

SHRINK FIT CATEGORY

ShrinkSTATION HEATING MACHINE	Q- 2
BT / SFC SHRINK FIT CHUCK	Q-5~9
BT / SFCT SHRINK FIT CHUCK	Q-10~16
CAT / SFC SHRINK FIT CHUCK	Q-17~20
DAT / SFC SHRINK FIT CHUCK	Q-21~25
SBT / SFC SHRINK FIT CHUCK	Q-26~30
SBT / SFCT SHRINK FIT CHUCK	Q-31~32
SBT / SFC SHRINK FIT CHUCK [CUL TYPE]	Q-33~34
SCAT / SFC SHRINK FIT CHUCK	Q-35~38
SCAT / SFC SHRINK FIT CHUCK [CUL TYPE]	Q-39~40
SDAT / SFC SHRINK FIT CHUCK	Q-41~44
SDAT / SFC SHRINK FIT CHUCK [CUL TYPE]	Q-45
HSK-A / SFC SHRINK FIT CHUCK	Q-46~54
HSK-A / SFCT SHRINK FIT CHUCK	Q-55~56
HSK-A / SFC SHRINK FIT CHUCK [CUL TYPE]	Q-57~58
HSK-E / SFC SHRINK FIT CHUCK	Q-59~64
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HSK-E / MFC SHRINK FIT CHUCK	Q-70
HSK-F / SFC SHRINK FIT CHUCK	Q-71~73
HSK-F / SFCT SHRINK FIT CHUCK	Q-74
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PSC / SFC SHRINK FIT CHUCK	Q-76~78
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ISO / SFC SHRINK FIT CHUCK	Q-80~81
BT / SFC SHRINK FIT CHUCK [COOLANT HOLE]	Q-82~83
BT / SFCT SHRINK FIT CHUCK [COOLANT HOLE]	Q-84~85
CAT / SFC SHRINK FIT CHUCK [COOLANT HOLE]	Q-86~89
DAT / SFC SHRINK FIT CHUCK [COOLANT HOLE]	Q-90~94
SBT / SFC SHRINK FIT CHUCK [COOLANT HOLE]	Q-95~99
SBT / SFCT SHRINK FIT CHUCK [COOLANT HOLE]	Q-100~101
SCAT / SFC SHRINK FIT CHUCK [COOLANT HOLE]	Q-102~105
SDAT / SFC SHRINK FIT CHUCK [COOLANT HOLE]	Q-106~109
HSK-A / SFC SHRINK FIT CHUCK [COOLANT HOLE]	Q-110~113
PSC / SFC SHRINK FIT CHUCK [COOLANT HOLE]	Q-114~115
SFS SLIM-FIT COLLET CHUCK	Q-116~119
SFS / MFS SLIM-FIT SHRINK EXTENSION	Q-120~123
SLF SLIM-FIT SHRINK FIT COLLET CHUCK	Q-124~125
SFC SHRINK FIT CHUCK	Q-126~128
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OPERATION INSTRUCTIONS OF SFC SHRINK FIT CHUCK	Q-131

ShrinkSTATION HEATING MACHINE

ShrinkSTATION 加熱器



MODEL NO.	POWER	MAX. POWER	FUSE	SIZE (CM)	SUITABLE CUTTER MATERIAL	DIAMETER RANGE OF CUTTER	WEIGHT (KGS)
408-001-001-000	3 phase, 480V~208V, 60Hz	13000W	16A	43x34x55	Solid carbide	Ø3 ~ Ø32mm	31.5

Features:

- ▶ Tools: Solid carbide Ø 3~32mm
- ▶ Change tools in 15~25 Secs (shank dia. 3~20mm)
- ▶ Automatic 90 PSI air cooling and tool holder movement.
- ▶ Touch screen for easy operation.
- ▶ Applicable for extended tools up to 500mm gauge length by transport adapter.
- ▶ Workable for various shrink fit holders: #30, 40, 50 tapers, HSK40,50,63, and PSC40,50 and 63. HSK100 can be heated without using adapters.

Accessories Included with Machine

DESCRIPTION	QTY.
induction stop ring (3-5mm)	1
induction stop ring (6-12mm)	1
induction stop ring (14-20mm)	1
induction stop ring (25-32mm)	1
toolholder adapter - 30 taper	1
toolholder adapter - 40 taper	1
toolholder adapter - 50 taper	1
toolholder adapter - HSK40 & PSC40	1
toolholder adapter - HSK50 & PSC50	1
toolholder adapter - HSK63	1
toolholder adapter - PSC63	1
thermal insulated glove	1

SHRINK FIT CHUCK SERIES

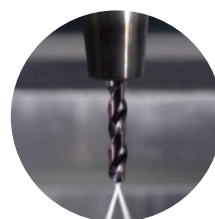
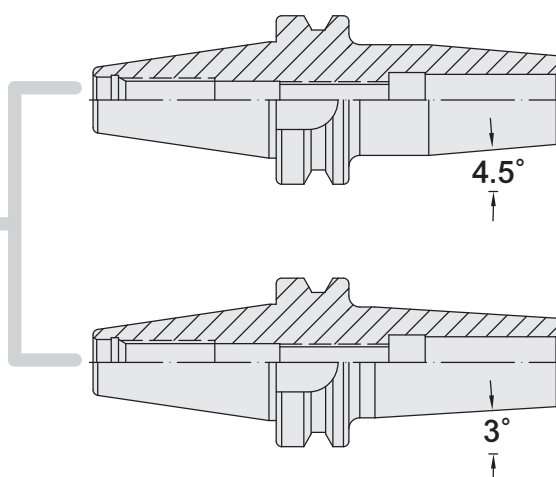


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Standard



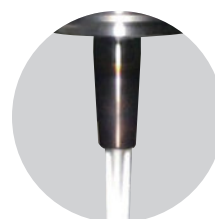
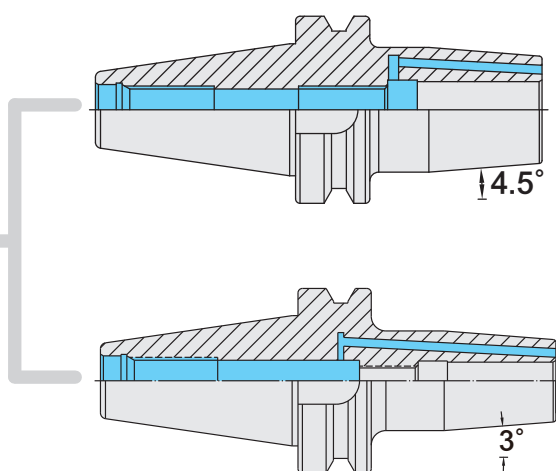
[w/o coolant hole]



CP Type

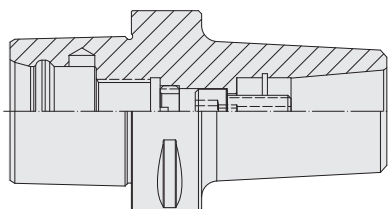


[with coolant hole]

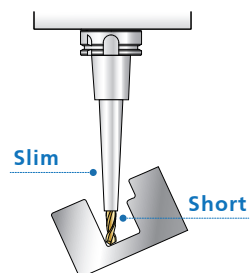


SHRINK FIT CHUCK SERIES

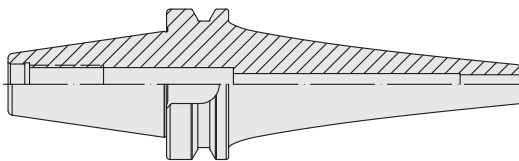
SFS Type



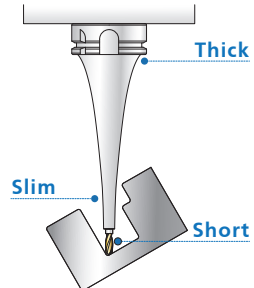
SFS Slim-fit collet chuck



CUL Type



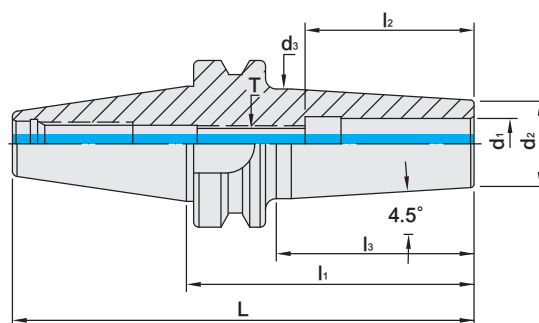
CURVE LINE



BT / SFC SHRINK FIT CHUCK



BT / SFC 熱膨脹刀桿



MODEL NO.	TYPE	L	l ₁	l ₂	l ₃	d ₁	d ₂	d ₃	T	TORQUE N·m min	WEIGHT (KGS)
5010-651-003-060	BT30 x SFC3 - 60	108.4	60	18	33	3	10	15.2	M6	18	0.43
5010-651-003-080	BT30 x SFC3 - 80	128.4	80	18	53	3	10	17.6	M6	18	0.53
5010-651-004-060	BT30 x SFC4 - 60	108.4	60	20	33	4	10	15.2	M6	18	0.55
5010-651-004-080	BT30 x SFC4 - 80	128.4	80	20	53	4	10	17.6	M6	18	0.62
5010-651-005-060	BT30 x SFC5 - 60	108.4	60	20	33	5	10	15.2	M6	18	0.67
5010-651-005-080	BT30 x SFC5 - 80	128.4	80	20	53	5	10	17.6	M6	18	0.61
5010-651-006-060	BT30 x SFC6 - 60	108.4	60	36	33	6	23	28.2	M5	18	0.70
5010-651-006-080	BT30 x SFC6 - 80	128.4	80	36	53	6	21	27	M5	18	0.86
5010-651-008-060	BT30 x SFC8 - 60	108.4	60	36	33	8	23	28.2	M6	35	0.52
5010-651-008-080	BT30 x SFC8 - 80	128.4	80	36	53	8	21	27	M6	35	0.58
5010-651-010-060	BT30 x SFC10 - 60	108.4	60	42	35	10	27	32.5	M8	65	0.52
5010-651-010-080	BT30 x SFC10 - 80	128.4	80	42	53	10	24	32	M8	65	0.64
5010-651-012-060	BT30 x SFC12 - 60	108.4	60	47	36	12	27	32.6	M10	110	0.52
5010-651-012-080	BT30 x SFC12 - 80	128.4	80	47	53	12	24	32	M10	110	0.62
5010-651-014-065	BT30 x SFC14 - 65	113.4	65	47	41	14	30	36.4	M10	150	0.57
5010-651-014-080	BT30 x SFC14 - 80	128.4	80	47	55	14	27	34	M10	150	0.69
5010-651-016-065	BT30 x SFC16 - 65	113.4	65	50	41	16	30	36.4	M12	200	0.55
5010-651-016-080	BT30 x SFC16 - 80	128.4	80	50	55	16	27	34	M12	200	0.65
5010-651-018-070	BT30 x SFC18 - 70	118.4	70	50	46	18	35.5	40.5	M12	250	0.72
5010-651-018-090	BT30 x SFC18 - 90	138.4	90	50	66	18	33	40.5	M12	250	0.87
5010-651-020-070	BT30 x SFC20 - 70	118.4	70	52	46	20	35.5	40.5	M16	320	0.70
5010-651-020-090	BT30 x SFC20 - 90	138.4	90	52	66	20	33	40.5	M16	320	0.81

Features:

- ▶ Use thermal expansion to clamp tools. High rigidity and can reach high revolution. Runout is within 5μm.
- ▶ Use with shrink fit machine.
- ▶ 4.5° design allows bigger diameter which has better rigidity. Suitable for general machining.

Product information:

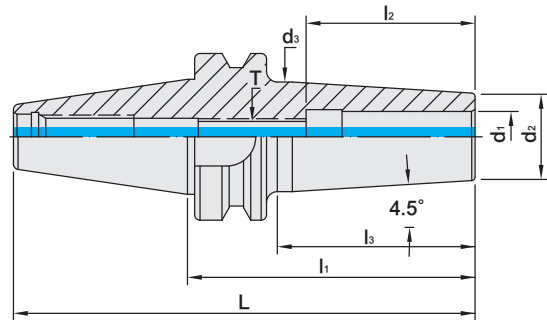
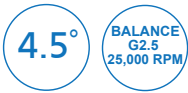
- ▶ We accept special order of the design with 6 threaded holes for balance (w/o balancing screws).
- ▶ Higher balancing grade and revolution can be done upon request but additional charge is needed.
- ▶ For tool shank with h6 tolerance, such as Form HA to DIN6535 and Form A to DIN 1835-1, except that the internal hole of Shrink Fit Chuck is less than 6mm.
- ▶ MAS/BT30 tool holders are without coolant supply over collars.

Pull Stud	Torque Wrench Adapter (Pull Stud)	Spanner (Pull Stud)	Preset Screw
P.X-64~65	P.X-73、77	P.X-78	P.X-111



BT / SFC SHRINK FIT CHUCK

BT / SFC 熱膨脹刀桿



MODEL NO.	TYPE	L	l ₁	l ₂	l ₃	d ₁	d ₂	d ₃	T	TORQUE N·m min	WEIGHT (KGS)
5011-651-003-090	BT40 x SFC3 - 90	155.4	90	18	53.8	3	10	18.4	M6	18	1.07
5011-651-004-090	BT40 x SFC4 - 90	155.4	90	20	53.8	4	10	18.4	M6	18	1.07
5011-651-005-090	BT40 x SFC5 - 90	155.4	90	20	53.8	5	10	18.4	M6	18	1.07
5011-651-006-090	BT40 x SFC6 - 90	155.4	90	36	53	6	21	27	M5	18	1.23
5011-651-006-130	BT40 x SFC6 - 130	195.4	130	36	93	6	21	27	M5	18	1.41
5011-651-006-160	BT40 x SFC6 - 160	225.4	160	36	123	6	21	27	M5	18	1.54
5011-651-006-200	BT40 x SFC6 - 200	265.4	200	36	163	6	21	27	M5	18	1.72
5011-651-008-090	BT40 x SFC8 - 90	155.4	90	36	53	8	21	27	M6	35	1.23
5011-651-008-130	BT40 x SFC8 - 130	195.4	130	36	93	8	21	27	M6	35	1.41
5011-651-008-160	BT40 x SFC8 - 160	225.4	160	36	123	8	21	27	M6	35	1.54
5011-651-008-200	BT40 x SFC8 - 200	265.4	200	36	163	8	21	27	M6	35	1.72
5011-651-010-090	BT40 x SFC10 - 90	155.4	90	42	58	10	24	32	M8	65	1.48
5011-651-010-130	BT40 x SFC10 - 130	195.4	130	42	93	10	24	32	M8	65	1.66
5011-651-010-160	BT40 x SFC10 - 160	225.4	160	42	123	10	24	32	M8	65	1.79
5011-651-010-200	BT40 x SFC10 - 200	265.4	200	42	163	10	24	32	M8	65	1.97
5011-651-012-090	BT40 x SFC12 - 90	155.4	90	47	58	12	24	32	M10	110	1.68
5011-651-012-130	BT40 x SFC12 - 130	195.4	130	47	93	12	24	32	M10	110	1.86
5011-651-012-160	BT40 x SFC12 - 160	225.4	160	47	123	12	24	32	M10	110	1.99
5011-651-012-200	BT40 x SFC12 - 200	265.4	200	47	163	12	24	32	M10	110	2.17
5011-651-014-090	BT40 x SFC14 - 90	155.4	90	47	53	14	27	34	M10	150	1.76
5011-651-014-130	BT40 x SFC14 - 130	195.4	130	47	93	14	27	34	M10	150	1.94
5011-651-014-160	BT40 x SFC14 - 160	225.4	160	47	123	14	27	34	M10	150	2.07
5011-651-014-200	BT40 x SFC14 - 200	265.4	200	47	163	14	27	34	M10	150	2.25

Features:

- ▶ Use thermal expansion to clamp tools. High rigidity and can reach high revolution. Runout is within 5μm.
- ▶ Use with shrink fit machine.
- ▶ 4.5° design allows bigger diameter which has better rigidity. Suitable for general machining.

Product information:

- ▶ We accept special order of the design with 6 threaded holes for balance (w/o balancing screws).
- ▶ Higher balancing grade and revolution can be done upon request but additional charge is needed.
- ▶ For tool shank with h6 tolerance, such as Form HA to DIN6535 and Form A to DIN 1835-1, except that the internal hole of Shrink Fit Chuck is less than 6mm.
- ▶ AD+B type is available, please inform us when making an order.

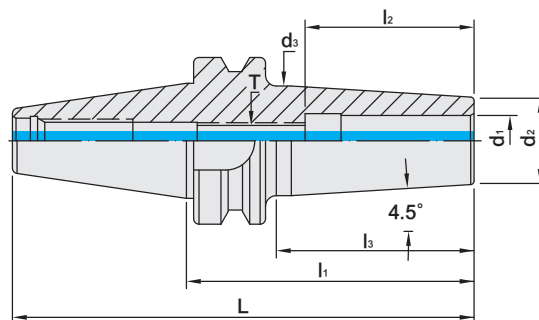
Pull Stud	Torque Wrench Adapter (Pull Stud)	Spanner (Pull Stud)	Preset Screw
P.X-64~65	P.X-73、77	P.X-78	P.X-111



BT / SFC SHRINK FIT CHUCK



BT / SFC 熱膨脹刀桿



MODEL NO.	TYPE	L	l ₁	l ₂	l ₃	d ₁	d ₂	d ₃	T	TORQUE N·m min	WEIGHT (KGS)
5011-651-016-090	BT40 x SFC 16 - 90	155.4	90	50	58	16	27	34	M12	200	1.57
5011-651-016-130	BT40 x SFC 16 - 130	195.4	130	50	93	16	27	34	M12	200	1.75
5011-651-016-160	BT40 x SFC 16 - 160	225.4	160	50	123	16	27	34	M12	200	1.91
5011-651-016-200	BT40 x SFC 16 - 200	265.4	200	50	165	16	27	34	M12	200	2.06
5011-651-018-090	BT40 x SFC 18 - 90	155.4	90	50	58	18	33	42	M12	250	2.12
5011-651-018-130	BT40 x SFC 18 - 130	195.4	130	50	98	18	33	42	M12	250	2.31
5011-651-018-160	BT40 x SFC 18 - 160	225.4	160	50	128	18	33	42	M12	250	2.46
5011-651-018-200	BT40 x SFC 18 - 200	265.4	200	50	168	18	33	42	M12	250	2.61
5011-651-020-090	BT40 x SFC 20 - 90	155.4	90	52	58	20	33	42	M16	320	2.09
5011-651-020-130	BT40 x SFC 20 - 130	195.4	130	52	98	20	33	42	M16	320	2.28
5011-651-020-160	BT40 x SFC 20 - 160	225.4	160	52	128	20	33	42	M16	320	2.43
5011-651-020-200	BT40 x SFC 20 - 200	265.4	200	52	168	20	33	42	M16	320	2.57
5011-651-025-100	BT40 x SFC 25 - 100	165.4	100	58	71	25	44	53	M20	500	1.83
5011-651-025-130	BT40 x SFC 25 - 130	195.4	130	58	101	25	44	53	M20	500	2.34
5011-651-025-160	BT40 x SFC 25 - 160	225.4	160	58	131	25	44	53	M20	500	2.85
5011-651-025-200	BT40 x SFC 25 - 200	265.4	200	58	171	25	44	53	M20	500	3.53
5011-651-032-100	BT40 x SFC 32 - 100	165.4	100	58	71	32	44	53	M20	550	1.69
5011-651-032-130	BT40 x SFC 32 - 130	195.4	130	58	101	32	44	53	M20	550	2.21
5011-651-032-160	BT40 x SFC 32 - 160	225.4	160	58	131	32	44	53	M20	550	2.71
5011-651-032-200	BT40 x SFC 32 - 200	265.4	200	58	171	32	44	53	M20	550	3.39

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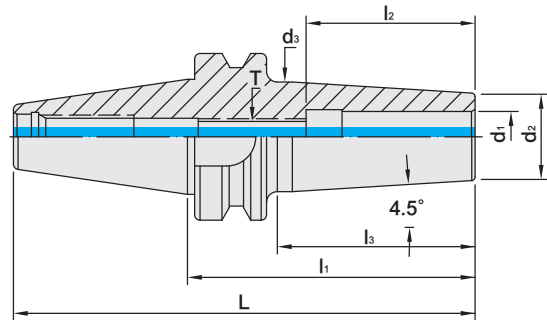
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MODEL NO.	TYPE	L	l ₁	l ₂	l ₃	d ₁	d ₂	d ₃	T	TORQUE N·m min	WEIGHT (KGS)
5012-651-004-100	BT50 x SFC4 - 100	201.8	100	20	52	4	10	18.4	M6	18	3.52
5012-651-004-130	BT50 x SFC4 - 130	231.8	130	20	82	4	10	18.4	-	18	3.57
5012-651-004-160	BT50 x SFC4 - 160	261.8	160	20	112	4	10	18.4	-	18	3.62
5012-651-004-200	BT50 x SFC4 - 200	301.8	200	20	152	4	10	18.4	-	18	3.69
5012-651-006-100	BT50 x SFC6 - 100	201.8	100	36	52	6	21	27	M5	18	3.75
5012-651-006-130	BT50 x SFC6 - 130	231.8	130	36	82	6	21	27	M5	18	3.94
5012-651-006-160	BT50 x SFC6 - 160	261.8	160	36	112	6	21	27	M5	18	4.07
5012-651-006-200	BT50 x SFC6 - 200	301.8	200	36	152	6	21	27	M5	18	4.24
5012-651-008-100	BT50 x SFC8 - 100	201.8	100	36	52	8	21	27	M6	35	3.74
5012-651-008-130	BT50 x SFC8 - 130	231.8	130	36	82	8	21	27	M6	35	3.93
5012-651-008-160	BT50 x SFC8 - 160	261.8	160	36	112	8	21	27	M6	35	4.06
5012-651-008-200	BT50 x SFC8 - 200	301.8	200	36	152	8	21	27	M6	35	4.23
5012-651-010-100	BT50 x SFC10 - 100	201.8	100	42	52	10	24	32	M8	65	3.82
5012-651-010-130	BT50 x SFC10 - 130	231.8	130	42	82	10	24	32	M8	65	4.05
5012-651-010-160	BT50 x SFC10 - 160	261.8	160	42	112	10	24	32	M8	65	4.18
5012-651-010-200	BT50 x SFC10 - 200	301.8	200	42	152	10	24	32	M8	65	4.35
5012-651-012-100	BT50 x SFC12 - 100	201.8	100	47	52	12	24	32	M10	110	3.81
5012-651-012-130	BT50 x SFC12 - 130	231.8	130	47	82	12	24	32	M10	110	4.04
5012-651-012-160	BT50 x SFC12 - 160	261.8	160	47	112	12	24	32	M10	110	4.17
5012-651-012-200	BT50 x SFC12 - 200	301.8	200	47	152	12	24	32	M10	110	4.34
5012-651-014-100	BT50 x SFC14 - 100	201.8	100	47	52	14	27	34	M10	150	3.88
5012-651-014-130	BT50 x SFC14 - 130	231.8	130	47	82	14	27	34	M10	150	4.11
5012-651-014-160	BT50 x SFC14 - 160	261.8	160	47	112	14	27	34	M10	150	4.24
5012-651-014-200	BT50 x SFC14 - 200	301.8	200	47	152	14	27	34	M10	150	4.41

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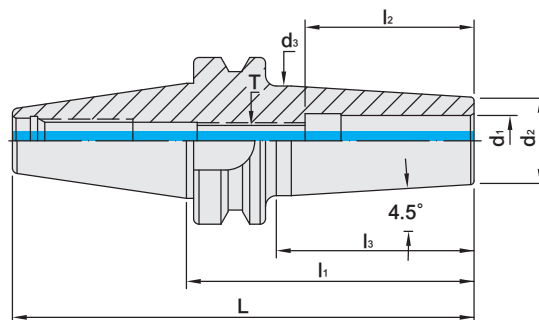
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P.X-64~65	P.X-73、77	P.X-78	P.X-111

BT / SFC SHRINK FIT CHUCK



BT / SFC 熱膨脹刀桿



MODEL NO.	TYPE	L	l ₁	l ₂	l ₃	d ₁	d ₂	d ₃	T	TORQUE N·m min	WEIGHT (KGS)
5012-651-016-100	BT50 x SFC16 - 100	201.8	100	50	52	16	27	34	M12	200	3.90
5012-651-016-130	BT50 x SFC16 - 130	231.8	130	50	82	16	27	34	M12	200	4.09
5012-651-016-160	BT50 x SFC16 - 160	261.8	160	50	112	16	27	34	M12	200	4.26
5012-651-016-200	BT50 x SFC16 - 200	301.8	200	50	152	16	27	34	M12	200	4.43
5012-651-018-100	BT50 x SFC18 - 100	201.8	100	50	52	18	33	42	M12	250	4.15
5012-651-018-130	BT50 x SFC18 - 130	231.8	130	50	82	18	33	42	M12	250	4.34
5012-651-018-160	BT50 x SFC18 - 160	261.8	160	50	112	18	33	42	M12	250	4.51
5012-651-018-200	BT50 x SFC18 - 200	301.8	200	50	152	18	33	42	M12	250	4.68
5012-651-020-100	BT50 x SFC20 - 100	201.8	100	52	52	20	33	42	M16	320	4.07
5012-651-020-130	BT50 x SFC20 - 130	231.8	130	52	82	20	33	42	M16	320	4.32
5012-651-020-160	BT50 x SFC20 - 160	261.8	160	52	112	20	33	42	M16	320	4.53
5012-651-020-200	BT50 x SFC20 - 200	301.8	200	52	152	20	33	42	M16	320	4.70
5012-651-025-100	BT50 x SFC25 - 100	201.8	100	58	52	25	44	53	M20	500	4.53
5012-651-025-130	BT50 x SFC25 - 130	231.8	130	58	82	25	44	53	M20	500	4.78
5012-651-025-160	BT50 x SFC25 - 160	261.8	160	58	112	25	44	53	M20	500	4.99
5012-651-025-200	BT50 x SFC25 - 200	301.8	200	58	152	25	44	53	M20	500	5.16
5012-651-032-100	BT50 x SFC32 - 100	201.8	100	58	52	32	44	53	M20	550	4.38
5012-651-032-130	BT50 x SFC32 - 130	231.8	130	58	82	32	44	53	M20	550	4.63
5012-651-032-160	BT50 x SFC32 - 160	261.8	160	58	112	32	44	53	M20	550	4.84
5012-651-032-200	BT50 x SFC32 - 200	301.8	200	58	152	32	44	53	M20	550	5.01

Features:

- ▶ Use thermal expansion to clamp tools. High rigidity and can reach high revolution. Runout is within 5μm.
- ▶ Use with shrink fit machine.
- ▶ 4.5° design allows bigger diameter which has better rigidity. Suitable for general machining.

Product information:

- ▶ We accept special order of the design with 6 threaded holes for balance (w/o balancing screws).
- ▶ Higher balancing grade and revolution can be done upon request but additional charge is needed.
- ▶ For tool shank with h6 tolerance, such as Form HA to DIN6535 and Form A to DIN 1835-1, except that the internal hole of Shrink Fit Chuck is less than 6mm.
- ▶ AD+B type is available, please inform us when making an order.

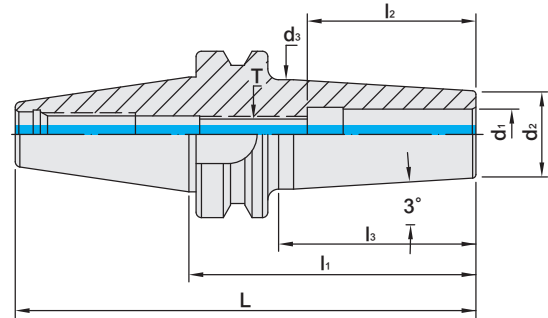
Pull Stud	Torque Wrench Adapter (Pull Stud)	Spanner (Pull Stud)	Preset Screw
P.X-64~65	P.X-73、77	P.X-78	P.X-111



BT / SFCT SHRINK FIT CHUCK



BT / SFCT 熱膨脹刀桿



MODEL NO.	TYPE	L	l ₁	l ₂	l ₃	d ₁	d ₂	d ₃	T	TORQUE N·m min	WEIGHT (KGS)
5010-793-004-080	BT30 x SFCT4 - 80	128.4	80	20	48	4	10	15	M6	18	0.42
5010-793-005-080	BT30 x SFCT5 - 80	128.4	80	20	53	5	16	19	M6	18	0.54
5010-793-006-080	BT30 x SFCT6 - 80	128.4	80	36	53	6	21	26	M5	18	0.64
5010-793-008-080	BT30 x SFCT8 - 80	128.4	80	36	53	8	21	26	M6	35	0.56
5010-793-010-080	BT30 x SFCT10 - 80	128.4	80	42	53	10	24	29	M8	65	0.66
5010-793-012-080	BT30 x SFCT12 - 80	128.4	80	47	53	12	24	29	M10	110	0.66
5010-793-014-080	BT30 x SFCT14 - 80	128.4	80	47	46	14	24	32	M10	150	0.58
5010-793-016-080	BT30 x SFCT16 - 80	128.4	80	50	55	16	27	32	M12	200	0.60
5010-793-018-090	BT30 x SFCT18 - 90	138.4	90	50	66	18	33	38	M12	250	0.80
5010-793-020-090	BT30 x SFCT20 - 90	138.4	90	52	66	20	33	38	M16	320	0.76
5010-793-025-100	BT30 x SFCT25 - 100	148.4	100	58	78	25	44	49	M20	500	1.17
5011-793-003-090	BT40 x SFCT3 - 90	155.4	90	18	53	3	9	14.6	M6	18	0.98
5011-793-004-090	BT40 x SFCT4 - 90	155.4	90	20	53	4	10	15.6	M6	18	1.01
5011-793-005-090	BT40 x SFCT5 - 90	155.4	90	20	58	5	16	21	M6	18	1.07
5011-793-006-090	BT40 x SFCT6 - 90	155.4	90	36	58	6	21	26	M5	18	1.15
5011-793-008-090	BT40 x SFCT8 - 90	155.4	90	36	58	8	21	26	M6	35	1.15
5011-793-010-090	BT40 x SFCT10 - 90	155.4	90	42	58	10	24	29	M8	65	1.20
5011-793-012-090	BT40 x SFCT12 - 90	155.4	90	47	58	12	24	29	M10	110	1.19
5011-793-014-090	BT40 x SFCT14 - 90	155.4	90	47	58	14	27	32	M10	150	1.24
5011-793-016-090	BT40 x SFCT16 - 90	155.4	90	50	58	16	27	32	M12	200	1.21
5011-793-018-100	BT40 x SFCT18 - 100	165.4	100	50	68	18	33	38	M12	250	1.42
5011-793-019-090	BT40 x SFCT19 - 90	155.4	90	60	58	19	33	38	M16	250	1.40
5011-793-020-100	BT40 x SFCT20 - 100	165.4	100	52	68	20	33	38	M16	320	1.38
5011-793-024-090	BT40 x SFCT24 - 90	155.4	90	72	61	24	44	49	M20	500	1.36
5011-793-025-100	BT40 x SFCT25 - 100	165.4	100	58	71	25	44	49	M20	500	1.66
5011-793-032-100	BT40 x SFCT32 - 100	165.4	100	58	71	32	44	49	M20	550	1.52

Features:

- ▶ Use thermal expansion to clamp tools. High rigidity and can reach high revolution. Runout is within 5μm.
- ▶ Use with shrink fit machine.
- ▶ 3° design makes it more slim, decreasing interference. Suitable for mold making industry.

Product information:

- ▶ We accept special order of the design with 6 threaded holes for balance (w/o balancing screws).
- ▶ Higher balancing grade and revolution can be done upon request but additional charge is needed.
- ▶ For tool shank with h6 tolerance, such as Form HA to DIN6535 and Form A to DIN 1835-1, except that the internal hole of Shrink Fit Chuck is less than 6mm.
- ▶ AD+B type is available, please inform us when making an order.
- ▶ MAS/BT30 tool holders are without coolant supply over collars.

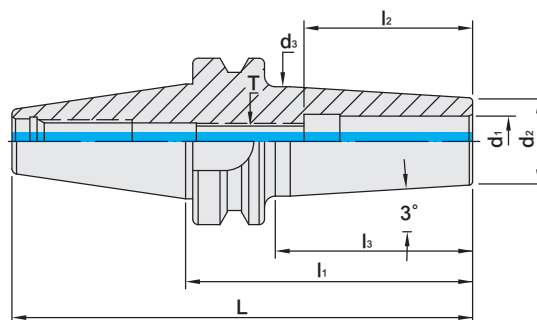
Pull Stud	Torque Wrench Adapter (Pull Stud)	Spanner (Pull Stud)	Preset Screw
P.X-64~65	P.X-73、77	P.X-78	P.X-111



BT / SFCT SHRINK FIT CHUCK



BT / SFCT 熱膨脹刀桿



MODEL NO.	TYPE	L	l ₁	l ₂	l ₃	d ₁	d ₂	d ₃	T	TORQUE N·m min	WEIGHT (KGS)
5012-793-004-100	BT50 x SFCT4 - 100	201.8	100	20	52	4	10	15.6	M6	18	3.86
5012-793-005-100	BT50 x SFCT5 - 100	201.8	100	20	57	5	16	21	M6	18	3.86
5012-793-006-100	BT50 x SFCT6 - 100	201.8	100	36	57	6	21	26	M5	18	3.92
5012-793-008-100	BT50 x SFCT8 - 100	201.8	100	36	52	8	21	26	M6	35	3.92
5012-793-010-100	BT50 x SFCT10 - 100	201.8	100	42	58	10	24	29	M8	65	3.90
5012-793-012-100	BT50 x SFCT12 - 100	201.8	100	47	52	12	24	29	M10	110	3.94
5012-793-014-100	BT50 x SFCT14 - 100	201.8	100	47	57	14	27	32	M10	150	4.02
5012-793-016-100	BT50 x SFCT16 - 100	201.8	100	50	52	16	27	32	M12	200	3.96
5012-793-018-110	BT50 x SFCT18 - 110	211.8	110	50	62	18	33	38	M12	250	4.18
5012-793-020-110	BT50 x SFCT20 - 110	211.8	110	52	67	20	33	38	M16	320	4.14
5012-793-025-110	BT50 x SFCT25 - 110	211.8	110	58	67	25	44	49	M20	500	4.46
5012-793-032-110	BT50 x SFCT32 - 110	211.8	110	58	67	32	44	49	M20	550	4.30

Features:

- ▶ Use thermal expansion to clamp tools. High rigidity and can reach high revolution. Runout is within 5μm.
- ▶ Use with shrink fit machine.
- ▶ 3° design makes it more slim, decreasing interference. Suitable for mold making industry.

Product information:

- ▶ We accept special order of the design with 6 threaded holes for balance (w/o balancing screws).
- ▶ Higher balancing grade and revolution can be done upon request but additional charge is needed.
- ▶ For tool shank with h6 tolerance, such as Form HA to DIN6535 and Form A to DIN 1835-1, except that the internal hole of Shrink Fit Chuck is less than 6mm.
- ▶ AD+B type is available, please inform us when making an order.

Pull Stud	Torque Wrench Adapter (Pull Stud)	Spanner (Pull Stud)	Preset Screw
P.X-64~65	P.X-73、77	P.X-78	P.X-111

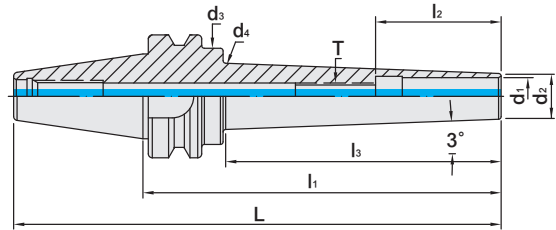


BT / SFCT SHRINK FIT CHUCK

LENGTHENED TYPE



BT / SFCT 熱膨脹刀桿



MODEL NO.	TYPE	L	l ₁	l ₂	l ₃	d ₁	d ₂	d ₃	d ₄	T	TORQUE N·m min	WEIGHT (KGS)
5010-793-004-135	BT30 x SFCT4 - 135	183.4	135	20	102	4	10	26	20.6	-	18	0.54
5010-793-005-135	BT30 x SFCT5 - 135	183.4	135	20	102	5	11	26	21.6	-	18	0.56
5010-793-006-135	BT30 x SFCT6 - 135	183.4	135	36	101	6	12	26	22.6	M5	18	0.58
5010-793-008-135	BT30 x SFCT8 - 135	183.4	135	36	103	8	14	26	24.7	M6	35	0.62
5010-793-010-135	BT30 x SFCT10 - 135	183.4	135	42	108	10	16	26	-	M8	65	0.65
5010-793-012-135	BT30 x SFCT12 - 135	183.4	135	47	108	12	18	26	-	M10	110	0.68
5010-793-014-135	BT30 x SFCT14 - 135	183.4	135	47	102	14	20	36	30.6	M10	150	0.77
5010-793-016-135	BT30 x SFCT16 - 135	183.4	135	50	101	16	22	36	32.6	M12	200	0.81
5010-793-018-135	BT30 x SFCT18 - 135	183.4	135	50	102	18	24	36	34.7	M12	250	0.86
5010-793-020-135	BT30 x SFCT20 - 135	183.4	135	52	111	20	26	36	-	M16	320	0.89
5010-793-025-160	BT30 x SFCT25 - 160	208.4	160	58	136	25	31	36	-	M20	500	1.10

Features:

- ▶ Use thermal expansion to clamp tools. High rigidity and can reach high revolution. Runout is within 5μm.
- ▶ Use with shrink fit machine.
- ▶ 3° design makes it more slim, decreasing interference. Suitable for mold making industry.

Product information:

- ▶ We accept special order of the design with 6 threaded holes for balance (w/o balancing screws).
- ▶ Higher balancing grade and revolution can be done upon request but additional charge is needed.
- ▶ For tool shank with h6 tolerance, such as Form HA to DIN6535 and Form A to DIN 1835-1, except that the internal hole of Shrink Fit Chuck is less than 6mm.
- ▶ MAS/BT30 tool holders are without coolant supply over collars.

Pull Stud	Torque Wrench Adapter (Pull Stud)	Spanner (Pull Stud)	Preset Screw
P.X-64~65	P.X-73、77	P.X-78	P.X-111

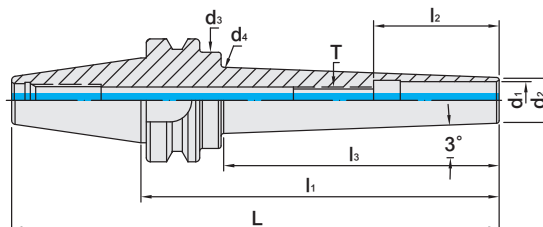


BT / SFCT SHRINK FIT CHUCK

LENGTHENED TYPE



BT / SFCT 熱膨脹刀桿



MODEL NO.	TYPE	L	l ₁	l ₂	l ₃	d ₁	d ₂	d ₃	d ₄	T	TORQUE N·m min	WEIGHT (KGS)
5011-793-004-135	BT40 x SFCT4 - 135	200.4	135	20	97	4	10	26	20	-	18	1.10
5011-793-005-135	BT40 x SFCT5 - 135	200.4	135	20	97	5	11	26	21	-	18	1.12
5011-793-005-165	BT40 x SFCT5 - 165	230.4	165	20	127	5	11	26	24	-	18	1.20
5011-793-005-200	BT40 x SFCT5 - 200	265.4	200	20	168	5	11	26	-	-	18	1.33
5011-793-006-135	BT40 x SFCT6 - 135	200.4	135	36	96	6	12	26	22	M5	18	1.12
5011-793-006-165	BT40 x SFCT6 - 165	230.4	165	36	127	6	12	26	25	M5	18	1.22
5011-793-006-200	BT40 x SFCT6 - 200	265.4	200	36	168	6	12	26	-	M5	18	1.33
5011-793-008-135	BT40 x SFCT8 - 135	200.4	135	36	97	8	14	36	24	M6	35	1.20
5011-793-008-165	BT40 x SFCT8 - 165	230.4	165	36	127	8	14	36	27	M6	35	1.30
5011-793-008-200	BT40 x SFCT8 - 200	265.4	200	36	162	8	14	36	30	M6	35	1.47
5011-793-010-135	BT40 x SFCT10 - 135	200.4	135	42	97	10	16	36	26	M8	65	1.22
5011-793-010-165	BT40 x SFCT10 - 165	230.4	165	42	127	10	16	36	26	M8	65	1.32
5011-793-010-200	BT40 x SFCT10 - 200	265.4	200	42	161	10	16	36	32	M8	65	1.49
5011-793-012-135	BT40 x SFCT12 - 135	200.4	135	47	97	12	18	36	28	M10	110	1.26
5011-793-012-165	BT40 x SFCT12 - 165	230.4	165	47	125	12	18	36	31	M10	110	1.39
5011-793-012-200	BT40 x SFCT12 - 200	265.4	200	47	162	12	18	36	35	M10	110	1.58

Features:

- ▶ Use thermal expansion to clamp tools. High rigidity and can reach high revolution. Runout is within 5μm.
- ▶ Use with shrink fit machine.
- ▶ 3° design makes it more slim, decreasing interference. Suitable for mold making industry.

