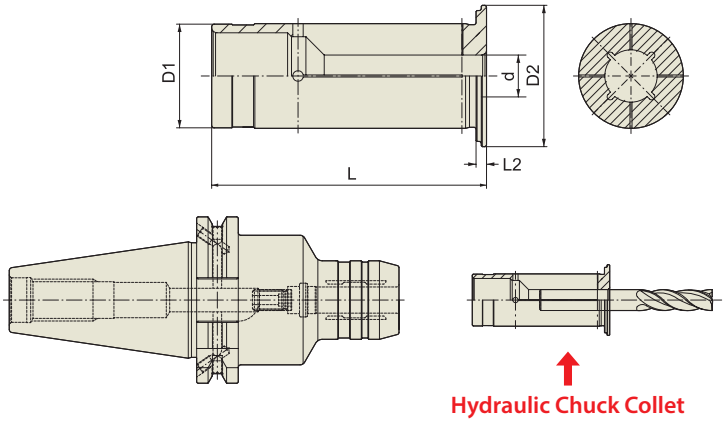
Unit : mm

MODEL No.		EDP No.	d	D1	D2	L	L2
HS12	3	P2771101	3	12	19	47	2
	4	P2771102	4	12	19	47	2
	5	P2771103	5	12	19	47	2
	6	P2771104	6	12	19	47	2
	8	P2771106	8	12	19	47	2
HS20	3	P2771107	3	20	27	52.5	2
	4	P2771108	4	20	27	52.5	2
	5	P2771109	5	20	27	52.5	2
	6	P2771110	6	20	27	52.5	2
	7	P2771111	7	20	27	52.5	2
	8	P2771112	8	20	27	52.5	2
	9	P2771113	9	20	27	52.5	2
	10	P2771114	10	20	27	52.5	2
	11	P2771115	11	20	27	52.5	2
	12	P2771116	12	20	27	52.5	2
	13	P2771117	13	20	27	52.5	2
	14	P2771118	14	20	27	52.5	2
	15	P2771119	15	20	27	52.5	2
	16	P2771120	16	20	27	52.5	2
	17	P2771130	17	20	27	52.5	2
HS32	6	P2771121	6	32	39	63.5	3
	8	P2771122	8	32	39	63.5	3
	10	P2771123	10	32	39	63.5	3
	12	P2771124	12	32	39	63.5	3
	14	P2771125	14	32	39	63.5	3
	16	P2771126	16	32	39	63.5	3
	18	P2771127	18	32	39	63.5	3
	20	P2771128	20	32	39	63.5	3
	25	P2771129	25	32	39	63.5	3

COLLET (Reduction Sleeve : Coolant Flush Type)

HF





Unit : mm

MODEL No.		EDP No.	d	D1	D2	L	L2
HF12	3	P2771201	3	12	19	47	2
	4	P2771202	4	12	19	47	2
	5	P2771203	5	12	19	47	2
	6	P2771204	6	12	19	47	2
	7	P2771205	7	12	19	47	2
	8	P2771206	8	12	19	47	2
HF20	3	P2771207	3	20	27	52.5	2
	4	P2771208	4	20	27	52.5	2
	5	P2771209	5	20	27	52.5	2
	6	P2771210	6	20	27	52.5	2
	7	P2771211	7	20	27	52.5	2
	8	P2771212	8	20	27	52.5	2
	9	P2771213	9	20	27	52.5	2
	10	P2771214	10	20	27	52.5	2
	11	P2771215	11	20	27	52.5	2
	12	P2771216	12	20	27	52.5	2
	13	P2771217	13	20	27	52.5	2
	14	P2771218	14	20	27	52.5	2
	15	P2771219	15	20	27	52.5	2
	16	P2771220	16	20	27	52.5	2
HF32	6	P2771221	6	32	39	63.5	3
	8	P2771222	8	32	39	63.5	3
	10	P2771223	10	32	39	63.5	3
	12	P2771224	12	32	39	63.5	3
	14	P2771225	14	32	39	63.5	3
	16	P2771226	16	32	39	63.5	3
	18	P2771227	18	32	39	63.5	3
	20	P2771228	20	32	39	63.5	3
	25	P2771229	25	32	39	63.5	3

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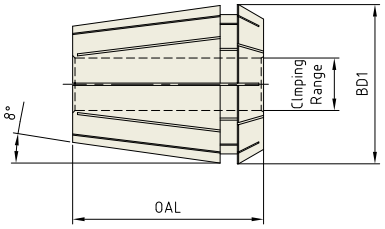
ER COLLET - UF

UF

◇ T.I.R : ≤0.015mm at 3D (I.D 1.0 - 10.0mm)
◇ T.I.R : ≤0.020mm at 3D (I.D >10mm)







Unit : mm

COLLET SIZE	MODEL No.	EDP No.	CLAMPING RANGE	BD1	OAL
ER 8	ER8-1.0	P2506292	1.0 - 0.5	8.5	13.5
	ER8-1.5	P2506293	1.5 - 1.0	8.5	13.5
	ER8-2.0	P2506294	2.0 - 1.5	8.5	13.5
	ER8-2.5	P2506295	2.5 - 2.0	8.5	13.5
	ER8-3.0	P2506296	3.0 - 2.5	8.5	13.5
	ER8-3.5	P2506297	3.5 - 3.0	8.5	13.5
	ER8-4.0	P2506298	4.0 - 3.5	8.5	13.5
	ER8-4.5	P2506299	4.5 - 4.0	8.5	13.5
	ER8-5.0	P2506300	5.0 - 4.5	8.5	13.5
	ER8 SET	P2506301	9 pcs (Ø1.0 - Ø5.0)		

COLLET SIZE	MODEL No.	EDP No.	CLAMPING RANGE	BD1	OAL
ER16	ER16-1.0	P2506201	1.0 - 0.5	17.0	27.0
	ER16-1.5	P2778506	1.5 - 1.0	17.0	27.0
	ER16-2.0	P2506202	2.0 - 1.5	17.0	27.0
	ER16-2.5	P2506807	2.5 - 2.0	17.0	27.0
	ER16-3.0	P2506203	3.0 - 2.0	17.0	27.0
	ER16-4.0	P2506204	4.0 - 3.0	17.0	27.0
	ER16-5.0	P2506205	5.0 - 4.0	17.0	27.0
	ER16-6.0	P2506206	6.0 - 5.0	17.0	27.0
	ER16-7.0	P2506207	7.0 - 6.0	17.0	27.0
	ER16-8.0	P2506208	8.0 - 7.0	17.0	27.0
	ER16-9.0	P2506209	9.0 - 8.0	17.0	27.0
	ER16-10.0	P2506210	10.0 - 9.0	17.0	27.0
	ER16 SET	P2506303	11 pcs (Ø1.0 - Ø10.0)		

