

SBT CATEGORY

SV/ S EXTERNAL TURNING TOOL HOLDER	D-3
SLT SIDE LOCK HOLDER FOR INTERNAL TURNING BAR	D-4
PRO-E EXCELLENT COLLET CHUCK	D-5~9
UT COLLET CHUCK	D-10~12
ER TOOL HOLDER	D-13~15
ER TOOL HOLDER [M TYPE]	D-16~17
SK3 COLLET CHUCK	D-18~19
USC ULTIMATE SIDE CLAMPING CHUCK	D-20~22
SBL SLIM-FIT COLLET CHUCK	D-23~24
SBLC SLIM-FIT COLLET CHUCK	D-25~26
EBL SLIM-FIT COLLET CHUCK	D-27
EBLC SLIM-FIT COLLET CHUCK	D-28
HBL SLIM-FIT COLLET CHUCK	D-29
SMG NON-PULLOUT MILLING CHUCK	D-30
MLD MULTI-LOCK MILLING CHUCK	D-31~33
SAF RUNOUT ADJUSTABLE HOLDER	D-34~37
SBF RADIAL ZERO ADJUSTABLE HOLDER	D-38
SLN SIDE LOCK END MILL HOLDER	D-39~43
SLN SIDE LOCK END MILL HOLDER [JIS TYPE]	D-44~45
SLN SIDE LOCK END MILL HOLDER [JIS-FID TYPE]	D-46~47
FACE MILL ARBOR [FMA/FMB TYPE]	D-48~53
FACE MILL ARBOR [FMC TYPE]	D-54~56
SMA FACE MILL ARBOR	D-57
STA SYNCHRONIZED TAPPING HOLDER	D-58~60
QTC QUICK CHANGE TAPPING CHUCK	D-61
SCA-C SIDE CUTTER ADAPTER [COOLANT TYPE]	D-62~63
SCA SIDE CUTTER ADAPTER	D-64~65
SOM SCREWED END MILL HOLDER	D-66~67
ADAPTER	D-68
BLANK	D-69

REFERENCE DETAILS

► Taper tolerance < **AT3**

► Hardness > **HRC 56°**

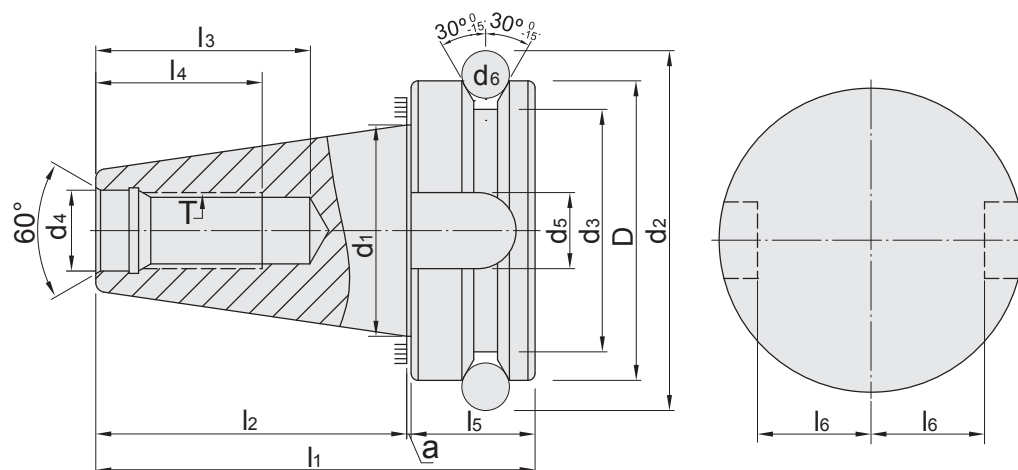
► Surface roughness: Ra < **0.25 μ m**

► Roundness < **0.8 μ m**

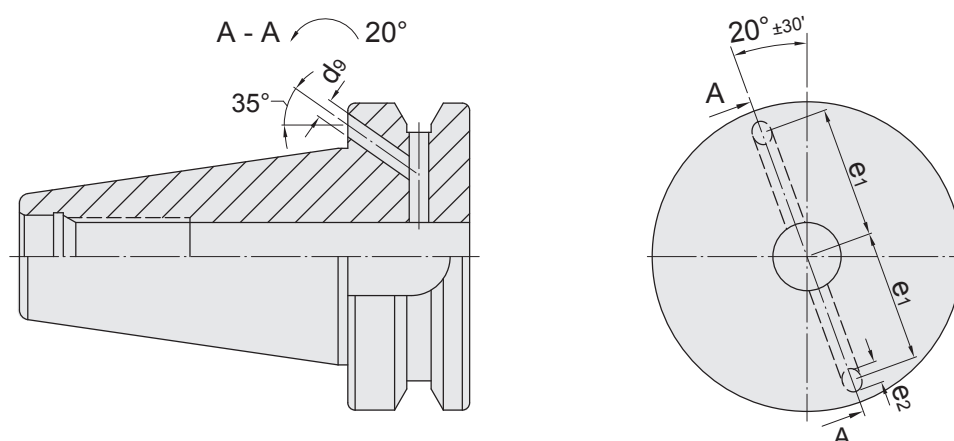
► Carbon depth > **0.8mm**

► The shank has pre-balance at G6.3, and can provide precision balance at G2.5.
It can be ordered by request.

SBT A



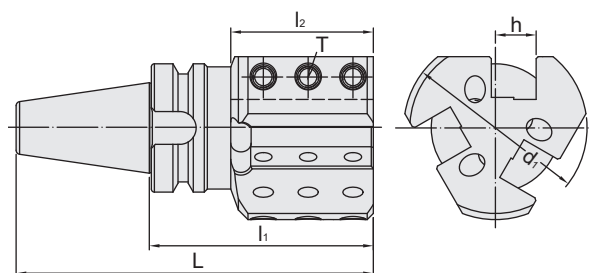
SBT AD+B



SBT	D h8	d ₁	d ₂	d ₃	d ₄ H8	d ₅ H12	d ₆	d ₉ H12	a 0 -0.005
30	46	31.75	56.14	38	12.5	16.1	8	-	1
40	63	44.45	75.679	53	17	16.1	10	4	1
50	100	69.85	119.02	85	25	25.7	15	6	1.5
SBT	l ₁	l ₂ ±0.2	l ₃ min	l ₄ min	l ₅	l ₆ 0 -0.2	e ₁ ±0.1	e ₂ MAX	T 6H
30	70.4	48.4	34	24	21	16	-	-	M12 x 1.75P
40	92.4	65.4	43	30	26	22.6	27	5	M16 x 2.0P
50	139.8	101.8	62	45	36.5	35.4	42	7	M24 x 3.0P

SBT / SV EXTERNAL TURNING TOOL HOLDER

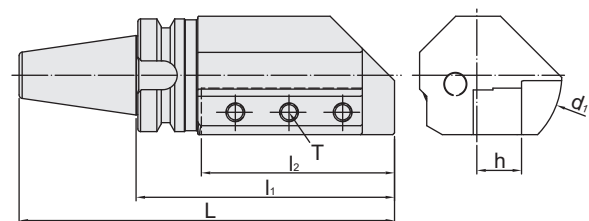
SBT / SV 外徑車刀架



MODEL NO.	TYPE	L	l ₁	l ₂	d ₁	h	T	WEIGHT (KGS)
5026-S47-20R-110	SBT40 x SV20R - 110	175.4	110	70	90	20	M10 x 1.5P	3.4
5026-S47-20L-110	SBT40 x SV20L - 110	175.4	110	70	90	20	M10 x 1.5P	3.4
5027-S47-25R-140	SBT50 x SV25R - 140	241.8	140	90	120	25	M12 x 1.75P	9.5
5027-S47-25L-140	SBT50 x SV25L - 140	241.8	140	90	120	25	M12 x 1.75P	9.5

SBT / S EXTERNAL TURNING TOOL HOLDER

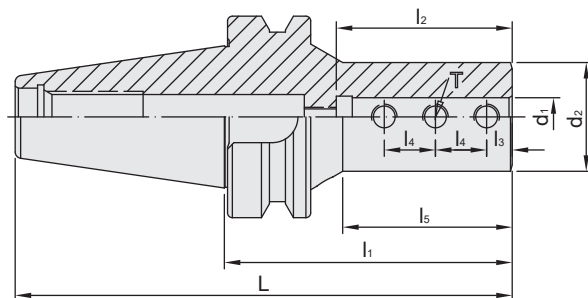
SBT / S 外徑車刀架



MODEL NO.	TYPE	L	l ₁	l ₂	d ₁	h	T	WEIGHT (KGS)
5026-776-20R-110	SBT40 x S20R - 110	175.4	110	70	80	20	M10 x 1.5P	2.8
5026-776-20L-110	SBT40 x S20L - 110	175.4	110	70	80	20	M10 x 1.5P	2.8
5026-776-25R-130	SBT40 x S25R - 130	195.4	130	90	90	25	M12 x 1.75P	3.4
5026-776-25L-130	SBT40 x S25L - 130	195.4	130	90	90	25	M12 x 1.75P	3.4
5027-776-25R-140	SBT50 x S25R - 140	241.8	140	90	120	25	M12 x 1.75P	7.6
5027-776-25L-140	SBT50 x S25L - 140	241.8	140	90	120	25	M12 x 1.75P	7.6

SBT / /SLT SIDE LOCK HOLDER FOR INTERNAL TURNING BAR

SBT / SLT 側固式刀桿[用於內徑車刀]



MODEL NO.	TYPE	L	l ₁	l ₂	l ₃	l ₄	l ₅	d ₁	d ₂	T	WEIGHT (KGS)
5026-797-008-075	SBT40 x SLT8 - 75	140.4	75	40	10	6	40	8	25	M6	1.2
5026-797-010-080	SBT40 x SLT10 - 80	145.4	80	50	12	8	45	10	29	M8	1.3
5026-797-012-090	SBT40 x SLT12 - 90	155.4	90	55	16	8	53	12	34	M8	1.4
5026-797-016-100	SBT40 x SLT16 - 100	165.4	100	68	21	10	65	16	40	M10	1.6
5026-797-020-100	SBT40 x SLT20 - 100	165.4	100	70	20	12	67	20	50	M10	1.9
5026-797-025-110	SBT40 x SLT25 - 110	175.4	110	74	23	14	83	25	55	M12	2.2
5026-797-032-125	SBT40 x SLT32 - 125	190.4	125	83	26	16	-	32	64	M12	2.8
5026-797-040-150	SBT40 x SLT40 - 150	215.4	150	98	32	18	-	40	80	M16	4.5
5027-797-016-105	SBT50 x SLT16 - 105	206.8	105	68	21	10	61	16	40	M10	4.1
5027-797-020-110	SBT50 x SLT20 - 110	211.8	110	70	20	12	60	20	50	M10	4.5
5027-797-025-120	SBT50 x SLT25 - 120	221.8	120	74	23	14	70	25	55	M12	4.8
5027-797-032-125	SBT50 x SLT32 - 125	226.8	125	83	26	16	80	32	64	M12	5.2
5027-797-040-135	SBT50 x SLT40 - 135	236.8	135	98	32	18	91	40	80	M16	6.4
5027-797-050-145	SBT50 x SLT50 - 145	246.8	145	115	36	18	102	50	90	M16	7.1

Accessories

Lock Screw

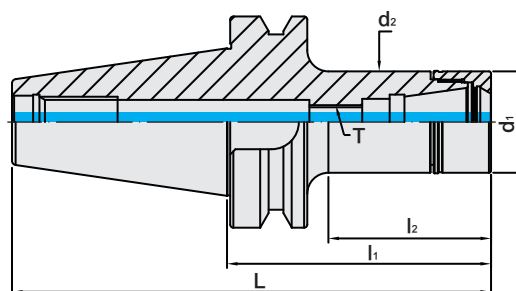


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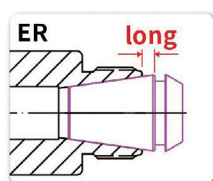
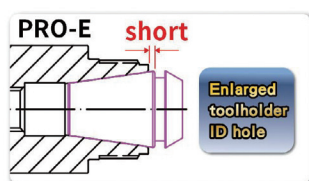
SBT / PRO-E EXCELLENT COLLET CHUCK



SBT / PRO-E 法蘭加厚精萃型筒夾式刀桿



MODEL NO.	TYPE	L	l ₁	l ₂	d ₁	d ₂	T	SIZE RANGE	WEIGHT (KGS)
5025-529-016-070	SBT30 x PRO-E16 - 70	118.4	70	43	30	30	M10 x 1.5P	1 ~ 10	0.58
5025-529-016-100	SBT30 x PRO-E16 - 100	148.4	100	73	30	30	M10 x 1.5P	1 ~ 10	0.73
5025-529-016-125	SBT30 x PRO-E16 - 125	173.4	125	98	30	30	M10 x 1.5P	1 ~ 10	0.85
5025-529-016-150	SBT30 x PRO-E16 - 150	198.4	150	123	30	30	M10 x 1.5P	1 ~ 10	0.97
5025-529-020-070	SBT30 x PRO-E20 - 70	118.4	70	44	35	35	M12 x 1.75P	1 ~ 13	0.65
5025-529-020-100	SBT30 x PRO-E20 - 100	148.4	100	74	35	35	M12 x 1.75P	1 ~ 13	0.85
5025-529-020-125	SBT30 x PRO-E20 - 125	173.4	125	99	35	35	M12 x 1.75P	1 ~ 13	1.02
5025-529-020-150	SBT30 x PRO-E20 - 150	198.4	150	124	35	35	M12 x 1.75P	1 ~ 13	1.19
5025-529-025-070	SBT30 x PRO-E25 - 70	118.4	70	47.5	42	42	M16 x 2.0P	1 ~ 16	0.73
5025-529-025-100	SBT30 x PRO-E25 - 100	148.4	100	77.5	42	42	M16 x 2.0P	1 ~ 16	1.03
5025-529-025-125	SBT30 x PRO-E25 - 125	173.4	125	102.5	42	42	M16 x 2.0P	1 ~ 16	1.28
5025-529-025-150	SBT30 x PRO-E25 - 150	198.4	150	127.5	42	42	M16 x 2.0P	1 ~ 16	1.53
5025-529-032-070	SBT30 x PRO-E32 - 70	118.4	70	47.5	50	50	M16 x 2.0P	2 ~ 20	0.79
5025-529-032-100	SBT30 x PRO-E32 - 100	148.4	100	77.5	50	50	M16 x 2.0P	2 ~ 20	1.22
5025-529-032-125	SBT30 x PRO-E32 - 125	173.4	125	102.5	50	50	M16 x 2.0P	2 ~ 20	1.58
5025-529-032-150	SBT30 x PRO-E32 - 150	198.4	150	127.5	50	50	M16 x 2.0P	2 ~ 20	1.95



Features:

- ▶ Superior interchangeability with ER collets.
- ▶ The design of enlarged holder ID hole optimizes the coverage of ER collet, shortens the tool overhanging length, and improves runout accuracy and machining stability.
- ▶ The design of straight parts above and below the thread makes PRO-E tool holders have better contact with clamping nuts to achieve higher runout accuracy.
- ▶ PRO-E nuts without slots reduce the wind shear at high speed.

Product information:

- ▶ Higher balancing grade and revolution can be done upon request but additional charge is needed.
- ▶ AD+B type is available, please inform us when making an order.
- ▶ SBT30 tool holders aer without coolant supply over collars.

Standard Accessory: • NUT

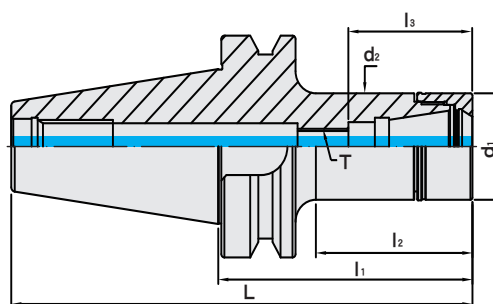
Collet	Nut	Pull Stud	Spanner	Torque Wrench Adapter (Pull Stud)	Spanner (Pull Stud)	Preset Screw
P.X-19~45	P.X-61	P.X-72~73	P.X-81,83~84,91	P.X-85	P.X-86	P.X-121



SBT / PRO-E EXCELLENT COLLET CHUCK



SBT / PRO-E 法蘭加厚精萃型筒夾式刀桿



MODEL NO.	TYPE	L	l ₁	l ₂	l ₃	d ₁	d ₂	T	SIZE RANGE	WEIGHT (KGS)
5026-529-016-070	SBT40 x PRO-E16 - 70	135.4	70	38	48	30	30	M10 x 1.5P	1 ~ 10	1.14
5026-529-016-100	SBT40 x PRO-E16 - 100	165.4	100	63	48	30	30	M10 x 1.5P	1 ~ 10	1.28
5026-529-016-125	SBT40 x PRO-E16 - 125	190.4	125	88	48	30	30	M10 x 1.5P	1 ~ 10	1.38
5026-529-016-150	SBT40 x PRO-E16 - 150	215.4	150	113	48	30	30	M10 x 1.5P	1 ~ 10	1.49
5026-529-016-200	SBT40 x PRO-E16 - 200	265.4	200	163	48	30	30	M10 x 1.5P	1 ~ 10	1.70
5026-529-016-250	SBT40 x PRO-E16 - 250	315.4	250	213	48	30	30	M10 x 1.5P	1 ~ 10	1.90
5026-529-020-070	SBT40 x PRO-E20 - 70	135.4	70	35	44	35	35	M12 x 1.75P	1 ~ 13	1.19
5026-529-020-100	SBT40 x PRO-E20 - 100	165.4	100	65	44	35	35	M12 x 1.75P	1 ~ 13	1.38
5026-529-020-125	SBT40 x PRO-E20 - 125	190.4	125	90	44	35	35	M12 x 1.75P	1 ~ 13	1.54
5026-529-020-150	SBT40 x PRO-E20 - 150	215.4	150	115	44	35	35	M12 x 1.75P	1 ~ 13	1.69
5026-529-020-200	SBT40 x PRO-E20 - 200	265.4	200	165	44	35	35	M12 x 1.75P	1 ~ 13	2.00
5026-529-020-250	SBT40 x PRO-E20 - 250	315.4	250	215	44	35	35	M12 x 1.75P	1 ~ 13	2.30
5026-529-025-070	SBT40 x PRO-E25 - 70	135.4	70	40	47	42	42	M16 x 2.0P	1 ~ 16	1.26
5026-529-025-100	SBT40 x PRO-E25 - 100	165.4	100	70	47	42	42	M16 x 2.0P	1 ~ 16	1.54
5026-529-025-125	SBT40 x PRO-E25 - 125	190.4	125	95	47	42	42	M16 x 2.0P	1 ~ 16	1.78
5026-529-025-150	SBT40 x PRO-E25 - 150	215.4	150	120	47	42	42	M16 x 2.0P	1 ~ 16	2.02
5026-529-025-200	SBT40 x PRO-E25 - 200	265.4	200	170	47	42	42	M16 x 2.0P	1 ~ 16	2.49
5026-529-025-250	SBT40 x PRO-E25 - 250	315.4	250	220	47	42	42	M16 x 2.0P	1 ~ 16	2.94
5026-529-032-070	SBT40 x PRO-E32 - 70	135.4	70	40	61	50	50	M16 x 2.0P	2 ~ 20	1.31
5026-529-032-100	SBT40 x PRO-E32 - 100	165.4	100	70	61	50	50	M16 x 2.0P	2 ~ 20	1.73
5026-529-032-125	SBT40 x PRO-E32 - 125	190.4	125	95	61	50	50	M16 x 2.0P	2 ~ 20	2.08
5026-529-032-150	SBT40 x PRO-E32 - 150	215.4	150	120	61	50	50	M16 x 2.0P	2 ~ 20	2.43
5026-529-032-200	SBT40 x PRO-E32 - 200	265.4	200	170	61	50	50	M16 x 2.0P	2 ~ 20	3.13
5026-529-032-250	SBT40 x PRO-E32 - 250	315.4	250	220	61	50	50	M16 x 2.0P	2 ~ 20	3.81
5026-529-040-070	SBT40 x PRO-E40 - 70	135.4	70	43	95.4	63	60	-	3 ~ 26	1.32
5026-529-040-100	SBT40 x PRO-E40 - 100	165.4	100	73	95.4	63	63	M20 x 2.0P	3 ~ 26	1.93
5026-529-040-125	SBT40 x PRO-E40 - 125	190.4	125	98	95.4	63	63	M20 x 2.0P	3 ~ 26	2.45
5026-529-040-150	SBT40 x PRO-E40 - 150	215.4	150	123	95.4	63	63	M20 x 2.0P	3 ~ 26	2.96
5026-529-040-200	SBT40 x PRO-E40 - 200	265.4	200	173	95.4	63	63	M20 x 2.0P	3 ~ 26	4.01

Features:

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- ▶ The design of straight parts above and below the thread makes PRO-E tool holders have better contact with clamping nuts to achieve higher runout accuracy.
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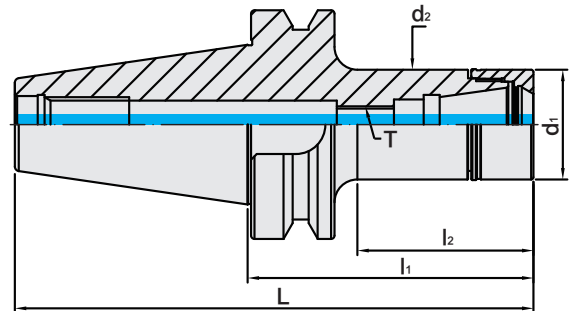
Collet	Nut	Pull Stud	Spanner	Torque Wrench Adapter (Pull Stud)	Spanner (Pull Stud)	Preset Screw
P.X-19~45	P.X-61	P.X-72~73	P.X-81,83~84,91	P.X-85	P.X-86	P.X-121

SBT / PRO-E EXCELLENT COLLET CHUCK

SBT



SBT / PRO-E 法蘭加厚精萃型筒夾式刀桿



MODEL NO.	TYPE	L	l ₁	l ₂	d ₁	d ₂	T	SIZE RANGE	WEIGHT (KGS)
5027-529-016-070	SBT50 x PRO-E16 - 70	171.8	70	30	30	30	M10 x 1.5P	1 ~ 10	3.68
5027-529-016-100	SBT50 x PRO-E16 - 100	201.8	100	52	30	30	M10 x 1.5P	1 ~ 10	3.78
5027-529-016-125	SBT50 x PRO-E16 - 125	226.8	125	77	30	30	M10 x 1.5P	1 ~ 10	3.92
5027-529-016-150	SBT50 x PRO-E16 - 150	251.8	150	102	30	30	M10 x 1.5P	1 ~ 10	4.03
5027-529-016-200	SBT50 x PRO-E16 - 200	301.8	200	147	30	30	M10 x 1.5P	1 ~ 10	4.27
5027-529-020-070	SBT50 x PRO-E20 - 70	171.8	70	31	35	35	M12 x 1.75P	1 ~ 13	3.70
5027-529-020-100	SBT50 x PRO-E20 - 100	201.8	100	52	35	35	M12 x 1.75P	1 ~ 13	3.86
5027-529-020-125	SBT50 x PRO-E20 - 125	226.8	125	77	35	35	M12 x 1.75P	1 ~ 13	4.06
5027-529-020-150	SBT50 x PRO-E20 - 150	251.8	150	102	35	35	M12 x 1.75P	1 ~ 13	4.22
5027-529-020-200	SBT50 x PRO-E20 - 200	301.8	200	152	35	35	M12 x 1.75P	1 ~ 13	4.56
5027-529-025-070	SBT50 x PRO-E25 - 70	171.8	70	31	42	42	M16 x 2.0P	1 ~ 16	3.74
5027-529-025-100	SBT50 x PRO-E25 - 100	201.8	100	52	42	42	M16 x 2.0P	1 ~ 16	4.00
5027-529-025-125	SBT50 x PRO-E25 - 125	226.8	125	77	42	42	M16 x 2.0P	1 ~ 16	4.20
5027-529-025-150	SBT50 x PRO-E25 - 150	251.8	150	102	42	42	M16 x 2.0P	1 ~ 16	4.40
5027-529-025-200	SBT50 x PRO-E25 - 200	301.8	200	152	42	42	M16 x 2.0P	1 ~ 16	4.80
5027-529-025-250	SBT50 x PRO-E25 - 250	351.8	250	197	42	42	M16 x 2.0P	1 ~ 16	5.24
5027-529-032-070	SBT50 x PRO-E32 - 70	171.8	70	31	50	50	M16 x 2.0P	2 ~ 20	3.77
5027-529-032-100	SBT50 x PRO-E32 - 100	201.8	100	52	50	50	M16 x 2.0P	2 ~ 20	4.17
5027-529-032-125	SBT50 x PRO-E32 - 125	226.8	125	77	50	50	M16 x 2.0P	2 ~ 20	4.48
5027-529-032-150	SBT50 x PRO-E32 - 150	251.8	150	102	50	50	M16 x 2.0P	2 ~ 20	4.79
5027-529-032-200	SBT50 x PRO-E32 - 200	301.8	200	152	50	50	M16 x 2.0P	2 ~ 20	5.42
5027-529-032-250	SBT50 x PRO-E32 - 250	351.8	250	197	50	50	M16 x 2.0P	2 ~ 20	6.08
5027-529-032-300	SBT50 x PRO-E32 - 300	401.8	300	247	50	50	M16 x 2.0P	2 ~ 20	6.70
5027-529-032-350	SBT50 x PRO-E32 - 350	451.8	350	297	50	50	M16 x 2.0P	2 ~ 20	7.32
5027-529-040-100	SBT50 x PRO-E40 - 100	201.8	100	57	63	63	M20 x 2.0P	3 ~ 26	4.38
5027-529-040-125	SBT50 x PRO-E40 - 125	226.8	125	82	63	63	M20 x 2.0P	3 ~ 26	4.93
5027-529-040-150	SBT50 x PRO-E40 - 150	251.8	150	107	63	63	M20 x 2.0P	3 ~ 26	5.48
5027-529-040-200	SBT50 x PRO-E40 - 200	301.8	200	157	63	63	M20 x 2.0P	3 ~ 26	6.59

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Standard Accessory: • NUT

Collet	Nut	Pull Stud	Spanner	Torque Wrench Adapter (Pull Stud)	Spanner (Pull Stud)	Preset Screw
P.X-19~45	P.X-61	P.X-72~73	P.X-81,83~84,91	P.X-85	P.X-86	P.X-121

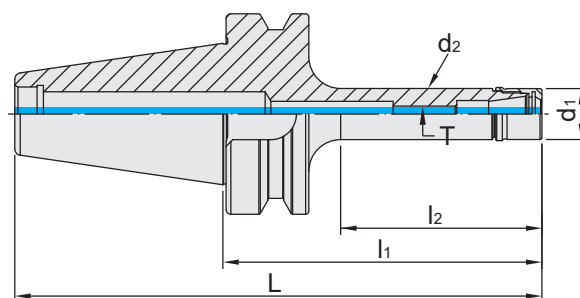


SBT / PRO-E EXCELLENT COLLET CHUCK

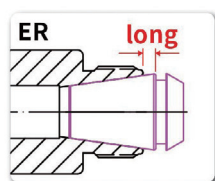
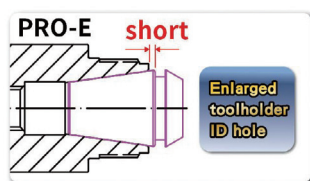
M TYPE



SBT / PRO-E 法蘭加厚精萃型筒夾式刀桿 [M型]



MODEL NO.	TYPE	L	l ₁	l ₂	l ₃	d ₁	d ₂	T	SIZE RANGE	WEIGHT (KGS)
5026-584-008-070	SBT40 x PRO-E8M - 70	135.4	70	33	24.7	12	12	-	1-5	0.99
5026-584-008-100	SBT40 x PRO-E8M - 100	165.4	100	63	24.7	12	12	-	1-5	1.05
5026-584-008-125	SBT40 x PRO-E8M - 125	190.4	125	88	24.7	12	12	-	1-5	1.07
5026-584-011-070	SBT40 x PRO-E11M - 70	135.4	70	33	27.5	16	16	M6 x 1.0P	1-7	1.03
5026-584-011-100	SBT40 x PRO-E11M - 100	165.4	100	63	27.5	16	16	M6 x 1.0P	1-7	1.09
5026-584-011-125	SBT40 x PRO-E11M - 125	190.4	125	88	27.5	16	16	M6 x 1.0P	1-7	1.13
5026-584-016-070	SBT40 x PRO-E16M - 70	135.4	70	33	33.8	24	24	M10 x 1.5P	1-10	1.09
5026-584-016-100	SBT40 x PRO-E16M - 100	165.4	100	63	33.8	24	24	M10 x 1.5P	1-10	1.16
5026-584-016-125	SBT40 x PRO-E16M - 125	190.4	125	88	33.8	24	24	M10 x 1.5P	1-10	1.22



Features:

- ▶ The PRO-E/M type is designed with a mini-type clamping nut, making it preventing interference.
- ▶ Superior interchangeability with ER collets.
- ▶ The design of enlarged holder ID hole optimizes the coverage of ER collet, shortens the tool overhanging length, and improves runout accuracy and machining stability.
- ▶ The design of straight parts above and below the thread makes PRO-E tool holders have better contact with clamping nuts to achieve higher runout accuracy.
- ▶ PRO-E nuts without slots reduce the wind shear at high speed.

Product information: .

- ▶ Higher balancing grade and revolution can be done upon request but additional charge is needed.
- ▶ AD+B type is available, please inform us when making an order.

Standard Accessory: • NUT

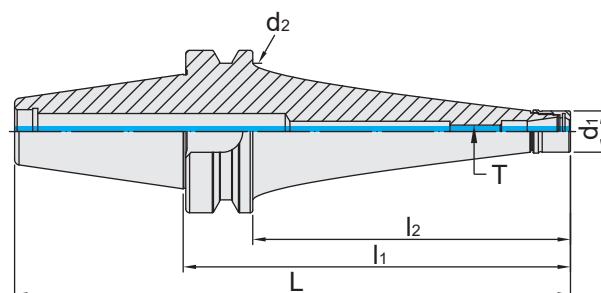
Collet	Nut	Pull Stud	Spanner	Torque Wrench Adapter (Pull Stud)	Spanner (Pull Stud)	Preset Screw
P.X-19~45	P.X-61	P.X-72~73	P.X-81,83~84,91	P.X-85	P.X-86	P.X-121

SBT / PRO-E EXCELLENT COLLET CHUCK

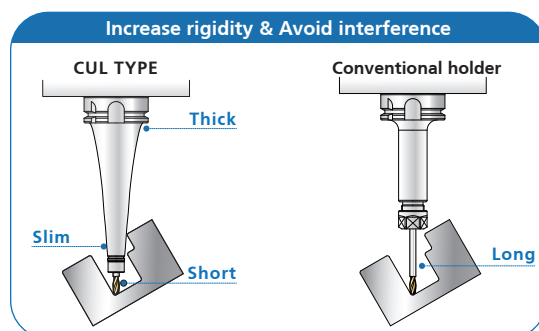
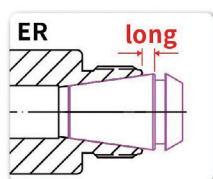
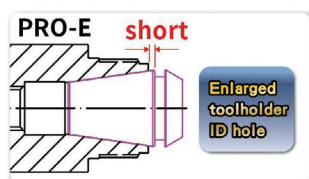
M TYPE CUL



SBT / PRO-E 法蘭加厚精萃型筒夾式刀桿 [M型]



MODEL NO.	TYPE	L	l ₁	l ₂	l ₃	d ₁	d ₂	T	SIZE RANGE	WEIGHT (KGS)
5026-586-008-150	SBT40 x PRO-E8M - 150CUL	215.4	150	123	24.7	12	53	-	1-5	1.53
5026-586-008-200	SBT40 x PRO-E8M - 200CUL	265.4	200	173	24.7	12	53	-	1-5	1.71
5026-586-011-150	SBT40 x PRO-E11M - 150CUL	215.4	150	123	27.5	16	53	M6 x 1.0P	1-7	1.56
5026-586-011-200	SBT40 x PRO-E11M - 200CUL	265.4	200	173	27.5	16	53	M6 x 1.0P	1-7	1.75
5026-586-016-150	SBT40 x PRO-E16M - 150CUL	215.4	150	123	36.3	24	53	M10 x 1.5P	1-10	1.71
5026-586-016-200	SBT40 x PRO-E16M - 200CUL	265.4	200	173	36.3	24	53	M10 x 1.5P	1-10	1.97



Features:

- ▶ The PRO-E/M type is designed with CUL Curved Line, making it highly suitable for 5 axis machining scenarios by preventing interference while ensuring strength.
- ▶ Superior interchangeability with ER collets.
- ▶ The design of enlarged holder ID hole optimizes the coverage of ER collet, shortens the tool overhanging length, and improves runout accuracy and machining stability.
- ▶ The design of straight parts above and below the thread makes PRO-E tool holders have better contact with clamping nuts to achieve higher runout accuracy.
- ▶ PRO-E nuts without slots reduce the wind shear at high speed.

Product information:

- ▶ Higher balancing grade and revolution can be done upon request but additional charge is needed.
- ▶ AD+B type is available, please inform us when making an order.