Product information:

- ▶ We accept special order of the design with 6 threaded holes for balance (w/o balancing screws).
- ▶ Higher balancing grade and revolution can be done upon request but additional charge is needed.
- ▶ For tool shank with h6 tolerance, such as Form HA to DIN6535 and Form A to DIN 1835-1, except that the internal hole of Shrink Fit Chuck is less than 6mm.
- ▶ AD+B type is available, please inform us when making an order.

Pull Stud	Torque Wrench Adapter (Pull Stud)	Spanner (Pull Stud)	Preset Screw
P.X-64~65	P.X-73、77	P.X-78	P.X-111



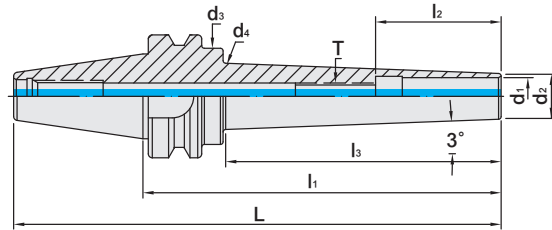
BT / SFCT SHRINK FIT CHUCK

LENGTHENED TYPE

3°

BALANCE
G2.5
25,000 RPM

BT / SFCT 熱膨脹刀桿



MODEL NO.	TYPE	L	l ₁	l ₂	l ₃	d ₁	d ₂	d ₃	d ₄	T	TORQUE N·m min	WEIGHT (KGS)
5011-793-014-135	BT40 x SFCT14 - 135	200.4	135	47	97	14	20	36	30	M10	150	1.30
5011-793-014-165	BT40 x SFCT14 - 165	230.4	165	47	126	14	20	36	33	M10	150	1.45
5011-793-014-200	BT40 x SFCT14 - 200	265.4	200	47	168	14	20	36	-	M10	150	1.67
5011-793-016-135	BT40 x SFCT16 - 135	200.4	135	50	96	16	22	36	32	M12	200	1.34
5011-793-016-165	BT40 x SFCT16 - 165	230.4	165	50	127	16	22	36	35	M12	200	1.51
5011-793-016-200	BT40 x SFCT16 - 200	265.4	200	50	168	16	22	36	-	M12	200	1.75
5011-793-018-135	BT40 x SFCT18 - 135	200.4	135	52	97	18	24	36	34	M12	250	1.38
5011-793-018-165	BT40 x SFCT18 - 165	230.4	165	52	133	18	24	36	-	M12	250	1.76
5011-793-018-200	BT40 x SFCT18 - 200	265.4	200	52	168	18	24	36	-	M12	250	1.82
5011-793-020-135	BT40 x SFCT20 - 135	200.4	135	52	103	20	26	36	-	M16	320	1.41
5011-793-020-165	BT40 x SFCT20 - 165	230.4	165	52	133	20	26	36	-	M16	320	1.62
5011-793-020-200	BT40 x SFCT20 - 200	265.4	200	52	168	20	26	36	-	M16	320	1.85
5011-793-025-135	BT40 x SFCT25 - 135	200.4	135	58	97	25	31	49	41	M20	500	1.56
5011-793-025-165	BT40 x SFCT25 - 165	230.4	165	58	127	25	31	49	44	M20	500	1.86
5011-793-025-200	BT40 x SFCT25 - 200	265.4	200	58	162	25	31	49	48	M20	500	2.28
5011-793-032-135	BT40 x SFCT32 - 135	200.4	135	58	97	32	38	49	48	M20	550	1.75
5011-793-032-165	BT40 x SFCT32 - 165	230.4	165	58	136	32	38	49	-	M20	550	2.15
5011-793-032-200	BT40 x SFCT32 - 200	265.4	200	58	171	32	38	49	-	M20	550	2.63

Features:

- ▶ Use thermal expansion to clamp tools. High rigidity and can reach high revolution. Runout is within 5μm.
- ▶ Use with shrink fit machine.
- ▶ 3° design makes it more slim, decreasing interference. Suitable for mold making industry.

Product information:

- ▶ We accept special order of the design with 6 threaded holes for balance (w/o balancing screws).
- ▶ Higher balancing grade and revolution can be done upon request but additional charge is needed.
- ▶ For tool shank with h6 tolerance, such as Form HA to DIN6535 and Form A to DIN 1835-1, except that the internal hole of Shrink Fit Chuck is less than 6mm.
- ▶ AD+B type is available, please inform us when making an order.

Pull Stud	Torque Wrench Adapter (Pull Stud)	Spanner (Pull Stud)	Preset Screw
			
P.X-64~65	P.X-73、77	P.X-78	P.X-111

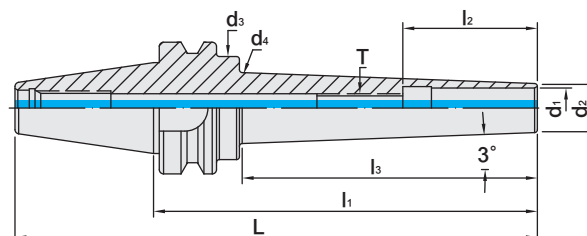


BT / SFCT SHRINK FIT CHUCK

LENGTHENED TYPE



BT / SFCT 熱膨脹刀桿



MODEL NO.	TYPE	L	l ₁	l ₂	l ₃	d ₁	d ₂	d ₃	d ₄	T	TORQUE N·m min	WEIGHT (KGS)
5012-793-004-135	BT50 x SFCT4 - 135	236.8	135	20	86	4	10	26	19	-	18	3.56
5012-793-005-135	BT50 x SFCT5 - 135	236.8	135	20	86	5	11	26	20	-	18	3.56
5012-793-005-165	BT50 x SFCT5 - 165	266.8	165	20	115	5	11	26	23	-	18	3.73
5012-793-005-200	BT50 x SFCT5 - 200	301.8	200	20	157	5	11	26	-	-	18	3.86
5012-793-006-135	BT50 x SFCT6 - 135	236.8	135	36	86	6	12	26	21	M5	18	3.62
5012-793-006-165	BT50 x SFCT6 - 165	266.8	165	36	116	6	12	26	24	M5	18	3.76
5012-793-006-200	BT50 x SFCT6 - 200	301.8	200	36	157	6	12	26	-	M5	18	3.89
5012-793-008-135	BT50 x SFCT8 - 135	236.8	135	36	86	8	14	36	23	M6	35	3.74
5012-793-008-165	BT50 x SFCT8 - 165	266.8	165	36	116	8	14	36	26	M6	35	3.85
5012-793-008-200	BT50 x SFCT8 - 200	301.8	200	36	151	8	14	36	29	M6	35	4.02
5012-793-010-135	BT50 x SFCT10 - 135	236.8	135	42	86	10	16	36	25	M8	65	3.68
5012-793-010-165	BT50 x SFCT10 - 165	266.8	165	42	116	10	16	36	28	M8	65	3.86
5012-793-010-200	BT50 x SFCT10 - 200	301.8	200	42	151	10	16	36	31	M8	65	4.02
5012-793-012-135	BT50 x SFCT12 - 135	236.8	135	47	86	12	18	36	27	M10	110	3.77
5012-793-012-165	BT50 x SFCT12 - 165	266.8	165	47	116	12	18	36	30	M10	110	3.89
5012-793-012-200	BT50 x SFCT12 - 200	301.8	200	47	150	12	18	36	33	M10	110	4.07

Features:

- Use thermal expansion to clamp tools. High rigidity and can reach high revolution. Runout is within 5μm.
- Use with shrink fit machine.
- 3° design makes it more slim, decreasing interference. Suitable for mold making industry.

Product information:

- We accept special order of the design with 6 threaded holes for balance (w/o balancing screws).
- Higher balancing grade and revolution can be done upon request but additional charge is needed.
- For tool shank with h6 tolerance, such as Form HA to DIN6535 and Form A to DIN 1835-1, except that the internal hole of Shrink Fit Chuck is less
- AD+B type is available, please inform us when making an order.

Pull Stud	Torque Wrench Adapter (Pull Stud)	Spanner (Pull Stud)	Preset Screw
P.X-64~65	P.X-73、77	P.X-78	P.X-111



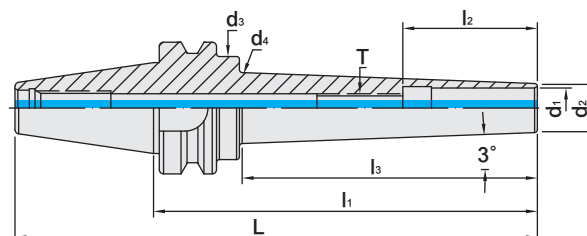
BT / SFCT SHRINK FIT CHUCK

LENGTHENED TYPE

3°

BALANCE
G2.5
25,000 RPM

BT / SFCT 熱膨脹刀桿



MODEL NO.	TYPE	L	l ₁	l ₂	l ₃	d ₁	d ₂	d ₃	d ₄	T	TORQUE N·m min	WEIGHT (KGS)
5012-793-014-135	BT50 x SFCT14 - 135	236.8	135	47	86	14	20	36	29	M10	150	3.81
5012-793-014-165	BT50 x SFCT14 - 165	266.8	165	47	116	14	20	36	32	M10	150	3.86
5012-793-014-200	BT50 x SFCT14 - 200	301.8	200	47	157	14	20	36	-	M10	150	4.16
5012-793-016-135	BT50 x SFCT16 - 135	236.8	135	50	86	16	22	36	31	M12	200	3.82
5012-793-016-165	BT50 x SFCT16 - 165	266.8	165	50	116	16	22	36	34	M12	200	3.97
5012-793-016-200	BT50 x SFCT16 - 200	301.8	200	50	157	16	22	36	-	M12	200	4.19
5012-793-018-135	BT50 x SFCT18 - 135	236.8	135	50	85	18	24	36	32	M12	250	3.88
5012-793-018-165	BT50 x SFCT18 - 165	266.8	165	50	122	18	24	36	-	M12	250	4.06
5012-793-018-200	BT50 x SFCT18 - 200	301.8	200	50	157	18	24	36	-	M12	250	4.30
5012-793-020-135	BT50 x SFCT20 - 135	236.8	135	52	86	20	26	36	35	M16	320	3.86
5012-793-020-165	BT50 x SFCT20 - 165	266.8	165	52	117	20	26	36	-	M16	320	4.03
5012-793-020-200	BT50 x SFCT20 - 200	301.8	200	52	152	20	26	36	-	M16	320	4.22
5012-793-025-135	BT50 x SFCT25 - 135	236.8	135	58	86	25	31	49	40	M20	500	4.03
5012-793-025-165	BT50 x SFCT25 - 165	266.8	165	58	116	25	31	49	43	M20	500	4.30
5012-793-025-200	BT50 x SFCT25 - 200	301.8	200	58	150	25	31	49	46	M20	500	4.67
5012-793-032-135	BT50 x SFCT32 - 135	236.8	135	58	86	32	38	49	47	M20	550	4.18
5012-793-032-165	BT50 x SFCT32 - 165	266.8	165	58	122	32	38	49	-	M20	550	4.56
5012-793-032-200	BT50 x SFCT32 - 200	301.8	200	58	157	32	38	49	-	M20	550	5.01

Features:

- ▶ Use thermal expansion to clamp tools. High rigidity and can reach high revolution. Runout is within 5μm.
- ▶ Use with shrink fit machine.
- ▶ 3° design makes it more slim, decreasing interference. Suitable for mold making industry.

Product information:

- ▶ We accept special order of the design with 6 threaded holes for balance (w/o balancing screws).
- ▶ Higher balancing grade and revolution can be done upon request but additional charge is needed.
- ▶ For tool shank with h6 tolerance, such as Form HA to DIN6535 and Form A to DIN 1835-1, except that the internal hole of Shrink Fit Chuck is less than 6mm.
- ▶ AD+B type is available, please inform us when making an order.

Pull Stud	Torque Wrench Adapter (Pull Stud)	Spanner (Pull Stud)	Preset Screw
			
P.X-64~65	P.X-73、77	P.X-78	P.X-111

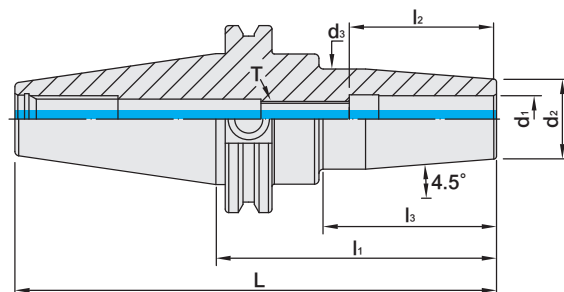


CAT / SFC SHRINK FIT CHUCK

4.5°

BALANCE
G2.5
25,000 RPM

CAT / SFC 熱膨脹刀桿



INCHES

MODEL NO.	TYPE	L	l ₁	l ₂	l ₃	d ₁	d ₂	d ₃	T	TORQUE N-m min	WEIGHT (KGS)
5031-651-A08-350	CAT40 x SFC1/8" - 3.5"	6.187	3.5	0.79	1.75	0.125	0.36	0.63	M6	18	1.03
5031-651-A08-500	CAT40 x SFC1/8" - 5"	7.687	5	0.79	3.56	0.125	0.36	0.87	-	18	1.11
5031-651-A12-350	CAT40 x SFC3/16" - 3.5"	6.187	3.5	0.79	1.75	0.1875	0.43	0.7	M6	18	1.04
5031-651-A12-500	CAT40 x SFC3/16" - 5"	7.687	5	0.79	3.22	0.1875	0.43	0.71	-	18	1.10
5031-651-A16-300	CAT40 x SFC1/4" - 3"	5.687	3	1.42	1.56	0.25	0.71	0.94	M5	18	1.09
5031-651-A16-350	CAT40 x SFC1/4" - 3.5"	6.187	3.5	1.42	2	0.25	0.71	0.94	M5	18	1.12
5031-651-A16-500	CAT40 x SFC1/4" - 5"	7.687	5	1.42	3.12	0.25	0.71	1.06	M5	18	1.29
5031-651-A16-600	CAT40 x SFC1/4" - 6"	8.687	6	1.42	4.44	0.25	0.71	1.37	M5	18	1.49
5031-651-A20-350	CAT40 x SFC5/16" - 3.5"	6.187	3.5	1.42	2.06	0.3125	0.79	1.06	M6	35	1.14
5031-651-A20-500	CAT40 x SFC5/16" - 5"	7.687	5	1.42	3.12	0.3125	0.79	1.06	M6	35	1.30
5031-651-A24-300	CAT40 x SFC3/8" - 3"	5.687	3	1.65	1.56	0.375	0.94	1.18	M8	65	1.15
5031-651-A24-375	CAT40 x SFC3/8" - 3.75"	6.437	3.75	1.65	2.31	0.375	0.94	1.26	M8	65	1.24
5031-651-A24-500	CAT40 x SFC3/8" - 5"	7.687	5	1.65	3.27	0.375	0.94	1.37	M8	65	1.46
5031-651-A24-600	CAT40 x SFC3/8" - 6"	8.687	6	1.65	4.44	0.375	0.94	1.37	M8	65	1.66
5031-651-A32-300	CAT40 x SFC1/2" - 3"	5.687	3	1.85	1.56	0.5	1.1	1.34	M10	110	1.19
5031-651-A32-375	CAT40 x SFC1/2" - 3.75"	6.437	3.75	1.85	2.31	0.5	1.1	1.34	M10	110	1.30
5031-651-A32-500	CAT40 x SFC1/2" - 5"	7.687	5	1.85	3.44	0.5	1.1	1.37	M10	110	1.52
5031-651-A32-600	CAT40 x SFC1/2" - 6"	8.687	6	1.85	4.35	0.5	1.1	1.37	M10	110	1.68
5031-651-A40-375	CAT40 x SFC5/8" - 3.75"	6.437	3.75	1.97	2.17	0.625	1.06	1.34	M12	200	1.27
5031-651-A48-300	CAT40 x SFC3/4" - 3"	5.687	3	2.04	1.62	0.75	1.42	1.65	M16	320	1.24
5031-651-A48-400	CAT40 x SFC3/4" - 4"	6.687	4	2.04	2.62	0.75	1.42	1.65	M16	320	1.49
5031-651-A48-500	CAT40 x SFC3/4" - 5"	7.687	5	2.04	3.44	0.75	1.26	1.37	M16	320	1.48
5031-651-A48-600	CAT40 x SFC3/4" - 6"	8.687	6	2.04	4.44	0.75	1.26	1.37	M16	320	1.64
5031-651-A64-300	CAT40 x SFC1" - 3"	5.687	3	2.09	1.62	1	1.81	2.04	M20	500	1.34
5031-651-A64-400	CAT40 x SFC1" - 4"	6.687	4	2.28	2.62	1	1.81	2.09	M20	500	1.73
5031-651-A64-600	CAT40 x SFC1" - 6"	8.687	6	2.28	4.54	1	1.81	2.09	M20	500	2.51
5031-651-A72-400	CAT40 x SFC1-1/4" - 4"	6.687	4	2.28	2.62	1.25	1.81	2.09	M20	500	1.60

Features:

- ▶ Use thermal expansion to clamp tools. High rigidity and can reach high revolution. Runout is within 5μm.
- ▶ Use with shrink fit machine.
- ▶ 4.5° design allows bigger diameter which has better rigidity. Suitable for general machining.

Product information:

- ▶ We accept special order of the design with 6 threaded holes for balance (w/o balancing screws).
- ▶ Higher balancing grade and revolution can be done upon request but additional charge is needed.
- ▶ For tool shank with h6 tolerance, such as Form HA to DIN6535 and Form A to DIN 1835-1, except that the internal hole of Shrink Fit Chuck is less than 6mm.
- ▶ AD+B type is available, please inform us when making an order.

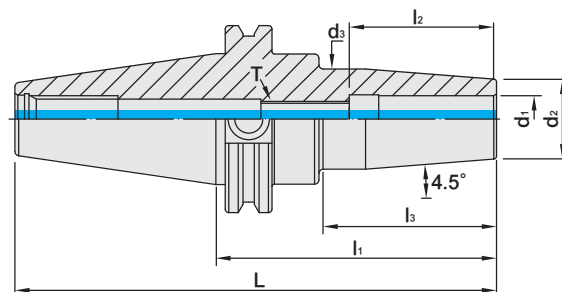
Pull Stud	Torque Wrench Adapter (Pull Stud)	Spanner (Pull Stud)	Preset Screw
P.X-66	P.X-73、77	P.X-78	P.X-111



CAT / SFC SHRINK FIT CHUCK



CAT / SFC 熱膨脹刀桿



INCHES

MODEL NO.	TYPE	L	l ₁	l ₂	l ₃	d ₁	d ₂	d ₃	T	TORQUE N·m min	WEIGHT (KGS)
5032-651-A12-354	CAT50 x SFC3/16" - 3.54"	7.54	3.54	0.79	1.98	0.1875	0.43	0.74	M6	18	3.04
5032-651-A16-354	CAT50 x SFC1/4" - 3.54"	7.54	3.54	1.42	2.04	0.25	0.71	1.03	M5	18	3.13
5032-651-A20-354	CAT50 x SFC5/16" - 3.54"	7.54	3.54	1.42	2.04	0.3125	0.79	1.06	M6	35	3.15
5032-651-A24-394	CAT50 x SFC3/8" - 3.94"	7.94	3.94	1.65	2.36	0.375	0.94	1.26	M8	65	3.27
5032-651-A32-394	CAT50 x SFC1/2" - 3.94"	7.94	3.94	1.85	2.36	0.5	1.1	1.34	M10	110	3.33
5032-651-A40-394	CAT50 x SFC5/8" - 3.94"	7.94	3.94	1.97	2.36	0.625	1.06	1.34	M12	200	3.29
5032-651-A48-413	CAT50 x SFC3/4" - 4.13"	8.13	4.13	2.04	2.71	0.75	1.42	1.65	M16	320	3.52
5032-651-A48-600	CAT50 x SFC3/4" - 6"	10	6	2.04	3.91	0.75	1.42	1.65	M16	320	4.03
5032-651-A64-413	CAT50 x SFC1" - 4.13"	8.13	4.13	2.28	2.71	1	1.81	2.09	M20	500	3.81
5032-651-A64-600	CAT50 x SFC1" - 6"	10	6	2.28	4.12	1	1.81	2.09	M20	500	4.56
5032-651-A72-413	CAT50 x SFC1-1/4" - 4.13"	8.13	4.13	2.28	2.63	1.25	1.81	2.09	M20	500	3.68
5032-651-A72-472	CAT50 x SFC1-1/4" - 4.72"	8.72	4.72	2.28	3.22	1.25	1.81	2.09	M20	550	3.90
5032-651-A72-600	CAT50 x SFC1-1/4" - 6"	10	6	2.28	4.12	1.25	1.81	2.09	M20	550	4.43

Features:

- ▶ Use thermal expansion to clamp tools. High rigidity and can reach high revolution. Runout is within 5μm.
- ▶ Use with shrink fit machine.
- ▶ 4.5° design allows bigger diameter which has better rigidity. Suitable for general machining.

Product information:

- ▶ We accept special order of the design with 6 threaded holes for balance (w/o balancing screws).
- ▶ Higher balancing grade and revolution can be done upon request but additional charge is needed.
- ▶ For tool shank with h6 tolerance, such as Form HA to DIN6535 and Form A to DIN 1835-1, except that the internal hole of Shrink Fit Chuck is less than 6mm.
- ▶ AD+B type is available, please inform us when making an order.

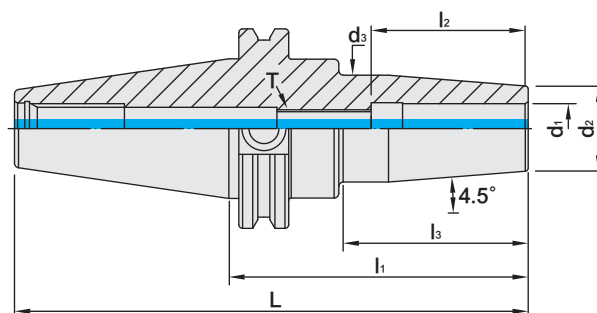
Pull Stud	Torque Wrench Adapter (Pull Stud)	Spanner (Pull Stud)	Preset Screw
P.X-66	P.X-73、77	P.X-78	P.X-111



CAT / SFC SHRINK FIT CHUCK



CAT / SFC 熱膨脹刀桿



MODEL NO.	TYPE	L	l ₁	l ₂	l ₃	d ₁	d ₂	d ₃	T	TORQUE N·m min	WEIGHT (KGS)
5031-651-003-100	CAT40 x SFC3 - 100	168.249	100	18	55	3	9	17.7	M6	18	1.04
5031-651-004-100	CAT40 x SFC4 - 100	168.249	100	20	55	4	10	18.7	M6	18	1.06
5031-651-005-100	CAT40 x SFC5 - 100	168.249	100	20	60	5	16	22	M8	18	1.12
5031-651-006-100	CAT40 x SFC6 - 100	168.249	100	36	54	6	21	27	M5	18	1.23
5031-651-006-150	CAT40 x SFC6 - 150	218.249	150	36	104	6	21	27	M5	18	1.39
5031-651-008-100	CAT40 x SFC8 - 100	168.249	100	36	54	8	21	27	M6	35	1.22
5031-651-008-150	CAT40 x SFC8 - 150	218.249	150	36	104	8	21	27	M6	35	1.39
5031-651-010-100	CAT40 x SFC10 - 100	168.249	100	42	56	10	24	32	M8	65	1.28
5031-651-010-150	CAT40 x SFC10 - 150	218.249	150	42	106	10	24	32	M8	65	1.53
5031-651-012-100	CAT40 x SFC12 - 100	168.249	100	47	59	12	24	33.3	M10	110	1.27
5031-651-012-150	CAT40 x SFC12 - 150	218.249	150	47	104	12	24	32	M10	110	1.52
5031-651-014-095	CAT40 x SFC14 - 95.3	163.549	95.3	47	59	14	27	34	M10	150	1.27
5031-651-014-100	CAT40 x SFC14 - 100	168.249	100	47	59	14	27	34	M10	150	1.31
5031-651-014-152	CAT40 x SFC14 - 152.4	220.649	152.4	47	112	14	27	34	M10	150	1.62
5031-651-016-095	CAT40 x SFC16 - 95.3	163.549	95.3	50	54	16	27	34	M12	200	1.25
5031-651-016-100	CAT40 x SFC16 - 100	168.249	100	50	59	16	27	34	M12	200	1.28
5031-651-016-160	CAT40 x SFC16 - 160	228.249	160	50	119	16	27	34	M12	200	1.64
5031-651-018-100	CAT40 x SFC18 - 100	168.249	100	50	63	18	33	42	M12	250	1.43
5031-651-020-080	CAT40 x SFC20 - 80	148.249	80	52	42	20	33	39	M16	320	1.20

Features:

- ▶ Use thermal expansion to clamp tools. High rigidity and can reach high revolution. Runout is within 5μm.
- ▶ Use with shrink fit machine.
- ▶ 4.5° design allows bigger diameter which has better rigidity. Suitable for general machining.

Product information:

- ▶ We accept special order of the design with 6 threaded holes for balance (w/o balancing screws).
- ▶ Higher balancing grade and revolution can be done upon request but additional charge is needed.
- ▶ For tool shank with h6 tolerance, such as Form HA to DIN6535 and Form A to DIN 1835-1, except that the internal hole of Shrink Fit Chuck is less than 6mm.
- ▶ AD+B type is available, please inform us when making an order.

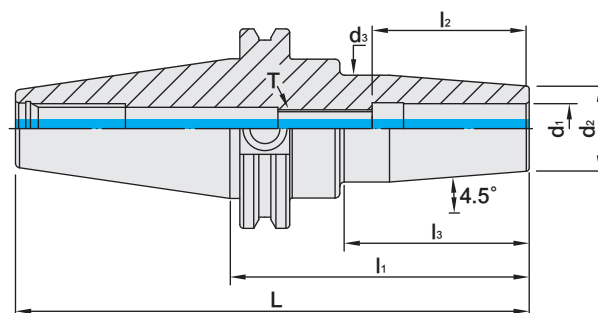
Pull Stud	Torque Wrench Adapter (Pull Stud)	Spanner (Pull Stud)	Preset Screw
P.X-66	P.X-73、77	P.X-78	P.X-111



CAT / SFC SHRINK FIT CHUCK



CAT / SFC 熱膨脹刀桿



MODEL NO.	TYPE	L	l ₁	l ₂	l ₃	d ₁	d ₂	d ₃	T	TORQUE N·m min	WEIGHT (KGS)
5032-651-006-100	CAT50 x SFC6 - 100	201.6	100	36	62	6	21	27	M5	18	3.21
5032-651-006-150	CAT50 x SFC6 - 150	251.6	150	36	101	6	21	27	M5	18	3.42
5032-651-008-100	CAT50 x SFC8 - 100	201.6	100	36	60	8	21	27	M6	35	3.21
5032-651-008-150	CAT50 x SFC8 - 150	251.6	150	36	101	8	21	27	M6	35	3.41
5032-651-010-100	CAT50 x SFC10 - 100	201.6	100	42	60	10	24	32	M8	65	3.27
5032-651-010-150	CAT50 x SFC10 - 150	251.6	150	42	91	10	24	32	M8	65	3.74
5032-651-012-100	CAT50 x SFC12 - 100	201.6	100	47	62	12	24	32	M10	110	3.26
5032-651-012-150	CAT50 x SFC12 - 150	251.6	150	47	91	12	24	32	M10	110	3.71
5032-651-014-100	CAT50 x SFC14 - 100	201.6	100	47	62	14	27	34	M10	150	3.31
5032-651-014-150	CAT50 x SFC14 - 150	251.6	150	47	92	14	27	34	M10	150	3.79
5032-651-016-100	CAT50 x SFC16 - 100	201.6	100	50	62	16	27	34	M12	200	3.29
5032-651-016-160	CAT50 x SFC16 - 160	261.6	160	50	102	16	27	34	M12	200	3.83
5032-651-018-100	CAT50 x SFC18 - 100	201.6	100	50	62	18	33	42	M12	250	3.45
5032-651-020-080	CAT50 x SFC20 - 80	181.6	80	52	35	20	33	42	M16	320	3.26
5032-651-025-100	CAT50 x SFC25 - 100	201.6	100	58	62	25	44	53	M20	500	3.69
5032-651-032-100	CAT50 x SFC32 - 100	201.6	100	58	62	32	44	53	M20	550	3.55

Features:

- ▶ Use thermal expansion to clamp tools. High rigidity and can reach high revolution. Runout is within 5μm.
- ▶ Use with shrink fit machine.
- ▶ 4.5° design allows bigger diameter which has better rigidity. Suitable for general machining.

Product information:

- ▶ We accept special order of the design with 6 threaded holes for balance (w/o balancing screws).
- ▶ Higher balancing grade and revolution can be done upon request but additional charge is needed.
- ▶ For tool shank with h6 tolerance, such as Form HA to DIN6535 and Form A to DIN 1835-1, except that the internal hole of Shrink Fit Chuck is less than 6mm.
- ▶ AD+B type is available, please inform us when making an order.

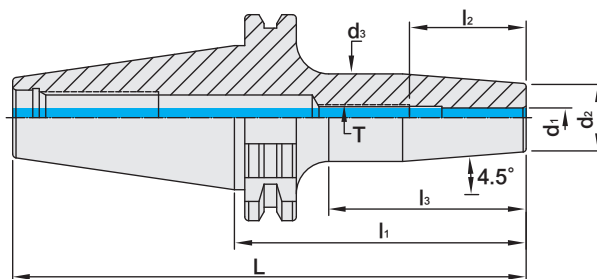
Pull Stud	Torque Wrench Adapter (Pull Stud)	Spanner (Pull Stud)	Preset Screw
P.X-66	P.X-73、77	P.X-78	P.X-111



DAT / SFC SHRINK FIT CHUCK



DAT / SFC 熱膨脹刀桿



MODEL NO.	TYPE	L	l ₁	l ₂	l ₃	d ₁	d ₂	d ₃	T	TORQUE N·m min	WEIGHT (KGS)
5050-651-003-060	DAT30 x SFC3 - 60	107.8	60	18	36.2	3	10	15.6	M6	18	0.41
5050-651-003-080	DAT30 x SFC3 - 80	127.8	80	18	51	3	10	17.1	M6	18	0.43
5050-651-004-060	DAT30 x SFC4 - 60	107.8	60	20	36.2	4	10	15.6	M6	18	0.41
5050-651-004-080	DAT30 x SFC4 - 80	127.8	80	20	51	4	10	18.1	M6	18	0.44
5050-651-005-080	DAT30 x SFC5 - 80	127.8	80	20	55	5	10	22	M6	18	0.49
5050-651-006-060	DAT30 x SFC6 - 60	1107.8	60	36	38.1	6	23	29	M5	18	0.53
5050-651-006-080	DAT30 x SFC6 - 80	127.8	80	36	55	6	21	27	M5	18	0.58
5050-651-008-060	DAT30 x SFC8 - 60	107.8	60	36	38.1	8	23	29	M6	35	0.52
5050-651-008-080	DAT30 x SFC8 - 80	127.8	80	36	55	8	21	27	M6	35	0.58
5050-651-010-060	DAT30 x SFC10 - 60	107.8	60	42	38.1	10	27	29	M8	65	0.56
5050-651-010-080	DAT30 x SFC10 - 80	127.8	80	42	55	10	24	32	M8	65	0.64
5050-651-012-060	DAT30 x SFC12 - 60	107.8	60	47	38.1	12	27	33	M10	110	0.56
5050-651-012-080	DAT30 x SFC12 - 80	127.8	80	47	55	12	24	32	M10	110	0.62
5050-651-016-065	DAT30 x SFC16 - 65	112.8	65	50	44.9	16	30	37	M12	200	0.64
5050-651-016-080	DAT30 x SFC16 - 80	127.8	80	50	55	16	27	34	M12	200	0.64
5050-651-020-070	DAT30 x SFC20 - 70	117.8	70	52	50	20	35.5	40.5	M16	320	0.70

Features:

- ▶ Use thermal expansion to clamp tools. High rigidity and can reach high revolution. Runout is within 5μm.
- ▶ Use with shrink fit machine.
- ▶ 4.5° design allows bigger diameter which has better rigidity. Suitable for general machining.

Product information:

- ▶ We accept special order of the design with 6 threaded holes for balance (w/o balancing screws).
- ▶ Higher balancing grade and revolution can be done upon request but additional charge is needed.
- ▶ For tool shank with h6 tolerance, such as Form HA to DIN6535 and Form A to DIN 1835-1, except that the internal hole of Shrink Fit Chuck is less than 6mm.
- ▶ AD+B type is available, please inform us when making an order.

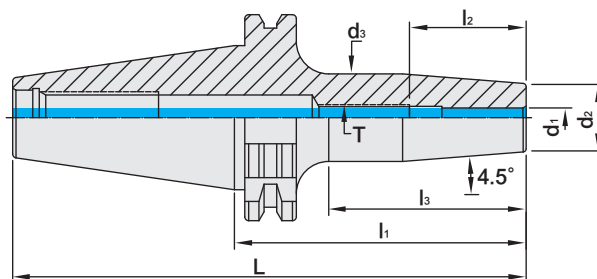
Pull Stud	Torque Wrench Adapter (Pull Stud)	Spanner (Pull Stud)	Preset Screw
P.X-67	P.X-73、77	P.X-78	P.X-111



DAT / SFC SHRINK FIT CHUCK



DAT / SFC 熱膨脹刀桿



MODEL NO.	TYPE	L	l ₁	l ₂	l ₃	d ₁	d ₂	d ₃	T	TORQUE N·m min	WEIGHT (KGS)
5051-651-003-080	DAT40 x SFC3 - 80	148.4	80	18	51.7	3	10	19.3	M6	18	0.89
5051-651-004-080	DAT40 x SFC4 - 80	148.4	80	20	51.7	4	10	19.3	M6	18	0.89
5051-651-005-080	DAT40 x SFC5 - 80	148.4	80	20	51.7	5	10	19.3	M6	18	0.89
5051-651-006-080	DAT40 x SFC6 - 80	148.4	80	36	55.9	6	21	27	M5	18	1.03
5051-651-006-130	DAT40 x SFC6 - 130	198.4	130	36	105.9	6	21	27	M5	18	1.25
5051-651-006-160	DAT40 x SFC6 - 160	228.4	160	36	105.9	6	21	27	M5	18	1.38
5051-651-006-200	DAT40 x SFC6 - 200	268.4	200	36	146	6	21	27	M5	18	1.56
5051-651-008-080	DAT40 x SFC8 - 80	148.4	80	36	55.9	8	21	27	M6	35	0.93
5051-651-008-130	DAT40 x SFC8 - 130	198.4	130	36	105.9	8	21	27	M6	35	1.24
5051-651-008-160	DAT40 x SFC8 - 160	228.4	160	36	105.9	8	21	27	M6	35	1.37
5051-651-008-200	DAT40 x SFC8 - 200	268.4	200	36	146	8	21	27	M6	35	1.55
5051-651-010-080	DAT40 x SFC10 - 80	148.4	80	42	55.9	10	24	32	M8	65	1.21
5051-651-010-130	DAT40 x SFC10 - 130	198.4	130	42	105.9	10	24	32	M8	65	1.52
5051-651-010-160	DAT40 x SFC10 - 160	228.4	160	42	105.9	10	24	32	M8	65	1.65
5051-651-010-200	DAT40 x SFC10 - 200	268.4	200	42	146	10	24	32	M8	65	1.83
5051-651-012-080	DAT40 x SFC12 - 80	148.4	80	47	55.9	12	24	32	M10	110	1.01
5051-651-012-130	DAT40 x SFC12 - 130	198.4	130	47	105.9	12	24	32	M10	110	1.50
5051-651-012-160	DAT40 x SFC12 - 160	228.4	160	47	105.9	12	24	32	M10	110	1.45
5051-651-012-200	DAT40 x SFC12 - 200	268.4	200	47	146	12	24	32	M10	110	1.81
5051-651-014-080	DAT40 x SFC14 - 80	148.4	80	47	55.9	14	27	34	M10	150	0.89
5051-651-014-130	DAT40 x SFC14 - 130	198.4	130	47	105.9	14	27	34	M10	150	1.38
5051-651-014-160	DAT40 x SFC14 - 160	228.4	160	47	105.9	14	27	34	M10	150	1.33
5051-651-014-200	DAT40 x SFC14 - 200	268.4	200	47	146	14	27	34	M10	150	1.93

Features:

- ▶ Use thermal expansion to clamp tools. High rigidity and can reach high revolution. Runout is within 5μm.
- ▶ Use with shrink fit machine.
- ▶ 4.5° design allows bigger diameter which has better rigidity. Suitable for general machining.

Product information:

- ▶ We accept special order of the design with 6 threaded holes for balance (w/o balancing screws).
- ▶ Higher balancing grade and revolution can be done upon request but additional charge is needed.
- ▶ For tool shank with h6 tolerance, such as Form HA to DIN6535 and Form A to DIN 1835-1, except that the internal hole of Shrink Fit Chuck is less than 6mm.
- ▶ AD+B type is available, please inform us when making an order.

Pull Stud	Torque Wrench Adapter (Pull Stud)	Spanner (Pull Stud)	Preset Screw
P.X-67	P.X-73、77	P.X-78	P.X-111

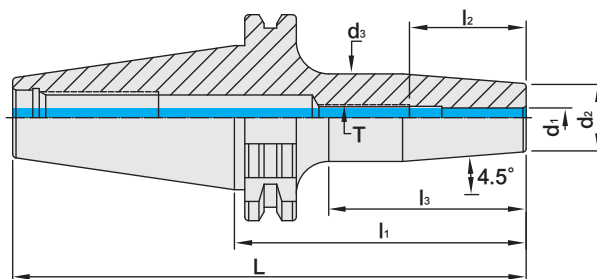


DAT / SFC SHRINK FIT CHUCK

4.5°

BALANCE
G2.5
25,000 RPM

DAT / SFC 熱膨脹刀桿



MODEL NO.	TYPE	L	l ₁	l ₂	l ₃	d ₁	d ₂	d ₃	T	TORQUE N·m min	WEIGHT (KGS)
5051-651-016-080	DAT40 x SFC16 - 80	148.4	80	50	55.8	16	27	34	M12	200	1.09
5051-651-016-130	DAT40 x SFC16 - 130	198.4	130	50	105.9	16	27	34	M12	200	1.44
5051-651-016-160	DAT40 x SFC16 - 160	228.4	160	50	105.9	16	27	34	M12	200	1.65
5051-651-016-200	DAT40 x SFC16 - 200	268.4	200	50	146	16	27	34	M12	200	1.93
5051-651-018-080	DAT40 x SFC18 - 80	148.4	80	50	57.9	18	33	42	M12	250	1.23
5051-651-018-130	DAT40 x SFC18 - 130	198.4	130	50	107.9	18	33	42	M12	250	1.76
5051-651-018-160	DAT40 x SFC18 - 160	228.4	160	50	107.9	18	33	42	M12	250	2.08
5051-651-018-200	DAT40 x SFC18 - 200	268.4	200	50	147.9	18	33	42	M12	250	2.51
5051-651-020-080	DAT40 x SFC20 - 80	148.4	80	52	57.9	20	33	42	M16	320	1.21
5051-651-020-130	DAT40 x SFC20 - 130	198.4	130	52	107.9	20	33	42	M16	320	1.73
5051-651-020-160	DAT40 x SFC20 - 160	228.4	160	52	107.9	20	33	42	M16	320	2.06
5051-651-020-200	DAT40 x SFC20 - 200	268.4	200	52	147.9	20	33	42	M16	320	2.48
5051-651-025-100	DAT40 x SFC25 - 100	168.4	100	58	80.9	25	44	53	M20	500	1.79
5051-651-025-130	DAT40 x SFC25 - 130	198.4	130	58	110.9	25	44	53	M20	500	2.31
5051-651-025-160	DAT40 x SFC25 - 160	228.4	160	58	140.9	25	44	53	M20	500	2.81
5051-651-025-200	DAT40 x SFC25 - 200	268.4	200	58	180.9	25	44	53	M20	500	3.49
5051-651-032-100	DAT40 x SFC32 - 100	168.4	100	58	80.9	32	44	53	M20	550	1.65

Features:

- ▶ Use thermal expansion to clamp tools. High rigidity and can reach high revolution. Runout is within 5μm.
- ▶ Use with shrink fit machine.
- ▶ 4.5° design allows bigger diameter which has better rigidity. Suitable for general machining.

Product information:

- ▶ We accept special order of the design with 6 threaded holes for balance (w/o balancing screws).
- ▶ Higher balancing grade and revolution can be done upon request but additional charge is needed.
- ▶ For tool shank with h6 tolerance, such as Form HA to DIN6535 and Form A to DIN 1835-1, except that the internal hole of Shrink Fit Chuck is less than 6mm.
- ▶ AD+B type is available, please inform us when making an order.