COLLET SIZE	MODEL No.	EDP No.	CLAMPING RANGE	BD1	OAL
ER11	ER11-1.0	P2506311	1.0 - 0.5	11.5	18.0
	ER11-1.5	P2506312	1.5 - 1.0	11.5	18.0
	ER11-2.0	P2506313	2.0 - 1.5	11.5	18.0
	ER11-2.5	P2506314	2.5 - 2.0	11.5	18.0
	ER11-3.0	P2506315	3.0 - 2.5	11.5	18.0
	ER11-3.5	P2506316	3.5 - 3.0	11.5	18.0
	ER11-4.0	P2506317	4.0 - 3.5	11.5	18.0
	ER11-4.5	P2506318	4.5 - 4.0	11.5	18.0
	ER11-5.0	P2506319	5.0 - 4.5	11.5	18.0
	ER11-5.5	P2506320	5.5 - 5.0	11.5	18.0
	ER11-6.0	P2506321	6.0 - 5.5	11.5	18.0
	ER11-6.5	P2506322	6.5 - 6.0	11.5	18.0
	ER11-7.0	P2506323	7.0 - 6.5	11.5	18.0
	ER11 SET	P2506302	13 pcs (Ø1.0 - Ø7.0)		

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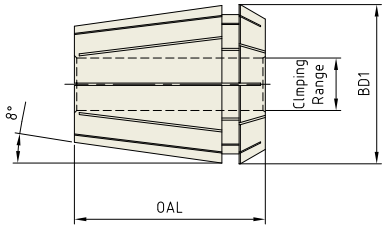
ER COLLET - UF

UF

◇ T.I.R : ≤0.015mm at 3D (I.D 1.0 - 10.0mm)
◇ T.I.R : ≤0.020mm at 3D (I.D >10mm)







Unit : mm

COLLET SIZE	MODEL No.	EDP No.	CLAMPING RANGE	BD1	OAL
ER20	ER20-1.0	P2506344	1.0 - 0.5	21.0	31.0
	ER20-1.5	P2506345	1.5 - 1.0	21.0	31.0
	ER20-2.0	P2506332	2.0 - 1.5	21.0	31.0
	ER20-2.5	P2506346	2.5 - 2.0	21.0	31.0
	ER20-3.0	P2506333	3.0 - 2.0	21.0	31.0
	ER20-4.0	P2506334	4.0 - 3.0	21.0	31.0
	ER20-5.0	P2506335	5.0 - 4.0	21.0	31.0
	ER20-6.0	P2506336	6.0 - 5.0	21.0	31.0
	ER20-7.0	P2506337	7.0 - 6.0	21.0	31.0
	ER20-8.0	P2506338	8.0 - 7.0	21.0	31.0
	ER20-9.0	P2506339	9.0 - 8.0	21.0	31.0
	ER20-10.0	P2506340	10.0 - 9.0	21.0	31.0
	ER20-11.0	P2506341	11.0 - 10.0	21.0	31.0
	ER20-12.0	P2506342	12.0 - 11.0	21.0	31.0
	ER20-13.0	P2506343	13.0 - 12.0	21.0	31.0
	ER20 SET	P2506304	15 pcs (Ø1.0 - Ø13.0)		

COLLET SIZE	MODEL No.	EDP No.	CLAMPING RANGE	BD1	OAL
ER25	ER25-1.0	P2506227	1.0 - 0.5	26.0	34.0
	ER25-1.5	P2506228	1.5 - 1.0	26.0	34.0
	ER25-2.0	P2506212	2.0 - 1.5	26.0	34.0
	ER25-2.5	P2506229	2.5 - 2.0	26.0	34.0
	ER25-3.0	P2506213	3.0 - 2.0	26.0	34.0
	ER25-4.0	P2506214	4.0 - 3.0	26.0	34.0
	ER25-5.0	P2506215	5.0 - 4.0	26.0	34.0
	ER25-6.0	P2506216	6.0 - 5.0	26.0	34.0
	ER25-7.0	P2506217	7.0 - 6.0	26.0	34.0
	ER25-8.0	P2506218	8.0 - 7.0	26.0	34.0
	ER25-9.0	P2506219	9.0 - 8.0	26.0	34.0
	ER25-10.0	P2506220	10.0 - 9.0	26.0	34.0
	ER25-11.0	P2506221	11.0 - 10.0	26.0	34.0
	ER25-12.0	P2506222	12.0 - 11.0	26.0	34.0
	ER25-13.0	P2506223	13.0 - 12.0	26.0	34.0
	ER25-14.0	P2506224	14.0 - 13.0	26.0	34.0
	ER25-15.0	P2506225	15.0 - 14.0	26.0	34.0
	ER25-16.0	P2506226	16.0 - 15.0	26.0	34.0
	ER25 SET	P2506305	18 pcs (Ø1.0 - Ø16.0)		

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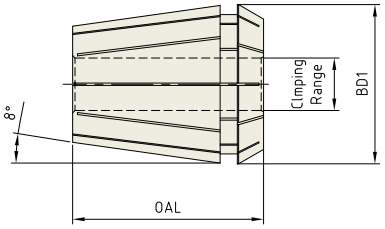
ER COLLET - UF

UF

◇ T.I.R : ≤0.015mm at 3D (I.D 1.0 - 10.0mm)
◇ T.I.R : ≤0.020mm at 3D (I.D >10mm)







Unit : mm

COLLET SIZE	MODEL No.	EDP No.	CLAMPING RANGE	BD1	OAL
ER32	ER32-2.0	P2506251	2.0 - 1.0	33.0	40.0
	ER32-2.5	P2506252	2.5 - 2.0	33.0	40.0
	ER32-3.0	P2506233	3.0 - 2.0	33.0	40.0
	ER32-4.0	P2506234	4.0 - 3.0	33.0	40.0
	ER32-5.0	P2506235	5.0 - 4.0	33.0	40.0
	ER32-6.0	P2506236	6.0 - 5.0	33.0	40.0
	ER32-7.0	P2506237	7.0 - 6.0	33.0	40.0
	ER32-8.0	P2506238	8.0 - 7.0	33.0	40.0
	ER32-9.0	P2506239	9.0 - 8.0	33.0	40.0
	ER32-10.0	P2506240	10.0 - 9.0	33.0	40.0
	ER32-11.0	P2506241	11.0 - 10.0	33.0	40.0
	ER32-12.0	P2506242	12.0 - 11.0	33.0	40.0
	ER32-13.0	P2506243	13.0 - 12.0	33.0	40.0
	ER32-14.0	P2506244	14.0 - 13.0	33.0	40.0
	ER32-15.0	P2506245	15.0 - 14.0	33.0	40.0
	ER32-16.0	P2506246	16.0 - 15.0	33.0	40.0
	ER32-17.0	P2506247	17.0 - 16.0	33.0	40.0
	ER32-18.0	P2506248	18.0 - 17.0	33.0	40.0
	ER32-19.0	P2506249	19.0 - 18.0	33.0	40.0
	ER32-20.0	P2506250	20.0 - 19.0	33.0	40.0
	ER32 SET	P2506306	20 pcs (Ø2.0 - Ø20.0)		