Standard Accessory: • NUT

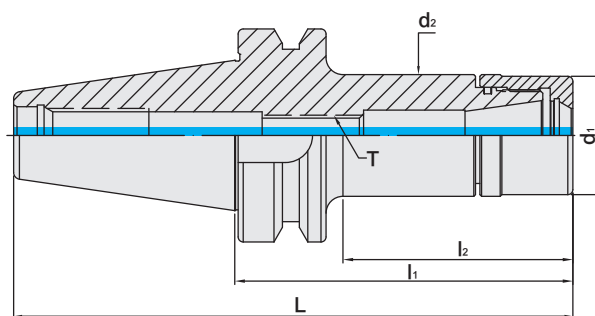
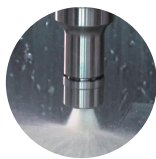
Collet	Nut	Pull Stud	Spanner	Torque Wrench Adapter (Pull Stud)	Spanner (Pull Stud)	Preset Screw
P.X-19~45	P.X-61	P.X-72~73	P.X-81,83~84,91	P.X-85	P.X-86	P.X-121



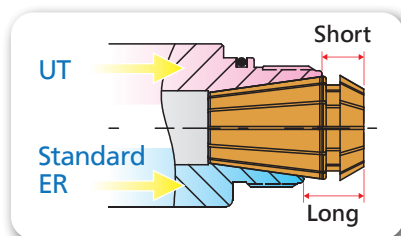
SBT / UT COLLET CHUCK



SBT / UT 法蘭加厚型立銑刀夾頭



MODEL NO.	TYPE	L	l ₁	l ₂	d ₁	d ₂	T	SIZE RANGE	WEIGHT (KGS)
5025-753-016-070	SBT30 x UT16 - 70	118.4	70	43	30	30	M10 x 1.5P	1 ~ 10	0.58
5025-753-016-100	SBT30 x UT16 - 100	148.4	100	73	30	30	M10 x 1.5P	1 ~ 10	0.73
5025-753-016-125	SBT30 x UT16 - 125	173.4	125	98	30	30	M10 x 1.5P	1 ~ 10	0.85
5025-753-016-150	SBT30 x UT16 - 150	198.4	150	123	30	30	M10 x 1.5P	1 ~ 10	0.97
5025-753-020-070	SBT30 x UT20 - 70	118.4	70	47	35	36	M12 x 1.75P	1 ~ 13	0.64
5025-753-020-100	SBT30 x UT20 - 100	148.4	100	77	35	36	M12 x 1.75P	1 ~ 13	0.85
5025-753-020-125	SBT30 x UT20 - 125	173.4	125	102	35	36	M12 x 1.75P	1 ~ 13	1.03
5025-753-020-150	SBT30 x UT20 - 150	198.4	150	127	35	36	M12 x 1.75P	1 ~ 13	1.21
5025-753-025-070	SBT30 x UT25 - 70	118.4	70	46	42	42	M16 x 2.0P	1 ~ 16	0.70
5025-753-025-100	SBT30 x UT25 - 100	148.4	100	76	42	42	M16 x 2.0P	1 ~ 16	1.00
5025-753-025-150	SBT30 x UT25 - 150	198.4	150	126	42	42	M16 x 2.0P	1 ~ 16	1.49
5025-753-032-070	SBT30 x UT32 - 70	118.4	70	47.5	48	48	M16 x 2.0P	2 ~ 20	0.71
5025-753-032-100	SBT30 x UT32 - 100	148.4	100	77.5	48	48	M16 x 2.0P	2 ~ 20	1.08
5025-753-032-125	SBT30 x UT32 - 125	173.4	125	102.5	48	48	M16 x 2.0P	2 ~ 20	1.42
5025-753-032-150	SBT30 x UT32 - 150	198.4	150	127.5	48	48	M16 x 2.0P	2 ~ 20	1.75



Features:

- ▶ The deeper holder gauge line optimizes the coverage of ER spring collet and increases machining stability.
- ▶ UT clamping nut is designed without eccentric. Used with ER and ERE spring collets.
- ▶ The O-ring design on the front of holders prevents chips and coolant from entering holders.
- ▶ UT nuts without slots reduce the wind shear at high speed.

Product information:

- ▶ SBT30 tool holders are without coolant supply over collars.

Standard Accessory: • NUT

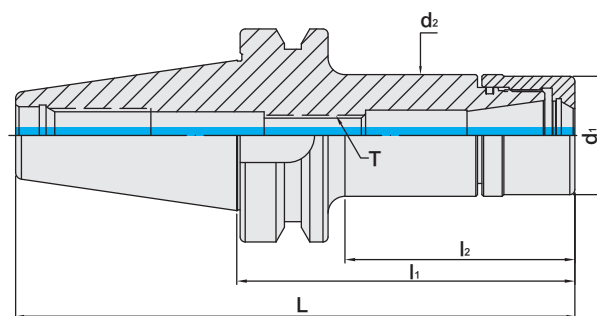
Collet	Nut	Pull Stud	Spanner	Torque Wrench Adapter (Pull Stud)	Spanner (Pull Stud)	Preset Screw
P.X-19~22	P.X-61	P.X-72~73	P.X-81,83~84,91	P.X-85	P.X-86	P.X-121

SBT / UT COLLET CHUCK

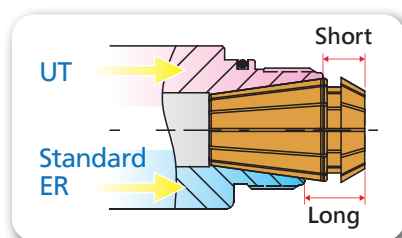
SBT



SBT / UT 法蘭加厚型立銑刀夾頭



MODEL NO.	TYPE	L	l ₁	l ₂	d ₁	d ₂	T	SIZE RANGE	WEIGHT (KGS)
5026-753-016-070	SBT40 x UT16 - 70	135.4	70	40	30	30	M10 x 1.5P	1 ~ 10	1.14
5026-753-016-100	SBT40 x UT16 - 100	165.4	100	63	30	30	M10 x 1.5P	1 ~ 10	1.28
5026-753-016-125	SBT40 x UT16 - 125	190.4	125	88	30	30	M10 x 1.5P	1 ~ 10	1.39
5026-753-016-150	SBT40 x UT16 - 150	215.4	150	113	30	30	M10 x 1.5P	1 ~ 10	1.49
5026-753-020-070	SBT40 x UT20 - 70	135.4	70	38	35	36	M12 x 1.75P	1 ~ 13	1.18
5026-753-020-100	SBT40 x UT20 - 100	165.4	100	68	35	36	M12 x 1.75P	1 ~ 13	1.39
5026-753-020-125	SBT40 x UT20 - 125	190.4	125	93	35	36	M12 x 1.75P	1 ~ 13	1.55
5026-753-020-150	SBT40 x UT20 - 150	215.4	150	118	35	36	M12 x 1.75P	1 ~ 13	1.72
5026-753-025-070	SBT40 x UT25 - 70	135.4	70	40	42	42	M16 x 2.0P	1 ~ 16	1.23
5026-753-025-100	SBT40 x UT25 - 100	165.4	100	70	42	42	M16 x 2.0P	1 ~ 16	1.51
5026-753-025-150	SBT40 x UT25 - 150	215.4	150	118	42	42	M16 x 2.0P	1 ~ 16	1.99
5026-753-032-070	SBT40 x UT32 - 70	135.4	70	40	48	48	M16 x 2.0P	2 ~ 20	1.24
5026-753-032-100	SBT40 x UT32 - 100	165.4	100	70	48	48	M16 x 2.0P	2 ~ 20	1.62
5026-753-032-125	SBT40 x UT32 - 125	190.4	125	95	48	48	M16 x 2.0P	2 ~ 20	1.94
5026-753-032-150	SBT40 x UT32 - 150	215.4	150	120	48	48	M16 x 2.0P	2 ~ 20	2.26



Features:

- ▶ The deeper holder gauge line optimizes the coverage of ER spring collet and increases machining stability.
- ▶ UT clamping nut is designed without eccentric. Used with ER and ERE spring collets.
- ▶ The O-ring design on the front of holders prevents chips and coolant from entering holders.
- ▶ UT nuts without slots reduce the wind shear at high speed.

Product information:

- ▶ AD+B type is available, please inform us when making an order.

Standard Accessory: • NUT

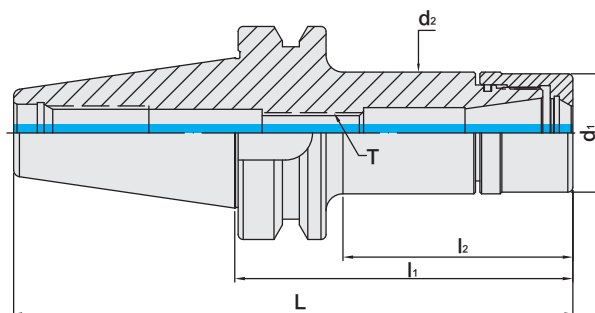
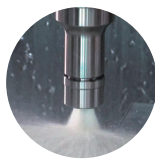
Collet	Nut	Pull Stud	Spanner	Torque Wrench Adapter (Pull Stud)	Spanner (Pull Stud)	Preset Screw
P.X-19~22	P.X-61	P.X-72~73	P.X-81,83~84,91	P.X-85	P.X-86	P.X-121



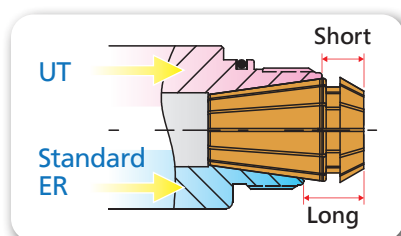
SBT / UT COLLET CHUCK



SBT / UT 法蘭加厚型立銑刀夾頭



MODEL NO.	TYPE	L	l ₁	l ₂	d ₁	d ₂	T	SIZE RANGE	WEIGHT (KGS)
5027-753-016-070	SBT50 x UT16 - 70	171.8	70	29	30	30	M10 x 1.5P	1 ~ 10	3.69
5027-753-016-100	SBT50 x UT16 - 100	201.8	100	52	30	30	M10 x 1.5P	1 ~ 10	3.79
5027-753-016-125	SBT50 x UT16 - 125	226.8	125	77	30	30	M10 x 1.5P	1 ~ 10	3.85
5027-753-016-150	SBT50 x UT16 - 150	251.8	150	102	30	30	M10 x 1.5P	1 ~ 10	4.02
5027-753-020-070	SBT50 x UT20 - 70	171.8	70	31.6	35	36	M12 x 1.75P	1 ~ 13	3.73
5027-753-020-100	SBT50 x UT20 - 100	201.8	100	52	35	36	M12 x 1.75P	1 ~ 13	3.90
5027-753-020-125	SBT50 x UT20 - 125	226.8	125	77	35	36	M12 x 1.75P	1 ~ 13	4.03
5027-753-020-150	SBT50 x UT20 - 150	251.8	150	102	35	36	M12 x 1.75P	1 ~ 13	4.28
5027-753-025-070	SBT50 x UT25 - 70	171.8	70	31.6	42	42	M16 x 2.0P	1 ~ 16	3.74
5027-753-025-100	SBT50 x UT25 - 100	201.8	100	52	42	42	M16 x 2.0P	1 ~ 16	3.96
5027-753-025-150	SBT50 x UT25 - 150	251.8	150	102	42	42	M16 x 2.0P	1 ~ 16	4.41
5027-753-032-080	SBT50 x UT32 - 80	181.8	80	41	48	48	M16 x 2.0P	2 ~ 20	3.87
5027-753-032-100	SBT50 x UT32 - 100	201.8	100	57	48	48	M16 x 2.0P	2 ~ 20	4.08
5027-753-032-125	SBT50 x UT32 - 125	226.8	125	82	48	48	M16 x 2.0P	2 ~ 20	4.36
5027-753-032-150	SBT50 x UT32 - 150	251.8	150	102	48	48	M16 x 2.0P	2 ~ 20	4.66



Features:

- ▶ The deeper holder gauge line optimizes the coverage of ER spring collet and increases machining stability.
- ▶ UT clamping nut is designed without eccentric. Used with ER and ERE spring collets.
- ▶ The O-ring design on the front of holders prevents chips and coolant from entering holders
- ▶ UT nuts without slots reduce the wind shear at high speed.

Product information:

- ▶ AD+B type is available, please inform us when making an order.

Standard Accessory: • NUT

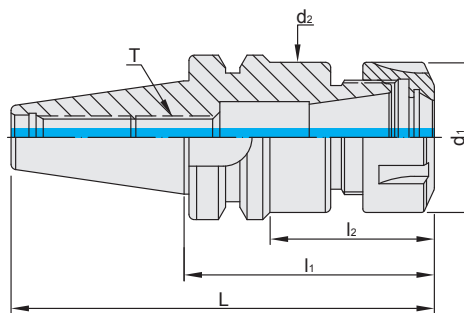
Collet	Nut	Pull Stud	Spanner	Torque Wrench Adapter (Pull Stud)	Spanner (Pull Stud)	Preset Screw
PX-19~22	PX-61	PX-72~73	PX-81,83~84,91	PX-85	PX-86	PX-121

SBT / ER TOOL HOLDER



SBT / ER 法蘭加厚型刀桿

(ISO 15488)



MODEL NO.	TYPE	L	l ₁	l ₂	d ₁	d ₂	T	SIZE RANGE	WEIGHT (KGS)
5025-108-016-050	SBT30 x ER16A - 50	98.4	50	27.3	28	28	M10 x 1.5P	1 ~ 10	0.45
5025-108-016-060	SBT30 x ER16A - 60	108.4	60	35	28	28	M10 x 1.5P	1 ~ 10	0.60
5025-108-016-070	SBT30 x ER16A - 70	118.4	70	43	28	28	M10 x 1.5P	1 ~ 10	0.55
5025-108-016-100	SBT30 x ER16A - 100	148.4	100	70	28	28	M10 x 1.5P	1 ~ 10	0.70
5025-108-016-120	SBT30 x ER16A - 120	168.4	120	93	28	28	M10 x 1.5P	1 ~ 10	0.78
5025-108-020-050	SBT30 x ER20A - 50	98.4	50	28	34	-	M12 x 1.75P	1 ~ 13	0.48
5025-108-020-070	SBT30 x ER20A - 70	118.4	70	45	34	34	M12 x 1.75P	1 ~ 13	0.62
5025-108-020-135	SBT30 x ER20A - 135	183.4	135	110	34	34	M12 x 1.75P	1 ~ 13	1.00
5025-110-025-070	SBT30 x ER25 - 70	118.4	70	46	42	42	M16 x 2.0P	1 ~ 16	0.70
5025-110-025-135	SBT30 x ER25 - 135	183.4	135	111	42	42	M16 x 2.0P	1 ~ 16	1.45
5025-110-032-070	SBT30 x ER32 - 70	118.4	70	47.5	50	45	M16 x 2.0P	2 ~ 20	0.70
5025-110-032-100	SBT30 x ER32 - 100	148.4	100	77.5	50	45	M16 x 2.0P	2 ~ 20	1.00
5025-110-040-080	SBT30 x ER40 - 80	128.4	80	58	63	53	M16 x 2.0P	3 ~ 26	1.10

Features:

- ▶ This ER tool holder has superior flexibility for use with all tool types, e.g. drills, taps, mills, reamers.
- ▶ It is recommended to tighten the clamping nuts using a torque wrench. Refer to the catalogue page of ER POWER GOOD NUT for the info. of recommended tightening torque.

Product information:

- ▶ SBT30 tool holders are without coolant supply over collars.

Standard Accessory: • NUT

Collet	Nut	Pull Stud	Spanner	Torque Wrench Adapter (Pull Stud)	Spanner (Pull Stud)	Preset Screw
P.X-19~45	P.X-63,65~67	P.X-72~73	P.X-81~84,87~88,91	P.X-85	P.X-86	P.X-121

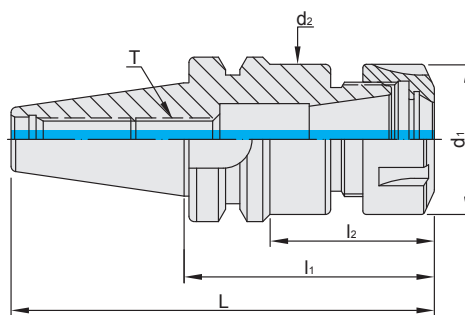


SBT / ER TOOL HOLDER



SBT / ER 法蘭加厚型刀桿

(ISO 15488)



MODEL NO.	TYPE	L	l ₁	l ₂	d ₁	d ₂	T	SIZE RANGE	WEIGHT (KGS)
5026-108-016-070	SBT40 x ER16A - 70	135.4	70	40.5	28	28	M10 x 1.5P	1 ~ 10	1.20
5026-108-016-100	SBT40 x ER16A - 100	165.4	100	63	28	28	M10 x 1.5P	1 ~ 10	1.30
5026-108-016-125	SBT40 x ER16A - 125	190.4	125	88	28	28	M10 x 1.5P	1 ~ 10	1.36
5026-108-016-150	SBT40 x ER16A - 150	215.4	150	113	28	28	M10 x 1.5P	1 ~ 10	1.54
5026-108-016-180	SBT40 x ER16A - 180	245.4	180	143	28	28	M10 x 1.5P	1 ~ 10	2.00
5026-108-016-200	SBT40 x ER16A - 200	265.4	200	163	28	28	M10 x 1.5P	1 ~ 10	1.56
5026-108-020-070	SBT40 x ER20A - 70	135.4	70	40.5	34	34	M12 x 1.75P	1 ~ 13	1.18
5026-108-020-100	SBT40 x ER20A - 100	165.4	100	70.5	34	34	M12 x 1.75P	1 ~ 13	1.80
5026-108-020-135	SBT40 x ER20A - 135	200.4	135	105.5	34	34	M12 x 1.75P	1 ~ 13	1.70
5026-108-020-150	SBT40 x ER20A - 150	215.4	150	120.5	34	34	M12 x 1.75P	1 ~ 13	1.80
5026-108-020-200	SBT40 x ER20A - 200	265.4	200	163	34	34	M12 x 1.75P	1 ~ 13	1.87
5026-110-025-070	SBT40 x ER25 - 70	135.4	70	40	42	42	M16 x 2.0P	1 ~ 16	1.30
5026-110-025-100	SBT40 x ER25 - 100	165.4	100	70	42	42	M16 x 2.0P	1 ~ 16	1.50
5026-110-025-125	SBT40 x ER25 - 125	190.4	125	95	42	42	M16 x 2.0P	1 ~ 16	1.78
5026-110-025-150	SBT40 x ER25 - 150	215.4	150	120	42	42	M16 x 2.0P	1 ~ 16	2.06
5026-110-025-200	SBT40 x ER25 - 200	265.4	200	165	42	42	M16 x 2.0P	1 ~ 16	2.38
5026-110-032-070	SBT40 x ER32 - 70	135.4	70	40	50	50	M16 x 2.0P	2 ~ 20	1.30
5026-110-032-100	SBT40 x ER32 - 100	165.4	100	70	50	50	M16 x 2.0P	2 ~ 20	1.70
5026-110-032-150	SBT40 x ER32 - 150	215.4	150	120	50	50	M16 x 2.0P	2 ~ 20	2.50
5026-110-032-200	SBT40 x ER32 - 200	265.4	200	168	50	50	M16 x 2.0P	2 ~ 20	3.00
5026-110-040-080	SBT40 x ER40 - 80	145.4	80	53	63	60	-	3 ~ 26	1.50
5026-110-040-100	SBT40 x ER40 - 100	165.4	100	73	63	60	M20 x 2.0P	3 ~ 26	2.05
5026-110-040-120	SBT40 x ER40 - 120	185.4	120	93	63	60	M20 x 2.0P	3 ~ 26	1.92
5026-110-040-150	SBT40 x ER40 - 150	215.4	150	123	63	60	M20 x 2.0P	3 ~ 26	3.10
5026-110-050-085	SBT40 x ER50 - 85	150.4	85	58	78	60	M24 x 2.0P	6 ~ 34	1.70
5026-110-050-100	SBT40 x ER50 - 100	165.4	100	73	78	60	M24 x 2.0P	6 ~ 34	2.10

Features:

- ▶ This ER tool holder has superior flexibility for use with all tool types, e.g. drills, taps, mills, reamers.
- ▶ It is recommended to tighten the clamping nuts using a torque wrench. Refer to the catalogue page of ER POWER GOOD NUT for the info. of recommended tightening torque.

Product information:

- ▶ AD+B type is available, please inform us when making an order.

Standard Accessory: • NUT

Collet	Nut	Pull Stud	Spanner	Torque Wrench Adapter (Pull Stud)	Spanner (Pull Stud)	Preset Screw
P.X-19~45	P.X-63,65~67	P.X-72~73	PX-81~84,87~88,91	P.X-85	P.X-86	P.X-121



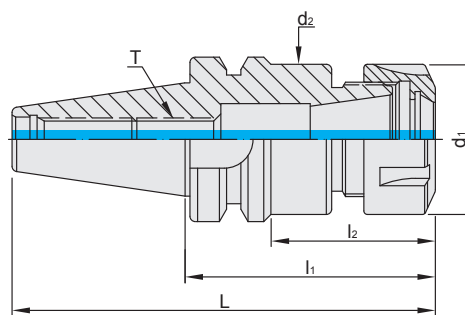
SBT / ER TOOL HOLDER

SBT



SBT / ER 法蘭加厚型刀桿

(ISO 15488)



MODEL NO.	TYPE	L	l ₁	l ₂	d ₁	d ₂	T	SIZE RANGE	WEIGHT (KGS)
5027-108-016-070	SBT50 x ER16A - 70	171.8	70	29	28	28	M10 x 1.5P	1 ~ 10	4.05
5027-108-016-090	SBT50 x ER16A - 90	191.8	90	47	28	28	M10 x 1.5P	1 ~ 10	4.20
5027-108-016-105	SBT50 x ER16A - 105	206.8	105	57	28	28	M10 x 1.5P	1 ~ 10	4.30
5027-108-016-135	SBT50 x ER16A - 135	236.8	135	87	28	28	M10 x 1.5P	1 ~ 10	4.40
5027-108-016-150	SBT50 x ER16A - 150	251.8	150	102	28	28	M10 x 1.5P	1 ~ 10	4.50
5027-108-016-165	SBT50 x ER16A - 165	266.8	165	117	28	28	M10 x 1.5P	1 ~ 10	4.50
5027-108-020-070	SBT50 x ER20A - 70	171.8	70	29	34	34	M12 x 1.75P	1 ~ 13	4.20
5027-108-020-090	SBT50 x ER20A - 90	191.8	90	47	34	34	M12 x 1.75P	1 ~ 13	4.25
5027-108-020-105	SBT50 x ER20A - 105	206.8	105	57	34	34	M12 x 1.75P	1 ~ 13	4.30
5027-108-020-135	SBT50 x ER20A - 135	236.8	135	87	34	34	M12 x 1.75P	1 ~ 13	4.55
5027-108-020-150	SBT50 x ER20A - 150	251.8	150	102	34	34	M12 x 1.75P	1 ~ 13	4.70
5027-108-020-165	SBT50 x ER20A - 165	266.8	165	117	34	34	M12 x 1.75P	1 ~ 13	4.80
5027-108-020-200	SBT50 x ER20A - 200	301.8	200	152	34	34	M12 x 1.75P	1 ~ 13	4.90
5027-108-020-250	SBT50 x ER20A - 250	351.8	250	202	34	34	M12 x 1.75P	1 ~ 13	4.73
5027-110-025-070	SBT50 x ER25 - 70	171.8	70	29	42	42	M16 x 2.0P	1 ~ 16	4.20
5027-110-025-105	SBT50 x ER25 - 105	206.8	105	57	42	42	M16 x 2.0P	1 ~ 16	4.40
5027-110-025-135	SBT50 x ER25 - 135	236.8	135	87	42	42	M16 x 2.0P	1 ~ 16	4.70
5027-110-025-165	SBT50 x ER25 - 165	266.8	165	117	42	42	M16 x 2.0P	1 ~ 16	5.00
5027-110-032-080	SBT50 x ER32 - 80	181.8	80	39	50	50	M16 x 2.0P	2 ~ 20	4.70
5027-110-032-100	SBT50 x ER32 - 100	201.8	100	57	50	50	M16 x 2.0P	2 ~ 20	4.80
5027-110-032-120	SBT50 x ER32 - 120	221.8	120	72	50	50	M16 x 2.0P	2 ~ 20	4.70
5027-110-032-150	SBT50 x ER32 - 150	251.8	150	102	50	50	M16 x 2.0P	2 ~ 20	5.30
5027-110-032-200	SBT50 x ER32 - 200	301.8	200	152	50	50	M16 x 2.0P	2 ~ 20	5.50
5027-110-040-080	SBT50 x ER40 - 80	181.8	80	39	63	63	M20 x 2.0P	3 ~ 26	4.30
5027-110-040-100	SBT50 x ER40 - 100	201.8	100	57	63	63	M20 x 2.0P	3 ~ 26	4.64
5027-110-040-120	SBT50 x ER40 - 120	221.8	120	72	63	63	M20 x 2.0P	3 ~ 26	5.10
5027-110-040-135	SBT50 x ER40 - 135	236.8	135	87	63	63	M20 x 2.0P	3 ~ 26	5.50
5027-110-050-090	SBT50 x ER50 - 90	191.8	90	49.5	78	78	M24 x 2.0P	6 ~ 34	4.60
5027-110-050-120	SBT50 x ER50 - 120	221.8	120	79	78	78	M24 x 2.0P	6 ~ 34	5.50
5027-110-050-165	SBT50 x ER50 - 165	266.8	165	124	78	78	M24 x 2.0P	6 ~ 34	6.10

Features:

- ▶ This ER tool holder has superior flexibility for use with all tool types, e.g. drills, taps, mills, reamers.
- ▶ It is recommended to tighten the clamping nuts using a torque wrench. Refer to the catalogue page of ER POWER GOOD NUT for the info. of recommended tightening torque.
- ▶ AD+B type is available, please inform us when making an order.

Standard Accessory: • NUT

Collet	Nut	Pull Stud	Spanner	Torque Wrench Adapter (Pull Stud)	Spanner (Pull Stud)	Preset Screw
P.X-19~45	P.X-63,65~67	P.X-72~73	PX-81~84,87~88,91	P.X-85	P.X-86	P.X-121



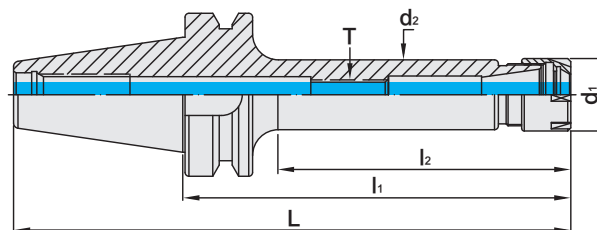
SBT / ER TOOL HOLDER

M TYPE



SBT / ER 法蘭加厚型刀桿 [M 型]

(ISO 15488)



MODEL NO.	TYPE	L	l ₁	l ₂	d ₁	d ₂	T	SIZE RANGE	WEIGHT (KGS)
5025-123-011-070	SBT30 x ER11M - 70	118.4	70	40	16	15	M6 x 1.0P	1 ~ 7	0.50
5025-123-011-100	SBT30 x ER11M - 100	148.4	100	70	16	15	M6 x 1.0P	1 ~ 7	0.60
5025-123-011-120	SBT30 x ER11M - 120	168.4	120	88	16	15	M6 x 1.0P	1 ~ 7	0.70
5025-123-016-070	SBT30 x ER16M - 70	118.4	70	43	22	21	M10 x 1.5P	1 ~ 10	0.55
5025-123-016-100	SBT30 x ER16M - 100	148.4	100	73	22	21	M10 x 1.5P	1 ~ 10	0.56
5025-123-016-120	SBT30 x ER16M - 120	168.4	120	88	22	21	M10 x 1.5P	1 ~ 10	0.75
5025-123-020-070	SBT30 x ER20M - 70	118.4	70	45.5	28	27	M12 x 1.75P	1 ~ 13	0.65
5025-123-020-100	SBT30 x ER20M - 100	148.4	100	71	28	27	M12 x 1.75P	1 ~ 13	0.70
5025-123-020-120	SBT30 x ER20M - 120	168.4	120	91	28	27	M12 x 1.75P	1 ~ 13	0.80
5025-123-020-150	SBT30 x ER20M - 150	198.4	150	121	28	27	M12 x 1.75P	1 ~ 13	1.00
5026-123-011-070	SBT40 x ER11M - 70	135.4	70	33	16	15	M6 x 1.0P	1 ~ 7	1.10
5026-123-011-100	SBT40 x ER11M - 100	165.4	100	63	16	15	M6 x 1.0P	1 ~ 7	1.10
5026-123-011-125	SBT40 x ER11M - 125	190.4	125	88	16	15	M6 x 1.0P	1 ~ 7	1.12
5026-123-011-150	SBT40 x ER11M - 150	215.4	150	113	16	15	M6 x 1.0P	1 ~ 7	1.20
5026-123-016-070	SBT40 x ER16M - 70	135.4	70	38	22	21	M10 x 1.5P	1 ~ 10	1.08
5026-123-016-100	SBT40 x ER16M - 100	165.4	100	63	22	21	M10 x 1.5P	1 ~ 10	1.16
5026-123-016-125	SBT40 x ER16M - 125	190.4	125	88	22	21	M10 x 1.5P	1 ~ 10	1.20
5026-123-016-150	SBT40 x ER16M - 150	215.4	150	113	22	21	M10 x 1.5P	1 ~ 10	1.28
5026-123-020-070	SBT40 x ER20M - 70	135.4	70	38	28	27	M12 x 1.75P	1 ~ 13	1.10
5026-123-020-100	SBT40 x ER20M - 100	165.4	100	63	28	27	M12 x 1.75P	1 ~ 13	1.24
5026-123-020-125	SBT40 x ER20M - 125	190.4	125	88	28	27	M12 x 1.75P	1 ~ 13	1.30
5026-123-020-150	SBT40 x ER20M - 150	215.4	150	113	28	27	M12 x 1.75P	1 ~ 13	1.44

Features:

- ▶ This ER tool holder has superior flexibility for use with all tool types, e.g. drills, taps, mills, reamers.
- ▶ It is recommended to tighten the clamping nuts using a torque wrench. Refer to the catalogue page of ER POWER GOOD NUT for the info. of recommended tightening torque.

Product information:

- ▶ AD+B type is available, please inform us when making an order.
- ▶ SBT30 tool holders are without coolant supply over collars.

Standard Accessory: • NUT

Collet	Nut	Pull Stud	Spanner	Torque Wrench Adapter (Pull Stud)	Spanner (Pull Stud)	Preset Screw
P.X-19~45	P.X-64	P.X-72~73	P.X-81~82,87~88,91	P.X-85	P.X-86	P.X-121



SBT / ER TOOL HOLDER

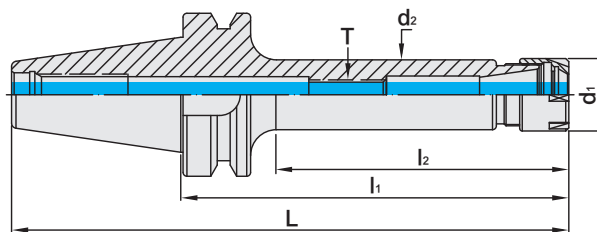
M TYPE

SBT



SBT / ER 法蘭加厚型刀桿 [M 型]

(ISO 15488)



MODEL NO.	TYPE	L	l ₁	l ₂	d ₁	d ₂	T	SIZE RANGE	WEIGHT (KGS)
5027-123-011-070	SBT50 x ER11M - 70	171.8	70	22	16	15	M6 x 1.0P	1 ~ 7	3.80
5027-123-011-090	SBT50 x ER11M - 90	191.8	90	42	16	15	M6 x 1.0P	1 ~ 7	3.90
5027-123-011-105	SBT50 x ER11M - 105	206.8	105	57	16	15	M6 x 1.0P	1 ~ 7	4.00
5027-123-011-135	SBT50 x ER11M - 135	236.8	135	87	16	15	M6 x 1.0P	1 ~ 7	4.10
5027-123-011-165	SBT50 x ER11M - 165	266.8	165	92	16	15	M6 x 1.0P	1 ~ 7	4.20
5027-123-016-070	SBT50 x ER16M - 70	171.8	70	29	22	21	M10 x 1.5P	1 ~ 10	3.90
5027-123-016-090	SBT50 x ER16M - 90	191.8	90	42	22	21	M10 x 1.5P	1 ~ 10	4.00
5027-123-016-105	SBT50 x ER16M - 105	206.8	105	57	22	21	M10 x 1.5P	1 ~ 10	4.10
5027-123-016-135	SBT50 x ER16M - 135	236.8	135	87	22	21	M10 x 1.5P	1 ~ 10	4.20
5027-123-016-165	SBT50 x ER16M - 165	266.8	165	117	22	21	M10 x 1.5P	1 ~ 10	4.30
5027-123-020-090	SBT50 x ER20M - 90	191.8	90	42	28	27	M12 x 1.75P	1 ~ 13	4.10
5027-123-020-105	SBT50 x ER20M - 105	206.8	105	57	28	27	M12 x 1.75P	1 ~ 13	4.20
5027-123-020-135	SBT50 x ER20M - 135	236.8	135	87	28	27	M12 x 1.75P	1 ~ 13	4.40
5027-123-020-165	SBT50 x ER20M - 165	266.8	165	117	28	27	M12 x 1.75P	1 ~ 13	4.60

Features:

- ▶ This ER tool holder has superior flexibility for use with all tool types, e.g. drills, taps, mills, reamers.
- ▶ It is recommended to tighten the clamping nuts using a torque wrench. Refer to the catalogue page of ER POWER GOOD NUT for the info. of recommended tightening torque.