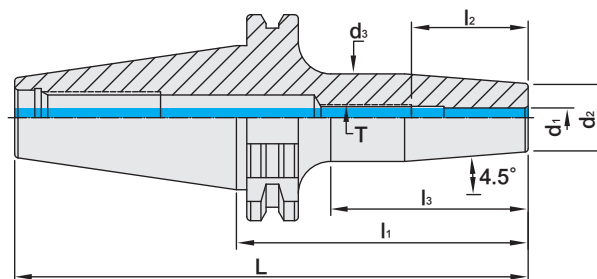
Pull Stud	Torque Wrench Adapter (Pull Stud)	Spanner (Pull Stud)	Preset Screw
			
P.X-67	P.X-73、77	P.X-78	P.X-111



DAT / SFC SHRINK FIT CHUCK



DAT / SFC 熱膨脹刀桿



MODEL NO.	TYPE	L	l ₁	l ₂	l ₃	d ₁	d ₂	d ₃	T	TORQUE N·m min	WEIGHT (KGS)
5052-651-006-080	DAT50 x SFC6 - 80	181.75	80	36	50.9	6	21	27	M5	18	2.81
5052-651-006-130	DAT50 x SFC6 - 130	231.75	130	36	100.9	6	21	27	M5	18	3.03
5052-651-006-160	DAT50 x SFC6 - 160	261.75	160	36	100.9	6	21	27	M5	18	3.17
5052-651-006-200	DAT50 x SFC6 - 200	301.75	200	36	141	6	21	27	M5	18	3.34
5052-651-008-080	DAT50 x SFC8 - 80	181.75	80	36	50.9	8	21	27	M6	35	2.80
5052-651-008-130	DAT50 x SFC8 - 130	231.75	130	36	100.9	8	21	27	M6	35	3.02
5052-651-008-160	DAT50 x SFC8 - 160	261.75	160	36	100.9	8	21	27	M6	35	3.16
5052-651-008-200	DAT50 x SFC8 - 200	301.75	200	36	141	8	21	27	M6	35	3.33
5052-651-010-080	DAT50 x SFC10 - 80	181.75	80	42	50.9	10	24	32	M8	65	2.53
5052-651-010-130	DAT50 x SFC10 - 130	231.75	130	42	100.9	10	24	32	M8	65	2.75
5052-651-010-160	DAT50 x SFC10 - 160	261.75	160	42	100.9	10	24	32	M8	65	2.89
5052-651-010-200	DAT50 x SFC10 - 200	301.75	200	42	141	10	24	32	M8	65	3.60
5052-651-012-080	DAT50 x SFC12 - 80	181.75	80	47	50.9	12	24	32	M10	110	2.52
5052-651-012-130	DAT50 x SFC12 - 130	231.75	130	47	100.9	12	24	32	M10	110	2.74
5052-651-012-160	DAT50 x SFC12 - 160	261.75	160	47	130.9	12	24	32	M10	110	2.88
5052-651-012-200	DAT50 x SFC12 - 200	301.75	200	47	141	12	24	32	M10	110	3.59
5052-651-014-080	DAT50 x SFC14 - 80	181.75	80	47	50.9	14	27	34	M10	150	2.38
5052-651-014-130	DAT50 x SFC14 - 130	231.75	130	47	100.9	14	27	34	M10	150	2.60
5052-651-014-160	DAT50 x SFC14 - 160	261.75	160	47	100.9	14	27	34	M10	150	2.74
5052-651-014-200	DAT50 x SFC14 - 200	301.75	200	47	141	14	27	34	M10	150	3.73

Features:

- ▶ Use thermal expansion to clamp tools. High rigidity and can reach high revolution. Runout is within 5μm.
- ▶ Use with shrink fit machine.
- ▶ 4.5° design allows bigger diameter which has better rigidity. Suitable for general machining.

Product information:

- ▶ We accept special order of the design with 6 threaded holes for balance (w/o balancing screws).
- ▶ Higher balancing grade and revolution can be done upon request but additional charge is needed.
- ▶ For tool shank with h6 tolerance, such as Form HA to DIN6535 and Form A to DIN 1835-1, except that the internal hole of Shrink Fit Chuck is less than 6mm.
- ▶ AD+B type is available, please inform us when making an order.

Pull Stud	Torque Wrench Adapter (Pull Stud)	Spanner (Pull Stud)	Preset Screw
P.X-67	P.X-73、77	P.X-78	P.X-111

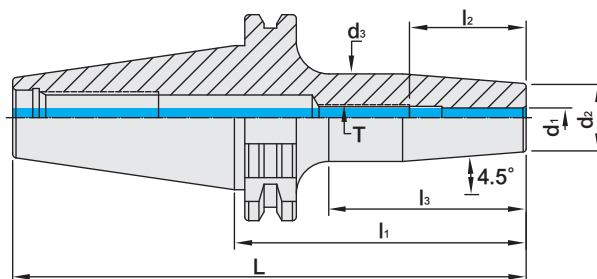


DAT / SFC SHRINK FIT CHUCK

4.5°

BALANCE
G2.5
25,000 RPM

DAT / SFC 熱膨脹刀桿



MODEL NO.	TYPE	L	l ₁	l ₂	l ₃	d ₁	d ₂	d ₃	T	TORQUE N·m min	WEIGHT (KGS)
5052-651-016-080	DAT50 x SFC16 - 80	181.75	80	50	50.9	16	27	34	M12	200	2.87
5052-651-016-130	DAT50 x SFC16 - 130	231.75	130	50	100.9	16	27	34	M12	200	3.22
5052-651-016-160	DAT50 x SFC16 - 160	261.75	160	50	100.9	16	27	34	M12	200	3.43
5052-651-016-200	DAT50 x SFC16 - 200	301.75	200	50	141	16	27	34	M12	200	3.71
5052-651-018-080	DAT50 x SFC18 - 80	181.75	80	50	57.9	18	33	42	M12	250	2.99
5052-651-018-130	DAT50 x SFC18 - 130	231.75	130	50	100.9	18	33	42	M12	250	3.55
5052-651-018-160	DAT50 x SFC18 - 160	261.75	160	50	100.9	18	33	42	M12	250	3.87
5052-651-018-200	DAT50 x SFC18 - 200	301.75	200	50	141	18	33	42	M12	250	4.30
5052-651-020-080	DAT50 x SFC20 - 80	181.75	80	52	57.9	20	33	42	M16	320	2.91
5052-651-020-130	DAT50 x SFC20 - 130	231.75	130	52	100.9	20	33	42	M16	320	3.25
5052-651-020-160	DAT50 x SFC20 - 160	261.75	160	52	100.9	20	33	42	M16	320	3.57
5052-651-020-200	DAT50 x SFC20 - 200	301.75	200	52	141	20	33	42	M16	320	4.27
5052-651-025-100	DAT50 x SFC25 - 100	201.75	100	58	70.9	25	44	53	M20	500	3.59
5052-651-025-130	DAT50 x SFC25 - 130	231.75	130	58	100.9	25	44	53	M20	500	4.10
5052-651-025-160	DAT50 x SFC25 - 160	261.75	160	58	100.9	25	44	53	M20	500	4.61
5052-651-025-200	DAT50 x SFC25 - 200	301.75	200	58	141	25	44	53	M20	500	5.29
5052-651-032-100	DAT50 x SFC32 - 100	201.75	100	58	70.9	32	44	53	M20	550	3.45

Features:

- ▶ Use thermal expansion to clamp tools. High rigidity and can reach high revolution. Runout is within 5μm.
- ▶ Use with shrink fit machine.
- ▶ 4.5° design allows bigger diameter which has better rigidity. Suitable for general machining.

Product information:

- ▶ We accept special order of the design with 6 threaded holes for balance (w/o balancing screws).
- ▶ Higher balancing grade and revolution can be done upon request but additional charge is needed.
- ▶ For tool shank with h6 tolerance, such as Form HA to DIN6535 and Form A to DIN 1835-1, except that the internal hole of Shrink Fit Chuck is less than 6mm.
- ▶ AD+B type is available, please inform us when making an order.

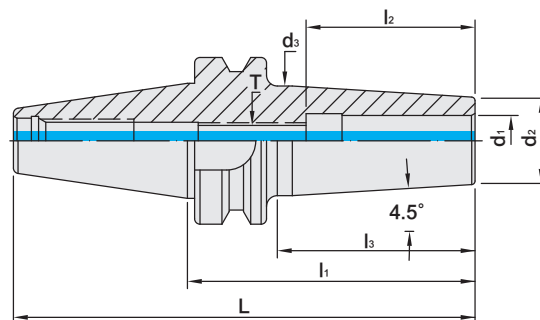
Pull Stud	Torque Wrench Adapter (Pull Stud)	Spanner (Pull Stud)	Preset Screw
			
P.X-67	P.X-73、77	P.X-78	P.X-111



SBT / SFC SHRINK FIT CHUCK



SBT / SFC 法蘭加厚型熱膨脹刀桿



MODEL NO.	TYPE	L	l ₁	l ₂	l ₃	d ₁	d ₂	d ₃	T	TORQUE N·m min	WEIGHT (KGS)
5025-651-006-060	SBT30 x SFC6 - 60	108.4	60	36	33	6	23	-	M5	18	0.70
5025-651-006-080	SBT30 x SFC6 - 80	128.4	80	36	53	6	21	27	M5	18	0.86
5025-651-008-060	SBT30 x SFC8 - 60	108.4	60	36	33	8	23	-	M6	35	0.52
5025-651-008-080	SBT30 x SFC8 - 80	128.4	80	36	53	8	21	27	M6	35	0.58
5025-651-010-060	SBT30 x SFC10 - 60	108.4	60	42	35	10	27	-	M8	65	0.52
5025-651-010-080	SBT30 x SFC10 - 80	128.4	80	42	53	10	24	32	M8	65	0.64
5025-651-012-060	SBT30 x SFC12 - 60	108.4	60	47	36	12	27	-	M10	110	0.52
5025-651-012-080	SBT30 x SFC12 - 80	128.4	80	47	53	12	24	32	M10	110	0.62
5025-651-014-065	SBT30 x SFC14 - 65	113.4	65	47	41	14	30	-	M10	150	0.57
5025-651-014-080	SBT30 x SFC14 - 80	128.4	80	47	55	14	27	34	M10	150	0.69
5025-651-016-065	SBT30 x SFC16 - 65	113.4	65	50	41	16	30	-	M12	200	0.55
5025-651-016-080	SBT30 x SFC16 - 80	128.4	80	50	55	16	27	34	M12	200	0.65
5025-651-018-070	SBT30 x SFC18 - 70	118.4	70	50	46	18	35.5	40.5	M12	250	0.72
5025-651-018-090	SBT30 x SFC18 - 90	138.4	90	50	66	18	33	40.5	M12	250	0.87
5025-651-020-070	SBT30 x SFC20 - 70	118.4	70	52	46	20	35.5	40.5	M16	320	0.70
5025-651-020-090	SBT30 x SFC20 - 90	138.4	90	52	66	20	33	40.5	M16	320	0.81

Features:

- ▶ Use thermal expansion to clamp tools. High rigidity and can reach high revolution. Runout is within 5μm.
- ▶ Use with shrink fit machine.
- ▶ 4.5° design allows bigger diameter which has better rigidity. Suitable for general machining.

Product information:

- ▶ We accept special order of the design with 6 threaded holes for balance (w/o balancing screws).
- ▶ Higher balancing grade and revolution can be done upon request but additional charge is needed.
- ▶ For tool shank with h6 tolerance, such as Form HA to DIN6535 and Form A to DIN 1835-1, except that the internal hole of Shrink Fit Chuck is less than 6mm.
- ▶ SBT30 tool holders are without coolant supply over collars.

Pull Stud	Torque Wrench Adapter (Pull Stud)	Spanner (Pull Stud)	Preset Screw
P.X-64~65	P.X-73、77	P.X-78	P.X-111



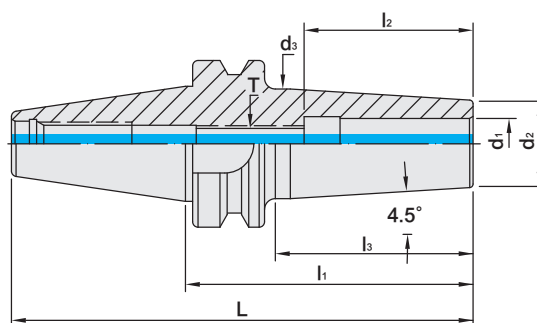
SBT / SFC SHRINK FIT CHUCK

Dual
DRIVE+

4.5°

BALANCE
G2.5
25,000 RPM

SBT / SFC 法蘭加厚型熱膨脹刀桿



MODEL NO.	TYPE	L	l ₁	l ₂	l ₃	d ₁	d ₂	d ₃	T	TORQUE N·m min	WEIGHT (KGS)
5026-651-003-090	SBT40 x SFC3 - 90	155.4	90	18	53	3	10	18.4	M6	18	0.98
5026-651-004-090	SBT40 x SFC4 - 90	155.4	90	20	53	4	10	18.4	M6	18	1.01
5026-651-006-090	SBT40 x SFC6 - 90	155.4	90	36	53	6	21	27	M5	18	1.23
5026-651-006-130	SBT40 x SFC6 - 130	195.4	130	36	93	6	21	27	M5	18	1.41
5026-651-006-160	SBT40 x SFC6 - 160	225.4	160	36	123	6	21	27	M5	18	1.54
5026-651-006-200	SBT40 x SFC6 - 200	265.4	200	36	163	6	21	27	M5	18	1.72
5026-651-008-090	SBT40 x SFC8 - 90	155.4	90	36	53	8	21	27	M6	35	1.23
5026-651-008-130	SBT40 x SFC8 - 130	195.4	130	36	93	8	21	27	M6	35	1.41
5026-651-008-160	SBT40 x SFC8 - 160	225.4	160	36	123	8	21	27	M6	35	1.54
5026-651-008-200	SBT40 x SFC8 - 200	265.4	200	36	163	8	21	27	M6	35	1.72
5026-651-010-090	SBT40 x SFC10 - 90	155.4	90	42	58	10	24	32	M8	65	1.48
5026-651-010-130	SBT40 x SFC10 - 130	195.4	130	42	93	10	24	32	M8	65	1.66
5026-651-010-160	SBT40 x SFC10 - 160	225.4	160	42	123	10	24	32	M8	65	1.79
5026-651-010-200	SBT40 x SFC10 - 200	265.4	200	42	163	10	24	32	M8	65	1.97
5026-651-012-090	SBT40 x SFC12 - 90	155.4	90	47	58	12	24	32	M10	110	1.68
5026-651-012-130	SBT40 x SFC12 - 130	195.4	130	47	93	12	24	32	M10	110	1.86
5026-651-012-160	SBT40 x SFC12 - 160	225.4	160	47	123	12	24	32	M10	110	1.99
5026-651-012-200	SBT40 x SFC12 - 200	265.4	200	47	163	12	24	32	M10	110	2.17
5026-651-014-090	SBT40 x SFC14 - 90	155.4	90	47	53	14	27	34	M10	150	1.76
5026-651-014-130	SBT40 x SFC14 - 130	195.4	130	47	93	14	27	34	M10	150	1.94
5026-651-014-160	SBT40 x SFC14 - 160	225.4	160	47	123	14	27	34	M10	150	2.07
5026-651-014-200	SBT40 x SFC14 - 200	265.4	200	47	163	14	27	34	M10	150	2.25

Features:

- ▶ Use thermal expansion to clamp tools. High rigidity and can reach high revolution. Runout is within 5μm.
- ▶ Use with shrink fit machine.
- ▶ 4.5° design allows bigger diameter which has better rigidity. Suitable for general machining.

Product information:

- ▶ We accept special order of the design with 6 threaded holes for balance (w/o balancing screws).
- ▶ Higher balancing grade and revolution can be done upon request but additional charge is needed.
- ▶ For tool shank with h6 tolerance, such as Form HA to DIN6535 and Form A to DIN 1835-1, except that the internal hole of Shrink Fit Chuck is less than 6mm.
- ▶ AD+B type is available, please inform us when making an order.

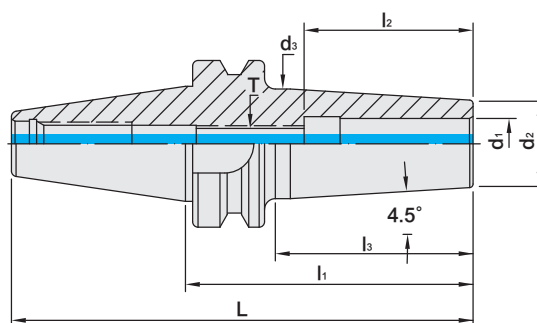
Pull Stud	Torque Wrench Adapter (Pull Stud)	Spanner (Pull Stud)	Preset Screw
P.X-64~65	P.X-73、77	P.X-78	P.X-111



SBT / SFC SHRINK FIT CHUCK



SBT / SFC 法蘭加厚型熱膨脹刀桿



MODEL NO.	TYPE	L	l ₁	l ₂	l ₃	d ₁	d ₂	d ₃	T	TORQUE N·m min	WEIGHT (KGS)
5026-651-016-090	SBT40 x SFC16 - 90	155.4	90	50	58	16	27	34	M12	200	1.57
5026-651-016-130	SBT40 x SFC16 - 130	195.4	130	50	93	16	27	34	M12	200	1.75
5026-651-016-160	SBT40 x SFC16 - 160	225.4	160	50	123	16	27	34	M12	200	1.91
5026-651-016-200	SBT40 x SFC16 - 200	265.4	200	50	163	16	27	34	M12	200	2.06
5026-651-018-090	SBT40 x SFC18 - 90	155.4	90	50	58	18	33	42	M12	250	2.12
5026-651-018-130	SBT40 x SFC18 - 130	195.4	130	50	98	18	33	42	M12	250	2.31
5026-651-018-160	SBT40 x SFC18 - 160	225.4	160	50	128	18	33	42	M12	250	2.46
5026-651-018-200	SBT40 x SFC18 - 200	265.4	200	50	168	18	33	42	M12	250	2.61
5026-651-019-090	SBT40 x SFC19 - 90	155.4	90	60	61.5	19	33	42	M16	250	1.35
5026-651-020-090	SBT40 x SFC20 - 90	155.4	90	52	58	20	33	42	M16	320	2.09
5026-651-020-130	SBT40 x SFC20 - 130	195.4	130	52	98	20	33	42	M16	320	2.28
5026-651-020-160	SBT40 x SFC20 - 160	225.4	160	52	128	20	33	42	M16	320	2.43
5026-651-020-200	SBT40 x SFC20 - 200	265.4	200	52	168	20	33	42	M16	320	2.57
5026-651-024-090	SBT40 x SFC24 - 90	155.4	90	72	61.5	24	44	53	M20	500	1.59
5026-651-025-100	SBT40 x SFC25 - 100	165.4	100	58	71	25	44	53	M20	500	1.83
5026-651-025-130	SBT40 x SFC25 - 130	195.4	130	58	101	25	44	53	M20	500	2.34
5026-651-025-160	SBT40 x SFC25 - 160	225.4	160	58	131	25	44	53	M20	500	2.85
5026-651-025-200	SBT40 x SFC25 - 200	265.4	200	58	171	25	44	53	M20	500	3.53
5026-651-032-100	SBT40 x SFC32 - 100	165.4	100	58	71	32	44	53	M20	550	1.69
5026-651-032-130	SBT40 x SFC32 - 130	195.4	130	58	101	32	44	53	M20	550	2.21
5026-651-032-160	SBT40 x SFC32 - 160	225.4	160	58	131	32	44	53	M20	550	2.71
5026-651-032-200	SBT40 x SFC32 - 200	265.4	200	58	171	32	44	53	M20	550	3.39

Features:

- ▶ Use thermal expansion to clamp tools. High rigidity and can reach high revolution. Runout is within 5μm.
- ▶ Use with shrink fit machine.
- ▶ 4.5° design allows bigger diameter which has better rigidity. Suitable for general machining.

Product information:

- ▶ We accept special order of the design with 6 threaded holes for balance (w/o balancing screws).
- ▶ Higher balancing grade and revolution can be done upon request but additional charge is needed.
- ▶ For tool shank with h6 tolerance, such as Form HA to DIN6535 and Form A to DIN 1835-1, except that the internal hole of Shrink Fit Chuck is less than 6mm.
- ▶ AD+B type is available, please inform us when making an order.

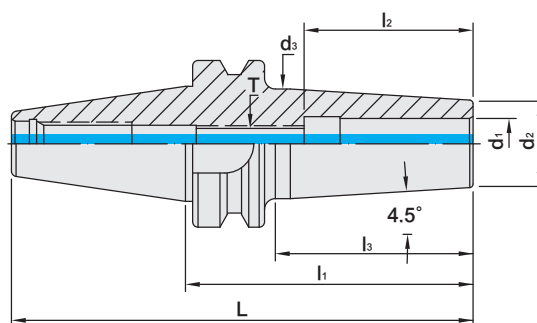
Pull Stud	Torque Wrench Adapter (Pull Stud)	Spanner (Pull Stud)	Preset Screw
P.X-64~65	P.X-73、77	P.X-78	P.X-111



SBT / SFC SHRINK FIT CHUCK



SBT / SFC 法蘭加厚型熱膨脹刀桿



MODEL NO.	TYPE	L	l ₁	l ₂	l ₃	d ₁	d ₂	d ₃	T	TORQUE N·m min	WEIGHT (KGS)
5027-651-006-100	SBT50 x SFC6 - 100	201.8	100	36	52	6	21	27	M5	18	3.75
5027-651-006-130	SBT50 x SFC6 - 130	231.8	130	36	82	6	21	27	M5	18	3.94
5027-651-006-160	SBT50 x SFC6 - 160	261.8	160	36	82	6	21	27	M5	18	4.07
5027-651-006-200	SBT50 x SFC6 - 200	301.8	200	36	122	6	21	27	M5	18	4.24
5027-651-008-100	SBT50 x SFC8 - 100	201.8	100	36	52	8	21	27	M6	35	3.74
5027-651-008-130	SBT50 x SFC8 - 130	231.8	130	36	82	8	21	27	M6	35	3.93
5027-651-008-160	SBT50 x SFC8 - 160	261.8	160	36	82	8	21	27	M6	35	4.06
5027-651-008-200	SBT50 x SFC8 - 200	301.8	200	36	122	8	21	27	M6	35	4.23
5027-651-010-100	SBT50 x SFC10 - 100	201.8	100	42	52	10	24	32	M8	65	3.82
5027-651-010-130	SBT50 x SFC10 - 130	231.8	130	42	82	10	24	32	M8	65	4.05
5027-651-010-160	SBT50 x SFC10 - 160	261.8	160	42	82	10	24	32	M8	65	4.18
5027-651-010-200	SBT50 x SFC10 - 200	301.8	200	42	122	10	24	32	M8	65	4.35
5027-651-012-100	SBT50 x SFC12 - 100	201.8	100	47	52	12	24	32	M10	110	3.81
5027-651-012-130	SBT50 x SFC12 - 130	231.8	130	47	82	12	24	32	M10	110	4.04
5027-651-012-160	SBT50 x SFC12 - 160	261.8	160	47	82	12	24	32	M10	110	4.17
5027-651-012-200	SBT50 x SFC12 - 200	301.8	200	47	122	12	24	32	M10	110	4.34
5027-651-014-100	SBT50 x SFC14 - 100	201.8	100	47	52	14	27	34	M10	150	3.88
5027-651-014-130	SBT50 x SFC14 - 130	231.8	130	47	82	14	27	34	M10	150	4.11
5027-651-014-160	SBT50 x SFC14 - 160	261.8	160	47	82	14	27	34	M10	150	4.24
5027-651-014-200	SBT50 x SFC14 - 200	301.8	200	47	122	14	27	34	M10	150	4.41

Features:

- ▶ Use thermal expansion to clamp tools. High rigidity and can reach high revolution. Runout is within 5μm.
- ▶ Use with shrink fit machine.
- ▶ 4.5° design allows bigger diameter which has better rigidity. Suitable for general machining.

Product information:

- ▶ We accept special order of the design with 6 threaded holes for balance (w/o balancing screws).
- ▶ Higher balancing grade and revolution can be done upon request but additional charge is needed.
- ▶ For tool shank with h6 tolerance, such as Form HA to DIN6535 and Form A to DIN 1835-1, except that the internal hole of Shrink Fit Chuck is less than 6mm.
- ▶ AD+B type is available, please inform us when making an order.

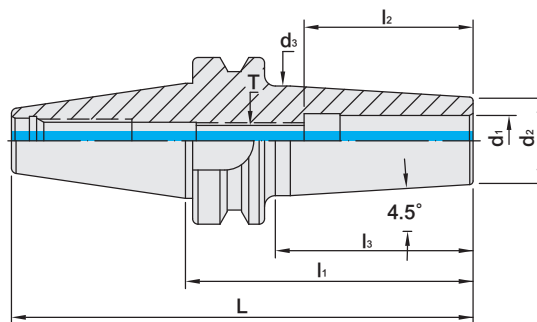
Pull Stud	Torque Wrench Adapter (Pull Stud)	Spanner (Pull Stud)	Preset Screw
P.X-64~65	P.X-73、77	P.X-78	P.X-111



SBT / SFC SHRINK FIT CHUCK



SBT / SFC 法蘭加厚型熱膨脹刀桿



MODEL NO.	TYPE	L	l ₁	l ₂	l ₃	d ₁	d ₂	d ₃	T	TORQUE N·m min	WEIGHT (KGS)
5027-651-016-100	SBT50 x SFC16 - 100	201.8	100	50	52	16	27	34	M12	200	3.90
5027-651-016-130	SBT50 x SFC16 - 130	231.8	130	50	82	16	27	34	M12	200	4.09
5027-651-016-160	SBT50 x SFC16 - 160	261.8	160	50	82	16	27	34	M12	200	4.26
5027-651-016-200	SBT50 x SFC16 - 200	301.8	200	50	122	16	27	34	M12	200	4.43
5027-651-018-100	SBT50 x SFC18 - 100	201.8	100	50	52	18	33	42	M12	250	4.15
5027-651-018-130	SBT50 x SFC18 - 130	231.8	130	50	82	18	33	42	M12	250	4.34
5027-651-018-160	SBT50 x SFC18 - 160	261.8	160	50	82	18	33	42	M12	250	4.51
5027-651-018-200	SBT50 x SFC18 - 200	301.8	200	50	122	18	33	42	M12	250	4.68
5027-651-019-100	SBT50 x SFC19 - 100	201.8	100	60	60	19	33	42	M16	250	4.00
5027-651-020-100	SBT50 x SFC20 - 100	201.8	100	52	52	20	33	42	M16	320	4.07
5027-651-020-130	SBT50 x SFC20 - 130	231.8	130	52	82	20	33	42	M16	320	4.32
5027-651-020-160	SBT50 x SFC20 - 160	261.8	160	52	82	20	33	42	M16	320	4.53
5027-651-020-200	SBT50 x SFC20 - 200	301.8	200	52	122	20	33	42	M16	320	4.70
5027-651-024-100	SBT50 x SFC24 - 100	201.8	100	72	60	24	44	53	M20	500	4.21
5027-651-025-100	SBT50 x SFC25 - 100	201.8	100	58	52	25	44	53	M20	500	4.53
5027-651-025-130	SBT50 x SFC25 - 130	231.8	130	58	82	25	44	53	M20	500	4.78
5027-651-025-160	SBT50 x SFC25 - 160	261.8	160	58	82	25	44	53	M20	500	4.99
5027-651-025-200	SBT50 x SFC25 - 200	301.8	200	58	122	25	44	53	M20	500	5.16
5027-651-032-100	SBT50 x SFC32 - 100	201.8	100	58	52	32	44	53	M20	550	4.38
5027-651-032-130	SBT50 x SFC32 - 130	231.8	130	58	82	32	44	53	M20	550	4.63
5027-651-032-160	SBT50 x SFC32 - 160	261.8	160	58	82	32	44	53	M20	550	4.84
5027-651-032-200	SBT50 x SFC32 - 200	301.8	200	58	122	32	44	53	M20	550	5.01

Features:

- ▶ Use thermal expansion to clamp tools. High rigidity and can reach high revolution. Runout is within 5μm.
- ▶ Use with shrink fit machine.
- ▶ 4.5° design allows bigger diameter which has better rigidity. Suitable for general machining.

Product information:

- ▶ We accept special order of the design with 6 threaded holes for balance (w/o balancing screws).
- ▶ Higher balancing grade and revolution can be done upon request but additional charge is needed.
- ▶ For tool shank with h6 tolerance, such as Form HA to DIN6535 and Form A to DIN 1835-1, except that the internal hole of Shrink Fit Chuck is less than 6mm.
- ▶ AD+B type is available, please inform us when making an order.

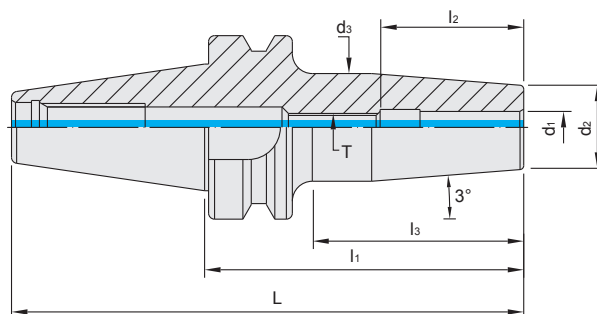
Pull Stud	Torque Wrench Adapter (Pull Stud)	Spanner (Pull Stud)	Preset Screw
P.X-64~65	P.X-73、77	P.X-78	P.X-111



SBT / SFCT SHRINK FIT CHUCK



SBT / SFCT 法蘭加厚型熱膨脹刀桿



MODEL NO.	TYPE	L	l ₁	l ₂	l ₃	d ₁	d ₂	d ₃	T	TORQUE N·m min	WEIGHT (KGS)
5025-793-004-080	SBT30 x SFCT4 - 80	128.4	80	20	48	4	10	15	M6	18	0.42
5025-793-005-080	SBT30 x SFCT5 - 80	128.4	80	20	53	5	16	19	M6	18	0.54
5025-793-006-080	SBT30 x SFCT6 - 80	128.4	80	36	53	6	21	26	M5	18	0.64
5025-793-008-080	SBT30 x SFCT8 - 80	128.4	80	36	53	8	21	26	M6	35	0.56
5025-793-010-080	SBT30 x SFCT10 - 80	128.4	80	42	53	10	24	29	M8	65	0.66
5025-793-012-080	SBT30 x SFCT12 - 80	128.4	80	47	53	12	24	29	M10	110	0.66
5025-793-014-080	SBT30 x SFCT14 - 80	128.4	80	47	46	14	24	32	M10	150	0.58
5025-793-016-080	SBT30 x SFCT16 - 80	128.4	80	50	55	16	27	32	M12	200	0.60
5025-793-018-090	SBT30 x SFCT18 - 90	138.4	90	50	66	18	33	38	M12	250	0.80
5025-793-020-090	SBT30 x SFCT20 - 90	138.4	90	52	66	20	33	38	M16	320	0.76
5025-793-025-100	SBT30 x SFCT25 - 100	148.4	100	58	78	25	44	49	M20	500	1.17
5026-793-003-090	SBT40 x SFCT3 - 90	155.4	90	18	53	3	9	14.6	M6	18	0.99
5026-793-004-090	SBT40 x SFCT4 - 90	155.4	90	20	53	4	10	15.6	M6	18	1.01
5026-793-005-090	SBT40 x SFCT5 - 90	155.4	90	20	58	5	16	21	M6	18	1.07
5026-793-006-090	SBT40 x SFCT6 - 90	155.4	90	36	58	6	21	26	M5	18	1.15
5026-793-008-090	SBT40 x SFCT8 - 90	155.4	90	36	58	8	21	26	M6	35	1.15
5026-793-010-090	SBT40 x SFCT10 - 90	155.4	90	42	58	10	24	29	M8	65	1.20
5026-793-012-090	SBT40 x SFCT12 - 90	155.4	90	47	58	12	24	29	M10	110	1.19
5026-793-014-090	SBT40 x SFCT14 - 90	155.4	90	47	58	14	27	32	M10	150	1.24
5026-793-016-090	SBT40 x SFCT16 - 90	155.4	90	50	58	16	27	32	M12	200	1.21
5026-793-018-100	SBT40 x SFCT18 - 100	165.4	100	50	68	18	33	38	M12	250	1.42
5026-793-020-100	SBT40 x SFCT20 - 100	165.4	100	52	68	20	33	38	M16	320	1.38
5026-793-025-100	SBT40 x SFCT25 - 100	165.4	100	58	71	25	44	49	M20	500	1.66
5026-793-032-100	SBT40 x SFCT32 - 100	165.4	100	58	71	32	44	49	M20	550	1.52

Features:

- Use thermal expansion to clamp tools. High rigidity and can reach high revolution. Runout is within 5μm.
- Use with shrink fit machine.
- 4.5° design allows bigger diameter which has better rigidity. Suitable for general machining.

Product information:

- We accept special order of the design with 6 threaded holes for balance (w/o balancing screws).
- Higher balancing grade and revolution can be done upon request but additional charge is needed.
- For tool shank with h6 tolerance, such as Form HA to DIN6535 and Form A to DIN 1835-1, except that the internal hole of Shrink Fit Chuck is less than 6mm.
- SBT30 tool holders are without coolant supply over collars.
- AD+B type is available, please inform us when making an order.

Pull Stud	Torque Wrench Adapter (Pull Stud)	Spanner (Pull Stud)	Preset Screw
P.X-64~65	P.X-73、77	P.X-78	P.X-111



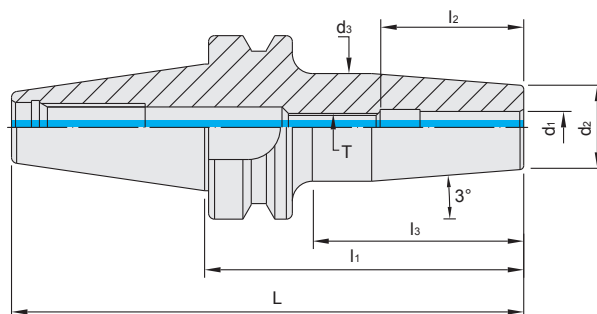
SBT / SFCT SHRINK FIT CHUCK

Dual
DRIVE+

3°

BALANCE
G2.5
25,000 RPM

SBT / SFCT 法蘭加厚型熱膨脹刀桿



MODEL NO.	TYPE	L	l ₁	l ₂	l ₃	d ₁	d ₂	d ₃	T	TORQUE N·m min	WEIGHT (KGS)
5027-793-004-100	SBT50 x SFCT4 - 100	201.8	100	20	52	4	10	15.6	M6	18	3.86
5027-793-005-100	SBT50 x SFCT5 - 100	201.8	100	20	57	5	16	21	M6	18	3.86
5027-793-006-100	SBT50 x SFCT6 - 100	201.8	100	36	57	6	21	26	M5	18	3.92
5027-793-008-100	SBT50 x SFCT8 - 100	201.8	100	36	52	8	21	26	M6	35	3.92
5027-793-010-100	SBT50 x SFCT10 - 100	201.8	100	42	58	10	24	29	M8	65	3.90
5027-793-012-100	SBT50 x SFCT12 - 100	201.8	100	47	52	12	24	29	M10	110	3.94
5027-793-014-100	SBT50 x SFCT14 - 100	201.8	100	47	57	14	27	32	M10	150	4.02
5027-793-016-100	SBT50 x SFCT16 - 100	201.8	100	50	52	16	27	32	M12	200	3.96
5027-793-018-110	SBT50 x SFCT18 - 110	211.8	110	50	62	18	33	38	M12	250	4.18
5027-793-020-110	SBT50 x SFCT20 - 110	211.8	110	52	67	20	33	38	M16	320	4.14
5027-793-025-110	SBT50 x SFCT25 - 110	211.8	110	58	67	25	44	49	M20	500	4.46
5027-793-032-110	SBT50 x SFCT32 - 110	211.8	110	58	67	32	44	49	M20	550	4.30

Features:

- ▶ Use thermal expansion to clamp tools. High rigidity and can reach high revolution. Runout is within 5μm.
- ▶ Use with shrink fit machine.
- ▶ 4.5° design allows bigger diameter which has better rigidity. Suitable for general machining.

Product information:

- ▶ We accept special order of the design with 6 threaded holes for balance (w/o balancing screws).
- ▶ Higher balancing grade and revolution can be done upon request but additional charge is needed.
- ▶ For tool shank with h6 tolerance, such as Form HA to DIN6535 and Form A to DIN 1835-1, except that the internal hole of Shrink Fit Chuck is less than 6mm.
- ▶ AD+B type is available, please inform us when making an order.

Pull Stud	Torque Wrench Adapter (Pull Stud)	Spanner (Pull Stud)	Preset Screw
			
P.X-64~65	P.X-73、77	P.X-78	P.X-111

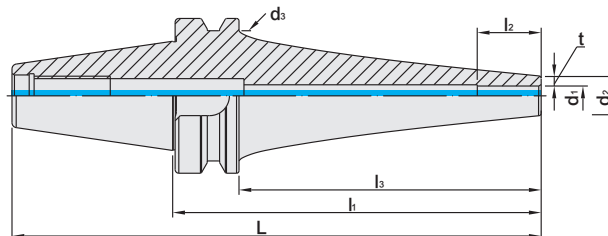


SBT / SFC SHRINK FIT CHUCK

CUL TYPE



SBT / SFC 法蘭加厚型熱膨脹刀桿 [CUL型]



MODEL NO.	TYPE	L	l ₁	l ₂	l ₃	d ₁	d ₂	d ₃	t	WEIGHT (KGS)
5026-768-004-150	SBT40 x SFC4 - 150CUL	215.4	150	10	123	4	10	53	3	1.4
5026-768-004-200	SBT40 x SFC4 - 200CUL	265.4	200	10	173	4	10	53	3	1.7
5026-768-004-250	SBT40 x SFC4 - 250CUL	315.4	250	10	223	4	10	53	3	2.2
5026-768-006-150	SBT40 x SFC6 - 150CUL	215.4	150	26	123	6	13	53	3.5	1.5
5026-768-006-200	SBT40 x SFC6 - 200CUL	265.4	200	26	173	6	13	53	3.5	1.7
5026-768-008-150	SBT40 x SFC8 - 150CUL	215.4	150	26	123	8	16	53	4	1.6
5026-768-008-200	SBT40 x SFC8 - 200CUL	265.4	200	26	173	8	16	53	4	1.8
5026-768-008-250	SBT40 x SFC8 - 250CUL	315.4	250	26	223	8	16	53	4	2.0
5026-768-010-150	SBT40 x SFC10 - 150CUL	215.4	150	32	123	10	19	53	4.5	1.6
5026-768-010-200	SBT40 x SFC10 - 200CUL	265.4	200	32	173	10	19	53	4.5	1.8
5026-768-010-250	SBT40 x SFC10 - 250CUL	315.4	250	32	223	10	19	53	4.5	2.0
5026-768-012-150	SBT40 x SFC12 - 150CUL	215.4	150	37	123	12	22	53	5	1.7
5026-768-012-200	SBT40 x SFC12 - 200CUL	265.4	200	37	173	12	22	53	5	1.8
5026-768-012-250	SBT40 x SFC12 - 250CUL	315.4	250	37	223	12	22	53	5	2.0

Features:

- ▶ CUL type increases rigidity and avoids interference.
- ▶ The most ideal tool holder design for 5 axis machining center.
- ▶ The design of slim nose and short overhanging length of cutter extend tool use life.
- ▶ The design of thick neck improves the rigidity during machining and product quality.

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.

Pull Stud	Torque Wrench Adapter (Pull Stud)	Spanner (Pull Stud)
P.X-64~65	P.X-73、77	P.X-78

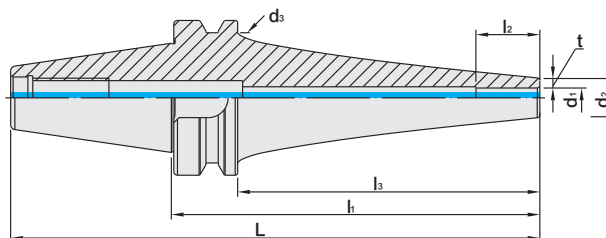


SBT / SFC SHRINK FIT CHUCK

CUL TYPE



SBT / SFC 法蘭加厚型熱膨脹刀桿 [CUL型]



MODEL NO.	TYPE	L	l ₁	l ₂	l ₃	d ₁	d ₂	d ₃	t	WEIGHT (KGS)
5027-768-004-150	SBT50 x SFC4 - 150CUL	251.8	150	10	112	4	19	85	3	5.3
5027-768-004-200	SBT50 x SFC4 - 200CUL	301.8	200	10	162	4	19	85	3	5.8
5027-768-004-250	SBT50 x SFC4 - 250CUL	351.8	250	10	212	4	19	85	3	6.3
5027-768-004-300	SBT50 x SFC4 - 300CUL	401.8	300	10	262	4	19	85	3	6.7
5027-768-006-150	SBT50 x SFC6 - 150CUL	251.8	150	26	112	6	13	85	3.5	5.3
5027-768-006-200	SBT50 x SFC6 - 200CUL	301.8	200	26	162	6	13	85	3.5	5.9
5027-768-006-250	SBT50 x SFC6 - 250CUL	351.8	250	26	212	6	13	85	3.5	6.4
5027-768-006-300	SBT50 x SFC6 - 300CUL	401.8	300	26	262	6	13	85	3.5	6.8
5027-768-008-150	SBT50 x SFC8 - 150CUL	251.8	150	26	112	8	16	85	4	4.9
5027-768-008-200	SBT50 x SFC8 - 200CUL	301.8	200	26	162	8	16	85	4	5.5
5027-768-008-250	SBT50 x SFC8 - 250CUL	351.8	250	26	212	8	16	85	4	5.8
5027-768-008-300	SBT50 x SFC8 - 300CUL	401.8	300	26	262	8	16	85	4	6.1
5027-768-010-150	SBT50 x SFC10 - 150CUL	251.8	150	32	112	10	19	85	4.5	5.1
5027-768-010-200	SBT50 x SFC10 - 200CUL	301.8	200	32	162	10	19	85	4.5	5.4
5027-768-010-250	SBT50 x SFC10 - 250CUL	351.8	250	32	212	10	19	85	4.5	6.1
5027-768-010-300	SBT50 x SFC10 - 300CUL	401.8	300	32	262	10	19	85	4.5	6.4
5027-768-012-150	SBT50 x SFC12 - 150CUL	251.8	150	37	112	12	22	85	5	5.1
5027-768-012-200	SBT50 x SFC12 - 200CUL	301.8	200	37	162	12	22	85	5	5.6
5027-768-012-250	SBT50 x SFC12 - 250CUL	351.8	250	37	212	12	22	85	5	5.8
5027-768-012-300	SBT50 x SFC12 - 300CUL	401.8	300	37	262	12	22	85	5	6.3

Features:

- ▶ CUL type increases rigidity and avoids interference.
- ▶ The most ideal tool holder design for 5 axis machining center.
- ▶ The design of slim nose and short overhanging length of cutter extend tool use life.
- ▶ The design of thick neck improves the rigidity during machining and product quality.

