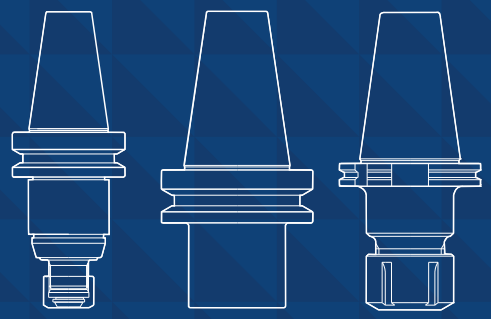
YE24
EUROPE
2024 / 2025

ISO 9001 / ISO 14001

CUTTING TOOLS



TOOLING SYSTEM

YG-1 CO., LTD.

HYDRAULIC CHUCK

Description	TOOL LENGTH PRE-SETTING TYPE	POWER E HYDRO	STANDARD
Page	SK : D12 CBT : D64 BT : D94 HSK : D154	SK : D13 CBT : D65 BT : D95 HSK : D155	SK : D14 / CBT : D66 - 67 BT : D96 - 97 HSK : D156 - 159 DIN 228-MTB : D238

ULTRA SHORT	SLIM	GRINDER	LONG & SLIM
SK : D15 BT : D98	SK : D16 CBT : D68 BT : D99 HSK : D160	SK : D17	HSK : D161

Guide Line to Icons

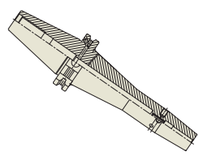
Standard of Tools	Taper Accuracy	G Value	RPM	Run-Out	Coolant System

Collet	Bolt	Spanner	Tap Adaptor	ER Nut	ER Spanner	Parts

※ Product design and technical data in the contents are subject to change for improving quality or performance of products without prior notice.

SHRINK FIT HOLDER

Description	EXTRA SLIM	STANDARD	COOLANT CHANNEL
Page	SK : D18 BT : D100 - 101 HSK : D162 - 163	SK : D19 - 21 / CBT : D69 - 71 BT : D102 - 104 HSK : D164 - 167, D172 ISO : D228	SK : D22 - 24 CBT : D72 - 74 BT : D105 - 107 HSK : D168 - 170

REINFORCED	CURVED	MQL1	EXTENSION
SK : D25 BT : D108 HSK : D171	SK : D26 BT : D109 HSK : D173 - 174	HSK : D175 - 176	STRAIGHT-ST : D214 - 215
			

ER COLLET CHUCK

Description	STANDARD	SLIM
Page	SK : D27 - 32 / CBT : D75 - 76 BT : D110 - 114 / HSK : D177 - 181 STRAIGHT : D216 / DIN 228-MTA : D234 DIN 228-MTB : D239 / GOST : D241	SK : D33 - 34 / CBT : D77 BT : D115 - 116 / HSK : D182 - 185 STRAIGHT : D217 - 218 ISO : D229

TENSION ER CHUCK (For Tapping)	For CNC Lathe
STRAIGHT : D219	NC : D220

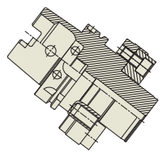
END MILL HOLDER & SIDE LOCK ARBOR

Description	SHORT	COOLANT CHANNEL
Page	SK : D35 BT : D117	SK : D37, D40 BT : D119, D122 HSK : D187, D189

STANDARD	SIDE LOCK ARBOR
SK : D36, D38, D39 CBT : D78 / BT : D118, D120, D121 HSK : D186, D188 GOST : D242	CBT : D79 BT : D123 - 124

SHELL MILL ARBOR

Description	STANDARD	COOLANT CHANNEL & & SMALL FACE	COOLANT CHANNEL & LARGE FACE
Page	SK : D41 CBT : D80 / BT : D125 HSK : D190 GOST : D243	SK : D42 CBT : D81 BT : D126 HSK : D191	SK : D43 CBT : D82 BT : D127 HSK : D192

FLANGE MOUNTING	COMBI-SHELL MILL ARBOR
SK : D44 BT : D128 HSK : D193	SK : D45 / CBT : D83 BT : D129 / HSK : D194 ISO : D231
	

POWER MILLING CHUCK

Description	HIGH-SPEED	STANDARD
Page	SK : D46 CBT : D84 BT : D130 HSK : D195	SK : D47 / CBT : D85 BT : D131 / HSK : D196 DIN 228-MTA : D235 DIN 228-MTB : D240

MORSE TAPER ARBOR

Description	MORSE TAPER ARBOR
Page	SK : D48 BT : D132 - 133 HSK : D197 / NT : D232 GOST : D244

SK SLIM CHUCK

Description	SK SLIM CHUCK
Page	SK : D49 - 52 / CBT : D86 - 87 BT : D134 - 137 / HSK : D198 - 200 STRAIGHT-K : D221 ISO : D230

SYNCHRO TAPPING CHUCK

Description	ER COLLET TYPE	QUICK CHANGE (ADAPTOR) TYPE
Page	SK : D53 BT : D138 HSK : D201 STRAIGHT-KW : D222	SK : D54 HSK : D202 STRAIGHT-KW : D223

ONE STEP TAPPING CHUCK

Description	ONE STEP TAPPING CHUCK
Page	SK : D55 BT : D139 HSK : D203 STRAIGHT-KW : D224

TAPPING CHUCK

Description	ER COLLET TYPE	TAP ADAPTOR TYPE
Page	SK : D56 CBT : D88 BT : D140 HSK : D204	SK : D57 / BT : D141 HSK : D205 STRAIGHT-K : D225 DIN 228-MTA : D236

FACE MILL ARBOR

Description	FMA	FMB	FMC
Page	CBT : D89 / BT : D142 HSK : D206 NT : D233 DIN 228-MTA : D237	CBT : D90 BT : D143	CBT : D91 BT : D144 HSK : D207

COPY MILL ARBOR & INDEXABLE DRILL HOLDER

Description	COPY MILL ARBOR	INDEXABLE DRILL HOLDER
Page	SK : D58 BT : D145 HSK : D208	SK : D59 BT : D146 HSK : D209

NC DRILL CHUCK

Description	KEYLESS TYPE	HEX. KEY TYPE
Page	SK : D60 / CBT : D92 BT : D147 HSK : D210 STRAIGHT-K : D226	SK : D61 BT : D148 HSK : D211

OTHER TOOLS

Description	SIDE CUTTER ARBOR	JACOBS TAPER ARBOR
Page	BT : D149	BT : D150

BLANK BAR	TEST BAR
SK : D62 BT : D151 HSK : D212	SK : D62 BT : D152 HSK : D212

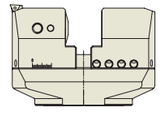
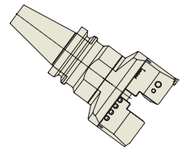
TOOL HOLDER SET

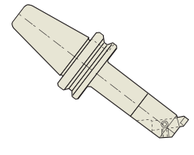
Description	HYDRAULIC CHUCK	POWER MILLING CHUCK	POWER MILLING CHUCK - Quick Change
Page	D246	D247	D248

BORING SYSTEM

Description	BASIC HOLDER	FINE BORING HEAD & INSERT HOLDER	ROUGH BORING HEAD & CARTRIDGE
Page	SK : D252 BT : D253 - 254 HSK : D255	D256	D257

EXTENSION BAR	REDUCTION BAR	TYPICAL CONFIGURATION OF FINE BORING BAR	TYPICAL CONFIGURATION OF ROUGH BORING BAR
D258	D259	SK : D260 - 261 BT : D262 - 263 HSK : D264 - 265	SK : D266 BT : D267 - 268 HSK : D269 - 270 STRAIGHT-ST : D271

BASIC HOLDER (Big Bore)	FINE BORING HEAD (Big Bore)	PLATE & CARTRIDGE (Big Bore)	FINE BORING BAR (Big Bore)
SK : D273 BT : D273	D274	D275	BT : D276
			

ROUGH BORING BAR (Big Bore)	MICRO BORING BAR	SQUARE BORING BAR
SK : D277 BT : D278	BT : D279 - 280 STRAIGHT-ST : D281 BIG SIZE : D282 PARTS : D283 - 285	45° : D286 90° : D287 SQUARE BITE : D288
		

ACCESSORY & PARTS

Description	HYD. CHUCK - Test Piece	HYD. CHUCK - Reduction Sleeve	SHRINK FIT - Heating Machine
Page	D290	HK : D291 HS : D292 HF : D293 HR : D294	D295

ER COLLET CHUCK - Collet & Nut	END MILL HOLDER - Side Lock Bolt	SHELL MILL ARBOR - Bolt & Key	FACE MILL ARBOR - Bolt & Key
COLLET : D296 - 304 NUT : D305 - 308 SPANNER : D309	D310	SMA : D311 CMA : D312	D313

POWER MILLING CHUCK - Collet & Spanner	SK SLIM CHUCK - Collet & Nut	TAPPING CHUCK - Tap Adaptor	PULL STUD BOLT
D314	COLLET : D315 - 316 NUT & SPANNER : D317	D318 - 319	D320 - 321

TOOL CLAMP	HEIGHT PRESETTER	COOLANT TUBE & SPANNER (HSK)	ADJUST BOLT (HSK MQL1)
D322	D322	D323	D324

YG-1 TOOLING SYSTEM

SK
(DIN 69871)

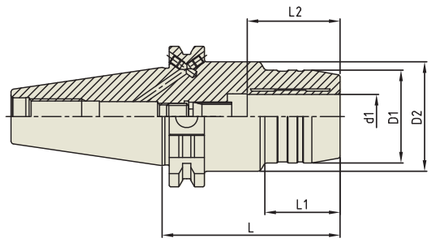
- HYDRAULIC CHUCK
- SHRINK FIT HOLDER
- ER COLLET CHUCK
- END MILL HOLDER
- SHELL MILL ARBOR
- COMBI-SHELL MILL ARBOR
- POWER MILLING CHUCK
- MORSE TAPER ARBOR
- SK SLIM CHUCK
- SYNCHRO TAPPING CHUCK
- ONE STEP TAPPING CHUCK
- TAPPING ER CHUCK
- TAPPING CHUCK
- COPY MILL ARBOR
- INDEXABLE DRILL HOLDER
- NC DRILL CHUCK
- BLANK BAR
- TEST BAR

HYDRAULIC CHUCK

HCR

HYDRAULIC CHUCK (RADIAL TOOL LENGTH PRE-SETTING TYPE)

HYDRAULIK SPANNFUTTER (RADIALE WERKZEUGLÄGEN VOREINSTELLUNG)
MANDRIN HYDRAULIQUE (BANC DE PRÉ-RÉGLAGE RADIAL)
MANDRINI IDRAULICI (UTENSILI RADIALI PER AZZERAMENTO)
PORTAHERRAMIENTAS HIDRAULICO (AJUSTE DE LONGITUD TIPO PRE-SETTING)



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

Unit : mm

TAPER No.	MODEL No.	EDP No.	d1	D1	D2	L	L1	L2	WEIGHT(Kg)
30	SK30-HCR12-85	P2770001	12	32	44.5	85	40	37	0.90
	SK30-HCR20-85	P2770003	20	44	-	85	-	42	1.00
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
	SK40AD/B-HCR32-110	P2770004	32	63	80	110	50	55	2.20
50	SK50AD/B-HCR12-80.5	P2770005	12	32	49.5	80.5	35	37	3.90
	SK50AD/B-HCR20-80.5	P2770006	20	42	44.5	80.5	44	42	4.00
	SK50AD/B-HCR32-100	P2770002	32	60	-	100	-	55	4.70

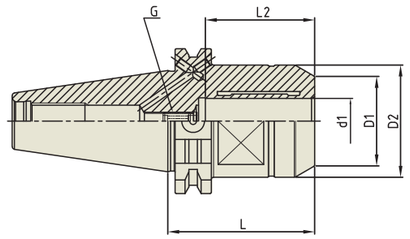
- ▶ CAT(ASME B5.50) taper and Inch type products are available.
- ▶ Balancing grade G2.5 at 25,000RPM or U max. < 1gmm.
- ▶ Supplied with clamping T-wrench.
- ▶ For applicable Hydraulic Chuck collet, please refer to page D291~D294.

HYDRAULIC CHUCK

HCP

HYDRAULIC CHUCK (Power E Hydro)

HYDRAULIK SPANNFUTTER (POWER E HYDRO)
MANDRIN HYDRAULIQUE (POWER E HYDRO)
MANDRINI IDRAULICI (POWER E HYDRO)
PORTAHERRAMIENTAS HIDRAULICO (POWER E HYDRO)



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

- ▶ CAT(ASME B5.50) taper and Inch type products are available.
- ▶ Balancing grade G2.5 at 25,000RPM or U max. < 1gmm.
- ▶ Supplied with clamping T-wrench.
- ▶ For applicable Hydraulic Chuck collet, please refer to page D291~D294.

TOOLING SYSTEM

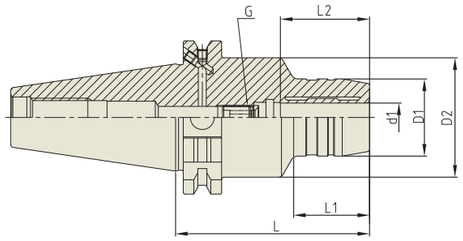
SK (DIN 69871)
CBT (BT DUAL CONTACT)
BT (JIS B6339/ MAS 403)
HSK (DIN 69893/ ISO 12164)
STRAIGHT
ISO, NT, MTA/MTB, GOST
TOOL HOLDER SET
BORING SYSTEM
ACCESSORY & PARTS

HYDRAULIC CHUCK

HC

HYDRAULIC CHUCK (STANDARD)

HYDRAULIK SPANNFUTTER (STANDARD)
MANDRIN HYDRAULIQUE (STANDARD)
MANDRINI IDRAULICI (STÀNDARD)
PORTAHERRAMIENTAS HIDRAULICO (ESTÁNDAR)



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

Unit : mm

TAPER No.	MODEL No.	EDP No.	d1	D1	D2	L	L1	L2	G	WEIGHT (Kg)
30	SK30-HC6-70	P2770101	6	26	45	70	20	27	M5x0.8	0.65
	SK30-HC8-70	P2770110	8	28	45	70	20	27	M6x1.0	0.65
	SK30-HC10-75	P2770102	10	30	45	75	21	32	M8x1.0	0.73
	SK30-HC12-85	P2770111	12	32	45	85	40	37	M10x1.0	0.80
	SK30-HC14-85	P2770112	14	34	45	85	22	37	M10x1.0	0.80
	SK30-HC16-90	P2770113	16	38	45	90	50	42	M6x1.0	0.90
	SK30-HC18-90	P2770114	18	40	45	90	50	42	M10x1.0	0.90
	SK30-HC20-90	P2770115	20	42	45	90	50	42	M6x1.0	0.90
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-HC8-110	P2770117	8	28	49.5	110	30	27	M6x1.0	1.76
	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-HC14-80.5	P2776653	14	34	49.5	80.5	32	37	M10x1.0	1.35
	SK40AD/B-HC14-110	P2776654	14	34	49.5	110	32	37	M10x1.0	1.75
	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
	SK40AD/B-HC32-110	P2770126	32	63	80	110	25.5	55	M16x1.0	2.60
50	SK50AD/B-HC6-80.5	P2770104	6	26	49.5	80.5	30	27	M5x0.8	3.00
	SK50AD/B-HC8-80.5	P2770116	8	28	49.5	80.5	30	27	M6x1.0	3.00
	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-HC14-80.5	P2776655	14	34	49.5	80.5	37	37	M10x1.0	3.07
	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

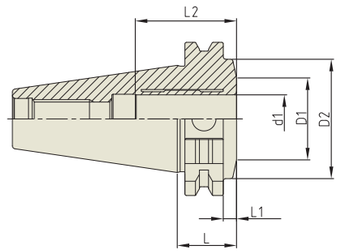
- ▶ CAT(ASME B5.50) taper and Inch type products are available.
- ▶ Balancing grade G2.5 at 25,000RPM or U max. < 1gmm.
- ▶ Supplied with clamping T-wrench.
- ▶ For applicable Hydraulic Chuck collet, please refer to page D291~D294.

HYDRAULIC CHUCK

HC

HYDRAULIC CHUCK (ULTRA SHORT)

HYDRAULIK SPANNFUTTER (KURZ)
MANDRIN HYDRAULIQUE (COURT)
MANDRINI IDRAULICI (CORTO)
PORTAHERRAMIENTAS HIDRAULICO (CORTO)



DIN 69871-SK | 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)
40	SK40-HC20-24.6	P2770120	20	34	49.5	24.6	5.5	42	0.81
50	SK50-HC32-30.9	P2770121	32	49	70.5	30.9	11.85	55	2.63

- ▶ CAT(ASME B5.50) taper and Inch type products are available.
- ▶ Balancing grade G2.5 at 25,000RPM or U max. < 1gmm.
- ▶ Supplied with clamping T-wrench.
- ▶ For applicable Hydraulic Chuck collet, please refer to page D291~D294.