Product information:

- ▶ AD+B type is available, please inform us when making an order.

Standard Accessory: • NUT

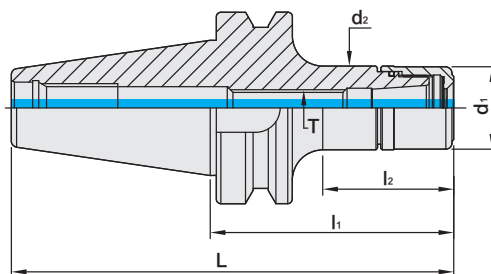
Collet	Nut	Pull Stud	Spanner	Torque Wrench Adapter (Pull Stud)	Spanner (Pull Stud)	Preset Screw
P.X-19~45	P.X-64	P.X-72~73	P.X-81~82,87~88,91	P.X-85	P.X-86	P.X-121



SBT / SK3 COLLET CHUCK



SBT / SK3 法蘭加厚型高速機專用夾頭



MODEL NO.	TYPE	L	l ₁	l ₂	d ₁	d ₂	T	SIZE RANGE	WEIGHT (KGS)
5025-763-006-060	SBT30 x SK306 - 60	108.4	60	33	19.5	19.5	M8 x 1.25P	1 ~ 6	0.90
5025-763-006-080	SBT30 x SK306 - 80	128.4	80	53	19.5	19.5	M8 x 1.25P	1 ~ 6	1.00
5025-763-010-060	SBT30 x SK310 - 60	108.4	60	35	27.5	27.5	M12 x 1.75P	2 ~ 10	0.90
5025-763-010-080	SBT30 x SK310 - 80	128.4	80	55	27.5	27.5	M12 x 1.75P	2 ~ 10	1.00
5025-763-013-060	SBT30 x SK313 - 60	108.4	60	35	33	33	M12 x 1.75P	2 ~ 13	1.10
5025-763-013-080	SBT30 x SK313 - 80	128.4	80	55	33	33	M12 x 1.75P	2 ~ 13	1.00
5025-763-016-060	SBT30 x SK316 - 60	108.4	60	38	40	40	M18 x 1.5P	2 ~ 16	1.20
5025-763-016-080	SBT30 x SK316 - 80	128.4	80	57	40	40	M18 x 1.5P	2 ~ 16	1.30
5025-763-020-060	SBT30 x SK320 - 60	108.4	60	38	48	-	-	3 ~ 20	0.60
5025-763-020-090	SBT30 x SK320 - 90	138.4	90	68	48	48.5	M22x1.5P	3 ~ 20	1.00
5026-763-006-080	SBT40 x SK306 - 80	145.4	80	43	19.5	19.5	M8 x 1.25P	1 ~ 6	1.10
5026-763-006-100	SBT40 x SK306 - 100	165.4	100	63	19.5	19.5	M8 x 1.25P	1 ~ 6	1.30
5026-763-006-120	SBT40 x SK306 - 120	185.4	120	83	19.5	19.5	M8 x 1.25P	1 ~ 6	1.40
5026-763-010-080	SBT40 x SK310 - 80	145.4	80	43	27.5	27.5	M12 x 1.75P	2 ~ 10	1.10
5026-763-010-100	SBT40 x SK310 - 100	165.4	100	63	27.5	27.5	M12 x 1.75P	2 ~ 10	1.30
5026-763-010-120	SBT40 x SK310 - 120	185.4	120	83	27.5	27.5	M12 x 1.75P	2 ~ 10	1.40
5026-763-013-080	SBT40 x SK313 - 80	145.4	80	50	33	33	M12 x 1.75P	2 ~ 13	1.10
5026-763-013-100	SBT40 x SK313 - 100	165.4	100	70	33	33	M12 x 1.75P	2 ~ 13	1.30
5026-763-013-120	SBT40 x SK313 - 120	185.4	120	90	33	33	M12 x 1.75P	2 ~ 13	1.40
5026-763-016-080	SBT40 x SK316 - 80	145.4	80	48	40	40	M18 x 1.5P	2 ~ 16	1.20
5026-763-016-100	SBT40 x SK316 - 100	165.4	100	68	40	40	M18 x 1.5P	2 ~ 16	1.40
5026-763-016-120	SBT40 x SK316 - 120	185.4	120	88	40	40	M18 x 1.5P	2 ~ 16	1.50
5026-763-020-090	SBT40 x SK320 - 90	155.4	90	60	48	48.5	M22 x 1.5P	3 ~ 20	1.50
5026-763-020-120	SBT40 x SK320 - 120	185.4	120	90	48	48.5	M22 x 1.5P	3 ~ 20	1.90
5026-763-025-090	SBT40 x SK325 - 90	155.4	90	61	55	55	M28 x 2.0P	3 ~ 25.4	1.60
5026-763-025-120	SBT40 x SK325 - 120	185.4	120	91	55	55	M28 x 2.0P	3 ~ 25.4	2.10

Features:

- ▶ Using 4° taper angle collets achieves higher clamping power and stability than 8° design of the ER system.
- ▶ Smaller OD nuts without slots are ideal for high-speed machining with less interference.
- ▶ Dustproof design of adding O rings prevents metal chips and coolants from getting into tool holders.

Product information:

- ▶ Higher balancing grade and revolution can be done upon request but additional charge is needed.
- ▶ AD+B type is available, please inform us when making an order.
- ▶ SBT30 tool holders are without coolant supply over collars.

Standard Accessory: • NUT

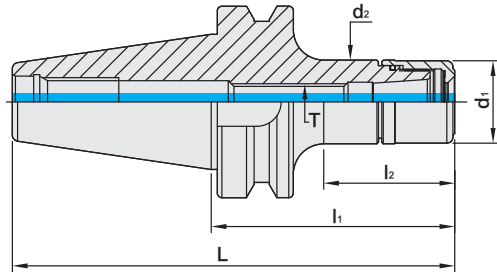
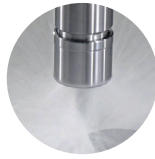
Collet	Nut	Pull Stud	Spanner	Torque Wrench Adapter (Pull Stud)	Spanner (Pull Stud)	Preset Screw
P.X-46~48	P.X-68	P.X-72~73	P.X-81,83~84,91	P.X-85	P.X-86	P.X-121



SBT / SK3 COLLET CHUCK



SBT / SK3 法蘭加厚型高速機專用夾頭



MODEL NO.	TYPE	L	l ₁	l ₂	d ₁	d ₂	T	SIZE RANGE	WEIGHT (KGS)
5027-763-006-080	SBT50 x SK306 - 80	181.8	80	34	19.5	19.5	M8 x 1.25P	1 ~ 6	4.00
5027-763-006-100	SBT50 x SK306 - 100	201.8	100	54	19.5	19.5	M8 x 1.25P	1 ~ 6	4.10
5027-763-006-120	SBT50 x SK306 - 120	221.8	120	61	19.5	19.5	M8 x 1.25P	1 ~ 6	4.20
5027-763-010-080	SBT50 x SK310 - 80	181.8	80	39	27.5	27.5	M12 x 1.75P	2 ~ 10	4.10
5027-763-010-100	SBT50 x SK310 - 100	201.8	100	57	27.5	27.5	M12 x 1.75P	2 ~ 10	4.20
5027-763-010-120	SBT50 x SK310 - 120	221.8	120	79	27.5	27.5	M12 x 1.75P	2 ~ 10	4.30
5027-763-013-080	SBT50 x SK313 - 80	181.8	80	39	33	33	M12 x 1.75P	2 ~ 13	4.20
5027-763-013-100	SBT50 x SK313 - 100	201.8	100	52	33	33	M12 x 1.75P	2 ~ 13	4.30
5027-763-013-120	SBT50 x SK313 - 120	221.8	120	79	33	33	M12 x 1.75P	2 ~ 13	4.40
5027-763-016-080	SBT50 x SK316 - 80	181.8	80	40	40	40	M18 x 1.5P	2 ~ 16	4.30
5027-763-016-100	SBT50 x SK316 - 100	201.8	100	57	40	40	M18 x 1.5P	2 ~ 16	4.40
5027-763-016-120	SBT50 x SK316 - 120	221.8	120	72	40	40	M18 x 1.5P	2 ~ 16	4.50
5027-763-020-105	SBT50 x SK320 - 105	206.8	105	62	48	48.5	M22 x 1.5P	3 ~ 20	4.10
5027-763-020-135	SBT50 x SK320 - 135	236.8	135	92	48	48.5	M22 x 1.5P	3 ~ 20	4.60
5027-763-025-105	SBT50 x SK325 - 105	206.8	105	62	55	55	M28 x 2.0P	3 ~ 25.4	4.20
5027-763-025-150	SBT50 x SK325 - 150	251.8	150	107	55	55	M28 x 2.0P	3 ~ 25.4	4.90

Features:

- ▶ Using 4° taper angle collets achieves higher clamping power and stability than 8° design of the ER system.
- ▶ Smaller OD nuts without slots are ideal for high-speed machining with less interference.
- ▶ Dustproof design of adding O rings prevents metal chips and coolants from getting into tool holders.

Product information:

- ▶ Higher balancing grade and revolution can be done upon request but additional charge is needed.
- ▶ AD+B type is available, please inform us when making an order.

Standard Accessory: • NUT

Collet	Nut	Pull Stud	Spanner	Torque Wrench Adapter (Pull Stud)	Spanner (Pull Stud)	Preset Screw
P.X-46~48	P.X-68	P.X-72~73	P.X-81,83~84,91	P.X-85	P.X-86	P.X-121



USC ULTIMATE SIDE CLAMPING CHUCK

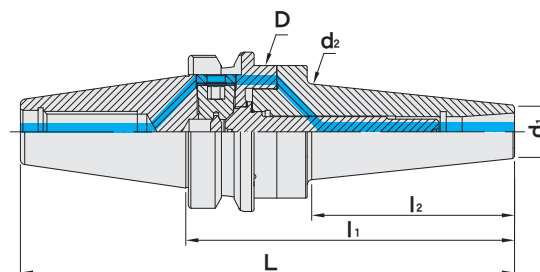
Dual
DRIVE+BALANCE
G2.5
25,000 RPM

USC 進化型側邊鎖固刀桿

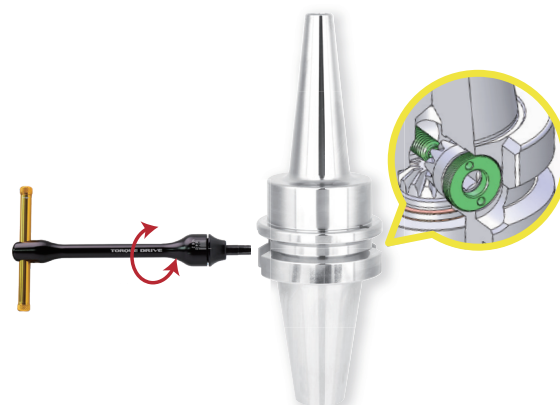
〔SBL TYPE〕



TW PAT NO. M609255
CN PAT NO. ZL202120238031.6



MODEL NO.	TYPE	L	l ₁	l ₂	D	d ₁	d ₂	SIZE RANGE	WEIGHT (KGS)
5025-749-006-130	SBT30 x USC6L - 130	178.8	130	57.5	52.4	14	26	3 ~ 6	1.39
5025-749-012-130	SBT30 x USC12L - 130	178.4	130	60	52.4	26	31.2	3 ~ 12	1.95
5026-749-006-130	SBT40 x USC6L - 130	195.4	130	77.5	52.4	14	30.2	3 ~ 6	1.51
5026-749-012-130	SBT40 x USC12L - 130	195.4	130	80	52.4	26	32.9	3 ~ 12	2.12



Features:

- ▶ Clamp and unclamp from the side. Quick tool change!
- ▶ The enlarged neck of the tool holder improves machining rigidity.
- ▶ The USC design w/o nut is good for interference reduction.
- ▶ USC is available with center coolant, which effectively removes metal chips, extends tool life and improves surface finish of workpiece.

Collet	Pull Stud	Torque Wrench Adapter (Pull Stud)	Spanner (Pull Stud)	Spanner	FIXED VALUE TORQUE WRENCH
P.X-49~51	P.X-72~73	P.X-81, 85	P.X-86	P.X-89	P.X-90

USC ULTIMATE SIDE CLAMPING CHUCK

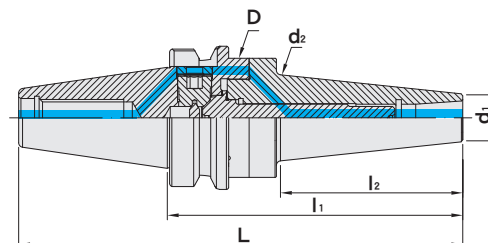
Dual
DRIVE+BALANCE
G2.5
25,000 RPM

USC 進化型側邊鎖固刀桿

〔EBL TYPE〕



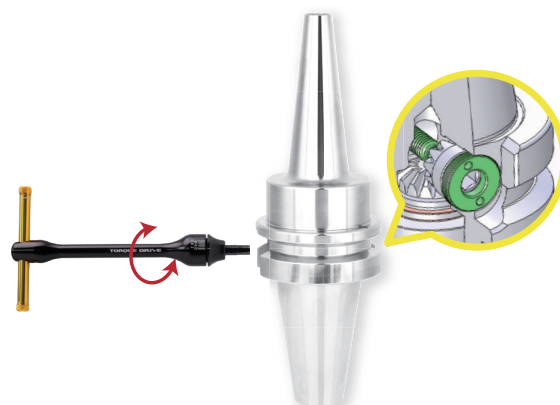
TW PAT NO. M609255
CN PAT NO. ZL202120238031.6



MODEL NO.	TYPE	L	l ₁	l ₂	D	d ₁	d ₂	SIZE RANGE	WEIGHT (KGS)
5026-747-006-150	SBT40 x USC6B - 150	215.4	150	97.2	52.4	19.05	28.5	3 ~ 6	1.63
5026-747-006-200	SBT40 x USC6B - 200	265.4	200	150	52.4	19.05	33.7	3 ~ 6	1.86

Features:

- ▶ Clamp and unclamp from the side. Quick tool change!
- ▶ The enlarged neck of the tool holder improves machining rigidity.
- ▶ The USC design w/o nut is good for interference reduction.
- ▶ USC is available with center coolant, which effectively removes metal chips, extends tool life and improves surface finish of workpiece.



Collet	Pull Stud	Torque Wrench Adapter (Pull Stud)	Spanner (Pull Stud)	Spanner	FIXED VALUE TORQUE WRENCH
P.X-52	P.X-72~73	P.X-81, 85	P.X-86	P.X-89	P.X-90



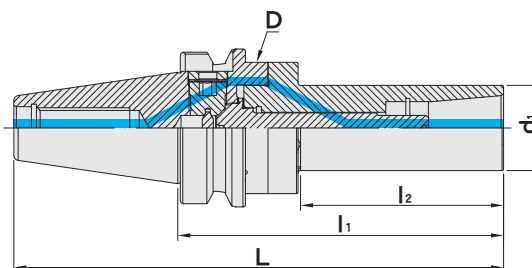
USC ULTIMATE SIDE CLAMPING CHUCK

**Dual
DRIVE+**

**BALANCE
G2.5
25,000 RPM**

USC 進化型側邊鎖固刀桿

[SFS TYPE]

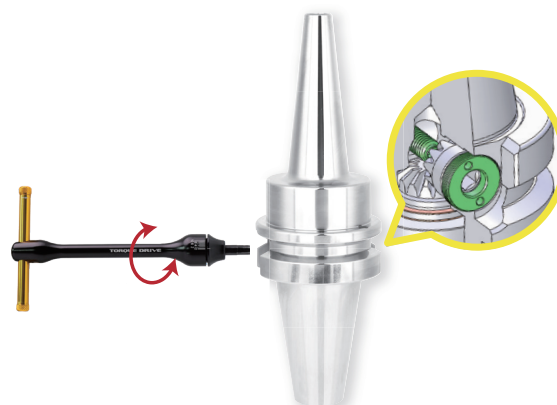


TW PAT NO. M609255
CN PAT NO. ZL202120238031.6

MODEL NO.	TYPE	L	l ₁	l ₂	D	d ₁	WEIGHT (KGS)
5026-750-012-150	SBT40 x USC12S - 150	215.4	150	101	52.4	34	1.51

Features:

- ▶ Clamp and unclamp from the side. Quick tool change!
- ▶ The enlarged neck of the tool holder improves machining rigidity.
- ▶ The USC design w/o nut is good for interference reduction.
- ▶ USC is available with center coolant, which effectively removes metal chips, extends tool life and improves surface finish of workpiece.



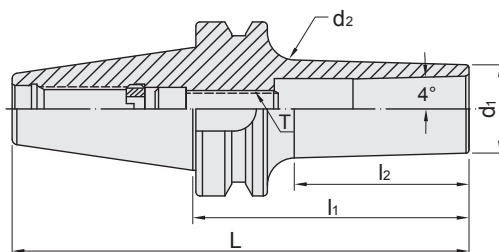
SFS Extension	MFS Extension	Pull Stud	Torque Wrench Adapter (Pull Stud)	Spanner (Pull Stud)	Spanner	FIXED VALUE TORQUE WRENCH
P.Q-120	P.Q-121~123	P.X-72~73	P.X-81, 85	P.X-86	P.X-89	P.X-90

SBT / SBL SLIM-FIT COLLET CHUCK

SBT



SBT / SBL 法蘭加厚型後拉式立銑刀夾頭



MODEL NO.	TYPE	L	l ₁	l ₂	d ₁	d ₂	T	RECOMMENDED TORQUE		SIZE RANGE	WEIGHT (KGS)
								N.m	lbf-ft		
5025-648-006-070	SBT30 x SBL6 - 70	118.4	70	38	14	18	M6 x 1.0P	12	9	3 ~ 6	0.60
5025-648-006-100	SBT30 x SBL6 - 100	148.4	100	68	14	21	M6 x 1.0P	12	9	3 ~ 6	1.25
5025-648-012-070	SBT30 x SBL12 - 70	118.4	70	47	26	33	M10 x 1.5P	45	33	3 ~ 12	1.20
5025-648-012-100	SBT30 x SBL12 - 100	148.4	100	77	26	38	M10 x 1.5P	45	33	3 ~ 12	1.45
5025-648-020-080	SBT30 x SBL20 - 80	128.4	80	55	34	37	M12 x 1.75P	60	44	3 ~ 20	1.20
5025-648-020-100	SBT30 x SBL20 - 100	148.4	100	77	34	39	M12 x 1.75P	60	44	3 ~ 20	1.45
5026-648-006-070	SBT40 x SBL6 - 70	135.4	70	28	14	17	M6 x 1.0P	12	9	3 ~ 6	1.07
5026-648-006-100	SBT40 x SBL6 - 100	165.4	100	58	14	20	M6 x 1.0P	12	9	3 ~ 6	1.14
5026-648-006-130	SBT40 x SBL6 - 130	195.4	130	88	14	23	M6 x 1.0P	12	9	3 ~ 6	1.23
5026-648-008-100	SBT40 x SBL8 - 100	165.4	100	58.7	20	26.1	M8 x 1.25P	29	21	3 ~ 8	1.25
5026-648-008-130	SBT40 x SBL8 - 130	195.4	130	93.5	20	29.8	M8 x 1.25P	29	21	3 ~ 8	1.38
5026-648-008-150	SBT40 x SBL8 - 150	215.4	150	113.5	20	31.8	M8 x 1.25P	29	21	3 ~ 8	1.50
5026-648-012-070	SBT40 x SBL12 - 70	135.4	70	33	26	31	M10 x 1.5P	45	33	3 ~ 12	1.14
5026-648-012-100	SBT40 x SBL12 - 100	165.4	100	63	26	31	M10 x 1.5P	45	33	3 ~ 12	1.29
5026-648-012-130	SBT40 x SBL12 - 130	195.4	130	93	26	34	M10 x 1.5P	45	33	3 ~ 12	1.47
5026-648-012-170	SBT40 x SBL12 - 170	235.4	170	133	26	37	M10 x 1.5P	45	33	3 ~ 12	1.76
5026-648-020-070	SBT40 x SBL20 - 70	135.4	70	33	35	38	M12 x 1.75P	60	44	3 ~ 20	1.50
5026-648-020-100	SBT40 x SBL20 - 100	165.4	100	68	35	40	M12 x 1.75P	60	44	3 ~ 20	1.70
5026-648-020-130	SBT40 x SBL20 - 130	195.4	130	98	35	43	M12 x 1.75P	60	44	3 ~ 20	1.74
5026-648-025-080	SBT40 x SBL25 - 80	145.4	80	50.1	40	44.3	M16 x 1.5P	90	66	6 ~ 25.4	1.70
5026-648-025-100	SBT40 x SBL25 - 100	165.4	100	70.1	40	46.1	M16 x 1.5P	90	66	6 ~ 25.4	1.90

Features:

- ▶ The design of non-clamping nut and slim front ends reduces interference, ideal for deep hole machining.
- ▶ Taper angle 4° increases the stability of clamping precision.
- ▶ T.I.R. is within 5μm at 4D distance.

Product information:

- ▶ Higher balancing grade and revolution can be done upon request but additional charge is needed.

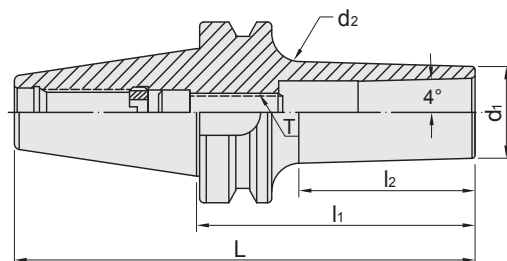
Collet	Pull Stud	Torque Wrench Adapter (Pull Stud)	Spanner (Pull Stud)	Spanner	Screw
P.X-49	P.X-72~73	P.X-81, 85	P.X-86	P.X-89	P.X-125



SBT / SBL SLIM-FIT COLLET CHUCK

Dual
DRIVE+5 μ mBALANCE
G2.5
25,000 RPM

SBT / SBL 法蘭加厚型後拉式立銑刀夾頭



MODEL NO.	TYPE	L	l ₁	l ₂	d ₁	d ₂	T	RECOMMENDED TORQUE		SIZE RANGE	WEIGHT (KGS)
								N.m	1bf-ft		
5027-648-006-070	SBT50 x SBL6 - 70	171.8	70	17	14	15	M6 x 1.0P	12	9	3 ~ 6	4.00
5027-648-006-100	SBT50 x SBL6 - 100	201.8	100	47	14	19	M6 x 1.0P	12	9	3 ~ 6	4.10
5027-648-008-100	SBT50 x SBL8 - 100	201.8	100	47.7	20	25	M8 x 1.25P	29	21	3 ~ 8	3.78
5027-648-008-130	SBT50 x SBL8 - 130	231.8	130	77.7	20	28.1	M8 x 1.25P	29	21	3 ~ 8	3.92
5027-648-008-150	SBT50 x SBL8 - 150	251.8	150	97.7	20	30.2	M8 x 1.25P	29	21	3 ~ 8	4.04
5027-648-012-070	SBT50 x SBL12 - 70	171.8	70	22	26	28	M10 x 1.5P	45	33	3 ~ 12	4.20
5027-648-012-100	SBT50 x SBL12 - 100	201.8	100	52	26	30	M10 x 1.5P	45	33	3 ~ 12	4.30
5027-648-012-125	SBT50 x SBL12 - 125	226.8	125	77	26	32	M10 x 1.5P	45	33	3 ~ 12	4.40
5027-648-020-070	SBT50 x SBL20 - 70	171.8	70	22	35	36	M12 x 1.75P	60	44	3 ~ 20	4.60
5027-648-020-100	SBT50 x SBL20 - 100	201.8	100	52	35	39	M12 x 1.75P	60	44	3 ~ 20	4.70
5027-648-020-125	SBT50 x SBL20 - 125	226.8	125	77	35	41	M12 x 1.75P	60	44	3 ~ 20	4.22
5027-648-025-070	SBT50 x SBL25 - 70	171.8	70	22.4	40	41.9	M16 x 1.5P	90	66	6 ~ 25.4	4.80
5027-648-025-100	SBT50 x SBL25 - 100	201.8	100	52.4	40	44.5	M16 x 1.5P	90	66	6 ~ 25.4	5.00

Features:

- ▶ The design of non-clamping nut and slim front ends reduces interference, ideal for deep hole machining.
- ▶ Taper angle 4° increases the stability of clamping precision.
- ▶ T.I.R. is within 5 μ m at 4D distance.

Product information:

- ▶ Higher balancing grade and revolution can be done upon request but additional charge is needed.

Collet	Pull Stud	Torque Wrench Adapter (Pull Stud)	Spanner (Pull Stud)	Spanner	Screw
P.X-49	P.X-72~73	P.X-81, 85	P.X-86	P.X-89	P.X-125

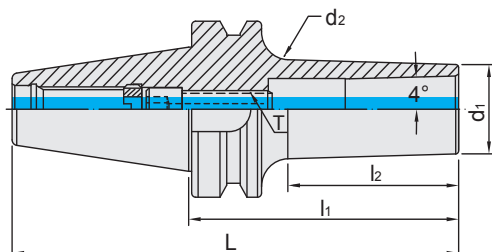


SBT / SBLC SLIM-FIT COLLET CHUCK

SBT



SBT / SBLC 法蘭加厚型後拉式立銑刀夾頭



MODEL NO.	TYPE	L	l ₁	l ₂	d ₁	d ₂	T	RECOMMENDED TORQUE		SIZE RANGE	WEIGHT (KGS)
								N.m	1bf-ft		
5025-623-006-070	SBT30 x SBLC6 - 70	118.4	70	38	14	18	M6 x 1.0P	12	9	3 ~ 6	0.60
5025-623-006-100	SBT30 x SBLC6 - 100	148.4	100	68	14	21	M6 x 1.0P	12	9	3 ~ 6	1.25
5025-623-012-070	SBT30 x SBLC12 - 70	118.4	70	47	26	33	M10 x 1.5P	45	33	3 ~ 12	1.20
5025-623-012-100	SBT30 x SBLC12 - 100	148.4	100	77	26	38	M10 x 1.5P	45	33	3 ~ 12	1.45
5025-623-020-080	SBT30 x SBLC20 - 80	128.4	80	55	34	37	M12 x 1.75P	60	44	3 ~ 20	1.20
5025-623-020-100	SBT30 x SBLC20 - 100	148.4	100	77	34	39	M12 x 1.75P	60	44	3 ~ 20	1.45
5026-623-006-070	SBT40 x SBLC6 - 70	135.4	70	28	14	17	M6 x 1.0P	12	9	3 ~ 6	1.07
5026-623-006-100	SBT40 x SBLC6 - 100	165.4	100	58	14	20	M6 x 1.0P	12	9	3 ~ 6	1.14
5026-623-006-130	SBT40 x SBLC6 - 130	195.4	130	88	14	23	M6 x 1.0P	12	9	3 ~ 6	1.23
5026-623-008-100	SBT40 x SBLC8 - 100	165.4	100	58.7	20	26.1	M8 x 1.25P	29	21	3 ~ 8	1.25
5026-623-008-130	SBT40 x SBLC8 - 130	195.4	130	93.5	20	29.8	M8 x 1.25P	29	21	3 ~ 8	1.38
5026-623-008-150	SBT40 x SBLC8 - 150	215.4	150	113.5	20	31.8	M8 x 1.25P	29	21	3 ~ 8	1.50
5026-623-012-070	SBT40 x SBLC12 - 70	135.4	70	33	26	31	M10 x 1.5P	45	33	3 ~ 12	1.14
5026-623-012-100	SBT40 x SBLC12 - 100	165.4	100	63	26	31	M10 x 1.5P	45	33	3 ~ 12	1.29
5026-623-012-130	SBT40 x SBLC12 - 130	195.4	130	93	26	34	M10 x 1.5P	45	33	3 ~ 12	1.47
5026-623-012-170	SBT40 x SBLC12 - 170	235.4	170	133	26	37	M10 x 1.5P	45	33	3 ~ 12	1.76
5026-623-012-200	SBT40 x SBLC12 - 200	265.4	200	168	26	40	M10 x 1.5P	45	33	3 ~ 12	1.92
5026-623-020-070	SBT40 x SBLC20 - 70	135.4	70	33	35	38	M12 x 1.75P	60	44	3 ~ 20	1.50
5026-623-020-100	SBT40 x SBLC20 - 100	165.4	100	68	35	40	M12 x 1.75P	60	44	3 ~ 20	1.70
5026-623-020-130	SBT40 x SBLC20 - 130	195.4	130	98	35	43	M12 x 1.75P	60	44	3 ~ 20	1.74
5026-623-025-080	SBT40 x SBLC25 - 80	145.4	80	50.1	40	44.3	M16 x 1.5P	90	66	6 ~ 25.4	1.70
5026-623-025-100	SBT40 x SBLC25 - 100	165.4	100	70.1	40	46.1	M16 x 1.5P	90	66	6 ~ 25.4	1.90

Features:

- ▶ SBLC collet chuck used for center coolant improves the metal chip removal capability and the surface finish of the workpiece.
- ▶ The design of non-clamping nut and slim front ends reduces interference, ideal for deep hole machining.
- ▶ T.I.R. is within 5μm at 4D distance.
- ▶ Taper angle 4° increases the stability of clamping precision.

Product information:

- ▶ Higher balancing grade and revolution can be done upon request but additional charge is needed.
- ▶ AD+B type is available, please inform us when making an order.
- ▶ SBT30 tool holders are without coolant supply over collars.
- ▶ Used with SLC sealed collet and coolant through cutters.

Standard Accessory: • SPANNER

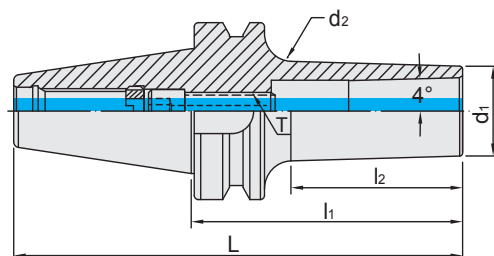
Sealed Collet	Pull Stud	Torque Wrench Adapter (Pull Stud)	Spanner (Pull Stud)	Spanner	Screw
P.X-50~51	P.X-72~73	P.X-81, 85	P.X-86	P.X-89	P.X-125



SBT / SBLC SLIM-FIT COLLET CHUCK



SBT / SBLC 法蘭加厚型後拉式立銑刀夾頭



MODEL NO.	TYPE	L	l ₁	l ₂	d ₁	d ₂	T	RECOMMENDED TORQUE		SIZE RANGE	WEIGHT (KGS)
								N.m	1bf-ft		
5027-623-006-070	SBT50 x SBLC6 - 70	171.8	70	17	14	15	M6 x 1.0P	12	9	3 ~ 6	4.00
5027-623-006-100	SBT50 x SBLC6 - 100	201.8	100	47	14	19	M6 x 1.0P	12	9	3 ~ 6	4.10
5027-623-008-100	SBT50 x SBLC8 - 100	201.8	100	47.7	20	25	M8 x 1.25P	29	21	3 ~ 8	3.78
5027-623-008-130	SBT50 x SBLC8 - 130	231.8	130	77.7	20	28.1	M8 x 1.25P	29	21	3 ~ 8	3.92
5027-623-008-150	SBT50 x SBLC8 - 150	251.8	150	97.7	20	30.2	M8 x 1.25P	29	21	3 ~ 8	4.04
5027-623-012-070	SBT50 x SBLC12 - 70	171.8	70	22	26	28	M10 x 1.5P	45	33	3 ~ 12	4.20
5027-623-012-100	SBT50 x SBLC12 - 100	201.8	100	52	26	30	M10 x 1.5P	45	33	3 ~ 12	4.30
5027-623-012-125	SBT50 x SBLC12 - 125	226.8	125	77	26	32	M10 x 1.5P	45	33	3 ~ 12	4.40
5027-623-020-070	SBT50 x SBLC20 - 70	171.8	70	22	35	36	M12 x 1.75P	60	44	3 ~ 20	4.60
5027-623-020-100	SBT50 x SBLC20 - 100	201.8	100	52	35	39	M12 x 1.75P	60	44	3 ~ 20	4.70
5027-623-020-125	SBT50 x SBLC20 - 125	226.8	125	77	35	41	M12 x 1.75P	60	44	3 ~ 20	4.22
5027-623-025-070	SBT50 x SBLC25 - 70	171.8	70	22.4	40	41.9	M16 x 1.5P	90	66	6 ~ 25.4	4.80
5027-623-025-100	SBT50 x SBLC25 - 100	201.8	100	52.4	40	44.5	M16 x 1.5P	90	66	6 ~ 25.4	5.00

Features:

- ▶ SBLC collet chuck used for center coolant improves the metal chip removal capability and the surface finish of the workpiece.
- ▶ The design of non-clamping nut and slim front ends reduces interference, ideal for deep hole machining.
- ▶ T.I.R. is within 5µm at 4D distance.
- ▶ Taper angle 4° increases the stability of clamping precision.

Product information:

- ▶ Higher balancing grade and revolution can be done upon request but additional charge is needed.
- ▶ AD+B type is available, please inform us when making an order.
- ▶ Used with SLC sealed collet and coolant through cutters.