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.

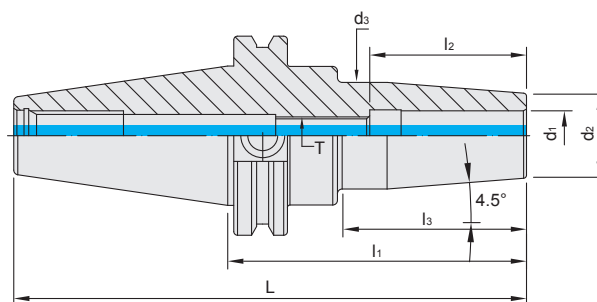
Pull Stud	Torque Wrench Adapter (Pull Stud)	Spanner (Pull Stud)
		
P.X-64~65	P.X-73、77	P.X-78



SCAT / SFC SHRINK FIT CHUCK



SCAT / SFC 法蘭加厚型熱膨脹刀桿



INCHES

MODEL NO.	TYPE	L	l ₁	l ₂	l ₃	d ₁	d ₂	d ₃	T	WEIGHT (KGS)
5043-651-A08-350	SCAT40 x SFC1/8" - 3.5"	6.187	3.5	0.79	1.76	0.125	0.36	0.64	M6	1.03
5043-651-A08-500	SCAT40 x SFC1/8" - 5"	7.687	5	0.79	3.56	0.125	0.36	0.87	-	1.11
5043-651-A12-350	SCAT40 x SFC3/16" - 3.5"	6.187	3.5	0.79	1.76	0.1875	0.43	0.7	M6	1.04
5043-651-A12-500	SCAT40 x SFC3/16" - 5"	7.687	5	0.79	3.23	0.1875	0.43	0.71	-	1.10
5043-651-A16-300	SCAT40 x SFC1/4" - 3"	5.687	3	1.42	1.56	0.25	0.71	0.95	M5	1.09
5043-651-A16-350	SCAT40 x SFC1/4" - 3.5"	6.187	3.5	1.42	2	0.25	0.71	0.95	M5	1.12
5043-651-A16-500	SCAT40 x SFC1/4" - 5"	7.687	5	1.42	3.12	0.25	0.71	1.06	M5	1.29
5043-651-A16-600	SCAT40 x SFC1/4" - 6"	8.687	6	1.42	4.44	0.25	0.71	1.38	M5	1.49
5043-651-A20-350	SCAT40 x SFC5/16" - 3.5"	6.187	3.5	1.42	2.06	0.3125	0.78	1.06	M6	1.14
5043-651-A20-500	SCAT40 x SFC5/16" - 5"	7.687	5	1.42	3.12	0.3125	0.78	1.06	M6	1.30
5043-651-A24-300	SCAT40 x SFC3/8" - 3"	5.687	3	1.65	1.56	0.375	0.94	1.18	M8	1.15
5043-651-A24-375	SCAT40 x SFC3/8" - 3.75"	6.437	3.75	1.65	2.31	0.375	0.94	1.26	M8	1.24
5043-651-A24-500	SCAT40 x SFC3/8" - 5"	7.687	5	1.65	3.5	0.375	0.94	1.38	M8	1.46
5043-651-A24-600	SCAT40 x SFC3/8" - 6"	8.687	6	1.65	4.44	0.375	0.94	1.38	M8	1.66
5043-651-A32-300	SCAT40 x SFC1/2" - 3"	5.687	3	1.85	1.56	0.5	1.1	1.34	M10	1.19
5043-651-A32-375	SCAT40 x SFC1/2" - 3.75"	6.437	3.75	1.85	2.31	0.5	1.1	1.34	M10	1.30
5043-651-A32-500	SCAT40 x SFC1/2" - 5"	7.687	5	1.85	3.44	0.5	1.1	1.38	M10	1.52
5043-651-A32-600	SCAT40 x SFC1/2" - 6"	8.687	6	1.85	4.36	0.5	1.1	1.38	M10	1.68
5043-651-A40-375	SCAT40 x SFC5/8" - 3.75"	6.437	3.75	1.97	2.17	0.625	1.06	1.34	M12	1.27
5043-651-A48-300	SCAT40 x SFC3/4" - 3"	5.687	3	2.04	1.62	0.75	1.42	1.65	M16	1.24
5043-651-A48-400	SCAT40 x SFC3/4" - 4"	6.687	4	2.04	2.62	0.75	1.42	1.65	M16	1.49
5043-651-A48-500	SCAT40 x SFC3/4" - 5"	7.687	5	2.04	3.44	0.75	1.42	1.38	M16	1.48
5043-651-A48-600	SCAT40 x SFC3/4" - 6"	8.687	6	2.04	4.44	0.75	1.42	1.38	M16	1.64
5043-651-A64-300	SCAT40 x SFC1" - 3"	5.687	3	2.28	1.47	1	1.81	2.04	M20	1.34
5043-651-A64-400	SCAT40 x SFC1" - 4"	6.687	4	2.28	2.45	1	1.81	2.09	M20	1.73
5043-651-A64-600	SCAT40 x SFC1" - 6"	8.687	6	2.28	4.37	1	1.81	2.09	M20	2.51
5043-651-A72-400	SCAT40 x SFC1-1/4" - 4"	6.687	4	2.28	2.45	1.25	1.81	2.09	M20	1.60

Features:

- ▶ Use thermal expansion to clamp tools. High rigidity and can reach high revolution. Runout is within 5µm.
- ▶ Use with shrink fit machine.
- ▶ 4.5° design allows bigger diameter which has better rigidity. Suitable for general machining.

Product information:

- ▶ We accept special order of the design with 6 threaded holes for balance (w/o balancing screws).
- ▶ Higher balancing grade and revolution can be done upon request but additional charge is needed.
- ▶ For tool shank with h6 tolerance, such as Form HA to DIN6535 and Form A to DIN 1835-1, except that the internal hole of Shrink Fit Chuck is less than 6mm.
- ▶ AD+B type is available, please inform us when making an order.

Pull Stud	Torque Wrench Adapter (Pull Stud)	Spanner (Pull Stud)	Preset Screw
P.X-66	P.X-73、77	P.X-78	P.X-111



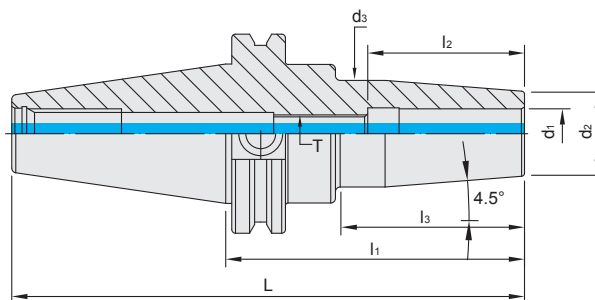
SCAT / SFC SHRINK FIT CHUCK

Dual
DRIVE+

4.5°

BALANCE
G2.5
25,000 RPM

SCAT / SFC 法蘭加厚型熱膨脹刀桿



INCHES

MODEL NO.	TYPE	L	l ₁	l ₂	l ₃	d ₁	d ₂	d ₃	T	TORQUE N·m min	WEIGHT (KGS)
5044-651-A12-354	SCAT50 x SFC3/16" - 3.54"	7.54	3.54	0.79	1.98	0.1875	0.43	0.74	M6	18	3.04
5044-651-A16-354	SCAT50 x SFC1/4" - 3.54"	7.54	3.54	1.42	2.04	0.25	0.71	1.03	M5	18	3.13
5044-651-A20-354	SCAT50 x SFC5/16" - 3.54"	7.54	3.54	1.42	2.04	0.3125	0.79	1.06	M6	35	3.15
5044-651-A24-394	SCAT50 x SFC3/8" - 3.94"	7.94	3.94	1.65	2.36	0.375	0.94	1.26	M8	65	3.27
5044-651-A32-394	SCAT50 x SFC1/2" - 3.94"	7.94	3.94	1.85	2.36	0.5	1.1	1.34	M10	110	3.33
5044-651-A40-394	SCAT50 x SFC5/8" - 3.94"	7.94	3.94	1.97	2.36	0.625	1.06	1.34	M12	200	3.29
5044-651-A48-413	SCAT50 x SFC3/4" - 4.13"	8.13	4.13	2.04	2.71	0.75	1.42	1.65	M16	320	3.52
5044-651-A48-600	SCAT50 x SFC3/4" - 6"	10	6	2.04	3.91	0.75	1.42	1.65	M16	320	4.03
5044-651-A64-413	SCAT50 x SFC1" - 4.13"	8.13	4.13	2.28	2.71	1	1.81	2.09	M20	500	3.81
5044-651-A64-600	SCAT50 x SFC1" - 6"	10	6	2.28	4.12	1	1.81	2.09	M20	500	4.56
5044-651-A72-413	SCAT50 x SFC1-1/4" - 4.13"	8.13	4.13	2.28	2.63	1.25	1.81	2.09	M20	500	3.68
5044-651-A72-472	SCAT50 x SFC1-1/4" - 4.72"	8.72	4.72	2.28	3.22	1.25	1.81	2.09	M20	550	3.90
5044-651-A72-600	SCAT50 x SFC1-1/4" - 6"	10	6	2.28	4.12	1.25	1.81	2.09	M20	550	4.43

Features:

- ▶ Use thermal expansion to clamp tools. High rigidity and can reach high revolution. Runout is within 5μm.
- ▶ Use with shrink fit machine.
- ▶ 4.5° design allows bigger diameter which has better rigidity. Suitable for general machining.

Product information:

- ▶ We accept special order of the design with 6 threaded holes for balance (w/o balancing screws).
- ▶ Higher balancing grade and revolution can be done upon request but additional charge is needed.
- ▶ For tool shank with h6 tolerance, such as Form HA to DIN6535 and Form A to DIN 1835-1, except that the internal hole of Shrink Fit Chuck is less than 6mm.
- ▶ AD+B type is available, please inform us when making an order.

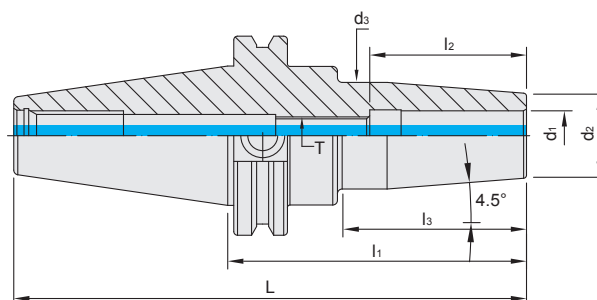
Pull Stud	Torque Wrench Adapter (Pull Stud)	Spanner (Pull Stud)	Preset Screw
			
P.X-66	P.X-73、77	P.X-78	P.X-111



SCAT / SFC SHRINK FIT CHUCK



SCAT / SFC 法蘭加厚型熱膨脹刀桿



MODEL NO.	TYPE	L	l ₁	l ₂	l ₃	d ₁	d ₂	d ₃	T	WEIGHT (KGS)
5043-651-003-100	SCAT40 x SFC3 - 100	168.249	100	18	55	3	9	17	M6	1.04
5043-651-004-100	SCAT40 x SFC4 - 100	168.249	100	20	55	4	10	18	M6	1.06
5043-651-005-100	SCAT40 x SFC5 - 100	168.249	100	20	60	5	16	22	M8	1.12
5043-651-006-100	SCAT40 x SFC6 - 100	168.249	100	36	54	6	21	27	M5	1.23
5043-651-006-150	SCAT40 x SFC6 - 150	218.249	150	36	104	6	21	27	M5	1.39
5043-651-008-100	SCAT40 x SFC8 - 100	168.249	100	36	54	8	21	27	M6	1.22
5043-651-008-150	SCAT40 x SFC8 - 150	218.249	150	36	104	8	21	27	M6	1.39
5043-651-010-100	SCAT40 x SFC10 - 100	168.249	100	42	56	10	24	32	M8	1.28
5043-651-010-150	SCAT40 x SFC10 - 150	218.249	150	42	107	10	24	32	M8	1.52
5043-651-012-100	SCAT40 x SFC12 - 100	168.249	100	47	59	12	24	33	M10	1.27
5043-651-012-150	SCAT40 x SFC12 - 150	218.249	150	47	104	12	24	32	M10	1.31
5043-651-014-095	SCAT40 x SFC14 - 95.3	163.549	95.3	47	59	14	27	34	M10	1.62
5043-651-014-152	SCAT40 x SFC14 - 152.4	220.649	152.4	47	112	14	27	34	M10	1.25
5043-651-016-095	SCAT40 x SFC16 - 95.3	163.549	95.3	50	54	16	27	34	M12	1.28
5043-651-016-160	SCAT40 x SFC16 - 160	228.249	160	50	59	16	27	34	M12	1.64
5043-651-018-100	SCAT40 x SFC18 - 100	168.249	100	50	63	18	33	42	M12	1.43
5043-651-020-080	SCAT40 x SFC20 - 80	148.249	80	52	42	20	33	39	M16	1.20

Features:

- ▶ Use thermal expansion to clamp tools. High rigidity and can reach high revolution. Runout is within 5µm.
- ▶ Use with shrink fit machine.
- ▶ 4.5° design allows bigger diameter which has better rigidity. Suitable for general machining.

Product information:

- ▶ We accept special order of the design with 6 threaded holes for balance (w/o balancing screws).
- ▶ Higher balancing grade and revolution can be done upon request but additional charge is needed.
- ▶ For tool shank with h6 tolerance, such as Form HA to DIN6535 and Form A to DIN 1835-1, except that the internal hole of Shrink Fit Chuck is less than 6mm.
- ▶ AD+B type is available, please inform us when making an order.

Pull Stud	Torque Wrench Adapter (Pull Stud)	Spanner (Pull Stud)	Preset Screw
P.X-66	P.X-73、77	P.X-78	P.X-111



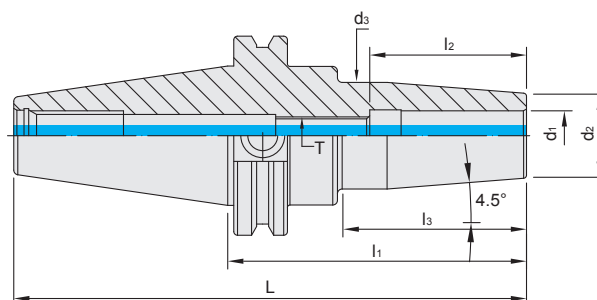
SCAT / SFC SHRINK FIT CHUCK

Dual
DRIVE+

4.5°

BALANCE
G2.5
25,000 RPM

SCAT / SFC 法蘭加厚型熱膨脹刀桿



MODEL NO.	TYPE	L	l ₁	l ₂	l ₃	d ₁	d ₂	d ₃	T	WEIGHT (KGS)
5044-651-006-100	SCAT50 x SFC6 - 100	201.6	100	36	62	6	21	27	M5	3.21
5044-651-006-150	SCAT50 x SFC6 - 150	251.6	150	36	101	6	21	27	M5	3.42
5044-651-008-100	SCAT50 x SFC8 - 100	201.6	100	36	60	8	21	27	M6	3.21
5044-651-008-150	SCAT50 x SFC8 - 150	251.6	150	36	101	8	21	27	M6	3.41
5044-651-010-100	SCAT50 x SFC10 - 100	201.6	100	42	60	10	24	32	M8	3.27
5044-651-010-150	SCAT50 x SFC10 - 150	251.6	150	42	91	10	24	32	M8	3.74
5044-651-012-100	SCAT50 x SFC12 - 100	201.6	100	47	62	12	24	32	M10	3.26
5044-651-012-150	SCAT50 x SFC12 - 150	251.6	150	47	91	12	24	32	M10	3.71
5044-651-014-100	SCAT50 x SFC14 - 100	201.6	100	47	62	14	27	34	M10	3.31
5044-651-014-150	SCAT50 x SFC14 - 150	251.6	150	47	92	14	27	34	M10	3.79
5044-651-016-100	SCAT50 x SFC16 - 100	201.6	100	50	62	16	27	34	M12	3.29
5044-651-016-160	SCAT50 x SFC16 - 160	261.6	160	50	102	16	27	34	M12	3.83
5044-651-018-100	SCAT50 x SFC18 - 100	201.6	100	50	62	18	33	42	M12	3.45
5044-651-020-080	SCAT50 x SFC20 - 80	181.6	80	52	42	20	33	42	M16	3.26
5044-651-025-100	SCAT50 x SFC25 - 100	201.6	100	58	62	25	44	53	M20	3.69
5044-651-032-100	SCAT50 x SFC32 - 100	201.6	100	58	62	32	44	53	M20	3.55

Features:

- ▶ Use thermal expansion to clamp tools. High rigidity and can reach high revolution. Runout is within 5μm.
- ▶ Use with shrink fit machine.
- ▶ 4.5° design allows bigger diameter which has better rigidity. Suitable for general machining.

Product information:

- ▶ We accept special order of the design with 6 threaded holes for balance (w/o balancing screws).
- ▶ Higher balancing grade and revolution can be done upon request but additional charge is needed.
- ▶ For tool shank with h6 tolerance, such as Form HA to DIN6535 and Form A to DIN 1835-1, except that the internal hole of Shrink Fit Chuck is less than 6mm.
- ▶ AD+B type is available, please inform us when making an order.

Pull Stud	Torque Wrench Adapter (Pull Stud)	Spanner (Pull Stud)	Preset Screw
			
P.X-66	P.X-73、77	P.X-78	P.X-111

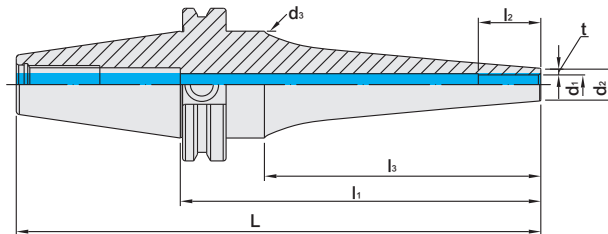


SCAT / SFC SHRINK FIT CHUCK

CUL TYPE



SCAT / SFC 法蘭加厚型熱膨脹刀桿 [CUL型]



INCHES

MODEL NO.	TYPE	L	l ₁	l ₂	l ₃	d ₁	d ₂	d ₃	t	WEIGHT (KGS)
5043-768-A12-600	SCAT40 x SFC3/16" - 6"CUL	8.687	6	0.394	4.63	0.1875	0.42	1.75	0.118	1.5
5043-768-A12-800	SCAT40 x SFC3/16" - 8"CUL	10.687	8	0.394	6.63	0.1875	0.42	1.75	0.118	1.6
5043-768-A16-600	SCAT40 x SFC1/4" - 6"CUL	8.687	6	1.024	4.63	0.25	0.53	1.75	0.138	1.5
5043-768-A16-800	SCAT40 x SFC1/4" - 8"CUL	10.687	8	1.024	6.63	0.25	0.53	1.75	0.138	1.7
5043-768-A20-600	SCAT40 x SFC5/16" - 6"CUL	8.687	6	1.026	4.63	0.3125	0.63	1.75	0.157	1.6
5043-768-A20-800	SCAT40 x SFC5/16" - 8"CUL	10.687	8	1.026	6.63	0.3125	0.63	1.75	0.157	1.7
5043-768-A20-1000	SCAT40 x SFC5/16" - 10"CUL	12.687	10	1.026	8.63	0.3125	0.63	1.75	0.157	1.8
5043-768-A24-600	SCAT40 x SFC3/8" - 6"CUL	8.687	6	1.259	4.63	0.375	0.73	1.75	0.177	1.6
5043-768-A24-800	SCAT40 x SFC3/8" - 8"CUL	10.687	8	1.259	6.63	0.375	0.73	1.75	0.177	1.8
5043-768-A24-1000	SCAT40 x SFC3/8" - 10"CUL	12.687	10	1.259	8.63	0.375	0.73	1.75	0.177	1.9
5043-768-A32-600	SCAT40 x SFC1/2" - 6"CUL	8.687	6	1.457	4.63	0.5	0.89	1.75	0.196	1.7
5043-768-A32-800	SCAT40 x SFC1/2" - 8"CUL	10.687	8	1.457	6.63	0.5	0.89	1.75	0.196	1.9
5043-768-A32-1000	SCAT40 x SFC1/2" - 10"CUL	12.687	10	1.457	8.63	0.5	0.89	1.75	0.196	2.0

Features:

- ▶ CUL type increases rigidity and avoids interference.
- ▶ The most ideal tool holder design for 5 axis machining center.
- ▶ The design of slim nose and short overhanging length of cutter extend tool use life.
- ▶ The design of thick neck improves the rigidity during machining and product quality.

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.

Pull Stud	Torque Wrench Adapter (Pull Stud)	Spanner (Pull Stud)
P.X-66	P.X-73、77	P.X-78

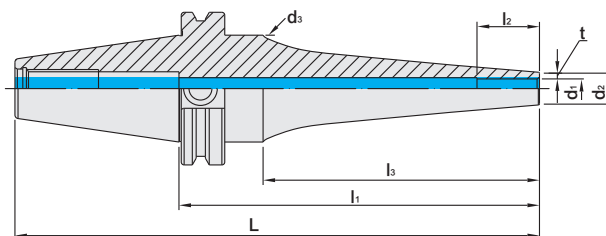


SCAT / SFC SHRINK FIT CHUCK

CUL TYPE



SCAT / SFC 法蘭加厚型熱膨脹刀桿 [CUL型]



INCHES

MODEL NO.	TYPE	L	l ₁	l ₂	l ₃	d ₁	d ₂	d ₃	t	WEIGHT (KGS)
5044-768-A12-600	SCAT50 x SFC3/16" - 6" CUL	10	6	0.394	4.63	0.1875	0.42	2.75	0.118	4.3
5044-768-A12-800	SCAT50 x SFC3/16" - 8" CUL	12	8	0.394	6.63	0.1875	0.42	2.75	0.118	4.6
5044-768-A12-1000	SCAT50 x SFC3/16" - 10" CUL	14	10	0.394	8.63	0.1875	0.42	2.75	0.118	4.9
5044-768-A12-1200	SCAT50 x SFC3/16" - 12" CUL	16	12	0.394	10.63	0.1875	0.42	2.75	0.118	5.1
5044-768-A16-600	SCAT50 x SFC1/4" - 6" CUL	10	6	1.024	4.63	0.25	0.53	2.75	0.138	4.3
5044-768-A16-800	SCAT50 x SFC1/4" - 8" CUL	12	8	1.024	6.63	0.25	0.53	2.75	0.138	4.7
5044-768-A16-1000	SCAT50 x SFC1/4" - 10" CUL	14	10	1.024	8.63	0.25	0.53	2.75	0.138	5.0
5044-768-A16-1200	SCAT50 x SFC1/4" - 12" CUL	16	12	1.024	10.63	0.25	0.53	2.75	0.138	5.2
5044-768-A20-600	SCAT50 x SFC5/16" - 6" CUL	10	6	1.026	4.63	0.3125	0.63	2.75	0.157	4.4
5044-768-A20-800	SCAT50 x SFC5/16" - 8" CUL	12	8	1.026	6.63	0.3125	0.63	2.75	0.157	4.8
5044-768-A20-1000	SCAT50 x SFC5/16" - 10" CUL	14	10	1.026	8.63	0.3125	0.63	2.75	0.157	5.1
5044-768-A20-1200	SCAT50 x SFC5/16" - 12" CUL	16	12	1.026	10.63	0.3125	0.63	2.75	0.157	5.3
5044-768-A24-600	SCAT50 x SFC3/8" - 6" CUL	10	6	1.259	4.63	0.375	0.73	2.75	0.177	4.4
5044-768-A24-800	SCAT50 x SFC3/8" - 8" CUL	12	8	1.259	6.63	0.375	0.73	2.75	0.177	4.8
5044-768-A24-1000	SCAT50 x SFC3/8" - 10" CUL	14	10	1.259	8.63	0.375	0.73	2.75	0.177	5.2
5044-768-A24-1200	SCAT50 x SFC3/8" - 12" CUL	16	12	1.259	10.63	0.375	0.73	2.75	0.177	5.4
5044-768-A32-600	SCAT50 x SFC1/2" - 6" CUL	10	6	1.457	4.63	0.5	0.89	2.75	0.196	4.5
5044-768-A32-800	SCAT50 x SFC1/2" - 8" CUL	12	8	1.457	6.63	0.5	0.89	2.75	0.196	5.0
5044-768-A32-1000	SCAT50 x SFC1/2" - 10" CUL	14	10	1.457	8.63	0.5	0.89	2.75	0.196	5.3
5044-768-A32-1200	SCAT50 x SFC1/2" - 12" CUL	16	12	1.457	10.63	0.5	0.89	2.75	0.196	5.6

Features:

- ▶ CUL type increases rigidity and avoids interference.
- ▶ The most ideal tool holder design for 5 axis machining center.
- ▶ The design of slim nose and short overhanging length of cutter extend tool use life.
- ▶ The design of thick neck improves the rigidity during machining and product quality.

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.

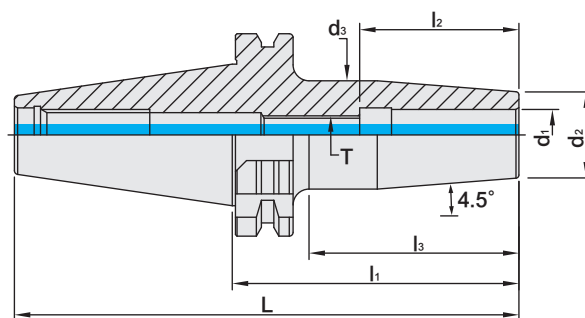
Pull Stud	Torque Wrench Adapter (Pull Stud)	Spanner (Pull Stud)
P.X-66	P.X-73、77	P.X-78



SDAT / SFC SHRINK FIT CHUCK



SDAT / SFC 法蘭加厚型熱膨脹刀桿



MODEL NO.	TYPE	L	l ₁	l ₂	l ₃	d ₁	d ₂	d ₃	T	TORQUE N·m min	WEIGHT (KGS)
5066-651-003-080	SDAT40 x SFC3 - 80	148.4	80	18	51.7	3	10	19.3	M6	18	0.89
5066-651-004-080	SDAT40 x SFC4 - 80	148.4	80	20	51.7	4	10	19.3	M6	18	0.89
5066-651-005-080	SDAT40 x SFC5 - 80	148.4	80	20	51.7	5	10	19.3	M6	18	0.89
5066-651-006-080	SDAT40 x SFC6 - 80	148.4	80	36	55.9	6	21	27	M5	18	1.03
5066-651-006-130	SDAT40 x SFC6 - 130	198.4	130	36	105.9	6	21	27	M5	18	1.25
5066-651-006-160	SDAT40 x SFC6 - 160	228.4	160	36	105.9	6	21	27	M5	18	1.38
5066-651-006-200	SDAT40 x SFC6 - 200	268.4	200	36	146	6	21	27	M5	18	1.56
5066-651-008-080	SDAT40 x SFC8 - 80	148.4	80	36	55.9	8	21	27	M6	35	0.93
5066-651-008-130	SDAT40 x SFC8 - 130	198.4	130	36	105.9	8	21	27	M6	35	1.24
5066-651-008-160	SDAT40 x SFC8 - 160	228.4	160	36	105.9	8	21	27	M6	35	1.37
5066-651-008-200	SDAT40 x SFC8 - 200	268.4	200	36	146	8	21	27	M6	35	1.55
5066-651-010-080	SDAT40 x SFC10 - 80	148.4	80	42	55.9	10	24	32	M8	65	1.21
5066-651-010-130	SDAT40 x SFC10 - 130	198.4	130	42	105.9	10	24	32	M8	65	1.52
5066-651-010-160	SDAT40 x SFC10 - 160	228.4	160	42	105.9	10	24	32	M8	65	1.65
5066-651-010-200	SDAT40 x SFC10 - 200	268.4	200	42	146	10	24	32	M8	65	1.83
5066-651-012-080	SDAT40 x SFC12 - 80	148.4	80	47	55.9	12	24	32	M10	110	1.01
5066-651-012-130	SDAT40 x SFC12 - 130	198.4	130	47	105.9	12	24	32	M10	110	1.50
5066-651-012-160	SDAT40 x SFC12 - 160	228.4	160	47	105.9	12	24	32	M10	110	1.45
5066-651-012-200	SDAT40 x SFC12 - 200	268.4	200	47	146	12	24	32	M10	110	1.81
5066-651-014-080	SDAT40 x SFC14 - 80	148.4	80	47	55.9	14	27	34	M10	150	0.89
5066-651-014-130	SDAT40 x SFC14 - 130	198.4	130	47	105.9	14	27	34	M10	150	1.38
5066-651-014-160	SDAT40 x SFC14 - 160	228.4	160	47	105.9	14	27	34	M10	150	1.33
5066-651-014-200	SDAT40 x SFC14 - 200	268.4	200	47	146	14	27	34	M10	150	1.93

Features:

- ▶ Use thermal expansion to clamp tools. High rigidity and can reach high revolution. Runout is within 5μm.
- ▶ Use with shrink fit machine.
- ▶ 4.5° design allows bigger diameter which has better rigidity. Suitable for general machining.

Product information:

- ▶ We accept special order of the design with 6 threaded holes for balance (w/o balancing screws).
- ▶ Higher balancing grade and revolution can be done upon request but additional charge is needed.
- ▶ For tool shank with h6 tolerance, such as Form HA to DIN6535 and Form A to DIN 1835-1, except that the internal hole of Shrink Fit Chuck is less than 6mm.
- ▶ AD+B type is available, please inform us when making an order.

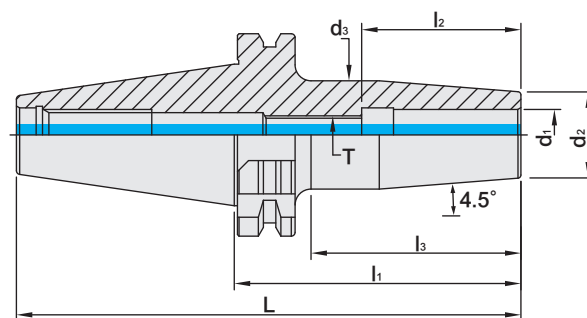
Pull Stud	Torque Wrench Adapter (Pull Stud)	Spanner (Pull Stud)	Preset Screw
P.X-67	P.X-73、77	P.X-78	P.X-111



SDAT / SFC SHRINK FIT CHUCK



SDAT / SFC 法蘭加厚型熱膨脹刀桿



MODEL NO.	TYPE	L	l ₁	l ₂	l ₃	d ₁	d ₂	d ₃	T	TORQUE N·m min	WEIGHT (KGS)
5066-651-016-080	SDAT40 x SFC 16 - 80	148.4	80	50	55.8	16	27	34	M12	200	1.09
5066-651-016-130	SDAT40 x SFC 16 - 130	198.4	130	50	105.9	16	27	34	M12	200	1.44
5066-651-016-160	SDAT40 x SFC 16 - 160	228.4	160	50	105.9	16	27	34	M12	200	1.65
5066-651-016-200	SDAT40 x SFC 16 - 200	268.4	200	50	146	16	27	34	M12	200	1.93
5066-651-018-080	SDAT40 x SFC 18 - 80	148.4	80	50	57.9	18	33	42	M12	250	1.23
5066-651-018-130	SDAT40 x SFC 18 - 130	198.4	130	50	107.9	18	33	42	M12	250	1.76
5066-651-018-160	SDAT40 x SFC 18 - 160	228.4	160	50	107.9	18	33	42	M12	250	2.08
5066-651-018-200	SDAT40 x SFC 18 - 200	268.4	200	50	147.9	18	33	42	M12	250	2.51
5066-651-020-080	SDAT40 x SFC 20 - 80	148.4	80	52	57.9	20	33	42	M16	320	1.21
5066-651-020-130	SDAT40 x SFC 20 - 130	198.4	130	52	107.9	20	33	42	M16	320	1.73
5066-651-020-160	SDAT40 x SFC 20 - 160	228.4	160	52	107.9	20	33	42	M16	320	2.06
5066-651-020-200	SDAT40 x SFC 20 - 200	268.4	200	52	147.9	20	33	42	M16	320	2.48
5066-651-025-100	SDAT40 x SFC 25 - 100	168.4	100	58	80.9	25	44	53	M20	500	1.79
5066-651-025-130	SDAT40 x SFC 25 - 130	198.4	130	58	110.9	25	44	53	M20	500	2.31
5066-651-025-160	SDAT40 x SFC 25 - 160	228.4	160	58	140.9	25	44	53	M20	500	2.81
5066-651-025-200	SDAT40 x SFC 25 - 200	268.4	200	58	180.9	25	44	53	M20	500	3.49
5066-651-032-100	SDAT40 x SFC 32 - 100	168.4	100	58	80.9	32	44	53	M20	550	1.65

Features:

- ▶ Use thermal expansion to clamp tools. High rigidity and can reach high revolution. Runout is within 5μm.
- ▶ Use with shrink fit machine.
- ▶ 4.5° design allows bigger diameter which has better rigidity. Suitable for general machining.

Product information:

- ▶ We accept special order of the design with 6 threaded holes for balance (w/o balancing screws).
- ▶ Higher balancing grade and revolution can be done upon request but additional charge is needed.
- ▶ For tool shank with h6 tolerance, such as Form HA to DIN 6535 and Form A to DIN 1835-1, except that the internal hole of Shrink Fit Chuck is less than 6mm.
- ▶ AD+B type is available, please inform us when making an order.

Pull Stud	Torque Wrench Adapter (Pull Stud)	Spanner (Pull Stud)	Preset Screw
P.X-67	P.X-73、77	P.X-78	P.X-111



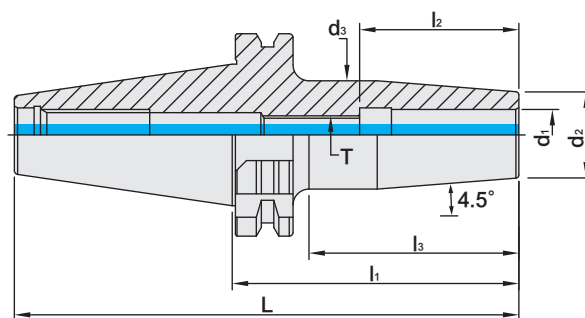
SDAT / SFC SHRINK FIT CHUCK

Dual
DRIVE+

4.5°

BALANCE
G2.5
25,000 RPM

SDAT / SFC 法蘭加厚型熱膨脹刀桿



MODEL NO.	TYPE	L	l ₁	l ₂	l ₃	d ₁	d ₂	d ₃	T	TORQUE N·m min	WEIGHT (KGS)
5067-651-006-080	SDAT50 x SFC6 - 80	181.75	80	36	50.9	6	21	27	M5	18	2.81
5067-651-006-130	SDAT50 x SFC6 - 130	231.75	130	36	100.9	6	21	27	M5	18	3.03
5067-651-006-160	SDAT50 x SFC6 - 160	261.75	160	36	100.9	6	21	27	M5	18	3.17
5067-651-006-200	SDAT50 x SFC6 - 200	301.75	200	36	141	6	21	27	M5	18	3.34
5067-651-008-080	SDAT50 x SFC8 - 80	181.75	80	36	50.9	8	21	27	M6	35	2.80
5067-651-008-130	SDAT50 x SFC8 - 130	231.75	130	36	100.9	8	21	27	M6	35	3.02
5067-651-008-160	SDAT50 x SFC8 - 160	261.75	160	36	100.9	8	21	27	M6	35	3.16
5067-651-008-200	SDAT50 x SFC8 - 200	301.75	200	36	141	8	21	27	M6	35	3.33
5067-651-010-080	SDAT50 x SFC10 - 80	181.75	80	42	50.9	10	24	32	M8	65	2.53
5067-651-010-130	SDAT50 x SFC10 - 130	231.75	130	42	100.9	10	24	32	M8	65	2.75
5067-651-010-160	SDAT50 x SFC10 - 160	261.75	160	42	100.9	10	24	32	M8	65	2.89
5067-651-010-200	SDAT50 x SFC10 - 200	301.75	200	42	141	10	24	32	M8	65	3.60
5067-651-012-080	SDAT50 x SFC12 - 80	181.75	80	47	50.9	12	24	32	M10	110	2.52
5067-651-012-130	SDAT50 x SFC12 - 130	231.75	130	47	100.9	12	24	32	M10	110	2.74
5067-651-012-160	SDAT50 x SFC12 - 160	261.75	160	47	100.9	12	24	32	M10	110	2.88
5067-651-012-200	SDAT50 x SFC12 - 200	301.75	200	47	141	12	24	32	M10	110	3.59
5067-651-014-080	SDAT50 x SFC14 - 80	181.75	80	47	50.9	14	27	34	M10	150	2.38
5067-651-014-130	SDAT50 x SFC14 - 130	231.75	130	47	100.9	14	27	34	M10	150	2.60
5067-651-014-160	SDAT50 x SFC14 - 160	261.75	160	47	100.9	14	27	34	M10	150	2.74
5067-651-014-200	SDAT50 x SFC14 - 200	301.75	200	47	141	14	27	34	M10	150	3.73

Features:

- ▶ Use thermal expansion to clamp tools. High rigidity and can reach high revolution. Runout is within 5μm.
- ▶ Use with shrink fit machine.
- ▶ 4.5° design allows bigger diameter which has better rigidity. Suitable for general machining.

Product information:

- ▶ We accept special order of the design with 6 threaded holes for balance (w/o balancing screws).
- ▶ Higher balancing grade and revolution can be done upon request but additional charge is needed.
- ▶ For tool shank with h6 tolerance, such as Form HA to DIN6535 and Form A to DIN 1835-1, except that the internal hole of Shrink Fit Chuck is less than 6mm.
- ▶ AD+B type is available, please inform us when making an order.

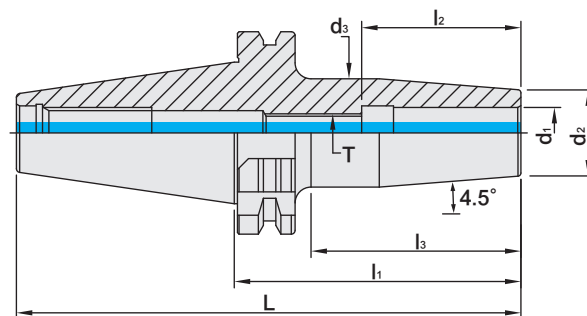
Pull Stud	Torque Wrench Adapter (Pull Stud)	Spanner (Pull Stud)	Preset Screw
			
P.X-67	P.X-73、77	P.X-78	P.X-111



SDAT / SFC SHRINK FIT CHUCK



SDAT / SFC 法蘭加厚型熱膨脹刀桿



MODEL NO.	TYPE	L	l ₁	l ₂	l ₃	d ₁	d ₂	d ₃	T	TORQUE N·m min	WEIGHT (KGS)
5067-651-016-080	SDAT50 x SFC 16 - 80	181.75	80	50	50.9	16	27	34	M12	200	2.87
5067-651-016-130	SDAT50 x SFC 16 - 130	231.75	130	50	100.9	16	27	34	M12	200	3.22
5067-651-016-160	SDAT50 x SFC 16 - 160	261.75	160	50	100.9	16	27	34	M12	200	3.43
5067-651-016-200	SDAT50 x SFC 16 - 200	301.75	200	50	141	16	27	34	M12	200	3.71
5067-651-018-080	SDAT50 x SFC 18 - 80	181.75	80	50	57.9	18	33	42	M12	250	2.99
5067-651-018-130	SDAT50 x SFC 18 - 130	231.75	130	50	100.9	18	33	42	M12	250	3.55
5067-651-018-160	SDAT50 x SFC 18 - 160	261.75	160	50	100.9	18	33	42	M12	250	3.87
5067-651-018-200	SDAT50 x SFC 18 - 200	301.75	200	50	141	18	33	42	M12	250	4.30
5067-651-020-080	SDAT50 x SFC 20 - 80	181.75	80	52	57.9	20	33	42	M16	320	2.91
5067-651-020-130	SDAT50 x SFC 20 - 130	231.75	130	52	100.9	20	33	42	M16	320	3.25
5067-651-020-160	SDAT50 x SFC 20 - 160	261.75	160	52	100.9	20	33	42	M16	320	3.57
5067-651-020-200	SDAT50 x SFC 20 - 200	301.75	200	52	141	20	33	42	M16	320	4.27
5067-651-025-100	SDAT50 x SFC 25 - 100	201.75	100	58	70.9	25	44	53	M20	500	3.59
5067-651-025-130	SDAT50 x SFC 25 - 130	231.75	130	58	100.9	25	44	53	M20	500	4.10
5067-651-025-160	SDAT50 x SFC 25 - 160	261.75	160	58	100.9	25	44	53	M20	500	4.61
5067-651-025-200	SDAT50 x SFC 25 - 200	301.75	200	58	141	25	44	53	M20	500	5.29
5067-651-032-100	SDAT50 x SFC 32 - 100	201.75	100	58	70.9	32	44	53	M20	550	3.45

Features:

- ▶ Use thermal expansion to clamp tools. High rigidity and can reach high revolution. Runout is within 5μm.
- ▶ Use with shrink fit machine.
- ▶ 4.5° design allows bigger diameter which has better rigidity. Suitable for general machining.