TOOLING SYSTEM

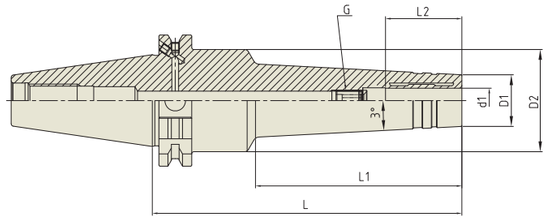
SK (DIN 69871)
CBT (BT DUAL CONTACT)
BT (JIS B6339/ MAS 403)
HSK (DIN 69893/ ISO 12164)
STRAIGHT
ISO, NT, MTA/MTB, GOST
TOOL HOLDER SET
BORING SYSTEM
ACCESSORY & PARTS

HYDRAULIC CHUCK

HMC

HYDRAULIC CHUCK (SLIM)

HYDRAULIK SPANNFUTTER (SCHLANK)
MANDRIN HYDRAULIQUE (MINCE)
MANDRINI IDRAULICI (SOTTILE)
PORTAHERRAMIENTAS HIDRAULICO (DELGADO)



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	44.5	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	44.5	150	100	37	M10×1.0	1.65
	SK40AD/B-HMC14-120	P2770719	14	27	49.5	120	70	37	M10×1.0	1.50
	SK40AD/B-HMC14-150	P2770720	14	27	49.5	150	100	37	M10×1.0	1.70
	SK40AD/B-HMC16-120	P2770709	16	32	49.5	120	70	42	M12×1.0	1.45
	SK40AD/B-HMC16-150	P2770710	16	32	49.5	150	100	42	M12×1.0	1.70
	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
50	SK50AD/B-HMC6-150	P2770713	6	20	44.5	150	100	27	M5×0.8	4.50
	SK50AD/B-HMC8-150	P2770714	8	22	44.5	150	100	27	M6×1.0	4.50
	SK50AD/B-HMC10-150	P2770715	10	24	44.5	150	100	32	M8×1.0	4.50
	SK50AD/B-HMC12-150	P2770716	12	25	44.5	150	100	37	M10×1.0	4.50
	SK50AD/B-HMC14-150	P2770721	14	27	44.5	150	100	37	M10×1.0	4.60
	SK50AD/B-HMC16-150	P2770717	16	32	44.5	150	100	42	M12×1.0	4.70
	SK50AD/B-HMC20-150	P2770718	20	34	44.5	150	100	42	M16×1.0	5.00

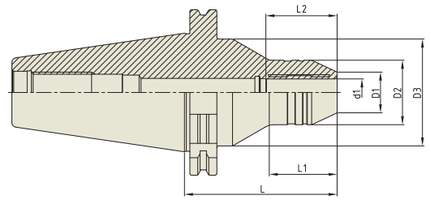
- CAT(ASME B5.50) taper and Inch type products are available.
- Balancing grade G2.5 at 25,000RPM or U max. < 1gmm.
- Supplied with clamping T-wrench.
- For applicable Hydraulic Chuck collet, please refer to page D291~D294.

HYDRAULIC CHUCK

HC-G

HYDRAULIC CHUCK (For GRINDER)

HYDRAULIK SPANNFUTTER FÜR DEN FORMENBAU
MANDRIN HYDRAULIQUE POUR MOULISTE
MANDRINI IDRAULICI PER STAMPAGGIO
PORTAHERRAMIENTAS HIDRAULICO PARA MOLDES



DIN 69871-SK | AT3 | (at 3D) ≤3μm | AD

Unit : mm

TAPER No.	MODEL No.	EDP No.	d1	D1	D2	D3	L	L1	L2	WEIGH (Kg)
50	SK50-HC6G-90	P2770951	6	14	30	63	90	30	27	3.00
	SK50-HC8G-90	P2770952	8	16	30	63	90	30	27	3.00
	SK50-HC10G-90	P2770953	10	18	30	63	90	30	32	3.00
	SK50-HC12G-90	P2770954	12	21	33	63	90	35	37	3.05
	SK50-HC14G-90	P2770955	14	22	35	63	90	35	37	3.10
	SK50-HC16G-90	P2770956	16	24	38	63	90	40	42	3.10
	SK50-HC18G-90	P2770957	18	26	40	63	90	40	42	3.10
	SK50-HC20G-110	P2770958	20	29	42	63	110	40	42	3.30
	SK50-HC25G-110	P2770959	25	34	50	70	110	45	48	3.60
	SK50-HC32G-110	P2770960	32	42	56	80	110	50	55	4.20

- Supplied with clamping T-wrench.
- For applicable Hydraulic Chuck collet, please refer to page D291~D294.

TOOLING SYSTEM

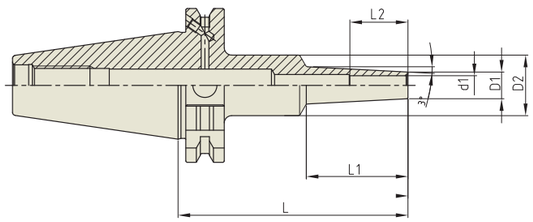
SK (DIN 69871)
CBT (BT DUAL CONTACT)
BT (JIS B6339/ MAS 403)
HSK (DIN 69893/ ISO 12164)
STRAIGHT
ISO, NT, MTA/MTB, GOST
TOOL HOLDER SET
BORING SYSTEM
ACCESSORY & PARTS

SHRINK FIT HOLDER

SFHS

SHRINK FIT HOLDER (EXTRA SLIM)

SCHRUMPFFUTTER
MANDRIN DE FRETTAGE
MADRINI PER CALLETAMENTO A CALDO
PORTAHERRAMIENTAS DE COMPRESION POR CALOR



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

Unit : mm

TAPER No.	MODEL No.	EDP No.	d1	D1	D2	L	L1	L2	WEIGHT (Kg)
30	SK30-SFHS3-60	P2771332S	3	6	20	60	22	9	-
	SK30-SFHS3-80	P2771333S	3	6	25	80	42	9	-
	SK30-SFHS4-60	P2771334S	4	7	20	60	22	12	-
	SK30-SFHS4-80	P2771335S	4	7	25	80	42	12	-
	SK30-SFHS6-60	P2771336S	6	9	20	60	22	18	-
	SK30-SFHS6-80	P2771337S	6	9	25	80	42	18	-
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
50	SK50AD/B-SFHS3-110	P2771350S	3	6	25	110	42	9	2.77
	SK50AD/B-SFHS3-160	P2771351S	3	6	25	160	97	9	2.79
	SK50AD/B-SFHS4-110	P2771352S	4	7	25	110	42	12	2.75
	SK50AD/B-SFHS4-160	P2771353S	4	7	25	160	97	12	2.80
	SK50AD/B-SFHS6-110	P2771354S	6	9	26	110	42	18	2.74
	SK50AD/B-SFHS6-160	P2771355S	6	9	26	160	97	18	2.85
	SK50AD/B-SFHS8-110	P2771356S	8	11	36	110	42	24	2.84
	SK50AD/B-SFHS8-160	P2771357S	8	11	36	160	97	24	2.92
	SK50AD/B-SFHS10-110	P2771358S	10	13	36	110	42	30	2.85
	SK50AD/B-SFHS10-160	P2771359S	10	13	36	160	97	30	2.93
	SK50AD/B-SFHS12-110	P2771360S	12	15	36	110	42	30	2.85
	SK50AD/B-SFHS12-160	P2771361S	12	15	36	160	97	30	2.96

▶ CAT(ASME B5.50) taper and Inch type products are available.
▶ Balancing grade G2.5 at 25,000RPM or U max. < 1gmm.

SHRINK FIT HOLDER

SFH

SHRINK FIT HOLDER

SCHRUMPFFUTTER
MANDRIN DE FRETTAGE
MADRINI PER CALLETAMENTO A CALDO
PORTAHERRAMIENTAS DE COMPRESION POR CALOR

FIG.1

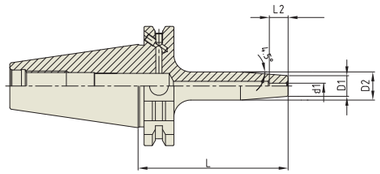
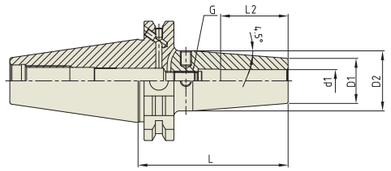


FIG.2



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

Unit : mm

TAPER No.	MODEL No.	EDP No.	d1	D1	D2	L	L2	G	FIG.	WEIGHT (Kg)
30	SK30-SFH3-60	P2771308A	3	11	15	60	10	-	1	0.40
	SK30-SFH4-60	P2771309A	4	11	15	60	12	-	1	0.40
	SK30-SFH5-60	P2771310A	5	11	15	60	15	-	1	0.40
	SK30-SFH6-60	P2771311A	6	21	27	60	36	M5×0.8	2	0.40
	SK30-SFH8-60	P2771312A	8	21	27	60	36	M6×1.0	2	0.40
	SK30-SFH10-80	P2771313A	10	24	32	80	42	M8×1.0	2	0.40
	SK30-SFH12-80	P2771314A	12	24	32	80	47	M10×1.0	2	0.42
	SK30-SFH14-80	P2771315A	14	27	34	80	47	M10×1.0	2	-
	SK30-SFH16-80	P2771316A	16	27	34	80	50	M12×1.0	2	0.42
	SK30-SFH18-80	P2771319A	18	33	42	80	50	M12×1.0	2	-
	SK30-SFH20-90	P2771318A	20	33	42	90	52	M16×1.0	2	0.44
40	SK40AD/B-SFH3-80	P2771301	3	11	15	80	10	-	1	1.00
	SK40AD/B-SFH4-80	P2771302	4	11	15	80	12	-	1	1.00
	SK40AD/B-SFH5-80	P2771303	5	11	15	80	15	-	1	1.00
	SK40AD/B-SFH6-80	P2554058	6	21	27	80	36	M5×0.8	2	1.10
	SK40AD/B-SFH6-130	P2771320A	6	21	27	130	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-SFH8-130	P2771321A	8	21	27	130	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-SFH10-130	P2771322A	10	24	32	130	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-SFH12-130	P2771323A	12	24	32	130	47	M10×1.0	2	-
	SK40AD/B-SFH12-160	P2771307	12	24	32	160	47	M10×1.0	2	1.15
	SK40AD/B-SFH14-80	P2771319	14	27	34	80	47	M10×1.0	2	1.20
	SK40AD/B-SFH14-130	P2771324A	14	27	34	130	47	M10×1.0	2	-
	SK40AD/B-SFH14-160	P2771320	14	27	34	160	47	M10×1.0	2	1.50

▶ CAT(ASME B5.50) taper and Inch type products are available.
▶ Supplied without balancing screws.
▶ Balancing grade G2.5 at 25,000RPM or U max. < 1gmm.

▶ NEXT PAGE

TOOLING SYSTEM

SK (DIN 69871)
CBT (BT DUAL CONTACT)
BT (JIS B6339/ MAS 403)
HSK (DIN 69893/ ISO 12164)
STRAIGHT
ISO, NT, MTA/MTB, GOST
TOOL HOLDER SET
BORING SYSTEM
ACCESSORY & PARTS

SHRINK FIT HOLDER

SFH

SHRINK FIT HOLDER

SCHRUMPFFUTTER
MANDRIN DE FRETTAGE
MADRINI PER CALLETAMENTO A CALDO
PORTAHERRAMIENTAS DE COMPRESION POR CALOR

FIG.1

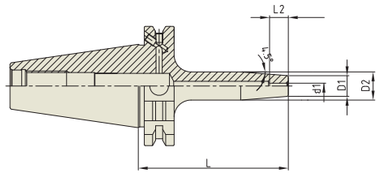
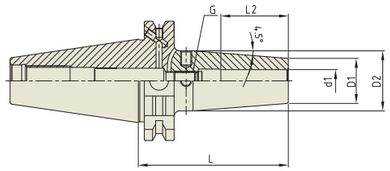


FIG.2



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)
40	SK40AD/B-SFH16-80	P2554054	16	27	34	80	50	M12×1.0	2	1.20
	SK40AD/B-SFH16-130	P2771325A	16	27	34	130	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-SFH18-130	P2771326A	18	33	42	130	50	M12×1.0	2	-
	SK40AD/B-SFH18-160	P2771322	18	33	42	160	50	M12×1.0	2	1.60
	SK40AD/B-SFH20-80	P2554056	20	33	42	80	52	M16×1.0	2	1.40
	SK40AD/B-SFH20-130	P2771327A	20	33	42	130	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-SFH25-130	P2771328A	25	44	53	130	58	M16×1.0	2	-
	SK40AD/B-SFH25-160	P2771324	25	44	53	160	58	M16×1.0	2	2.00
50	SK50AD/B-SFH3-80	P2771325	3	11	15	80	10	-	1	1.50
	SK50AD/B-SFH4-80	P2771326	4	11	15	80	12	-	1	1.50
	SK50AD/B-SFH5-80	P2771327	5	11	15	80	15	-	1	1.50
	SK50AD/B-SFH6-80	P2771328	6	21	27	80	36	M5×0.8	2	1.50
	SK50AD/B-SFH6-130	P2771329A	6	21	27	130	36	M5×0.8	2	-
	SK50AD/B-SFH6-160	P2771329	6	21	27	160	36	M5×0.8	2	2.00
	SK50AD/B-SFH6-200	P2771330A	6	21	27	200	36	M5×0.8	2	-
	SK50AD/B-SFH8-80	P2760010	8	21	27	80	36	M6×1.0	2	1.50
	SK50AD/B-SFH8-130	P2771331A	8	21	27	130	36	M6×1.0	2	-
	SK50AD/B-SFH8-160	P2760015	8	21	27	160	36	M6×1.0	2	2.00
	SK50AD/B-SFH8-200	P2771332A	8	21	27	200	36	M6×1.0	2	-
	SK50AD/B-SFH10-80	P2761010	10	24	32	80	42	M8×1.0	2	1.50
	SK50AD/B-SFH10-130	P2771333A	10	24	32	130	42	M8×1.0	2	-
	SK50AD/B-SFH10-160	P2761015	10	24	32	160	42	M8×1.0	2	2.00
	SK50AD/B-SFH10-200	P2771334A	10	24	32	200	42	M8×1.0	2	-
	SK50AD/B-SFH12-80	P2762010	12	24	32	80	47	M10×1.0	2	1.50
	SK50AD/B-SFH12-130	P2771335A	12	24	32	130	47	M10×1.0	2	-

▶ CAT(ASME B5.50) taper and Inch type products are available.
▶ Supplied without balancing screws.
▶ Balancing grade G2.5 at 25,000RPM or U max. < 1gmm.

▶ NEXT PAGE

TOOLING SYSTEM

SK (DIN 69871)
CBT (BT DUAL CONTACT)
BT (JIS B6339/ MAS 403)
HSK (DIN 69893/ ISO 12164)
STRAIGHT
ISO, NT, MTA/MTB, GOST
TOOL HOLDER SET
BORING SYSTEM
ACCESSORY & PARTS

SHRINK FIT HOLDER

SFH

SHRINK FIT HOLDER

SCHRUMPFFUTTER
MANDRIN DE FRETTAGE
MADRINI PER CALLETAMENTO A CALDO
PORTAHERRAMIENTAS DE COMPRESION POR CALOR

FIG.1

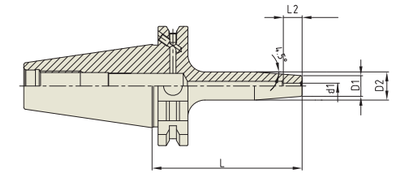
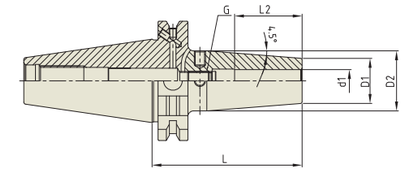


FIG.2



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-SFH12-160	P2762015	12	24	32	160	47	M10×1.0	2	2.00
	SK50AD/B-SFH12-200	P2771336A	12	24	32	200	47	M10×1.0	2	-
	SK50AD/B-SFH14-80	P2763010	14	27	34	80	47	M10×1.0	2	1.60
	SK50AD/B-SFH14-130	P2771337A	14	27	34	130	47	M10×1.0	2	-
	SK50AD/B-SFH14-160	P2763015	14	27	34	160	47	M10×1.0	2	2.10
	SK50AD/B-SFH14-200	P2771338A	14	27	34	200	47	M10×1.0	2	-
	SK50AD/B-SFH16-80	P2764010	16	27	34	80	50	M12×1.0	2	1.60
	SK50AD/B-SFH16-130	P2771339A	16	27	34	130	50	M12×1.0	2	-
	SK50AD/B-SFH16-160	P2764015	16	27	34	160	50	M12×1.0	2	2.10
	SK50AD/B-SFH16-200	P2771340A	16	27	34	200	50	M12×1.0	2	-
	SK50AD/B-SFH18-80	P2765010	18	33	42	80	50	M12×1.0	2	1.60
	SK50AD/B-SFH18-130	P2771341A	18	33	42	130	50	M12×1.0	2	-
	SK50AD/B-SFH18-160	P2765015	18	33	42	160	50	M12×1.0	2	2.00
	SK50AD/B-SFH18-200	P2771342A	18	33	42	200	50	M12×1.0	2	-
	SK50AD/B-SFH20-80	P2766010	20	33	42	80	52	M16×1.0	2	1.80
	SK50AD/B-SFH20-130	P2771343A	20	33	42	130	52	M16×1.0	2	-
	SK50AD/B-SFH20-160	P2766015	20	33	42	160	52	M16×1.0	2	2.20
	SK50AD/B-SFH20-200	P2771344A	20	33	42	200	52	M16×1.0	2	-
	SK50AD/B-SFH25-90	P2771330	25	44	53	90	58	M16×1.0	2	2.00
	SK50AD/B-SFH25-130	P2771345A	25	44	53	130	58	M16×1.0	2	-
	SK50AD/B-SFH25-160	P2771331	25	44	53	160	58	M16×1.0	2	2.40
	SK50AD/B-SFH25-200	P2771346A	25	44	53	200	58	M16×1.0	2	-

▶ CAT(ASME B5.50) taper and Inch type products are available.
▶ Supplied without balancing screws.
▶ Balancing grade G2.5 at 25,000RPM or U max. < 1gmm.