Standard Accessory: • SPANNER

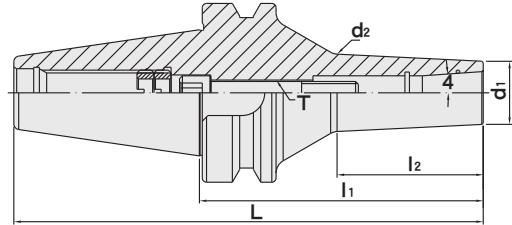
Sealed Collet	Pull Stud	Torque Wrench Adapter (Pull Stud)	Spanner (Pull Stud)	Spanner	Screw
P.X-50~51	P.X-72~73	P.X-81, 85	P.X-86	P.X-89	P.X-125

SBT / EBL SLIM-FIT COLLET CHUCK

SBT



SBT / EBL 法蘭加厚型後拉式刀桿



MODEL NO.	TYPE	L	l ₁	l ₂	d ₁	d ₂	T	RECOMMENDED TORQUE		SIZE RANGE	WEIGHT (KGS)
								N.m	lbf-ft		
5025-277-006-070	SBT30 x EBL6 - 70	118.4	70	40.6	19.05	23	M6 x 1.0P	12	9	3 ~ 6	0.51
5025-277-006-100	SBT30 x EBL6 - 100	148.4	100	72.2	19.05	26	M6 x 1.0P	12	9	3 ~ 6	0.62
5026-277-006-070	SBT40 x EBL6 - 70	135.4	70	29.9	19.05	21.9	M6 x 1.0P	12	9	3 ~ 6	1.10
5026-277-006-100	SBT40 x EBL6 - 100	165.4	100	61.4	19.05	25	M6 x 1.0P	12	9	3 ~ 6	1.20
5026-277-008-070	SBT40 x EBL8 - 70	135.4	70	28.2	22.225	24.9	M8 x 1.25P	29	21	3 ~ 8	1.12
5026-277-008-100	SBT40 x EBL8 - 100	165.4	100	51.5	22.225	27.6	M8 x 1.25P	29	21	3 ~ 8	1.24
5027-277-006-070	SBT50 x EBL6 - 70	171.8	70	18.3	19.05	20.8	M6 x 1.0P	12	9	3 ~ 6	3.68
5027-277-006-100	SBT50 x EBL6 - 100	201.8	100	49.9	19.05	23.9	M6 x 1.0P	12	9	3 ~ 6	3.77
5027-277-008-070	SBT50 x EBL8 - 70	171.8	70	16.6	22.225	23.8	M8 x 1.25P	29	21	3 ~ 8	3.74
5027-277-008-100	SBT50 x EBL8 - 100	201.8	100	48.2	22.225	26.9	M8 x 1.25P	29	21	3 ~ 8	3.84



▶ SBL



▶ EBL

Features:

- ▶ EBL collet with extended length shortens tool overhanging length and improves the machining stability.
- ▶ The optimized design of thicker neck improves the machining rigidity and eliminates vibration, resulting in excellent surface finish of workpiece.

Product information:

- ▶ AD+B type is available, please inform us when making an order.
- ▶ SBT30 tool holders are without coolant supply over collars.

Standard Accessory: • SPANNER

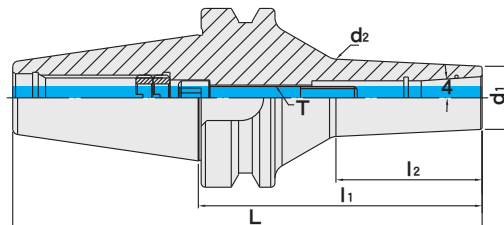
Collet	Pull Stud	Torque Wrench Adapter (Pull Stud)	Spanner (Pull Stud)	Spanner	Screw
P.X-52	P.X-72~73	P.X-81, 85	P.X-86	P.X-89	P.X-125



SBT / EBLC SLIM-FIT COLLET CHUCK



SBT / EBLC 法蘭加厚型後拉式刀桿



MODEL NO.	TYPE	L	l ₁	l ₂	d ₁	d ₂	T	RECOMMENDED TORQUE		SIZE RANGE	WEIGHT (KGS)
								N.m	lbf-ft		
5025-195-006-070	SBT30 x EBLC6 - 70	118.4	70	40.6	19.05	23	M6 x 1.0P	12	9	3 ~ 6	0.51
5025-195-006-100	SBT30 x EBLC6 - 100	148.4	100	72.2	19.05	26	M6 x 1.0P	12	9	3 ~ 6	0.62
5026-195-006-070	SBT40 x EBLC6 - 70	135.4	70	29.9	19.05	21.9	M6 x 1.0P	12	9	3 ~ 6	1.10
5026-195-006-100	SBT40 x EBLC6 - 100	165.4	100	61.4	19.05	25	M6 x 1.0P	12	9	3 ~ 6	1.20
5026-195-008-070	SBT40 x EBLC8 - 70	135.4	70	28.2	22.225	24.9	M8 x 1.25P	29	21	3 ~ 8	1.12
5026-195-008-100	SBT40 x EBLC8 - 100	165.4	100	51.5	22.225	27.6	M8 x 1.25P	29	21	3 ~ 8	1.24
5027-195-006-070	SBT50 x EBLC6 - 70	171.8	70	18.3	19.05	20.8	M6 x 1.0P	12	9	3 ~ 6	3.68
5027-195-006-100	SBT50 x EBLC6 - 100	201.8	100	49.9	19.05	23.9	M6 x 1.0P	12	9	3 ~ 6	3.77
5027-195-008-070	SBT50 x EBLC8 - 70	171.8	70	16.6	22.225	23.8	M8 x 1.25P	29	21	3 ~ 8	3.74
5027-195-008-100	SBT50 x EBLC8 - 100	201.8	100	48.2	22.225	26.9	M8 x 1.25P	29	21	3 ~ 8	3.84



▶ SBLC



▶ EBLC

Features:

- ▶ EBLC collet chuck used for center coolant improves the metal chip removal capability and the surface finish of the workpiece.
- ▶ EBL collet with extended length shortens tool overhanging length and improves the machining stability.
- ▶ The optimized design of thicker neck improves the machining rigidity and eliminates vibration, resulting in excellent surface finish of workpiece.
- ▶ EBL sealed collet is capable of coolant pressure up to 25bar.

Product information:

- ▶ AD+B type is available, please inform us when making an order.
- ▶ SBT30 tool holders are without coolant supply over collars.

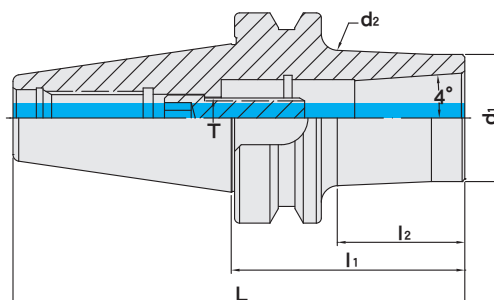
Standard Accessory: • SPANNER

Collet	Pull Stud	Torque Wrench Adapter (Pull Stud)	Spanner (Pull Stud)	Spanner	Screw
P.X-52	P.X-72~73	P.X-81, 85	P.X-86	P.X-89	P.X-125

SBT / HBL SLIM-FIT COLLET CHUCK

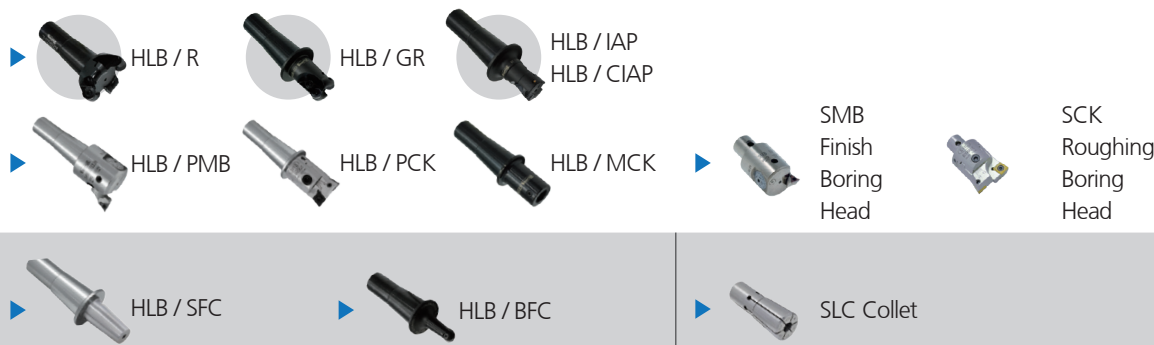


SBT / HBL 法蘭加厚型後拉式立銑刀夾頭



MODEL NO.	TYPE	L	l ₁	l ₂	d ₁	d ₂	T	WEIGHT (KGS)
5025-275-012-070	SBT30 x HBL12 - 70	118.4	70	47	31.75	34.9	M10 x 1.5P	1.40
5025-275-012-100	SBT30 x HBL12 - 100	148.4	100	77	31.75	37.6	M10 x 1.5P	1.65
5025-275-020-080	SBT30 x HBL20 - 80	128.4	80	56	38.1	42.1	M12 x 1.75P	1.40
5025-275-020-100	SBT30 x HBL20 - 100	148.4	100	76	38.1	43.9	M12 x 1.75P	1.65
5026-275-012-070	SBT40 x HBL12 - 70	135.4	70	33	31.75	33.7	M10 x 1.5P	1.70
5026-275-012-100	SBT40 x HBL12 - 100	165.4	100	63	31.75	36.4	M10 x 1.5P	1.90
5026-275-020-070	SBT40 x HBL20 - 70	135.4	70	38	38.1	40.5	M12 x 1.75P	1.70
5026-275-020-100	SBT40 x HBL20 - 100	165.4	100	68	38.1	43.1	M12 x 1.75P	1.90
5026-275-025-080	SBT40 x HBL25 - 80	145.4	80	50	44.45	47.9	M16 x 1.5P	1.90
5026-275-025-100	SBT40 x HBL25 - 100	165.4	100	70	44.45	49.7	M16 x 1.5P	2.10
5027-275-012-070	SBT50 x HBL12 - 70	171.8	70	22	31.75	32.8	M10 x 1.5P	4.40
5027-275-012-100	SBT50 x HBL12 - 100	201.8	100	52	31.75	35.4	M10 x 1.5P	4.50
5027-275-020-070	SBT50 x HBL20 - 70	171.8	70	22	38.1	39.1	M12 x 1.75P	4.80
5027-275-020-100	SBT50 x HBL20 - 100	201.8	100	52	38.1	41.8	M12 x 1.75P	4.90
5027-275-025-070	SBT50 x HBL25 - 70	171.8	70	22	44.45	45.5	M16 x 1.5P	5.00
5027-275-025-100	SBT50 x HBL25 - 100	201.8	100	52	44.45	48.1	M16 x 1.5P	5.20

HLB Cutter for HBL Slim-Fit Collet Chuck



Features:

- ▶ Two-face contact between collet taper, collet flange and the end of HBL tool holder, increases the rigidity of machining.
- ▶ Modular system, assembled with HLB tools.
- ▶ HBL drawbar clamping design strengthens the axial clamping force.

Product information:

- ▶ When assembling with coolant through HLB cutter SLC sealed collet, please change the screw into coolant screw, which is available to order separately.
- ▶ Higher balancing grade and revolution can be done upon request but additional charge is needed.
- ▶ AD+B type is available, please inform us when making an order.
- ▶ SBT30 tool holders are without coolant supply over collars.

SLC Collet	Pull Stud	Torque Wrench Adapter (Pull Stud)	Spanner (Pull Stud)	Spanner	HLB CUTTER	Screw
P.X-49~51	P.X-72~73	P.X-81, 85	P.X-86	P.X-89	P.X-92~106	P.X-125

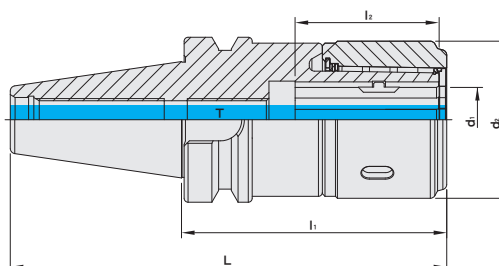


SBT / SMG NON-PULLOUT MILLING CHUCK

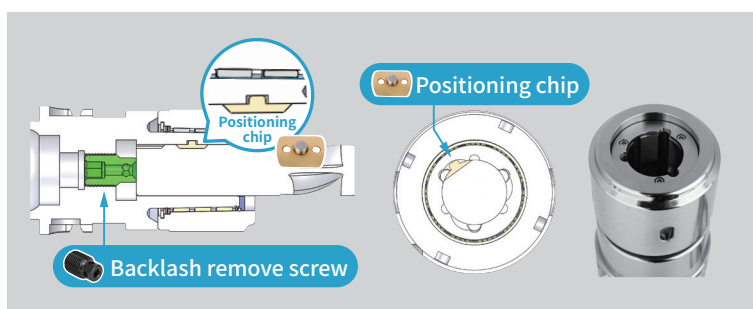
5 μ m

SBT / SMG 防脱刀刀桿

TW PAT NO. I862026
 TW PAT NO. M655169
 J P PAT NO. 3244223
 J P PAT NO. 3246600
 DE PAT NO. 202023105263
 DE PAT NO. 202024101551
 US PAT NO. US11951551
 CN PAT NO. ZL202321947337.4



MODEL NO.	TYPE	L	l ₁	l ₂	d ₁	d ₂	T	WEIGHT (KGS)
5026-626-025-100	SBT40 x SMG25 - 100	165.4	100	55	25	60	M16 x 1.5P	2.40
5026-626-032-095	SBT40 x SMG32 - 95	160.4	95	61.8	32	71	M16 x 1.5P	2.70
5026-626-032-105	SBT40 x SMG32 - 105	170.4	105	61.8	32	71	M16 x 1.5P	2.70
5026-626-032-135	SBT40 x SMG32 - 135	200.4	135	61.8	32	71	M16 x 1.5P	3.00
5027-626-025-100	SBT50 x SMG25 - 100	201.8	100	55	25	60	M16 x 1.5P	4.80
5027-626-025-130	SBT50 x SMG25 - 130	231.8	130	55	25	60	M16 x 1.5P	5.70
5027-626-032-105	SBT50 x SMG32 - 105	206.8	105	61.8	32	71	M16 x 1.5P	5.00
5027-626-032-135	SBT50 x SMG32 - 135	236.8	135	61.8	32	71	M16 x 1.5P	5.20
5027-626-032-165	SBT50 x SMG32 - 165	266.8	165	61.8	32	71	M16 x 1.5P	6.70



Features:

- ▶ Used with Weldon shank cutters.(ISO3338-2, JIS B4005, DIN1835)
- ▶ Ideal for machining difficult-to-cut materials like titanium alloys and nickel alloys in heavy duty applications.
- ▶ Patented backlash remove screw and positioning chip effectively lock cutters, preventing tool slippage and pullout during process.
- ▶ The design of 3 coolant grooves on the front can deliver coolant to remove metal chips and extend cutter use life.
- ▶ Durable for coolant pressure up to 70bar.

Standard Accessory: • Backlash remove screw • Positioning chip • Spanners

SMG Collet	Pull Stud	Spanner	Allen Wrench	Backlash Remove Screw	Positioning Chip
					
P.X-53	P.X-72~73	P.X-89	P.X-89	P.X-126	P.X-126

SBT / MLD MULTI - LOCK MILLING CHUCK



SBT / MLD 法蘭加厚型直式筒夾 銑床夾頭



Fig.1

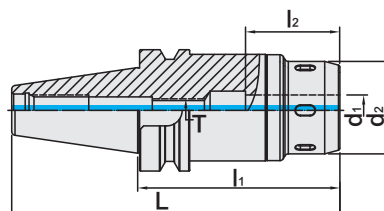
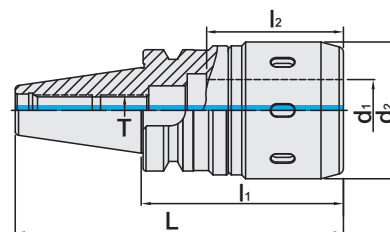
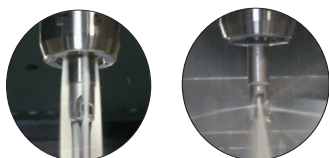


Fig.2



MODEL NO.	TYPE	L	l ₁	l ₂	d ₁	d ₂	T	Fig	WEIGHT (KGS)
5025-460-012-080	SBT30 x MLD12 - 80	128.4	80	46.7	12	42	M12 x 1.75P	2	1.00
5025-460-016-075	SBT30 x MLD16 - 75	123.4	75	56.7	16	48	M12 x 1.75P	1	1.20
5025-460-020-080	SBT30 x MLD20 - 80	128.4	80	59.3	20	56.5	M12 x 1.75P	2	1.90
5025-460-020-090	SBT30 x MLD20 - 90	138.4	90	59.3	20	56.5	M16 x 2.0P	2	2.00
5025-460-025-090	SBT30 x MLD25 - 90	138.4	90	58.2	25	60	M16 x 2.0P	2	1.80
5026-460-012-075	SBT40 x MLD12 - 75	140.4	75	46.7	12	42	M12 x 1.75P	1	1.50
5026-460-012-105	SBT40 x MLD12 - 105	170.4	105	46.7	12	42	M12 x 1.75P	1	2.00
5026-460-012-135	SBT40 x MLD12 - 135	200.4	135	46.7	12	42	M12 x 1.75P	1	2.10
5026-460-016-075	SBT40 x MLD16 - 75	140.4	75	56.7	16	48	M12 x 1.75P	1	1.70
5026-460-016-105	SBT40 x MLD16 - 105	170.4	105	56.7	16	48	M12 x 1.75P	1	2.30
5026-460-016-135	SBT40 x MLD16 - 135	200.4	135	56.7	16	48	M12 x 1.75P	1	2.40
5026-460-020-080	SBT40 x MLD20 - 80	145.4	80	59.3	20	56.5	M16 x 2.0P	1	2.30
5026-460-020-100	SBT40 x MLD20 - 100	165.4	100	59.3	20	56.5	M16 x 2.0P	1	2.50
5026-460-020-135	SBT40 x MLD20 - 135	200.4	135	59.3	20	56.5	M16 x 2.0P	1	2.80
5026-460-025-085	SBT40 x MLD25 - 85	150.4	85	58.2	25	60	M16 x 2.0P	1	2.20
5026-460-025-100	SBT40 x MLD25 - 100	165.4	100	58.2	25	60	M16 x 2.0P	1	2.40
5026-460-032-095	SBT40 x MLD32 - 95	160.4	95	71.7	32	71	M16 x 2.0P	2	2.70
5026-460-032-105	SBT40 x MLD32 - 105	170.4	105	71.7	32	71	M16 x 2.0P	2	2.70
5026-460-032-135	SBT40 x MLD32 - 135	200.4	135	71.7	32	71	M16 x 2.0P	2	3.00



Features:

- ▶ The special slotted design of the internal hole increases the clamping force and decreases vibration, making this milling chuck set suitable for heavy-duty machining.
- ▶ Collet runout accuracy: HSC collet 5μm, 8μm and SSC collet 10μm < two options to choose from.
- ▶ After fastening, the nuts and tool holders contact tight to enhance the cutting rigidity and achieve dustproof purposes.
- ▶ Coolant options: through the center of the holder or cutter. Use a sealed cap and SR ring for coolant through the cutter.

Product information:

- ▶ AD+B type is available, please inform us when making an order.
- ▶ SBT30 tool holders are without coolant supply over collars.

Standard Accessory: • NUT

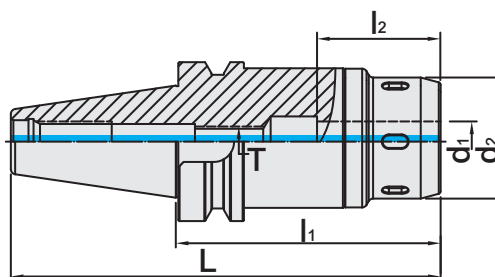
Collet	Sealed Cap	SR Sealed Ring	Pull Stud	Torque Wrench Adapter (Pull Stud)	Spanner (Pull Stud)	Spanner	Spanner	Set Screw
P.X-54~55	P.X-70	P.X-71	P.X-72~73	P.X-81, 85	P.X-86	P.X-88~89	P.X-91	P.X-121



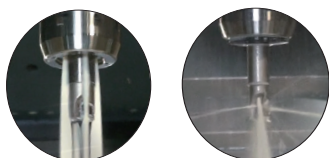
SBT / MLD MULTI - LOCK MILLING CHUCK



SBT / MLD 法蘭加厚型直式筒夾 銑床夾頭



MODEL NO.	TYPE	L	l ₁	l ₂	d ₁	d ₂	T	WEIGHT (KGS)
5027-460-012-105	SBT50 x MLD12 - 105	206.8	105	46.7	12	42	M12 x 1.75P	4.60
5027-460-012-135	SBT50 x MLD12 - 135	236.8	135	46.7	12	42	M12 x 1.75P	5.10
5027-460-012-165	SBT50 x MLD12 - 165	266.8	165	46.7	12	42	M12 x 1.75P	5.80
5027-460-016-105	SBT50 x MLD16 - 105	206.8	105	56.7	16	48	M12 x 1.75P	4.90
5027-460-016-135	SBT50 x MLD16 - 135	236.8	135	56.7	16	48	M12 x 1.75P	5.60
5027-460-016-165	SBT50 x MLD16 - 165	266.8	165	56.7	16	48	M12 x 1.75P	6.50
5027-460-020-105	SBT50 x MLD20 - 105	206.8	105	59.3	20	56.5	M16 x 2.0P	4.50
5027-460-020-150	SBT50 x MLD20 - 150	251.8	150	59.3	20	56.5	M16 x 2.0P	4.90
5027-460-025-100	SBT50 x MLD25 - 100	201.8	100	58.2	25	60	M16 x 2.0P	4.80
5027-460-025-130	SBT50 x MLD25 - 130	231.8	130	58.2	25	60	M16 x 2.0P	5.70
5027-460-032-105	SBT50 x MLD32 - 105	206.8	105	71.7	32	71	M24 x 3.0P	5.00
5027-460-032-135	SBT50 x MLD32 - 135	236.8	135	71.7	32	71	M24 x 3.0P	5.20
5027-460-032-165	SBT50 x MLD32 - 165	266.8	165	71.7	32	71	M24 x 3.0P	6.70
5027-460-042-115	SBT50 x MLD42 - 115	216.8	115	84.8	42	90	M24 x 3.0P	5.50
5027-460-042-130	SBT50 x MLD42 - 130	231.8	130	84.8	42	90	M24 x 3.0P	6.50
5027-460-042-165	SBT50 x MLD42 - 165	266.8	165	84.8	42	90	M24 x 3.0P	7.70



Features:

- ▶ The special slotted design of the internal hole increases the clamping force and decreases vibration, making this milling chuck set suitable for heavy-duty machining.
- ▶ Collet runout accuracy: HSC collet 5 μ m, 8 μ m and SSC collet 10 μ m < two options to choose from.
- ▶ After fastening, the nuts and tool holders contact tight to enhance the cutting rigidity and achieve dustproof purposes.
- ▶ Coolant options: through the center of the holder or cutter. Use a sealed cap and SR ring for coolant through the cutter.

Product information:

- ▶ AD+B type is available, please inform us when making an order.

Standard Accessory: • NUT

Collet	Sealed Cap	SR Sealed Ring	Pull Stud	Torque Wrench Adapter (Pull Stud)	Spanner (Pull Stud)	Spanner	Spanner	Set Screw
P.X-54~55	P.X-70	P.X-71	P.X-72~73	P.X-81, 85	P.X-86	P.X-88~89	P.X-91	P.X-121



SBT / MLD MULTI - LOCK MILLING CHUCK



SBT / MLD 法蘭加厚型直式筒夾 銑床夾頭



Fig.1

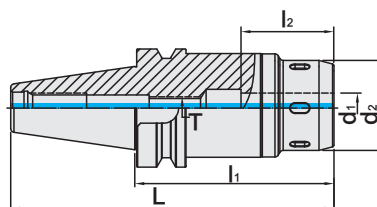
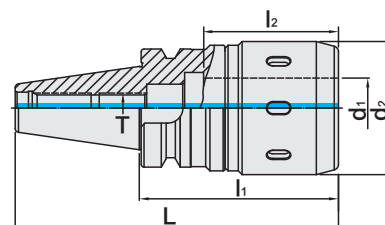
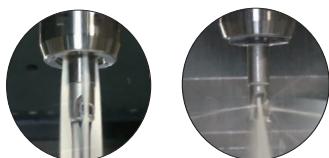


Fig.2



INCHES

MODEL NO.	TYPE	L	l ₁	l ₂	d ₁	d ₂	T	Fig	WEIGHT (KGS)
5025-460-A32-315	SBT30 x MLD1/2" - 3.15"	5.05	3.15	1.84	0.5	1.654	M12 x 1.75P	2	1.00
5025-460-A40-295	SBT30 x MLD5/8" - 2.95"	4.86	2.95	2.23	0.625	1.889	M12 x 1.75P	1	1.20
5025-460-A48-354	SBT30 x MLD3/4" - 3.54"	5.449	3.54	2.34	0.75	2.224	M12 x 1.75P	2	1.90
5025-460-A64-354	SBT30 x MLD1" - 3.54"	5.449	3.54	2.49	1	2.36	M16 x 2.0P	2	1.80
5026-460-A32-295	SBT40 x MLD1/2" - 2.95"	5.528	2.95	1.84	0.5	1.654	M12 x 1.75P	1	1.50
5026-460-A40-295	SBT40 x MLD5/8" - 2.95"	5.528	2.95	2.23	0.625	1.889	M12 x 1.75P	1	1.70
5026-460-A48-315	SBT40 x MLD3/4" - 3.15"	5.724	3.15	2.34	0.75	2.224	M16 x 2.0P	1	2.30
5026-460-A64-335	SBT40 x MLD1" - 3.35"	5.921	3.35	2.49	1	2.36	M16 x 2.0P	1	2.20
5026-460-A72-400	SBT40 x MLD1-1/4" - 4"	6.575	4	2.8	1.25	2.795	M16 x 2.0P	2	2.70
5027-460-A32-400	SBT50 x MLD1/2" - 4"	8.008	4	1.84	0.5	1.654	M12 x 1.75P	1	4.60
5027-460-A40-400	SBT50 x MLD5/8" - 4"	8.008	4	2.23	0.625	1.889	M12 x 1.75P	1	4.90
5027-460-A48-400	SBT50 x MLD3/4" - 4"	8.008	4	2.34	0.75	2.224	M16 x 2.0P	1	4.50
5027-460-A64-413	SBT50 x MLD1" - 4.13"	8.14	4.13	2.49	1	2.36	M16 x 2.0P	1	4.80
5027-460-A64-512	SBT50 x MLD1" - 5.12"	9.126	5.12	2.49	1	2.36	M16 x 2.0P	1	5.70
5027-460-A72-400	SBT50 x MLD1 - 1/4" - 4"	8.008	4	2.8	1.25	2.795	M24 x 3.0P	1	4.90



Features:

- ▶ The special slotted design of the internal hole increases the clamping force and decreases vibration, making this milling chuck set suitable for heavy-duty machining.
- ▶ Collet runout accuracy: HSC collet 5μm, 8μm and SSC collet 10μm < two options to choose from.
- ▶ After fastening, the nuts and tool holders contact tight to enhance the cutting rigidity and achieve dustproof purposes.
- ▶ Coolant options: through the center of the holder or cutter. Use a sealed cap and SR ring for coolant through the cutter.

Product information:

- ▶ AD+B type is available, please inform us when making an order.
- ▶ SBT30 tool holders are without coolant supply over collars.

Standard Accessory: • NUT

Collet	Sealed Cap	SR Sealed Ring	Pull Stud	Torque Wrench Adapter (Pull Stud)	Spanner (Pull Stud)	Spanner	Set Screw
P.X-54~55	P.X-70	P.X-71	P.X-72~73	P.X-81, 85	P.X-86	P.X-88~89	P.X-121



SBT / SAF RUNOUT ADJUSTABLE HOLDER

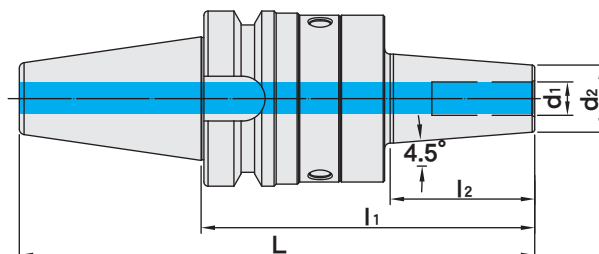


4.5°

SBT / SAF 法蘭加厚型可調式刀桿

[SFC TYPE]

TW PAT NO. I805264
J P PAT NO. 3237773
DE PAT NO. 202022102696
CN PAT NO. ZL20221891039.3



MODEL NO.	TYPE	L	l ₁	l ₂	d ₁	d ₂	COMBINATION		WEIGHT (KGS)
							BODY	FLANGE ADAPTER	
5025-S27-006-110	SBT30 x SAF6C - 110	158.4	110	52	6	21	SBT30 x SAF25	SFC6 - 70	1.13
5025-S27-008-110	SBT30 x SAF8C - 110	158.4	110	52	8	21	SBT30 x SAF25	SFC8 - 70	1.12
5025-S27-010-110	SBT30 x SAF10C - 110	158.4	110	52	10	24	SBT30 x SAF25	SFC10 - 70	1.17
5025-S27-012-110	SBT30 x SAF12C - 110	158.4	110	52	12	24	SBT30 x SAF25	SFC12 - 70	1.15
5025-S27-016-115	SBT30 x SAF16C - 115	163.4	115	57	16	27	SBT30 x SAF25	SFC16 - 75	1.20
5026-S27-006-120	SBT40 x SAF6C - 120	185.4	120	52	6	21	SBT40 x SAF25	SFC6 - 70	1.87
5026-S27-008-120	SBT40 x SAF8C - 120	185.4	120	52	8	21	SBT40 x SAF25	SFC8 - 70	1.86
5026-S27-010-120	SBT40 x SAF10C - 120	185.4	120	52	10	24	SBT40 x SAF25	SFC10 - 70	1.91
5026-S27-012-120	SBT40 x SAF12C - 120	185.4	120	52	12	24	SBT40 x SAF25	SFC12 - 70	1.89
5026-S27-016-125	SBT40 x SAF16C - 125	190.4	125	57	16	27	SBT40 x SAF25	SFC16 - 75	1.94
5026-S27-020-130	SBT40 x SAF20C - 130	195.4	130	60	20	33	SBT40 x SAF40	SFC20 - 80	2.68
5026-S27-025-150	SBT40 x SAF25C - 150	215.4	150	81	25	44	SBT40 x SAF40	SFC25 - 100	3.21
5026-S27-032-150	SBT40 x SAF32C - 150	215.4	150	81	32	44	SBT40 x SAF40	SFC32 - 100	3.07
5027-S27-006-130	SBT50 x SAF6C - 130	231.8	130	52	6	21	SBT50 x SAF25	SFC6 - 70	4.38
5027-S27-008-130	SBT50 x SAF8C - 130	231.8	130	52	8	21	SBT50 x SAF25	SFC8 - 70	4.37
5027-S27-010-130	SBT50 x SAF10C - 130	231.8	130	52	10	24	SBT50 x SAF25	SFC10 - 70	4.42
5027-S27-012-130	SBT50 x SAF12C - 130	231.8	130	52	12	24	SBT50 x SAF25	SFC12 - 70	4.40
5027-S27-016-135	SBT50 x SAF16C - 135	236.8	135	57	16	27	SBT50 x SAF25	SFC16 - 75	4.45
5027-S27-020-140	SBT50 x SAF20C - 140	241.8	140	60	20	33	SBT50 x SAF40	SFC20 - 80	5.30
5027-S27-025-160	SBT50 x SAF25C - 160	261.8	160	81	25	44	SBT50 x SAF40	SFC25 - 100	5.83
5027-S27-032-160	SBT50 x SAF32C - 160	261.8	160	81	32	44	SBT50 x SAF40	SFC32 - 100	5.69

Features:

- ▶ The runout accuracy of tool edges can be adjusted within 5μm.
- ▶ Different output options to meet customer machining requirements.
- ▶ Suitable for reaming, drilling and milling.