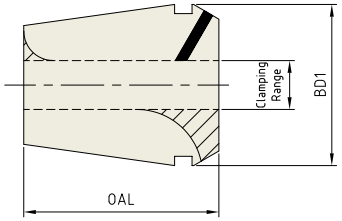
COLLET SIZE	MODEL No.	EDP No.	CLAMPING RANGE	BD1	OAL
ER40	ER40-3.0	P2506287	3.0-2.0	41.0	46.0
	ER40-4.0	P2506264	4.0-3.0	41.0	46.0
	ER40-5.0	P2506265	5.0-4.0	41.0	46.0
	ER40-6.0	P2506266	6.0-5.0	41.0	46.0
	ER40-7.0	P2506267	7.0-6.0	41.0	46.0
	ER40-8.0	P2506268	8.0-7.0	41.0	46.0
	ER40-9.0	P2506269	9.0-8.0	41.0	46.0
	ER40-10.0	P2506270	10.0-9.0	41.0	46.0
	ER40-11.0	P2506271	11.0-10.0	41.0	46.0
	ER40-12.0	P2506272	12.0-11.0	41.0	46.0
	ER40-13.0	P2506273	13.0-12.0	41.0	46.0
	ER40-14.0	P2506274	14.0-13.0	41.0	46.0
	ER40-15.0	P2506275	15.0-14.0	41.0	46.0
	ER40-16.0	P2506276	16.0-15.0	41.0	46.0
	ER40-17.0	P2506277	17.0-16.0	41.0	46.0
	ER40-18.0	P2506278	18.0-17.0	41.0	46.0
	ER40-19.0	P2506279	19.0-18.0	41.0	46.0
	ER40-20.0	P2506280	20.0-19.0	41.0	46.0
	ER40-21.0	P2506281	21.0-20.0	41.0	46.0
	ER40-22.0	P2506282	22.0-21.0	41.0	46.0
	ER40-23.0	P2506283	23.0-22.0	41.0	46.0
	ER40-24.0	P2506284	24.0-23.0	41.0	46.0
	ER40-25.0	P2506285	25.0-24.0	41.0	46.0
	ER40-26.0	P2506286	26.0-25.0	41.0	46.0
	ER40-27.0	P2506288	27.0-26.0	41.0	46.0
	ER40-28.0	P2506289	28.0-27.0	41.0	46.0
	ER40-29.0	P2506290	29.0-28.0	41.0	46.0
	ER40-30.0	P2506291	30.0-29.0	41.0	46.0
	ER40 SET	P2506307	23 pcs (Ø4.0 - Ø26.0)		

SEALED ER COLLET

ERS







◇ Rubber Sealed

Unit : mm

COLLET SIZE	MODEL No.	EDP No.	CLAMPING RANGE	BD1	OAL
ER16S	ER16-3.0S	P2506203S	3.0 - 2.0	17.0	27.0
	ER16-4.0S	P2506204S	4.0 - 3.0	17.0	27.0
	ER16-5.0S	P2506205S	5.0 - 4.0	17.0	27.0
	ER16-6.0S	P2506206S	6.0 - 5.0	17.0	27.0
	ER16-7.0S	P2506207S	7.0 - 6.0	17.0	27.0
	ER16-8.0S	P2506208S	8.0 - 7.0	17.0	27.0
	ER16-9.0S	P2506209S	9.0 - 8.0	17.0	27.0
	ER16-10.0S	P2506210S	10.0 - 9.0	17.0	27.0
	ER16S SET	P2506303S	8 pcs (Ø3.0 - Ø10.0)		

COLLET SIZE	MODEL No.	EDP No.	CLAMPING RANGE	BD1	OAL
ER20S	ER20-3.0S	P2506333S	3.0 - 2.0	21.0	31.0
	ER20-4.0S	P2506334S	4.0 - 3.0	21.0	31.0
	ER20-5.0S	P2506335S	5.0 - 4.0	21.0	31.0
	ER20-6.0S	P2506336S	6.0 - 5.0	21.0	31.0
	ER20-7.0S	P2506337S	7.0 - 6.0	21.0	31.0
	ER20-8.0S	P2506338S	8.0 - 7.0	21.0	31.0
	ER20-9.0S	P2506339S	9.0 - 8.0	21.0	31.0
	ER20-10.0S	P2506340S	10.0 - 9.0	21.0	31.0
	ER20-11.0S	P2506341S	11.0 - 10.0	21.0	31.0
	ER20-12.0S	P2506342S	12.0 - 11.0	21.0	31.0
	ER20-13.0S	P2506343S	13.0 - 12.0	21.0	31.0
	ER20S SET	P2506304S	11 pcs (Ø3.0 - Ø13.0)		

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COLLET SIZE	MODEL No.	EDP No.	CLAMPING RANGE	BD1	OAL
ER25S	ER25-3.0S	P2506213S	3.0 - 2.0	26.0	34.0
	ER25-4.0S	P2506214S	4.0 - 3.0	26.0	34.0
	ER25-5.0S	P2506215S	5.0 - 4.0	26.0	34.0
	ER25-6.0S	P2506216S	6.0 - 5.0	26.0	34.0
	ER25-7.0S	P2506217S	7.0 - 6.0	26.0	34.0
	ER25-8.0S	P2506218S	8.0 - 7.0	26.0	34.0
	ER25-9.0S	P2506219S	9.0 - 8.0	26.0	34.0
	ER25-10.0S	P2506220S	10.0 - 9.0	26.0	34.0
	ER25-11.0S	P2506221S	11.0 - 10.0	26.0	34.0
	ER25-12.0S	P2506222S	12.0 - 11.0	26.0	34.0
	ER25-13.0S	P2506223S	13.0 - 12.0	26.0	34.0
	ER25-14.0S	P2506224S	14.0 - 13.0	26.0	34.0
	ER25-15.0S	P2506225S	15.0 - 14.0	26.0	34.0
	ER25-16.0S	P2506226S	16.0 - 15.0	26.0	34.0
	ER25S SET	P2506305S	14 pcs (Ø3.0 - Ø16.0)		

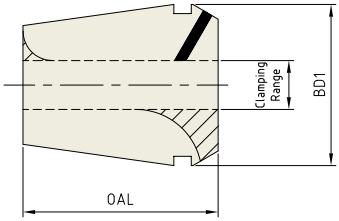
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SEALED ER COLLET

ERS







◇ Rubber Sealed

Unit : mm

COLLET SIZE	MODEL No.	EDP No.	CLAMPING RANGE	BD1	OAL
ER32S	ER32-3.0S	P2506233S	3.0 - 2.0	33.0	40.0
	ER32-4.0S	P2506234S	4.0 - 3.0	33.0	40.0
	ER32-5.0S	P2506235S	5.0 - 4.0	33.0	40.0
	ER32-6.0S	P2506236S	6.0 - 5.0	33.0	40.0
	ER32-7.0S	P2506237S	7.0 - 6.0	33.0	40.0
	ER32-8.0S	P2506238S	8.0 - 7.0	33.0	40.0
	ER32-9.0S	P2506239S	9.0 - 8.0	33.0	40.0
	ER32-10.0S	P2506240S	10.0 - 9.0	33.0	40.0
	ER32-11.0S	P2506241S	11.0 - 10.0	33.0	40.0
	ER32-12.0S	P2506242S	12.0 - 11.0	33.0	40.0
	ER32-13.0S	P2506243S	13.0 - 12.0	33.0	40.0
	ER32-14.0S	P2506244S	14.0 - 13.0	33.0	40.0
	ER32-15.0S	P2506245S	15.0 - 14.0	33.0	40.0
	ER32-16.0S	P2506246S	16.0 - 15.0	33.0	40.0
	ER32-17.0S	P2506247S	17.0 - 16.0	33.0	40.0
	ER32-18.0S	P2506248S	18.0 - 17.0	33.0	40.0
	ER32-19.0S	P2506249S	19.0 - 18.0	33.0	40.0
	ER32-20.0S	P2506250S	20.0 - 19.0	33.0	40.0
	ER32S SET	P2506306S	18 pcs (Ø3.0 - Ø20.0)		