SHRINK FIT HOLDER

SFH

SHRINK FIT HOLDER (COOLANT CHANNEL)

SCHRUMPFFUTTER
MANDRIN DE FRETTAGE
MADRINI PER CALLETAMENTO A CALDO
PORTAHERRAMIENTAS DE COMPRESION POR CALOR

FIG.1

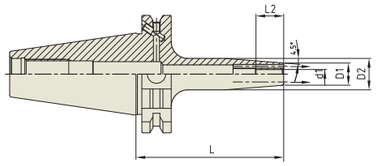
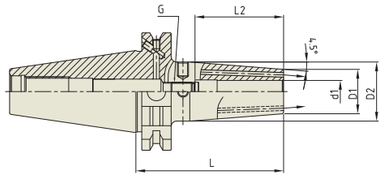


FIG.2



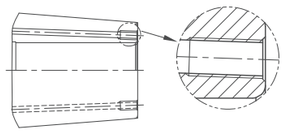
DIN 69871-SK | AT3 | 2.5G | 25,000 RPM | (LD) ≤3μm | AD/B+C

Unit : mm

TAPER No.	MODEL No.	EDP No.	d1	D1	D2	L	L2	G	FIG.	WEIGHT (Kg)
40	SK40AD/B-SFH3C-80*1	P2801337C	3	12	17	80	10	-	1	-
	SK40AD/B-SFH4C-80*1	P2801337C	4	12	17	80	12	-	1	-
	SK40AD/B-SFH5C-80*1	P2801340C	5	12	17	80	15	-	1	-
	SK40AD/B-SFH6C-80	P2801301C	6	21	27	80	36	M5x0.8	2	1.10
	SK40AD/B-SFH6C-130	P2801342C	6	21	27	130	36	M5x0.8	2	-
	SK40AD/B-SFH6C-160	P2801302C	6	21	27	160	36	M5x0.8	2	1.15
	SK40AD/B-SFH8C-80	P2801303C	8	21	27	80	36	M6x1.0	2	1.11
	SK40AD/B-SFH8C-130	P2801343C	8	21	27	130	36	M6x1.0	2	-
	SK40AD/B-SFH8C-160	P2801304C	8	21	27	160	36	M6x1.0	2	1.15
	SK40AD/B-SFH10C-80	P2801305C	10	24	32	80	42	M8x1.0	2	1.10
	SK40AD/B-SFH10C-130	P2801344C	10	24	32	130	42	M8x1.0	2	-
	SK40AD/B-SFH10C-160	P2801306C	10	24	32	160	42	M8x1.0	2	1.15
	SK40AD/B-SFH12C-80	P2801307C	12	24	32	80	47	M10x1.0	2	1.10
	SK40AD/B-SFH12C-130	P2801345C	12	24	32	130	47	M10x1.0	2	-
	SK40AD/B-SFH12C-160	P2801308C	12	24	32	160	47	M10x1.0	2	1.15
	SK40AD/B-SFH14C-80	P2801309C	14	27	34	80	47	M10x1.0	2	1.20
	SK40AD/B-SFH14C-130	P2801346C	14	27	34	130	47	M10x1.0	2	-
	SK40AD/B-SFH14C-160	P2801310C	14	27	34	160	47	M10x1.0	2	1.50
	SK40AD/B-SFH16C-80	P2801311C	16	27	34	80	50	M12x1.0	2	1.20
	SK40AD/B-SFH16C-130	P2801347C	16	27	34	130	50	M12x1.0	2	-
	SK40AD/B-SFH16C-160	P2801312C	16	27	34	160	50	M12x1.0	2	1.50
	SK40AD/B-SFH18C-80	P2801313C	18	33	42	80	50	M12x1.0	2	1.30
	SK40AD/B-SFH18C-130	P2801348C	18	33	42	130	50	M12x1.0	2	-
	SK40AD/B-SFH18C-160	P2801314C	18	33	42	160	50	M12x1.0	2	1.60
	SK40AD/B-SFH20C-80	P2801315C	20	33	42	80	52	M16x1.0	2	1.40
	SK40AD/B-SFH20C-130	P2801349C	20	33	42	130	52	M16x1.0	2	-
	SK40AD/B-SFH20C-160	P2801316C	20	33	42	160	52	M16x1.0	2	1.70
	SK40AD/B-SFH25C-90	P2801317C	25	44	53	90	58	M16x1.0	2	1.70
	SK40AD/B-SFH25C-130	P2801350C	25	44	53	130	58	M16x1.0	2	-
	SK40AD/B-SFH25C-160	P2801318C	25	44	53	160	58	M16x1.0	2	2.00

▶ NEXT PAGE

- ▶ CAT(ASME B5.50) taper and Inch type products are available.
- ▶ Supplied without balancing screws.
- ▶ Balancing grade G2.5 at 25,000RPM or U max. < 1gmm.
- ▶ With two coolant channel bores.
- ▶ Resealable coolant channel type is available upon request. (Thread for plugging screw & 2 screws)
- ▶ *1 Resealable type is not available.



SHRINK FIT HOLDER

SFH

SHRINK FIT HOLDER (COOLANT CHANNEL)

SCHRUMPFFUTTER
MANDRIN DE FRETTAGE
MADRINI PER CALLETAMENTO A CALDO
PORTAHERRAMIENTAS DE COMPRESION POR CALOR

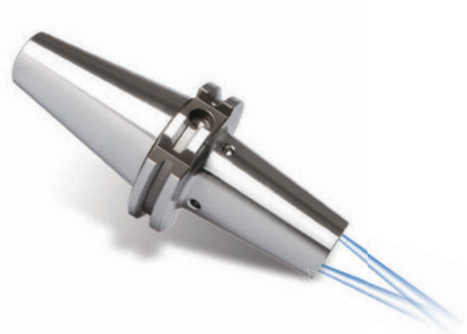


FIG.1

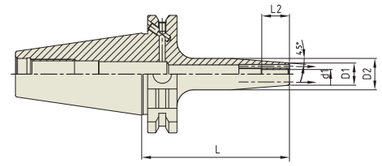
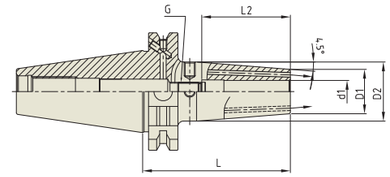


FIG.2



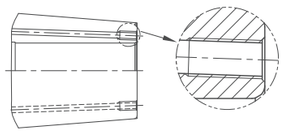
DIN 69871-SK | AT3 | 2.5G | 25,000 RPM | (LD) ≤3μm | AD/B+C

Unit : mm

TAPER No.	MODEL No.	EDP No.	d1	D1	D2	L	L2	G	FIG.	WEIGHT (Kg)
50	SK50AD/B-SFH3C-80*1	P2801338C	3	12	17	80	10	-	1	-
	SK50AD/B-SFH4C-80*1	P2801339C	4	12	17	80	12	-	1	-
	SK50AD/B-SFH5C-80*1	P2801341C	5	12	17	80	15	-	1	-
	SK50AD/B-SFH6C-80	P2801319C	6	21	27	80	36	M5x0.8	2	1.50
	SK50AD/B-SFH6C-130	P2801351C	6	21	27	130	36	M5x0.8	2	-
	SK50AD/B-SFH6C-160	P2801320C	6	21	27	160	36	M5x0.8	2	2.00
	SK50AD/B-SFH6C-200	P2801352C	6	21	27	200	36	M5x0.8	2	-
	SK50AD/B-SFH8C-80	P2801321C	8	21	27	80	36	M6x1.0	2	1.50
	SK50AD/B-SFH8C-130	P2801353C	8	21	27	130	36	M6x1.0	2	-
	SK50AD/B-SFH8C-160	P2801322C	8	21	27	160	36	M6x1.0	2	2.00
	SK50AD/B-SFH8C-200	P2801354C	8	21	27	200	36	M6x1.0	2	-
	SK50AD/B-SFH10C-80	P2801323C	10	24	32	80	42	M8x1.0	2	1.50
	SK50AD/B-SFH10C-130	P2801355C	10	24	32	130	42	M8x1.0	2	-
	SK50AD/B-SFH10C-160	P2801324C	10	24	32	160	42	M8x1.0	2	2.00
	SK50AD/B-SFH10C-200	P2801356C	10	24	32	200	42	M8x1.0	2	-
	SK50AD/B-SFH12C-80	P2801325C	12	24	32	80	47	M10x1.0	2	1.60
	SK50AD/B-SFH12C-130	P2801357C	12	24	32	130	47	M10x1.0	2	-
	SK50AD/B-SFH12C-160	P2801326C	12	24	32	160	47	M10x1.0	2	2.10
	SK50AD/B-SFH12C-200	P2801358C	12	24	32	200	47	M10x1.0	2	-
	SK50AD/B-SFH14C-80	P2801327C	14	27	34	80	47	M10x1.0	2	1.60
	SK50AD/B-SFH14C-130	P2801359C	14	27	34	130	47	M10x1.0	2	-
	SK50AD/B-SFH14C-160	P2801328C	14	27	34	160	47	M10x1.0	2	2.10
	SK50AD/B-SFH14C-200	P2801360C	14	27	34	200	47	M10x1.0	2	-
	SK50AD/B-SFH16C-80	P2801329C	16	27	34	80	50	M12x1.0	2	1.60
	SK50AD/B-SFH16C-130	P2801361C	16	27	34	130	50	M12x1.0	2	-
	SK50AD/B-SFH16C-160	P2801330C	16	27	34	160	50	M12x1.0	2	2.10
	SK50AD/B-SFH16C-200	P2801362C	16	27	34	200	50	M12x1.0	2	-

▶ NEXT PAGE

- ▶ CAT(ASME B5.50) taper and Inch type products are available.
- ▶ Supplied without balancing screws.
- ▶ Balancing grade G2.5 at 25,000RPM or U max. < 1gmm.
- ▶ With two coolant channel bores.
- ▶ Resealable coolant channel type is available upon request. (Thread for plugging screw & 2 screws)
- ▶ *1 Resealable type is not available.



TOOLING SYSTEM

SK (DIN 69871)
CBT (BT DUAL CONTACT)
BT (JIS B6339/ MAS 403)
HSK (DIN 69893/ ISO 12164)
STRAIGHT
ISO, NT, MTA/MTB, GOST
TOOL HOLDER SET
BORING SYSTEM
ACCESSORY & PARTS

SHRINK FIT HOLDER

SFH

SHRINK FIT HOLDER (COOLANT CHANNEL)

SCHRUMPFFUTTER
MANDRIN DE FRETTAGE
MADRINI PER CALLETAMENTO A CALDO
PORTAHERRAMIENTAS DE COMPRESION POR CALOR

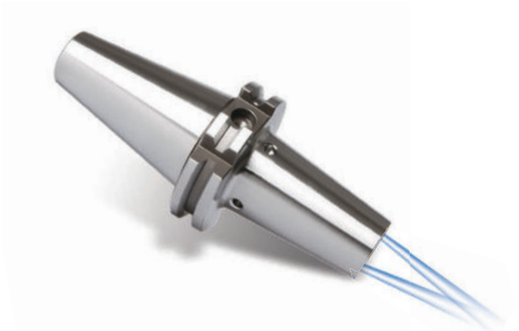


FIG.1

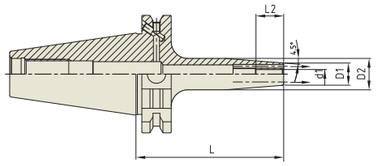
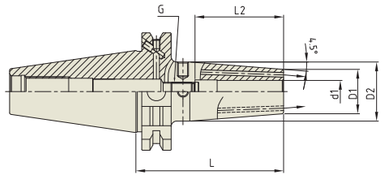


FIG.2

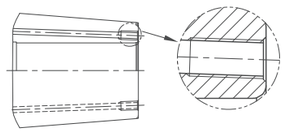


DIN 69871-SK | AT3 | 2.5G | 25,000 RPM | (LD) ≤3μm | AD/B+C

Unit : mm

TAPER No.	MODEL No.	EDP No.	d1	D1	D2	L	L2	G	FIG.	WEIGHT (Kg)
50	SK50AD/B-SFH18C-80	P2801331C	18	33	42	80	50	M12x1.0	2	1.60
	SK50AD/B-SFH18C-130	P2801363C	18	33	42	130	50	M12x1.0	2	-
	SK50AD/B-SFH18C-160	P2801332C	18	33	42	160	50	M12x1.0	2	2.00
	SK50AD/B-SFH18C-200	P2801364C	18	33	42	200	50	M12x1.0	2	-
	SK50AD/B-SFH20C-80	P2801333C	20	33	42	80	52	M16x1.0	2	1.80
	SK50AD/B-SFH20C-130	P2801365C	20	33	42	130	52	M16x1.0	2	-
	SK50AD/B-SFH20C-160	P2801334C	20	33	42	160	52	M16x1.0	2	2.20
	SK50AD/B-SFH20C-200	P2801366C	20	33	42	200	52	M16x1.0	2	-
	SK50AD/B-SFH25C-90	P2801335C	25	44	53	90	58	M16x1.0	2	2.00
	SK50AD/B-SFH25C-130	P2801367C	25	44	53	130	58	M16x1.0	2	-
	SK50AD/B-SFH25C-160	P2801336C	25	44	53	160	58	M16x1.0	2	2.40
	SK50AD/B-SFH25C-200	P2801368C	25	44	53	200	58	M16x1.0	2	-

- ▶ CAT(ASME B5.50) taper and Inch type products are available.
- ▶ Supplied without balancing screws.
- ▶ Balancing grade G2.5 at 25,000RPM or U max. < 1gmm.
- ▶ With two coolant channel bores.
- ▶ Resealable coolant channel type is available upon request. (Thread for plugging screw & 2 screws)
- ▶ *1 Resealable type is not available.

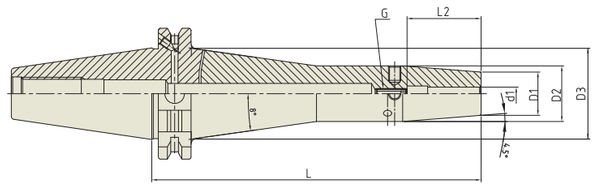


SHRINK FIT HOLDER

TW

SHRINK FIT HOLDER (REINFORCED)

SCHRUMPFFUTTER (VERSTÄRKT)
MANDRIN DE FRETTAGE (RENFORCÉ)
MADRINI PER CALLETAMENTO A CALDO (RINFORZATO)
PORTAHERRAMIENTAS DE COMPRESION POR CALOR (REFORZADO)



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

Unit : mm

TAPER No.	MODEL No.	EDP No.	d1	D1	D2	D3	L	L2	G	WEIGHT (Kg)
40	SK40AD/B-SFH6 TW-160	P2801401TW	6	21	27	44.1	160	36	M5x0.8	1.56
	SK40AD/B-SFH8 TW-160	P2801402TW	8	21	27	44.1	160	36	M6x1.0	1.56
	SK40AD/B-SFH10 TW-160	P2801403TW	10	24	32	49.1	160	42	M8x1.0	1.78
	SK40AD/B-SFH12 TW-160	P2801404TW	12	24	32	49.1	160	47	M10x1.0	1.77
	SK40AD/B-SFH14 TW-160	P2801405TW	14	27	34	51.1	160	47	M10x1.0	1.74
	SK40AD/B-SFH16 TW-160	P2801406TW	16	27	34	51.1	160	50	M12x1.0	1.72
50	SK50AD/B-SFH6 TW-160	P2801407TW	6	21	27	44.1	160	36	M5x0.8	3.32
	SK50AD/B-SFH8 TW-160	P2801408TW	8	21	27	44.1	160	36	M6x1.0	3.32
	SK50AD/B-SFH10 TW-160	P2801409TW	10	24	32	49.1	160	42	M8x1.0	3.54
	SK50AD/B-SFH12 TW-160	P2801410TW	12	24	32	49.1	160	47	M10x1.0	3.54
	SK50AD/B-SFH14 TW-160	P2801411TW	14	27	34	51.1	160	47	M10x1.0	3.50
	SK50AD/B-SFH16 TW-160	P2801412TW	16	27	34	51.1	160	50	M12x1.0	3.48
	SK50AD/B-SFH20 TW-160	P2801413TW	20	33	42	59.1	160	52	M16x1.0	3.88

- ▶ CAT(ASME B5.50) taper and Inch type products are available.
- ▶ Supplied without balancing screws.
- ▶ Coolant channel type is available upon request.
- ▶ Balancing grade G2.5 at 25,000RPM or U max. < 1gmm.

TOOLING SYSTEM

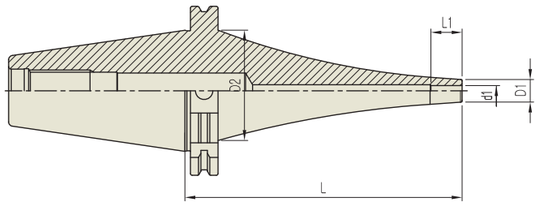
SK (DIN 69871)
CBT (BT DUAL CONTACT)
BT (JIS B6339/ MAS 403)
HSK (DIN 69893/ ISO 12164)
STRAIGHT
ISO, NT, MTA/MTB, GOST
TOOL HOLDER SET
BORING SYSTEM
ACCESSORY & PARTS

SHRINK FIT HOLDER

SFH

SHRINK FIT HOLDER (CURVED)

SCHRUMPFFUTTER (GEBOGEN)
MANDRIN DE FRETTAGE (INCURVÉ)
MADRINI PER CALLETAMENTO A CALDO (CURVO)
PORTAHERRAMIENTAS DE COMPRESION POR CALOR (CURVADO)



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	WEIGHT (Kg)
50	SK50AD/B-SFH8CV-195	P2785067CV	8	16	70	195	24	-
	SK50AD/B-SFH10CV-165	P2785068CV	10	19	70	165	30	-
	SK50AD/B-SFH10CV-195	P2785069CV	10	19	70	195	30	-
	SK50AD/B-SFH12CV-165	P2785070CV	12	22	70	165	30	-
	SK50AD/B-SFH12CV-195	P2785071CV	12	22	70	195	30	-

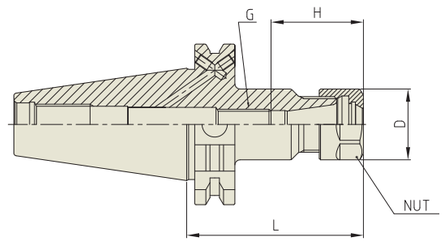
▶ CAT(ASME B5.50) taper and Inch type products are available.
▶ Supplied without balancing screws.
▶ Balancing grade G2.5 at 25,000RPM or U max. < 1gmm.

ER COLLET CHUCK

ER

ER COLLET CHUCK

SPANN FUTTER -ER
MANDRIN À PINCES - ER
MANDRINO PORTA PINZE - ER
PORTAPINZAS - 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	36	ER16	0.44
	SK40AD/B-ER16-100	P2774804	0.5 - 10.0	100	28	M10	36	ER16	0.56
	SK40AD/B-ER16-130	P2774827	0.5 - 10.0	130	28	M10	36	ER16	0.69
	SK40AD/B-ER16-160	P2774828	0.5 - 10.0	160	28	M10	36	ER16	0.81
	SK40AD/B-ER20-70	P2774813	0.5 - 13.0	70	34	M12	44.5	ER20	0.47
	SK40AD/B-ER20-100	P2774820	0.5 - 13.0	100	34	M12	44.5	ER20	0.64
	SK40AD/B-ER20-130	P2774829	0.5 - 13.0	130	34	M12	44.5	ER20	0.80
	SK40AD/B-ER20-160	P2774830	0.5 - 13.0	160	34	M12	44.5	ER20	1.00
	SK40AD/B-ER25-70	P2774802	1.0 - 16.0	70	42	M12	52	ER25	0.56
	SK40AD/B-ER25-100	P2774805	1.0 - 16.0	100	42	M12	52	ER25	0.84
	SK40AD/B-ER25-130	P2774831	1.0 - 16.0	130	42	M12	52	ER25	1.14
	SK40AD/B-ER25-160	P2774832	1.0 - 16.0	160	42	M12	52	ER25	1.44
	SK40AD/B-ER32-70	P2774803	1.0 - 20.0	70	50	M12	60	ER32	0.51
	SK40AD/B-ER32-100	P2774806	1.0 - 20.0	100	50	M12	60	ER32	0.88
	SK40AD/B-ER32-130	P2774833	1.0 - 20.0	130	50	M12	60	ER32	1.21
	SK40AD/B-ER32-160	P2774834	1.0 - 20.0	160	50	M12	60	ER32	1.54
	SK40AD/B-ER40-80	P2774814	2.0 - 30.0	80	63	M12	53	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

▶ NEXT PAGE

▶ CAT(ASME B5.50) taper and Inch type products are available.
▶ Balancing grade G2.5 at 25,000RPM or U max. < 1gmm.
▶ For applicable ER collet, please refer to page D296~D304.
▶ For applicable ER nut, Sealing disk and Spanner, please refer to page D305~D309.