Standard Accessory: • WRENCH (FOR ADJUSTMENT SCREW) • PIN

Pull Stud	Torque Wrench Adapter (Pull Stud)	Spanner (Pull Stud)	Shrink Fit Chuck Flange	Preset Screw
P.X-72~73	P.X-81, 85	P.X-86	P.X-107	P.X-121

SBT / SAF RUNOUT ADJUSTABLE HOLDER

SBT

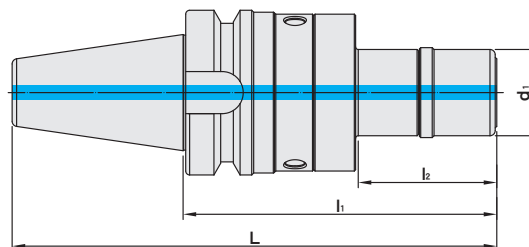


SBT / SAF 法蘭加厚型可調式刀桿

[SK3 TYPE]



TW PAT NO. 1805264
J P PAT NO. 3237773
DE PAT NO. 202022102696
CN PAT NO. ZL20221891039.3



MODEL NO.	TYPE	L	l ₁	l ₂	d ₁	COMBINATION		COLLET	WEIGHT (KGS)
						BODY	FLANGE ADAPTER		
5025-S28-006-090	SBT30 x SAF6K - 90	138.4	90	29	19.5	SBT30 x SAF25	SK306 - 50	SKX6	1.00
5025-S28-010-090	SBT30 x SAF10K - 90	138.4	90	32.5	27.5	SBT30 x SAF25	SK310 - 50	SKX10	1.03
5025-S28-013-110	SBT30 x SAF13K - 110	158.4	110	53	33	SBT30 x SAF25	SK313 - 70	SKX13	1.16
5026-S28-006-100	SBT40 x SAF6K - 100	165.4	100	29	19.5	SBT40 x SAF25	SK306 - 50	SKX6	1.74
5026-S28-006-150	SBT40 x SAF6K - 150	215.4	150	79	19.5	SBT40 x SAF25	SK306 - 100	SKX6	1.83
5026-S28-010-100	SBT40 x SAF10K - 100	165.4	100	32.5	27.5	SBT40 x SAF25	SK310 - 50	SKX10	1.77
5026-S28-010-150	SBT40 x SAF10K - 150	215.4	150	82.5	27.5	SBT40 x SAF25	SK310 - 100	SKX10	1.96
5026-S28-013-120	SBT40 x SAF13K - 120	185.4	120	53	33	SBT40 x SAF25	SK313 - 70	SKX13	1.90
5026-S28-013-150	SBT40 x SAF13K - 150	215.4	150	83	33	SBT40 x SAF25	SK313 - 100	SKX13	2.08
5026-S28-016-120	SBT40 x SAF16K - 120	185.4	120	49.9	40	SBT40 x SAF40	SK316 - 70	SKX16	2.57
5026-S28-016-150	SBT40 x SAF16K - 150	215.4	150	79.9	40	SBT40 x SAF40	SK316 - 100	SKX16	2.83
5027-S28-006-110	SBT50 x SAF6K - 110	211.8	110	29	19.5	SBT50 x SAF25	SK306 - 50	SKX6	4.25
5027-S28-006-160	SBT50 x SAF6K - 160	261.8	160	79	19.5	SBT50 x SAF25	SK306 - 100	SKX6	4.34
5027-S28-010-110	SBT50 x SAF10K - 110	211.8	110	32.5	27.5	SBT50 x SAF25	SK310 - 50	SKX10	4.28
5027-S28-010-160	SBT50 x SAF10K - 160	261.8	160	82.5	27.5	SBT50 x SAF25	SK310 - 100	SKX10	4.47
5027-S28-013-130	SBT50 x SAF13K - 130	231.8	130	53	33	SBT50 x SAF25	SK313 - 70	SKX13	4.41
5027-S28-013-160	SBT50 x SAF13K - 160	261.8	160	83	33	SBT50 x SAF25	SK313 - 100	SKX13	4.59
5027-S28-016-130	SBT50 x SAF16K - 130	231.8	130	49.9	40	SBT50 x SAF40	SK316 - 70	SKX16	5.19
5027-S28-016-160	SBT50 x SAF16K - 160	261.8	160	79.9	40	SBT50 x SAF40	SK316 - 100	SKX16	5.45

Features:

- ▶ The runout accuracy of tool edges can be adjusted within 5μm.
- ▶ Different output options to meet customer machining requirements.
- ▶ Suitable for reaming, drilling and milling.

Standard Accessory: • NUT • WRENCH (FOR ADJUSTMENT SCREW) • PIN

Collet	Nut	Pull Stud	Spanner	Torque Wrench Adapter (Pull Stud)	Spanner (Pull Stud)	SK3 Collet Chuck Flange	Preset Screw
P.X-46~48	P.X-68	P.X-72~73	P.X-81,83~84,91	P.X-85	P.X-86	P.X-108	P.X-121



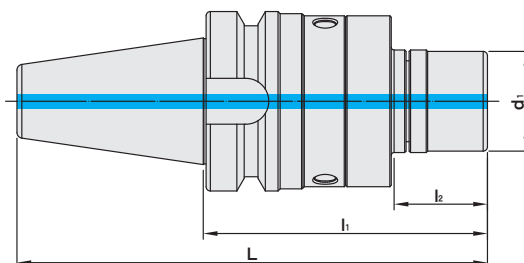
SBT / SAF RUNOUT ADJUSTABLE HOLDER



SBT / SAF 法蘭加厚型可調式刀桿

(UT TYPE)

TW PAT NO. 1805264
J P PAT NO. 3237773
DE PAT NO. 202022102696
CN PAT NO. ZL20221891039.3



MODEL NO.	TYPE	L	l ₁	l ₂	d ₁	COMBINATION		COLLET	WEIGHT (KGS)
						BODY	FLANGE ADAPTER		
5025-S30-016-090	SBT30 x SAF16U - 90	138.4	90	32	30	SBT30 x SAF25	UT16 - 50	ER16	1.08
5025-S30-020-090	SBT30 x SAF20U - 90	138.4	90	33	35	SBT30 x SAF25	UT20 - 50	ER20	1.10
5026-S30-016-100	SBT40 x SAF16U - 100	165.4	100	32	30	SBT40 x SAF25	UT16 - 50	ER16	1.82
5026-S30-020-100	SBT40 x SAF20U - 100	165.4	100	33	35	SBT40 x SAF25	UT20 - 50	ER20	1.84
5026-S30-025-110	SBT40 x SAF25U - 110	175.4	110	38.9	42	SBT40 x SAF40	UT25 - 60	ER25	2.58
5026-S30-032-110	SBT40 x SAF32U - 110	175.4	110	40.9	48	SBT40 x SAF40	UT32 - 60	ER32	2.61
5027-S30-016-110	SBT50 x SAF16U - 110	211.8	110	32	30	SBT50 x SAF25	UT16 - 50	ER16	4.33
5027-S30-020-110	SBT50 x SAF20U - 110	211.8	110	33	35	SBT50 x SAF25	UT20 - 50	ER20	4.35
5027-S30-025-120	SBT50 x SAF25U - 120	221.8	120	38.9	42	SBT50 x SAF40	UT25 - 60	ER25	5.20
5027-S30-032-120	SBT50 x SAF32U - 120	221.8	120	40.9	48	SBT50 x SAF40	UT32 - 60	ER32	5.23

Features:

- ▶ The runout accuracy of tool edges can be adjusted within 5μm.
- ▶ Different output options to meet customer machining requirements.
- ▶ Suitable for reaming, drilling and milling.

Standard Accessory: • NUT • WRENCH (FOR ADJUSTMENT SCREW) • PIN

Collet	Nut	Pull Stud	Spanner	Torque Wrench Adapter (Pull Stud)	Spanner (Pull Stud)	UT Collet Chuck Flange	Preset Screw
P.X-19~22	P.X-62	P.X-72~73	P.X-81,83~84,91	P.X-85	P.X-86	P.X-109	P.X-121



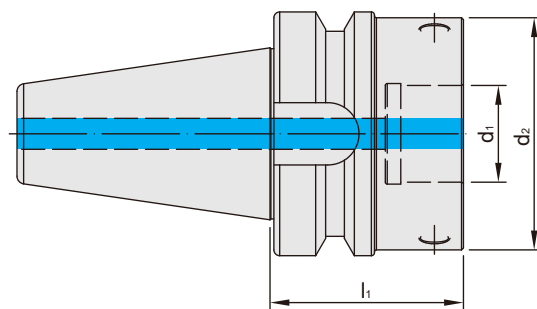
SAF RUNOUT ADJUSTABLE HOLDER BODY



SAF 可調式刀桿本體



TW PAT NO. 1805264
JP PAT NO. 3237773
DE PAT NO. 202022102696
CN PAT NO. ZL20221891039.3



MODEL NO.	TYPE	l_1	d_1	d_2	WEIGHT (KGS)
5025-783-025-040	SBT30 x SAF25 - 40	40	25	60	0.61
5026-783-025-050	SBT40 x SAF25 - 50	50	25	60	1.35
5026-783-040-050	SBT40 x SAF40 - 50	50	40	80	1.49
5027-783-025-060	SBT50 x SAF25 - 60	60	25	60	3.86
5027-783-040-060	SBT50 x SAF40 - 60	60	40	80	4.11



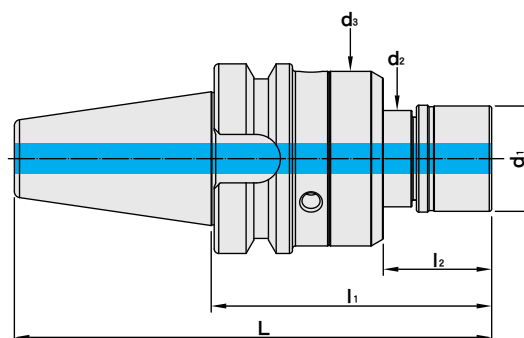
SBT / SBF RADIAL ZERO ADJUSTABLE HOLDER

SBT



SBT / SBF 可調式徑向歸零刀桿

[PRO-E TYPE]



MODEL NO.	TYPE	L	l ₁	l ₂	d ₁	d ₂	d ₃	COLLET	WEIGHT (KGS)
5025-S10-016-090	SBT30 x SBF16PE - 90	138.4	90	27	30	32	58	ER16	1.16
5025-S10-020-100	SBT30 x SBF20PE - 100	148.4	100	37	35	32	58	ER20	1.23
5026-S10-016-100	SBT40 x SBF16PE - 100	165.4	100	42	30	32	58	ER16	1.70
5026-S10-016-150	SBT40 x SBF16PE - 150	215.4	150	92	30	32	58	ER16	1.96
5026-S10-020-100	SBT40 x SBF20PE - 100	165.4	100	42	35	32	58	ER20	1.72
5026-S10-020-150	SBT40 x SBF20PE - 150	215.4	150	92	35	32	58	ER20	1.97
5026-S10-025-100	SBT40 x SBF25PE - 100	165.4	100	32	42	42	75	ER25	2.34
5026-S10-025-150	SBT40 x SBF25PE - 150	215.4	150	82	42	42	75	ER25	2.82
5026-S10-032-110	SBT40 x SBF32PE - 110	175.4	110	42	50	42	75	ER32	2.44
5026-S10-032-150	SBT40 x SBF32PE - 150	215.4	150	82	50	42	75	ER32	2.82
5027-S10-016-110	SBT50 x SBF16PE - 110	211.8	110	42	30	32	58	ER16	4.29
5027-S10-016-160	SBT50 x SBF16PE - 160	261.8	160	92	30	32	58	ER16	4.54
5027-S10-020-110	SBT50 x SBF20PE - 110	211.8	110	42	35	32	58	ER20	4.26
5027-S10-020-160	SBT50 x SBF20PE - 160	261.8	160	92	35	32	58	ER20	4.57
5027-S10-025-110	SBT50 x SBF25PE - 110	211.8	110	37	42	42	75	ER25	4.85
5027-S10-025-160	SBT50 x SBF25PE - 160	261.8	160	87	42	42	75	ER25	5.25
5027-S10-032-120	SBT50 x SBF32PE - 120	221.8	120	47	50	42	75	ER32	4.95
5027-S10-032-160	SBT50 x SBF32PE - 160	261.8	160	87	50	42	75	ER32	5.27

Features:

- Suitable for reaming and drilling.
- Improve the surface accuracy of workpiece.
- Ensure the machining stability in hole making.
- Compensate for bad runout accuracy generated from machine spindle, tool holder and cutter, adjust runout accuracy to be within 2μm and extend tool use life.
- Simple and quick to adjust by 3 screws.
- Center coolant through is available and can be up to 70 bar.

Standard Accessory: • NUT • WRENCH (FOR ADJUSTMENT SCREW) • PIN

Collet	Nut	Pull Stud	Spanner	Torque Wrench Adapter (Pull Stud)	Spanner (Pull Stud)	Preset Screw
P.X-19~45	P.X-61	P.X-72~73	P.X-81,83~84,91	P.X-85	P.X-86	P.X-121



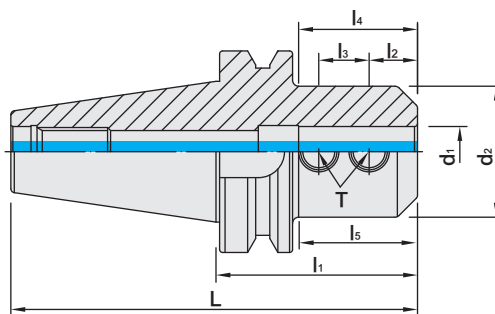
SBT / SLN SIDE LOCK END MILL HOLDER

SBT

Dual
DRIVE+

SBT / SLN 法蘭加厚型側固式立銑刀桿

(DIN 1835)



MODEL NO.	TYPE	L	l ₁	l ₂	l ₃	l ₄	l ₅	d ₁	d ₂	T	WEIGHT (KGS)
5025-653-006-060	SBT30 x SLN6 - 60	108.4	60	18	-	35	33	6	25	M6 x 1.0P	0.55
5025-653-008-060	SBT30 x SLN8 - 60	108.4	60	18	-	35	33	8	28	M8 x 1.25P	0.60
5025-653-010-060	SBT30 x SLN10 - 60	108.4	60	20	-	39	35	10	35	M10 x 1.5P	0.70
5025-653-012-060	SBT30 x SLN12 - 60	108.4	60	22.5	-	44	36	12	42	M12 x 1.75P	0.75
5025-653-016-075	SBT30 x SLN16 - 75	123.4	75	24	-	47	53	16	48	M14 x 2.0P	1.05
5025-653-020-075	SBT30 x SLN20 - 75	123.4	75	25	-	49	53	20	52	M16 x 2.0P	1.10
5025-653-025-090	SBT30 x SLN25 - 90	138.4	90	24	25	58	68	25	65	M18 x 2.0P	1.70
5026-653-006-050	SBT40 x SLN6 - 50	115.4	50	18	-	35	20	6	25	M6 x 1.0P	1.10
5026-653-006-150	SBT40 x SLN6 - 150	215.4	150	18	-	35	113	6	25	M6 x 1.0P	1.32
5026-653-008-050	SBT40 x SLN8 - 50	115.4	50	18	-	35	20	8	28	M8 x 1.25P	1.10
5026-653-008-150	SBT40 x SLN8 - 150	215.4	150	18	-	35	113	8	28	M8 x 1.25P	1.30
5026-653-010-063	SBT40 x SLN10 - 63	128.4	63	20	-	39	33.5	10	35	M10 x 1.5P	1.25
5026-653-010-150	SBT40 x SLN10 - 150	215.4	150	20	-	39	113	10	35	M10 x 1.5P	1.40
5026-653-012-063	SBT40 x SLN12 - 63	128.4	63	22.5	-	44	33.5	12	42	M12 x 1.75P	1.30
5026-653-012-150	SBT40 x SLN12 - 150	215.4	150	22.5	-	44	116	12	42	M12 x 1.75P	1.53
5026-653-016-063	SBT40 x SLN16 - 63	128.4	63	24	-	47	33.5	16	48	M14 x 2.0P	1.40
5026-653-016-150	SBT40 x SLN16 - 150	215.4	150	24	-	47	120	16	48	M14 x 2.0P	1.60
5026-653-018-063	SBT40 x SLN18 - 63	128.4	63	24	-	44	33	18	50	M14 x 2.0P	1.65
5026-653-020-063	SBT40 x SLN20 - 63	128.4	63	25	-	49	33	20	52	M16 x 2.0P	1.40
5026-653-025-100	SBT40 x SLN25 - 100	165.4	100	24	25	58	73	25	65	M18 x 2.0P	2.50
5026-653-032-100	SBT40 x SLN32 - 100	165.4	100	24	28	63	73	32	72	M20 x 2.0P	2.75

Features:

- ▶ Internal hole tolerance: H5 (DIN-1835-B standard).
- ▶ The tolerance requirement of tool shank diameter is h6.
- ▶ Taking use of side lock screws to clamp tools with lateral flat surfaces. Good at heavy-duty machining.

Product information:

- ▶ The pre-balance reaches G6.3 8,000 rpm. Higher balancing grade and revolution can be done upon request but additional charge is needed.
- ▶ AD+B type is available, please inform us when making an order.
- ▶ SBT30 tool holders are without coolant supply over collars.

Standard Accessory: • LOCK SCREW

Pull Stud	Torque Wrench Adapter (Pull Stud)	Spanner (Pull Stud)	Lock Screw
P.X-72~73	P.X-81, 85	P.X-86	P.X-124



SBT / SLN SIDE LOCK END MILL HOLDER

Dual
DRIVE+

SBT / SLN 法蘭加厚型側固式立銑刀桿

〔DIN 1835〕



Fig.1

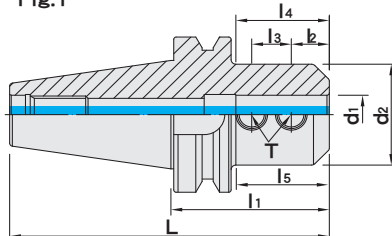
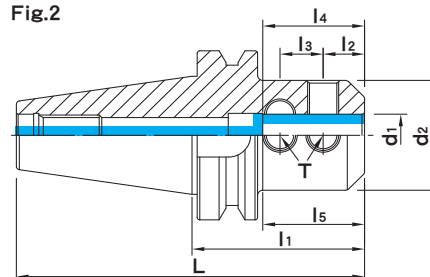


Fig.2



MODEL NO.	TYPE	L	l ₁	l ₂	l ₃	l ₄	l ₅	d ₁	d ₂	Fig	T	WEIGHT (KGS)
5027-653-006-063	SBT50 x SLN6 - 63	164.8	63	18	-	35	20	6	25	1	M6 x 1.0P	3.80
5027-653-008-063	SBT50 x SLN8 - 63	164.8	63	18	-	39	20	8	28	1	M8 x 1.25P	3.80
5027-653-010-063	SBT50 x SLN10 - 63	164.8	63	20	-	39	22	10	35	1	M10 x 1.5P	3.00
5027-653-012-080	SBT50 x SLN12 - 80	181.8	80	22.5	-	44	39	12	42	1	M12 x 1.75P	4.00
5027-653-016-080	SBT50 x SLN16 - 80	181.8	80	24	-	47	37	16	48	1	M14 x 2.0P	4.40
5027-653-020-080	SBT50 x SLN20 - 80	181.8	80	25	-	49	37	20	52	1	M16 x 2.0P	4.40
5027-653-025-100	SBT50 x SLN25 - 100	201.8	100	24	25	58	59	25	65	1	M18 x 2.0P	5.10
5027-653-032-105	SBT50 x SLN32 - 105	206.8	105	24	28	63	64	32	72	1	M20 x 2.0P	5.20
5027-653-040-115	SBT50 x SLN40 - 115	216.8	115	30	32	75	74	40	90	1	M20 x 2.0P	6.70
5027-653-040-120	SBT50 x SLN40 - 120	221.8	120	30	32	75	79	40	90	1	M20 x 2.0P	6.70
5027-653-042-120	SBT50 x SLN42 - 120	221.8	120	30	32	75	79	42	90	1	M20 x 2.0P	6.70
5027-653-050-120	SBT50 x SLN50 - 120	221.8	120	35	35	78	82	50	98	1	M24 x 2.0P	6.80
5027-653-A96-472	SBT50 x SLN50.8 - 120	221.8	120	33.1	28.58	80	82	50.8	99	1	M20 x 2.0P	6.80
5027-677-A96-472	SBT50 x SLN50.8 - 120	221.8	120	33.1	28.58	75	81	50.8	95	2	M20 x 2.0P	7.20

Features:

- ▶ Internal hole tolerance: H5 (DIN-1835-B standard).
- ▶ The tolerance requirement of tool shank diameter is h6.
- ▶ Taking use of side lock screws to clamp tools with lateral flat surfaces. Good at heavy-duty machining. It is designed with a pin for improving the clamping stability.

Product information:

- ▶ The pre-balance reaches G6.3 8,000 rpm. Higher balancing grade and revolution can be done upon request but additional charge is needed.
- ▶ AD+B type is available, please inform us when making an order.

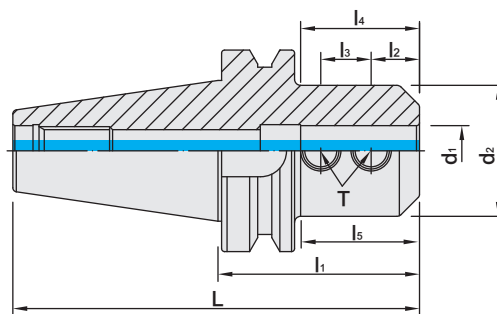
Standard Accessory: • LOCK SCREW

Pull Stud	Torque Wrench Adapter (Pull Stud)	Spanner (Pull Stud)	Lock Screw
P.X-72~73	P.X-81, 85	P.X-86	P.X-124

SBT / SLN SIDE LOCK END MILL HOLDER

Dual
DRIVE+

SBT / SLN 法蘭加厚型側固式立銑刀桿



INCHES

MODEL NO.	TYPE	L	l ₁	l ₂	l ₃	l ₄	l ₅	d ₁	d ₂	T	WEIGHT (KGS)
5025-653-A08-236	SBT30 x SLN1/8" - 2.36"	4.265	2.36	0.37	-	0.787	1.299	0.125	0.69	#6 - 32	0.43
5025-653-A12-236	SBT30 x SLN3/16" - 2.36"	4.265	2.36	0.562	-	0.984	1.102	0.1875	0.69	#8 - 32	0.44
5025-653-A16-236	SBT30 x SLN1/4" - 2.36"	4.265	2.36	0.629	-	1.378	1.181	0.25	0.78	1/4" - 28	0.45
5025-653-A20-236	SBT30 x SLN5/16" - 2.36"	4.265	2.36	0.6	-	1.378	1.181	0.3125	0.88	5/16" - 24	0.47
5025-653-A24-236	SBT30 x SLN3/8" - 2.36"	4.265	2.36	0.781	-	1.535	1.299	0.375	1	3/8" - 24	0.48
5025-653-A28-236	SBT30 x SLN7/16" - 2.36"	4.265	2.36	0.812	-	1.535	1.299	0.4375	1.13	7/16" - 20	0.51
5025-653-A32-236	SBT30 x SLN1/2" - 2.36"	4.265	2.36	0.875	-	1.732	1.378	0.5	1.25	7/16" - 20	0.54
5025-653-A40-236	SBT30 x SLN5/8" - 2.36"	4.265	2.36	0.937	-	1.85	1.417	0.625	1.5	1/2" - 20	0.61
5025-653-A40-300	SBT30 x SLN5/8" - 3"	4.906	3	0.937	-	1.85	2.094	0.625	1.5	1/2" - 20	0.73
5025-653-A48-236	SBT30 x SLN3/4" - 2.36"	4.265	2.36	1	-	1.929	1.494	0.75	1.75	5/8" - 18	0.65
5025-653-A64-400	SBT30 x SLN1" - 4"	5.906	4	1.125	1	2.559	2.818	1	2	3/4" - 16	1.15

Features:

- ▶ Internal hole tolerance: H5 (DIN-1835-B standard).
- ▶ The tolerance requirement of tool shank diameter is h6.
- ▶ Taking use of side lock screws to clamp tools with lateral flat surfaces. Good at heavy-duty machining.

Product information:

- ▶ The pre-balance reaches G6.3 8,000 rpm. Higher balancing grade and revolution can be done upon request but additional charge is needed.
- ▶ SBT30 tool holders are without coolant supply over collars.

Standard Accessory: • LOCK SCREW

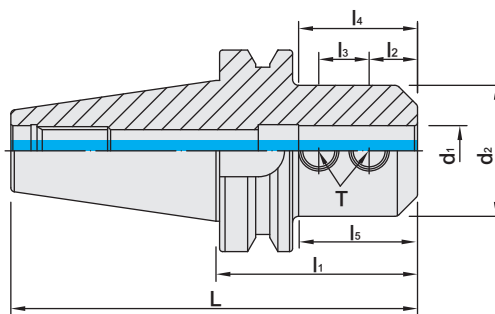
Pull Stud	Torque Wrench Adapter (Pull Stud)	Spanner (Pull Stud)	Lock Screw
P.X-72~73	P.X-81, 85	P.X-86	P.X-124



SBT / SLN SIDE LOCK END MILL HOLDER

Dual
DRIVE+

SBT / SLN 法蘭加厚型側固式立銑刀桿



INCHES

MODEL NO.	TYPE	L	l ₁	l ₂	l ₃	l ₄	l ₅	d ₁	d ₂	T	WEIGHT (KGS)
5026-653-A08-250	SBT40 x SLN1/8" - 2.5"	5.075	2.5	0.37	-	0.787	1.24	0.125	0.69	#6-32	1.01
5026-653-A08-400	SBT40 x SLN1/8" - 4"	6.575	4	0.37	-	0.787	2.543	0.125	0.69	#6-32	1.06
5026-653-A12-250	SBT40 x SLN3/16" - 2.5"	5.075	2.5	0.562	-	0.984	1.24	0.1875	0.69	#8-32	1.01
5026-653-A12-400	SBT40 x SLN3/16" - 4"	6.575	4	0.562	-	0.984	2.543	0.1875	0.69	#8-32	1.02
5026-653-A16-250	SBT40 x SLN1/4" - 2.5"	5.075	2.5	0.63	-	1.378	1.122	0.25	0.78	1/4"-28	1.10
5026-653-A16-400	SBT40 x SLN1/4" - 4"	6.575	4	0.63	-	1.378	2.622	0.25	0.78	1/4"-28	1.04
5026-653-A20-250	SBT40 x SLN5/16" - 2.5"	5.075	2.5	0.6	-	1.378	1.043	0.3125	0.88	5/16"-24	1.12
5026-653-A24-250	SBT40 x SLN3/8" - 2.5"	5.075	2.5	0.75	-	1.535	1.24	0.375	1.25	3/8"-24	1.15
5026-653-A24-400	SBT40 x SLN3/8" - 4"	6.575	4	0.75	-	1.535	2.74	0.375	1	3/8"-24	1.07
5026-653-A28-250	SBT40 x SLN7/16" - 2.5"	5.075	2.5	0.812	-	1.535	1.24	0.4375	1.13	7/16"-20	1.10
5026-653-A32-250	SBT40 x SLN1/2" - 2.5"	5.075	2.5	0.875	-	1.732	1.319	0.5	1.25	7/16"-20	1.30
5026-653-A32-400	SBT40 x SLN1/2" - 4"	6.575	4	0.875	-	1.732	2.74	0.5	1.25	7/16"-20	1.18
5026-653-A40-250	SBT40 x SLN5/8" - 2.5"	5.075	2.5	0.937	-	1.85	1.319	0.625	1.5	1/2"-20	1.45
5026-653-A40-400	SBT40 x SLN5/8" - 4"	6.575	4	0.937	-	1.85	2.74	0.625	1.5	1/2"-20	1.23
5026-653-A48-250	SBT40 x SLN3/4" - 2.5"	5.075	2.5	1	-	1.929	1.319	0.75	1.75	5/8"-18	1.37
5026-653-A48-300	SBT40 x SLN3/4" - 3"	5.575	3	1	-	1.929	1.819	0.75	1.75	5/8"-18	1.65
5026-653-A48-400	SBT40 x SLN3/4" - 4"	6.575	4	1	-	1.929	2.819	0.75	1.75	5/8"-18	1.95
5026-653-A56-500	SBT40 x SLN7/8" - 5"	7.575	5	1.06	0.875	2.362	3.74	0.875	1.88	5/8"-18	1.59
5026-653-A64-356	SBT40 x SLN1" - 3.563"	6.137	3.563	1.046	1	2.559	2.421	1	2	3/4"-16	1.77
5026-653-A64-500	SBT40 x SLN1" - 5"	7.575	5	1.046	1	2.559	3.858	1	2	3/4"-16	1.93
5026-653-A72-356	SBT40 x SLN1-1/4" - 3.563"	6.137	3.563	1.125	1	2.559	2.539	1.25	2.5	3/4"-16	1.74
5026-653-A80-356	SBT40 x SLN1-1/2" - 3.563"	6.137	3.563	1.125	1	2.559	2.539	1.5	2.5	3/4"-16	3.62

Features:

- ▶ Internal hole tolerance: H5 (DIN-1835-B standard).
- ▶ The tolerance requirement of tool shank diameter is h6.
- ▶ Taking use of side lock screws to clamp tools with lateral flat surfaces. Good at heavy-duty machining.

Product information:

- ▶ The pre-balance reaches G6.3 8,000 rpm. Higher balancing grade and revolution can be done upon request but additional charge is needed.
- ▶ AD+B type is available, please inform us when making an order.

Standard Accessory: • LOCK SCREW

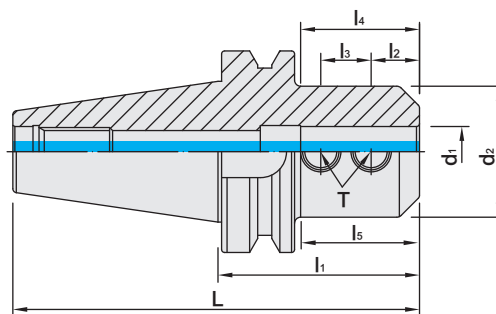
Pull Stud	Torque Wrench Adapter (Pull Stud)	Spanner (Pull Stud)	Lock Screw
P.X-72~73	P.X-81, 85	P.X-86	P.X-124

SBT / SLN SIDE LOCK END MILL HOLDER

SBT

Dual
DRIVE+

SBT / SLN 法蘭加厚型側固式立銑刀桿



INCHES

MODEL NO.	TYPE	L	l ₁	l ₂	l ₃	l ₄	l ₅	d ₁	d ₂	T	WEIGHT (KGS)
5027-653-A16-300	SBT50 x SLN1/4" - 3"	7	3	0.63	-	1.378	1.11	0.25	0.78	1/4"-28	3.62
5027-653-A24-275	SBT50 x SLN3/8" - 2.75"	6.758	2.75	0.75	-	1.535	1.057	0.375	1	3/8"-24	3.61
5027-653-A32-300	SBT50 x SLN1/2" - 3"	7	3	0.875	-	1.732	1.386	0.5	1.25	7/16"-20	3.68
5027-653-A40-300	SBT50 x SLN5/8" - 3"	7	3	0.94	-	1.85	1.386	0.625	1.5	1/2"-20	3.77
5027-653-A48-300	SBT50 x SLN3/4" - 3"	7	3	1	-	1.929	1.386	0.75	1.75	5/8"-18	3.84
5027-653-A64-450	SBT50 x SLN1" - 4.5"	8.508	4.5	1.12	1	2.559	2.886	1	2	3/4"-16	4.27
5027-653-A64-600	SBT50 x SLN1" - 6"	10	6	1.125	1	2.559	4.11	1	2	3/4"-16	4.78
5027-653-A72-450	SBT50 x SLN1-1/4" - 4.5"	8.508	4.5	1.12	1	2.559	2.886	1.25	2.5	3/4"-16	4.65
5027-653-A80-400	SBT50 x SLN1-1/2" - 4"	8	4	1.12	1	2.559	2.504	1.5	2.5	3/4"-16	4.17

Features:

- ▶ Internal hole tolerance: H5 (DIN-1835-B standard).
- ▶ The tolerance requirement of tool shank diameter is h6.
- ▶ Taking use of side lock screws to clamp tools with lateral flat surfaces. Good at heavy-duty machining.

Product information:

- ▶ The pre-balance reaches G6.3 8,000 rpm. Higher balancing grade and revolution can be done upon request but additional charge is needed.
- ▶ AD+B type is available, please inform us when making an order.

Standard Accessory: • LOCK SCREW

Pull Stud	Torque Wrench Adapter (Pull Stud)	Spanner (Pull Stud)	Lock Screw
P.X-72~73	P.X-81, 85	P.X-86	P.X-124

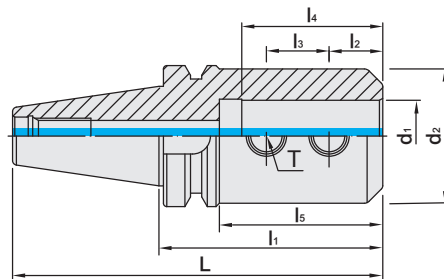


SBT / SLN SIDE LOCK END MILL HOLDER

JIS TYPE

Dual
DRIVE+

SBT / SLN 法蘭加厚型側固式立銑刀桿 [JIS 型]



MODEL NO.	TYPE	L	l ₁	l ₂	l ₃	l ₄	l ₅	d ₁	d ₂	T	WEIGHT (KGS)
5026-654-006-075	SBT40 x SLN6 - 75JIS	140.4	75	12	10	35	45	6	25	M6 x 1.0P	1.20
5026-654-008-075	SBT40 x SLN8 - 75JIS	140.4	75	14	12	35	45	8	28	M8 x 1.25P	1.20
5026-654-010-075	SBT40 x SLN10 - 75JIS	140.4	75	15	14	39	45	10	35	M10 x 1.5P	1.40
5026-654-012-075	SBT40 x SLN12 - 75JIS	140.4	75	20	16	44	45	12	42	M10 x 1.5P	1.50
5026-654-016-075	SBT40 x SLN16 - 75JIS	140.4	75	22	18	47	45	16	48	M10 x 1.5P	1.60
5026-654-020-090	SBT40 x SLN20 - 90JIS	155.4	90	25	20	55	60	20	50	M12 x 1.75P	1.75
5026-654-025-090	SBT40 x SLN25 - 90JIS	155.4	90	24	25	58	60	25	50	M12 x 1.75P	1.70
5026-654-032-100	SBT40 x SLN32 - 100JIS	165.4	100	24	28	63	73	32	60	M16 x 2.0P	2.10
5027-654-006-075	SBT50 x SLN6 - 75JIS	176.8	75	12	10	35	27	6	25	M6 x 1.0P	3.90
5027-654-008-075	SBT50 x SLN8 - 75JIS	176.8	75	14	12	35	27	8	28	M8 x 1.25P	3.90
5027-654-010-075	SBT50 x SLN10 - 75JIS	176.8	75	15	14	39	32	10	35	M10 x 1.5P	3.90
5027-654-012-090	SBT50 x SLN12 - 90JIS	191.8	90	20	16	44	42	12	42	M10 x 1.5P	3.90
5027-654-016-090	SBT50 x SLN16 - 90JIS	191.8	90	22	18	47	42	16	48	M10 x 1.5P	3.90
5027-654-020-090	SBT50 x SLN20 - 90JIS	191.8	90	25	20	55	49	20	50	M12 x 1.75P	4.50
5027-654-025-100	SBT50 x SLN25 - 100JIS	201.8	100	24	25	58	59	25	50	M12 x 1.75P	4.58
5027-654-032-105	SBT50 x SLN32 - 105JIS	206.8	105	24	28	63	64	32	60	M16 x 2.0P	4.89

Features:

- ▶ Internal hole tolerance: H5.
- ▶ The tolerance requirement of tool shank diameter is h6.
- ▶ Taking use of side lock screws to clamp tools with lateral flat surfaces. Good at heavy-duty machining.