COLLET SIZE	MODEL No.	EDP No.	CLAMPING RANGE	BD1	OAL
ER40S	ER40-3.0S	P2506287S	3.0-2.0	41.0	46.0
	ER40-4.0S	P2506264S	4.0-3.0	41.0	46.0
	ER40-5.0S	P2506265S	5.0-4.0	41.0	46.0
	ER40-6.0S	P2506266S	6.0-5.0	41.0	46.0
	ER40-7.0S	P2506267S	7.0-6.0	41.0	46.0
	ER40-8.0S	P2506268S	8.0-7.0	41.0	46.0
	ER40-9.0S	P2506269S	9.0-8.0	41.0	46.0
	ER40-10.0S	P2506270S	10.0-9.0	41.0	46.0
	ER40-11.0S	P2506271S	11.0-10.0	41.0	46.0
	ER40-12.0S	P2506272S	12.0-11.0	41.0	46.0
	ER40-13.0S	P2506273S	13.0-12.0	41.0	46.0
	ER40-14.0S	P2506274S	14.0-13.0	41.0	46.0
	ER40-15.0S	P2506275S	15.0-14.0	41.0	46.0
	ER40-16.0S	P2506276S	16.0-15.0	41.0	46.0
	ER40-17.0S	P2506277S	17.0-16.0	41.0	46.0
	ER40-18.0S	P2506278S	18.0-17.0	41.0	46.0
	ER40-19.0S	P2506279S	19.0-18.0	41.0	46.0
	ER40-20.0S	P2506280S	20.0-19.0	41.0	46.0
	ER40-21.0S	P2506281S	21.0-20.0	41.0	46.0
	ER40-22.0S	P2506282S	22.0-21.0	41.0	46.0
	ER40-23.0S	P2506283S	23.0-22.0	41.0	46.0
	ER40-24.0S	P2506284S	24.0-23.0	41.0	46.0
	ER40-25.0S	P2506285S	25.0-24.0	41.0	46.0
	ER40-26.0S	P2506286S	26.0-25.0	41.0	46.0
	ER40S SET	P2506307S	23 pcs (Ø4.0 - Ø26.0)		

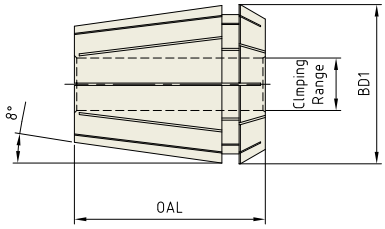
ER COLLET (High Precision)

ER HP

◇ T.I.R : ≤0.010mm at 3D (I.D 1.0 - 10.0mm)
◇ T.I.R : ≤0.015mm at 3D (I.D >10mm)







Unit : mm

COLLET SIZE	MODEL No.	EDP No.	CLAMPING RANGE	BD1	OAL
ER 8HP	ER8-1.0HP	P2506292H	1.0 - 0.5	8.5	13.5
	ER8-1.5HP	P2506293H	1.5 - 1.0	8.5	13.5
	ER8-2.0HP	P2506294H	2.0 - 1.5	8.5	13.5
	ER8-2.5HP	P2506295H	2.5 - 2.0	8.5	13.5
	ER8-3.0HP	P2506296H	3.0 - 2.5	8.5	13.5
	ER8-3.5HP	P2506297H	3.5 - 3.0	8.5	13.5
	ER8-4.0HP	P2506298H	4.0 - 3.5	8.5	13.5
	ER8-4.5HP	P2506299H	4.5 - 4.0	8.5	13.5
	ER8-5.0HP	P2506300H	5.0 - 4.5	8.5	13.5
	ER8HP SET	P2506301H	9 pcs (Ø1.0 - Ø5.0)		

COLLET SIZE	MODEL No.	EDP No.	CLAMPING RANGE	BD1	OAL
ER16HP	ER16-1.5HP	P2506201H	1.5 - 1.0	17.0	27.0
	ER16-2.0HP	P2506202H	2.0 - 1.5	17.0	27.0
	ER16-3.0HP	P2506203H	3.0 - 2.0	17.0	27.0
	ER16-4.0HP	P2506204H	4.0 - 3.0	17.0	27.0
	ER16-5.0HP	P2506205H	5.0 - 4.0	17.0	27.0
	ER16-6.0HP	P2506206H	6.0 - 5.0	17.0	27.0
	ER16-7.0HP	P2506207H	7.0 - 6.0	17.0	27.0
	ER16-8.0HP	P2506208H	8.0 - 7.0	17.0	27.0
	ER16-9.0HP	P2506209H	9.0 - 8.0	17.0	27.0
	ER16-10.0HP	P2506210H	10.0 - 9.0	17.0	27.0
	ER16HP SET	P2506303H	10 pcs (Ø1.0 - Ø10.0)		

COLLET SIZE	MODEL No.	EDP No.	CLAMPING RANGE	BD1	OAL
ER25HP	ER25-2.0HP	P2506212H	2.0 - 1.5	26.0	34.0
	ER25-3.0HP	P2506213H	3.0 - 2.0	26.0	34.0
	ER25-4.0HP	P2506214H	4.0 - 3.0	26.0	34.0
	ER25-5.0HP	P2506215H	5.0 - 4.0	26.0	34.0
	ER25-6.0HP	P2506216H	6.0 - 5.0	26.0	34.0
	ER25-7.0HP	P2506217H	7.0 - 6.0	26.0	34.0
	ER25-8.0HP	P2506218H	8.0 - 7.0	26.0	34.0
	ER25-9.0HP	P2506219H	9.0 - 8.0	26.0	34.0
	ER25-10.0HP	P2506220H	10.0 - 9.0	26.0	34.0
	ER25-11.0HP	P2506221H	11.0 - 10.0	26.0	34.0
	ER25-12.0HP	P2506222H	12.0 - 11.0	26.0	34.0
	ER25-13.0HP	P2506223H	13.0 - 12.0	26.0	34.0
	ER25-14.0HP	P2506224H	14.0 - 13.0	26.0	34.0
	ER25-15.0HP	P2506225H	15.0 - 14.0	26.0	34.0
	ER25-16.0HP	P2506226H	16.0 - 15.0	26.0	34.0
	ER25HP SET	P2506305H	18 pcs (Ø1.0 - Ø13.0)		