TOOLING SYSTEM

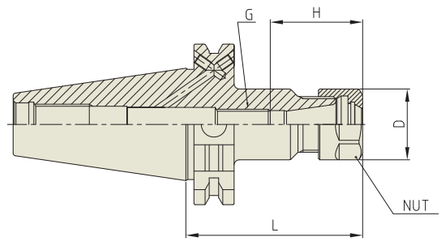
SK (DIN 69871)
CBT (BT DUAL CONTACT)
BT (JIS B6339/ MAS 403)
HSK (DIN 69893/ ISO 12164)
STRAIGHT
ISO, NT, MTA/MTB, GOST
TOOL HOLDER SET
BORING SYSTEM
ACCESSORY & PARTS

ER COLLET CHUCK

ER

ER COLLET CHUCK

SPANN FUTTER -ER
MANDRIN À PINCES - ER
MANDRINO PORTA PINZE - ER
PORTAPINZAS - 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)
50	SK50AD/B-ER16-70	P2774815	0.5 - 10.0	70	28	M10	36	ER16	2.71
	SK50AD/B-ER16-100	P2774821	0.5 - 10.0	100	28	M10	45	ER16	2.82
	SK50AD/B-ER16-130	P2774838	0.5 - 10.0	130	28	M10	36	ER16	2.92
	SK50AD/B-ER16-160	P2774839	0.5 - 10.0	160	28	M10	36	ER16	3.01
	SK50AD/B-ER20-70	P2774816	0.5 - 13.0	70	34	M12	44.5	ER20	2.78
	SK50AD/B-ER20-100	P2774822	0.5 - 13.0	100	34	M12	50	ER20	2.88
	SK50AD/B-ER20-130	P2774840	0.5 - 13.0	130	34	M12	50	ER20	3.02
	SK50AD/B-ER20-160	P2774841	0.5 - 13.0	160	34	M12	50	ER20	3.16
	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	52	ER25	3.06
	SK50AD/B-ER25-130	P2774842	1.0 - 16.0	130	42	M12	42	ER25	3.32
	SK50AD/B-ER25-160	P2774843	1.0 - 16.0	160	42	M12	42	ER25	3.57
	SK50AD/B-ER32-70	P2774818	1.0 - 20.0	70	50	M12	60	ER32	2.84
	SK50AD/B-ER32-100	P2774824	1.0 - 20.0	100	50	M12	60	ER32	3.29
	SK50AD/B-ER32-130	P2774844	1.0 - 20.0	130	50	M12	73	ER32	3.67
	SK50AD/B-ER32-160	P2774845	1.0 - 20.0	160	50	M12	73	ER32	4.06
	SK50AD/B-ER40-80	P2774819	2.0 - 30.0	80	63	M12	69	ER40	3.10
	SK50AD/B-ER40-100	P2774825	2.0 - 30.0	100	63	M12	75	ER40	3.56
	SK50AD/B-ER40-130	P2774846	2.0 - 30.0	130	63	M12	75	ER40	4.22
	SK50AD/B-ER40-160	P2774847	2.0 - 30.0	160	63	M12	75	ER40	4.88

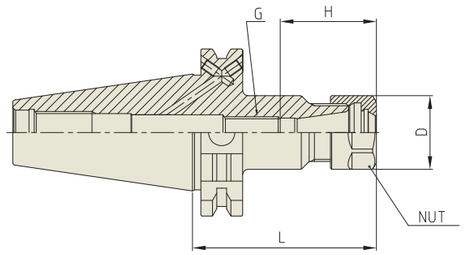
- ▶ CAT(ASME B5.50) taper and Inch type products are available.
- ▶ Balancing grade G2.5 at 25,000RPM or U max. < 1gmm.
- ▶ For applicable ER collet, please refer to page D296~D304.
- ▶ For applicable ER nut, Sealing disk and Spanner, please refer to page D305~D309.

ER COLLET CHUCK

ER

ER COLLET CHUCK

SPANN FUTTER -ER
MANDRIN À PINCES - ER
MANDRINO PORTA PINZE - ER
PORTAPINZAS - ER



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-ER11-70	P2537006	0.5 - 7.0	70	19	M6	45	ER11	0.90
	SK40AD/B-ER11-100	P2771802	0.5 - 7.0	100	19	M6	45	ER11	0.95
	SK40AD/B-ER16-70	P2537033	0.5 - 10.0	70	28	M10	36	ER16	0.44
	SK40AD/B-ER16-100	P2537017	0.5 - 10.0	100	28	M10	36	ER16	0.56
	SK40AD/B-ER16-130	P2771803	0.5 - 10.0	130	28	M10	36	ER16	0.69
	SK40AD/B-ER16-160	P2771804	0.5 - 10.0	160	28	M10	36	ER16	0.81
	SK40AD/B-ER20-70	P2537034	0.5 - 13.0	70	34	M12	44.5	ER20	0.47
	SK40AD/B-ER20-100	P2537018	0.5 - 13.0	100	34	M12	44.5	ER20	0.64
	SK40AD/B-ER20-130	P2771805	0.5 - 13.0	130	34	M12	44.5	ER20	0.80
	SK40AD/B-ER20-160	P2771806	0.5 - 13.0	160	34	M12	44.5	ER20	1.00
	SK40AD/B-ER25-70	P2537009	1.0 - 16.0	70	42	M12	52	ER25	0.56
	SK40AD/B-ER25-100	P2537019	1.0 - 16.0	100	42	M12	52	ER25	0.84
	SK40AD/B-ER25-130	P2771807	1.0 - 16.0	130	42	M12	52	ER25	1.14
	SK40AD/B-ER25-160	P2771808	1.0 - 16.0	160	42	M12	52	ER25	1.44
	SK40AD/B-ER32-70	P2537032	1.0 - 20.0	70	50	M12	60	ER32	0.51
	SK40AD/B-ER32-100	P2537020	1.0 - 20.0	100	50	M12	60	ER32	0.88
	SK40AD/B-ER32-130	P2771809	1.0 - 20.0	130	50	M12	60	ER32	1.21
	SK40AD/B-ER32-160	P2771810	1.0 - 20.0	160	50	M12	60	ER32	1.54
	SK40AD/B-ER40-80	P2537011	2.0 - 30.0	80	63	M12	53	ER40	0.65
	SK40AD/B-ER40-100	P2771811	2.0 - 30.0	100	63	M12	75	ER40	0.90
	SK40AD/B-ER40-130	P2771812	2.0 - 30.0	130	63	M12	75	ER40	1.34
	SK40AD/B-ER40-160	P2771813	2.0 - 30.0	160	63	M12	75	ER40	1.77

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- ▶ CAT(ASME B5.50) taper and Inch type products are available.
- ▶ For applicable ER collet, please refer to page D296~D304.
- ▶ For applicable ER nut, Sealing disk and Spanner, please refer to page D305~D309.

TOOLING SYSTEM

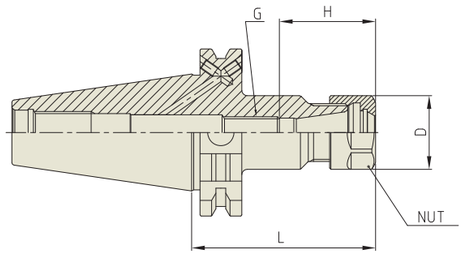
SK (DIN 69871)
CBT (BT DUAL CONTACT)
BT (JIS B6339/ MAS 403)
HSK (DIN 69893/ ISO 12164)
STRAIGHT
ISO, NT, MTA/MTB, GOST
TOOL HOLDER SET
BORING SYSTEM
ACCESSORY & PARTS

ER COLLET CHUCK

ER

ER COLLET CHUCK

SPANN FUTTER -ER
MANDRIN À PINCES - ER
MANDRINO PORTA PINZE - ER
PORTAPINZAS - ER



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)
50	SK50AD/B-ER16-70	P2537012	0.5 - 10.0	70	28	M10	36	ER16	2.71
	SK50AD/B-ER16-100	P2537021	0.5 - 10.0	100	28	M10	45	ER16	2.82
	SK50AD/B-ER16-130	P2771814	0.5 - 10.0	130	28	M10	36	ER16	2.92
	SK50AD/B-ER16-160	P2771815	0.5 - 10.0	160	28	M10	36	ER16	3.01
	SK50AD/B-ER20-70	P2771801	0.5 - 13.0	70	34	M12	44.5	ER20	2.78
	SK50AD/B-ER20-100	P2537022	0.5 - 13.0	100	34	M12	50	ER20	2.88
	SK50AD/B-ER20-130	P2771816	0.5 - 13.0	130	34	M12	50	ER20	3.02
	SK50AD/B-ER20-160	P2771817	0.5 - 13.0	160	34	M12	50	ER20	3.16
	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	52	ER25	3.06
	SK50AD/B-ER25-130	P2771818	1.0 - 16.0	130	42	M12	42	ER25	3.32
	SK50AD/B-ER25-160	P2771819	1.0 - 16.0	160	42	M12	42	ER25	3.57
	SK50AD/B-ER32-70	P2537035	1.0 - 20.0	70	50	M12	60	ER32	2.84
	SK50AD/B-ER32-100	P2537024	1.0 - 20.0	100	50	M12	60	ER32	3.29
	SK50AD/B-ER32-130	P2771820	1.0 - 20.0	130	50	M12	73	ER32	3.67
	SK50AD/B-ER32-160	P2771821	1.0 - 20.0	160	50	M12	73	ER32	4.06
	SK50AD/B-ER40-80	P2537016	2.0 - 30.0	80	63	M12	69	ER40	3.10
	SK50AD/B-ER40-100	P2537025	2.0 - 30.0	100	63	M12	75	ER40	3.56
	SK50AD/B-ER40-130	P2771822	2.0 - 30.0	130	63	M12	75	ER40	4.22
	SK50AD/B-ER40-160	P2771823	2.0 - 30.0	160	63	M12	75	ER40	4.88

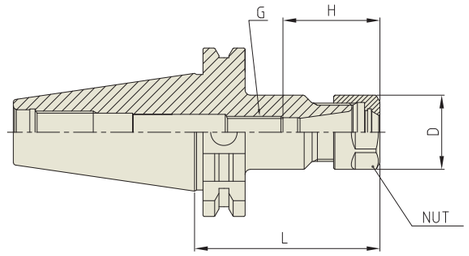
▶ CAT(ASME B5.50) taper and Inch type products are available.
▶ For applicable ER collet, please refer to page D296~D304.
▶ For applicable ER nut, Sealing disk and Spanner, please refer to page D305~D309.

ER COLLET CHUCK

ER

ER COLLET CHUCK

SPANN FUTTER -ER
MANDRIN À PINCES - ER
MANDRINO PORTA PINZE - ER
PORTAPINZAS - 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)
30	SK30-ER11-55	P2527001	0.5 - 7.0	55	19	M6	45	ER11	0.43
	SK30-ER16-55	P2527002	0.5 - 10.0	55	28	M10	45	ER16	0.44
	SK30-ER20-55	P2527003	0.5 - 13.0	55	34	M12	50	ER20	0.44
	SK30-ER25-55	P2527004	1.0 - 16.0	55	42	M12	65	ER25	0.42
	SK30-ER32-60	P2527005	1.0 - 20.0	60	50	M12	65	ER32	0.46
40	SK40-ER11-70	P2527006	0.5 - 7.0	70	19	M6	45	ER11	0.90
	SK40-ER11-100	P2527027	0.5 - 7.0	100	19	M6	45	ER11	0.95
	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-ER16-130	P2527028	0.5 - 10.0	130	28	M10	45	ER16	0.69
	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-ER20-130	P2527030	0.5 - 13.0	130	34	M12	50	ER20	0.80
	SK40-ER20-160	P2527031	0.5 - 13.0	160	34	M12	50	ER20	1.00
	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-ER25-130	P2527032	1.0 - 16.0	130	42	M12	65	ER25	1.14
	SK40-ER25-160	P2527033	1.0 - 16.0	160	42	M12	65	ER25	1.44
	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-ER32-130	P2527034	1.0 - 20.0	130	50	M12	65	ER32	1.21
	SK40-ER32-160	P2527035	1.0 - 20.0	160	50	M12	65	ER32	1.54
	SK40-ER40-80	P2527011	2.0 - 30.0	80	63	M12	69	ER40	0.65
	SK40-ER40-100	P2527036	2.0 - 30.0	100	63	M12	69	ER40	0.90
	SK40-ER40-130	P2527037	2.0 - 30.0	130	63	M12	69	ER40	1.34
	SK40-ER40-160	P2527038	2.0 - 30.0	160	63	M12	69	ER40	1.77

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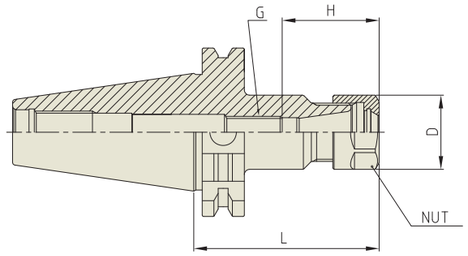
▶ CAT(ASME B5.50) taper and Inch type products are available.
▶ For applicable ER collet, please refer to page D296~D304.
▶ For applicable ER nut, Sealing disk and Spanner, please refer to page D305~D309.

ER COLLET CHUCK

ER

ER COLLET CHUCK

SPANN FUTTER -ER
MANDRIN À PINCES - ER
MANDRINO PORTA PINZE - ER
PORTAPINZAS - 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)
50	SK50-ER16-70	P2527012	0.5 - 10.0	70	28	M10	45	ER16	2.71
	SK50-ER16-100	P2527022	0.5 - 10.0	100	28	M10	45	ER16	2.82
	SK50-ER16-130	P2527039	0.5 - 10.0	130	28	M10	45	ER16	2.92
	SK50-ER16-160	P2527040	0.5 - 10.0	160	28	M10	45	ER16	3.01
	SK50-ER20-70	P2776423	0.5 - 13.0	70	34	M12	50	ER20	2.78
	SK50-ER20-100	P2527023	0.5 - 13.0	100	34	M12	40.5	ER20	2.88
	SK50-ER20-130	P2527041	0.5 - 13.0	130	34	M12	50	ER20	3.02
	SK50-ER20-160	P2527042	0.5 - 13.0	160	34	M12	50	ER20	3.16
	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-ER25-130	P2527043	1.0 - 16.0	130	42	M12	65	ER25	3.32
	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-ER32-130	P2527045	1.0 - 20.0	130	50	M12	65	ER32	3.67
	SK50-ER32-160	P2527046	1.0 - 20.0	160	50	M12	65	ER32	4.06
	SK50-ER40-80	P2527016	2.0 - 30.0	80	63	M12	75	ER40	3.10
	SK50-ER40-100	P2527026	2.0 - 30.0	100	63	M12	75	ER40	3.56
	SK50-ER40-130	P2527047	2.0 - 30.0	130	63	M12	75	ER40	4.22
	SK50-ER40-160	P2527048	2.0 - 30.0	160	63	M12	75	ER40	4.88

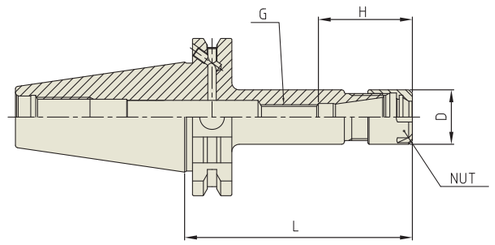
- ▶ CAT(ASME B5.50) taper and Inch type products are available.
- ▶ For applicable ER collet, please refer to page D296~D304.
- ▶ For applicable ER nut, Sealing disk and Spanner, please refer to page D305~D309.

ER COLLET CHUCK

ER

ER COLLET CHUCK (SLIM)

SPANN FUTTER -ER
MANDRIN À PINCES - ER
MANDRINO PORTA PINZE - ER
PORTAPINZAS - 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-ER11M-100	P2802640	0.5 - 7.0	100	16	M6	29.5	ER11M / ER11	-
	SK40AD/B-ER11M-130	P2802641	0.5 - 7.0	130	16	M6	29.5	ER11M / ER11	-
	SK40AD/B-ER11M-160	P2802642	0.5 - 7.0	160	16	M6	29.5	ER11M / ER11	-
	SK40AD/B-ER16M-100	P2802643	0.5 - 10.0	100	22	M10	38	ER16M / ER16	-
	SK40AD/B-ER16M-130	P2802644	0.5 - 10.0	130	22	M10	38	ER16M / ER16	-
	SK40AD/B-ER16M-160	P2802645	0.5 - 10.0	160	22	M10	38	ER16M / ER16	-
	SK40AD/B-ER20M-100	P2802646	0.5 - 13.0	100	28	M12	44.5	ER20M / ER20	-
	SK40AD/B-ER20M-130	P2802647	0.5 - 13.0	130	28	M12	44.5	ER20M / ER20	-
	SK40AD/B-ER20M-160	P2802648	0.5 - 13.0	160	28	M12	44.5	ER20M / ER20	-
	SK40AD/B-ER25M-100	P2802649	0.5 - 16.0	100	35	M12	52	ER25M / ER25	-
	SK40AD/B-ER25M-130	P2802650	0.5 - 16.0	130	35	M12	52	ER25M / ER25	-
	SK40AD/B-ER25M-160	P2802651	0.5 - 16.0	160	35	M12	52	ER25M / ER25	-
50	SK50AD/B-ER16M-100	P2802652	0.5 - 10.0	100	22	M10	38	ER16M / ER16	-
	SK50AD/B-ER16M-130	P2802653	0.5 - 10.0	130	22	M10	38	ER16M / ER16	-
	SK50AD/B-ER16M-160	P2802654	0.5 - 10.0	160	22	M10	38	ER16M / ER16	-
	SK50AD/B-ER20M-100	P2802655	0.5 - 13.0	100	28	M12	44.5	ER20M / ER20	-
	SK50AD/B-ER20M-130	P2802656	0.5 - 13.0	130	28	M12	44.5	ER20M / ER20	-
	SK50AD/B-ER20M-160	P2802657	0.5 - 13.0	160	28	M12	44.5	ER20M / ER20	-
	SK50AD/B-ER25M-100	P2802658	0.5 - 16.0	100	35	M12	52	ER25M / ER25	-
	SK50AD/B-ER25M-130	P2802659	0.5 - 16.0	130	35	M12	52	ER25M / ER25	-
	SK50AD/B-ER25M-160	P2802660	0.5 - 16.0	160	35	M12	52	ER25M / ER25	-

- ▶ CAT(ASME B5.50) taper and Inch type products are available.
- ▶ Balancing grade G2.5 at 25,000RPM or U max. < 1gmm.
- ▶ For applicable ER collet, please refer to page D296~D304.
- ▶ For applicable ER nut, Sealing disk and Spanner, please refer to page D307 & D309.