Product information:

- ▶ The pre-balance reaches G6.3 8,000 rpm. Higher balancing grade and revolution can be done upon request but additional charge is needed.
- ▶ AD+B type is available, please inform us when making an order.

Standard Accessory: • LOCK SCREW

Pull Stud	Torque Wrench Adapter (Pull Stud)	Spanner (Pull Stud)	Lock Screw
			
P.X-72~73	P.X-81, 85	P.X-86	P.X-124

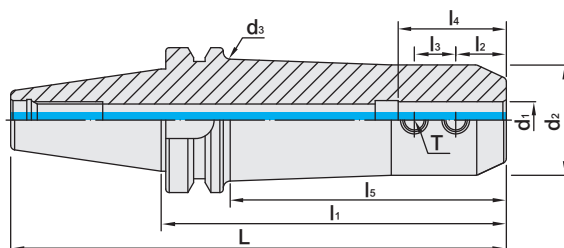
SBT / SLN SIDE LOCK END MILL HOLDER

JIS TYPE

SBT

Dual
DRIVE+

SBT / SLN 法蘭加厚型側固式立銑刀桿 [JIS 型]



MODEL NO.	TYPE	L	l ₁	l ₂	l ₃	l ₄	l ₅	d ₁	d ₂	d ₃	T	WEIGHT (KGS)
5026-654-006-150	SBT40 x SLN6 - 150JIS	215.4	150	12	10	35	113	6	25	30	M6 x 1.0P	1.50
5026-654-008-150	SBT40 x SLN8 - 150JIS	215.4	150	14	12	35	113	8	28	33	M8 x 1.25P	1.50
5026-654-010-150	SBT40 x SLN10 - 150JIS	215.4	150	15	14	39	118	10	35	40	M10 x 1.5P	1.50
5026-654-012-150	SBT40 x SLN12 - 150JIS	215.4	150	20	16	44	118	12	42	47	M10 x 1.5P	1.70
5026-654-016-150	SBT40 x SLN16 - 150JIS	215.4	150	22	18	47	120	16	48	53	M10 x 1.5P	1.70
5026-654-020-150	SBT40 x SLN20 - 150JIS	215.4	150	25	20	55	120	20	52	57	M12 x 1.75P	1.80
5027-654-012-165	SBT50 x SLN12 - 165JIS	266.8	165	20	16	44	124	12	42	47	M10 x 1.5P	5.00
5027-654-016-165	SBT50 x SLN16 - 165JIS	266.8	165	22	18	47	117	16	48	53	M10 x 1.5P	5.00
5027-654-020-165	SBT50 x SLN20 - 165JIS	266.8	165	25	20	55	117	20	50	57	M12 x 1.75P	6.00
5027-654-020-210	SBT50 x SLN20 - 210JIS	311.8	210	25	20	55	162	20	50	57	M12 x 1.75P	7.00
5027-654-025-165	SBT50 x SLN25 - 165JIS	266.8	165	24	25	58	117	25	50	57	M12 x 1.75P	5.50
5027-654-025-210	SBT50 x SLN25 - 210JIS	311.8	210	24	25	58	162	25	50	57	M12 x 1.75P	6.00
5027-654-025-250	SBT50 x SLN25 - 250JIS	351.8	250	24	25	58	202	25	50	57	M12 x 1.75P	7.00
5027-654-032-165	SBT50 x SLN32 - 165JIS	266.8	165	24	28	63	117	32	60	65	M16 x 2.0P	6.22
5027-654-032-210	SBT50 x SLN32 - 210JIS	311.8	210	24	28	63	162	32	60	65	M16 x 2.0P	6.34
5027-654-032-250	SBT50 x SLN32 - 250JIS	351.8	250	24	28	63	202	32	60	65	M16 x 2.0P	7.50
5027-654-032-300	SBT50 x SLN32 - 300JIS	401.8	300	24	28	63	252	32	60	65	M16 x 2.0P	8.00

Features:

- ▶ Internal hole tolerance: H5.
- ▶ The tolerance requirement of tool shank diameter is h6.
- ▶ Taking use of side lock screws to clamp tools with lateral flat surfaces. Good at heavy-duty machining.

Product information:

- ▶ The pre-balance reaches G6.3 8,000 rpm. Higher balancing grade and revolution can be done upon request but additional charge is needed.
- ▶ AD+B type is available, please inform us when making an order.

Standard Accessory: • LOCK SCREW

Pull Stud	Torque Wrench Adapter (Pull Stud)	Spanner (Pull Stud)	Lock Screw
P.X-72~73	P.X-81, 85	P.X-86	P.X-124



SBT / SLN SIDE LOCK END MILL HOLDER

JIS-FID TYPE

SBT / SLN 側固式立銑刀桿 [JIS-FID 型]



Fig.1

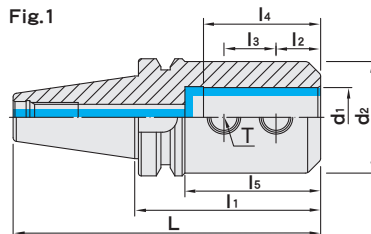
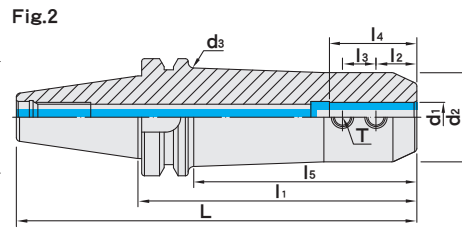


Fig.2



MODEL NO.	TYPE	L	l ₁	l ₂	l ₃	l ₄	l ₅	d ₁	d ₂	d ₃	T	Fig	WEIGHT (KGS)
5026-S34-006-075	SBT40 x SLN6 - 75JIS - FID	140.4	75	12	10	35	45	6	25	-	M6 x 1.0P	1	1.2
5026-S34-006-150	SBT40 x SLN6 - 150JIS - FID	215.4	150	12	10	35	113	6	25	30	M6 x 1.0P	2	1.5
5026-S34-008-075	SBT40 x SLN8 - 75JIS - FID	140.4	75	14	12	35	45	8	28	-	M8 x 1.25P	1	1.2
5026-S34-008-150	SBT40 x SLN8 - 150JIS - FID	215.4	150	14	12	35	113	8	28	33	M8 x 1.25P	2	1.5
5026-S34-010-075	SBT40 x SLN10 - 75JIS - FID	140.4	75	15	14	39	45	10	35	-	M10 x 1.5P	1	1.4
5026-S34-010-150	SBT40 x SLN10 - 150JIS - FID	215.4	150	15	14	39	118	10	35	40	M10 x 1.5P	2	1.5
5026-S34-012-075	SBT40 x SLN12 - 75JIS - FID	140.4	75	20	16	44	45	12	42	-	M10 x 1.5P	1	1.5
5026-S34-012-150	SBT40 x SLN12 - 150JIS - FID	215.4	150	20	16	44	118	12	42	47	M10 x 1.5P	2	1.7
5026-S34-016-075	SBT40 x SLN16 - 75JIS - FID	140.4	75	22	18	47	45	16	48	-	M10 x 1.5P	1	1.6
5026-S34-016-150	SBT40 x SLN16 - 150JIS - FID	215.4	150	22	18	47	120	16	48	53	M10 x 1.5P	2	1.7
5026-S34-020-090	SBT40 x SLN20 - 90JIS - FID	155.4	90	25	20	55	60	20	50	-	M12 x 1.75P	1	1.75
5026-S34-020-150	SBT40 x SLN20 - 150JIS - FID	215.4	150	25	20	55	120	20	52	57	M12 x 1.75P	2	1.8
5026-S34-025-090	SBT40 x SLN25 - 90JIS - FID	155.4	90	24	25	58	60	25	50	-	M12 x 1.75P	1	1.7
5026-S34-032-100	SBT40 x SLN32 - 100JIS - FID	165.4	100	24	28	63	73	32	60	-	M16 x 2.0P	1	2.1

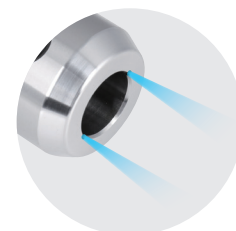
Features:

- ▶ Internal hole tolerance: H5.
- ▶ The tolerance requirement of tool shank diameter is h6.
- ▶ Taking use of side lock screws to clamp tools with lateral flat surfaces. Good at heavy-duty machining.
- ▶ JIS type: standard length is longer than DIN type; types from SLN20 to SLN32 have smaller d2 OD dimensions than DIN type to avoid interference.
- ▶ FID type: two coolant flutes enable coolant on tool path, no need for expensive coolant-thru tools.

Product information:

- ▶ The pre-balance reaches G6.3 8,000 rpm. Higher balancing grade and revolution can be done upon request but additional charge is needed.
- ▶ AD+B type is available, please inform us when making an order.

Pull Stud	Torque Wrench Adapter (Pull Stud)	Spanner (Pull Stud)	Lock Screw
			
P.X-72~73	P.X-81, 85	P.X-86	P.X-124



SBT / SLN SIDE LOCK END MILL HOLDER

JIS-FID TYPE

SBT

SBT / SLN 側固式立銑刀桿 [JIS-FID 型]



Fig.1

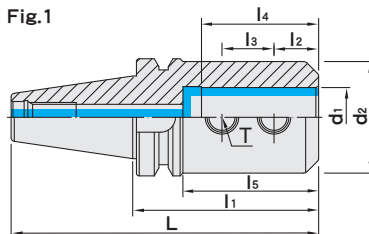
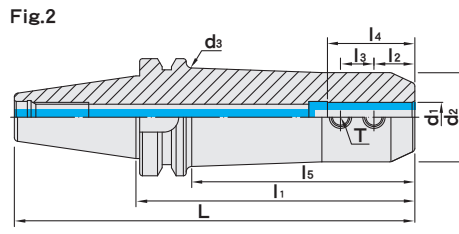


Fig.2



MODEL NO.	TYPE	L	l ₁	l ₂	l ₃	l ₄	l ₅	d ₁	d ₂	d ₃	T	Fig	WEIGHT (KGS)
5027-S34-006-075	SBT50 x SLN6 - 75JIS - FID	176.8	75	12	10	35	27	6	25	-	M6 x 1.0P	1	3.9
5027-S34-008-075	SBT50 x SLN8 - 75JIS - FID	176.8	75	14	12	35	27	8	28	-	M8 x 1.25P	1	3.9
5027-S34-010-075	SBT50 x SLN10 - 75JIS - FID	176.8	75	15	14	39	32	10	35	-	M10 x 1.5P	1	3.9
5027-S34-012-090	SBT50 x SLN12 - 90JIS - FID	191.8	90	20	16	44	42	12	42	-	M10 x 1.5P	1	3.9
5027-S34-012-165	SBT50 x SLN12 - 165JIS - FID	266.8	165	20	16	44	124	12	42	47	M10 x 1.5P	2	5
5027-S34-016-090	SBT50 x SLN16 - 90JIS - FID	191.8	90	22	18	47	42	16	48	-	M10 x 1.5P	1	3.9
5027-S34-016-165	SBT50 x SLN16 - 165JIS - FID	266.8	165	22	18	47	117	16	48	53	M10 x 1.5P	2	5
5027-S34-020-090	SBT50 x SLN20 - 90JIS - FID	191.8	90	25	20	55	49	20	50	-	M12 x 1.75P	1	4.5
5027-S34-020-165	SBT50 x SLN20 - 165JIS - FID	266.8	165	25	20	55	117	20	50	57	M12 x 1.75P	2	6
5027-S34-020-210	SBT50 x SLN20 - 210JIS - FID	311.8	210	25	20	55	162	20	50	57	M12 x 1.75P	2	7
5027-S34-025-100	SBT50 x SLN25 - 100JIS - FID	201.8	100	24	25	58	59	25	50	-	M12 x 1.75P	1	4.58
5027-S34-025-165	SBT50 x SLN25 - 165JIS - FID	266.8	165	24	25	58	117	25	50	57	M12 x 1.75P	2	5.5
5027-S34-025-210	SBT50 x SLN25 - 210JIS - FID	311.8	210	24	25	58	169	25	50	57	M12 x 1.75P	2	6
5027-S34-025-250	SBT50 x SLN25 - 250JIS - FID	351.8	250	24	25	58	202	25	50	60	M12 x 1.75P	2	7
5027-S34-032-105	SBT50 x SLN32 - 105JIS - FID	206.8	105	24	28	63	64	32	60	-	M16 x 2.0P	1	4.89
5027-S34-032-165	SBT50 x SLN32 - 165JIS - FID	266.8	165	24	28	63	117	32	60	65	M16 x 2.0P	2	6.22
5027-S34-032-210	SBT50 x SLN32 - 210JIS - FID	311.8	210	24	28	63	162	32	50	60	M16 x 2.0P	2	6.34
5027-S34-032-250	SBT50 x SLN32 - 250JIS - FID	351.8	250	24	28	63	207	32	50	60	M16 x 2.0P	2	7.5
5027-S34-032-300	SBT50 x SLN32 - 300JIS - FID	401.8	300	24	28	63	257	32	60	65	M16 x 2.0P	2	8

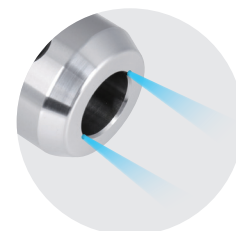
Features:

- ▶ Internal hole tolerance: H5.
- ▶ The tolerance requirement of tool shank diameter is h6.
- ▶ Taking use of side lock screws to clamp tools with lateral flat surfaces. Good at heavy-duty machining.
- ▶ JIS type: standard length is longer than DIN type; types from SLN20 to SLN32 have smaller d2 OD dimensions than DIN type to avoid interference.
- ▶ FID type: two coolant flutes enable coolant on tool path, no need for expensive coolant-thru tools.

Product information:

- ▶ The pre-balance reaches G6.3 8,000 rpm. Higher balancing grade and revolution can be done upon request but additional charge is needed.
- ▶ AD+B type is available, please inform us when making an order.

Pull Stud	Torque Wrench Adapter (Pull Stud)	Spanner (Pull Stud)	Lock Screw
P.X-72~73	P.X-81, 85	P.X-86	P.X-124



SBT FACE MILL ARBOR

FMA TYPE

Dual
DRIVE+

SBT / FMA 法蘭加厚型平面銑刀桿



Fig.1

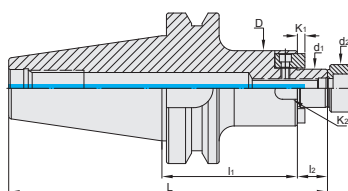
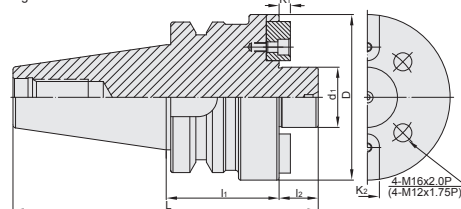


Fig.2



INCHES

MODEL NO.	TYPE	L	l ₁	l ₂	D	d ₁	d ₂	K ₁	K ₂	Fig	WEIGHT (KGS)
5025-151-A64-177	SBT30 x FMA25.4 - 45	113.4	45	20	50	25.4	31.5	5	9.52	1	1.10
5025-151-A64-236	SBT30 x FMA25.4 - 60	128.4	60	20	50	25.4	31.5	5	9.52	1	1.30
5025-151-A72-177	SBT30 x FMA31.75 - 45	115.4	45	22	60	31.75	41	6	12.7	1	1.16
5026-151-A64-177	SBT40 x FMA25.4 - 45	130.4	45	20	50	25.4	31.5	5	9.52	1	1.80
5026-151-A64-236	SBT40 x FMA25.4 - 60	145.4	60	20	50	25.4	31.5	5	9.52	1	1.45
5026-151-A64-354	SBT40 x FMA25.4 - 90	175.4	90	20	50	25.4	31.5	5	9.52	1	2.10
5026-151-A64-413	SBT40 x FMA25.4 - 105	190.4	105	20	50	25.4	31.5	5	9.52	1	2.70
5026-151-A64-591	SBT40 x FMA25.4 - 150	235.4	150	20	50	25.4	31.5	5	9.52	1	3.00
5026-151-A72-177	SBT40 x FMA31.75 - 45	132.4	45	22	60	31.75	41	6	12.7	1	1.70
5026-151-A72-295	SBT40 x FMA31.75 - 75	162.4	75	22	60	31.75	41	6	12.7	1	2.70
5026-151-A72-354	SBT40 x FMA31.75 - 90	177.4	90	22	60	31.75	41	6	12.7	1	2.65
5026-151-A80-236	SBT40 x FMA38.1 - 60	150.4	60	25	75	38.1	44.5	8	15.87	1	2.25
5026-151-A80-591	SBT40 x FMA38.1 - 150	240.4	150	25	75	38.1	44.5	8	15.87	1	2.85
5026-151-A96-236	SBT40 x FMA50.8 - 60	161.4	60	36	98	50.8	65	10	19.05	1	2.25
5027-151-A64-177	SBT50 x FMA25.4 - 45	166.8	45	20	50	25.4	31.5	4.52	9.52	1	4.40
5027-151-A64-354	SBT50 x FMA25.4 - 90	211.8	90	20	50	25.4	31.5	5	9.52	1	5.10
5027-151-A64-591	SBT50 x FMA25.4 - 150	271.8	150	20	50	25.4	31.5	5	9.52	1	6.10
5027-151-A72-177	SBT50 x FMA31.75 - 45	168.8	45	22	60	31.75	41	6.2	12.7	1	4.50
5027-151-A72-295	SBT50 x FMA31.75 - 75	198.8	75	22	60	31.75	41	6	12.7	1	5.70
5027-151-A72-413	SBT50 x FMA31.75 - 105	228.8	105	22	60	31.75	41	6	12.7	1	5.70
5027-151-A80-177	SBT50 x FMA38.1 - 45	171.8	45	25	80	38.1	44.5	8.87	15.87	1	5.20
5027-151-A80-295	SBT50 x FMA38.1 - 75	201.8	75	25	80	38.1	44.5	8	15.87	1	6.00
5027-151-A96-177	SBT50 x FMA50.8 - 45	182.8	45	36	98	50.8	65	9.75	19.05	1	5.70
5027-151-A96-295	SBT50 x FMA50.8 - 75	212.8	75	36	98	50.8	65	10	19.05	1	6.80
5027-155-A92-295	SBT50 x FMA47.62 - 75	208.8	75	32	128.75	47.62	-	12.4	25.4	2	7.90

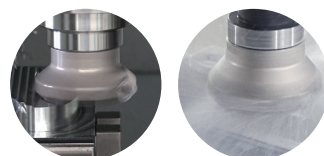
Features:

- Tolerance of d1 the connection part with cutter: h6, which is good for less chatter and longer cutter life.
- Standard screw attached is w/o coolant hole.
- To use with face mill cutters with coolant holes, the standard screw has to be changed into the screw with coolant flute, which is available to order separately.

Product information:

- AD+B type is available, please inform us when making an order.
- SBT30 tool holders are without coolant supply over collars.

Pull Stud	Torque Wrench Adapter (Pull Stud)	Spanner (Pull Stud)	Screw
P.X-72~73	P.X-81, 85	P.X-86	P.X-124



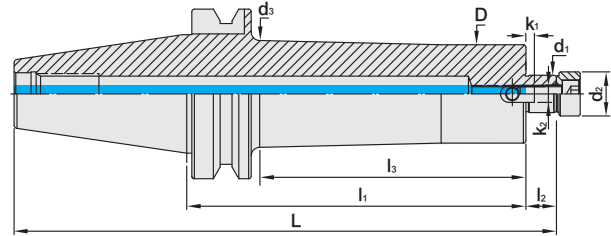
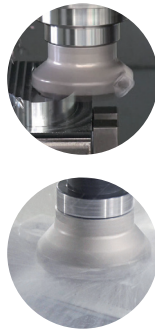
SBT FACE MILL ARBOR

EXTENSION TYPE

SBT

Dual
DRIVE+

SBT / FMA 法蘭加厚型平面銑刀桿 [加長斜度柄]



INCHES

MODEL NO.	TYPE	L	l ₁	l ₂	l ₃	D	d ₁	d ₂	d ₃	K ₁	K ₂	WEIGHT (KGS)
5027-152-A64-492	SBT50 x FMA25.4 - 125BG	246.8	125	20	79	48	25.4	31.5	60	5	9.52	5.30
5027-152-A64-591	SBT50 x FMA25.4 - 150BG	271.8	150	20	102	48	25.4	31.5	60	5	9.52	6.40
5027-152-A64-787	SBT50 x FMA25.4 - 200BG	321.8	200	20	152	58	25.4	31.5	63	5	9.52	7.50
5027-152-A64-984	SBT50 x FMA25.4 - 250BG	371.8	250	20	202	58	25.4	31.5	63	5	9.52	8.60
5027-152-A64-1181	SBT50 x FMA25.4 - 300BG	421.8	300	20	252	58	25.4	31.5	63	5	9.52	9.70
5027-152-A64-1378	SBT50 x FMA25.4 - 350BG	471.8	350	20	302	58	25.4	31.5	66	5	9.52	10.8
5027-152-A64-1575	SBT50 x FMA25.4 - 400BG	521.8	400	20	352	58	25.4	31.5	66	5	9.52	11.9
5027-152-A72-492	SBT50 x FMA31.75 - 125BG	248.8	125	22	82	70	31.75	41	75	6	12.7	5.60
5027-152-A72-591	SBT50 x FMA31.75 - 150BG	273.8	150	22	107	70	31.75	41	75	6	12.7	6.30
5027-152-A72-689	SBT50 x FMA31.75 - 175BG	298.8	175	22	132	70	31.75	41	75	6	12.7	8.30
5027-152-A72-787	SBT50 x FMA31.75 - 200BG	323.8	200	22	157	70	31.75	41	75	6	12.7	9.10
5027-152-A72-984	SBT50 x FMA31.75 - 250BG	373.8	250	22	207	70	31.75	41	75	6	12.7	10.6
5027-152-A72-1181	SBT50 x FMA31.75 - 300BG	423.8	300	22	252	70	31.75	41	75	6	12.7	12.1
5027-152-A72-1378	SBT50 x FMA31.75 - 350BG	473.8	350	22	302	70	31.75	41	75	6	12.7	13.6

Features:

- ▶ BG extension type: special design of enlarged neck for arbor prolonged length to improve the rigidity and achieve anti-vibration.
- ▶ Tolerance of d1 the connection part with cutter: h6, which is good for less chatter and longer cutter life.
- ▶ Standard screw attached is w/o coolant hole.
- ▶ To use with face mill cutters with coolant holes, the standard screw has to be changed into the screw with coolant flute, which is available to order separately.

Product information:

- ▶ AD+B type is available, please inform us when making an order.

Pull Stud	Torque Wrench Adapter (Pull Stud)	Spanner (Pull Stud)	Screw
P.X-72~73	P.X-81, 85	P.X-86	P.X-124

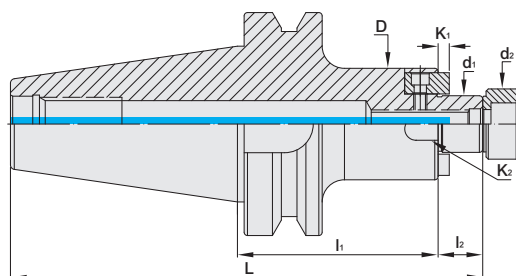
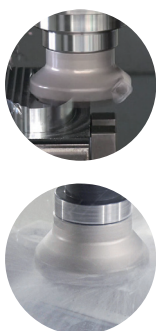


SBT FACE MILL ARBOR

FMB TYPE

Dual
DRIVE+

SBT / FMB 法蘭加厚型平面銑刀桿



MODEL NO.	TYPE	L	l ₁	l ₂	D	d ₁	d ₂	K ₁	K ₂	WEIGHT (KGS)
5025-153-016-045	SBT30 x FMB16 - 45	110.4	45	17	34	16	13	5	8	0.57
5025-153-022-045	SBT30 x FMB22 - 45	112.4	45	19	48	22	26	5	10	0.85
5025-153-022-060	SBT30 x FMB22 - 60	127.4	60	19	48	22	26	5	10	1.02
5025-153-027-045	SBT30 x FMB27 - 45	113.4	45	20	60	27	31.5	6	12	1.06
5025-153-027-060	SBT30 x FMB27 - 60	128.4	60	20	60	27	31.5	6	12	1.35
5025-153-032-045	SBT30 x FMB32 - 45	115.4	45	22	78	32	41	7	14	1.35
5026-153-016-050	SBT40 x FMB16 - 50	132.4	50	17	34	16	13	5	8	1.15
5026-153-016-065	SBT40 x FMB16 - 65	147.4	65	17	38	16	13	5	8	1.24
5026-153-016-120	SBT40 x FMB16 - 120	202.4	120	17	38	16	13	5	8	1.57
5026-153-022-045	SBT40 x FMB22 - 45	129.4	45	19	48	22	26	5	10	1.45
5026-153-022-060	SBT40 x FMB22 - 60	144.4	60	19	48	22	26	5	10	1.54
5026-153-022-100	SBT40 x FMB22 - 100	184.4	100	19	48	22	26	5	10	2.10
5026-153-027-045	SBT40 x FMB27 - 45	130.4	45	20	60	27	31.5	6	12	1.60
5026-153-027-060	SBT40 x FMB27 - 60	145.4	60	20	60	27	31.5	6	12	2.00
5026-153-027-090	SBT40 x FMB27 - 90	175.4	90	20	60	27	31.5	6	12	2.30
5026-153-027-105	SBT40 x FMB27 - 105	190.4	105	20	60	27	31.5	6	12	2.10
5026-153-032-060	SBT40 x FMB32 - 60	147.4	60	22	78	32	41	6.8	14	2.35
5026-153-040-060	SBT40 x FMB40 - 60	150.4	60	25	80	40	48	8	16	2.80
5026-153-040-075	SBT40 x FMB40 - 75	165.4	75	25	80	40	48	8	16	2.97
5026-153-040-105	SBT40 x FMB40 - 105	195.4	105	25	80	40	48	8	16	3.27

Features:

- Tolerance of d1 the connection part with cutter: h6, which is good for less chatter and longer cutter life.
- Standard screw attached is w/o coolant hole.
- To use with face mill cutters with coolant holes, the standard screw has to be changed into the screw with coolant flute, which is available to order separately.

Product information:

- AD+B type is available, please inform us when making an order.
- SBT30 tool holders are without coolant supply over collars.

Pull Stud	Torque Wrench Adapter (Pull Stud)	Spanner (Pull Stud)	Screw
			
P.X-72~73	P.X-81, 85	P.X-86	P.X-124



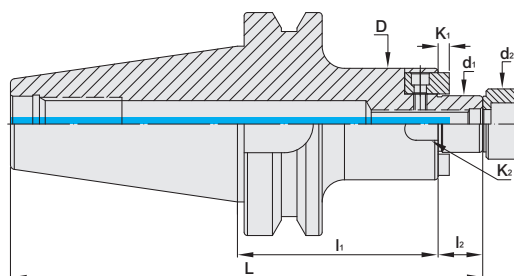
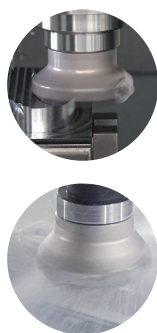
SBT FACE MILL ARBOR

FMB TYPE

SBT

Dual
DRIVE+

SBT / FMB 法蘭加厚型平面銑刀桿



MODEL NO.	TYPE	L	l ₁	l ₂	D	d ₁	d ₂	K ₁	K ₂	WEIGHT (KGS)
5027-153-016-050	SBT50 x FMB16 - 50	168.8	50	17	34	16	-	5	8	3.69
5027-153-016-100	SBT50 x FMB16 - 100	218.8	100	17	34	16	-	5	8	3.92
5027-153-016-150	SBT50 x FMB16 - 150	268.8	150	17	34	16	-	5	8	4.21
5027-153-016-200	SBT50 x FMB16 - 200	318.8	200	17	34	16	-	5	8	4.46
5027-153-016-250	SBT50 x FMB16 - 250	368.8	250	17	34	16	-	5	8	4.67
5027-153-016-300	SBT50 x FMB16 - 300	418.8	300	17	34	16	-	5	8	4.89
5027-153-016-350	SBT50 x FMB16 - 350	468.8	350	17	34	16	-	5	8	5.11
5027-153-016-400	SBT50 x FMB16 - 400	518.8	400	17	34	16	-	5	8	5.32
5027-153-016-450	SBT50 x FMB16 - 450	568.8	450	17	34	16	-	5	8	5.54
5027-153-022-045	SBT50 x FMB22 - 45	165.8	45	19	48	22	26	4.8	10	4.75
5027-153-022-090	SBT50 x FMB22 - 90	210.8	90	19	48	22	26	5	10	5.10
5027-153-022-150	SBT50 x FMB22 - 150	270.8	150	19	48	22	26	5	10	6.80
5027-153-022-200	SBT50 x FMB22 - 200	320.8	200	19	48	22	26	5	10	5.49
5027-153-022-250	SBT50 x FMB22 - 250	370.8	250	19	48	22	26	5	10	6.05
5027-153-022-300	SBT50 x FMB22 - 300	420.8	300	19	48	22	26	5	10	6.61
5027-153-022-350	SBT50 x FMB22 - 350	470.8	350	19	48	22	26	5	10	7.18
5027-153-022-400	SBT50 x FMB22 - 400	520.8	400	19	48	22	26	5	10	7.74
5027-153-022-450	SBT50 x FMB22 - 450	570.8	450	19	48	22	26	5	10	8.30
5027-153-027-050	SBT50 x FMB27 - 50	171.8	50	20	60	27	31.5	5.8	12	4.30
5027-153-027-090	SBT50 x FMB27 - 90	211.8	90	20	60	27	31.5	6	12	5.40
5027-153-027-150	SBT50 x FMB27 - 150	271.8	150	20	60	27	31.5	6	12	6.50
5027-153-027-200	SBT50 x FMB27 - 200	321.8	200	20	60	27	31.5	6	12	7.50
5027-153-027-250	SBT50 x FMB27 - 250	371.8	250	20	60	27	31.5	6	12	8.50
5027-153-027-300	SBT50 x FMB27 - 300	421.8	300	20	60	27	31.5	6	12	8.73
5027-153-027-350	SBT50 x FMB27 - 350	471.8	350	20	60	27	31.5	6	12	9.73
5027-153-027-400	SBT50 x FMB27 - 400	521.8	400	20	60	27	31.5	6	12	10.69
5027-153-027-450	SBT50 x FMB27 - 450	571.8	450	20	60	27	31.5	6	12	11.64

Features:

- ▶ Tolerance of d1 the connection part with cutter: h6, which is good for less chatter and longer cutter life.
- ▶ Standard screw attached is w/o coolant hole.
- ▶ To use with face mill cutters with coolant holes, the standard screw has to be changed into the screw with coolant flute, which is available to order separately.

Product information:

- ▶ AD+B type is available, please inform us when making an order.