Product information:

- ▶ We accept special order of the design with 6 threaded holes for balance (w/o balancing screws).
- ▶ Higher balancing grade and revolution can be done upon request but additional charge is needed.
- ▶ For tool shank with h6 tolerance, such as Form HA to DIN6535 and Form A to DIN 1835-1, except that the internal hole of Shrink Fit Chuck is less than 6mm.
- ▶ AD+B type is available, please inform us when making an order.

Pull Stud	Torque Wrench Adapter (Pull Stud)	Spanner (Pull Stud)	Preset Screw
P.X-67	P.X-73、77	P.X-78	P.X-111

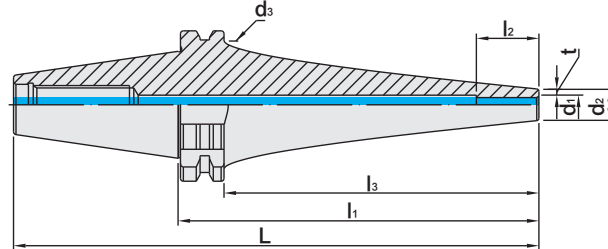


SDAT / SFC SHRINK FIT CHUCK

CUL TYPE



SDAT / SFC 法蘭加厚型熱膨脹刀桿 [CUL型]



MODEL NO.	TYPE	L	l ₁	l ₂	l ₃	d ₁	d ₂	d ₃	t	WEIGHT (KGS)
5066-768-004-150	SDAT40 x SFC4 - 150CUL	218.4	150	10	130.9	4	10	53	3	1.5
5066-768-004-200	SDAT40 x SFC4 - 200CUL	268.4	200	10	180.9	4	10	53	3	1.7
5066-768-004-250	SDAT40 x SFC4 - 250CUL	318.4	250	10	230.9	4	10	53	3	1.8
5066-768-006-150	SDAT40 x SFC6 - 150CUL	218.4	150	26	130.9	6	13	53	3.5	1.6
5066-768-006-200	SDAT40 x SFC6 - 200CUL	268.4	200	26	180.9	6	13	53	3.5	1.8
5066-768-008-150	SDAT40 x SFC8 - 150CUL	218.4	150	26	130.9	8	16	53	4	1.7
5066-768-008-200	SDAT40 x SFC8 - 200CUL	268.4	200	26	180.9	8	16	53	4	1.8
5066-768-008-250	SDAT40 x SFC8 - 250CUL	318.4	250	26	230.9	8	16	53	4	2.0
5066-768-010-150	SDAT40 x SFC10 - 150CUL	218.4	150	32	130.9	10	19	53	4.5	1.7
5066-768-010-200	SDAT40 x SFC10 - 200CUL	268.4	200	32	180.9	10	19	53	4.5	1.9
5066-768-010-250	SDAT40 x SFC10 - 250CUL	318.4	250	32	230.9	10	19	53	4.5	2.1
5066-768-012-150	SDAT40 x SFC12 - 150CUL	218.4	150	37	130.9	12	22	53	5	1.8
5066-768-012-200	SDAT40 x SFC12 - 200CUL	268.4	200	37	180.9	12	22	53	5	2.0
5066-768-012-250	SDAT40 x SFC12 - 250CUL	318.4	250	37	230.9	12	22	53	5	2.2
5067-768-004-150	SDAT50 x SFC4 - 150CUL	251.75	150	10	130.9	4	10	85	3	1.5
5067-768-004-200	SDAT50 x SFC4 - 200CUL	301.75	200	10	180.9	4	10	85	3	1.7
5067-768-004-250	SDAT50 x SFC4 - 250CUL	351.75	250	10	230.9	4	10	85	3	1.8
5067-768-004-300	SDAT50 x SFC4 - 300CUL	401.75	300	10	280.9	4	10	85	3	1.9
5067-768-006-150	SDAT50 x SFC6 - 150CUL	251.75	150	26	130.9	6	13	85	3.5	1.6
5067-768-006-200	SDAT50 x SFC6 - 200CUL	301.75	200	26	180.9	6	13	85	3.5	1.8
5067-768-006-250	SDAT50 x SFC6 - 250CUL	351.75	250	26	230.9	6	13	85	3.5	1.9
5067-768-006-300	SDAT50 x SFC6 - 300CUL	401.75	300	26	280.9	6	13	85	3.5	2.0
5067-768-008-200	SDAT50 x SFC8 - 200CUL	301.75	200	26	180.9	8	16	85	4	1.8
5067-768-008-250	SDAT50 x SFC8 - 250CUL	351.75	250	26	230.9	8	16	85	4	2.0
5067-768-008-300	SDAT50 x SFC8 - 300CUL	401.75	300	26	280.9	8	16	85	4	2.1
5067-768-010-150	SDAT50 x SFC10 - 150CUL	251.75	150	32	130.9	10	19	85	4.5	1.7
5067-768-010-200	SDAT50 x SFC10 - 200CUL	301.75	200	32	180.9	10	19	85	4.5	2.0
5067-768-010-250	SDAT50 x SFC10 - 250CUL	351.75	250	32	230.9	10	19	85	4.5	2.1
5067-768-010-300	SDAT50 x SFC10 - 300CUL	401.75	300	32	280.9	10	19	85	4.5	2.2
5067-768-012-150	SDAT50 x SFC12 - 150CUL	251.75	150	37	130.9	12	22	85	5	1.8
5067-768-012-200	SDAT50 x SFC12 - 200CUL	301.75	200	37	180.9	12	22	85	5	2.0
5067-768-012-250	SDAT50 x SFC12 - 250CUL	351.75	250	37	230.9	12	22	85	5	2.2
5067-768-012-300	SDAT50 x SFC12 - 300CUL	401.75	300	37	280.9	12	22	85	5	2.3

Features:

- ▶ CUL type increases rigidity and avoids interference.
- ▶ The most ideal tool holder design for 5 axis machining center.
- ▶ The design of slim nose and short overhanging length of cutter extend tool use life.
- ▶ The design of thick neck improves the rigidity during machining and product quality.

Product information:

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

Pull Stud	Torque Wrench Adapter (Pull Stud)	Spanner (Pull Stud)
		
P.X-67	P.X-73、77	P.X-78



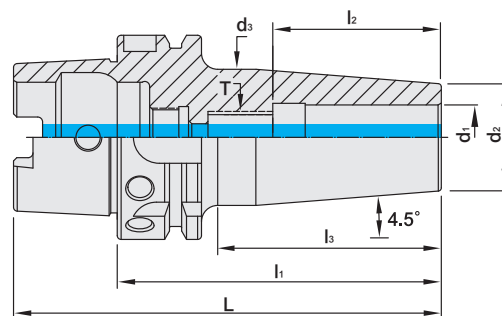
HSK / SFC SHRINK FIT CHUCK

4.5°

BALANCE
G2.5
25,000 RPM

HSK / SFC 熱膨脹刀桿

(DIN 69893-1)



MODEL NO.	TYPE	L	l ₁	l ₂	l ₃	d ₁	d ₂	d ₃	T	TORQUE N·m min	WEIGHT (KGS)
5070-651-003-060	HSK32A x SFC3 - 60	76	60	18	38.1	3	10	16	-	18	0.14
5070-651-004-060	HSK32A x SFC4 - 60	76	60	20	38.1	4	10	16	-	18	0.14
5070-651-005-060	HSK32A x SFC5 - 60	76	60	20	38.1	5	10	16	-	18	0.14
5070-651-006-070	HSK32A x SFC6 - 70	86	70	36	50	6	21	26	M5	18	0.27
5070-651-008-070	HSK32A x SFC8 - 70	86	70	36	50	8	21	26	M6	35	0.27
5070-651-010-080	HSK32A x SFC10 - 80	96	80	42	50	10	24	26	M8	65	0.28
5071-651-003-060	HSK40A x SFC3 - 60	80	60	19	35.3	3	10	15.5	-	18	0.22
5071-651-003-080	HSK40A x SFC3 - 80	100	80	18	55	3	9	17.7	-	18	0.25
5071-651-004-060	HSK40A x SFC4 - 60	80	60	22	35.3	4	10	15.5	-	18	0.22
5071-651-004-080	HSK40A x SFC4 - 80	100	80	20	55	4	10	18.7	-	18	0.26
5071-651-005-060	HSK40A x SFC5 - 60	80	60	25	35.3	5	10	15.5	-	18	0.22
5071-651-005-080	HSK40A x SFC5 - 80	100	80	20	55	5	16	22	-	18	0.33
5071-651-006-080	HSK40A x SFC6 - 80	100	80	36	57	6	21	27	M5	18	0.41
5071-651-006-130	HSK40A x SFC6 - 130	150	130	36	108	6	21	27	M5	18	0.62
5071-651-008-080	HSK40A x SFC8 - 80	100	80	36	57	8	21	27	M6	35	0.40
5071-651-008-130	HSK40A x SFC8 - 130	150	130	36	108	8	21	27	M6	35	0.61
5071-651-010-080	HSK40A x SFC10 - 80	100	80	42	59	10	24	32	M8	65	0.45
5071-651-010-085	HSK40A x SFC10 - 85	105	85	42	64	10	24	32	M8	65	0.49
5071-651-010-130	HSK40A x SFC10 - 130	150	130	42	109	10	24	32	M8	65	0.76
5071-651-012-090	HSK40A x SFC12 - 90	110	90	47	69	12	24	32	M10	110	0.50
5071-651-012-130	HSK40A x SFC12 - 130	150	130	47	109	12	24	32	M10	110	0.75
5071-651-014-090	HSK40A x SFC14 - 90	110	90	47	69	14	27	34	M10	150	0.56
5071-651-016-090	HSK40A x SFC16 - 90	110	90	47	69	16	27	34	M12	200	0.53

Features:

- ▶ Use thermal expansion to clamp tools. High rigidity and can reach high revolution. Runout is within 5μm.
- ▶ Use with shrink fit machine.
- ▶ 4.5° design allows bigger diameter which has better rigidity. Suitable for general machining.

Product information:

- ▶ We accept special order of the design with 6 threaded holes for balance (w/o balancing screws).
- ▶ Higher balancing grade and revolution can be done upon request but additional charge is needed.
- ▶ For tool shank with h6 tolerance, such as Form HA to DIN6535 and Form A to DIN 1835-1, except that the internal hole of Shrink Fit Chuck is less than 6mm.

Coolant Supply Unit Key For Coolant Supply Unit Preset Screw

		
P.X-70	P.X-70	P.X-111



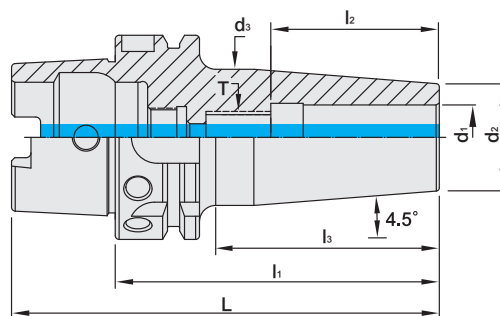
HSK / SFC SHRINK FIT CHUCK

4.5°

BALANCE
G2.5
25,000 RPM

HSK / SFC 熱膨脹刀桿

[DIN 69893-1]



MODEL NO.	TYPE	L	l ₁	l ₂	l ₃	d ₁	d ₂	d ₃	T	TORQUE N·m min	WEIGHT (KGS)
5072-651-003-060	HSK50A x SFC3 - 60	85	60	18	24.7	3	10	13.9	M6	18	0.41
5072-651-003-080	HSK50A x SFC3 - 80	105	80	18	49	3	9	16.7	-	18	0.43
5072-651-004-060	HSK50A x SFC4 - 60	85	60	20	24.7	4	10	13.9	M6	18	0.41
5072-651-004-080	HSK50A x SFC4 - 80	105	80	20	49	4	10	17.7	-	18	0.44
5072-651-005-060	HSK50A x SFC5 - 60	85	60	20	24.7	5	10	13.9	M6	18	0.41
5072-651-005-080	HSK50A x SFC5 - 80	105	80	20	49	5	16	22	-	18	0.50
5072-651-006-080	HSK50A x SFC6 - 80	105	80	36	49	6	21	27	M5	18	0.58
5072-651-006-130	HSK50A x SFC6 - 130	155	130	36	99	6	21	27	M5	18	0.79
5072-651-008-080	HSK50A x SFC8 - 80	105	80	36	49	8	21	27	M6	35	0.57
5072-651-008-130	HSK50A x SFC8 - 130	155	130	36	99	8	21	27	M6	35	0.78
5072-651-010-085	HSK50A x SFC10 - 85	110	85	42	54	10	24	32	M8	65	0.65
5072-651-010-130	HSK50A x SFC10 - 130	155	130	42	101.7	10	24	32	M8	65	0.92
5072-651-012-090	HSK50A x SFC12 - 90	115	90	47	59	12	24	32	M10	110	0.66
5072-651-012-130	HSK50A x SFC12 - 130	155	130	47	101.7	12	24	32	M10	110	0.90
5072-651-014-090	HSK50A x SFC14 - 90	115	90	47	59	14	24	32	M10	150	0.65
5072-651-016-095	HSK50A x SFC16 - 95	120	95	50	64	16	27	34	M12	200	0.72
5072-651-016-130	HSK50A x SFC16 - 130	155	130	50	101.7	16	27	34	M12	150	0.96
5072-651-018-095	HSK50A x SFC18 - 95	120	95	52	67	18	33	42	M12	250	0.89
5072-651-020-100	HSK50A x SFC20 - 100	125	100	52	73	20	33	42	M16	320	0.90
5072-651-025-115	HSK50A x SFC25 - 115	140	115	47	88	25	44	53	M20	500	1.39

Features:

- ▶ Use thermal expansion to clamp tools. High rigidity and can reach high revolution. Runout is within 5μm.
- ▶ Use with shrink fit machine.
- ▶ 4.5° design allows bigger diameter which has better rigidity. Suitable for general machining.

Product information:

- ▶ We accept special order of the design with 6 threaded holes for balance (w/o balancing screws).
- ▶ Higher balancing grade and revolution can be done upon request but additional charge is needed.
- ▶ For tool shank with h6 tolerance, such as Form HA to DIN6535 and Form A to DIN 1835-1, except that the internal hole of Shrink Fit Chuck is less than 6mm.

Coolant Supply Unit Key For Coolant Supply Unit Preset Screw

		
P.X-70	P.X-70	P.X-111



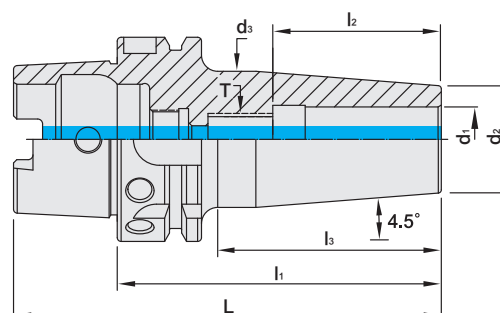
HSK / SFC SHRINK FIT CHUCK

4.5°

BALANCE
G2.5
25,000 RPM

HSK / SFC 熱膨脹刀桿

(DIN 69893-1)



MODEL NO.	TYPE	L	l ₁	l ₂	l ₃	d ₁	d ₂	d ₃	T	TORQUE N·m min	WEIGHT (KGS)
5073-651-003-080	HSK63A x SFC3 - 80	112	80	18	40	3	9	18	M6	18	0.69
5073-651-004-080	HSK63A x SFC4 - 80	112	80	18	44	4	10	17.05	M6	18	0.70
5073-651-005-080	HSK63A x SFC5 - 80	112	80	20	51	5	16	22	M6	18	0.76
5073-651-006-080	HSK63A x SFC6 - 80	112	80	36	51	6	21	27	M5	18	0.83
5073-651-006-130	HSK63A x SFC6 - 130	162	130	36	94	6	21	27	M5	18	1.06
5073-651-006-160	HSK63A x SFC6 - 160	192	160	36	124	6	21	27	M5	18	1.19
5073-651-006-200	HSK63A x SFC6 - 200	232	200	36	164	6	21	27	M5	18	1.37
5073-651-008-080	HSK63A x SFC8 - 80	112	80	36	51	8	21	27	M6	35	0.83
5073-651-008-130	HSK63A x SFC8 - 130	162	130	36	94	8	21	27	M6	35	1.05
5073-651-008-160	HSK63A x SFC8 - 160	192	160	36	124	8	21	27	M6	35	1.18
5073-651-008-200	HSK63A x SFC8 - 200	232	200	36	164	8	21	27	M6	35	1.36
5073-651-010-085	HSK63A x SFC10 - 85	117	85	42	54	10	24	32	M8	65	0.91
5073-651-010-130	HSK63A x SFC10 - 130	162	130	42	94	10	24	32	M8	65	1.18
5073-651-010-160	HSK63A x SFC10 - 160	192	160	42	124	10	24	32	M8	65	1.36
5073-651-010-200	HSK63A x SFC10 - 200	232	200	42	164	10	24	32	M8	65	1.61
5073-651-012-090	HSK63A x SFC12 - 90	122	90	47	59	12	24	32	M10	110	0.92
5073-651-012-130	HSK63A x SFC12 - 130	162	130	47	94	12	24	32	M10	110	1.17
5073-651-012-160	HSK63A x SFC12 - 160	192	160	47	124	12	24	32	M10	110	1.35
5073-651-012-200	HSK63A x SFC12 - 200	232	200	47	164	12	24	32	M10	110	1.60
5073-651-014-090	HSK63A x SFC14 - 90	122	90	47	59	14	27	34	M10	150	0.97
5073-651-014-130	HSK63A x SFC14 - 130	162	130	47	99	14	27	34	M10	150	1.23
5073-651-014-160	HSK63A x SFC14 - 160	192	160	47	129	14	27	34	M10	150	1.44
5073-651-014-200	HSK63A x SFC14 - 200	232	200	47	169	14	27	34	M10	150	1.72
5073-651-016-095	HSK63A x SFC16 - 95	127	95	50	64	16	27	34	M12	200	0.98
5073-651-016-130	HSK63A x SFC16 - 130	162	130	50	99	16	27	34	M12	200	1.21
5073-651-016-160	HSK63A x SFC16 - 160	192	160	50	129	16	27	34	M12	200	1.42
5073-651-016-200	HSK63A x SFC16 - 200	232	200	50	169	16	27	34	M12	200	1.70

Features:

- ▶ Use thermal expansion to clamp tools. High rigidity and can reach high revolution. Runout is within 5μm.
- ▶ Use with shrink fit machine.
- ▶ 4.5° design allows bigger diameter which has better rigidity. Suitable for general machining.

Product information:

- ▶ We accept special order of the design with 6 threaded holes for balance (w/o balancing screws).
- ▶ Higher balancing grade and revolution can be done upon request but additional charge is needed.
- ▶ For tool shank with h6 tolerance, such as Form HA to DIN6535 and Form A to DIN 1835-1, except that the internal hole of Shrink Fit Chuck is less than 6mm.

Coolant Supply Unit Key For Coolant Supply Unit Preset Screw

		
P.X-70	P.X-70	P.X-111



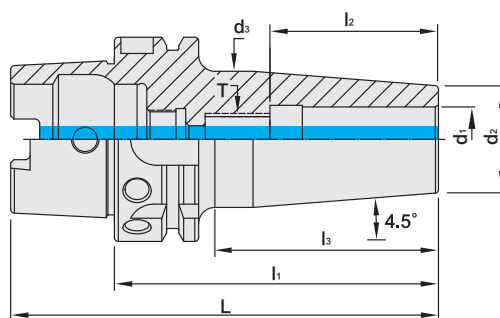
HSK / SFC SHRINK FIT CHUCK

4.5°

BALANCE
G2.5
25,000 RPM

HSK / SFC 熱膨脹刀桿

[DIN 69893-1]



MODEL NO.	TYPE	L	l ₁	l ₂	l ₃	d ₁	d ₂	d ₃	T	TORQUE N·m min	WEIGHT (KGS)
5073-651-018-095	HSK63A x SFC18 - 95	127	95	50	64	18	33	42	M12	250	1.15
5073-651-018-130	HSK63A x SFC18 - 130	162	130	50	89	18	33	42	M12	250	1.51
5073-651-018-160	HSK63A x SFC18 - 160	192	160	50	89	18	33	42	M12	250	1.83
5073-651-018-200	HSK63A x SFC18 - 200	232	200	50	129	18	33	42	M12	250	2.26
5073-651-019-100	HSK63A x SFC19 - 100	132	100	60	69	19	33	42	-	320	1.16
5073-651-020-100	HSK63A x SFC20 - 100	132	100	52	69	20	33	42	M16	320	1.17
5073-651-020-130	HSK63A x SFC20 - 130	162	130	52	99	20	33	42	M16	320	1.48
5073-651-020-160	HSK63A x SFC20 - 160	192	160	52	129	20	33	42	M16	320	1.80
5073-651-020-200	HSK63A x SFC20 - 200	232	200	52	169	20	33	42	M16	320	2.23
5073-651-024-115	HSK63A x SFC24 - 115	147	115	72	88.6	24	44	53	-	500	1.71
5073-651-025-115	HSK63A x SFC25 - 115	147	115	58	88.5	25	44	53	M20	500	1.67
5073-651-025-130	HSK63A x SFC25 - 130	162	130	58	103.5	25	44	53	M20	500	2.00
5073-651-025-160	HSK63A x SFC25 - 160	192	160	58	133.5	25	44	53	M20	500	2.51
5073-651-025-200	HSK63A x SFC25 - 200	232	200	58	173.5	25	44	53	M20	500	3.19
5073-651-032-120	HSK63A x SFC32 - 120	152	120	58	93	32	44	53	M20	550	1.67
5073-651-032-160	HSK63A x SFC32 - 160	192	160	58	134	32	44	53	M20	550	2.37
5073-651-032-200	HSK63A x SFC32 - 200	232	200	58	174	32	44	53	M20	550	3.05

Features:

- ▶ Use thermal expansion to clamp tools. High rigidity and can reach high revolution. Runout is within 5μm.
- ▶ Use with shrink fit machine.
- ▶ 4.5° design allows bigger diameter which has better rigidity. Suitable for general machining.

Product information:

- ▶ We accept special order of the design with 6 threaded holes for balance (w/o balancing screws).
- ▶ Higher balancing grade and revolution can be done upon request but additional charge is needed.
- ▶ For tool shank with h6 tolerance, such as Form HA to DIN6535 and Form A to DIN 1835-1, except that the internal hole of Shrink Fit Chuck is less than 6mm.

Coolant Supply Unit Key For Coolant Supply Unit Preset Screw

		
P.X-70	P.X-70	P.X-111

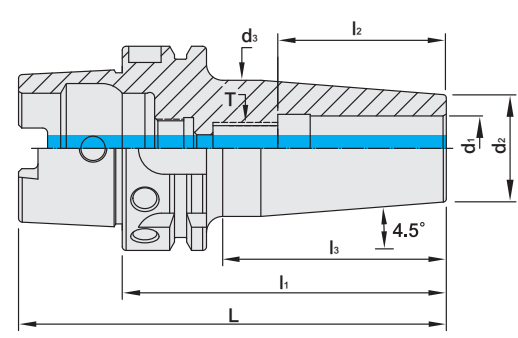


HSK / SFC SHRINK FIT CHUCK

4.5°
BALANCE
G2.5
25,000 RPM

HSK / SFC 熱膨脹刀桿

(DIN 69893-1)



MODEL NO.	TYPE	L	l ₁	l ₂	l ₃	d ₁	d ₂	d ₃	T	TORQUE N·m min	WEIGHT (KGS)
5075-651-006-085	HSK100A x SFC6 - 85	135	85	36	46	6	21	27	M5	18	2.21
5075-651-006-130	HSK100A x SFC6 - 130	180	130	36	91	6	21	27	M5	18	2.36
5075-651-006-160	HSK100A x SFC6 - 160	210	160	36	91	6	21	27	M5	18	2.50
5075-651-006-200	HSK100A x SFC6 - 200	250	200	36	131	6	21	27	M5	18	2.67
5075-651-008-085	HSK100A x SFC8 - 85	135	85	36	46	8	21	27	M6	35	2.20
5075-651-008-130	HSK100A x SFC8 - 130	180	130	36	91	8	21	27	M6	35	2.35
5075-651-008-160	HSK100A x SFC8 - 160	210	160	36	91	8	21	27	M6	35	2.49
5075-651-008-200	HSK100A x SFC8 - 200	250	200	36	131	8	21	27	M6	35	2.66
5075-651-010-090	HSK100A x SFC10 - 90	140	90	42	51	10	24	32	M8	65	2.28
5075-651-010-130	HSK100A x SFC10 - 130	180	130	42	91	10	24	32	M8	65	2.49
5075-651-010-160	HSK100A x SFC10 - 160	210	160	42	91	10	24	32	M8	65	2.68
5075-651-010-200	HSK100A x SFC10 - 200	250	200	42	131	10	24	32	M8	65	2.92
5075-651-012-095	HSK100A x SFC12 - 95	145	95	47	56	12	24	32	M10	110	2.30
5075-651-012-130	HSK100A x SFC12 - 130	180	130	47	91	12	24	32	M10	65	2.47
5075-651-012-160	HSK100A x SFC12 - 160	210	160	47	91	12	24	32	M10	110	2.66
5075-651-012-200	HSK100A x SFC12 - 200	250	200	47	131	12	24	32	M10	110	2.91
5075-651-014-095	HSK100A x SFC14 - 95	145	95	47	56	14	27	34	M10	150	2.35
5075-651-014-130	HSK100A x SFC14 - 130	180	130	47	91	14	27	34	M10	150	2.55
5075-651-014-160	HSK100A x SFC14 - 160	210	160	47	116	14	27	34	M10	150	2.76
5075-651-014-200	HSK100A x SFC14 - 200	250	200	47	156	14	27	34	M10	150	3.04
5075-651-016-100	HSK100A x SFC16 - 100	150	100	50	61	16	27	34	M12	200	2.36
5075-651-016-130	HSK100A x SFC16 - 130	180	130	50	91	16	27	34	M12	200	2.53
5075-651-016-160	HSK100A x SFC16 - 160	210	160	50	91	16	27	34	M12	200	2.74
5075-651-016-200	HSK100A x SFC16 - 200	250	200	50	131	16	27	34	M12	200	3.02

Features:

- ▶ Use thermal expansion to clamp tools. High rigidity and can reach high revolution. Runout is within 5μm.
- ▶ Use with shrink fit machine.
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Product information:

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Coolant Supply Unit
Key For Coolant Supply Unit
Preset Screw





P.X-70
P.X-70
P.X-111



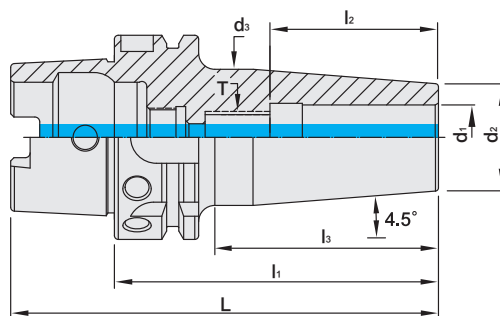
HSK / SFC SHRINK FIT CHUCK

4.5°

BALANCE
G2.5
25,000 RPM

HSK / SFC 熱膨脹刀桿

[DIN 69893-1]



MODEL NO.	TYPE	L	l ₁	l ₂	l ₃	d ₁	d ₂	d ₃	T	TORQUE N·m min	WEIGHT (KGS)
5075-651-018-100	HSK100A x SFC18 - 100	150	100	50	66	18	33	42	M12	250	2.52
5075-651-018-130	HSK100A x SFC18 - 130	180	130	50	91	18	33	42	M12	250	2.82
5075-651-018-160	HSK100A x SFC18 - 160	210	160	50	91	18	33	42	M12	250	3.14
5075-651-018-200	HSK100A x SFC18 - 200	250	200	50	131	18	33	42	M12	250	3.57
5075-651-019-105	HSK100A x SFC19 - 105	155	105	60	71	19	33	42	-	320	2.50
5075-651-020-105	HSK100A x SFC20 - 105	155	105	52	71	20	33	42	M16	320	2.53
5075-651-020-130	HSK100A x SFC20 - 130	180	130	52	96	20	33	42	M16	320	2.79
5075-651-020-160	HSK100A x SFC20 - 160	210	160	52	91	20	33	42	M16	320	3.11
5075-651-020-200	HSK100A x SFC20 - 200	250	200	52	131	20	33	42	M16	320	3.54
5075-651-024-115	HSK100A x SFC24 - 115	165	115	72	81	24	44	53	-	500	2.99
5075-651-025-115	HSK100A x SFC25 - 115	165	115	58	81	25	44	53	M20	500	3.04
5075-651-025-160	HSK100A x SFC25 - 160	210	160	58	116	25	44	53	M20	500	3.82
5075-651-025-200	HSK100A x SFC25 - 200	250	200	58	156	25	44	53	M20	500	4.50
5075-651-032-120	HSK100A x SFC32 - 120	170	120	58	86	32	44	53	M20	550	2.98
5075-651-032-160	HSK100A x SFC32 - 160	210	160	58	126	32	44	53	M20	550	3.68
5075-651-032-200	HSK100A x SFC32 - 200	250	200	58	156	32	44	53	M20	550	4.36

Features:

- Use thermal expansion to clamp tools. High rigidity and can reach high revolution. Runout is within 5μm.
- Use with shrink fit machine.
- 4.5° design allows bigger diameter which has better rigidity. Suitable for general machining.

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Coolant Supply Unit Key For Coolant Supply Unit Preset Screw

		
P.X-70	P.X-70	P.X-111

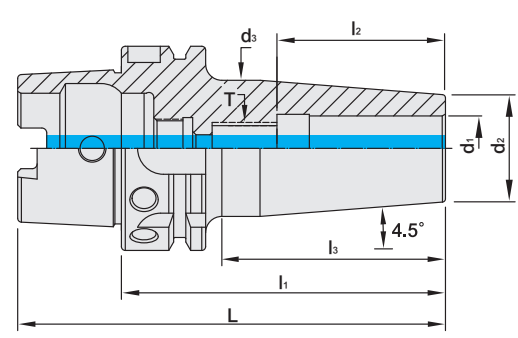


HSK / SFC SHRINK FIT CHUCK

4.5°
BALANCE
G2.5
25,000 RPM

HSK / SFC 熱膨脹刀桿

(DIN 69893-1)



MODEL NO.	TYPE	L	l ₁	l ₂	l ₃	d ₁	d ₂	d ₃	T	TORQUE N·m min	WEIGHT (KGS)
5076-651-010-130	HSK125A x SFC10 - 130	193	130	42	75	10	24	32	M8	65	4.39
5076-651-010-160	HSK125A x SFC10 - 160	223	160	42	75	10	24	32	M8	65	5.25
5076-651-010-200	HSK125A x SFC10 - 200	263	200	42	75	10	24	32	M8	65	6.37
5076-651-012-130	HSK125A x SFC12 - 130	193	130	47	75	12	24	32	M10	110	4.37
5076-651-012-160	HSK125A x SFC12 - 160	223	160	47	75	12	24	32	M10	110	5.24
5076-651-012-200	HSK125A x SFC12 - 200	263	200	47	75	12	24	32	M10	110	6.36
5076-651-016-130	HSK125A x SFC16 - 130	193	130	50	75	16	27	34	M12	200	4.65
5076-651-016-160	HSK125A x SFC16 - 160	223	160	50	75	16	27	34	M12	200	5.61
5076-651-016-200	HSK125A x SFC16 - 200	263	200	50	75	16	27	34	M12	200	6.45
5076-651-020-115	HSK125A x SFC20 - 115	178	115	52	60	20	33	42	M16	320	4.51
5076-651-020-130	HSK125A x SFC20 - 130	193	130	52	75	20	33	42	M16	320	4.65
5076-651-020-160	HSK125A x SFC20 - 160	223	160	52	75	20	33	42	M16	320	5.61
5076-651-020-200	HSK125A x SFC20 - 200	263	200	52	75	20	33	42	M16	320	6.87
5076-651-025-115	HSK125A x SFC25 - 115	178	115	58	60	25	44	53	M20	500	4.86
5076-651-025-130	HSK125A x SFC25 - 130	193	130	58	75	25	44	53	M20	500	5.09
5076-651-025-160	HSK125A x SFC25 - 160	223	160	58	75	25	44	53	M20	500	6.18
5076-651-025-200	HSK125A x SFC25 - 200	263	200	58	75	25	44	53	M20	500	7.60
5076-651-032-120	HSK125A x SFC32 - 120	183	120	58	65	32	44	53	M20	550	4.80

Features:

- ▶ Use thermal expansion to clamp tools. High rigidity and can reach high revolution. Runout is within 5μm.
- ▶ Use with shrink fit machine.
- ▶ 4.5° design allows bigger diameter which has better rigidity. Suitable for general machining.

Product information:

- ▶ We accept special order of the design with 6 threaded holes for balance (w/o balancing screws).
- ▶ Higher balancing grade and revolution can be done upon request but additional charge is needed.
- ▶ For tool shank with h6 tolerance, such as Form HA to DIN6535 and Form A to DIN 1835-1, except that the internal hole of Shrink Fit Chuck is less than 6mm.

P.X-70	P.X-111



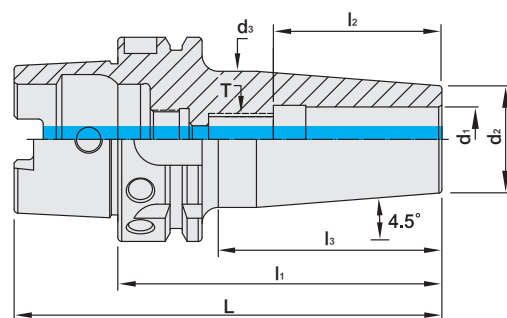
HSK / SFC SHRINK FIT CHUCK

4.5°

BALANCE
G2.5
25,000 RPM

HSK / SFC 熱膨脹刀桿

[DIN 69893-1]



INCHES

MODEL NO.	TYPE	L	l ₁	l ₂	l ₃	d ₁	d ₂	d ₃	T	TORQUE N·m min	WEIGHT (KGS)
5071-651-A12-354	HSK40A x SFC3/16" - 3.54"	4.33	3.54	0.79	2.55	0.1875	0.43	0.79	-	18	0.29
5071-651-A16-354	HSK40A x SFC1/4" - 3.54"	4.33	3.54	1.42	2.04	0.25	0.71	1.03	M5	18	0.41
5071-651-A20-354	HSK40A x SFC5/16" - 3.54"	4.33	3.54	1.42	2.63	0.3125	0.79	1.06	M6	35	0.43
5071-651-A24-354	HSK40A x SFC3/8" - 3.54"	4.33	3.54	1.53	2.67	0.375	0.94	1.26	M8	65	0.52
5071-651-A32-354	HSK40A x SFC1/2" - 3.54"	4.33	3.54	1.85	2.71	0.5	1.1	1.34	M10	110	0.58
5072-651-A12-354	HSK50A x SFC3/16" - 3.54"	4.53	3.54	0.79	2.15	0.1875	0.43	0.76	M6	18	0.48
5072-651-A16-354	HSK50A x SFC1/4" - 3.54"	4.53	3.54	1.42	2.04	0.25	0.71	1.03	M5	18	0.58
5072-651-A20-354	HSK50A x SFC5/16" - 3.54"	4.53	3.54	1.42	2.32	0.3125	0.79	1.06	M6	35	0.60
5072-651-A24-354	HSK50A x SFC3/8" - 3.54"	4.53	3.54	1.53	2.32	0.375	0.94	1.26	M8	65	0.69
5072-651-A32-354	HSK50A x SFC1/2" - 3.54"	4.53	3.54	1.85	2.4	0.5	1.1	1.34	M10	110	0.74
5072-651-A40-354	HSK50A x SFC5/8" - 3.54"	4.53	3.54	1.97	2.4	0.625	1.06	1.34	M12	200	0.69
5072-651-A48-394	HSK50A x SFC3/4" - 3.94"	4.93	3.94	2.04	2.89	0.75	1.42	1.65	M16	320	0.91
5073-651-A12-394	HSK63A x SFC3/16" - 3.94"	5.2	3.94	0.79	2.71	0.1875	0.43	0.79	M6	18	0.74
5073-651-A16-394	HSK63A x SFC1/4" - 3.94"	5.2	3.94	1.42	2.71	0.25	0.71	1.06	M5	18	0.88
5073-651-A20-394	HSK63A x SFC5/16" - 3.94"	5.2	3.94	1.42	2.71	0.3125	0.79	1.06	M6	35	0.90
5073-651-A24-394	HSK63A x SFC3/8" - 3.94"	5.2	3.94	1.65	2.71	0.375	0.94	1.26	M8	65	1.00
5073-651-A32-394	HSK63A x SFC1/2" - 3.94"	5.2	3.94	1.85	2.71	0.5	1.1	1.38	M10	110	1.08
5073-651-A40-394	HSK63A x SFC5/8" - 3.94"	5.2	3.94	1.97	2.71	0.625	1.06	1.34	M12	200	1.01
5073-651-A48-394	HSK63A x SFC3/4" - 3.94"	5.2	3.94	2.04	2.71	0.75	1.42	1.65	M16	320	1.25
5073-651-A64-394	HSK63A x SFC1" - 3.94"	5.2	3.94	2.28	2.71	1	1.42	1.65	M20	500	1.12

Features:

- ▶ Use thermal expansion to clamp tools. High rigidity and can reach high revolution. Runout is within 5μm.
- ▶ Use with shrink fit machine.
- ▶ 4.5° design allows bigger diameter which has better rigidity. Suitable for general machining.

Product information:

- ▶ We accept special order of the design with 6 threaded holes for balance (w/o balancing screws).
- ▶ Higher balancing grade and revolution can be done upon request but additional charge is needed.
- ▶ For tool shank with h6 tolerance, such as Form HA to DIN6535 and Form A to DIN 1835-1, except that the internal hole of Shrink Fit Chuck is less than 6mm.

Coolant Supply Unit Key For Coolant Supply Unit Preset Screw

		
P.X-70	P.X-70	P.X-111



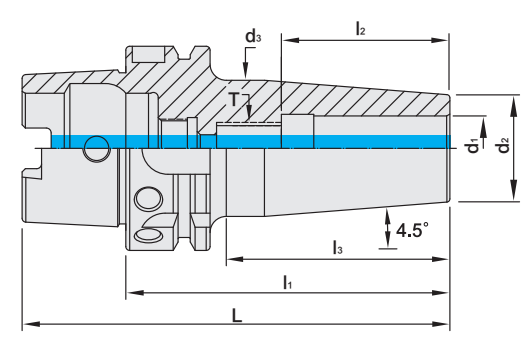
HSK / SFC SHRINK FIT CHUCK

4.5°

BALANCE
G2.5
25,000 RPM

HSK / SFC 熱膨脹刀桿

(DIN 69893-1)



INCHES

MODEL NO.	TYPE	L	l ₁	l ₂	l ₃	d ₁	d ₂	d ₃	T	TORQUE N·m min	WEIGHT (KGS)
5075-651-A16-354	HSK100A x SFC 1/4" - 3.54"	5.51	3.54	1.42	2.04	0.25	0.71	1.03	M5	18	2.17
5075-651-A20-335	HSK100A x SFC 5/16" - 3.35"	5.51	3.35	1.42	2	0.3125	0.79	1.06	M6	18	2.17
5075-651-A24-354	HSK100A x SFC 3/8" - 3.54"	5.51	3.54	1.53	2.2	0.375	0.94	1.26	M8	35	2.27
5075-651-A32-374	HSK100A x SFC 1/2" - 3.74"	5.71	3.74	1.85	2.4	0.5	1.1	1.34	M10	65	2.36
5075-651-A40-394	HSK100A x SFC 5/8" - 3.94"	5.91	3.94	1.97	2.59	0.625	1.06	1.34	M12	110	2.34
5075-651-A48-413	HSK100A x SFC 3/4" - 4.13"	6.1	4.13	2.04	2.79	0.75	1.42	1.65	M16	320	2.62
5075-651-A64-453	HSK100A x SFC 1" - 4.53"	6.5	4.53	2.28	3.18	1	2.09	1.81	M20	500	3.13
5075-651-A72-472	HSK100A x SFC 1-1/4" - 4.72"	6.69	4.72	2.28	3.18	1.25	2.09	1.81	M20	550	3.07
5076-651-A48-453	HSK125A x SFC 3/4" - 4.53"	7.01	4.53	2.04	2.36	0.75	1.42	1.65	M16	320	4.59
5076-651-A64-453	HSK125A x SFC 1" - 4.53"	7.01	4.53	2.28	2.36	1	1.81	2.09	M20	500	4.92
5076-651-A72-472	HSK125A x SFC 1-1/4" - 4.72"	7.2	4.72	2.28	2.56	1.25	1.81	2.09	M20	550	4.87
5076-651-A80-550	HSK125A x SFC 1-1/2" - 5.5"	7.98	5.5	2.28	3.33	1.5	1.81	2.09	M20	-	5.01
5076-651-A96-551	HSK125A x SFC 2" - 5.51"	7.99	5.51	2.6	3.34	2	2.72	3.11	M20	-	6.37

Features:

- ▶ Use thermal expansion to clamp tools. High rigidity and can reach high revolution. Runout is within 5µm.
- ▶ Use with shrink fit machine.
- ▶ 4.5° design allows bigger diameter which has better rigidity. Suitable for general machining.