TOOLING SYSTEM

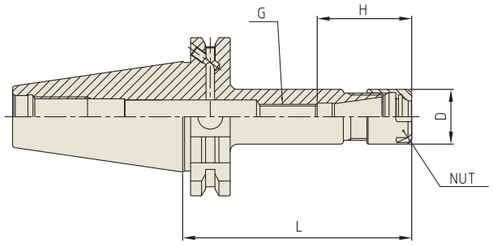
SK (DIN 69871)
CBT (BT DUAL CONTACT)
BT (JIS B6339/ MAS 403)
HSK (DIN 69893/ ISO 12164)
STRAIGHT
ISO, NT, MTA/MTB, GOST
TOOL HOLDER SET
BORING SYSTEM
ACCESSORY & PARTS

ER COLLET CHUCK

ER

ER COLLET CHUCK (SLIM)

SPANN FUTTER -ER
MANDRIN À PINCES - ER
MANDRINO PORTA PINZE - ER
PORTAPINZAS - ER



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-ER11M-100	P2802661	0.5 - 7.0	100	16	M6	29.5	ER11M / ER11	-
	SK40AD/B-ER11M-130	P2802662	0.5 - 7.0	130	16	M6	29.5	ER11M / ER11	-
	SK40AD/B-ER11M-160	P2802663	0.5 - 7.0	160	16	M6	29.5	ER11M / ER11	-
	SK40AD/B-ER16M-100	P2802664	0.5 - 10.0	100	22	M10	38	ER16M / ER16	-
	SK40AD/B-ER16M-130	P2802665	0.5 - 10.0	130	22	M10	38	ER16M / ER16	-
	SK40AD/B-ER16M-160	P2802666	0.5 - 10.0	160	22	M10	38	ER16M / ER16	-
	SK40AD/B-ER20M-100	P2802667	0.5 - 13.0	100	28	M12	44.5	ER20M / ER20	-
	SK40AD/B-ER20M-130	P2802668	0.5 - 13.0	130	28	M12	44.5	ER20M / ER20	-
	SK40AD/B-ER20M-160	P2802669	0.5 - 13.0	160	28	M12	44.5	ER20M / ER20	-
	SK40AD/B-ER25M-100	P2802670	0.5 - 16.0	100	35	M12	52	ER25M / ER25	-
	SK40AD/B-ER25M-130	P2802671	0.5 - 16.0	130	35	M12	52	ER25M / ER25	-
	SK40AD/B-ER25M-160	P2802672	0.5 - 16.0	160	35	M12	52	ER25M / ER25	-
50	SK50AD/B-ER16M-100	P2802673	0.5 - 10.0	100	22	M10	38	ER16M / ER16	-
	SK50AD/B-ER16M-130	P2802674	0.5 - 10.0	130	22	M10	38	ER16M / ER16	-
	SK50AD/B-ER16M-160	P2802675	0.5 - 10.0	160	22	M10	38	ER16M / ER16	-
	SK50AD/B-ER20M-100	P2802676	0.5 - 13.0	100	28	M12	44.5	ER20M / ER20	-
	SK50AD/B-ER20M-130	P2802677	0.5 - 13.0	130	28	M12	44.5	ER20M / ER20	-
	SK50AD/B-ER20M-160	P2802678	0.5 - 13.0	160	28	M12	44.5	ER20M / ER20	-
	SK50AD/B-ER25M-100	P2802679	0.5 - 16.0	100	35	M12	52	ER25M / ER25	-
	SK50AD/B-ER25M-130	P2802680	0.5 - 16.0	130	35	M12	52	ER25M / ER25	-
	SK50AD/B-ER25M-160	P2802681	0.5 - 16.0	160	35	M12	52	ER25M / ER25	-

▶ CAT(ASME B5.50) taper and Inch type products are available.
▶ For applicable ER collet, please refer to page D296~D304.
▶ For applicable ER nut, Sealing disk and Spanner, please refer to page D307 & D309.

END MILL HOLDER

EMH

END MILL HOLDER (SHORT TYPE)

FRÄSERFUTTER UND FLÄCHENSPANNFUTTER
MANDRIN PORTE FRAISE À QUEUE CYLINDRIQUE, À MÉPLAT
MANDRINI PORTA FRESA TIPO WELDON
PORTAFRESAS Y EJES DE SUJECCION LATERAL

FIG.1

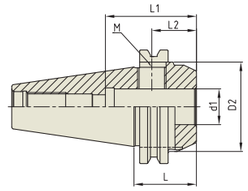
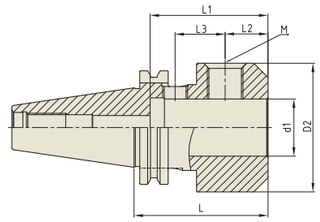


FIG.2



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

Unit : mm

TAPER No.	MODEL No.	EDP No.	d1	D2	L	L1	L2	L3	M	FIG.	WEIGHT (Kg)
40	SK40-EMH16-35	P2521001	16	48	35	51	24	-	M14	1	0.80
	SK40-EMH20-35	P2521027	20	50	35	51	25	-	M16	1	0.90
	SK40-EMH25-60	P2521003	25	50	60	59	24	25	M18 / M14	2	1.20
	SK40-EMH32-75	P2521030	32	72	75	66	24	28	M20 / M14	2	1.80
50	SK50-EMH25-60	P2521031	25	65	60	60	23.5	25.4	M18 / M14	2	3.35
	SK50-EMH32-60	P2521032	32	72	60	63	24	24.9	M20 / M14	2	3.50

▶ CAT(ASME B5.50) taper and Inch type products are available.

TOOLING SYSTEM

SK (DIN 69871)
CBT (BT DUAL CONTACT)
BT (JIS B6339/ MAS 403)
HSK (DIN 69893/ ISO 12164)
STRAIGHT
ISO, NT, MTA/MTB, GOST
TOOL HOLDER SET
BORING SYSTEM
ACCESSORY & PARTS

END MILL HOLDER

EMH

END MILL HOLDER

FRÄSERFUTTER UND FLÄCHENSPANNFUTTER
MANDRIN PORTE FRAISE À QUEUE CYLINDRIQUE, À MÉPLAT
MANDRINI PORTA FRESA TIPO WELDON
PORTAFRESAS Y EJES DE SUJECCION LATERAL

FIG.1

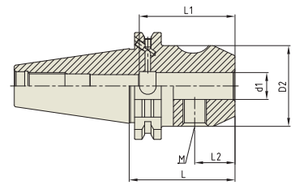
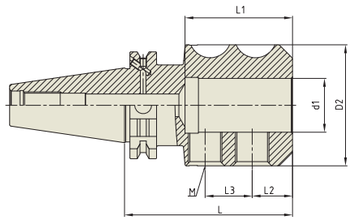


FIG.2



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

Unit : mm

TAPER No.	MODEL No.	EDP No.	d1	D2	L	L1	L2	L3	M	FIG.	WEIGHT (Kg)
30	SK30-EMH6-50	P2779025A	6	25	50	35	18	-	M6	1	0.73
	SK30-EMH8-50	P2779026A	8	28	50	35	18	-	M8	1	0.83
	SK30-EMH10-50	P2779027A	10	35	50	42	20	-	M10	1	0.90
	SK30-EMH12-50	P2779028A	12	42	50	47	22.5	-	M12	1	0.90
	SK30-EMH16-63	P2779029A	16	48	63	50	24	-	M14	1	1.10
40	SK40AD/B-EMH6-50	P2779030	6	25	50	35	18	-	M6	1	0.86
	SK40AD/B-EMH8-50	P2779031	8	28	50	35	18	-	M8	1	0.89
	SK40AD/B-EMH10-50	P2779032	10	35	50	39	20	-	M10	1	0.95
	SK40AD/B-EMH12-50	P2779033	12	42	50	46	22.5	-	M12	1	1.03
	SK40AD/B-EMH16-63	P2779034	16	48	63	57	24	-	M14	1	1.26
	SK40AD/B-EMH20-63	P2779035	20	52	63	54	25	-	M16	1	1.28
	SK40AD/B-EMH25-100	P2779036	25	65	100	60	24	25	M18	2	2.28
	SK40AD/B-EMH32-100	P2779037	32	72	100	64	24	28	M20	2	2.50
50	SK50AD/B-EMH6-63	P2779038	6	25	63	35	18	-	M6	1	2.70
	SK50AD/B-EMH8-63	P2779039	8	28	63	35	18	-	M8	1	2.70
	SK50AD/B-EMH10-63	P2779040	10	35	63	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
	SK50AD/B-EMH40-100	P2779046	40	80	100	74	30	32	M20	2	4.77
	SK50AD/B-EMH50-125	P2779047	50	100	125	84	35	35	M24	2	7.03

- ▶ CAT(ASME B5.50) taper and Inch type products are available.
- ▶ Standard End Mill Holder is for a cutting tool with Weldon shank and End Mill Holder for a cutting tool with Whistle notch 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.
- ▶ Balancing grade G2.5 at 25,000RPM or U max. < 1gmm.

END MILL HOLDER

EMH

END MILL HOLDER (COOLANT CHANNEL)

FRÄSERFUTTER UND FLÄCHENSPANNFUTTER
MANDRIN PORTE FRAISE À QUEUE CYLINDRIQUE, À MÉPLAT
MANDRINI PORTA FRESA TIPO WELDON
PORTAFRESAS Y EJES DE SUJECCION LATERAL

FIG.1

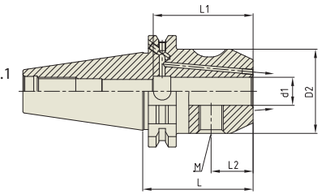
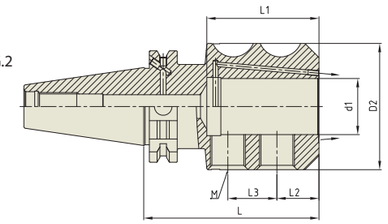


FIG.2



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

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-EMH8C-50	P2779049	8	28	50	35	18	-	M8	1	0.89
	SK40AD/B-EMH10C-50	P2779050	10	35	50	39	20	-	M10	1	0.95
	SK40AD/B-EMH12C-50	P2779051	12	42	50	36	22.5	-	M12	1	1.03
	SK40AD/B-EMH14C-50	P2779052	14	44	50	48	22.5	-	M12	1	1.26
	SK40AD/B-EMH16C-63	P2779053	16	48	63	54	24	-	M14	1	1.28
	SK40AD/B-EMH18C-63	P2779054	18	50	63	54	24	-	M14	1	1.35
	SK40AD/B-EMH20C-63	P2779055	20	52	63	54	25	-	M16	1	1.28
	SK40AD/B-EMH25C-100	P2779056	25	65	100	55	24	25	M18	2	2.28
	SK40AD/B-EMH32C-100	P2779057	32	72	100	69	24	28	M20	2	2.50
50	SK50AD/B-EMH6C-63	P2779058	6	25	63	35	18	-	M6	1	2.70
	SK50AD/B-EMH8C-63	P2779059	8	28	63	35	18	-	M8	1	2.70
	SK50AD/B-EMH10C-63	P2779060	10	35	63	39	20	-	M10	1	2.90
	SK50AD/B-EMH12C-63	P2779061	12	42	63	46	22.5	-	M12	1	2.90
	SK50AD/B-EMH14C-63	P2779062	14	44	63	46	22.5	-	M12	1	2.90
	SK50AD/B-EMH16C-63	P2779063	16	48	63	46	24	-	M14	1	3.00
	SK50AD/B-EMH18C-63	P2779064	18	50	63	46	24	-	M14	1	3.00
	SK50AD/B-EMH20C-63	P2779065	20	52	63	56	25	-	M16	1	3.05
	SK50AD/B-EMH25C-80	P2779066	25	65	80	60	24	25	M18	2	3.73
	SK50AD/B-EMH32C-100	P2779067	32	72	100	64	24	28	M20	2	4.53
	SK50AD/B-EMH40C-120	P2779068	40	80	120	74	30	32	M20	2	4.77
	SK50AD/B-EMH50C-125	P2779069	50	100	125	84	35	35	M24	2	7.03

- ▶ CAT(ASME B5.50) taper and Inch type products are available.
- ▶ Standard End Mill Holder is for a cutting tool with Weldon shank and End Mill Holder for a cutting tool with Whistle notch 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.
- ▶ Balancing grade G2.5 at 25,000RPM or U max. < 1gmm.

TOOLING SYSTEM

SK (DIN 69871)
CBT (BT DUAL CONTACT)
BT (JIS B6339/ MAS 403)
HSK (DIN 69893/ ISO 12164)
STRAIGHT
ISO, NT, MTA/MTB, GOST
TOOL HOLDER SET
BORING SYSTEM
ACCESSORY & PARTS

END MILL HOLDER

EMH

END MILL HOLDER

FRÄSERFUTTER UND FLÄCHENSPANNFUTTER
MANDRIN PORTE FRAISE À QUEUE CYLINDRIQUE, À MÉPLAT
MANDRINI PORTA FRESA TIPO WELDON
PORTAFRESAS Y EJES DE SUJECCION LATERAL

FIG.1

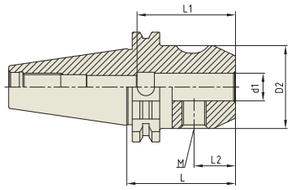
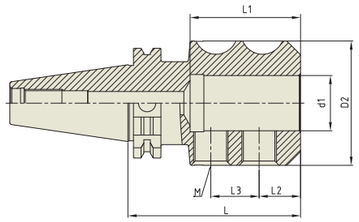


FIG.2



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

Unit : mm

TAPER No.	MODEL No.	EDP No.	d1	D2	L	L1	L2	L3	M	FIG.	WEIGHT (Kg)
30	SK30-EMH6-50	P2779025A	6	25	50	35	18	-	M6	1	0.73
	SK30-EMH8-50	P2779026A	8	28	50	35	18	-	M8	1	0.83
	SK30-EMH10-50	P2779027A	10	35	50	42	20	-	M10	1	0.90
	SK30-EMH12-50	P2779028A	12	42	50	47	22.5	-	M12	1	0.90
	SK30-EMH16-63	P2779029A	16	48	63	50	24	-	M14	1	1.10
40	SK40-EMH6-50	P2779030	6	25	50	35	18	-	M6	1	0.86
	SK40-EMH8-50	P2779031	8	28	50	35	18	-	M8	1	0.89
	SK40-EMH10-50	P2779032	10	35	50	39	20	-	M10	1	0.95
	SK40-EMH12-50	P2779033	12	42	50	46	22.5	-	M12	1	1.03
	SK40-EMH16-63	P2779034	16	48	63	57	24	-	M14	1	1.26
	SK40-EMH20-63	P2779035	20	52	63	54	25	-	M16	1	1.28
	SK40-EMH25-100	P2779036	25	65	100	60	24	25	M18	2	2.28
	SK40-EMH32-100	P2779037	32	72	100	64	24	28	M20	2	2.50
50	SK50-EMH6-63	P2779038	6	25	63	35	18	-	M6	1	2.70
	SK50-EMH8-63	P2779039	8	28	63	35	18	-	M8	1	2.70
	SK50-EMH10-63	P2779040	10	35	63	39	20	-	M10	1	2.90
	SK50-EMH12-63	P2779041	12	42	63	46	22.5	-	M12	1	2.90
	SK50-EMH16-63	P2779042	16	48	63	49	24	-	M14	1	3.00
	SK50-EMH20-63	P2779043	20	52	63	52	25	-	M16	1	3.05
	SK50-EMH25-80	P2779044	25	65	80	60	24	25	M18	2	3.73
	SK50-EMH32-100	P2779045	32	72	100	64	24	28	M20	2	4.53
	SK50-EMH40-100	P2779046	40	80	100	74	30	32	M20	2	4.77
	SK50-EMH50-125	P2779047	50	100	125	84	35	35	M24	2	7.03

▶ CAT(ASME B5.50) taper and Inch type products are available.
▶ Standard End Mill Holder is for a cutting tool with Weldon shank and End Mill Holder for a cutting tool with Whistle notch 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

END MILL HOLDER

FRÄSERFUTTER UND FLÄCHENSPANNFUTTER
MANDRIN PORTE FRAISE À QUEUE CYLINDRIQUE, À MÉPLAT
MANDRINI PORTA FRESA TIPO WELDON
PORTAFRESAS Y EJES DE SUJECCION LATERAL

FIG.1

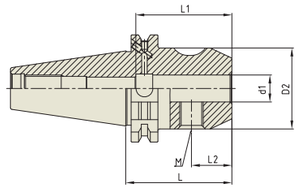
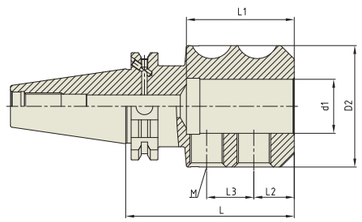


FIG.2



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-EMH6-63	P2531017	6	25	63	35	18	-	M6	1	2.70
	SK50AD/B-EMH8-63	P2531018	8	28	63	35	18	-	M8	1	2.70
	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
	SK50AD/B-EMH50-125	P2531026	50	100	125	84	35	35	M24	2	7.03

▶ CAT(ASME B5.50) taper and Inch type products are available.
▶ Standard End Mill Holder is for a cutting tool with Weldon shank and End Mill Holder for a cutting tool with Whistle notch 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.