COLLET SIZE	MODEL No.	EDP No.	CLAMPING RANGE	BD1	OAL
ER32HP	ER32-3.0HP	P2506233H	3.0 - 2.0	33.0	40.0
	ER32-4.0HP	P2506234H	4.0 - 3.0	33.0	40.0
	ER32-5.0HP	P2506235H	5.0 - 4.0	33.0	40.0
	ER32-6.0HP	P2506236H	6.0 - 5.0	33.0	40.0
	ER32-7.0HP	P2506237H	7.0 - 6.0	33.0	40.0
	ER32-8.0HP	P2506238H	8.0 - 7.0	33.0	40.0
	ER32-9.0HP	P2506239H	9.0 - 8.0	33.0	40.0
	ER32-10.0HP	P2506240H	10.0 - 9.0	33.0	40.0
	ER32-11.0HP	P2506241H	11.0 - 10.0	33.0	40.0
	ER32-12.0HP	P2506242H	12.0 - 11.0	33.0	40.0
	ER32-13.0HP	P2506243H	13.0 - 12.0	33.0	40.0
	ER32-14.0HP	P2506244H	14.0 - 13.0	33.0	40.0
	ER32-15.0HP	P2506245H	15.0 - 14.0	33.0	40.0
	ER32-16.0HP	P2506246H	16.0 - 15.0	33.0	40.0
	ER32-17.0HP	P2506247H	17.0 - 16.0	33.0	40.0
	ER32-18.0HP	P2506248H	18.0 - 17.0	33.0	40.0
	ER32-19.0HP	P2506249H	19.0 - 18.0	33.0	40.0
	ER32-20.0HP	P2506250H	20.0 - 19.0	33.0	40.0
	ER32HP SET	P2506306H	20 pcs (Ø2.0 - Ø20.0)		

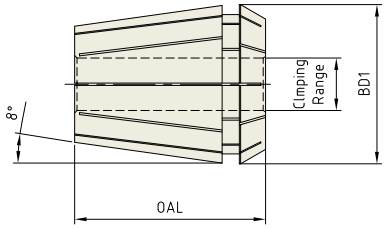
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ER COLLET - GER (Ultra Precision)

GER



◇ T.I.R : ≤0.005mm at 3D



Unit : mm

COLLET SIZE	MODEL No.	EDP No.	CLAMPING RANGE	BD1	OAL
GER11	GER11-3.0	P2772405	3.0 - 2.5	11.5	18.0
	GER11-3.5	P2772406	3.5 - 3.0	11.5	18.0
	GER11-4.0	P2772407	4.0 - 3.5	11.5	18.0
	GER11-4.5	P2772408	4.5 - 4.0	11.5	18.0
	GER11-5.0	P2772409	5.0 - 4.5	11.5	18.0
	GER11-5.5	P2772410	5.5 - 5.0	11.5	18.0
	GER11-6.0	P2772411	6.0 - 5.5	11.5	18.0
	GER11-6.5	P2772412	6.5 - 6.0	11.5	18.0
	GER11-7.0	P2772413	7.0 - 6.5	11.5	18.0

COLLET SIZE	MODEL No.	EDP No.	CLAMPING RANGE	BD1	OAL
GER16	GER16-3.0	P2772416	3.0 - 2.0	17.0	27.0
	GER16-4.0	P2772417	4.0 - 3.0	17.0	27.0
	GER16-5.0	P2772418	5.0 - 4.0	17.0	27.0
	GER16-6.0	P2772419	6.0 - 5.0	17.0	27.0
	GER16-7.0	P2772420	7.0 - 6.0	17.0	27.0
	GER16-8.0	P2772421	8.0 - 7.0	17.0	27.0
	GER16-9.0	P2772422	9.0 - 8.0	17.0	27.0
	GER16-10.0	P2772423	10.0 - 9.0	17.0	27.0

COLLET SIZE	MODEL No.	EDP No.	CLAMPING RANGE	BD1	OAL
GER20	GER20-3.0	P2772427	3.0 - 2.0	21.0	31.0
	GER20-4.0	P2772428	4.0 - 3.0	21.0	31.0
	GER20-5.0	P2772429	5.0 - 4.0	21.0	31.0
	GER20-6.0	P2772430	6.0 - 5.0	21.0	31.0
	GER20-7.0	P2772431	7.0 - 6.0	21.0	31.0
	GER20-8.0	P2772432	8.0 - 7.0	21.0	31.0
	GER20-9.0	P2772433	9.0 - 8.0	21.0	31.0
	GER20-10.0	P2772434	10.0 - 9.0	21.0	31.0
	GER20-11.0	P2772435	11.0 - 10.0	21.0	31.0
	GER20-12.0	P2772436	12.0 - 11.0	21.0	31.0
	GER20-13.0	P2772437	13.0 - 12.0	21.0	31.0

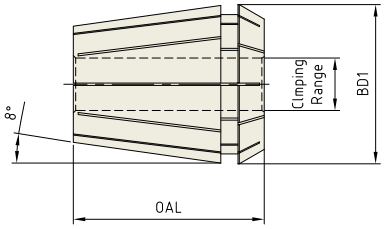
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ER COLLET - GER (Ultra Precision)

GER



◇ T.I.R : ≤0.005mm at 3D



Unit : mm

COLLET SIZE	MODEL No.	EDP No.	CLAMPING RANGE	BD1	OAL
GER25	GER25-1.0	P2772456	1.0 - 0.5	26.0	34.0
	GER25-2.0	P2772441	2.0 - 1.5	26.0	34.0
	GER25-2.5	P2772458	2.5 - 2.0	26.0	34.0
	GER25-3.0	P2772442	3.0 - 2.0	26.0	34.0
	GER25-4.0	P2772443	4.0 - 3.0	26.0	34.0
	GER25-5.0	P2772444	5.0 - 4.0	26.0	34.0
	GER25-6.0	P2772445	6.0 - 5.0	26.0	34.0
	GER25-7.0	P2772446	7.0 - 6.0	26.0	34.0
	GER25-8.0	P2772447	8.0 - 7.0	26.0	34.0
	GER25-9.0	P2772448	9.0 - 8.0	26.0	34.0
	GER25-10.0	P2772449	10.0 - 9.0	26.0	34.0
	GER25-11.0	P2772450	11.0 - 10.0	26.0	34.0
	GER25-12.0	P2772451	12.0 - 11.0	26.0	34.0
	GER25-13.0	P2772452	13.0 - 12.0	26.0	34.0
	GER25-14.0	P2772453	14.0 - 13.0	26.0	34.0
	GER25-15.0	P2772454	15.0 - 14.0	26.0	34.0
	GER25-16.0	P2772455	16.0 - 15.0	26.0	34.0

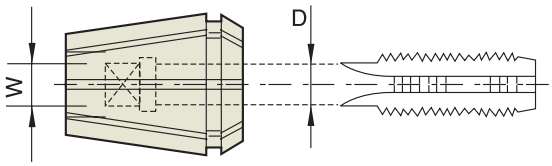
COLLET SIZE	MODEL No.	EDP No.	CLAMPING RANGE	BD1	OAL
GER32	GER32-3.0	P2772459	3.0 - 2.0	33.0	40.0
	GER32-4.0	P2772460	4.0 - 3.0	33.0	40.0
	GER32-5.0	P2772461	5.0 - 4.0	33.0	40.0
	GER32-6.0	P2772462	6.0 - 5.0	33.0	40.0
	GER32-7.0	P2772463	7.0 - 6.0	33.0	40.0
	GER32-8.0	P2772464	8.0 - 7.0	33.0	40.0
	GER32-9.0	P2772465	9.0 - 8.0	33.0	40.0
	GER32-10.0	P2772466	10.0 - 9.0	33.0	40.0
	GER32-11.0	P2772467	11.0 - 10.0	33.0	40.0
	GER32-12.0	P2772468	12.0 - 11.0	33.0	40.0
	GER32-13.0	P2772469	13.0 - 12.0	33.0	40.0
	GER32-14.0	P2772470	14.0 - 13.0	33.0	40.0
	GER32-15.0	P2772471	15.0 - 14.0	33.0	40.0
	GER32-16.0	P2772472	16.0 - 15.0	33.0	40.0
	GER32-17.0	P2772473	17.0 - 16.0	33.0	40.0
	GER32-18.0	P2772474	18.0 - 17.0	33.0	40.0
	GER32-19.0	P2772475	19.0 - 18.0	33.0	40.0
	GER32-20.0	P2772476	20.0 - 19.0	33.0	40.0