Product information:

- ▶ We accept special order of the design with 6 threaded holes for balance (w/o balancing screws).
- ▶ Higher balancing grade and revolution can be done upon request but additional charge is needed.
- ▶ For tool shank with h6 tolerance, such as Form HA to DIN6535 and Form A to DIN 1835-1, except that the internal hole of Shrink Fit Chuck is less than 6mm.

Coolant Supply Unit Key For Coolant Supply Unit Preset Screw

P.X-70	P.X-70	P.X-111



HSK / SFCT SHRINK FIT CHUCK

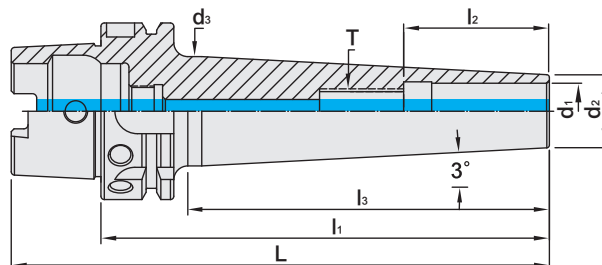
LENGTHENED TYPE

3°

BALANCE
G2.5
25,000 RPM

HSK / SFCT 熱膨脹刀桿

[DIN 69893-1]



MODEL NO.	TYPE	L	l ₁	l ₂	l ₃	d ₁	d ₂	d ₃	T	TORQUE N·m min	WEIGHT (KGS)
5071-793-003-120	HSK40A x SFCT3 - 120	140	120	18	95	3	9	18	-	18	0.30
5071-793-004-120	HSK40A x SFCT4 - 120	140	120	20	95	4	10	18	-	18	0.32
5071-793-005-120	HSK40A x SFCT5 - 120	140	120	20	95	5	11	20	-	18	0.34
5071-793-006-120	HSK40A x SFCT6 - 120	140	120	36	95	6	12	20	M5	18	0.35
5071-793-008-120	HSK40A x SFCT8 - 120	140	120	36	89	8	14	24	M6	35	0.40
5071-793-010-120	HSK40A x SFCT10 - 120	140	120	42	89	10	16	26	M8	65	0.44
5071-793-012-120	HSK40A x SFCT12 - 120	140	120	47	89	12	18	28	M10	110	0.47
5072-793-003-120	HSK50A x SFCT3 - 120	145	120	18	89	3	9	18	-	18	0.49
5072-793-004-120	HSK50A x SFCT4 - 120	145	120	20	89	4	10	18	-	18	0.49
5072-793-005-120	HSK50A x SFCT5 - 120	145	120	20	89	5	11	20	-	18	0.51
5072-793-006-120	HSK50A x SFCT6 - 120	145	120	36	89	6	12	20	M5	18	0.53
5072-793-008-120	HSK50A x SFCT8 - 120	145	120	36	83	8	14	24	M6	35	0.57
5072-793-010-120	HSK50A x SFCT10 - 120	145	120	42	83	10	16	26	M8	65	0.60
5072-793-012-120	HSK50A x SFCT12 - 120	145	120	47	83	12	18	28	M10	110	0.64
5072-793-014-120	HSK50A x SFCT14 - 120	145	120	47	83	14	20	30	M10	150	0.68
5072-793-016-120	HSK50A x SFCT16 - 120	145	120	50	83	16	22	32	M12	200	0.71
5072-793-018-120	HSK50A x SFCT18 - 120	145	120	52	89	18	24	32	M12	250	0.74
5072-793-020-160	HSK50A x SFCT20 - 160	185	160	52	129	20	26	35	M16	320	1.07
5072-793-025-160	HSK50A x SFCT25 - 160	185	160	47	132	25	31	40	M20	500	1.26

Features:

- Use thermal expansion to clamp tools. High rigidity and can reach high revolution. Runout is within 5μm.
- Use with shrink fit machine.
- 3° design makes it more slim, decreasing interference. Suitable for mold making industry.

Product information:

- We accept special order of the design with 6 threaded holes for balance (w/o balancing screws).
- Higher balancing grade and revolution can be done upon request but additional charge is needed.
- For tool shank with h6 tolerance, such as Form HA to DIN6535 and Form A to DIN 1835-1, except that the internal hole of Shrink Fit Chuck is less than 6mm.

Coolant Supply Unit Key For Coolant Supply Unit Preset Screw



P.X-70



P.X-70



P.X-111

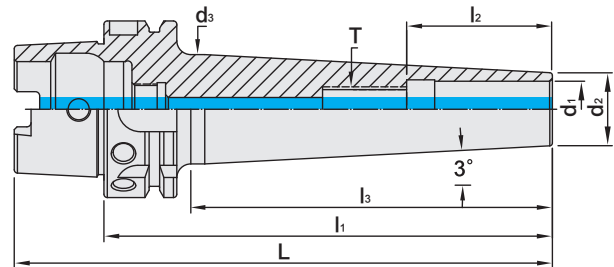


HSK / SFCT SHRINK FIT CHUCK

LENGTHENED TYPE

HSK / SFCT 熱膨脹刀桿

[DIN 69893-1]



MODEL NO.	TYPE	L	l ₁	l ₂	l ₃	d ₁	d ₂	d ₃	T	TORQUE N·m min	WEIGHT (KGS)
5073-793-003-120	HSK63A x SFCT3 - 120	152	120	18	84	3	9	18	-	18	0.73
5073-793-003-160	HSK63A x SFCT3 - 160	192	160	18	129	3	9	20	-	18	0.81
5073-793-004-120	HSK63A x SFCT4 - 120	152	120	20	89	4	10	18	-	18	0.75
5073-793-004-160	HSK63A x SFCT4 - 160	192	160	20	129	4	10	20	-	18	0.85
5073-793-005-120	HSK63A x SFCT5 - 120	152	120	20	91	5	11	20	M6	18	0.76
5073-793-005-160	HSK63A x SFCT5 - 160	192	160	20	123	5	11	25	-	18	0.87
5073-793-006-120	HSK63A x SFCT6 - 120	152	120	36	89	6	12	20	M5	18	0.78
5073-793-006-160	HSK63A x SFCT6 - 160	192	160	36	124	6	12	25	M5	18	0.92
5073-793-008-120	HSK63A x SFCT8 - 120	152	120	36	83	8	14	24	M6	35	0.82
5073-793-008-160	HSK63A x SFCT8 - 160	192	160	36	122	8	14	29	M6	35	0.97
5073-793-010-120	HSK63A x SFCT10 - 120	152	120	42	78	10	16	26	M8	65	0.86
5073-793-010-160	HSK63A x SFCT10 - 160	192	160	42	122	10	16	31	M8	65	1.04
5073-793-012-120	HSK63A x SFCT12 - 120	152	120	47	78	12	18	28	M10	110	0.89
5073-793-012-160	HSK63A x SFCT12 - 160	192	160	47	122	12	18	33	M10	110	1.10
5073-793-014-120	HSK63A x SFCT14 - 120	152	120	47	83	14	20	30	M10	150	0.93
5073-793-014-160	HSK63A x SFCT14 - 160	192	160	47	122	14	20	35	M10	150	1.17
5073-793-016-120	HSK63A x SFCT16 - 120	152	120	50	83	16	22	32	M12	200	0.96
5073-793-016-160	HSK63A x SFCT16 - 160	192	160	50	122	16	22	37	M12	200	1.23
5073-793-018-120	HSK63A x SFCT18 - 120	152	120	50	89	18	24	32	M12	250	1.00
5073-793-018-160	HSK63A x SFCT18 - 160	192	160	50	122	18	24	39	M12	250	1.31
5073-793-020-160	HSK63A x SFCT20 - 160	192	160	52	129	20	26	39	M16	320	1.37
5073-793-025-160	HSK63A x SFCT25 - 160	192	160	58	123	25	31	45	M20	500	1.55
5073-793-032-160	HSK63A x SFCT32 - 160	192	160	58	129	32	38	49	M20	550	1.85

Features:

- ▶ Use thermal expansion to clamp tools. High rigidity and can reach high revolution. Runout is within 5μm.
- ▶ Use with shrink fit machine.
- ▶ 3° design makes it more slim, decreasing interference. Suitable for mold making industry.

Product information:

- ▶ We accept special order of the design with 6 threaded holes for balance (w/o balancing screws).
- ▶ Higher balancing grade and revolution can be done upon request but additional charge is needed.
- ▶ For tool shank with h6 tolerance, such as Form HA to DIN6535 and Form A to DIN 1835-1, except that the internal hole of Shrink Fit Chuck is less than 6mm.

Coolant Supply Unit Key For Coolant Supply Unit Preset Screw

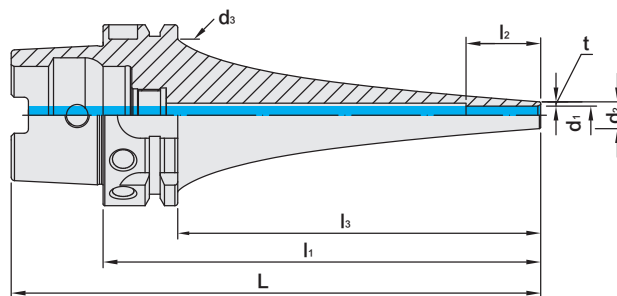


HSK / SFC SHRINK FIT CHUCK

CUL TYPE



HSK / SFC 熱膨脹刀桿 [CUL型]



MODEL NO.	TYPE	L	l ₁	l ₂	l ₃	d ₁	d ₂	d ₃	t	WEIGHT (KGS)
5073-768-004-150	HSK63A x SFC4 - 150CUL	182	150	10	124	4	10	53	3	0.9
5073-768-004-200	HSK63A x SFC4 - 200CUL	232	200	10	174	4	10	53	3	1.1
5073-768-004-250	HSK63A x SFC4 - 250CUL	282	250	10	224	4	10	53	3	1.6
5073-768-004-300	HSK63A x SFC4 - 300CUL	332	300	10	274	4	10	53	3	2.3
5073-768-006-150	HSK63A x SFC6 - 150CUL	182	150	20	124	6	13	53	3.5	1.3
5073-768-006-200	HSK63A x SFC6 - 200CUL	232	200	20	174	6	13	53	3.5	1.4
5073-768-006-250	HSK63A x SFC6 - 250CUL	282	250	20	224	6	13	53	3.5	1.8
5073-768-006-300	HSK63A x SFC6 - 300CUL	332	300	20	274	6	13	53	3.5	2.3
5073-768-008-150	HSK63A x SFC8 - 150CUL	182	150	26	124	8	16	53	4	1.4
5073-768-008-200	HSK63A x SFC8 - 200CUL	232	200	26	174	8	16	53	4	1.6
5073-768-008-250	HSK63A x SFC8 - 250CUL	282	250	26	224	8	16	53	4	1.9
5073-768-008-300	HSK63A x SFC8 - 300CUL	332	300	26	274	8	16	53	4	2.3
5073-768-010-150	HSK63A x SFC10 - 150CUL	182	150	32	124	10	19	53	4.5	1.3
5073-768-010-200	HSK63A x SFC10 - 200CUL	232	200	32	174	10	19	53	4.5	1.6
5073-768-010-250	HSK63A x SFC10 - 250CUL	282	250	32	224	10	19	53	4.5	2.1
5073-768-010-300	HSK63A x SFC10 - 300CUL	332	300	32	274	10	19	53	4.5	2.3
5073-768-012-150	HSK63A x SFC12 - 150CUL	182	150	37	124	12	22	53	5	1.5
5073-768-012-200	HSK63A x SFC12 - 200CUL	232	200	37	174	12	22	53	5	1.6
5073-768-012-250	HSK63A x SFC12 - 250CUL	282	250	37	224	12	22	53	5	2.3
5073-768-012-300	HSK63A x SFC12 - 300CUL	332	300	37	274	12	22	53	5	2.5

Features:

- ▶ CUL type increases rigidity and avoids interference.
- ▶ The most ideal tool holder design for 5 axis machining center.
- ▶ The design of slim nose and short overhanging length of cutter extend tool use life.
- ▶ The design of thick neck improves the rigidity during machining and product quality.

Product information:

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

Coolant Supply Unit Key For Coolant Supply Unit



P.X-70



P.X-70

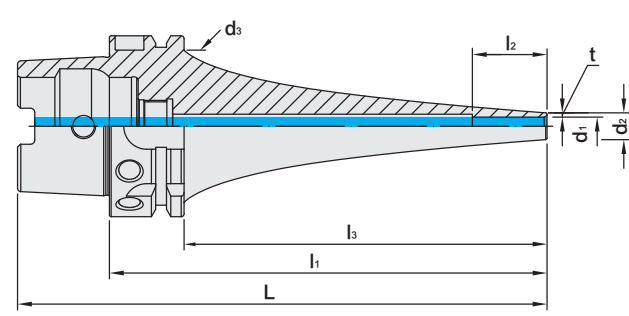


HSK / SFC SHRINK FIT CHUCK

CUL TYPE



HSK / SFC 熱膨脹刀桿 [CUL型]



MODEL NO.	TYPE	L	l ₁	l ₂	l ₃	d ₁	d ₂	d ₃	t	WEIGHT (KGS)
5075-768-004-150	HSK100A x SFC4 - 150CUL	200	150	10	121	4	10	85	3	3.6
5075-768-004-200	HSK100A x SFC4 - 200CUL	250	200	10	171	4	10	85	3	4.1
5075-768-004-250	HSK100A x SFC4 - 250CUL	300	250	10	221	4	10	85	3	4.5
5075-768-004-300	HSK100A x SFC4 - 300CUL	350	300	10	271	4	10	85	3	4.8
5075-768-006-150	HSK100A x SFC6 - 150CUL	200	150	20	121	6	13	85	3.5	6.6
5075-768-006-200	HSK100A x SFC6 - 200CUL	250	200	20	171	6	13	85	3.5	4.7
5075-768-006-250	HSK100A x SFC6 - 250CUL	300	250	20	221	6	13	85	3.5	5.4
5075-768-006-300	HSK100A x SFC6 - 300CUL	350	300	20	271	6	13	85	3.5	6.1
5075-768-008-150	HSK100A x SFC8 - 150CUL	200	150	26	121	8	16	85	4	6.5
5075-768-008-200	HSK100A x SFC8 - 200CUL	250	200	26	171	8	16	85	4	6.9
5075-768-008-250	HSK100A x SFC8 - 250CUL	300	250	26	221	8	16	85	4	4.6
5075-768-008-300	HSK100A x SFC8 - 300CUL	350	300	26	271	8	16	85	4	4.9
5075-768-010-150	HSK100A x SFC10 - 150CUL	200	150	32	121	10	19	85	4.5	3.5
5075-768-010-200	HSK100A x SFC10 - 200CUL	250	200	32	171	10	19	85	4.5	4.1
5075-768-010-250	HSK100A x SFC10 - 250CUL	300	250	32	221	10	19	85	4.5	4.9
5075-768-010-300	HSK100A x SFC10 - 300CUL	350	300	32	271	10	19	85	4.5	5.2
5075-768-012-150	HSK100A x SFC12 - 150CUL	200	150	37	121	12	22	85	5	3.6
5075-768-012-200	HSK100A x SFC12 - 200CUL	250	200	37	171	12	22	85	5	4.4
5075-768-012-250	HSK100A x SFC12 - 250CUL	300	250	37	221	12	22	85	5	4.6
5075-768-012-300	HSK100A x SFC12 - 300CUL	350	300	37	271	12	22	85	5	4.8

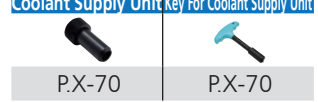
Features:

- ▶ CUL type increases rigidity and avoids interference.
- ▶ The most ideal tool holder design for 5 axis machining center.
- ▶ The design of slim nose and short overhanging length of cutter extend tool use life.
- ▶ The design of thick neck improves the rigidity during machining and product quality.

Product information:

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

Coolant Supply Unit Key For Coolant Supply Unit



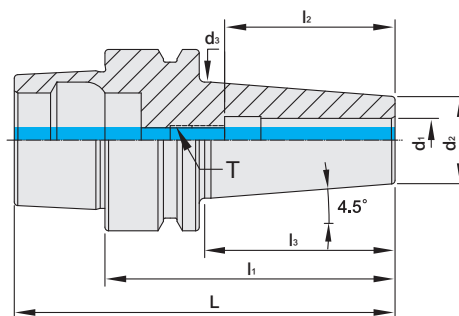
HSK / SFC SHRINK FIT CHUCK

4.5°

BALANCE
G2.5
25,000 RPM

HSK / SFC 熱膨脹刀桿

(DIN 69893-5)



MODEL NO.	TYPE	L	l ₁	l ₂	l ₃	d ₁	d ₂	d ₃	T	TORQUE N·m min	WEIGHT (KGS)
5097-651-003-050	HSK25E x SFC3 - 50	63	50	18	37	3	9	13	-	18	0.07
5097-651-004-050	HSK25E x SFC4 - 50	63	50	20	38	4	10	16.079	-	18	0.08
5097-651-005-050	HSK25E x SFC5 - 50	63	50	20	39	5	16	20	-	18	0.12
5098-651-003-050	HSK32E x SFC3 - 50	66	50	18	27	3	9	13.287	-	18	0.14
5098-651-003-060	HSK32E x SFC3 - 60	76	60	18	35.3	3	10	15.5	-	18	0.16
5098-651-004-050	HSK32E x SFC4 - 50	66	50	20	27	4	10	14.287	-	18	0.14
5098-651-004-060	HSK32E x SFC4 - 60	76	60	20	35.3	4	10	15.5	-	18	0.16
5098-651-005-050	HSK32E x SFC5 - 50	66	50	20	29	5	16	20	-	18	0.17
5098-651-005-060	HSK32E x SFC5 - 60	76	60	20	35.3	5	10	15.5	-	18	0.16
5098-651-006-050	HSK32E x SFC6 - 50	66	50	36	29	6	21	25	-	18	0.21
5098-651-006-070	HSK32E x SFC6 - 70	86	70	36	50	6	21	26	M5	18	0.29
5098-651-008-060	HSK32E x SFC8 - 60	76	60	36	39	8	21	26	M6	35	0.24
5098-651-008-070	HSK32E x SFC8 - 70	86	70	36	50	8	21	26	M6	35	0.28
5098-651-010-060	HSK32E x SFC10 - 60	76	60	42	39	10	21	26	M8	65	0.23
5098-651-010-080	HSK32E x SFC10 - 80	96	80	42	50	10	24	32	M8	65	0.36
5098-651-012-070	HSK32E x SFC12 - 70	86	70	47	49	12	21	26	M10	110	0.26

Features:

- Use thermal expansion to clamp tools. High rigidity and can reach high revolution. Runout is within 5μm.
- Use with shrink fit machine.
- 4.5° design allows bigger diameter which has better rigidity. Suitable for general machining.

Product information:

- We accept special order of the design with 6 threaded holes for balance (w/o balancing screws).
- Higher balancing grade and revolution can be done upon request but additional charge is needed.
- For tool shank with h6 tolerance, such as Form HA to DIN6535 and Form A to DIN 1835-1, except that the internal hole of Shrink Fit Chuck is less than 6mm.

Coolant Supply Unit Key For Coolant Supply Unit Preset Screw

		
P.X-70	P.X-70	P.X-111

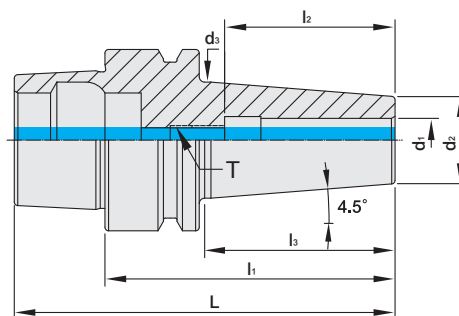


HSK / SFC SHRINK FIT CHUCK

HSK / SFC 熱膨脹刀桿

(DIN 69893-5)

4.5°

BALANCE
G2.5
25,000 RPM

MODEL NO.	TYPE	L	l ₁	l ₂	l ₃	d ₁	d ₂	d ₃	T	TORQUE N·m min	WEIGHT (KGS)
5099-651-003-050	HSK40E x SFC3 - 50	70	50	18	25	3	9	12.997	-	18	0.22
5099-651-003-060	HSK40E x SFC3 - 60	80	60	18	35.3	3	10	15.5	-	18	0.24
5099-651-003-080	HSK40E x SFC3 - 80	100	80	18	49	3	9	18	-	18	0.27
5099-651-004-050	HSK40E x SFC4 - 50	70	50	20	25	4	10	13.997	-	18	0.24
5099-651-004-060	HSK40E x SFC4 - 60	80	60	20	35.3	4	10	15.5	-	18	0.24
5099-651-004-080	HSK40E x SFC4 - 80	100	80	20	49	4	10	22	-	18	0.29
5099-651-005-050	HSK40E x SFC5 - 50	70	50	20	25	5	16	19.997	-	18	0.26
5099-651-005-060	HSK40E x SFC5 - 60	80	60	20	35.3	5	10	15.5	-	18	0.24
5099-651-005-080	HSK40E x SFC5 - 80	100	80	20	55	5	16	22	-	18	0.35
5099-651-006-050	HSK40E x SFC6 - 50	70	50	36	29	6	21	25.577	-	18	0.30
5099-651-006-060	HSK40E x SFC6 - 60	80	60	36	39	6	21	27	-	18	0.32
5099-651-006-080	HSK40E x SFC6 - 80	100	80	36	59	6	21	27	M5	18	0.43
5099-651-008-050	HSK40E x SFC8 - 50	70	50	36	29	8	21	25.577	-	35	0.32
5099-651-008-060	HSK40E x SFC8 - 60	80	60	36	39	8	21	27	-	35	0.31
5099-651-008-080	HSK40E x SFC8 - 80	100	80	36	59	8	21	27	M6	35	0.42
5099-651-010-060	HSK40E x SFC10 - 60	80	60	42	38.1	10	24	30	M8	65	0.35
5099-651-010-080	HSK40E x SFC10 - 80	100	80	42	59	10	24	32	M8	65	0.47
5099-651-010-085	HSK40E x SFC10 - 85	105	85	42	64	10	24	32	M8	65	0.51
5099-651-012-060	HSK40E x SFC12 - 60	80	60	47	39	12	24	30	-	110	0.30
5099-651-012-090	HSK40E x SFC12 - 90	110	90	47	69	12	24	32	M10	110	0.52
5099-651-014-060	HSK40E x SFC14 - 60	80	60	47	40	14	27	34	M10	150	0.37
5099-651-014-090	HSK40E x SFC14 - 90	110	90	47	70	14	27	34	M10	150	0.57
5099-651-016-060	HSK40E x SFC16 - 60	80	60	50	40	16	27	34	M12	200	0.36
5099-651-016-090	HSK40E x SFC16 - 90	110	90	50	70	16	27	34	M12	200	0.56

Features:

- ▶ Use thermal expansion to clamp tools. High rigidity and can reach high revolution. Runout is within 5μm.
- ▶ Use with shrink fit machine.
- ▶ 4.5° design allows bigger diameter which has better rigidity. Suitable for general machining.

Product information:

- ▶ We accept special order of the design with 6 threaded holes for balance (w/o balancing screws).
- ▶ Higher balancing grade and revolution can be done upon request but additional charge is needed.
- ▶ For tool shank with h6 tolerance, such as Form HA to DIN6535 and Form A to DIN 1835-1, except that the internal hole of Shrink Fit Chuck is less than 6mm.

Coolant Supply Unit Key For Coolant Supply Unit Preset Screw

		
P.X-70	P.X-70	P.X-111



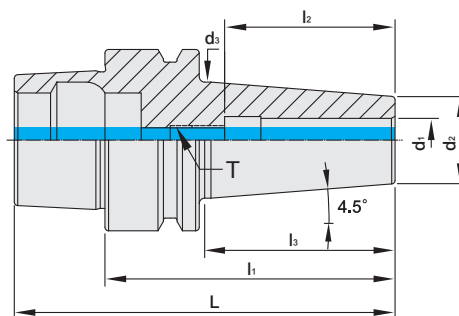
HSK / SFC SHRINK FIT CHUCK

4.5°

BALANCE
G2.5
25,000 RPM

HSK / SFC 熱膨脹刀桿

(DIN 69893-5)



MODEL NO.	TYPE	L	l ₁	l ₂	l ₃	d ₁	d ₂	d ₃	T	TORQUE N·m min	WEIGHT (KGS)
5100-651-003-060	HSK50E x SFC3 - 60	85	60	18	24.7	3	10	13.9	M6	18	0.44
5100-651-003-080	HSK50E x SFC3 - 80	105	80	18	42	3	9	18	M6	18	0.47
5100-651-004-060	HSK50E x SFC4 - 60	85	60	20	24.7	4	10	13.9	M6	18	0.44
5100-651-004-080	HSK50E x SFC4 - 80	105	80	20	49	4	10	17.7	M6	18	0.40
5100-651-005-060	HSK50E x SFC5 - 60	85	60	20	24.7	5	10	13.9	M6	18	0.44
5100-651-005-080	HSK50E x SFC5 - 80	105	80	20	49	5	16	22	M6	18	0.54
5100-651-006-080	HSK50E x SFC6 - 80	105	80	36	49	6	21	27	M5	18	0.62
5100-651-006-130	HSK50E x SFC6 - 130	155	130	36	99	6	21	27	M5	18	0.82
5100-651-008-080	HSK50E x SFC8 - 80	105	80	36	49	8	21	27	M6	35	0.61
5100-651-008-130	HSK50E x SFC8 - 130	155	130	36	99	8	21	27	M6	35	0.82
5100-651-010-080	HSK50E x SFC10 - 80	105	80	42	52	10	24	32	M8	65	0.65
5100-651-010-085	HSK50E x SFC10 - 85	110	85	42	57.5	10	24	32	M8	65	0.67
5100-651-010-130	HSK50E x SFC10 - 130	155	130	42	99	10	24	32	M8	65	0.95
5100-651-012-080	HSK50E x SFC12 - 80	105	80	47	52	12	24	32	M10	110	0.64
5100-651-012-090	HSK50E x SFC12 - 90	115	90	47	59	12	24	32	M10	110	0.69
5100-651-012-130	HSK50E x SFC12 - 130	155	130	47	99	12	24	32	M10	110	0.94
5100-651-014-090	HSK50E x SFC14 - 90	115	90	47	59	14	24	32	M10	150	0.68
5100-651-014-130	HSK50E x SFC14 - 130	155	130	47	130	14	27	34	M10	150	1.22
5100-651-016-095	HSK50E x SFC16 - 95	120	95	50	67	16	27	34	M12	200	0.75
5100-651-016-130	HSK50E x SFC16 - 130	155	130	50	130	16	27	34	M12	200	1.20
5100-651-018-095	HSK50E x SFC18 - 95	120	95	50	68	18	33	42	M12	250	0.93
5100-651-020-100	HSK50E x SFC20 - 100	125	100	52	73	20	33	42	M16	320	0.93
5100-651-025-115	HSK50E x SFC25 - 115	140	115	47	88	25	44	53	M20	500	1.39

Features:

- ▶ Use thermal expansion to clamp tools. High rigidity and can reach high revolution. Runout is within 5μm.
- ▶ Use with shrink fit machine.
- ▶ 4.5° design allows bigger diameter which has better rigidity. Suitable for general machining.

Product information:

- ▶ We accept special order of the design with 6 threaded holes for balance (w/o balancing screws).
- ▶ Higher balancing grade and revolution can be done upon request but additional charge is needed.
- ▶ For tool shank with h6 tolerance, such as Form HA to DIN6535 and Form A to DIN 1835-1, except that the internal hole of Shrink Fit Chuck is less than 6mm.

Coolant Supply Unit Key For Coolant Supply Unit Preset Screw

		
P.X-70	P.X-70	P.X-111



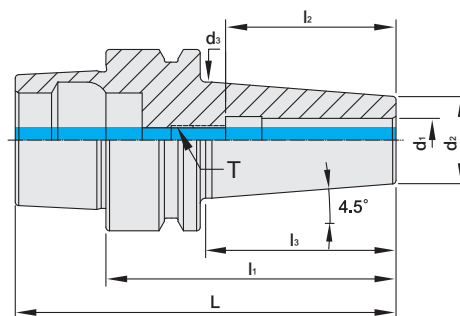
HSK / SFC SHRINK FIT CHUCK

4.5°

BALANCE
G2.5
25,000 RPM

HSK / SFC 熱膨脹刀桿

(DIN 69893-5)



MODEL NO.	TYPE	L	l ₁	l ₂	l ₃	d ₁	d ₂	d ₃	T	TORQUE N·m min	WEIGHT (KGS)
5101-651-003-080	HSK63E x SFC3 - 80	112	80	18	49	3	9	15	M6	18	0.74
5101-651-004-080	HSK63E x SFC4 - 80	112	80	20	44	4	10	17	M6	18	0.76
5101-651-005-080	HSK63E x SFC5 - 80	112	80	20	51	5	16	22	M6	18	0.81
5101-651-006-080	HSK63E x SFC6 - 80	112	80	36	51	6	21	27	M5	18	0.89
5101-651-008-080	HSK63E x SFC8 - 80	112	80	36	51	8	21	27	M6	35	0.88
5101-651-010-085	HSK63E x SFC10 - 85	117	85	42	57	10	24	32	M8	65	0.96
5101-651-012-090	HSK63E x SFC12 - 90	122	90	47	59	12	24	32	M10	110	0.98
5101-651-014-090	HSK63E x SFC14 - 90	122	90	47	59	14	24	32	M10	150	0.96
5101-651-016-095	HSK63E x SFC16 - 95	127	95	50	64	16	27	34	M12	200	1.04
5101-651-018-095	HSK63E x SFC18 - 95	127	95	52	64	18	33	42	M12	250	1.21
5101-651-020-100	HSK63E x SFC20 - 100	132	100	58	69	20	33	42	M16	320	1.21
5101-651-025-115	HSK63E x SFC25 - 115	147	115	58	88	25	44	53	M20	500	1.79

Features:

- ▶ Use thermal expansion to clamp tools. High rigidity and can reach high revolution. Runout is within 5μm.
- ▶ Use with shrink fit machine.
- ▶ 4.5° design allows bigger diameter which has better rigidity. Suitable for general machining.

Product information:

- ▶ We accept special order of the design with 6 threaded holes for balance (w/o balancing screws).
- ▶ Higher balancing grade and revolution can be done upon request but additional charge is needed.
- ▶ For tool shank with h6 tolerance, such as Form HA to DIN6535 and Form A to DIN 1835-1, except that the internal hole of Shrink Fit Chuck is less than 6mm.

Coolant Supply Unit Key For Coolant Supply Unit Preset Screw

		
P.X-70	P.X-70	P.X-111



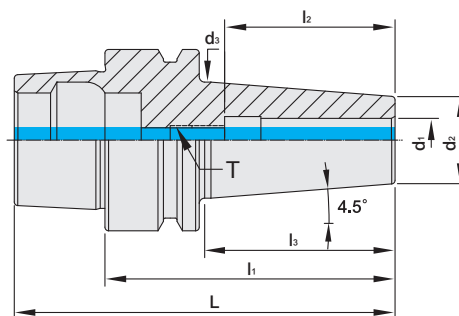
HSK / SFC SHRINK FIT CHUCK

4.5°

BALANCE
G2.5
25,000 RPM

HSK / SFC 熱膨脹刀桿

[DIN 69893-5]



INCHES

MODEL NO.	TYPE	L	l ₁	l ₂	l ₃	d ₁	d ₂	d ₃	T	TORQUE N·m min	WEIGHT (KGS)
5097-651-A08-197	HSK25E x SFC 1/8" - 1.97"	2.48	1.97	0.71	1.45	0.125	0.36	0.51	-	18	0.07
5097-651-A12-197	HSK25E x SFC 3/16" - 1.97"	2.48	1.97	0.79	1.12	0.1875	0.43	0.71	-	18	0.09
5097-651-A16-197	HSK25E x SFC 1/4" - 1.97"	2.48	1.97	0.79	1.49	0.25	0.55	0.71	-	18	0.10
5098-651-A08-197	HSK32E x SFC 1/8" - 1.97"	2.6	1.97	0.71	1.07	0.125	0.36	0.53	-	18	0.14
5098-651-A12-197	HSK32E x SFC 3/16" - 1.97"	2.6	1.97	0.79	1.07	0.1875	0.43	0.59	-	18	0.15
5098-651-A16-197	HSK32E x SFC 1/4" - 1.97"	2.6	1.97	1.42	1.07	0.25	0.71	0.88	-	18	0.19
5098-651-A20-236	HSK32E x SFC 5/16" - 2.36"	2.99	2.36	1.42	1.53	0.3125	0.79	1.02	-	35	0.23
5098-651-A24-236	HSK32E x SFC 3/8" - 2.36"	2.99	2.36	1.53	1.53	0.375	0.94	1.02	-	65	0.26
5099-651-A12-354	HSK40E x SFC 3/16" - 3.54"	4.33	3.54	0.79	2.67	0.1875	0.43	0.71	-	18	0.30
5099-651-A16-354	HSK40E x SFC 1/4" - 3.54"	4.33	3.54	1.42	2.04	0.25	0.71	1.03	M5	18	0.43
5099-651-A20-354	HSK40E x SFC 5/16" - 3.54"	4.33	3.54	1.42	2.63	0.3125	0.83	1.06	M6	35	0.47
5099-651-A24-354	HSK40E x SFC 3/8" - 3.54"	4.33	3.54	1.65	2.71	0.375	0.94	1.26	M8	65	0.54
5099-651-A32-354	HSK40E x SFC 1/2" - 3.54"	4.33	3.54	1.85	2.71	0.5	1.1	1.34	M10	110	0.62

Features:

- Use thermal expansion to clamp tools. High rigidity and can reach high revolution. Runout is within 5µm.
- Use with shrink fit machine.
- 4.5° design allows bigger diameter which has better rigidity. Suitable for general machining.

Product information:

- We accept special order of the design with 6 threaded holes for balance (w/o balancing screws).
- Higher balancing grade and revolution can be done upon request but additional charge is needed.
- For tool shank with h6 tolerance, such as Form HA to DIN6535 and Form A to DIN 1835-1, except that the internal hole of Shrink Fit Chuck is less than 6mm.

Coolant Supply Unit Key For Coolant Supply Unit Preset Screw

		
P.X-70	P.X-70	P.X-111



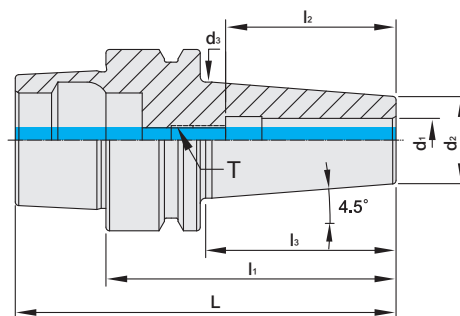
HSK / SFC SHRINK FIT CHUCK

4.5°

BALANCE
G2.5
25,000 RPM

HSK / SFC 熱膨脹刀桿

(DIN 69893-5)



INCHES

MODEL NO.	TYPE	L	l ₁	l ₂	l ₃	d ₁	d ₂	d ₃	T	TORQUE N·m min	WEIGHT (KGS)
5100-651-A08-315	HSK50E x SFC 1/8" - 3.15"	4.14	3.15	0.79	1.94	0.125	0.36	0.67	M6	18	0.51
5100-651-A12-354	HSK50E x SFC 3/16" - 3.54"	4.53	3.54	0.79	2.33	0.1875	0.43	0.79	M6	18	0.51
5100-651-A16-354	HSK50E x SFC 1/4" - 3.54"	4.53	3.54	1.42	2.04	0.25	0.71	1.03	M5	18	0.61
5100-651-A20-354	HSK50E x SFC 5/16" - 3.54"	4.53	3.54	1.42	2.4	0.3125	0.83	1.06	M6	35	0.65
5100-651-A24-354	HSK50E x SFC 3/8" - 3.54"	4.53	3.54	1.65	2.4	0.375	0.94	1.26	M8	65	0.72
5100-651-A32-354	HSK50E x SFC 1/2" - 3.54"	4.53	3.54	1.85	2.48	0.5	1.1	1.34	M10	110	0.77
5100-651-A40-354	HSK50E x SFC 5/8" - 3.54"	4.53	3.54	1.97	2.44	0.625	1.06	1.34	M12	200	0.72
5100-651-A48-394	HSK50E x SFC 3/4" - 3.94"	4.93	3.94	2.04	2.83	0.75	1.42	1.65	M16	320	1.04
5101-651-A12-394	HSK63E x SFC 3/16" - 3.94"	5.2	3.94	0.79	2.71	0.1875	0.43	0.79	M6	18	0.81
5101-651-A16-394	HSK63E x SFC 1/4" - 3.94"	5.2	3.94	1.42	2.71	0.25	0.71	1.06	M5	18	0.93
5101-651-A20-394	HSK63E x SFC 5/16" - 3.94"	5.2	3.94	1.42	2.71	0.3125	0.79	1.06	M6	35	0.96
5101-651-A24-394	HSK63E x SFC 3/8" - 3.94"	5.2	3.94	1.65	2.71	0.375	0.94	1.26	M8	65	1.06
5101-651-A32-394	HSK63E x SFC 1/2" - 3.94"	5.2	3.94	1.85	2.71	0.5	1.1	1.34	M10	110	1.12
5101-651-A40-394	HSK63E x SFC 5/8" - 3.94"	5.2	3.94	1.97	2.71	0.625	1.06	1.34	M12	200	1.07
5101-651-A48-394	HSK63E x SFC 3/4" - 3.94"	5.2	3.94	2.04	2.71	0.75	1.42	1.65	M16	320	1.31
5101-651-A64-394	HSK63E x SFC 1" - 3.94"	5.2	3.94	2.04	2.71	1	1.42	1.65	M20	500	1.20

Features:

- ▶ Use thermal expansion to clamp tools. High rigidity and can reach high revolution. Runout is within 5μm.
- ▶ Use with shrink fit machine.
- ▶ 4.5° design allows bigger diameter which has better rigidity. Suitable for general machining.

Product information:

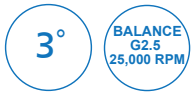
- ▶ We accept special order of the design with 6 threaded holes for balance (w/o balancing screws).
- ▶ Higher balancing grade and revolution can be done upon request but additional charge is needed.
- ▶ For tool shank with h6 tolerance, such as Form HA to DIN6535 and Form A to DIN 1835-1, except that the internal hole of Shrink Fit Chuck is less than 6mm.

Coolant Supply Unit Key For Coolant Supply Unit Preset Screw

		
P.X-70	P.X-70	P.X-111

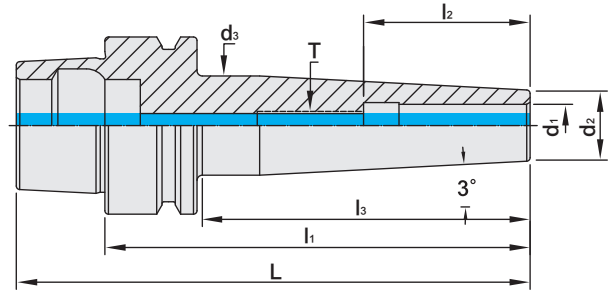


HSK / SFCT SHRINK FIT CHUCK



HSK / SFCT 熱膨脹刀桿

[DIN 69893-5]



MODEL NO.	TYPE	L	l ₁	l ₂	l ₃	d ₁	d ₂	d ₃	T	TORQUE N·m min	WEIGHT (KGS)
5097-793-003-035	HSK25E x SFCT3 - 35	48	35	18	21.2	3	9	11.2	-	18	0.05
5097-793-003-045	HSK25E x SFCT3 - 45	58	45	18	31.2	3	9	12.2	-	18	0.06
5097-793-003-100	HSK25E x SFCT3 - 100	113	100	18	79	3	9	18	-	18	0.14
5097-793-004-035	HSK25E x SFCT4 - 35	48	35	20	21.2	4	10	12.2	-	18	0.05
5097-793-004-045	HSK25E x SFCT4 - 45	58	45	20	33.1	4	10	13.4	-	18	0.06
5097-793-004-100	HSK25E x SFCT4 - 100	113	100	20	89	4	10	18	-	18	0.15
5097-793-005-035	HSK25E x SFCT5 - 35	48	35	20	23.1	5	11	13.4	-	18	0.05
5097-793-005-045	HSK25E x SFCT5 - 45	58	45	20	33.1	5	11	14.4	-	18	0.06
5097-793-005-100	HSK25E x SFCT5 - 100	113	100	20	79	5	11	20	-	18	0.17
5097-793-006-040	HSK25E x SFCT6 - 40	53	40	31	28.1	6	12	14.9	-	18	0.06
5097-793-006-045	HSK25E x SFCT6 - 45	58	45	36	33.1	6	12	15.4	-	18	0.07
5097-793-008-040	HSK25E x SFCT8 - 40	53	40	31	28.1	8	14	16.9	-	35	0.07
5097-793-008-050	HSK25E x SFCT8 - 50	63	50	27	39	8	14	18	-	35	0.08
5097-793-010-040	HSK25E x SFCT10 - 40	53	40	26.5	29	10	16	18	-	65	0.07
5097-793-010-050	HSK25E x SFCT10 - 50	63	50	26.5	39	10	16	18	-	65	0.09
5097-793-012-040	HSK25E x SFCT12 - 40	53	40	26	30	12	18	20	-	110	0.08
5097-793-012-050	HSK25E x SFCT12 - 50	63	50	35.5	40	12	18	20	-	110	0.09
5098-793-003-100	HSK32E x SFCT3 - 100	116	100	18	69	3	9	18	-	18	0.22
5098-793-004-100	HSK32E x SFCT4 - 100	116	100	20	69	4	10	18	-	18	0.21
5098-793-005-100	HSK32E x SFCT5 - 100	116	100	20	69	5	11	20	-	18	0.23
5098-793-006-100	HSK32E x SFCT6 - 100	116	100	31	78	6	12	20	M5	18	0.24
5098-793-008-100	HSK32E x SFCT8 - 100	116	100	36	68	8	14	24	-	35	0.27
5098-793-010-100	HSK32E x SFCT10 - 100	116	100	42	68	10	16	26	M8	65	0.29
5098-793-012-100	HSK32E x SFCT12 - 100	116	100	47	69	12	18	26	M10	110	0.31

Features:

- ▶ Use thermal expansion to clamp tools. High rigidity and can reach high revolution. Runout is within 5μm.
- ▶ Use with shrink fit machine.
- ▶ 3° design makes it more slim, decreasing interference. Suitable for mold making industry.