TOOLING SYSTEM

SK (DIN 69871)
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BT (JIS B6339/ MAS 403)
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STRAIGHT
ISO, NT, MTA/MTB, GOST
TOOL HOLDER SET
BORING SYSTEM
ACCESSORY & PARTS

END MILL HOLDER

EMH

END MILL HOLDER (COOLANT CHANNEL)

FRÄSERFUTTER UND FLÄCHENSPANNFUTTER
MANDRIN PORTE FRAISE À QUEUE CYLINDRIQUE, À MÉPLAT
MANDRINI PORTA FRESA TIPO WELDON
PORTAFRESAS Y EJES DE SUJECCION LATERAL

FIG.1

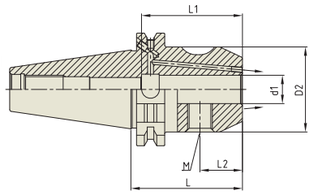
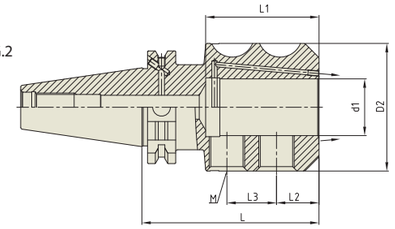


FIG.2



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

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-EMH8C-50	P2779049	8	28	50	35	18	-	M8	1	0.89
	SK40AD/B-EMH10C-50	P2779050	10	35	50	39	20	-	M10	1	0.95
	SK40AD/B-EMH12C-50	P2779051	12	42	50	46	22.5	-	M12	1	1.03
	SK40AD/B-EMH14C-50	P2779052	14	44	50	48	22.5	-	M12	1	1.26
	SK40AD/B-EMH16C-63	P2779053	16	48	63	54	24	-	M14	1	1.28
	SK40AD/B-EMH18C-63	P2779054	18	50	63	54	24	-	M14	1	1.35
	SK40AD/B-EMH20C-63	P2779055	20	52	63	55	25	-	M16	1	1.28
	SK40AD/B-EMH25C-100	P2779056	25	65	100	59	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	63	35	18	-	M6	1	2.70
	SK50AD/B-EMH8C-63	P2779059	8	28	63	35	18	-	M8	1	2.70
	SK50AD/B-EMH10C-63	P2779060	10	35	63	39	20	-	M10	1	2.90
	SK50AD/B-EMH12C-63	P2779061	12	42	63	46	22.5	-	M12	1	2.90
	SK50AD/B-EMH14C-63	P2779062	14	44	63	46	22.5	-	M12	1	2.90
	SK50AD/B-EMH16C-63	P2779063	16	48	63	46	24	-	M14	1	3.00
	SK50AD/B-EMH18C-63	P2779064	18	50	63	46	24	-	M14	1	3.00
	SK50AD/B-EMH20C-63	P2779065	20	52	63	56	25	-	M16	1	3.05
	SK50AD/B-EMH25C-80	P2779066	25	65	80	60	24	25	M18	2	3.73
	SK50AD/B-EMH32C-100	P2779067	32	72	100	64	24	28	M20	2	4.53
	SK50AD/B-EMH40C-120	P2779068	40	80	120	74	30	32	M20	2	4.77
	SK50AD/B-EMH50C-125	P2779069	50	100	125	84	35	35	M24	2	7.03

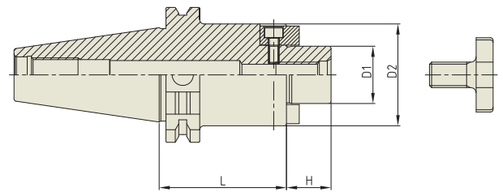
▶ CAT(ASME B5.50) taper and Inch type products are available.
▶ Standard End Mill Holder is for a cutting tool with Weldon shank and End Mill Holder for a cutting tool with Whistle notch is available upon request.
▶ Combi-style Holder with ball jointed clamping screw which can be used with cutting tools with Weldon and Whistle notch shank is available.

SHELL MILL ARBOR

SMA

SHELL MILL ARBOR

AUFNAHMEDORN FÜR FRÄSER MIT BOHRUNG
MANDRIN PORTE-FRAISES
MANDRINO CON TRASCINAMENTO FISSO
PORTA FRESAS



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)
30	SK30-SMA16-50	P2778901	16	32	50	17	M8x16L	0.85
	SK30-SMA22-50	P2778902	22	40	50	19	M10x18L	0.90
	SK30-SMA27-50	P2778903	27	48	50	21	M12x22L	1.03
40	SK40-SMA16-60	P2778904	16	32	60	17	M8x16L	0.35
	SK40-SMA16-120	P2778915	16	32	120	17	M8x16L	1.70
	SK40-SMA22-60	P2778905	22	40	60	19	M10x18L	1.45
	SK40-SMA22-120	P2778916	22	40	120	19	M10x18L	1.80
	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
	SK40-SMA40-60	P2778908	40	70	60	27	M20x30L	3.10
50	SK50-SMA16-75	P2778909	16	32	75	17	M8x16L	2.80
	SK50-SMA16-120	P2778919	16	32	120	17	M8x16L	3.90
	SK50-SMA22-75	P2778910	22	40	75	19	M10x18L	3.10
	SK50-SMA22-120	P2778920	22	40	120	19	M10x18L	4.40
	SK50-SMA27-75	P2778911	27	48	75	21	M12x22L	3.40
	SK50-SMA27-120	P2778921	27	48	120	21	M12x22L	4.70
	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
	SK50-SMA40-120	P2778923	40	70	120	27	M20x30L	6.05
	SK50-SMA50-75	P2778914	50	90	75	30	M24x36L	5.90

▶ CAT(ASME B5.50) taper and Inch type products are available.
▶ For parts, please refer to page D307.

TOOLING SYSTEM

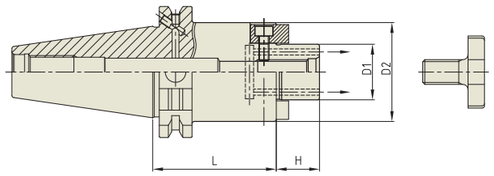
SK (DIN 69871)
CBT (BT DUAL CONTACT)
BT (JIS B6339/ MAS 403)
HSK (DIN 69893/ ISO 12164)
STRAIGHT
ISO, NT, MTA/MTB, GOST
TOOL HOLDER SET
BORING SYSTEM
ACCESSORY & PARTS

SHELL MILL ARBOR

SMA

SHELL MILL ARBOR (COOLANT CHANNEL & SMALL FACE)

AUFNAHMEDORN FÜR FRÄSER MIT BOHRUNG
MANDRIN PORTE-FRAISES
MANDRINO CON TRASCINAMENTO FISSO
PORTA FRESAS



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-44	P2803003C	22	40	44	19	M10x18L	1.03
	SK40AD/B-SMA22C-100	P2803004C	22	40	100	19	M10x18L	1.60
	SK40AD/B-SMA22C-120	P2801016C	22	40	120	19	M10x18L	1.90
	SK40AD/B-SMA27C-44	P2803006C	27	48	44	21	M12x22L	1.16
	SK40AD/B-SMA27C-100	P2803007C	27	48	100	21	M12x22L	1.97
	SK40AD/B-SMA27C-120	P2801017C	27	48	120	21	M12x22L	2.23
	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	P2803011C	40	70	60	27	M20x30L	1.83
	SK40AD/B-SMA40C-120	P2803012C	40	70	120	27	M20x30L	2.10
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-44	P2803015C	22	40	44	19	M10x18L	2.84
	SK50AD/B-SMA22C-75	P2801010C	22	40	75	19	M10x18L	3.10
	SK50AD/B-SMA22C-100	P2803017C	22	40	100	19	M10x18L	3.37
	SK50AD/B-SMA22C-120	P2801020C	22	40	120	19	M10x18L	3.60
	SK50AD/B-SMA22C-160	P2803019C	22	40	160	19	M10x18L	3.93
	SK50AD/B-SMA27C-75	P2801011C	27	48	75	21	M12x22L	3.40
	SK50AD/B-SMA27C-100	P2803021C	27	48	100	21	M12x22L	3.74
	SK50AD/B-SMA27C-120	P2801021C	27	48	120	21	M12x22L	4.00
	SK50AD/B-SMA27C-160	P2803023C	27	48	160	21	M12x22L	4.42
	SK50AD/B-SMA32C-75	P2801012C	32	58	75	24	M16x26L	3.80
	SK50AD/B-SMA32C-100	P2803025C	32	58	100	24	M16x26L	4.28
	SK50AD/B-SMA32C-120	P2801022C	32	58	120	24	M16x26L	4.40
	SK50AD/B-SMA32C-160	P2803027C	32	58	160	24	M16x26L	5.45
	SK50AD/B-SMA40C-75	P2801013C	40	70	75	27	M20x30L	4.50
	SK50AD/B-SMA40C-100	P2803029C	40	70	100	27	M20x30L	5.11
	SK50AD/B-SMA40C-120	P2801023C	40	70	120	27	M20x30L	5.30
	SK50AD/B-SMA40C-160	P2803031C	40	70	160	27	M20x30L	6.78

▶ CAT(ASME B5.50) taper and Inch type products are available.
▶ With "Coolant Through" by coolant channels.
▶ For parts, please refer to page D311.

TOOLING SYSTEM

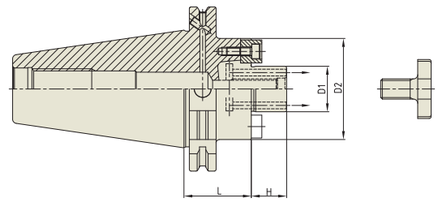
SK (DIN 69871)
CBT (BT DUAL CONTACT)
BT (JIS B6339/ MAS 403)
HSK (DIN 69893/ ISO 12164)
STRAIGHT
ISO, NT, MTA/MTB, GOST
TOOL HOLDER SET
BORING SYSTEM
ACCESSORY & PARTS

SHELL MILL ARBOR

SMA

SHELL MILL ARBOR (COOLANT CHANNEL & LARGE FACE)

AUFNAHMEDORN FÜR FRÄSER MIT BOHRUNG
MANDRIN PORTE-FRAISES
MANDRINO CON TRASCINAMENTO FISSO
PORTA FRESAS



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-SMA16CE-35	P2803101CE	16	38	35	17	M8x16L	0.94
	SK40AD/B-SMA16CE-100	P2803102CE	16	38	100	17	M8x16L	1.50
	SK40AD/B-SMA22CE-35	P2803103CE	22	48	35	19	M10x18L	1.05
	SK40AD/B-SMA22CE-100	P2803104CE	22	48	100	19	M10x18L	1.95
	SK40AD/B-SMA27CE-45	P2803105CE	27	60	45	21	M12x22L	1.33
	SK40AD/B-SMA27CE-100	P2803106CE	27	60	100	21	M12x22L	2.59
	SK40AD/B-SMA32CE-50	P2803107CE	32	78	50	24	M16x26L	1.72
	SK40AD/B-SMA40CE-50	P2803108CE	40	89	50	27	M20x30L	1.99
50	SK50AD/B-SMA16CE-100	P2803109CE	16	38	100	17	M8x16L	3.27
	SK50AD/B-SMA22CE-35	P2803110CE	22	48	35	19	M10x18L	2.83
	SK50AD/B-SMA22CE-100	P2803111CE	22	48	100	19	M10x18L	3.72
	SK50AD/B-SMA22CE-160	P2803112CE	22	48	160	19	M10x18L	4.54
	SK50AD/B-SMA27CE-40	P2803113CE	27	60	40	21	M12x22L	3.09
	SK50AD/B-SMA27CE-100	P2803114CE	27	60	100	21	M12x22L	4.35
	SK50AD/B-SMA27CE-160	P2803115CE	27	60	160	21	M12x22L	5.62
	SK50AD/B-SMA32CE-50	P2803116CE	32	78	50	24	M16x26L	3.82
	SK50AD/B-SMA32CE-100	P2803117CE	32	78	100	24	M16x26L	5.64
	SK50AD/B-SMA32CE-160	P2803118CE	32	78	160	24	M16x26L	7.81
	SK50AD/B-SMA40CE-50	P2803119CE	40	89	50	27	M20x30L	4.27
	SK50AD/B-SMA40CE-100	P2803120CE	40	89	100	27	M20x30L	6.61
	SK50AD/B-SMA40CE-160	P2803121CE	40	89	160	27	M20x30L	9.43

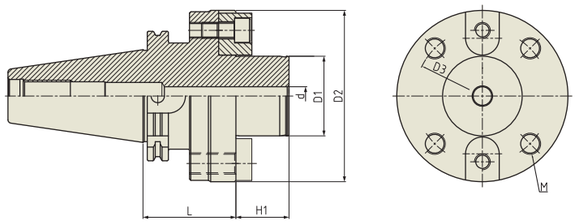
▶ CAT(ASME B5.50) taper and Inch type products are available.
▶ With "Coolant Through" by coolant channels.
▶ For parts, please refer to page D311.

SHELL MILL ARBOR

SMF

SHELL MILL ARBOR (FLANGE MOUNTING)

AUFNAHMEDORN FÜR FRÄSER MIT BOHRUNG
MANDRIN PORTE-FRAISES
MANDRINO CON TRASCINAMENTO FISSO
PORTA FRESAS



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

Unit : mm

TAPER No.	MODEL No.	EDP No.	d	D1	D2	D3	L	H1	M (TAP)	DRIVE KEY & BOLT	WEIGHT (Kg)
50	SK50-SMF40-70	P2524024	14	40	89	66.7	70	30	4-M12	15.9 x 16 x 21.5, M6-15L	-
	SK50-SMF60-70	P2800061	14	60	129	101.6	70	40	4-M16	25.4 x 25.4 x 31.5, M12-25L	-

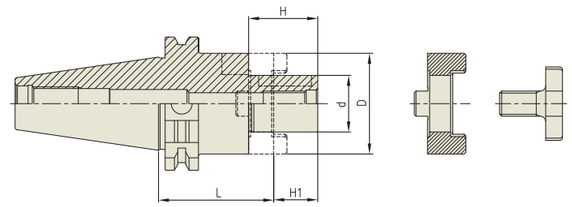
▶ CAT(ASME B5.50) taper and Inch type products are available.

COMBI-SHELL MILL ARBOR

CMA

COMBI-SHELL MILL ARBOR

KOMBI-AUFNAHMEDORN FÜR FRÄSER MIT BOHRUNG
MANDRIN PORTE-FRAISES COMBINÉS
MANDRINO PORTA FRESE
PORTA FRESAS COMBINADO



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

Unit : mm

TAPER No.	MODEL No.	EDP No.	d	L	D	H1	H	WEIGHT (Kg)
30	SK30-CMA16-50	P2524001	16	50	32	17	27	0.58
	SK30-CMA22-50	P2524002	22	50	40	19	31	0.71
	SK30-CMA27-55	P2524003	27	55	48	21	33	0.78
40	SK40-CMA16-55	P2524004	16	55	32	17	27	1.03
	SK40-CMA16-100	P2524015	16	100	32	17	27	1.27
	SK40-CMA22-55	P2524005	22	55	40	19	31	1.17
	SK40-CMA22-100	P2524016	22	100	40	19	31	1.59
	SK40-CMA27-55	P2524006	27	55	48	21	33	1.37
	SK40-CMA27-100	P2524017	27	100	48	21	33	1.94
	SK40-CMA32-60	P2524007	32	60	58	24	38	1.6
	SK40-CMA32-100	P2524018	32	100	58	24	38	2.40
	SK40-CMA40-60	P2524008	40	60	70	27	41	2.31
50	SK50-CMA16-55	P2524009	16	55	32	17	27	2.81
	SK50-CMA16-100	P2524019	16	100	32	17	27	3.07
	SK50-CMA22-55	P2524010	22	55	40	19	31	2.91
	SK50-CMA22-100	P2524020	22	100	40	19	31	3.38
	SK50-CMA27-55	P2524011	27	55	48	21	33	3.15
	SK50-CMA27-100	P2524021	27	100	48	21	33	3.76
	SK50-CMA32-55	P2524012	32	55	58	24	38	3.41
	SK50-CMA32-100	P2524022	32	100	58	24	38	4.23
	SK50-CMA40-55	P2524013	40	55	70	27	41	3.78
	SK50-CMA40-100	P2524023	40	100	70	27	41	5.06
	SK50-CMA50-70	P2524014	50	70	90	30	46	5.35

▶ CAT(ASME B5.50) taper and Inch type products are available.
▶ For parts, please refer to page D312.

TOOLING SYSTEM

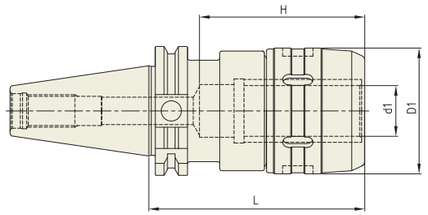
SK (DIN 69871)
CBT (BT DUAL CONTACT)
BT (JIS B6339/ MAS 403)
HSK (DIN 69893/ ISO 12164)
STRAIGHT
ISO, NT, MTA/MTB, GOST
TOOL HOLDER SET
BORING SYSTEM
ACCESSORY & PARTS

POWER MILLING CHUCK

C

HIGH-SPEED POWER MILLING CHUCK

HOCHGESCHWINDIGKEITS FRÄSERFUTTER
MANDRIN PORTE FRAISE À GRANDE VITESSE
MANDRINI PORTA FRESA PER ALTA VELOCITÀ
PORTAHERRAMIENTAS PARA FRESADO DE ALTA VELOCIDAD



DIN 69871-SK | AT3 | 6.3G | 20,000 RPM | AD

Unit : mm

TAPER No.	MODEL No.	EDP No.	d1	D1	L	H	WEIGHT (Kg)
30	SK30-C20-80HS	P2773005	20	54	80	70	1.15
	SK30-C25-80HS	P2773006	25	62	70	80	1.48
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
	SK40-C32-135HS	P2773007	32	72	135	100	3.10
50	SK50-C20-105HS	P2773002	20	54	105	70	3.40
	SK50-C25-105HS	P2773003	25	62	105	80	3.80
	SK50-C32-105HS	P2773004	32	72	105	100	4.30
	SK50-C32-135HS	P2526024	32	72	135	100	4.90
	SK50-C32-165HS	P2526025	32	72	165	100	5.60
	SK50-C42-115HS	P2773008	42	92	115	110	4.60
	SK50-C42-135HS	P2773009	42	92	135	110	5.60
	SK50-C42-165HS	P2773010	42	92	165	110	6.10

▶ CAT(ASME B5.50) taper and Inch type products are available.
▶ Balancing Grade is adjusted on Basic holder only without Clamping Cap.
▶ For applicable collet and spanner, please refer to page D314.