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TAP ER COLLET (DIN)

RDTC





Unit : mm

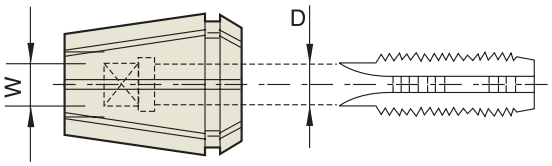
TAPER No.	MODEL No.	EDP No.	DIN374/376	DIN352/2181	DIN371	D(Ø)	W(□)
RD16	RD16TC-6.0X4.9	P2772512D	M8	M4.5-M8	M4.5-M8	6.0	4.9
	RD16TC-7.0X5.5	P2772513D	M9+M10	M9+M10	M7	7.0	5.5
RD20	RD20TC-3.5X2.7	P2772514D	M5	M3	M3	3.5	2.7
	RD20TC-4.0X3.0	P2772515D	M5.5	M3.5	M3.5	4.0	3.0
	RD20TC-4.5X3.4	P2772516D	M6	M4	M4	4.5	3.4
	RD20TC-6.0X4.9	P2772519D	M8	M4.5-M8	M4.5-M8	6.0	4.9
	RD20TC-7.0X5.5	P2772520D	M9+M10	M9+M10	M7	7.0	5.5
	RD20TC-8.0X6.2	P2772521D	M11	M11	M8	8.0	6.2
	RD20TC-9.0X7.0	P2772522D	M12	M12	M9	9.0	7.2
	RD20TC-10.0X8.0	P2772523D	-	-	M10	10.0	8.0
RD25	RD25TC-3.5X2.7	P2772524D	M5	M3	M3	3.5	2.7
	RD25TC-4.0X3.0	P2772525D	M5.5	M3.5	M3.5	4.0	3.0
	RD25TC-4.5X3.4	P2772526D	M6	M4	M4	4.5	3.4
	RD25TC-5.0X4.0	P2772527D	M5	-	-	5.0	4.0
	RD25TC-5.5X4.3	P2772528D	M7	-	-	5.5	4.3
	RD25TC-6.0X4.9	P2772529D	M8	M4.5-M8	M4.5-M8	6.0	4.9
	RD25TC-7.0X5.5	P2772530D	M9+M10	M9+M10	M7	7.0	5.5
	RD25TC-8.0X6.2	P2772531D	M11	M11	M8	8.0	6.2
	RD25TC-9.0X7.0	P2772532D	M12	M12	M9	9.0	7.0
	RD25TC-10.0X8.0	P2772533D	-	-	M10	10.0	8.0
	RD25TC-11.0X9.0	P2772534D	M13+M14	M13+M14	-	11.0	9.0
	RD25TC-12.0X9.0	P2772535D	M15+M17	M15+M17	-	12.0	9.0
	RD25TC-14.0X11.0	P2772536D	M18+M19	M18+M19	-	14.0	11.0
	RD25TC-16.0X12.0	P2772537D	M20+M21	M20+M21	-	16.0	12.0

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TAP ER COLLET (DIN)

RDTC





Unit : mm

TAPER No.	MODEL No.	EDP No.	DIN374/376	DIN352/2181	DIN371	D(Ø)	W(□)
RD32	RD32TC-3.5X2.7	P2772538D	M5	M3	M3	3.5	2.7
	RD32TC-4.0X3.0	P2772539D	M5.5	M3.5	M3.5	4.0	3.0
	RD32TC-4.5X3.4	P2772540D	M6	M4	M4	4.5	3.4
	RD32TC-5.0X4.0	P2772541D	M5	-	-	5.0	4.0
	RD32TC-5.5X4.3	P2772542D	M7	-	-	5.5	4.3
	RD32TC-6.0X4.9	P2772543D	M8	M4.5-M8	M4.5-M8	6.0	4.9
	RD32TC-7.0X5.5	P2772544D	M9+M10	M9+M10	M7	7.0	5.5
	RD32TC-8.0X6.2	P2772545D	M11	M11	M8	8.0	6.2
	RD32TC-9.0X7.0	P2772546D	M12	M12	M9	9.0	7.0
	RD32TC-10.0X8.0	P2772547D	-	-	M10	10.0	8.0
	RD32TC-11.0X9.0	P2772548D	M13+M14	M13+M14	-	11.0	9.0
	RD32TC-12.0X9.0	P2772549D	M15+M17	M15+M17	-	12.0	9.0
	RD32TC-14.0X11.0	P2772550D	M18+M19	M18+M19	-	14.0	11.0
	RD32TC-16.0X12.0	P2772551D	M20+M21	M20+M21	-	16.0	12.0
RD40	RD40TC-11.0X9.0	P2772562D	M13+M14	M13+M14	-	11.0	9.0
	RD40TC-12.0X9.0	P2772563D	M15+M17	M15+M17	-	12.0	9.0
	RD40TC-16.0X12.0	P2772565D	M20+M21	M20+M21	-	16.0	12.0
	RD40TC-18.0X14.5	P2772566D	M22-M26	M22-M26	-	18.0	14.5
	RD40TC-20.0X16.0	P2772567D	M27+M28	M27+M28	-	20.0	16.0

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ER NUT

PART



ER Nut SQ-ER
(Standard : Hex.)



ER Nut XSQ-RT
(Sealing Disk Type : Hex.)



ER Nut SQ-ER
(Standard : Round)



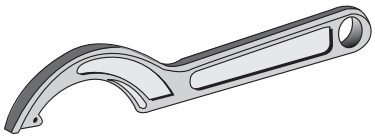
ER Nut XSQ-RUT
(Sealing Disk Type : Round)

Unit : mm

DESCRIPTIONS	MODEL No.	EDP No.	Thread	Dia.	Length
ER Nut SQ-ER (Standard : Hex.)	SQ-ER16	P2700001	M22x1.50	28.0	18.0
	SQ-ER20	P2700002	M25x1.50	34.0	19.5
ER Nut SQ-ER (Standard : Round)	SQ-ER25	P2700003	M32x1.50	42.0	20.5
	SQ-ER32	P2700004	M40x1.50	50.0	23.0
	SQ-ER40	P2700005	M50x1.50	63.0	26.0
ER Nut XSQ-RT (Sealing Disk Type : Hex.)	XSQ-RT16	P2777009	M22x1.50	28.0	22.5
	XSQ-RT20	P2777010	M25x1.50	34.0	24.0
ER Nut XSQ-RUT (Sealing Disk Type : Round)	XSQ-RUT16	P2777011	M22x1.50	32.0	22.5
	XSQ-RUT20	P2777012	M25x1.50	35.0	24.0
	XSQ-RUT25	P2777013	M32x1.50	42.0	25.0
	XSQ-RUT32	P2777014	M40x1.50	50.0	27.5
	XSQ-RUT40	P2777015	M50x1.50	63.0	30.5