Product information:

- ▶ We accept special order of the design with 6 threaded holes for balance (w/o balancing screws).
- ▶ Higher balancing grade and revolution can be done upon request but additional charge is needed.
- ▶ For tool shank with h6 tolerance, such as Form HA to DIN6535 and Form A to DIN 1835-1, except that the internal hole of Shrink Fit Chuck is less than 6mm.

Coolant Supply Unit Key For Coolant Supply Unit Preset Screw

P.X-70	P.X-70	P.X-111



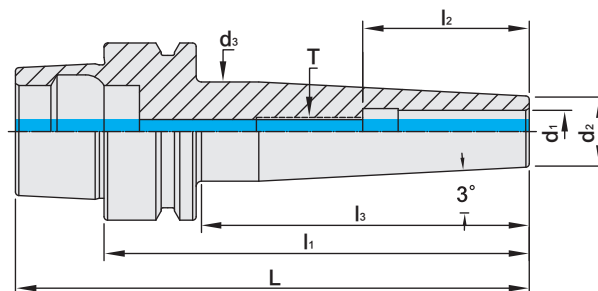
HSK / SFCT SHRINK FIT CHUCK

3°

BALANCE
G2.5
25,000 RPM

HSK / SFCT 熱膨脹刀桿

(DIN 69893-5)



MODEL NO.	TYPE	L	l ₁	l ₂	l ₃	d ₁	d ₂	d ₃	T	TORQUE N·m min	WEIGHT (KGS)
5099-793-003-060	HSK40E x SFCT3 - 60	80	60	18	35.4	3	9	14.5	-	18	0.23
5099-793-003-070	HSK40E x SFCT3 - 70	90	70	18	45.4	3	9	16.1	-	18	0.25
5099-793-003-080	HSK40E x SFCT3 - 80	100	80	18	55.4	3	9	17.7	-	18	0.27
5099-793-003-120	HSK40E x SFCT3 - 120	140	120	18	95	3	9	18	-	18	0.32
5099-793-004-060	HSK40E x SFCT4 - 60	80	60	20	35.2	4	10	13.6	-	18	0.23
5099-793-004-070	HSK40E x SFCT4 - 70	90	70	20	45.4	4	10	17.1	-	18	0.26
5099-793-004-080	HSK40E x SFCT4 - 80	100	80	20	55.2	4	10	15.7	-	18	0.28
5099-793-004-120	HSK40E x SFCT4 - 120	140	120	20	95	4	10	18	-	18	0.34
5099-793-005-060	HSK40E x SFCT5 - 60	80	60	20	35.2	5	11	16.5	-	18	0.25
5099-793-005-070	HSK40E x SFCT5 - 70	90	70	20	45.4	5	11	18.1	-	18	0.27
5099-793-005-080	HSK40E x SFCT5 - 80	100	80	20	55.2	5	11	19.7	-	18	0.29
5099-793-005-120	HSK40E x SFCT5 - 120	140	120	20	95	5	11	20	-	18	0.36
5099-793-006-060	HSK40E x SFCT6 - 60	80	60	36	35.4	6	12	17.5	M5	18	0.25
5099-793-006-070	HSK40E x SFCT6 - 70	90	70	36	45.4	6	12	19.1	M5	18	0.27
5099-793-006-080	HSK40E x SFCT6 - 80	100	80	36	55.4	6	12	20.7	M5	18	0.29
5099-793-006-120	HSK40E x SFCT6 - 120	140	120	36	95	6	12	20	M5	18	0.37
5099-793-008-060	HSK40E x SFCT8 - 60	80	60	36	35.2	8	14	17.6	-	35	0.27
5099-793-008-070	HSK40E x SFCT8 - 70	90	70	36	45.4	8	14	21.1	M6	35	0.29
5099-793-008-080	HSK40E x SFCT8 - 80	100	80	36	55.4	8	14	22.7	M6	35	0.31
5099-793-008-120	HSK40E x SFCT8 - 120	140	120	36	89	8	14	24	M6	35	0.41
5099-793-010-060	HSK40E x SFCT10 - 60	80	60	42	35.4	10	16	21.5	M8	65	0.29
5099-793-010-070	HSK40E x SFCT10 - 70	90	70	42	45.4	10	16	23.1	M8	65	0.31
5099-793-010-080	HSK40E x SFCT10 - 80	100	80	42	55.4	10	16	24.7	M8	65	0.33
5099-793-010-120	HSK40E x SFCT10 - 120	140	120	42	89	10	16	26	M8	65	0.45
5099-793-012-060	HSK40E x SFCT12 - 60	80	60	47	39.1	12	18	24.1	M10	110	0.27
5099-793-012-070	HSK40E x SFCT12 - 70	90	70	47	49.1	12	18	25.7	M10	110	0.32
5099-793-012-080	HSK40E x SFCT12 - 80	100	80	47	59.1	12	18	27.3	M10	110	0.34
5099-793-012-120	HSK40E x SFCT12 - 120	140	120	47	89	12	18	28	M10	110	0.49

Features:

- ▶ Use thermal expansion to clamp tools. High rigidity and can reach high revolution. Runout is within 5μm.
- ▶ Use with shrink fit machine.
- ▶ 3° design makes it more slim, decreasing interference. Suitable for mold making industry.

Product information:

- ▶ We accept special order of the design with 6 threaded holes for balance (w/o balancing screws).
- ▶ Higher balancing grade and revolution can be done upon request but additional charge is needed.
- ▶ For tool shank with h6 tolerance, such as Form HA to DIN6535 and Form A to DIN 1835-1, except that the internal hole of Shrink Fit Chuck is less than 6mm.

Coolant Supply Unit Key For Coolant Supply Unit Preset Screw

		
P.X-70	P.X-70	P.X-111

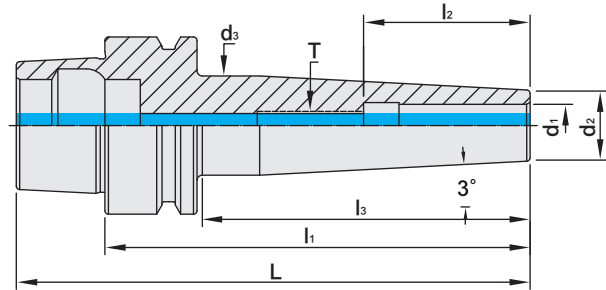


HSK / SFCT SHRINK FIT CHUCK



HSK / SFCT 熱膨脹刀桿

[DIN 69893-5]



MODEL NO.	TYPE	L	l ₁	l ₂	l ₃	d ₁	d ₂	d ₃	T	TORQUE N·m min	WEIGHT (KGS)
5100-793-003-070	HSK50E x SFCT3 - 70	95	70	19	34.5	3	9	12.6	M6	18	0.44
5100-793-003-080	HSK50E x SFCT3 - 80	105	80	19	44.5	3	9	13.6	M6	18	0.46
5100-793-003-120	HSK50E x SFCT3 - 120	145	120	20	89	3	9	18	-	18	0.51
5100-793-004-070	HSK50E x SFCT4 - 70	95	70	22	34.5	4	10	13.6	M6	18	0.45
5100-793-004-080	HSK50E x SFCT4 - 80	105	80	22	44.5	4	10	14.6	M6	18	0.46
5100-793-004-120	HSK50E x SFCT4 - 120	145	120	20	89	4	10	18	-	18	0.53
5100-793-005-070	HSK50E x SFCT5 - 70	95	70	25	34.5	5	11	14.6	M6	18	0.45
5100-793-005-080	HSK50E x SFCT5 - 80	105	80	25	44.5	5	11	15.6	M6	18	0.47
5100-793-005-100	HSK50E x SFCT5 - 100	125	100	25	64.5	5	11	17.7	M6	18	0.51
5100-793-005-120	HSK50E x SFCT5 - 120	145	120	20	89	5	11	20	-	18	0.55
5100-793-006-070	HSK50E x SFCT6 - 70	95	70	36	34.5	6	12	15.6	M5	18	0.46
5100-793-006-080	HSK50E x SFCT6 - 80	105	80	36	44.5	6	12	16.6	M5	18	0.48
5100-793-006-100	HSK50E x SFCT6 - 100	125	100	36	64.5	6	12	18.7	M5	18	0.52
5100-793-006-120	HSK50E x SFCT6 - 120	145	120	36	89	6	12	20	M5	18	0.56
5100-793-008-070	HSK50E x SFCT8 - 70	95	70	36	34.5	8	14	17.6	M6	35	0.47
5100-793-008-080	HSK50E x SFCT8 - 80	105	80	36	44.5	8	14	18.6	M6	35	0.49
5100-793-008-100	HSK50E x SFCT8 - 100	125	100	36	64.5	8	14	20.7	M6	35	0.54
5100-793-008-120	HSK50E x SFCT8 - 120	145	120	36	78	8	14	24	M6	35	0.61
5100-793-010-070	HSK50E x SFCT10 - 70	95	70	42	35.9	10	16	19.8	M8	65	0.48
5100-793-010-080	HSK50E x SFCT10 - 80	105	80	42	46.4	10	16	20.8	M8	65	0.50
5100-793-010-100	HSK50E x SFCT10 - 100	125	100	42	66.4	10	16	22.9	M8	65	0.57
5100-793-010-120	HSK50E x SFCT10 - 120	145	120	42	78	10	16	26	M8	65	0.64
5100-793-012-070	HSK50E x SFCT12 - 70	95	70	47	35.7	12	18	21.8	M10	110	0.48
5100-793-012-080	HSK50E x SFCT12 - 80	105	80	47	46.4	12	18	22.8	M10	110	0.51
5100-793-012-100	HSK50E x SFCT12 - 100	125	100	47	66.4	12	18	24.9	M10	110	0.59
5100-793-012-120	HSK50E x SFCT12 - 120	145	120	47	78	12	18	28	M10	110	0.67
5100-793-014-120	HSK50E x SFCT14 - 120	145	120	47	78	14	20	30	M10	150	0.72
5100-793-016-120	HSK50E x SFCT16 - 120	145	120	50	78	16	22	32	M12	200	0.75
5100-793-018-120	HSK50E x SFCT18 - 120	145	120	52	91	18	24	32	M12	250	0.77
5100-793-020-160	HSK50E x SFCT20 - 160	185	160	52	131	20	26	35	M16	320	1.10
5100-793-025-160	HSK50E x SFCT25 - 160	185	160	47	132	25	31	40	M20	500	1.30

Features:

- ▶ Use thermal expansion to clamp tools. High rigidity and can reach high revolution. Runout is within 5μm.
- ▶ Use with shrink fit machine.
- ▶ 3° design makes it more slim, decreasing interference. Suitable for mold making industry.

Product information:

- ▶ We accept special order of the design with 6 threaded holes for balance (w/o balancing screws).
- ▶ Higher balancing grade and revolution can be done upon request but additional charge is needed.
- ▶ For tool shank with h6 tolerance, such as Form HA to DIN6535 and Form A to DIN 1835-1, except that the internal hole of Shrink Fit Chuck is less than 6mm.

Coolant Supply Unit Key For Coolant Supply Unit Preset Screw

P.X-70	P.X-70	P.X-111

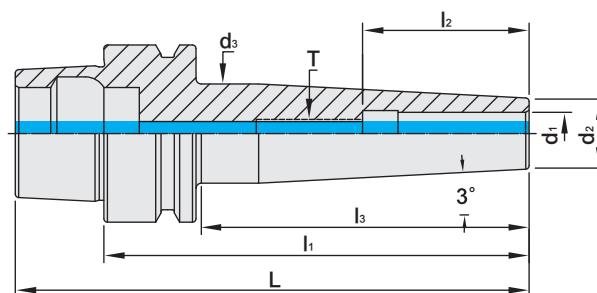


HSK / SFCT SHRINK FIT CHUCK

HSK / SFCT 熱膨脹刀桿

[DIN 69893-5]

3°

BALANCE
G2.5
25,000 RPM

MODEL NO.	TYPE	L	l ₁	l ₂	l ₃	d ₁	d ₂	d ₃	T	TORQUE N·m min	WEIGHT (KGS)
5101-793-003-120	HSK63E x SFCT3 - 120	152	120	18	91	3	9	18	-	18	0.79
5101-793-004-120	HSK63E x SFCT4 - 120	152	120	20	91	4	10	18	-	18	0.80
5101-793-005-120	HSK63E x SFCT5 - 120	152	120	20	91	5	11	20	-	18	0.81
5101-793-006-120	HSK63E x SFCT6 - 120	152	120	36	89	6	12	20	M5	18	0.83
5101-793-008-120	HSK63E x SFCT8 - 120	152	120	36	83	8	14	24	M6	35	0.87
5101-793-010-120	HSK63E x SFCT10 - 120	152	120	42	83	10	16	26	M8	65	0.91
5101-793-012-120	HSK63E x SFCT12 - 120	152	120	47	83	12	18	28	M10	110	0.94
5101-793-014-120	HSK63E x SFCT14 - 120	152	120	47	83	14	20	30	M10	150	0.98
5101-793-016-120	HSK63E x SFCT16 - 120	152	120	50	83	16	22	32	M12	200	1.02
5101-793-018-120	HSK63E x SFCT18 - 120	152	120	52	89	18	24	32	M12	250	1.05
5101-793-020-160	HSK63E x SFCT20 - 160	192	160	58	129	20	26	39	M16	320	1.41
5101-793-025-160	HSK63E x SFCT25 - 160	192	160	58	123	25	31	45	M20	500	1.60

Features:

- ▶ Use thermal expansion to clamp tools. High rigidity and can reach high revolution. Runout is within 5μm.
- ▶ Use with shrink fit machine.
- ▶ 3° design makes it more slim, decreasing interference. Suitable for mold making industry.

Product information:

- ▶ We accept special order of the design with 6 threaded holes for balance (w/o balancing screws).
- ▶ Higher balancing grade and revolution can be done upon request but additional charge is needed.
- ▶ For tool shank with h6 tolerance, such as Form HA to DIN6535 and Form A to DIN 1835-1, except that the internal hole of Shrink Fit Chuck is less than 6mm.

Coolant Supply Unit Key For Coolant Supply Unit Preset Screw

		
P.X-70	P.X-70	P.X-111

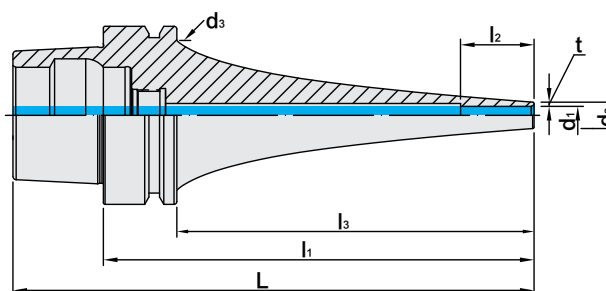


HSK / SFC SHRINK FIT CHUCK

CUL TYPE



HSK / SFC 熱膨脹刀桿 [CUL型]



MODEL NO.	TYPE	L	l ₁	l ₂	l ₃	d ₁	d ₂	d ₃	t	WEIGHT (KGS)
5100-768-004-150	HSK50E x SFC4 - 150CUL	175	150	10	124	4	10	42	3	0.8
5100-768-006-150	HSK50E x SFC6 - 150CUL	175	150	26	124	6	13	42	3.5	0.9
5100-768-008-150	HSK50E x SFC8 - 150CUL	175	150	26	124	8	16	42	4	0.9
5100-768-010-150	HSK50E x SFC10 - 150CUL	175	150	32	124	10	19	42	4.5	0.9

Features:

- ▶ CUL type increases rigidity and avoids interference.
- ▶ The most ideal tool holder design for 5 axis machining center.
- ▶ The design of slim nose and short overhanging length of cutter extend tool use life.
- ▶ The design of thick neck improves the rigidity during machining and product quality.

Product information:

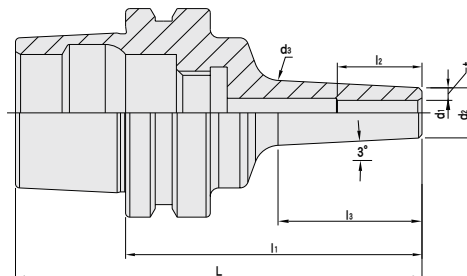
- ▶ Higher balancing grade and revolution can be done upon request but additional charge is needed.



HSK/MFC SHRINK FIT CHUCK

BALANCE
G2.5
25,000 RPM

HSK/MFC 熱膨脹刀桿



MODEL NO.	TYPE	L	l ₁	l ₂	l ₃	d ₁	d ₂	d ₃	t	WEIGHT (KGS)
5097-769-003-035	HSK25ExMFC3-35	48	35	10	17	3	6	7.8	1.5	0.06
5097-769-A08-138	HSK25ExMFC3.175-35	48	35	10	17	3.175	6.175	8	1.5	0.06
5097-769-004-035	HSK25ExMFC4-35	48	35	10	17	4	7	8.8	1.5	0.06
5097-769-006-035	HSK25ExMFC6-35	48	35	26	17	6	9	10.8	1.5	0.06
5098-769-003-050	HSK32ExMFC3-50	66	50	10	22	3	6	8.3	1.5	0.15
5098-769-A08-197	HSK32ExMFC3.175-50	66	50	10	22	3.175	6.175	8.5	1.5	0.15
5098-769-004-050	HSK32ExMFC4-50	66	50	10	22	4	7	9.3	1.5	0.15
5098-S90-004-050	HSK32ExMFC4-50-R	66	50	10	22	4	10	12.3	3	0.16
5098-769-006-070	HSK32ExMFC6-70	86	70	26	42	6	9	13.4	1.5	0.17
5098-S90-006-050	HSK32ExMFC6-50-R	66	50	26	42	6	12	16.4	3	0.16
5098-S90-008-050	HSK32ExMFC8-50-R	66	50	26	22	8	14	16.3	3	0.16
5098-S90-010-055	HSK32ExMFC10-55-R	71	55	32	22	10	16	18.3	3	0.18
5098-S92-012-055	HSK32ExMFC12-55-R	71	55	37	22	12	20	22.3	4	0.18
5099-769-003-050	HSK40ExMFC3-50	70	50	10	22	3	6	8.3	1.5	0.22
5099-769-A08-197	HSK40ExMFC3.175-50	70	50	10	22	3.175	6.175	8.5	1.5	0.22
5099-769-004-050	HSK40ExMFC4-50	70	50	10	22	4	7	9.3	1.5	0.22
5099-769-006-050	HSK40ExMFC6-50	70	50	10	22	6	9	11.3	1.5	0.22
5099-769-008-060	HSK40ExMFC8-60	80	60	26	22	8	11	13.3	1.5	0.26
5099-769-010-060	HSK40ExMFC10-60	80	60	32	22	10	13	15.3	1.5	0.26
5099-S90-012-055	HSK40ExMFC12-55-R	75	55	37	22	12	18	22.3	3	0.31
5099-S90-012-085	HSK40ExMFC12-85-R	105	85	37	42	12	18	24.4	3	0.44

Features:

- ▶ Use thermal expansion to clamp tools. High rigidity and can reach high revolution. Runout is within 5μm.
- ▶ Use with shrink fit machine.
- ▶ 3° design makes it more slim, decreasing interference. Suitable for mold making industry.

Product information:

- ▶ We accept special order of the design with 6 threaded holes for balance (w/o balancing screws).
- ▶ Higher balancing grade and revolution can be done upon request but additional charge is needed.
- ▶ For tool shank with h6 tolerance, such as Form HA to DIN6535 and Form A to DIN 1835-1, except that the internal hole of Shrink Fit Chuck is less than 6mm.
- ▶ Material: heat resistant steel.

Preset Screw



P.X-111



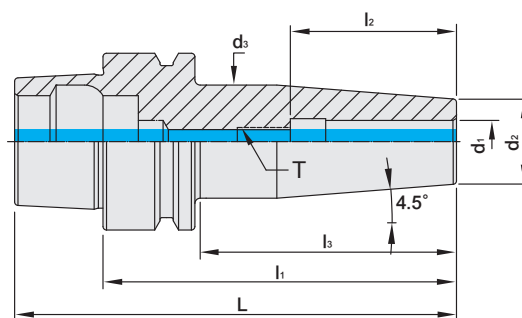
HSK / SFC SHRINK FIT CHUCK

4.5°

BALANCE
G2.5
25,000 RPM

HSK / SFC 熱膨脹刀桿

[DIN 69893-6]



MODEL NO.	TYPE	L	l ₁	l ₂	l ₃	d ₁	d ₂	d ₃	T	TORQUE N·m min	WEIGHT (KGS)
5102-651-003-080	HSK50F x SFC3 - 80	100	80	18	49	3	9	16.78	-	18	0.45
5102-651-004-080	HSK50F x SFC4 - 80	100	80	20	49	4	10	17.78	-	18	0.45
5102-651-005-080	HSK50F x SFC5 - 80	100	80	20	49	5	16	22	-	18	0.52
5102-651-006-080	HSK50F x SFC6 - 80	100	80	36	49	6	21	27	M5	18	0.59
5102-651-008-080	HSK50F x SFC8 - 80	100	80	36	49	8	21	27	M6	35	0.58
5102-651-010-085	HSK50F x SFC10 - 85	105	85	42	54	10	24	32	M8	65	0.66
5102-651-012-090	HSK50F x SFC12 - 90	110	90	47	59	12	24	32	M10	110	0.67
5102-651-014-090	HSK50F x SFC14 - 90	110	90	47	59	14	24	32	M10	150	0.66
5102-651-016-095	HSK50F x SFC16 - 95	115	95	50	67	16	27	34	M12	200	0.73
5102-651-018-095	HSK50F x SFC18 - 95	115	95	50	68	18	33	42	M12	250	0.90
5102-651-020-100	HSK50F x SFC20 - 100	120	100	52	73	20	33	42	M16	320	0.91

Features:

- ▶ Use thermal expansion to clamp tools. High rigidity and can reach high revolution. Runout is within 5μm.
- ▶ Use with shrink fit machine.
- ▶ 4.5° design allows bigger diameter which has better rigidity. Suitable for general machining.

Product information:

- ▶ We accept special order of the design with 6 threaded holes for balance (w/o balancing screws).
- ▶ Higher balancing grade and revolution can be done upon request but additional charge is needed.
- ▶ For tool shank with h6 tolerance, such as Form HA to DIN6535 and Form A to DIN 1835-1, except that the internal hole of Shrink Fit Chuck is less than 6mm.

Preset Screw



P.X-111



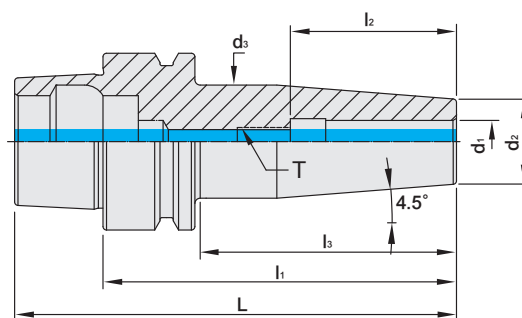
HSK / SFC SHRINK FIT CHUCK

4.5°

BALANCE
G2.5
25,000 RPM

HSK / SFC 熱膨脹刀桿

(DIN 69893-6)



MODEL NO.	TYPE	L	l ₁	l ₂	l ₃	d ₁	d ₂	d ₃	T	TORQUE N·m min	WEIGHT (KGS)
5103-651-003-080	HSK63F x SFC3 - 80	105	80	18	45	3	9	18	-	18	0.69
5103-651-004-080	HSK63F x SFC4 - 80	105	80	20	44	4	10	17.05	-	18	0.71
5103-651-004-095	HSK63F x SFC4 - 95	120	95	10	59	4	10	19.4	-	18	0.73
5103-651-005-080	HSK63F x SFC5 - 80	105	80	20	49	5	16	22	-	18	0.77
5103-651-006-080	HSK63F x SFC6 - 80	105	80	36	49	6	21	27	M5	18	0.84
5103-651-006-095	HSK63F x SFC6 - 95	120	95	36	64	6	21	31.1	M5	18	0.89
5103-651-006-130	HSK63F x SFC6 - 130	155	130	36	94	6	21	27	M5	18	1.04
5103-651-008-080	HSK63F x SFC8 - 80	105	80	36	49	8	21	27	M6	35	0.83
5103-651-008-130	HSK63F x SFC8 - 130	155	130	36	94	8	21	27	M6	35	1.03
5103-651-010-080	HSK63F x SFC10 - 80	105	80	42	49	10	24	31.7	M8	65	0.90
5103-651-010-085	HSK63F x SFC10 - 85	110	85	42	57	10	24	32	M8	65	0.91
5103-651-010-095	HSK63F x SFC10 - 95	120	95	42	64	10	24	34.1	M8	65	0.97
5103-651-010-130	HSK63F x SFC10 - 130	155	130	42	94	10	24	32	M8	65	1.15
5103-651-012-090	HSK63F x SFC12 - 90	115	90	47	59	12	24	32	M10	110	0.93
5103-651-012-130	HSK63F x SFC12 - 130	155	130	47	94	12	24	32	M10	110	1.13
5103-651-014-090	HSK63F x SFC14 - 90	115	90	47	59	14	27	34	M10	150	0.97
5103-651-016-095	HSK63F x SFC16 - 95	120	95	50	64	16	27	34	M12	200	0.98
5103-651-016-130	HSK63F x SFC16 - 130	155	130	50	89	16	27	34	M12	200	1.18
5103-651-018-095	HSK63F x SFC18 - 95	120	95	50	64	18	33	42	M12	250	1.16
5103-651-020-100	HSK63F x SFC20 - 100	125	100	52	71	20	33	42	M16	320	1.16
5103-651-020-130	HSK63F x SFC20 - 130	155	130	52	89	20	33	42	M16	320	1.45
5103-651-025-115	HSK63F x SFC25 - 115	140	115	58	88	25	44	53	M20	500	1.74
5103-651-025-130	HSK63F x SFC25 - 130	155	130	58	104	25	44	53	M20	500	1.98
5103-651-032-120	HSK63F x SFC32 - 120	145	120	58	93	32	44	53	M20	550	1.68

Features:

- ▶ Use thermal expansion to clamp tools. High rigidity and can reach high revolution. Runout is within 5μm.
- ▶ Use with shrink fit machine.
- ▶ 4.5° design allows bigger diameter which has better rigidity. Suitable for general machining.

Product information:

- ▶ We accept special order of the design with 6 threaded holes for balance (w/o balancing screws).
- ▶ Higher balancing grade and revolution can be done upon request but additional charge is needed.
- ▶ For tool shank with h6 tolerance, such as Form HA to DIN6535 and Form A to DIN 1835-1, except that the internal hole of Shrink Fit Chuck is less than 6mm.

Preset Screw



P.X-111



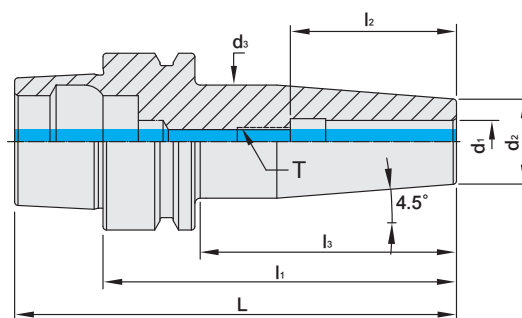
HSK / SFC SHRINK FIT CHUCK

4.5°

BALANCE
G2.5
25,000 RPM

HSK / SFC 熱膨脹刀桿

[DIN 69893-6]



INCHES

MODEL NO.	TYPE	L	l ₁	l ₂	l ₃	d ₁	d ₂	d ₃	T	TORQUE N·m min	WEIGHT (KGS)
5102-651-A12-354	HSK50F x SFC3/16" - 3.54"	4.33	3.54	0.79	2.34	0.1875	0.43	0.79	-	18	0.48
5102-651-A16-354	HSK50F x SFC1/4" - 3.54"	4.33	3.54	1.42	2.04	0.25	0.71	1.03	M5	18	0.59
5102-651-A20-354	HSK50F x SFC5/16" - 3.54"	4.33	3.54	1.42	2.32	0.3125	0.79	1.06	M6	35	0.61
5102-651-A24-354	HSK50F x SFC3/8" - 3.54"	4.33	3.54	1.53	2.32	0.375	0.94	1.26	M8	65	0.69
5102-651-A32-354	HSK50F x SFC1/2" - 3.54"	4.33	3.54	1.85	2.32	0.5	1.1	1.34	M10	110	0.75
5102-651-A40-354	HSK50F x SFC5/8" - 3.54"	4.33	3.54	1.97	2.32	0.625	1.06	1.34	M12	200	0.70
5102-651-A48-394	HSK50F x SFC3/4" - 3.94"	4.73	3.94	2.04	2.87	0.75	1.26	1.65	M16	320	0.90
5103-651-A12-394	HSK63F x SFC3/16" - 3.94"	4.92	3.94	0.79	2.73	0.1875	0.43	0.85	-	18	0.76
5103-651-A16-394	HSK63F x SFC1/4" - 3.94"	4.92	3.94	1.42	2.71	0.25	0.71	1.06	M5	18	0.89
5103-651-A20-394	HSK63F x SFC5/16" - 3.94"	4.92	3.94	1.42	2.71	0.3125	0.79	1.06	M6	35	0.91
5103-651-A24-394	HSK63F x SFC3/8" - 3.94"	4.92	3.94	1.65	2.83	0.375	0.94	1.26	M8	65	1.00
5103-651-A32-394	HSK63F x SFC1/2" - 3.94"	4.92	3.94	1.85	2.79	0.5	1.1	1.38	M10	110	1.68
5103-651-A40-394	HSK63F x SFC5/8" - 3.94"	4.92	3.94	1.97	2.79	0.625	1.06	1.34	M12	200	1.02
5103-651-A48-394	HSK63F x SFC3/4" - 3.94"	4.92	3.94	2.04	2.79	0.75	1.26	1.65	M16	320	1.15
5103-651-A64-394	HSK63F x SFC1" - 3.94"	4.92	3.94	2.28	2.72	1	1.42	1.65	M20	500	1.12

Features:

- ▶ Use thermal expansion to clamp tools. High rigidity and can reach high revolution. Runout is within 5μm.
- ▶ Use with shrink fit machine.
- ▶ 4.5° design allows bigger diameter which has better rigidity. Suitable for general machining.

Product information:

- ▶ We accept special order of the design with 6 threaded holes for balance (w/o balancing screws).
- ▶ Higher balancing grade and revolution can be done upon request but additional charge is needed.
- ▶ For tool shank with h6 tolerance, such as Form HA to DIN6535 and Form A to DIN 1835-1, except that the internal hole of Shrink Fit Chuck is less than 6mm.

Preset Screw



P.X-111



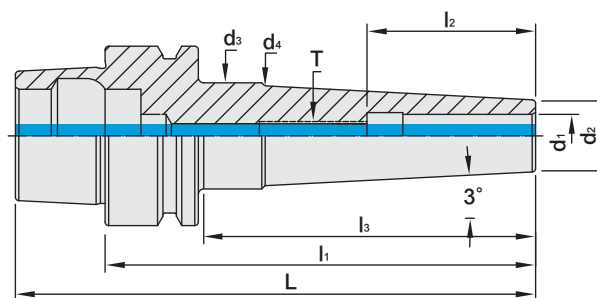
HSK / SFCT SHRINK FIT CHUCK

3°

BALANCE
G2.5
25,000 RPM

HSK / SFCT 熱膨脹刀桿

[DIN 69893-6]



MODEL NO.	TYPE	L	l ₁	l ₂	l ₃	d ₁	d ₂	d ₃	d ₄	T	TORQUE N·m min	WEIGHT (KGS)
5102-793-003-120	HSK50F x SFCT3 - 120	140	120	18	89	3	9	18	-	-	18	0.50
5102-793-004-120	HSK50F x SFCT4 - 120	140	120	20	89	4	10	18	-	-	18	0.51
5102-793-005-120	HSK50F x SFCT5 - 120	140	120	20	89	5	11	20	-	-	18	0.53
5102-793-006-120	HSK50F x SFCT6 - 120	140	120	36	89	6	12	20	-	M5	18	0.54
5102-793-008-120	HSK50F x SFCT8 - 120	140	120	36	83	8	14	24	22.7	M6	35	0.58
5102-793-010-120	HSK50F x SFCT10 - 120	140	120	42	83	10	16	26	24.7	M8	65	0.61
5102-793-012-120	HSK50F x SFCT12 - 120	140	120	47	83	12	18	28	26.7	M10	110	0.65
5102-793-014-120	HSK50F x SFCT14 - 120	140	120	47	83	14	20	30	28.7	M10	150	0.69
5102-793-016-120	HSK50F x SFCT16 - 120	140	120	50	83	16	22	32	30.7	M12	200	0.72
5102-793-018-120	HSK50F x SFCT18 - 120	140	120	50	89	18	24	32	-	M12	250	0.76
5102-793-020-160	HSK50F x SFCT20 - 160	180	160	52	129	20	26	35	-	M16	320	1.10
5103-793-003-120	HSK63F x SFCT3 - 120	145	120	18	84	3	9	17.86	-	-	18	0.75
5103-793-004-120	HSK63F x SFCT4 - 120	145	120	20	89	4	10	18	-	-	18	0.76
5103-793-005-120	HSK63F x SFCT5 - 120	145	120	20	89	5	11	20	-	-	18	0.78
5103-793-006-120	HSK63F x SFCT6 - 120	145	120	36	89	6	12	20	-	M5	18	0.79
5103-793-008-120	HSK63F x SFCT8 - 120	145	120	36	78	8	14	24	22.2	M6	35	0.84
5103-793-010-120	HSK63F x SFCT10 - 120	145	120	42	84	10	16	24.86	-	M8	65	0.88
5103-793-012-120	HSK63F x SFCT12 - 120	145	120	47	83	12	18	28	26.7	M10	110	0.90
5103-793-014-120	HSK63F x SFCT14 - 120	145	120	47	83	14	20	30	28.7	M10	150	0.94
5103-793-016-120	HSK63F x SFCT16 - 120	145	120	52	83	16	22	32	30.7	M12	200	0.97
5103-793-018-120	HSK63F x SFCT18 - 120	145	120	47	89	18	24	32	-	M12	250	1.02
5103-793-020-160	HSK63F x SFCT20 - 160	185	160	47	129	20	26	35	-	M16	320	1.35
5103-793-025-160	HSK63F x SFCT25 - 160	185	160	58	129	25	31	40	-	M20	500	1.50
5103-793-032-160	HSK63F x SFCT32 - 160	185	160	58	129	32	38	49	-	M20	550	1.86

Features:

- ▶ Use thermal expansion to clamp tools. High rigidity and can reach high revolution. Runout is within 5μm.
- ▶ Use with shrink fit machine.
- ▶ 3° design makes it more slim, decreasing interference. Suitable for mold making industry.

Product information:

- ▶ We accept special order of the design with 6 threaded holes for balance (w/o balancing screws).
- ▶ Higher balancing grade and revolution can be done upon request but additional charge is needed.
- ▶ For tool shank with h6 tolerance, such as Form HA to DIN6535 and Form A to DIN 1835-1, except that the internal hole of Shrink Fit Chuck is less than 6mm.

Preset Screw



P.X-111

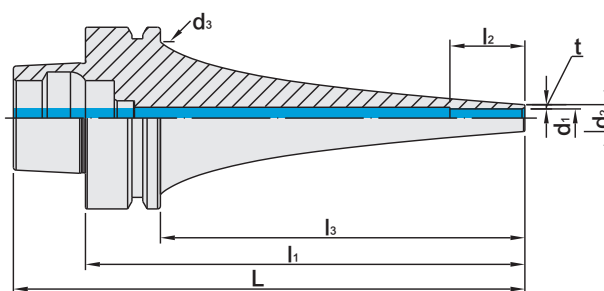


HSK / SFC SHRINK FIT CHUCK

CUL TYPE



HSK / SFC 熱膨脹刀桿 [CUL型]



MODEL NO.	TYPE	L	l ₁	l ₂	l ₃	d ₁	d ₂	d ₃	t	WEIGHT (KGS)
5103-768-004-120	HSK63F x SFC4 - 120CUL	145	120	10	94	4	10	53	3	1.04
5103-768-004-150	HSK63F x SFC4 - 150CUL	175	150	10	124	4	10	53	3	1.1
5103-768-004-200	HSK63F x SFC4 - 200CUL	225	200	10	174	4	10	53	3	1.5
5103-768-004-250	HSK63F x SFC4 - 250CUL	275	250	10	224	4	10	53	3	1.7
5103-768-006-120	HSK63F x SFC6 - 120CUL	145	120	36	94	6	13	53	3.5	1.07
5103-768-006-150	HSK63F x SFC6 - 150CUL	175	150	26	124	6	13	53	3.5	1.3
5103-768-006-200	HSK63F x SFC6 - 200CUL	225	200	26	174	6	13	53	3.5	1.5
5103-768-006-250	HSK63F x SFC6 - 250CUL	275	250	26	224	6	13	53	3.5	2.0
5103-768-008-150	HSK63F x SFC8 - 150CUL	175	150	26	124	8	16	53	4	1.4
5103-768-008-200	HSK63F x SFC8 - 200CUL	225	200	26	174	8	16	53	4	1.6
5103-768-008-250	HSK63F x SFC8 - 250CUL	275	250	26	224	8	16	53	4	1.8
5103-768-010-120	HSK63F x SFC10 - 120CUL	145	120	42	94	10	19	53	4.5	1.13
5103-768-010-150	HSK63F x SFC10 - 150CUL	175	150	32	124	10	19	53	4.5	1.4
5103-768-010-200	HSK63F x SFC10 - 200CUL	225	200	32	174	10	19	53	4.5	1.6
5103-768-010-250	HSK63F x SFC10 - 250CUL	275	250	32	224	10	19	53	4.5	2.1
5103-768-012-150	HSK63F x SFC12 - 150CUL	175	150	37	124	12	22	53	5	1.5
5103-768-012-200	HSK63F x SFC12 - 200CUL	225	200	37	174	12	22	53	5	1.7
5103-768-012-250	HSK63F x SFC12 - 250CUL	275	250	37	224	12	22	53	5	1.9

Features:

- ▶ CUL type increases rigidity and avoids interference.
- ▶ The most ideal tool holder design for 5 axis machining center.
- ▶ The design of slim nose and short overhanging length of cutter extend tool use life.
- ▶ The design of thick neck improves the rigidity during machining and product quality.