TOOLING SYSTEM

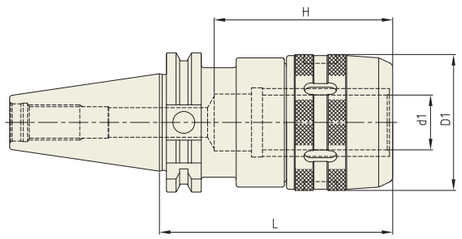
SK (DIN 69871)
CBT (BT DUAL CONTACT)
BT (JIS B6339/ MAS 403)
HSK (DIN 69893/ ISO 12164)
STRAIGHT
ISO, NT, MTA/MTB, GOST
TOOL HOLDER SET
BORING SYSTEM
ACCESSORY & PARTS

POWER MILLING CHUCK

C

POWER MILLING CHUCK

FRÄSERSPANNFUTTER
MANDRIN PORTE FRAISE
MANDRINI PORTA FRESA
PORTAHERRAMIENTAS PARA FRESADO



DIN 69871-SK | AT3 | AD

Unit : mm

TAPER No.	MODEL No.	EDP No.	d1	D1	L	H	WEIGHT (Kg)
30	SK30-C20-80	P2526001	20	54	80	70	1.15
	SK30-C25-80	P2526002	25	62	80	80	1.48
40	SK40-C20-90	P2526003	20	54	90	70	1.60
	SK40-C20-105	P2526008	20	54	105	70	1.77
	SK40-C25-105	P2526009	25	62	105	80	2.01
	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-C20-105	P2526011	20	54	105	70	3.39
	SK50-C25-90	P2526006	25	62	90	80	3.61
	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-C32-135	P2526018	32	72	135	100	4.94
	SK50-C32-165	P2526020	32	72	165	100	5.59
	SK50-C42-115	P2526014	42	92	115	110	4.53
	SK50-C42-135	P2526017	42	92	135	110	5.62
	SK50-C42-165	P2526016	42	92	165	110	6.10

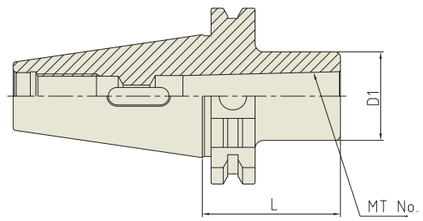
▶ CAT(ASME B5.50) taper and Inch type products are available.
▶ For applicable collet and spanner, please refer to the page D314.

MORSE TAPER ARBOR

MTA

MORSE TAPER ARBOR

EINSATZHÜLSEN FÜR MORSEKEGEL
DOUILLES DE RÉDUCTION CÔNE MORSE
MANDRINO RIDUZIONE CONO MORSE
REDUCTORES A MORSE



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

Unit : mm

TAPER No.	MODEL No.	EDP No.	MT No.	D1	L	WEIGHT (Kg)
30	SK30-MTA1-50	P2522001	1	25	50	0.72
	SK30-MTA2-60	P2522002	2	32	60	0.87
	SK30-MTA3-80	P2522003	3	40	80	1.02
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-MTA1-45	P2522008	1	25	45	2.60
	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

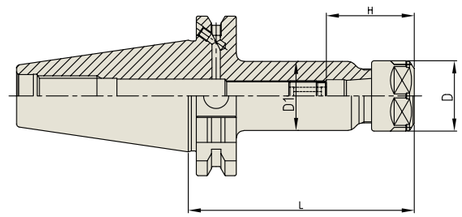
▶ CAT(ASME B5.50) taper and Inch type products are available.

SK SLIM CHUCK

SKA

SK SLIM CHUCK

SK SCHLANKE FUTTER
MANDRIN TYPE SK MINCE
SK MANDRINI SOTTILI
PORTAHERRAMIENTAS SK EJE REDUCIDO



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

Unit : mm

TAPER No.	MODEL No.	EDP No.	CLAMPING RANGE	L	D	D1	H	COLLET	WEIGHT (Kg)
40	SK40AD/B-SKA06-60	P2802901	1.8 - 6.0	60	20	19.5	31	SKC6	-
	SK40AD/B-SKA06-90	P2802902	1.8 - 6.0	90	20	19.5	31	SKC6	-
	SK40AD/B-SKA06-120	P2802903	1.8 - 6.0	120	20	19.5	31	SKC6	-
	SK40AD/B-SKA06-150	P2802904	1.8 - 6.0	150	20	19.5	31	SKC6	-
	SK40AD/B-SKA10-90	P2802905	1.8 - 10.0	90	28	27.5	35	SKC10	-
	SK40AD/B-SKA10-120	P2802906	1.8 - 10.0	120	28	27.5	35	SKC10	-
	SK40AD/B-SKA10-150	P2802907	1.8 - 10.0	150	28	27.5	35	SKC10	-
	SK40AD/B-SKA13-90	P2802908	2.75 - 13.0	90	33	33	43.6	SKC13	-
	SK40AD/B-SKA13-120	P2802909	2.75 - 13.0	120	33	33	43.6	SKC13	-
	SK40AD/B-SKA13-150	P2802910	2.75 - 13.0	150	33	33	43.6	SKC13	-
	SK40AD/B-SKA16-90	P2802911	2.75 - 16.0	90	40	40	52	SKC16	-
	SK40AD/B-SKA16-120	P2802912	2.75 - 16.0	120	40	40	52	SKC16	-
	SK40AD/B-SKA16-150	P2802913	2.75 - 16.0	150	40	40	52	SKC16	-
	SK40AD/B-SKA20-90	P2802914	3.5 - 20.0	90	48.5	48.5	59.6	SKC20	-
	SK40AD/B-SKA20-120	P2802915	3.5 - 20.0	120	48.5	48.5	59.6	SKC20	-
	SK40AD/B-SKA20-150	P2802916	3.5 - 20.0	150	48.5	48.5	59.6	SKC20	-
	SK40AD/B-SKA25-90	P2802917	16.0 - 25.4	90	55	55	63.4	SKC25	-
	SK40AD/B-SKA25-120	P2802918	16.0 - 25.4	120	55	55	63.4	SKC25	-
	SK40AD/B-SKA25-150	P2802919	16.0 - 25.4	150	55	55	63.4	SKC25	-

▶ NEXT PAGE

▶ CAT(ASME B5.50) taper products are available.
▶ Balancing grade G2.5 at 25,000RPM or U max. < 1gmm.
▶ For applicable Collet, Nut and Spanner, please refer to page D315~D317.

TOOLING SYSTEM

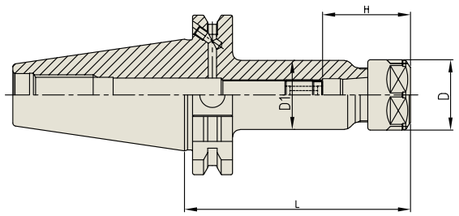
SK (DIN 69871)
CBT (BT DUAL CONTACT)
BT (JIS B6339/ MAS 403)
HSK (DIN 69893/ ISO 12164)
STRAIGHT
ISO, NT, MTA/MTB, GOST
TOOL HOLDER SET
BORING SYSTEM
ACCESSORY & PARTS

SK SLIM CHUCK

SKA

SK SLIM CHUCK

SK SCHLANKE FUTTER
MANDRIN TYPE SK MINCE
SK MANDRINI SOTTILI
PORTAHERRAMIENTAS SK EJE REDUCIDO



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

Unit : mm

TAPER No.	MODEL No.	EDP No.	CLAMPING RANGE	L	D	D1	H	COLLET	WEIGHT (Kg)
50	SK50AD/B-SKA06-105	P2802920	1.8 - 6.0	105	20	19.5	31	SKC6	-
	SK50AD/B-SKA06-135	P2802921	1.8 - 6.0	135	20	19.5	31	SKC6	-
	SK50AD/B-SKA06-165	P2802922	1.8 - 6.0	165	20	19.5	31	SKC6	-
	SK50AD/B-SKA06-195	P2802923	1.8 - 6.0	195	20	19.5	31	SKC6	-
	SK50AD/B-SKA10-105	P2802924	1.75 - 10.0	105	28	27.5	35	SKC10	-
	SK50AD/B-SKA10-135	P2802925	1.75 - 10.0	135	28	27.5	35	SKC10	-
	SK50AD/B-SKA10-165	P2802926	1.75 - 10.0	165	28	27.5	35	SKC10	-
	SK50AD/B-SKA10-195	P2802927	1.75 - 10.0	195	28	27.5	35	SKC10	-
	SK50AD/B-SKA13-105	P2802928	2.75 - 13.0	105	33	33	43.6	SKC13	-
	SK50AD/B-SKA13-135	P2802929	2.75 - 13.0	135	33	33	43.6	SKC13	-
	SK50AD/B-SKA13-165	P2802930	2.75 - 13.0	165	33	33	43.6	SKC13	-
	SK50AD/B-SKA13-195	P2802931	2.75 - 13.0	195	33	33	43.6	SKC13	-
	SK50AD/B-SKA16-105	P2802932	2.75 - 13.0	105	40	40	52	SKC16	-
	SK50AD/B-SKA16-135	P2802933	2.75 - 13.0	135	40	40	52	SKC16	-
	SK50AD/B-SKA16-165	P2802934	2.75 - 13.0	165	40	40	52	SKC16	-
	SK50AD/B-SKA16-195	P2802935	2.75 - 13.0	195	40	40	52	SKC16	-
	SK50AD/B-SKA20-105	P2802936	3.5 - 20.0	105	48.5	48.5	59.6	SKC20	-
	SK50AD/B-SKA20-135	P2802937	3.5 - 20.0	135	48.5	48.5	59.6	SKC20	-
	SK50AD/B-SKA20-165	P2802938	3.5 - 20.0	165	48.5	48.5	59.6	SKC20	-
	SK50AD/B-SKA20-195	P2802939	3.5 - 20.0	195	48.5	48.5	59.6	SKC20	-
	SK50AD/B-SKA25-105	P2802940	16.0 - 25.4	105	55	55	63.4	SKC25	-
	SK50AD/B-SKA25-135	P2802941	16.0 - 25.4	135	55	55	63.4	SKC25	-
	SK50AD/B-SKA25-165	P2802942	16.0 - 25.4	165	55	55	63.4	SKC25	-
	SK50AD/B-SKA25-195	P2802943	16.0 - 25.4	195	55	55	63.4	SKC25	-

▶ CAT(ASME B5.50) taper products are available.
▶ Balancing grade G2.5 at 25,000RPM or U max. < 1gmm.
▶ For applicable Collet, Nut and Spanner, please refer to page D315~D317.

TOOLING SYSTEM

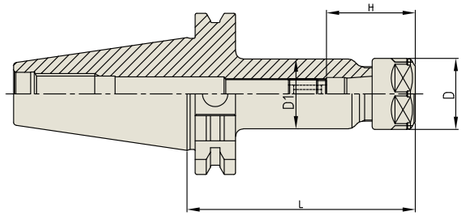
SK (DIN 69871)
CBT (BT DUAL CONTACT)
BT (JIS B6339/ MAS 403)
HSK (DIN 69893/ ISO 12164)
STRAIGHT
ISO, NT, MTA/MTB, GOST
TOOL HOLDER SET
BORING SYSTEM
ACCESSORY & PARTS

SK SLIM CHUCK

SKA

SK SLIM CHUCK

SK SCHLANKE FUTTER
MANDRIN TYPE SK MINCE
SK MANDRINI SOTTILI
PORTAHERRAMIENTAS SK EJE REDUCIDO



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

Unit : mm

TAPER No.	MODEL No.	EDP No.	CLAMPING RANGE	L	D	D1	H	COLLET	WEIGHT (Kg)
30	SK30-SKA06-60	P2802801	1.8 - 6.0	60	20	19.5	31	SKC6	-
	SK30-SKA06-90	P2802802	1.8 - 6.0	90	20	19.5	31	SKC6	-
	SK30-SKA10-60	P2802803	1.75 - 10.0	60	28	27.5	35	SKC10	-
	SK30-SKA10-90	P2802804	1.75 - 10.0	90	28	27.5	35	SKC10	-
	SK30-SKA13-60	P2802805	2.75 - 13.0	60	33	33	43.6	SKC13	-
	SK30-SKA13-90	P2802806	2.75 - 13.0	90	33	33	43.6	SKC13	-
	SK30-SKA16-60	P2802807	2.75 - 16.0	60	40	40	52	SKC16	-
	SK30-SKA16-90	P2802808	2.75 - 16.0	90	40	40	52	SKC16	-
	SK30-SKA20-60	P2802809	3.5 - 20.0	60	48.5	48.5	59.6	SKC20	-
	SK30-SKA20-90	P2802810	3.5 - 20.0	90	48.5	48.5	59.6	SKC20	-
	SK30-SKA25-90	P2802811	16.0 - 25.4	90	55	55	63.4	SKC25	-
40	SK40-SKA06-90	P2802812	1.8 - 6.0	90	20	19.5	31	SKC6	-
	SK40-SKA06-120	P2802813	1.8 - 6.0	120	20	19.5	31	SKC6	-
	SK40-SKA06-150	P2802814	1.8 - 6.0	150	20	19.5	31	SKC6	-
	SK40-SKA10-90	P2802815	1.75 - 10.0	90	28	27.5	35	SKC10	-
	SK40-SKA10-120	P2802816	1.75 - 10.0	120	28	27.5	35	SKC10	-
	SK40-SKA10-150	P2802817	1.75 - 10.0	150	28	27.5	35	SKC10	-
	SK40-SKA13-90	P2802818	2.75 - 13.0	90	33	33	43.6	SKC13	-
	SK40-SKA13-120	P2802819	2.75 - 13.0	120	33	33	43.6	SKC13	-
	SK40-SKA13-150	P2802820	2.75 - 13.0	150	33	33	43.6	SKC13	-
	SK40-SKA16-90	P2802821	2.75 - 16.0	90	40	40	52	SKC16	-
	SK40-SKA16-120	P2802822	2.75 - 16.0	120	40	40	52	SKC16	-
	SK40-SKA16-150	P2802823	2.75 - 16.0	150	40	40	52	SKC16	-
	SK40-SKA20-90	P2802824	3.5 - 20.0	90	48.5	48.5	59.6	SKC20	-
	SK40-SKA20-120	P2802825	3.5 - 20.0	120	48.5	48.5	59.6	SKC20	-
	SK40-SKA20-150	P2802826	3.5 - 20.0	150	48.5	48.5	59.6	SKC20	-
	SK40-SKA25-90	P2802827	16.0 - 25.4	90	55	55	63.4	SKC25	-
	SK40-SKA25-120	P2802828	16.0 - 25.4	120	55	55	63.4	SKC25	-
	SK40-SKA25-150	P2802829	16.0 - 25.4	150	55	55	63.4	SKC25	-

▶ CAT(ASME B5.50) taper products are available.
▶ For applicable Collet, Nut and Spanner, please refer to page D315~D317.

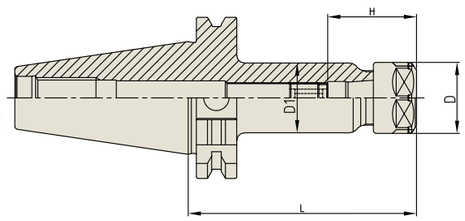
▶ NEXT PAGE

SK SLIM CHUCK

SKA

SK SLIM CHUCK

SK SCHLANKE FUTTER
MANDRIN TYPE SK MINCE
SK MANDRINI SOTTILI
PORTAHERRAMIENTAS SK EJE REDUCIDO



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

Unit : mm

TAPER No.	MODEL No.	EDP No.	CLAMPING RANGE	L	D	D1	H	COLLET	WEIGHT (Kg)
50	SK50-SKA06-105	P2802830	1.8 - 6.0	105	20	19.5	31	SKC6	-
	SK50-SKA06-135	P2802831	1.8 - 6.0	135	20	19.5	31	SKC6	-
	SK50-SKA06-165	P2802832	1.8 - 6.0	165	20	19.5	31	SKC6	-
	SK50-SKA06-195	P2802833	1.8 - 6.0	195	20	19.5	31	SKC6	-
	SK50-SKA10-105	P2802834	1.75 - 10.0	105	28	27.5	35	SKC10	-
	SK50-SKA10-135	P2802835	1.75 - 10.0	135	28	27.5	35	SKC10	-
	SK50-SKA10-165	P2802836	1.75 - 10.0	165	28	27.5	35	SKC10	-
	SK50-SKA10-195	P2802837	1.75 - 10.0	195	28	27.5	35	SKC10	-
	SK50-SKA13-105	P2802838	2.75 - 13.0	105	33	33	43.6	SKC13	-
	SK50-SKA13-135	P2802839	2.75 - 13.0	135	33	33	43.6	SKC13	-
	SK50-SKA13-165	P2802840	2.75 - 13.0	165	33	33	43.6	SKC13	-
	SK50-SKA13-195	P2802841	2.75 - 13.0	195	33	33	43.6	SKC13	-
	SK50-SKA16-105	P2802842	2.75 - 16.0	105	40	40	52	SKC16	-
	SK50-SKA16-135	P2802843	2.75 - 16.0	135	40	40	52	SKC16	-
	SK50-SKA16-165	P2802844	2.75 - 16.0	165	40	40	52	SKC16	-
	SK50-SKA16-195	P2802845	2.75 - 16.0	195	40	40	52	SKC16	-
	SK50-SKA20-105	P2802846	3.5 - 20.0	105	48.5	48.5	59.6	SKC20	-
	SK50-SKA20-135	P2802847	3.5 - 20.0	135	48.5	48.5	59.6	SKC20	-
	SK50-SKA20-165	P2802848	3.5 - 20.0	165	48.5	48.5	59.6	SKC20	-
	SK50-SKA20-195	P2802849	3.5 - 20.0	195	48.5	48.5	59.6	SKC20	-
	SK50-SKA25-105	P2802850	16.0 - 25.4	105	55	55	63.4	SKC25	-
	SK50-SKA25-135	P2802851	16.0 - 25.4	135	55	55	63.4	SKC25	-
	SK50-SKA25-165	P2802852	16.0 - 25.4	165	55	55	63.4	SKC25	-
	SK50-SKA25-195	P2802853	16.0 - 25.4	195	55	55	63.4	SKC25	-

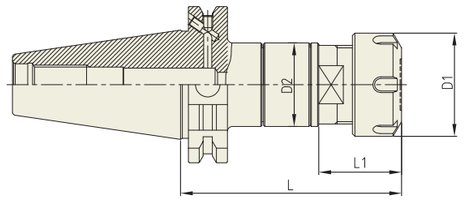
▶ CAT(ASME B5.50) taper products are available.
▶ For applicable Collet, Nut and Spanner, please refer to page D315~D317.