SPANNER FOR MILLING CHUCK

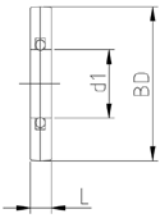
PART

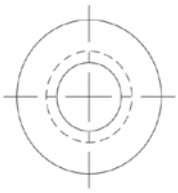


MODEL No.	EDP No.
C20 SP	P2773401
C25 SP	P2773402
C32 SP	P2600033

SEALING DISK







Unit : mm

MODEL No.	EDP No.	BD1	d1	L (Thickness)
DS/ER16-6.0	P2780506	13.0	6.0 - 5.5	4.0
DS/ER16-8.0	P2780509	13.0	8.0 - 7.5	4.0
DS/ER16-9.0	P2780510	13.0	9.0 - 8.5	4.0
DS/ER16-10.0	P2780511	13.0	10.0 - 9.5	4.0

MODEL No.	EDP No.	BD1	d1	L (Thickness)
DS/ER20-6.0	P2780517	16.0	5.0 - 4.5	4.0
DS20/ER-8.0	P2780521	16.0	8.0 - 7.5	4.0
DS/ER20-9.0	P2780523	16.0	9.0 - 8.5	4.0
DS/ER20-10.0	P2780524	16.0	10.0 - 9.5	4.0
DS/20ER-11.0	P2780525	16.0	11.0 - 10.5	4.0
DS/20ER-12.0	P2780526	16.0	12.0 - 11.5	4.0

MODEL No.	EDP No.	BD1	d1	L (Thickness)
DS/ER25-6.0	P2780534	21.0	5.0 - 4.5	4.0
DS/ER25-8.0	P2780538	21.0	8.0 - 7.5	4.0
DS/ER25-9.0	P2780540	21.0	9.0 - 8.5	4.0
DS/ER25-10.0	P2780542	21.0	10.0 - 9.5	4.0
DS/ER25-11.0	P2780544	21.0	11.0 - 10.5	4.0
DS/ER25-12.0	P2780546	21.0	12.0 - 11.5	4.0
DS/ER25-14.0	P2780550	21.0	14.0 - 13.5	4.0
DS/ER25-16.0	P2780554	21.0	16.0 - 15.5	4.0

MODEL No.	EDP No.	BD1	d1	L (Thickness)
DS/ER32-6.0	P2780558	27.0	5.0 - 4.5	4.0
DS/ER32-8.0	P2780560	27.0	8.0 - 7.5	4.0
DS/ER32-9.0	P2780561	27.0	9.0 - 8.5	4.0
DS/ER32-10.0	P2780562	27.0	10.0 - 9.5	4.0
DS/ER32-11.0	P2780564	27.0	11.0 - 10.5	4.0
DS/ER32-12.0	P2780566	27.0	12.0 - 11.5	4.0
DS/ER32-14.0	P2780570	27.0	14.0 - 13.5	4.0
DS/ER32-16.0	P2780573	27.0	16.0 - 15.5	4.0
DS/ER32-18.0	P2780575	27.0	18.0 - 17.5	4.0

MODEL No.	EDP No.	BD1	d1	L (Thickness)
DS/ER40-6.0	P2780581	33.5	5.0 - 4.5	4.0
DS/ER40-8.0	P2780583	33.5	8.0 - 7.5	4.0
DS/ER40-9.0	P2780584	33.5	9.0 - 8.5	4.0
DS/ER40-12.0	P2780587	33.5	12.0 - 11.5	4.0
DS/ER40-14.0	P2780589	33.5	14.0 - 13.5	4.0
DS/ER40-16.0	P2780591	33.5	16.0 - 15.5	4.0
DS/ER40-18.0	P2780593	33.5	18.0 - 17.5	4.0
DS/ER40-20.0	P2780595	33.5	20.0 - 19.5	4.0

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ER SPANNER / WRENCH

SP



FIG.1



FIG.2



■ For ER NUT

Unit : mm

MODEL No.	EDP No.	A	B	Applicable Nut
ER16SP	P2772602	50	160	ER11 (FIG.1)
ER20SP	P2772603	55	180	ER20 (FIG.1)
ER25SP	P2772604	65	210	ER25 (FIG.2)
ER32SP	P2772605	75	250	ER32 (FIG.2)
ER40SP	P2772606	90	290	ER40 (FIG.2)

■ For ER Mini NUT

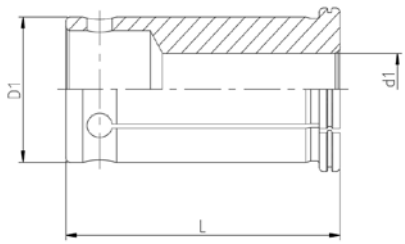
Unit : mm

MODEL No.	EDP No.	A	B	Applicable Nut
GE8M	P2772608	12.4	70	ER8M
GE11M	P2772609	16.8	90	ER11M
GE16M	P2772610	22.5	110	ER16M
GE20M	P2772611	29.0	120	ER20M
GE25M	P2772607	36.0	130	ER25M

POWER MILLING CHUCK (END MILL COLLET K-TYPE)

PART





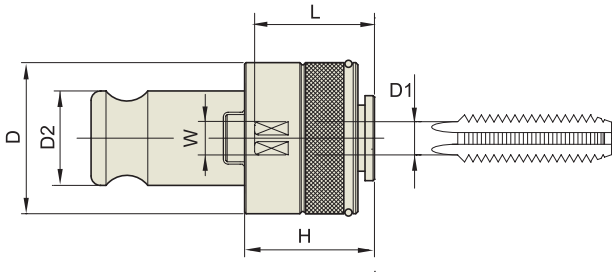
Unit : mm

MODEL No.	EDP No.	d1	D1	L
K20-D06	P2506401	6	20	55
K20-D08	P2506402	8	20	55
K20-D10	P2506403	10	20	55
K20-D12	P2506404	12	20	55
K20-D16	P2506405	16	20	55
K25-D06	P2506601	6	25	60
K25-D08	P2506602	8	25	60
K25-D10	P2506603	10	25	60
K25-D12	P2506604	12	25	60
K25-D16	P2506605	16	25	60
K25-D20	P2506606	20	25	60

MODEL No.	EDP No.	d1	D1	L
K32-D08	P2506412	8	32	65
K32-D10	P2506413	10	32	65
K32-D12	P2506414	12	32	65
K32-D16	P2506415	16	32	65
K32-D20	P2506416	20	32	65
K32-D25	P2506417	25	32	65

TAP ADAPTOR (DIN) - QUICK CHANGE TYPE (With safety clutch)