Pull Stud	Torque Wrench Adapter (Pull Stud)	Spanner (Pull Stud)	Screw
P.X-72~73	P.X-81, 85	P.X-86	P.X-124

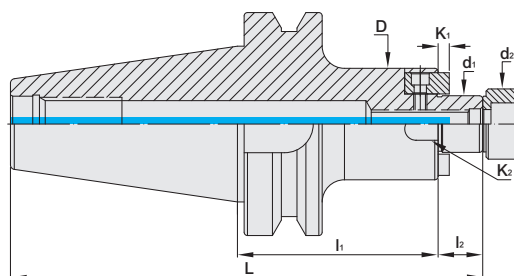
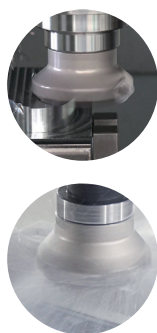


SBT FACE MILL ARBOR

FMB TYPE

Dual
DRIVE+

SBT / FMB 法蘭加厚型平面銑刀桿



MODEL NO.	TYPE	L	l ₁	l ₂	D	d ₁	d ₂	K ₁	K ₂	WEIGHT (KGS)
5027-153-032-050	SBT50 x FMB32 - 50	173.8	50	22	78	32	41	6.8	14	4.60
5027-153-032-090	SBT50 x FMB32 - 90	213.8	90	22	78	32	41	7	14	5.80
5027-153-032-150	SBT50 x FMB32 - 150	273.8	150	22	78	32	41	7	14	7.64
5027-153-032-200	SBT50 x FMB32 - 200	323.8	200	22	78	32	41	7	14	9.34
5027-153-032-250	SBT50 x FMB32 - 250	373.8	250	22	78	32	41	7	14	11.05
5027-153-032-300	SBT50 x FMB32 - 300	423.8	300	22	78	32	41	7	14	12.76
5027-153-032-350	SBT50 x FMB32 - 350	473.8	350	22	78	32	41	7	14	14.46
5027-153-032-400	SBT50 x FMB32 - 400	523.8	400	22	78	32	41	7	14	16.17
5027-153-032-450	SBT50 x FMB32 - 450	573.8	450	22	78	32	41	7	14	17.88
5027-153-040-050	SBT50 x FMB40 - 50	176.8	50	25	89	40	48	7.9	16	5.20
5027-153-040-090	SBT50 x FMB40 - 90	216.8	90	25	89	40	48	8	16	6.00
5027-153-040-105	SBT50 x FMB40 - 105	231.8	105	25	89	40	48	8	16	7.20
5027-153-040-150	SBT50 x FMB40 - 150	276.8	150	25	89	40	48	8	16	7.90
5027-153-040-200	SBT50 x FMB40 - 200	326.8	200	25	89	40	48	8	16	11.36
5027-153-040-250	SBT50 x FMB40 - 250	376.8	250	25	89	40	48	8	16	13.62
5027-153-040-300	SBT50 x FMB40 - 300	426.8	300	25	89	40	48	8	16	15.88
5027-153-040-350	SBT50 x FMB40 - 350	476.8	350	25	89	40	48	8	16	18.14
5027-153-040-400	SBT50 x FMB40 - 400	526.8	400	25	89	40	48	8	16	20.41
5027-153-040-450	SBT50 x FMB40 - 450	576.8	450	25	89	40	48	8	16	22.67

Features:

- ▶ Tolerance of d₁ the connection part with cutter: h6, which is good for less chatter and longer cutter life.
- ▶ Standard screw attached is w/o coolant hole.
- ▶ To use with face mill cutters with coolant holes, the standard screw has to be changed into the screw with coolant flute, which is available to order separately.

Product information:

- ▶ AD+B type is available, please inform us when making an order.

Pull Stud	Torque Wrench Adapter (Pull Stud)	Spanner (Pull Stud)	Screw
P.X-72~73	P.X-81, 85	P.X-86	P.X-124

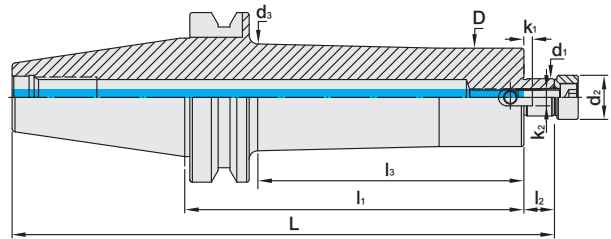
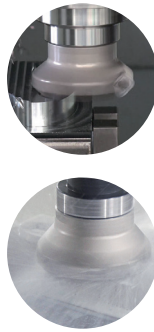
SBT FACE MILL ARBOR

EXTENSION TYPE

SBT



SBT / FMB 法蘭加厚型平面銑刀桿 [加長斜度柄]



MODEL NO.	TYPE	L	l ₁	l ₂	l ₃	D	d ₁	d ₂	d ₃	K ₁	K ₂	WEIGHT (KGS)
5026-154-022-150	SBT40 x FMB22 - 150BG	234.4	150	19	118	48	22	26	51	5	10	3.10
5026-154-022-200	SBT40 x FMB22 - 200BG	284.4	200	19	168	48	22	26	51	5	10	4.00
5026-154-022-250	SBT40 x FMB22 - 250BG	334.4	250	19	218	48	22	26	51	5	10	4.90
5027-154-022-150	SBT50 x FMB22 - 150BG	270.8	150	19	107	58	22	26	62.5	5	10	6.80
5027-154-022-200	SBT50 x FMB22 - 200BG	320.8	200	19	157	58	22	26	62.5	5	10	8.40
5027-154-022-250	SBT50 x FMB22 - 250BG	370.8	250	19	207	58	22	26	62.5	5	10	9.40
5027-154-022-300	SBT50 x FMB22 - 300BG	420.8	300	19	257	58	22	26	62.5	5	10	10.4
5027-154-022-350	SBT50 x FMB22 - 350BG	470.8	350	19	307	58	22	26	62.5	5	10	11.4
5027-154-022-400	SBT50 x FMB22 - 400BG	520.8	400	19	352	58	22	26	62.5	5	10	12.4
5027-154-022-450	SBT50 x FMB22 - 450BG	570.8	450	19	402	58	22	26	62.5	5	10	13.4
5027-154-022-500	SBT50 x FMB22 - 500BG	620.8	500	19	452	58	22	26	62.5	5	10	14.4
5027-154-027-150	SBT50 x FMB27 - 150BG	271.8	150	20	107	70	27	31.5	78	6	12	6.80
5027-154-027-200	SBT50 x FMB27 - 200BG	321.8	200	20	154	70	27	31.5	78	6	12	8.40
5027-154-027-250	SBT50 x FMB27 - 250BG	371.8	250	20	204	70	27	31.5	78	6	12	9.40
5027-154-027-300	SBT50 x FMB27 - 300BG	421.8	300	20	254	70	27	31.5	78	6	12	10.4
5027-154-027-350	SBT50 x FMB27 - 350BG	471.8	350	20	307	70	27	31.5	78	6	12	11.4
5027-154-027-400	SBT50 x FMB27 - 400BG	521.8	400	20	352	70	27	31.5	78	6	12	12.4
5027-154-027-450	SBT50 x FMB27 - 450BG	571.8	450	20	402	70	27	31.5	78	6	12	13.4
5027-154-027-500	SBT50 x FMB27 - 500BG	621.8	500	20	452	70	27	31.5	78	6	12	14.4
5027-154-032-150	SBT50 x FMB32 - 150BG	273.8	150	22	107	78	32	41	85	7	14	7.00
5027-154-032-200	SBT50 x FMB32 - 200BG	323.8	200	22	157	78	32	41	85	7	14	8.50
5027-154-032-250	SBT50 x FMB32 - 250BG	373.8	250	22	207	78	32	41	85	7	14	9.50
5027-154-032-300	SBT50 x FMB32 - 300BG	423.8	300	22	257	78	32	41	85	7	14	10.5
5027-154-032-350	SBT50 x FMB32 - 350BG	473.8	350	22	307	78	32	41	85	7	14	11.5
5027-154-032-400	SBT50 x FMB32 - 400BG	523.8	400	22	357	78	32	41	85	7	14	12.5
5027-154-032-450	SBT50 x FMB32 - 450BG	573.8	450	22	407	78	32	41	85	7	14	13.5
5027-154-032-500	SBT50 x FMB32 - 500BG	623.8	500	22	460	80	32	41	85	7	14	14.5

Features:

- ▶ BG extension type: special design of enlarged neck for arbor prolonged length to improve the rigidity and achieve anti-vibration.
- ▶ Tolerance of d₁ the connection part with cutter: h₆, which is good for less chatter and longer cutter life.
- ▶ Standard screw attached is w/o coolant hole.
- ▶ To use with face mill cutters with coolant holes, the standard screw has to be changed into the screw with coolant flute, which is available to order separately.

Product information:

- ▶ AD+B type is available, please inform us when making an order.

Pull Stud	Torque Wrench Adapter (Pull Stud)	Spanner (Pull Stud)	Screw
P.X-72~73	P.X-81, 85	P.X-86	P.X-124

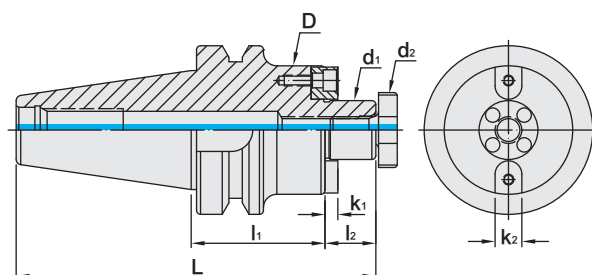


SBT FACE MILL ARBOR

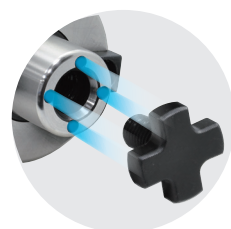
FMC TYPE

Dual
DRIVE+

SBT / FMC 法蘭加厚型平面銑刀桿



MODEL NO.	TYPE	L	l ₁	l ₂	D	d ₁	d ₂	K ₁	K ₂	WEIGHT (KGS)
5025-157-016-035	SBT30 x FMC16 - 35	100.4	35	17	38	16	20	5	8	0.72
5025-157-022-040	SBT30 x FMC22 - 40	107.4	40	19	45	22	28	4.8	10	0.80
5025-157-027-040	SBT30 x FMC27 - 40	108.4	40	20	58	27	35	5.8	12	1.06
5026-157-016-045	SBT40 x FMC16 - 45	127.4	45	17	38	16	20	5	8	1.20
5026-157-022-045	SBT40 x FMC22 - 45	129.4	45	19	50	22	28	4.8	10	1.34
5026-157-027-045	SBT40 x FMC27 - 45	130.4	45	20	60	27	35	5.8	12	1.56
5026-157-032-060	SBT40 x FMC32 - 60	147.4	60	22	78	32	42	6.8	14	1.96
5027-157-016-050	SBT50 x FMC16 - 50	168.8	50	17	40	16	20	5	8	4.00
5027-157-022-060	SBT50 x FMC22 - 60	180.8	60	19	50	22	28	4.8	10	4.10
5027-157-027-060	SBT50 x FMC27 - 60	181.8	60	20	60	27	35	5.8	12	4.30
5027-157-032-060	SBT50 x FMC32 - 60	183.8	60	22	78	32	42	6.8	14	4.60
5027-157-040-070	SBT50 x FMC40 - 70	196.8	70	25	89	40	52	7.9	16	5.20

**Features:**

- ▶ With four coolant holes on the face of tool holder to match with face mill cutters with coolant holes.
- ▶ Tolerance of d₁ the connection part with cutter: h6, which is good for less chatter and longer cutter life.

Product information:

- ▶ AD+B type is available, please inform us when making an order.
- ▶ SBT30 tool holders are without coolant supply over collars.

Standard Accessory: • NUT • SPANNER

Pull Stud	Nut	Spanner	Torque Wrench Adapter (Pull Stud)	Spanner (Pull Stud)
P.X-72~73	P.X-80	P.X-80	P.X-81, 85	P.X-86



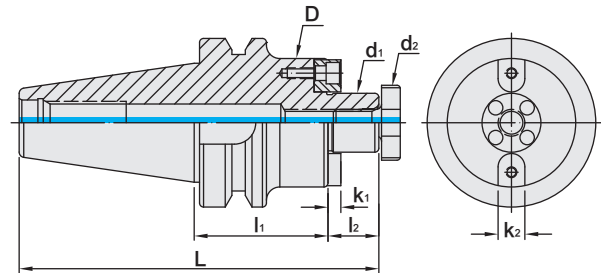
SBT FACE MILL ARBOR

FMC TYPE

SBT

Dual
DRIVE+

SBT / FMC 法蘭加厚型平面銑刀桿



MODEL NO.	TYPE	L	l ₁	l ₂	D	d ₁	d ₂	K ₁	K ₂	WEIGHT (KGS)
5026-157-A56-177	SBT40 x FMC22.225 - 45	127.4	45	17	47	22.225	28	3.5	8	1.50
5026-157-A56-236	SBT40 x FMC22.225 - 60	142.4	60	17	47	22.225	28	3.5	8	1.80
5026-157-A56-354	SBT40 x FMC22.225 - 90	172.4	90	17	47	22.225	28	3.5	8	2.50
5026-157-A64-236	SBT40 x FMC25.4 - 60	145.4	60	20	70	25.4	35	5	9.525	2.00
5026-157-A64-354	SBT40 x FMC25.4 - 90	175.4	90	20	70	25.4	35	5	9.525	2.70
5026-157-A64-413	SBT40 x FMC25.4 - 105	190.4	105	20	70	25.4	35	5	9.525	3.40
5026-157-A72-236	SBT40 x FMC31.75 - 60	147.4	60	22	76	31.75	42	7	12.7	2.50
5026-157-A72-354	SBT40 x FMC31.75 - 90	177.4	90	22	76	31.75	42	7	12.7	3.20
5027-157-A56-354	SBT50 x FMC22.225 - 90	208.8	90	17	47	22.225	28	3.5	8	4.40
5027-157-A56-413	SBT50 x FMC22.225 - 105	223.8	105	17	47	22.225	28	3.5	8	4.70
5027-157-A56-591	SBT50 x FMC22.225 - 150	268.8	150	17	47	22.225	28	3.5	8	5.30
5027-157-A56-787	SBT50 x FMC22.225 - 200	318.8	200	17	47	22.225	28	3.5	8	6.00
5027-157-A56-984	SBT50 x FMC22.225 - 250	368.8	250	17	47	22.225	28	3.5	8	6.60
5027-157-A56-1181	SBT50 x FMC22.225 - 300	418.8	300	17	47	22.225	28	3.5	8	7.70
5027-157-A56-1378	SBT50 x FMC22.225 - 350	468.8	350	17	47	22.225	28	3.5	8	8.90
5027-157-A64-177	SBT50 x FMC25.4 - 45	166.8	45	20	60	25.4	35	5	9.525	4.00
5027-157-A64-236	SBT50 x FMC25.4 - 60	181.8	60	20	60	25.4	35	5	9.525	4.50
5027-157-A64-354	SBT50 x FMC25.4 - 90	211.8	90	20	60	25.4	35	5	9.525	5.40
5027-157-A64-591	SBT50 x FMC25.4 - 150	271.8	150	20	60	25.4	35	5	9.525	7.20
5027-157-A64-787	SBT50 x FMC25.4 - 200	321.8	200	20	60	25.4	35	5	9.525	8.70
5027-157-A64-984	SBT50 x FMC25.4 - 250	371.8	250	20	60	25.4	35	5	9.525	10.3
5027-157-A64-1181	SBT50 x FMC25.4 - 300	421.8	300	20	60	25.4	35	5	9.525	11.8



Features:

- ▶ With four coolant holes on the face of tool holder to match with face mill cutters with coolant holes.
- ▶ Tolerance of d1 the connection part with cutter: h6, which is good for less chatter and longer cutter life.

Product information:

- ▶ AD+B type is available, please inform us when making an order.

Standard Accessory: • NUT • SPANNER

Pull Stud	Nut	Spanner	Torque Wrench Adapter (Pull Stud)	Spanner (Pull Stud)
P.X-72~73	P.X-80	P.X-80	P.X-81, 85	P.X-86

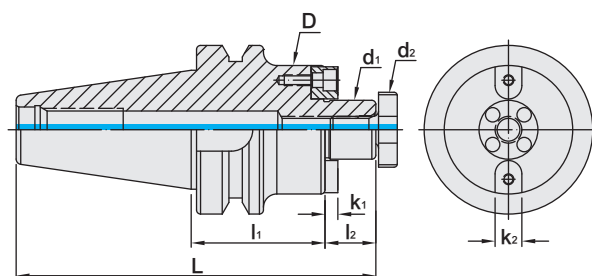


SBT FACE MILL ARBOR

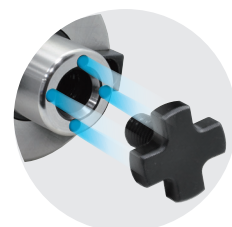
FMC TYPE

Dual
DRIVE+

SBT / FMC 法蘭加厚型平面銑刀桿



MODEL NO.	TYPE	L	l ₁	l ₂	D	d ₁	d ₂	K ₁	K ₂	WEIGHT (KGS)
5027-157-A72-177	SBT50 x FMC31.75 - 45	168.8	45	22	76	31.75	42	7	12.7	4.10
5027-157-A72-295	SBT50 x FMC31.75 - 75	198.8	75	22	76	31.75	42	7	12.7	5.20
5027-157-A72-413	SBT50 x FMC31.75 - 105	228.8	105	22	76	31.75	42	7	12.7	6.30
5027-157-A72-591	SBT50 x FMC31.75 - 150	273.8	150	22	76	31.75	42	7	12.7	7.90
5027-157-A72-787	SBT50 x FMC31.75 - 200	323.8	200	22	76	31.75	42	7	12.7	9.70
5027-157-A72-984	SBT50 x FMC31.75 - 250	373.8	250	22	76	31.75	42	7	12.7	11.6
5027-157-A72-1181	SBT50 x FMC31.75 - 300	423.8	300	22	76	31.75	42	7	12.7	13.4
5027-157-A80-177	SBT50 x FMC38.1 - 45	171.8	45	25	100	38.1	52	9	15.9	4.40
5027-157-A80-295	SBT50 x FMC38.1 - 75	201.8	75	25	100	38.1	52	9	15.9	6.30
5027-157-A80-413	SBT50 x FMC38.1 - 105	231.8	105	25	100	38.1	52	9	15.9	8.10
5027-157-A80-591	SBT50 x FMC38.1 - 150	276.8	150	25	100	38.1	52	9	15.9	10.9
5027-157-A80-787	SBT50 x FMC38.1 - 200	326.8	200	25	100	38.1	52	9	15.9	14.5
5027-157-A80-984	SBT50 x FMC38.1 - 250	376.8	250	25	100	38.1	52	9	15.9	17.5
5027-157-A80-1181	SBT50 x FMC38.1 - 300	426.8	300	25	100	38.1	52	9	15.9	19.2

**Features:**

- ▶ With four coolant holes on the face of tool holder to match with face mill cutters with coolant holes.
- ▶ Tolerance of d1 the connection part with cutter: h6, which is good for less chatter and longer cutter life.

Product information:

- ▶ AD+B type is available, please inform us when making an order.

Standard Accessory: • NUT • SPANNER

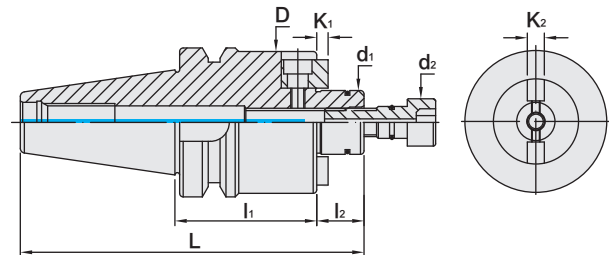
Pull Stud	Nut	Spanner	Torque Wrench Adapter (Pull Stud)	Spanner (Pull Stud)
P.X-72~73	P.X-80	P.X-80	P.X-81, 85	P.X-86



SBT / SMA FACE MILL ARBOR



SBT / SMA 法蘭加厚型平面銑刀桿



MODEL NO.	TYPE	L	l ₁	l ₂	D	d ₁	d ₂	K ₁	K ₂	WEIGHT (KGS)
5026-660-022-090	SBT40 x SMA22 - 90	174.4	90	19	48	22	18	5	10	1.90
5026-660-022-105	SBT40 x SMA22 - 105	189.4	105	19	48	22	18	5	10	1.10
5026-660-022-135	SBT40 x SMA22 - 135	219.4	135	19	48	22	18	5	10	2.20
5026-660-027-090	SBT40 x SMA27 - 90	175.4	90	20	60	27	20	6	12	2.00
5026-660-027-105	SBT40 x SMA27 - 105	190.4	105	20	60	27	20	6	12	2.10
5026-660-027-135	SBT40 x SMA27 - 135	220.4	135	20	60	27	20	6	12	2.20
5026-660-032-090	SBT40 x SMA32 - 90	177.4	90	22	80	32	22	7	14	2.40
5026-660-032-105	SBT40 x SMA32 - 105	192.4	105	22	80	32	22	7	14	2.50
5026-660-032-135	SBT40 x SMA32 - 135	222.4	135	22	80	32	22	7	14	2.60
5027-660-022-090	SBT50 x SMA22 - 90	210.8	90	19	48	22	18	5	10	4.80
5027-660-022-105	SBT50 x SMA22 - 105	225.8	105	19	48	22	18	5	10	5.00
5027-660-022-135	SBT50 x SMA22 - 135	255.8	135	19	48	22	18	5	10	5.10
5027-660-027-090	SBT50 x SMA27 - 90	211.8	90	20	60	27	20	6	12	5.40
5027-660-027-105	SBT50 x SMA27 - 105	226.8	105	20	60	27	20	6	12	5.50
5027-660-027-135	SBT50 x SMA27 - 135	256.8	135	20	60	27	20	6	12	5.60
5027-660-032-090	SBT50 x SMA32 - 90	213.8	90	22	80	32	22	7	14	5.80
5027-660-032-105	SBT50 x SMA32 - 105	228.8	105	22	80	32	22	7	14	5.90
5027-660-032-135	SBT50 x SMA32 - 135	258.8	135	22	80	32	22	7	14	6.00

Features:

- ▶ d₁ tolerance: h6.
- ▶ Suitable for SRM Shell Rough Fixation Mill.
- ▶ There is more than 80% contact area that can avoid vibration effectively.

Product information:

- ▶ AD+B type is available, please inform us when making an order.

Pull Stud	Torque Wrench Adapter (Pull Stud)	Spanner (Pull Stud)
P.X-72~73	P.X-81, 85	P.X-86

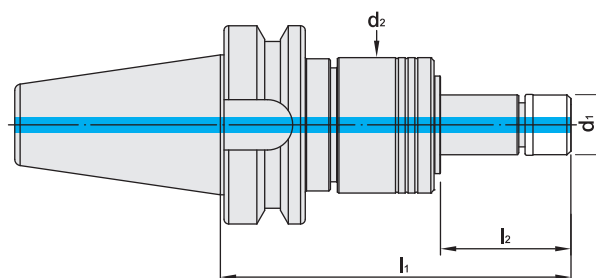


SBT / STA SYNCHRONIZED TAPPING HOLDER



SBT / STA 法蘭加厚型同步補償攻牙刀桿

[PRO-E TYPE]



TW PAT NO. I615223
 US PAT NO. 9796059
 CN PAT NO. ZL201620889099.X
 IT PAT NO. 202023000000993

MODEL NO.	TYPE	l ₁	l ₂	d ₁	d ₂	COMBINATION		WEIGHT (KGS)
						BODY	TAP ADAPTER	
5025-S11-011-090	SBT30 x STA11M - 90	90	30	16	42	SBT30 x STA1	STA1 - PRO-E11M - 30	0.73
5025-757-016-085	SBT30 x STA16P - 85	85	25	30	42	SBT30 x STA1	STA1 - PRO-E16 - 25	0.71
5025-757-016-130	SBT30 x STA16P - 130	130	70	30	42	SBT30 x STA1	STA1 - PRO-E16 - 70	0.83
5025-757-016-210	SBT30 x STA16P - 210	210	150	30	42	SBT30 x STA1	STA1 - PRO-E16 - 150	1.04
5025-757-020-094	SBT30 x STA20P - 94	94	34	35	42	SBT30 x STA1	STA1 - PRO-E20 - 34	0.76
5025-757-020-130	SBT30 x STA20P - 130	130	70	35	42	SBT30 x STA1	STA1 - PRO-E20 - 70	0.89
5026-S11-011-100	SBT40 x STA11M - 100	100	30	16	42	SBT40 x STA1	STA1 - PRO-E11M - 30	1.35
5026-757-016-095	SBT40 x STA16P - 95	95	25	30	42	SBT40 x STA1	STA1 - PRO-E16 - 25	1.33
5026-757-016-140	SBT40 x STA16P - 140	140	70	30	42	SBT40 x STA1	STA1 - PRO-E16 - 70	1.45
5026-757-016-220	SBT40 x STA16P - 220	220	150	30	42	SBT40 x STA1	STA1 - PRO-E16 - 150	1.66
5026-757-020-104	SBT40 x STA20P - 104	104	34	35	42	SBT40 x STA1	STA1 - PRO-E20 - 34	1.38
5026-757-020-140	SBT40 x STA20P - 140	140	70	35	42	SBT40 x STA1	STA1 - PRO-E20 - 70	1.51
5026-757-025-120	SBT40 x STA25P - 120	120	35	42	58	SBT40 x STA2	STA2 - PRO-E25 - 35	1.91
5026-757-032-125	SBT40 x STA32P - 125	125	40	50	58	SBT40 x STA2	STA2 - PRO-E32 - 40	2.00
5026-757-032-155	SBT40 x STA32P - 155	155	70	50	58	SBT40 x STA2	STA2 - PRO-E32 - 70	2.21
5027-S11-011-110	SBT50 x STA11M - 110	110	30	16	42	SBT50 x STA1	STA1 - PRO-E11M - 30	3.85
5027-757-016-105	SBT50 x STA16P - 105	105	25	30	42	SBT50 x STA1	STA1 - PRO-E16 - 25	3.83
5027-757-016-150	SBT50 x STA16P - 150	150	70	30	42	SBT50 x STA1	STA1 - PRO-E16 - 70	3.95
5027-757-016-230	SBT50 x STA16P - 230	230	150	30	42	SBT50 x STA1	STA1 - PRO-E16 - 150	4.16
5027-757-020-114	SBT50 x STA20P - 114	114	34	35	42	SBT50 x STA1	STA1 - PRO-E20 - 34	3.88
5027-757-020-150	SBT50 x STA20P - 150	150	70	35	42	SBT50 x STA1	STA1 - PRO-E20 - 70	4.01
5027-757-025-130	SBT50 x STA25P - 130	130	35	42	58	SBT50 x STA2	STA2 - PRO-E25 - 35	4.41
5027-757-032-135	SBT50 x STA32P - 135	135	40	50	58	SBT50 x STA2	STA2 - PRO-E32 - 40	4.50
5027-757-032-165	SBT50 x STA32P - 165	165	70	50	58	SBT50 x STA2	STA2 - PRO-E32 - 70	4.71

Features:

- ▶ Internal steel component allows the micro-compensation for the misfeed of spindle ballscrew and overload. Improve tapping quality and tap life. Optimum male and female threaded fitting is achieved due to the premium design!
- ▶ To prevent from interfering, the longer adapter can be custom-made.
- ▶ Coolant-through is available with coolant pressure up to 70 bar. STA has long use life even the synchronized micro-compensation mechanism is used at high coolant pressure..
- ▶ Modular design to meet more diverse demand.
- ▶ One of SYIC products patented by US invention.

Product information:

- ▶ AD+B type is available, please inform us when making an order.
- ▶ SBT30 tool holders are without coolant supply over collars.

Application:

- ▶ Ideal for everyday tapping, high speed and high production tapping for modern CNC machines capable of rigid tapping.
- ▶ Also ideal for high-end tapping applications in modern CNC machines (small taps or difficult materials resulting in high torque loads).

Standard Accessory: • NUT

Collet	Nut	Pull Stud	Spanner	Torque Wrench Adapter (Pull Stud)	Spanner (Pull Stud)	Tap Adapter For STA
P.X-19~44	P.X-61	P.X-72~73	P.X-81~84,87~88,91	P.X-85	P.X-86	P.X-111



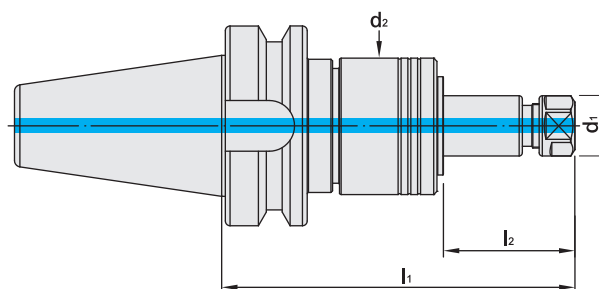
SBT / STA SYNCHRONIZED TAPPING HOLDER



SBT / STA 法蘭加厚型同步補償攻牙刀桿

[ER TYPE]

TW PAT NO. I615223
US PAT NO. 9796059
CN PAT NO. ZL201620889099.X
IT PAT NO. 202023000000993



MODEL NO.	TYPE	l ₁	l ₂	d ₁	d ₂	COMBINATION		WEIGHT (KGS)
						BODY	TAP ADAPTER	
5025-S22-011-130	SBT30 x STA11E - 130	130	70	19	42	SBT30 x STA1	STA1 - ER11A - 70	0.92
5025-S22-016-085	SBT30 x STA16E - 85	85	25	28	42	SBT30 x STA1	STA1 - ER16A - 25	0.66
5025-S22-016-130	SBT30 x STA16E - 130	130	70	28	42	SBT30 x STA1	STA1 - ER16A - 70	0.86
5025-S22-016-210	SBT30 x STA16E - 210	210	150	28	42	SBT30 x STA1	STA1 - ER16A - 150	1.19
5025-S22-020-094	SBT30 x STA20E - 94	94	34	34	42	SBT30 x STA1	STA1 - ER20A - 34	0.70
5025-S22-020-130	SBT30 x STA20E - 130	130	70	34	42	SBT30 x STA1	STA1 - ER20A - 70	0.86
5026-S22-011-140	SBT40 x STA11E - 140	140	70	19	42	SBT40 x STA1	STA1 - ER11A - 70	1.54
5026-S22-016-095	SBT40 x STA16E - 95	95	25	28	42	SBT40 x STA1	STA1 - ER16A - 25	1.28
5026-S22-016-140	SBT40 x STA16E - 140	140	70	28	42	SBT40 x STA1	STA1 - ER16A - 70	1.48
5026-S22-016-220	SBT40 x STA16E - 220	220	150	28	42	SBT40 x STA1	STA1 - ER16A - 150	1.81
5026-S22-020-104	SBT40 x STA20E - 104	104	34	34	42	SBT40 x STA1	STA1 - ER20A - 34	1.32
5026-S22-020-140	SBT40 x STA20E - 140	140	70	34	42	SBT40 x STA1	STA1 - ER20A - 70	1.48
5026-S22-032-125	SBT40 x STA32E - 125	125	40	50	58	SBT40 x STA2	STA2 - ER32 - 40	1.92
5026-S22-032-155	SBT40 x STA32E - 155	155	70	50	58	SBT40 x STA2	STA2 - ER32 - 70	2.15
5027-S22-011-150	SBT50 x STA11E - 150	150	70	19	42	SBT50 x STA1	STA1 - ER11A - 70	1.54
5027-S22-016-105	SBT50 x STA16E - 105	105	25	28	42	SBT50 x STA1	STA1 - ER16A - 25	3.78
5027-S22-016-150	SBT50 x STA16E - 150	150	70	28	42	SBT50 x STA1	STA1 - ER16A - 70	3.98
5027-S22-016-230	SBT50 x STA16E - 230	230	150	28	42	SBT50 x STA1	STA1 - ER16A - 150	4.31
5027-S22-020-114	SBT50 x STA20E - 114	114	34	34	42	SBT50 x STA1	STA1 - ER20A - 34	3.82
5027-S22-020-150	SBT50 x STA20E - 150	150	70	34	42	SBT50 x STA1	STA1 - ER20A - 70	3.98
5027-S22-032-135	SBT50 x STA32E - 135	135	40	50	58	SBT50 x STA2	STA2 - ER32 - 40	4.42
5027-S22-032-165	SBT50 x STA32E - 165	165	70	50	58	SBT50 x STA2	STA2 - ER32 - 70	4.65

Features:

- ▶ Internal steel component allows the micro-compensation for the misfeed of spindle ballscrew and overload. Improve tapping quality and tap life. Optimum male and female threaded fitting is achieved due to the premium design!
- ▶ To prevent from interfering, the longer adapter can be custom-made.
- ▶ Coolant-through is available with coolant pressure up to 70 bar. STA has long use life even the synchronized micro-compensation mechanism is used at high coolant pressure..
- ▶ Modular design to meet more diverse demand.
- ▶ One of SYIC products patented by US invention.

Product information:

- ▶ AD+B type is available, please inform us when making an order.
- ▶ SBT30 tool holders are without coolant supply over collars.

Application:

- ▶ Ideal for everyday tapping, high speed and high production tapping for modern CNC machines capable of rigid tapping.
- ▶ Also ideal for high-end tapping applications in modern CNC machines (small taps or difficult materials resulting in high torque loads).