SYNCHRO TAPPING CHUCK

SYTER

SYNCHRO TAPPING CHUCK (ER TYPE)

SK SCHLANKE FUTTER
MANDRIN TYPE SK MINCE
SK MANDRINI SOTTILI
PORTAHERRAMIENTAS SK EJE REDUCIDO



DIN 69871-SK | AT3 | AD/B

Unit : mm

TAPER No.	MODEL No.	EDP No.	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-SYTER12-79	P2773706	M3-M12	ER16	28	34	79	24	±0.2	2.83
	SK50AD/B-SYTER16-85	P2773707	M3-M16	ER20	34	34	85	27	±0.2	2.86
	SK50AD/B-SYTER20-90	P2773708	M3-M20	ER25	42	34	90	34	±0.2	2.87
	SK50AD/B-SYTER27-100	P2773709	M4-M27	ER32	50	45	100	31	±0.2	3.04
	SK50AD/B-SYTER33-105	P2773710	M4-M33	ER40	63	62	105	35	±0.2	3.93

▶ 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.

▶ CAT(ASME B5.50) taper and Inch type products are available.
▶ ER collet of page D296~D302, and Tap ER collet of page D303~D304 are applicable.

TOOLING SYSTEM

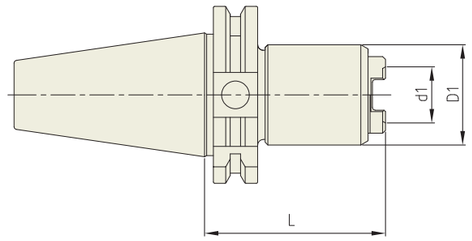
SK (DIN 69871)
CBT (BT DUAL CONTACT)
BT (JIS B6339/ MAS 403)
HSK (DIN 69893/ ISO 12164)
STRAIGHT
ISO, NT, MTA/MTB, GOST
TOOL HOLDER SET
BORING SYSTEM
ACCESSORY & PARTS

SYNCHRO TAPPING CHUCK

SYTC

SYNCHRO TAPPING CHUCK (QUICK CHANGE TYPE)

SYNCHRO GEWINDESCHNEID-SCHNELLWECHSELFUTTER
SYNCHRO TARAUDER À CHANGEMENT RAPIDE
SINCRO MANDRINO PER MASCHIARE
SINCRO PORTAMACHOS DE CAMBIO RAPIDO



DIN 69871-SK | AT3 | A

Unit : mm

TAPER No.	MODEL No.	EDP No.	TAP SIZE	TAP ADAPTOR	d1	D1	L	WEIGHT (Kg)
30	SK30-SYTC12-65	P2774207	M3-M12	TCS12	19	36	65	0.50
	SK30-SYTC20-89	P2774208	M6-M24	TCS24	31	50	89	1.00
40	SK40-SYTC12-65	P2774201	M3-M12	TCS12	19	36	65	1.10
	SK40-SYTC20-79	P2774202	M6-M24	TCS24	31	50	79	1.50
	SK40-SYTC33-115	P2774203	M18-M38	TCS38	48	74	115	3.30
50	SK50-SYTC12-65	P2774204	M3-M12	TCS12	19	36	65	3.00
	SK50-SYTC20-79	P2774205	M6-M24	TCS24	31	50	79	3.30
	SK50-SYTC33-115	P2774206	M18-M38	TCS38	48	74	115	5.20

▶ 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.

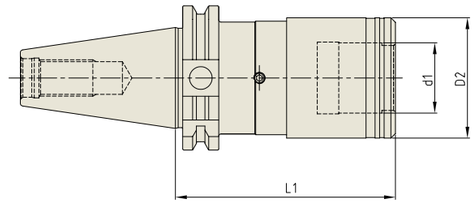
▶ CAT(ASME B5.50) taper and Inch type products are available.
▶ For applicable Tap Adaptor, please refer to the page D318~D319.

ONE STEP TAPPING CHUCK

OTC

ONE STEP TAPPING CHUCK

GEWINDE-SCHNELLWECHSELFUTTER
MANDRIN DE TARAUDAGE À CHANGEMENT RAPIDE
PORTAMASCHI A CAMBIO RAPIDO
MANDRINO DE CAMBIO RÁPIDO CON ROSCA



DIN 69871-SK | AT3 | A

Unit : mm

TAPER No.	MODEL No.	EDP No.	d1	D2	L1	LENGTH COMPENSATION		WEIGHT (Kg)
						Compression	Tension	
40	SK40-OTC-M3-M12-59.5	P2802351	19	36	59	7.5	7.5	1.10
	SK40-OTC-M8-M20-97	P2802352	31	53	97	12.5	12.5	1.50
	SK40-OTC-M14-M36-149	P2802353	48	78	149	20	20	3.30
50	SK50-OTC-M3-M12-59	P2802354	19	36	59	7.5	7.5	3.00
	SK50-OTC-M8-M20-83	P2802355	31	53	83	12.5	12.5	3.30
	SK50-OTC-M14-M36-138	P2802356	48	78	138	20	20	5.20

▶ CAT(ASME B5.50) taper and Inch type products are available.
▶ For applicable Tap Adaptor, please refer to the page D318~D319.

TOOLING SYSTEM

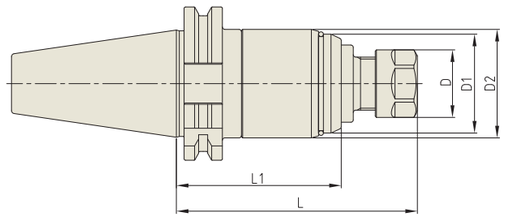
SK (DIN 69871)
CBT (BT DUAL CONTACT)
BT (JIS B6339/ MAS 403)
HSK (DIN 69893/ ISO 12164)
STRAIGHT
ISO, NT, MTA/MTB, GOST
TOOL HOLDER SET
BORING SYSTEM
ACCESSORY & PARTS

TAPPING ER CHUCK

TER

TAPPING ER CHUCK

ER - GEWINDESCHNEIDFUTTER
MANDRIN DE TARAUDAGE PINCE ER
MANDRINI PORTAPINZA ER PER MASCHIATURA
PORTAPINZAS ER PARA MACHOS



DIN 69871-SK AT3 A

Unit : mm

TAPER No.	MODEL No.	EDP No.	D	D1	D2	L	L1	NUT / COLLET	WEIGHT (Kg)
40	SK40-TER16-100	P2774001	28	41	45	100	68.4	ER16	1.65
	SK40-TER16-150	P2774002	28	41	45	150	118.4	ER16	1.85
	SK40-TER32-130	P2774003	50	58	63	130	92	ER32	2.10
	SK40-TER32-150	P2774004	50	58	63	150	112	ER32	2.30
50	SK50-TER16-115	P2774005	28	41	45	115	79.4	ER16	4.30
	SK50-TER16-150	P2774006	28	41	45	150	114.4	ER16	4.50
	SK50-TER32-120	P2774007	50	58	63	120	83	ER32	4.65
	SK50-TER32-150	P2774008	50	58	63	150	113	ER32	4.85

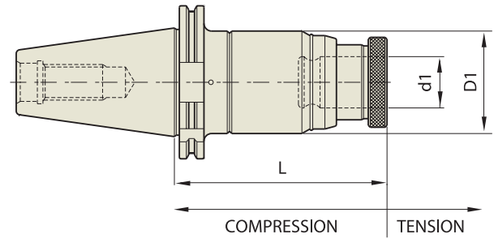
▶ CAT(ASME B5.50) taper and Inch type products are available.
▶ ER collet of page D296~D302, and Tap ER collet of page D303~D304 are applicable.

TAPPING CHUCK

TC

TAPPING CHUCK

GEWINDESCHNEID - SCHNELLWECHSELFUTTER
TARAUDER À CHANGEMENT RAPIDE
MANDRINO PER MASCHIARE
PORTAMACHOS DE CAMBIO RAPIDO



DIN 69871-SK AT3 A

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
	SK40-TC24-142	P2520007	M6-M24	TCS24	5	20	31	63	142	2.80
50	SK50-TC12-130	P2520003	M3-M12	TCS12	5	15	19	45	130	4.30
	SK50-TC12-175	P2520008	M3-M12	TCS12	5	15	19	45	175	5.50
	SK50-TC24-142	P2520004	M6-M24	TCS24	5	20	31	63	142	5.30
	SK50-TC24-187	P2520009	M6-M24	TCS24	5	20	31	63	187	7.80
	SK50-TC38-175	P2520005	M18-M38	TCS38	10	25	48	98	175	7.50

▶ CAT(ASME B5.50) taper and Inch type products are available.
▶ For applicable Tap Adaptor, please refer to page D318~D319.

TOOLING SYSTEM

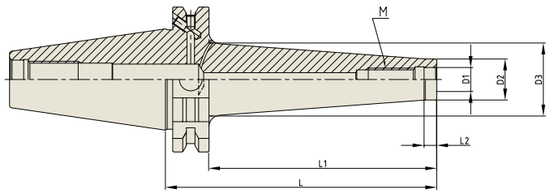
SK (DIN 69871)
CBT (BT DUAL CONTACT)
BT (JIS B6339/ MAS 403)
HSK (DIN 69893/ ISO 12164)
STRAIGHT
ISO, NT, MTA/MTB, GOST
TOOL HOLDER SET
BORING SYSTEM
ACCESSORY & PARTS

COPY MILL ARBOR

M

COPY MILL ARBOR

WERKZEUGAUFNAHME FÜR EINSCHRAUBFRÄSER MIT GEWINDE
MANDRIN POUR FRAISES À QUEUE FILETÉE AVEC FILETAGE
MANDRINO PER FRESE MODULARI FILETTATE
PORTAHERRAMIENTAS PARA FRESAS DE ENROSCAR CON ROSCA



DIN 69871-SK | AT3 | 2.5G | 25,000 RPM | (at 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-M8-25	P2801702	8.5	13	15	44	25	5	0.80
	SK40AD/B-M8-50	P2801703	8.5	13	23	69	50	5	0.86
	SK40AD/B-M8-75	P2801704	8.5	13	23	94	75	5	0.90
	SK40AD/B-M8-100	P2801705	8.5	13	25	119	100	5	0.97
	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-M12-5	P2801712	12.5	21	21	24	5	5	0.77
	SK40AD/B-M12-25	P2801713	12.5	21	24	44	25	5	0.82
	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-M12-150	P2801717	12.5	21	40	169	150	5	1.53
	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-M8-50	P2801724	8.5	13	23	69	50	5	2.69
	SK50AD/B-M10-50	P2801725	10.5	18	23	69	50	5	2.71
	SK50AD/B-M10-100	P2801726	10.5	18	32	119	100	10	2.88
	SK50AD/B-M10-150	P2801727	10.5	18	36.5	169	150	10	3.17
	SK50AD/B-M12-50	P2801728	12.5	21	24	69	50	5	2.67
	SK50AD/B-M12-100	P2801729	12.5	21	33	119	100	10	2.93
	SK50AD/B-M12-150	P2801730	12.5	21	40	169	150	10	3.33
	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

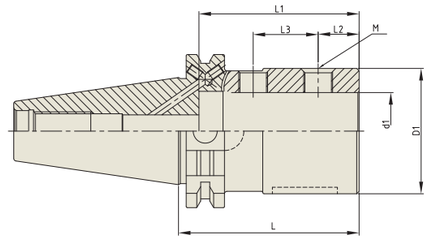
▶ Balancing grade G2.5 at 25,000RPM or U max. < 1gmm.
▶ For the screw-in milling cutters with thread.

INDEXABLE DRILL HOLDER

SL

INDEXABLE DRILL HOLDER

WERKZEUGHALTER FÜR VOLLBOHRER
MANDRIN POUR FORETS À PLAQUETTES
MANDRINO PER PUNTE A INSERTI
SOPORTE PARA HERRAMIENTAS PARA BROCAS DE ACERO MACIZO



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
	SK40AD/B-SL40-115	P2802004	40	60	115	73	22	28	M16	2.10
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
	SK50AD/B-SL40-80	P2802008	40	60	80	77	22	28	M16	3.26

▶ CAT(ASME B5.50) taper and Inch type products are available.
▶ For the indexable drills with parallel shank.

TOOLING SYSTEM

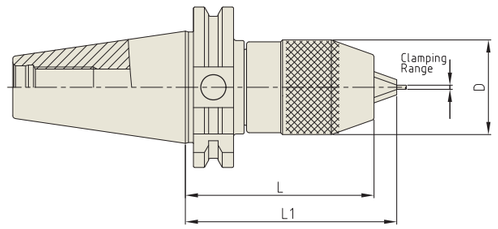
SK (DIN 69871)
CBT (BT DUAL CONTACT)
BT (JIS B6339/ MAS 403)
HSK (DIN 69893/ ISO 12164)
STRAIGHT
ISO, NT, MTA/MTB, GOST
TOOL HOLDER SET
BORING SYSTEM
ACCESSORY & PARTS

NC DRILL CHUCK

NPU

NC DRILL CHUCK (KEYLESS TYPE)

NC - BOHRFUTTER
MANDRIN DE PERÇAGE NC
NC MANDRINI PORTA PUNTE
PORTABROCAS PARA BROCAS NC



DIN 69871-SK | AT3 | A

Unit : mm

TAPER No.	MODEL No.	EDP No.	CLAMPING RANGE	D	L (Min.)	L1 (Max.)	WEIGHT (Kg)
40	SK40-NPU8-80	P2802201	0.3 - 8.0	36.5	80	85.7	-
	SK40-NPU8-110	P2802202	0.3 - 8.0	36.5	110	115.7	-
	SK40-NPU8-150	P2802203	0.3 - 8.0	36.5	150	155.7	-
	SK40-NPU13-95	P2802204	1.0 - 13.0	50	95	105	-
	SK40-NPU13-130	P2802205	1.0 - 13.0	50	130	140	-
	SK40-NPU13-150	P2802206	1.0 - 13.0	50	150	160	-
50	SK50-NPU8-80	P2802207	0.3 - 8.0	36.5	80	85.7	-
	SK50-NPU8-110	P2802208	0.3 - 8.0	36.5	110	115.7	-
	SK50-NPU8-150	P2802209	0.3 - 8.0	36.5	150	155.7	-
	SK50-NPU13-95	P2802210	1.0 - 13.0	50	95	105	-
	SK50-NPU13-130	P2802211	1.0 - 13.0	50	130	140	-
	SK50-NPU13-150	P2802212	1.0 - 13.0	50	150	160	-

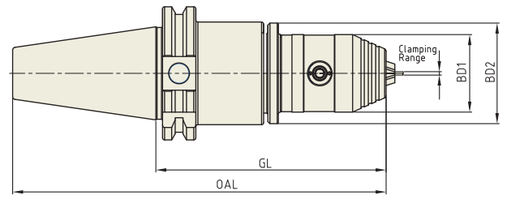
▶ CAT(ASME B5.50) taper and Inch type products are available.
▶ Supplied with hook wrench. (Size NPU 8 : 8S, NPU 13 : 13S)

NC DRILL CHUCK

HKD

NC DRILL CHUCK (HEX. KEY TYPE)

NC - BOHRFUTTER
MANDRIN DE PERÇAGE NC
NC MANDRINI PORTA PUNTE
PORTABROCAS PARA BROCAS NC



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

Unit : mm

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

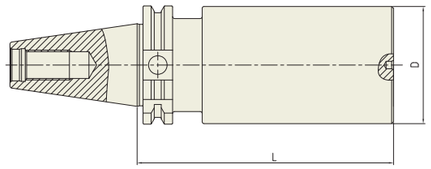
▶ CAT(ASME B5.50) taper and Inch type products are available.
▶ Supplied with hex. wrench. (Size HKD 8 : 4mm, HKD 13 : 6mm)

BLANK BAR

BL

BLANK BAR

BOHRSTANGENROHLING
EBAUCHE DE BARRES D ALÉSAGE
BARRA ALESATRICE GREZZA
PIEZA EN BRUTO PARA BARRAS DE MANDRINAR



DIN 69871-SK | AT3 | A

Unit : mm

TAPER No.	MODEL No.	EDP No.	D	L	WEIGHT(Kg)
40	SK40A-BL63-250	P2779196	63	250	6.18
50	SK50A-BL97-315	P2779197	97	315	18.67

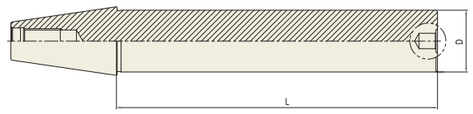
▸ CAT(ASME B5.50) taper and Inch type products are available.

TEST BAR

TB

TEST BAR

KONTROLLDORN
MANDRIN DE CONTRÔLE
MANDRINO DI CONTROLLO
MANDRIL DE CONTROL



DIN 69871-SK | AT3 | ≤3μm | A

Unit : mm

TAPER No.	MODEL No.	EDP No.	D	L	WEIGHT(Kg)
40	SK40A-TB40-300	P2802301	40	300	3.45
50	SK50A-TB50-300	P2803302	50	300	6.44

▸ CAT(ASME B5.50) taper and Inch type products are available.

YG-1 TOOLING SYSTEM

CBT
(BT DUAL CONTACT)

- HYDRAULIC CHUCK
- SHRINK FIT HOLDER
- ER COLLET CHUCK
- END MILL HOLDER (SIDE LOCK ARBOR)
- SHELL MILL ARBOR
- COMBI-SHELL MILL ARBOR
- POWER MILLING CHUCK
- SK SLIM CHUCK
- TAPPING ER CHUCK
- FACE MILL ARBOR
- NC DRILL CHUCK