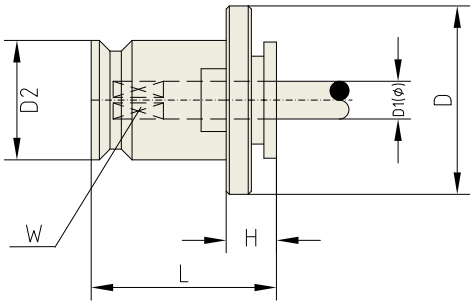
Unit : mm

TAPER No.	MODEL No.	EDP No.	D	D1(Ø)	D2	H	W(□)	L
TCS12D	TCS12 D-2821	P2774601	32	2.8	19	25	2.1	24
	TCS12 D-3527	P2774602	32	3.5	19	25	2.7	24
	TCS12 D-4534	P2774603	32	4.5	19	25	3.4	24
	TCS12 D-649	P2774606	32	6.0	19	25	4.9	25
	TCS12 D-862	P2774608	32	8.0	19	25	6.2	25
	TCS12 D-97	P2774609	32	9.0	19	25	7.0	26
	TCS12 D-108	P2774610	32	10.0	19	25	8.0	26
TCS24D	TCS24 D-649	P2774612	52	6.0	31	33	4.9	38
	TCS24 D-755	P2774613	52	7.0	31	33	5.5	38
	TCS24 D-862	P2774614	52	8.0	31	33	6.2	38
	TCS24 D-97	P2774615	52	9.0	31	33	7.0	38
	TCS24 D-108	P2774616	52	10.0	31	33	8.0	39
	TCS24 D-119	P2774617	52	11.0	31	33	9.0	41
	TCS24 D-129	P2774618	52	12.0	31	33	9.0	43
	TCS24 D-1411	P2774619	52	14.0	31	33	11.0	43
	TCS24 D-1612	P2774620	52	16.0	31	33	12.0	46
	TCS24 D-18145	P2774621	52	18.0	31	33	14.5	46
TCS38D	TCS38 D-1612	P2774625	72	16	48	45	12.0	45
	TCS38 D-18145	P2774626	72	18	48	45	14.5	62
	TCS38 D-2016	P2774627	72	20	48	45	16.0	64
	TCS38 D-2218	P2774628	72	22	48	45	18.0	66
	TCS38 D-2822	P2774630	72	28	48	45	22.0	68

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TAP ADAPTOR (DIN) - QUICK CHANGE TYPE (Without safety clutch)





Unit : mm

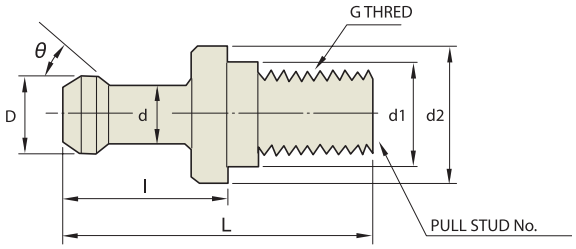
TAPER No.	MODEL No.	EDP No.	D	D1(Ø)	D2	H	W(□)	L
QCT12D	QCT12 D-3527	P2774602N	30	3.5	19	7	2.7	28.5
	QCT12 D-4534	P2774603N	30	4.5	19	7	3.4	28.5
	QCT12 D-43	P2774604N	30	4.0	19	7	3.0	28.5
	QCT12 D-5543	P2774605N	30	5.5	19	7	4.3	28.5
	QCT12 D-649	P2774606N	30	6.0	19	7	4.9	28.5
	QCT12 D-755	P2774607N	30	7.0	19	7	5.5	28.5
	QCT12 D-862	P2774608N	30	8.0	19	7	6.2	28.5
	QCT12 D-97	P2774609N	30	9.0	19	7	7.0	28.5
	QCT12 D-108	P2774610N	30	10.0	19	7	8.0	28.5
	QCT12 D-119	P2774611N	30	11.0	19	7	9.0	28.5
QCT24D	QCT24 D-649	P2774612N	48	6.0	31	11	4.9	46.0
	QCT24 D-755	P2774613N	48	7.0	31	11	5.5	46.0
	QCT24 D-862	P2774614N	48	8.0	31	11	6.2	46.0
	QCT24 D-97	P2774615N	48	9.0	31	11	7.0	46.0
	QCT24 D-108	P2774616N	48	10.0	31	11	8.0	46.0
	QCT24 D-119	P2774617N	48	11.0	31	11	9.0	46.0
	QCT24 D-129	P2774618N	48	12.0	31	11	9.0	46.0
	QCT24 D-1411	P2774619N	48	14.0	31	11	11.0	46.0
	QCT24 D-1612	P2774620N	48	16.0	31	11	12.0	46.0
	QCT24 D-18145	P2774621N	48	18.0	31	11	14.5	46.0
QCT38D	QCT38 D-119	P2774622N	70	11.0	48	14	9.0	69.5
	QCT38 D-129	P2774623N	70	12.0	48	14	9.0	69.5
	QCT38 D-1411	P2774624N	70	14.0	48	14	11.0	69.5
	QCT38 D-1612	P2774625N	70	16.0	48	14	12.0	69.5
	QCT38 D-18145	P2774626N	70	18.0	48	14	14.5	69.5
	QCT38 D-2016	P2774627N	70	20.0	48	14	16.0	69.5
	QCT38 D-2218	P2774628N	70	22.0	48	14	18.0	69.5
	QCT38 D-2520	P2774629N	70	25.0	48	14	20.0	69.5
	QCT38 D-2822	P2774630N	70	28.0	48	14	22.0	69.5

▶ For Pipe Type Tap, please discuss separately

PULL STUD BOLT

PSB





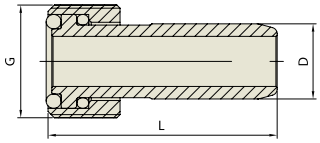
Unit : mm

MODEL No.	EDP No.	D	d2	d1	d	L	l	G	θ	Applications
PS-1	P2775051	15	23	17	10	60	35	M16	45°	BT40-Ⅰ Standard Type
PS-1H	P2506701	15	23	17	10	60	35	M16	45°	BT40-Ⅰ Standard Type (Through Hole)
PS-806	P2775102	19	23	17	14	54	29	M16	75°	BT40 (Through Hole)
PS-2	P2775052	15	23	17	10	60	35	M16	60°	BT40-Ⅱ Standard Type
PS-2H	P2506702	15	23	17	10	60	35	M16	60°	BT40-Ⅱ Standard Type (Through Hole)
PS-5	P2775053	23	38	25	17	85	45	M24	45°	BT50-Ⅰ Standard Type
PS-5H	P2506704	23	38	25	17	85	45	M24	45°	BT50-Ⅰ Standard Type (Through Hole)
PS-6	P2775054	23	38	25	17	85	45	M24	60°	BT50-Ⅱ Standard Type
PS-0	P2506706	23	38	25	17	85	45	M24	90°	For BT50 OKK
PS-G51	P2775060	18.8	22	17	12.45	44.1	19.1	M16	45°	For BT40 MAZAK
PSS-1	P2506707	19	23	17	14	54	26	M16	75°	For SK40
PSS-1H	P2775096	19	23	17	14	54	26	M16	75°	For SK40 (Through Hole)
PSS-5	P2506708	28	36	25	21	74	34	M24	75°	For SK50
PSS-5H	P2775086	28	36	25	21	74	34	M24	75°	For SK50 (Through Hole)

COOLANT TUBE (For HSK TAPER)

CT





Unit : mm

TAPER No.	EDP No.	D	L	G
HSK63A	P2775081	12	36.5	M18
HSK100A	P2775082	16	44	M24

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