Standard Accessory: • NUT

Collet	Nut	Pull Stud	Spanner	Torque Wrench Adapter (Pull Stud)	Spanner (Pull Stud)	Tap Adapter For STA
P.X-19~44	P.X-63,65~67	P.X-72~73	P.X-81~84,87~88,91	P.X-85	P.X-86	P.X-110



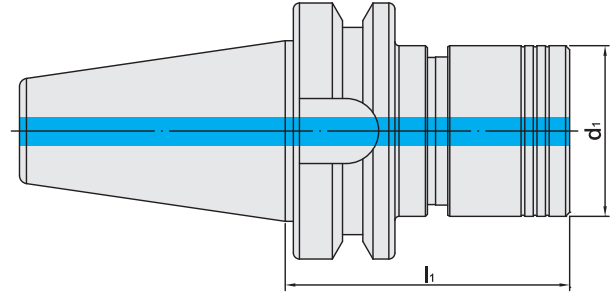
SBT / STA SYNCHRONIZED TAPPING HOLDER BODY

Dual
DRIVE+

SBT / STA 同步補償攻牙刀桿本體



TW PAT NO. I615223
US PAT NO. 9796059
CN PAT NO. ZL201620889099.X
IT PAT NO. 202023000000993



MODEL NO.	TYPE	l ₁	d ₁	STA NO.	WEIGHT (KGS)
5025-795-001-060	SBT30 x STA1 - 60	60	42	1	0.56
5026-795-001-070	SBT40 x STA1 - 70	70	42	1	1.18
5026-795-002-085	SBT40 x STA2 - 85	85	58	2	1.48
5027-795-001-080	SBT50 x STA1 - 80	80	42	1	3.68
5027-795-002-095	SBT50 x STA2 - 95	95	58	2	3.98

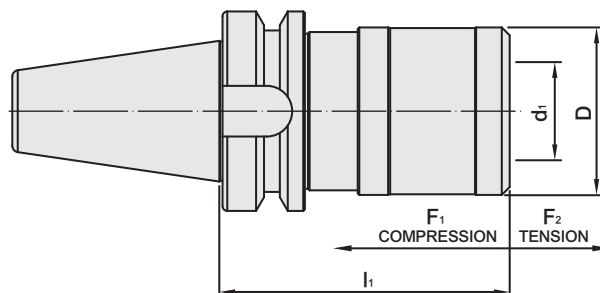
SBT / QTC QUICK CHANGE TAPPING CHUCK

With length compensation on tension and compression

SBT

Dual
DRIVE+

SBT / QTC 法蘭加厚型快換式扭力攻牙刀桿 [伸縮緩衝型]



MODEL NO.	TYPE	TAPPING COLLET	TAPPING CAPACITY	COMPENSATION		l ₁	D	d ₁	WEIGHT (KGS)
				F ₁	F ₂				
5025-580-001-085	SBT30 x QTC1 - 85	TCS - 1B	M3 - M14	7.5	7.5	85	36	19	0.86
5025-580-002-115	SBT30 x QTC2 - 115	TCS - 2B	M8 - M24	12.5	12.5	115	53	31	1.46
5026-580-001-075	SBT40 x QTC1 - 75	TCS - 1B	M3 - M14	7.5	7.5	75	36	19	1.26
5026-580-002-100	SBT40 x QTC2 - 100	TCS - 2B	M8 - M24	12.5	12.5	100	53	31	1.74
5026-580-003-160	SBT40 x QTC3 - 160	TCS - 3B	M14 - M36	20	20	160	78	48	3.63
5027-580-001-090	SBT50 x QTC1 - 90	TCS - 1B	M3 - M14	7.5	7.5	90	36	19	4.00
5027-580-002-115	SBT50 x QTC2 - 115	TCS - 2B	M8 - M24	12.5	12.5	115	53	31	4.51
5027-580-003-150	SBT50 x QTC3 - 150	TCS - 3B	M14 - M36	20	20	150	78	48	5.78

Features:

- ▶ Quick and easy tool change in seconds!
- ▶ Absorb any inaccuracies between the rotating spindle and the moving Z-axis, increasing tap life and the improving tapping quality.
- ▶ Most commonly used for old CNC machines without rigid tapping. The length compensation prevents oversized threads and helps prevent tap breakage from excessive torque or over travel when the tap hits the bottom of the hole.

Synchronized Tapping Holder:

- ▶ Ideal for everyday tapping, high speed and high production tapping for modern CNC machines capable of rigid tapping.
- ▶ Also ideal for high-end tapping applications in modern CNC machines, such as: small taps or difficult materials resulting in high torque loads.

Tapping Collet	Pull Stud	Torque Wrench Adapter (Pull Stud)	Spanner (Pull Stud)
			
P.A-58~60	P.X-72~73	P.X-81, 85	P.X-86

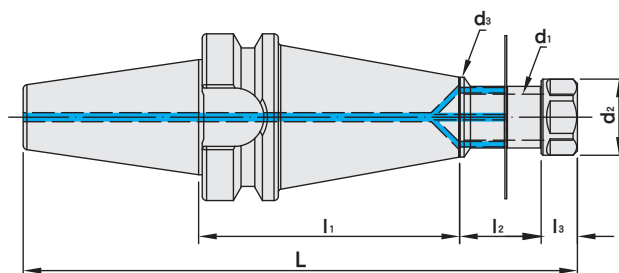


SBT / SCA-C SIDE CUTTER ADAPTER COOLANT TYPE

SBT / SCA-C 法蘭加厚型側銑刀桿 [給水型]



TW PAT NO. M560959
CN PAT NO. ZL201820326653.2



MODEL NO.	TYPE	L	l ₁	l ₂	l ₃	d ₁	d ₂	d ₃	WEIGHT (KGS)
5025-841-A32-236	SBT30 x SCA12.7C - 60	148.4	60	22	18	12.7	19.5	24	0.66
5025-841-A40-236	SBT30 x SCA15.875C - 60	148.4	60	22	18	15.875	22	26	0.71
5025-841-A56-236	SBT30 x SCA22.225C - 60	152.4	60	22	22	22.225	28	32	0.86
5025-841-A64-236	SBT30 x SCA25.4C - 60	154.4	60	22	24	25.4	33	38	1.05
5026-841-A32-295	SBT40 x SCA12.7C - 75	180.4	75	22	18	12.7	19.5	24	1.31
5026-841-A32-413	SBT40 x SCA12.7C - 105	210.4	105	22	18	12.7	19.5	24	1.62
5026-841-A40-295	SBT40 x SCA15.875C - 75	180.4	75	22	18	15.875	22	26	1.37
5026-841-A40-413	SBT40 x SCA15.875C - 105	210.4	105	22	18	15.875	22	26	1.71
5026-841-A56-295	SBT40 x SCA22.225C - 75	184.4	75	22	22	22.225	28	32	1.52
5026-841-A56-472	SBT40 x SCA22.225C - 120	229.4	120	22	22	22.225	28	32	1.99
5026-841-A64-295	SBT40 x SCA25.4C - 75	186.4	75	22	24	25.4	33	38	1.74
5026-841-A64-472	SBT40 x SCA25.4C - 120	231.4	120	22	24	25.4	33	38	2.36
5026-841-A72-295	SBT40 x SCA31.75C - 75	188.4	75	22	26	31.75	40	42	2.00
5026-841-A72-472	SBT40 x SCA31.75C - 120	233.4	120	22	26	31.75	40	42	2.73
5027-841-A32-295	SBT50 x SCA12.7C - 75	216.8	75	22	18	12.7	19.5	24	3.92
5027-841-A32-413	SBT50 x SCA12.7C - 105	246.8	105	22	18	12.7	19.5	24	4.19
5027-841-A40-295	SBT50 x SCA15.875C - 75	216.8	75	22	18	15.875	22	26	3.97
5027-841-A40-413	SBT50 x SCA15.875C - 105	246.8	105	22	18	15.875	22	26	4.27
5027-841-A56-354	SBT50 x SCA22.225C - 90	235.8	90	22	22	22.225	28	32	4.25
5027-841-A56-531	SBT50 x SCA22.225C - 135	280.8	135	22	22	22.225	28	32	4.73
5027-841-A64-354	SBT50 x SCA25.4C - 90	237.8	90	22	24	25.4	33	38	4.49
5027-841-A64-531	SBT50 x SCA25.4C - 135	282.8	135	22	24	25.4	33	38	5.11
5027-841-A72-354	SBT50 x SCA31.75C - 90	239.8	90	22	26	31.75	40	42	4.76
5027-841-A72-531	SBT50 x SCA31.75C - 135	284.8	135	22	26	31.75	40	42	5.50



Pull Stud	Torque Wrench Adapter (Pull Stud)	Spanner (Pull Stud)	Spanner
			
P.X-72~73	P.X-85	P.X-86	P.X-81,83~84,91



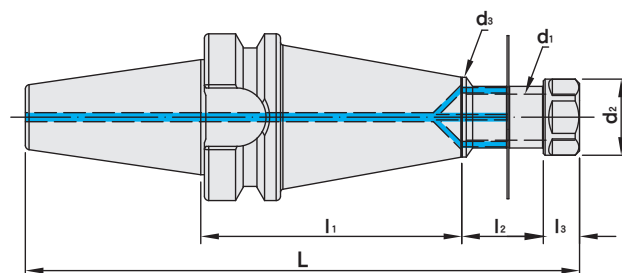
SBT / SCA-C SIDE CUTTER ADAPTER COOLANT TYPE

SBT

SBT / SCA-C 法蘭加厚型側銑刀桿 [給水型]



TW PAT NO. M560959
CN PAT NO. ZL201820326653.2



MODEL NO.	TYPE	L	l ₁	l ₂	l ₃	d ₁	d ₂	d ₃	WEIGHT (KGS)
5025-841-013-060	SBT30 x SCA13C - 60	148.4	60	22	18	13	19.5	24	0.66
5025-841-016-060	SBT30 x SCA16C - 60	148.4	60	22	18	16	22	26	0.71
5025-841-022-060	SBT30 x SCA22C - 60	152.4	60	22	22	22	28	32	0.86
5025-841-027-060	SBT30 x SCA27C - 60	154.4	60	22	24	27	33	38	1.06
5026-841-013-075	SBT40 x SCA13C - 75	180.4	75	22	18	13	19.5	24	1.31
5026-841-013-105	SBT40 x SCA13C - 105	210.4	105	22	18	13	19.5	24	1.62
5026-841-016-075	SBT40 x SCA16C - 75	180.4	75	22	18	16	22	26	1.37
5026-841-016-105	SBT40 x SCA16C - 105	210.4	105	22	18	16	22	26	1.71
5026-841-022-075	SBT40 x SCA22C - 75	184.4	75	22	22	22	28	32	1.52
5026-841-022-120	SBT40 x SCA22C - 120	229.4	120	22	22	22	28	32	1.98
5026-841-027-075	SBT40 x SCA27C - 75	186.4	75	22	24	27	33	38	1.75
5026-841-027-120	SBT40 x SCA27C - 120	231.4	120	22	24	27	33	38	2.36
5026-841-032-075	SBT40 x SCA32C - 75	188.4	75	22	26	32	40	42	2.00
5026-841-032-120	SBT40 x SCA32C - 120	233.4	120	22	26	32	40	42	2.73
5027-841-013-075	SBT50 x SCA13C - 75	216.8	75	22	18	13	19.5	24	3.92
5027-841-013-105	SBT50 x SCA13C - 105	246.8	105	22	18	13	19.5	24	4.19
5027-841-016-075	SBT50 x SCA16C - 75	216.8	75	22	18	16	22	26	3.97
5027-841-016-105	SBT50 x SCA16C - 105	246.8	105	22	18	16	22	26	4.27
5027-841-022-090	SBT50 x SCA22C - 90	235.8	90	22	22	22	28	32	4.25
5027-841-022-135	SBT50 x SCA22C - 135	280.8	135	22	22	22	28	32	4.73
5027-841-027-090	SBT50 x SCA27C - 90	237.8	90	22	24	27	33	38	4.49
5027-841-027-135	SBT50 x SCA27C - 135	282.8	135	22	24	27	33	38	5.12
5027-841-032-090	SBT50 x SCA32C - 90	239.8	90	22	26	32	40	42	4.76
5027-841-032-135	SBT50 x SCA32C - 135	284.8	135	22	26	32	40	42	5.50



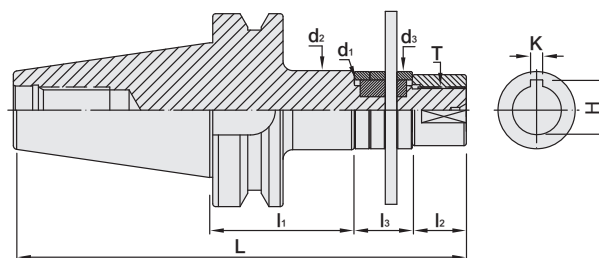
Pull Stud	Torque Wrench Adapter (Pull Stud)	Spanner (Pull Stud)	Spanner
			
P.X-72~73	P.X-85	P.X-86	P.X-81,83~84,91



SBT / SCA SIDE CUTTER ADAPTER

Dual
DRIVE+

SBT / SCA 法蘭加厚型側銑刀桿



MODEL NO.	TYPE	L	l ₁	l ₂	l ₃	d ₁	d ₂	d ₃	K	H	T	WEIGHT (KGS)
5025-649-010-060	SBT30 x SCA10 - 60	155.4	60	12	35	10	18	18	-	-	M8 x 1.25P	0.80
5025-649-016-060	SBT30 x SCA16 - 60	154.4	60	16	30	16	26	26	4	17.7	M14 x 1.5P	1.00
5025-649-022-060	SBT30 x SCA22 - 60	160.4	60	22	30	22	34	34	6	24.3	M20 x 1.5P	1.20
5025-649-022-075	SBT30 x SCA22 - 75	175.4	75	22	30	22	34	34	6	24.3	M20 x 1.5P	1.40
5026-649-016-060	SBT40 x SCA16 - 60	171.4	60	16	30	16	26	26	4	17.7	M14 x 1.5P	1.50
5026-649-022-060	SBT40 x SCA22 - 60	177.4	60	22	30	22	34	34	6	24.3	M20 x 1.5P	1.60
5026-649-022-075	SBT40 x SCA22 - 75	192.4	75	22	30	22	34	34	6	24.3	M20 x 1.5P	1.70
5026-649-022-120	SBT40 x SCA22 - 120	237.4	120	22	30	22	34	34	6	24.3	M20 x 1.5P	2.00
5026-649-027-075	SBT40 x SCA27 - 75	198.4	75	28	30	27	41	40	7	30	M24 x 1.5P	2.10
5026-649-027-120	SBT40 x SCA27 - 120	243.4	120	28	30	27	41	40	7	30	M24 x 1.5P	2.50
5026-649-032-090	SBT40 x SCA32 - 90	217.4	90	32	30	32	47	46	8	35.5	M30 x 1.5P	2.60
5027-649-022-090	SBT50 x SCA22 - 90	243.8	90	22	30	22	34	34	6	24.3	M20 x 1.5P	4.40
5027-649-022-135	SBT50 x SCA22 - 135	288.8	135	22	30	22	34	34	6	24.3	M20 x 1.5P	4.70
5027-649-027-090	SBT50 x SCA27 - 90	249.8	90	28	30	27	41	40	7	30	M24 x 1.5P	4.60
5027-649-027-135	SBT50 x SCA27 - 135	294.8	135	28	30	27	41	40	7	30	M24 x 1.5P	5.00
5027-649-032-090	SBT50 x SCA32 - 90	253.8	90	32	30	32	47	46	8	35.5	M30 x 1.5P	4.70
5027-649-032-135	SBT50 x SCA32 - 135	298.8	135	32	30	32	47	46	8	35.5	M30 x 1.5P	5.20
5027-649-040-090	SBT50 x SCA40 - 90	261.8	90	40	30	40	55	55	10	43.7	M36 x 2.0P	5.00
5027-649-040-135	SBT50 x SCA40 - 135	306.8	135	40	30	40	55	55	10	43.7	M36 x 2.0P	6.00

Features:

- ▶ Used with side milling cutter.
- ▶ Attached with a nut (DIN-2082-1) and bushes (DIN-2084-B).

Product information:

- ▶ Nut standard: DIN-2082-1.
- ▶ Bush standard: DIN-2084-B.

Pull Stud	Torque Wrench Adapter (Pull Stud)	Spanner (Pull Stud)
		
P.X-72~73	P.X-81, 85	P.X-86

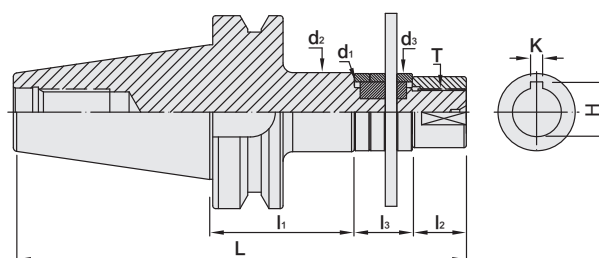


SBT / SCA SIDE CUTTER ADAPTER

SBT

Dual
DRIVE+

SBT / SCA 法蘭加厚型側銑刀桿



MODEL NO.	TYPE	L	l ₁	l ₂	l ₃	d ₁	d ₂	d ₃	K	H	T	WEIGHT (KGS)
5026-649-A56-295	SBT40 x SCA22.22 - 75	192.4	75	22	30	22.22	34	34	3.18	24.6	M20 x 1.5P	1.70
5026-649-A56-472	SBT40 x SCA22.22 - 120	237.4	120	22	30	22.22	34	34	3.18	24.6	M20 x 1.5P	2.00
5026-649-A64-295	SBT40 x SCA25.4 - 75	198.4	75	28	30	25.4	41	40	6.35	28.4	M24 x 1.5P	2.00
5026-649-A64-472	SBT40 x SCA25.4 - 120	243.4	120	28	30	25.4	41	40	6.35	28.4	M24 x 1.5P	2.40
5026-649-A72-354	SBT40 x SCA31.75 - 90	217.4	90	32	30	31.75	47	46	7.93	34.8	M30 x 1.5P	2.60
5027-649-A56-354	SBT50 x SCA22.22 - 90	243.8	90	22	30	22.22	34	34	3.18	24.6	M20 x 1.5P	4.40
5027-649-A56-531	SBT50 x SCA22.22 - 135	288.8	135	22	30	22.22	34	34	3.18	24.6	M20 x 1.5P	4.70
5027-649-A64-354	SBT50 x SCA25.4 - 90	249.8	90	28	30	25.4	41	40	6.35	28.4	M24 x 1.5P	4.50
5027-649-A64-531	SBT50 x SCA25.4 - 135	294.8	135	28	30	25.4	41	40	6.35	28.4	M24 x 1.5P	4.90
5027-649-A72-354	SBT50 x SCA31.75 - 90	253.8	90	32	30	31.75	47	46	7.93	34.8	M30 x 1.5P	4.70
5027-649-A72-531	SBT50 x SCA31.75 - 135	298.8	135	32	30	31.75	47	46	7.93	34.8	M30 x 1.5P	5.20
5027-649-A80-354	SBT50 x SCA38.1 - 90	261.8	90	40	30	38.1	55	55	9.525	42.4	M36 x 2.0P	4.90
5027-649-A80-531	SBT50 x SCA38.1 - 135	306.8	135	40	30	38.1	55	55	9.525	42.4	M36 x 2.0P	5.90

Features:

- Used with side milling cutter.
- Attached with a nut (DIN-2082-1) and bushes (DIN-2084-B).

Product information:

- Nut standard: DIN-2082-1.
- Bush standard: DIN-2084-B.

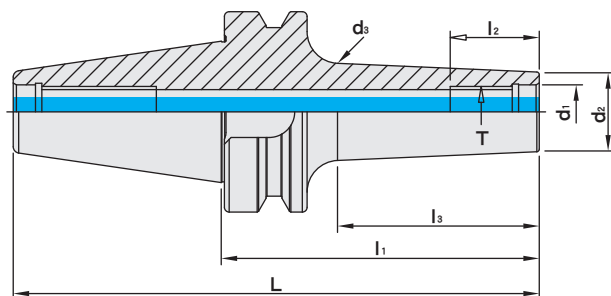
Pull Stud	Torque Wrench Adapter (Pull Stud)	Spanner (Pull Stud)
		
P.X-72~73	P.X-81, 85	P.X-86



SBT / SOM SCREWED END MILL HOLDER

Dual
DRIVE+

SBT / SOM 法蘭加厚型螺紋鎖固式刀桿



MODEL NO.	TYPE	L	l ₁	l ₂	l ₃	d ₁	d ₂	d ₃	T	WEIGHT (KGS)
5026-670-006-100	SBT40 x SOM6 - 100	165.4	100	25	63.4	6.5	13	18.5	M6 x 1.0P	1.06
5026-670-008-100	SBT40 x SOM8 - 100	165.4	100	25	63.4	8.5	15	20.5	M8 x 1.25P	1.09
5026-670-010-100	SBT40 x SOM10 - 100	165.4	100	25	63.4	10.5	19	24.5	M10 x 1.5P	1.16
5026-670-012-100	SBT40 x SOM12 - 100	165.4	100	31	43.2	12.5	21	24.7	M12 x 1.75P	1.17
5026-670-016-100	SBT40 x SOM16 - 100	165.4	100	30	63.4	17	25	30.5	M16 x 2.0P	1.22
5026-670-016-125	SBT40 x SOM16 - 125	190.4	125	30	88.4	17	25	32.7	M16 x 2.0P	1.35
5027-670-012-100	SBT50 x SOM12 - 100	201.8	100	31	52.4	12.5	21	25.6	M12 x 1.75P	3.69
5027-670-012-125	SBT50 x SOM12 - 125	226.8	125	31	77.4	12.5	21	27.8	M12 x 1.75P	3.79
5027-670-012-150	SBT50 x SOM12 - 150	251.8	150	31	97.7	12.5	21	29.5	M12 x 1.75P	3.92
5027-670-012-200	SBT50 x SOM12 - 200	301.8	200	31	147.7	12.5	21	33.9	M12 x 1.75P	4.22
5027-670-016-100	SBT50 x SOM16 - 100	201.8	100	30	52.5	17	25	29.6	M16 x 2.0P	3.73
5027-670-016-125	SBT50 x SOM16 - 125	226.8	125	30	77.5	17	25	31.8	M16 x 2.0P	3.86
5027-670-016-150	SBT50 x SOM16 - 150	251.8	150	30	102.4	17	25	33.9	M16 x 2.0P	4.01
5027-670-016-200	SBT50 x SOM16 - 200	301.8	200	30	147.7	17	25	37.9	M16 x 2.0P	4.37

Features:

- Used with Screwed cutting tools

Product information:

- AD+B type is available, please inform us when making an order.

Pull Stud	Torque Wrench Adapter (Pull Stud)	Spanner (Pull Stud)
		
P.X-72~73	P.X-81, 85	P.X-86



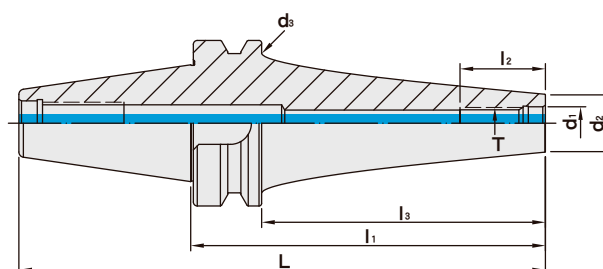
SBT / SOM SCREWED END MILL HOLDER

CUL TYPE

SBT



SBT / SOM 法蘭加厚型螺紋鎖固式刀桿 [CUL 型]



MODEL NO.	TYPE	L	l ₁	l ₂	l ₃	d ₁	d ₂	d ₃	T	WEIGHT (KGS)
5026-670-006-135	SBT40 x SOM6 - 135CUL	200.4	135	25	108	6.5	13	53	M6 x 1.0P	1.52
5026-670-006-150	SBT40 x SOM6 - 150CUL	215.4	150	25	123	6.5	13	53	M6 x 1.0P	1.57
5026-670-006-200	SBT40 x SOM6 - 200CUL	265.4	200	25	173	6.5	13	53	M6 x 1.0P	1.73
5026-670-008-135	SBT40 x SOM8 - 135CUL	200.4	135	25	108	8.5	15	53	M8 x 1.25P	1.54
5026-670-008-150	SBT40 x SOM8 - 150CUL	215.4	150	25	123	8.5	15	53	M8 x 1.25P	1.61
5026-670-008-200	SBT40 x SOM8 - 200CUL	265.4	200	25	173	8.5	15	53	M8 x 1.25P	1.77
5026-670-010-135	SBT40 x SOM10 - 135CUL	200.4	135	25	108	10.5	19	53	M10 x 1.5P	1.61
5026-670-010-150	SBT40 x SOM10 - 150CUL	215.4	150	25	123	10.5	19	53	M10 x 1.5P	1.68
5026-670-010-200	SBT40 x SOM10 - 200CUL	265.4	200	25	173	10.5	19	53	M10 x 1.5P	1.87
5026-670-012-135	SBT40 x SOM12 - 135CUL	200.4	135	31	108	12.5	21	53	M12 x 1.75P	1.64
5026-670-012-150	SBT40 x SOM12 - 150CUL	215.4	150	31	123	12.5	21	53	M12 x 1.75P	1.71
5026-670-012-200	SBT40 x SOM12 - 200CUL	265.4	200	31	173	12.5	21	53	M12 x 1.75P	1.91
5026-670-016-135	SBT40 x SOM16 - 135CUL	200.4	135	30	108	17	25	53	M16 x 2.0P	1.64
5026-670-016-150	SBT40 x SOM16 - 150CUL	215.4	150	30	123	17	25	53	M16 x 2.0P	1.71
5026-670-016-200	SBT40 x SOM16 - 200CUL	265.4	200	30	173	17	25	53	M16 x 2.0P	1.90
5027-670-006-135	SBT50 x SOM6 - 135CUL	236.8	135	25	97	6.5	13	85	M6 x 1.0P	4.84
5027-670-006-150	SBT50 x SOM6 - 150CUL	251.8	150	25	112	6.5	13	85	M6 x 1.0P	5.03
5027-670-006-200	SBT50 x SOM6 - 200CUL	301.8	200	25	162	6.5	13	85	M6 x 1.0P	5.57
5027-670-008-135	SBT50 x SOM8 - 135CUL	236.8	135	25	97	8.5	15	85	M8 x 1.25P	4.89
5027-670-008-150	SBT50 x SOM8 - 150CUL	251.8	150	25	112	8.5	15	85	M8 x 1.25P	5.08
5027-670-008-200	SBT50 x SOM8 - 200CUL	301.8	200	25	162	8.5	15	85	M8 x 1.25P	5.65
5027-670-010-135	SBT50 x SOM10 - 135CUL	236.8	135	25	97	10.5	19	85	M10 x 1.5P	4.96
5027-670-010-150	SBT50 x SOM10 - 150CUL	251.8	150	25	112	10.5	19	85	M10 x 1.5P	5.16
5027-670-010-200	SBT50 x SOM10 - 200CUL	301.8	200	25	162	10.5	19	85	M10 x 1.5P	5.77
5027-670-012-135	SBT50 x SOM12 - 135CUL	236.8	135	31	97	12.5	21	85	M12 x 1.75P	4.99
5027-670-012-150	SBT50 x SOM12 - 150CUL	251.8	150	31	112	12.5	21	85	M12 x 1.75P	5.19
5027-670-012-200	SBT50 x SOM12 - 200CUL	301.8	200	31	162	12.5	21	85	M12 x 1.75P	5.80
5027-670-016-135	SBT50 x SOM16 - 135CUL	236.8	135	30	97	17	25	85	M16 x 2.0P	5.04
5027-670-016-150	SBT50 x SOM16 - 150CUL	251.8	150	30	112	17	25	85	M16 x 2.0P	5.25
5027-670-016-200	SBT50 x SOM16 - 200CUL	301.8	200	30	162	17	25	85	M16 x 2.0P	5.87

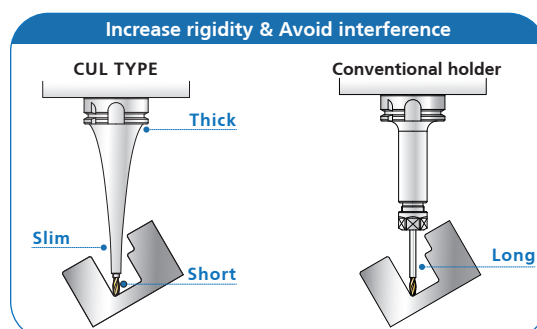
Features:

- ▶ Used with Screwed cutting tools.
- ▶ The SOM type is designed with CUL Curved Line, making it highly suitable for 5 axis machining scenarios by preventing interference while ensuring strength.

Product information:

- ▶ AD+B type is available, please inform us when making an order.

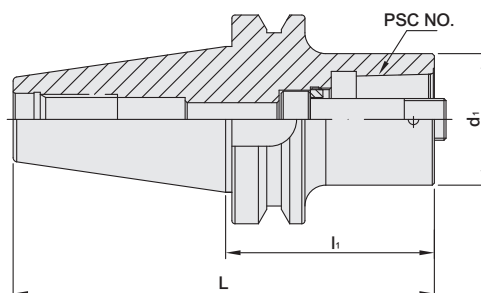
Pull Stud	Torque Wrench Adapter (Pull Stud)	Spanner (Pull Stud)
P.X-72~73	P.X-81, 85	P.X-86



SBT ADAPTER

Dual
DRIVE+

SBT 法蘭加厚型套筒



MODEL NO.	TYPE	NO.	L	l ₁	d ₁	T	MAX. TORQUE		WEIGHT (KGS)
							Nm	ft-lbs	
5025-013-140-080	SBT30 x PSC32 - 80	PSC32	128.4	80	32	M12 x 1.5P	45	33	0.60
5026-013-140-030	SBT40 x PSC32 - 30	PSC32	95.4	30	32	M12 x 1.5P	45	33	1.70
5026-013-140-080	SBT40 x PSC32 - 80	PSC32	145.4	80	32	M12 x 1.5P	45	33	1.20
5026-013-141-030	SBT40 x PSC40 - 30	PSC40	95.4	30	40	M14 x 1.5P	55	40	1.70
5026-013-141-100	SBT40 x PSC40 - 100	PSC40	165.4	100	40	M14 x 1.5P	55	40	1.41
5026-013-142-030	SBT40 x PSC50 - 30	PSC50	95.4	30	50	M16 x 1.5P	95	70	1.70
5026-013-142-100	SBT40 x PSC50 - 100	PSC50	165.4	100	50	M16 x 1.5P	95	70	1.72
5026-013-143-075	SBT40 x PSC63 - 75	PSC63	140.4	75	63	M20 x 2.0P	170	125	1.90
5026-013-144-135	SBT40 x PSC80 - 135	PSC80	200.4	135	80	M20 x 2.0P	170	125	3.78
5027-013-140-040	SBT50 x PSC32 - 40	PSC32	141.8	40	32	M12 x 1.5P	45	33	4.80
5027-013-140-150	SBT50 x PSC32 - 150	PSC32	251.8	150	32	M12 x 1.5P	45	33	4.10
5027-013-141-040	SBT50 x PSC40 - 40	PSC40	141.8	40	40	M14 x 1.5P	55	40	4.80
5027-013-141-135	SBT50 x PSC40 - 135	PSC40	236.8	135	40	M14 x 1.5P	55	40	4.20
5027-013-141-160	SBT50 x PSC40 - 160	PSC40	261.8	160	40	M14 x 1.5P	55	40	4.40
5027-013-141-200	SBT50 x PSC40 - 200	PSC40	301.8	200	40	M14 x 1.5P	55	40	4.80
5027-013-142-040	SBT50 x PSC50 - 40	PSC50	141.8	40	50	M16 x 1.5P	95	70	4.80
5027-013-142-135	SBT50 x PSC50 - 135	PSC50	236.8	135	50	M16 x 1.5P	95	70	4.60
5027-013-142-240	SBT50 x PSC50 - 240	PSC50	341.8	240	50	M16 x 1.5P	95	70	6.10
5027-013-143-100	SBT50 x PSC63 - 100	PSC63	201.8	100	63	M20 x 2.0P	170	125	4.68
5027-013-143-150	SBT50 x PSC63 - 150	PSC63	251.8	150	63	M20 x 2.0P	170	125	5.75
5027-013-143-200	SBT50 x PSC63 - 200	PSC63	301.8	200	63	M20 x 2.0P	170	125	6.81
5027-013-143-250	SBT50 x PSC63 - 250	PSC63	351.8	250	63	M20 x 2.0P	170	125	7.88
5027-013-143-300	SBT50 x PSC63 - 300	PSC63	401.8	300	63	M20 x 2.0P	170	125	8.73
5027-013-144-070	SBT50 x PSC80 - 70	PSC80	171.8	70	80	M20 x 2.0P	170	125	3.91
5027-013-144-093	SBT50 x PSC80 - 93	PSC80	194.8	93	80	M20 x 2.0P	170	125	4.73
5027-013-144-120	SBT50 x PSC80 - 120	PSC80	221.8	120	80	M20 x 2.0P	170	125	5.71
5027-013-144-183	SBT50 x PSC80 - 183	PSC80	284.8	183	80	M20 x 2.0P	170	125	7.98
5027-013-144-243	SBT50 x PSC80 - 243	PSC80	344.8	243	80	M20 x 2.0P	170	125	10.14

Features:

- Convert the machine taper for use with different taper types or taper sizes of tool holders, or offer great flexibility by extending the tooling length.

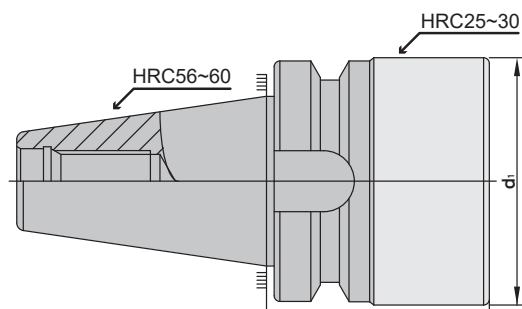
Pull Stud	Torque Wrench Adapter (Pull Stud)	Spanner (Pull Stud)
		
P.X-72~73	P.X-81, 85	P.X-86



SBT BLANK

Dual
DRIVE+

SBT 法蘭加厚型素材



MODEL NO.	TYPE	l_1	d_1	WEIGHT (KGS)
5025-001-048-076	SBT30 x Ø48 - 3"	76.2	48	1.12
5025-001-048-102	SBT30 x Ø48 - 4"	101.6	48	1.48
5025-001-048-127	SBT30 x Ø48 - 5"	127	48	1.83
5027-001-050-360	SBT50 x Ø50-360	360	50	8.64

Features:

- Blanks can be machined according to customer demands. It is not recommended to do heat treatment after machining.

Pull Stud	Torque Wrench Adapter (Pull Stud)	Spanner (Pull Stud)
		
P.X-72~73	P.X-81, 85	P.X-86



MEMO