Product information:

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



PSC / SFC SHRINK FIT CHUCK

4.5°

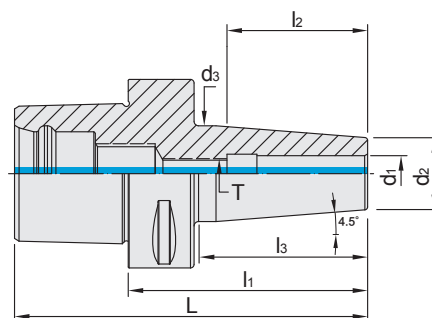
BALANCE
G2.5
25,000 RPM



PSC / SFC 熱膨脹刀桿



台灣精品 2012
TAIWAN EXCELLENCE



MODEL NO.	TYPE	L	l ₁	l ₂	l ₃	d ₁	d ₂	d ₃	T	WEIGHT (KGS)
5140-651-006-060	PSC32 x SFC6 - 60	79	60	36	40	6	12	18	M5	0.17
5140-651-008-107	PSC32 x SFC8 - 107	126	107	36	61	8	20	26	M6	0.43
5140-651-010-095	PSC32 x SFC10 - 95	114	95	42	81	10	24	32	M8	0.50
5140-651-012-084	PSC32 x SFC12 - 84	103	84	47	69	12	24	32	M10	0.41
5141-651-006-075	PSC40 x SFC6 - 75	99	75	36	53	6	20	26	M5	0.40
5141-651-008-075	PSC40 x SFC8 - 75	99	75	36	53	8	20	26	M6	0.40
5141-651-010-075	PSC40 x SFC10 - 75	99	75	42	54	10	24	32	M8	0.50
5141-651-012-075	PSC40 x SFC12 - 75	99	75	47	54	12	24	32	M10	0.50
5141-651-014-080	PSC40 x SFC14 - 80	104	80	47	59	14	27	34	M10	0.60
5141-651-016-080	PSC40 x SFC16 - 80	104	80	50	59	16	27	34	M12	0.50
5141-651-018-080	PSC40 x SFC18 - 80	104	80	52	59	18	33	42	M12	0.70
5141-651-020-085	PSC40 x SFC20 - 85	109	85	52	64	20	33	42	M16	0.70
5142-651-006-075	PSC50 x SFC6 - 75	105	75	36	53	6	20	26	M5	0.60
5142-651-008-075	PSC50 x SFC8 - 75	105	75	36	53	8	20	26	M6	0.60
5142-651-010-075	PSC50 x SFC10 - 75	105	75	42	54	10	24	32	M8	0.70
5142-651-012-075	PSC50 x SFC12 - 75	105	75	47	54	12	24	32	M10	0.60
5142-651-014-080	PSC50 x SFC14 - 80	110	80	47	59	14	27	34	M10	0.70
5142-651-016-080	PSC50 x SFC16 - 80	110	80	50	59	16	27	34	M12	0.70
5142-651-018-080	PSC50 x SFC18 - 80	110	80	52	59	18	33	42	M12	0.80
5142-651-020-085	PSC50 x SFC20 - 85	115	85	52	64	20	33	42	M16	0.90
5142-651-025-090	PSC50 x SFC25 - 90	120	90	58	68	25	44	53	M20	1.20

Features:

- ▶ Use thermal expansion to clamp tools. High rigidity and can reach high revolution. Runout is within 5μm.
- ▶ Use with shrink fit machine.
- ▶ 4.5° design allows bigger diameter which has better rigidity. Suitable for general machining.

Product information:

- ▶ We accept special order of the design with 6 threaded holes for balance (w/o balancing screws).
- ▶ Higher balancing grade and revolution can be done upon request but additional charge is needed.
- ▶ For tool shank with h6 tolerance, such as Form HA to DIN6535 and Form A to DIN 1835-1, except that the internal hole of Shrink Fit Chuck is less than 6mm.

Coolant Supply unit	Key	Preset Screw
		
P.X-70	P.X-70	P.X-111



PSC / SFC SHRINK FIT CHUCK

4.5°

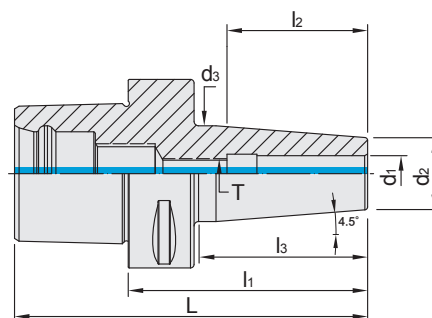
BALANCE
G2.5
25,000 RPM



PSC / SFC 熱膨脹刀桿



台灣精品 2012
TAIWAN EXCELLENCE



MODEL NO.	TYPE	L	l ₁	l ₂	l ₃	d ₁	d ₂	d ₃	T	WEIGHT (KGS)
5143-651-006-080	PSC63 x SFC6 - 80	118	80	36	53	6	20	26	M5	1.00
5143-651-008-080	PSC63 x SFC8 - 80	118	80	36	53	8	20	26	M6	0.90
5143-651-010-080	PSC63 x SFC10 - 80	118	80	42	53	10	24	32	M8	1.00
5143-651-012-080	PSC63 x SFC12 - 80	118	80	47	56	12	24	32	M10	1.00
5143-651-014-085	PSC63 x SFC14 - 85	123	85	47	58	14	27	34	M10	1.10
5143-651-016-085	PSC63 x SFC16 - 85	123	85	50	58	16	27	34	M12	1.10
5143-651-018-085	PSC63 x SFC18 - 85	123	85	52	58	18	33	42	M12	1.30
5143-651-020-085	PSC63 x SFC20 - 85	123	85	52	58	20	33	42	M16	1.20
5143-651-025-090	PSC63 x SFC25 - 90	128	90	58	66	25	44	53	M20	1.50
5143-651-032-095	PSC63 x SFC32 - 95	133	95	58	71	32	44	53	M20	1.50
5144-651-010-090	PSC80 x SFC10 - 90	138	90	42	55	10	24	32	M8	1.96
5144-651-012-090	PSC80 x SFC12 - 90	138	90	47	55	12	24	32	M10	1.94
5144-651-016-095	PSC80 x SFC16 - 95	143	95	50	60	16	27	34	M12	1.99
5144-651-020-095	PSC80 x SFC20 - 95	143	95	52	60	20	33	42	M16	2.10
5144-651-025-100	PSC80 x SFC25 - 100	148	100	58	65	25	44	53	M20	2.37

Features:

- ▶ Use thermal expansion to clamp tools. High rigidity and can reach high revolution. Runout is within 5μm.
- ▶ Use with shrink fit machine.
- ▶ 4.5° design allows bigger diameter which has better rigidity. Suitable for general machining.

Product information:

- ▶ We accept special order of the design with 6 threaded holes for balance (w/o balancing screws).
- ▶ Higher balancing grade and revolution can be done upon request but additional charge is needed.
- ▶ For tool shank with h6 tolerance, such as Form HA to DIN6535 and Form A to DIN 1835-1, except that the internal hole of Shrink Fit Chuck is less than 6mm.

Coolant Supply unit	Key	Preset Screw
		
P.X-70	P.X-70	P.X-111

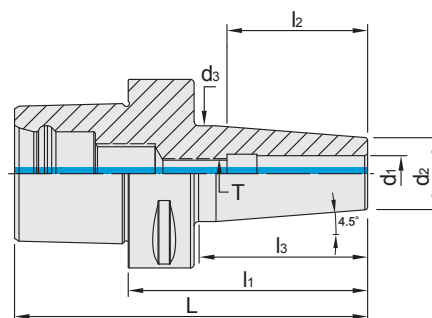


PSC / SFC SHRINK FIT CHUCK

4.5°

BALANCE
G2.5
25,000 RPM

PSC / SFC 熱膨脹刀桿

台灣精品 2012
TAIWAN EXCELLENCE

INCHES

MODEL NO.	TYPE	L	l ₁	l ₂	l ₃	d ₁	d ₂	d ₃	T	WEIGHT (KGS)
5141-651-A16-205	PSC40 x SFC 1/4" - 2.05"	2.99	2.05	1.41	1.19	0.3125	0.83	1.01	-	0.30
5141-651-A16-295	PSC40 x SFC 1/4" - 2.95"	3.9	2.95	1.41	2.09	0.3125	0.83	1.06	M5	0.40
5141-651-A20-205	PSC40 x SFC 5/16" - 2.05"	2.99	2.05	1.41	1.19	0.3125	0.83	1.01	-	0.40
5141-651-A20-295	PSC40 x SFC 5/16" - 2.95"	3.9	2.95	1.41	2.09	0.3125	0.83	1.06	M6	0.60
5141-651-A24-295	PSC40 x SFC 3/8" - 2.95"	3.9	2.95	1.61	2.13	0.375	0.95	1.26	M8	0.70
5141-651-A32-295	PSC40 x SFC 1/2" - 2.95"	3.9	2.95	1.81	2.13	0.5	1.1	1.34	M10	0.60
5141-651-A40-315	PSC40 x SFC 5/8" - 3.15"	4.09	3.15	1.93	2.32	0.625	1.06	1.34	M12	0.70
5141-651-A48-335	PSC40 x SFC 3/4" - 3.35"	4.29	3.35	2.04	2.52	0.75	1.26	1.65	M16	0.70
5142-651-A16-295	PSC50 x SFC 1/4" - 2.95"	4.13	2.95	1.41	1.97	0.3125	0.83	1.06	M5	0.60
5142-651-A20-295	PSC50 x SFC 5/16" - 2.95"	4.13	2.95	1.41	1.97	0.3125	0.83	1.06	M6	0.60
5142-651-A24-295	PSC50 x SFC 3/8" - 2.95"	4.13	2.95	1.61	2.87	0.375	0.95	1.26	M8	0.70
5142-651-A32-295	PSC50 x SFC 1/2" - 2.95"	4.13	2.95	1.81	1.97	0.5	1.1	1.34	M10	0.60
5142-651-A40-315	PSC50 x SFC 5/8" - 3.15"	4.33	3.15	1.93	2.17	0.625	1.06	1.34	M12	0.70
5142-651-A48-335	PSC50 x SFC 3/4" - 3.35"	4.53	3.35	2.04	2.48	0.75	1.26	1.65	M16	0.90
5142-651-A64-354	PSC50 x SFC 1" - 3.54"	4.72	3.54	2.24	2.7	1	1.73	2.08	M16	1.20
5143-651-A16-315	PSC63 x SFC 1/4" - 3.15"	4.65	3.15	1.41	2.87	0.3125	0.83	1.06	M5	1.00
5143-651-A20-315	PSC63 x SFC 5/16" - 3.15"	4.65	3.15	1.41	2.87	0.3125	0.83	1.06	M6	0.90
5143-651-A24-315	PSC63 x SFC 3/8" - 3.15"	4.65	3.15	1.61	2.87	0.375	0.95	1.26	M8	0.90
5143-651-A32-315	PSC63 x SFC 1/2" - 3.15"	4.65	3.15	1.81	2.87	0.5	1.1	1.34	M10	1.00
5143-651-A40-335	PSC63 x SFC 5/8" - 3.35"	4.84	3.35	1.93	2.28	0.625	1.06	1.34	M12	1.10
5143-651-A48-335	PSC63 x SFC 3/4" - 3.35"	4.84	3.35	2.04	2.28	0.75	1.26	1.65	M16	1.20
5143-651-A64-354	PSC63 x SFC 1" - 3.54"	5.04	3.54	2.24	2.6	1	1.73	2.08	M16	1.50
5143-651-A72-374	PSC63 x SFC 1-1/4" - 3.74"	5.24	3.74	2.4	2.8	1.25	1.73	2.08	M16	1.50
5144-651-A24-354	PSC80 x SFC 3/8" - 3.54"	5.43	3.54	1.65	2.17	0.375	0.95	1.26	M8	1.96
5144-651-A32-354	PSC80 x SFC 1/2" - 3.54"	5.43	3.54	1.85	2.17	0.5	1.10	1.34	M10	1.94
5144-651-A40-374	PSC80 x SFC 5/8" - 3.74"	5.63	3.74	1.97	2.36	0.625	1.06	1.34	M12	1.99
5144-651-A48-374	PSC80 x SFC 3/4" - 3.74"	5.63	3.74	2.04	2.36	0.75	1.26	1.65	M16	2.10

Features:

- ▶ Use thermal expansion to clamp tools. High rigidity and can reach high revolution. Runout is within 5μm.
- ▶ Use with shrink fit machine.
- ▶ 4.5° design allows bigger diameter which has better rigidity. Suitable for general machining.

Product information:

- ▶ We accept special order of the design with 6 threaded holes for balance (w/o balancing screws).
- ▶ Higher balancing grade and revolution can be done upon request but additional charge is needed.
- ▶ For tool shank with h6 tolerance, such as Form HA to DIN6535 and Form A to DIN 1835-1, except that the internal hole of Shrink Fit Chuck is less than 6mm.

Coolant Supply unit	Key	Preset Screw
P.X-70	P.X-70	P.X-111

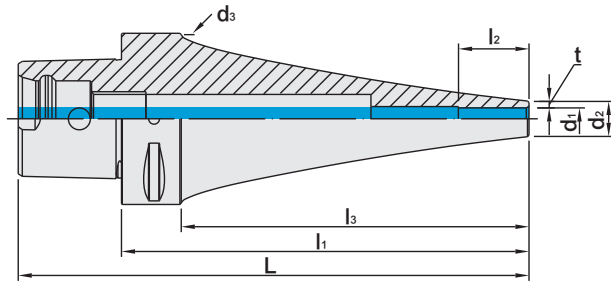


PSC / SFC SHRINK FIT CHUCK

CUL TYPE



PSC / SFC 熱膨脹刀桿 [CUL型]



MODEL NO.	TYPE	L	l ₁	l ₂	l ₃	d ₁	d ₂	d ₃	t	WEIGHT (KGS)
5143-768-004-150	PSC63 x SFC4 - 150CUL	188	150	10	128	4	10	53	3	1.5
5143-768-004-200	PSC63 x SFC4 - 200CUL	238	200	10	178	4	10	53	3	1.6
5143-768-004-250	PSC63 x SFC4 - 250CUL	288	250	10	228	4	10	53	3	1.7
5143-768-004-300	PSC63 x SFC4 - 300CUL	338	300	10	278	4	10	53	3	1.8
5143-768-006-150	PSC63 x SFC6 - 150CUL	188	150	26	128	6	13	53	3.5	1.5
5143-768-006-200	PSC63 x SFC6 - 200CUL	238	200	26	178	6	13	53	3.5	1.7
5143-768-006-250	PSC63 x SFC6 - 250CUL	288	250	26	228	6	13	53	3.5	1.8
5143-768-006-300	PSC63 x SFC6 - 300CUL	338	300	26	278	6	13	53	3.5	1.9
5143-768-008-150	PSC63 x SFC8 - 150CUL	188	150	26	128	8	16	53	4	1.6
5143-768-008-200	PSC63 x SFC8 - 200CUL	238	200	26	178	8	16	53	4	1.7
5143-768-008-250	PSC63 x SFC8 - 250CUL	288	250	26	228	8	16	53	4	1.9
5143-768-008-300	PSC63 x SFC8 - 300CUL	338	300	26	278	8	16	53	4	2.0
5143-768-010-150	PSC63 x SFC10 - 150CUL	188	150	32	128	10	19	53	4.5	1.6
5143-768-010-200	PSC63 x SFC10 - 200CUL	238	200	32	178	10	19	53	4.5	1.8
5143-768-010-250	PSC63 x SFC10 - 250CUL	288	250	32	228	10	19	53	4.5	2.0
5143-768-010-300	PSC63 x SFC10 - 300CUL	338	300	32	278	10	19	53	4.5	2.1
5143-768-012-150	PSC63 x SFC12 - 150CUL	188	150	37	128	12	22	53	5	1.7
5143-768-012-200	PSC63 x SFC12 - 200CUL	238	200	37	178	12	22	53	5	1.9
5143-768-012-250	PSC63 x SFC12 - 250CUL	288	250	37	228	12	22	53	5	2.1
5143-768-012-300	PSC63 x SFC12 - 300CUL	338	300	37	278	12	22	53	5	2.2

Features:

- ▶ CUL type increases rigidity and avoids interference.
- ▶ The most ideal tool holder design for 5 axis machining center.
- ▶ The design of slim nose and short overhanging length of cutter extend tool use life.
- ▶ The design of thick neck improves the rigidity during machining and product quality.

Product information:

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

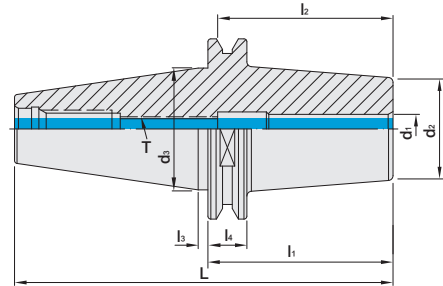
Coolant Supply unit	Key
	
P.X-70	P.X-70



ISO / SFC SHRINK FIT CHUCK



ISO / SFC 熱膨脹刀桿



MODEL NO.	TYPE	L	l ₁	l ₂	l ₃	l ₄	d ₁	d ₂	d ₃	T	WEIGHT (KGS)
5111-651-003-060	ISO20 x SFC3 - 60	93.3	60	18	2	8	3	9	21.642	M6	0.40
5111-651-004-060	ISO20 x SFC4 - 60	93.3	60	20	2	8	4	10	21.642	M6	0.40
5111-651-005-060	ISO20 x SFC5 - 60	93.3	60	20	2	8	5	16	21.642	M6	0.40
5111-651-006-060	ISO20 x SFC6 - 60	93.3	60	36	2	8	6	21	21.642	M5	0.40
5112-651-003-060	ISO25 x SFC3 - 60	92.7	60	18	2.95	8	3	9	24.91	M6	0.40
5112-651-004-060	ISO25 x SFC4 - 60	92.7	60	20	2.95	8	4	10	24.91	M6	0.42
5112-651-005-060	ISO25 x SFC5 - 60	92.7	60	20	2.95	8	5	16	24.91	M6	0.42
5112-651-006-060	ISO25 x SFC6 - 60	97.7	60	36	2.95	8	6	21	24.91	M5	0.42
5112-651-008-060	ISO25 x SFC8 - 60	97.7	60	36	2.95	8	8	21	24.91	M6	0.43
5112-651-010-060	ISO25 x SFC10 - 60	97.7	60	42	2.95	8	10	24	24.91	M8	0.44
5112-651-012-060	ISO25 x SFC12 - 60	97.7	60	47	2.95	8	12	24	24.91	M10	0.44
5113-651-003-060	ISO30 x SFC3 - 60	107.8	60	18	3.2	15.9	3	9	31.75	M6	1.00
5113-651-004-060	ISO30 x SFC4 - 60	107.8	60	20	3.2	15.9	4	10	31.75	M6	1.00
5113-651-005-060	ISO30 x SFC5 - 60	107.8	60	20	3.2	15.9	5	16	31.75	M6	1.10
5113-651-006-060	ISO30 x SFC6 - 60	107.8	60	36	3.2	15.9	6	21	31.75	M5	1.10
5113-651-008-080	ISO30 x SFC8 - 80	117.8	80	36	3.2	15.9	8	21	31.75	M6	1.10
5113-651-010-080	ISO30 x SFC10 - 80	117.8	80	42	3.2	15.9	10	24	31.75	M8	1.10
5113-651-012-080	ISO30 x SFC12 - 80	117.8	80	47	3.2	15.9	12	24	31.75	M10	1.10
5113-651-014-080	ISO30 x SFC14 - 80	117.8	80	47	3.2	15.9	14	24	31.75	M10	1.10
5113-651-016-080	ISO30 x SFC16 - 80	117.8	80	50	3.2	15.9	16	27	31.75	M12	1.10

Features:

- Use thermal expansion to clamp tools. High rigidity and can reach high revolution. Runout is within 5µm.
- Use with shrink fit machine.
- 4.5° design allows bigger diameter which has better rigidity. Suitable for general machining.

Product information:

- We accept special order of the design with 6 threaded holes for balance (w/o balancing screws).
- Higher balancing grade and revolution can be done upon request but additional charge is needed.
- For tool shank with h6 tolerance, such as Form HA to DIN6535 and Form A to DIN 1835-1, except that the internal hole of Shrink Fit Chuck is less than 6mm.

Pull Stud	Torque Wrench Adapter (Pull Stud)	Spanner (Pull Stud)	Preset Screw
P.X-68	P.X-73、77	P.X-78	P.X-111

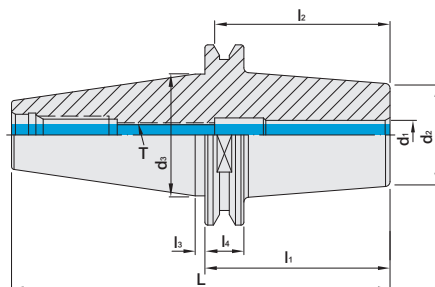


ISO / SFC SHRINK FIT CHUCK

4.5°

BALANCE
G2.5
25,000 RPM

ISO / SFC 熱膨脹刀桿



INCHES

MODEL NO.	TYPE	L	l ₁	l ₂	l ₃	l ₄	d ₁	d ₂	d ₃	T	WEIGHT (KGS)
5111-651-A08-250	ISO20 x SFC 1/8" - 2.5"	3.81	2.5	0.71	0.079	0.315	0.125	0.36	0.852	-	0.40
5111-651-A12-250	ISO20 x SFC 3/16" - 2.5"	3.81	2.5	0.79	0.079	0.315	0.1875	0.43	0.852	-	0.40
5111-651-A16-250	ISO20 x SFC 1/4" - 2.5"	3.81	2.5	1.42	0.079	0.315	0.25	0.71	0.852	M5	0.40
5111-651-A20-250	ISO20 x SFC 5/16" - 2.5"	3.81	2.5	1.42	0.079	0.315	0.3125	0.79	0.852	M6	0.40
5112-651-A08-250	ISO25 x SFC 1/8" - 2.5"	3.98	2.5	0.71	0.116	0.315	0.125	0.36	0.981	-	0.40
5112-651-A12-250	ISO25 x SFC 3/16" - 2.5"	3.98	2.5	0.79	0.116	0.315	0.1875	0.43	0.981	-	0.42
5112-651-A16-250	ISO25 x SFC 1/4" - 2.5"	3.99	2.5	1.42	0.116	0.315	0.25	0.71	0.981	M5	0.42
5112-651-A20-250	ISO25 x SFC 5/16" - 2.5"	3.98	2.5	1.42	0.116	0.315	0.3125	0.79	0.981	M6	0.42
5112-651-A24-250	ISO25 x SFC 3/8" - 2.5"	3.98	2.5	1.65	0.116	0.315	0.375	0.94	0.981	M8	0.43
5113-651-A08-250	ISO30 x SFC 1/8" - 2.5"	4.39	2.5	0.71	0.126	0.626	0.125	0.36	1.25	-	0.44
5113-651-A12-250	ISO30 x SFC 3/16" - 2.5"	4.39	2.5	0.79	0.126	0.626	0.1875	0.43	1.25	-	0.44
5113-651-A16-250	ISO30 x SFC 1/4" - 2.5"	4.38	2.5	1.42	0.126	0.626	0.25	0.71	1.25	M5	1.00
5113-651-A20-315	ISO30 x SFC 5/16" - 3.15"	4.64	3.15	1.42	0.126	0.626	0.3125	0.79	1.25	M6	1.00
5113-651-A24-315	ISO30 x SFC 3/8" - 3.15"	4.64	3.15	1.65	0.126	0.626	0.375	0.94	1.25	M8	1.10
5113-651-A32-315	ISO30 x SFC 1/2" - 3.15"	4.64	3.15	1.85	0.126	0.626	0.5	1.1	1.25	M10	1.10
5113-651-A40-315	ISO30 x SFC 5/8" - 3.15"	4.64	3.15	1.97	0.126	0.626	0.625	1.06	1.25	M12	1.10

Features:

- Use thermal expansion to clamp tools. High rigidity and can reach high revolution. Runout is within 5µm.
- Use with shrink fit machine.
- 4.5° design allows bigger diameter which has better rigidity. Suitable for general machining.

Product information:

- We accept special order of the design with 6 threaded holes for balance (w/o balancing screws).
- Higher balancing grade and revolution can be done upon request but additional charge is needed.
- For tool shank with h6 tolerance, such as Form HA to DIN6535 and Form A to DIN 1835-1, except that the internal hole of Shrink Fit Chuck is less than 6mm.

Pull Stud	Torque Wrench Adapter (Pull Stud)	Spanner (Pull Stud)	Preset Screw
			
P.X-68	P.X-73、77	P.X-78	P.X-111

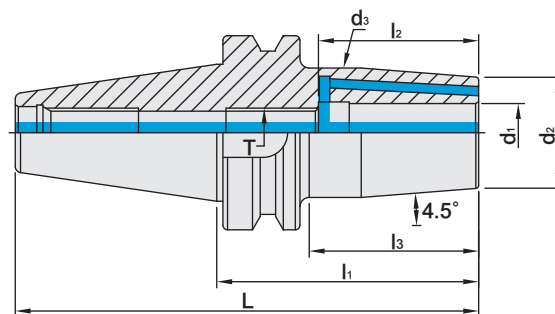


BT / SFC SHRINK FIT CHUCK

with CP coolant hole



BT / SFC 熱膨脹刀桿 [出水孔型]



MODEL NO.	TYPE	L	l ₁	l ₂	l ₃	d ₁	d ₂	d ₃	T	TORQUE N·m min	WEIGHT (KGS)
5010-801-006-060	BT30 x SFC6 - 60 - CP	108.4	60	36	33	6	23	28.2	M5	18	0.70
5010-801-006-080	BT30 x SFC6 - 80 - CP	128.4	80	36	53	6	21	27	M5	18	0.86
5010-801-008-060	BT30 x SFC8 - 60 - CP	108.4	60	36	33	8	23	28.2	M6	35	0.52
5010-801-008-080	BT30 x SFC8 - 80 - CP	128.4	80	36	53	8	21	27	M6	35	0.58
5010-801-010-060	BT30 x SFC10 - 60 - CP	108.4	60	42	35	10	27	29.4	M8	65	0.52
5010-801-010-080	BT30 x SFC10 - 80 - CP	128.4	80	42	53	10	24	32	M8	65	0.64
5010-801-012-060	BT30 x SFC12 - 60 - CP	108.4	60	47	36	12	27	32.6	M10	110	0.52
5010-801-012-080	BT30 x SFC12 - 80 - CP	128.4	80	47	53	12	24	32	M10	110	0.62
5010-801-014-065	BT30 x SFC14 - 65 - CP	113.4	65	47	41	14	30	36.4	M10	150	0.57
5010-801-014-080	BT30 x SFC14 - 80 - CP	128.4	80	47	55	14	27	34	M10	150	0.69
5010-801-016-065	BT30 x SFC16 - 65 - CP	113.4	65	50	41	16	30	36.4	M12	200	0.55
5010-801-016-080	BT30 x SFC16 - 80 - CP	128.4	80	50	55	16	27	34	M12	200	0.65
5010-801-018-070	BT30 x SFC18 - 70 - CP	118.4	70	50	46	18	35.5	40.5	M12	250	0.72
5010-801-018-090	BT30 x SFC18 - 90 - CP	138.4	90	50	66	18	33	40.5	M12	250	0.87
5010-801-020-070	BT30 x SFC20 - 70 - CP	118.4	70	52	46	20	35.5	40.5	M16	320	0.70
5010-801-020-090	BT30 x SFC20 - 90 - CP	138.4	90	52	66	20	33	40.5	M16	320	0.81

Features:

- ▶ Use thermal expansion to clamp tools. High rigidity and can reach high revolution. Runout is within 5μm.
- ▶ Use with shrink fit machine.
- ▶ 4.5° design allows bigger diameter which has better rigidity. Suitable for general machining.

Product information:

- ▶ We accept special order of the design with 6 threaded holes for balance (w/o balancing screws).
- ▶ Higher balancing grade and revolution can be done upon request but additional charge is needed.
- ▶ For tool shank with h6 tolerance, such as Form HA to DIN6535 and Form A to DIN 1835-1, except that the internal hole of Shrink Fit Chuck is less than 6mm.

Pull Stud	Torque Wrench Adapter (Pull Stud)	Spanner (Pull Stud)	Preset Screw
P.X-64~65	P.X-73、77	P.X-78	P.X-111

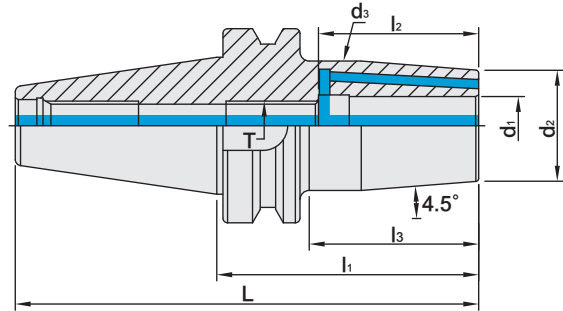


BT / SFC SHRINK FIT CHUCK

with CP coolant hole



BT / SFC 熱膨脹刀桿 [出水孔型]



MODEL NO.	TYPE	L	l ₁	l ₂	l ₃	d ₁	d ₂	d ₃	T	TORQUE N·m min	WEIGHT (KGS)
5011-801-006-090	BT40 x SFC6 - 90 - CP	155.4	90	36	58	6	21	27	M5	18	1.23
5011-801-006-130	BT40 x SFC6 - 130 - CP	195.4	130	36	93	6	21	27	M5	18	1.41
5011-801-006-160	BT40 x SFC6 - 160 - CP	225.4	160	36	123	6	21	27	M5	18	1.54
5011-801-006-200	BT40 x SFC6 - 200 - CP	265.4	200	36	163	6	21	27	M5	18	1.72
5011-801-008-090	BT40 x SFC8 - 90 - CP	155.4	90	36	58	8	21	27	M6	35	1.23
5011-801-008-130	BT40 x SFC8 - 130 - CP	195.4	130	36	93	8	21	27	M6	35	1.41
5011-801-008-160	BT40 x SFC8 - 160 - CP	225.4	160	36	123	8	21	27	M6	35	1.54
5011-801-008-200	BT40 x SFC8 - 200 - CP	265.4	200	36	163	8	21	27	M6	35	1.72
5011-801-010-090	BT40 x SFC10 - 90 - CP	155.4	90	52	58	10	24	32	M8	65	1.48
5011-801-010-130	BT40 x SFC10 - 130 - CP	195.4	130	52	93	10	24	32	M8	65	1.66
5011-801-010-160	BT40 x SFC10 - 160 - CP	225.4	160	52	123	10	24	32	M8	65	1.79
5011-801-010-200	BT40 x SFC10 - 200 - CP	265.4	200	52	163	10	24	32	M8	65	1.97
5011-801-012-090	BT40 x SFC12 - 90 - CP	155.4	90	52	58	12	24	32	M10	110	1.68
5011-801-012-130	BT40 x SFC12 - 130 - CP	195.4	130	52	93	12	24	32	M10	110	1.86
5011-801-012-160	BT40 x SFC12 - 160 - CP	225.4	160	52	123	12	24	32	M10	110	1.99
5011-801-012-200	BT40 x SFC12 - 200 - CP	265.4	200	52	163	12	24	32	M10	110	2.17
5011-801-014-090	BT40 x SFC14 - 90 - CP	155.4	90	52	53	14	27	34	M10	150	1.76
5011-801-014-130	BT40 x SFC14 - 130 - CP	195.4	130	52	93	14	27	34	M10	150	1.94
5011-801-014-160	BT40 x SFC14 - 160 - CP	225.4	160	52	123	14	27	34	M10	150	2.07
5011-801-014-200	BT40 x SFC14 - 200 - CP	265.4	200	52	163	14	27	34	M10	150	2.25

Features:

- Use thermal expansion to clamp tools. High rigidity and can reach high revolution. Runout is within 5μm.
- Use with shrink fit machine.
- 4.5° design allows bigger diameter which has better rigidity. Suitable for general machining.

Product information:

- We accept special order of the design with 6 threaded holes for balance (w/o balancing screws).
- Higher balancing grade and revolution can be done upon request but additional charge is needed.
- For tool shank with h6 tolerance, such as Form HA to DIN6535 and Form A to DIN 1835-1, except that the internal hole of Shrink Fit Chuck is less than 6mm.

Pull Stud	Torque Wrench Adapter (Pull Stud)	Spanner (Pull Stud)	Preset Screw
P.X-64~65	P.X-73、77	P.X-78	P.X-111

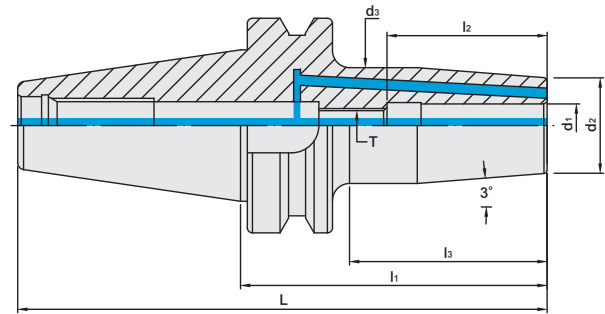


BT / SFCT SHRINK FIT CHUCK

with CP coolant hole



BT / SFCT 熱膨脹刀桿 [出水孔型]



MODEL NO.	TYPE	L	l ₁	l ₂	l ₃	d ₁	d ₂	d ₃	T	TORQUE N·m min	WEIGHT (KGS)
5010-794-004-080	BT30 x SFCT4 - 80 - CP	128.4	80	20	53	4	21	26	M6	18	0.42
5010-794-005-080	BT30 x SFCT5 - 80 - CP	128.4	80	20	53	5	21	26	M6	18	0.54
5010-794-006-080	BT30 x SFCT6 - 80 - CP	128.4	80	36	53	6	21	26	M5	18	0.64
5010-794-008-080	BT30 x SFCT8 - 80 - CP	128.4	80	36	53	8	21	26	M6	35	0.56
5010-794-010-080	BT30 x SFCT10 - 80 - CP	128.4	80	42	53	10	24	29	M8	65	0.66
5010-794-012-080	BT30 x SFCT12 - 80 - CP	128.4	80	52	53	12	24	29	M10	110	0.66
5010-794-014-080	BT30 x SFCT14 - 80 - CP	128.4	80	52	46	14	24	32	M10	150	0.58
5010-794-016-080	BT30 x SFCT16 - 80 - CP	128.4	80	52	55	16	27	32	M12	200	0.60
5010-794-018-090	BT30 x SFCT18 - 90 - CP	138.4	90	52	66	18	33	38	M12	250	0.80
5010-794-020-090	BT30 x SFCT20 - 90 - CP	138.4	90	52	66	20	33	38	M16	320	0.76
5010-794-025-100	BT30 x SFCT25 - 100 - CP	148.4	100	58	78	25	44	49	M20	500	1.17
5011-794-004-090	BT40 x SFCT4 - 90 - CP	155.4	90	20	53	4	21	26	M6	18	1.01
5011-794-005-090	BT40 x SFCT5 - 90 - CP	155.4	90	20	58	5	21	26	M6	18	1.07
5011-794-006-090	BT40 x SFCT6 - 90 - CP	155.4	90	36	58	6	21	26	M5	18	1.15
5011-794-008-090	BT40 x SFCT8 - 90 - CP	155.4	90	36	58	8	21	26	M6	35	1.15
5011-794-010-090	BT40 x SFCT10 - 90 - CP	155.4	90	42	58	10	24	29	M8	65	1.20
5011-794-012-090	BT40 x SFCT12 - 90 - CP	155.4	90	52	58	12	24	29	M10	110	1.19
5011-794-014-090	BT40 x SFCT14 - 90 - CP	155.4	90	52	58	14	27	32	M10	150	1.24
5011-794-016-090	BT40 x SFCT16 - 90 - CP	155.4	90	52	58	16	27	32	M12	200	1.21
5011-794-018-100	BT40 x SFCT18 - 100 - CP	165.4	100	52	68	18	33	38	M12	250	1.42
5011-794-019-090	BT40 x SFCT19 - 90 - CP	155.4	90	60	58	19	33	38	M16	250	1.40
5011-794-020-100	BT40 x SFCT20 - 100 - CP	165.4	100	52	68	20	33	38	M16	320	1.38
5011-794-024-090	BT40 x SFCT24 - 90 - CP	155.4	90	72	61	24	44	49	M20	500	1.36
5011-794-025-100	BT40 x SFCT25 - 100 - CP	165.4	100	58	71	25	44	49	M20	500	1.66
5011-794-032-100	BT40 x SFCT32 - 100 - CP	165.4	100	58	71	32	44	49	M20	550	1.52

Features:

- ▶ CP type has 3 coolant holes on the face, achieving efficient cooling.
- ▶ Coolant fluid from 3 coolant holes concentrates on tools, optimizing heat dissipation and chip evacuation.
- ▶ The design of 3 coolant holes allows internal hole to expand evenly, free from deformation and maintains good runout accuracy, expanding the holder use life.
- ▶ 3° design makes it more slim, decreasing interference. Suitable for mold making industry.

Product information:

- ▶ We accept special order of the design with 6 threaded holes for balance (w/o balancing screws).
- ▶ Higher balancing grade and revolution can be done upon request but additional charge is needed.
- ▶ For tool shank with h6 tolerance, such as Form HA to DIN6535 and Form A to DIN 1835-1, except that the internal hole of Shrink Fit Chuck is less than 6mm.
- ▶ AD+B type is available, please inform us when making an order.
- ▶ MAS/BT30 tool holders are without coolant supply over collars.

Pull Stud	Torque Wrench Adapter (Pull Stud)	Spanner (Pull Stud)	Preset Screw
P.X-64~65	P.X-73、77	P.X-78	P.X-111

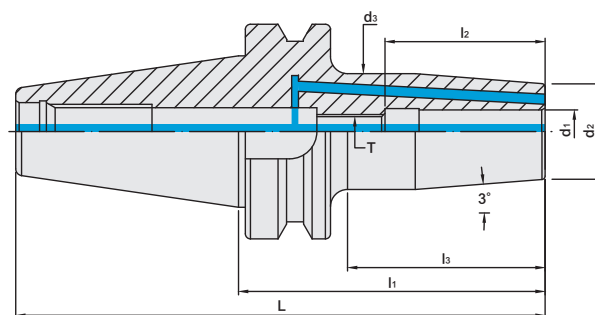


BT / SFCT SHRINK FIT CHUCK

with CP coolant hole



BT / SFCT 熱膨脹刀桿 [出水孔型]



MODEL NO.	TYPE	L	l ₁	l ₂	l ₃	d ₁	d ₂	d ₃	T	TORQUE N·m min	WEIGHT (KGS)
5012-794-004-100	BT50 x SFCT4 - 100 - CP	201.8	100	20	52	4	21	26	M6	18	3.86
5012-794-005-100	BT50 x SFCT5 - 100 - CP	201.8	100	20	57	5	21	26	M6	18	3.86
5012-794-006-100	BT50 x SFCT6 - 100 - CP	201.8	100	36	57	6	21	26	M5	18	3.92
5012-794-008-100	BT50 x SFCT8 - 100 - CP	201.8	100	36	52	8	21	26	M6	35	3.92
5012-794-010-100	BT50 x SFCT10 - 100 - CP	201.8	100	42	58	10	24	29	M8	65	3.90
5012-794-012-100	BT50 x SFCT12 - 100 - CP	201.8	100	52	52	12	24	29	M10	110	3.94
5012-794-014-100	BT50 x SFCT14 - 100 - CP	201.8	100	52	57	14	27	32	M10	150	4.02
5012-794-016-100	BT50 x SFCT16 - 100 - CP	201.8	100	52	52	16	27	32	M12	200	3.96
5012-794-018-110	BT50 x SFCT18 - 110 - CP	211.8	110	52	62	18	33	38	M12	250	4.18
5012-794-020-110	BT50 x SFCT20 - 110 - CP	211.8	110	52	67	20	33	38	M16	320	4.14
5012-794-025-110	BT50 x SFCT25 - 110 - CP	211.8	110	58	67	25	44	49	M20	500	4.46
5012-794-032-110	BT50 x SFCT32 - 110 - CP	211.8	110	58	67	32	44	49	M20	550	4.30

Features:

- ▶ CP type has 3 coolant holes on the face, achieving efficient cooling.
- ▶ Coolant fluid from 3 coolant holes concentrates on tools, optimizing heat dissipation and chip evacuation.
- ▶ The design of 3 coolant holes allows internal hole to expand evenly, free from deformation and maintains good runout accuracy, expanding the holder use life.
- ▶ 3° design makes it more slim, decreasing interference. Suitable for mold making industry.

Product information:

- ▶ We accept special order of the design with 6 threaded holes for balance (w/o balancing screws).
- ▶ Higher balancing grade and revolution can be done upon request but additional charge is needed.
- ▶ For tool shank with h6 tolerance, such as Form HA to DIN6535 and Form A to DIN 1835-1, except that the internal hole of Shrink Fit Chuck is less than 6mm.
- ▶ AD+B type is available, please inform us when making an order.

Pull Stud	Torque Wrench Adapter (Pull Stud)	Spanner (Pull Stud)	Preset Screw
P.X-64~65	P.X-73、77	P.X-78	P.X-111

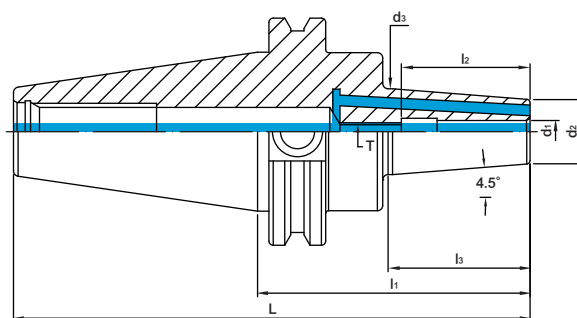


CAT / SFC SHRINK FIT CHUCK

with CP coolant hole



CAT / SFC 熱膨脹刀桿 [出水孔型]



MODEL NO.	TYPE	L	l ₁	l ₂	l ₃	d ₁	d ₂	d ₃	T	TORQUE N·m min	WEIGHT (KGS)
5031-801-003-100	CAT40 x SFC3 - 100 - CP	168.249	100	18	55	3	16	22	M8	18	1.04
5031-801-004-100	CAT40 x SFC4 - 100 - CP	168.249	100	20	60	4	14	22	-	18	1.06
5031-801-005-100	CAT40 x SFC5 - 100 - CP	168.249	100	20	60	5	16	22	M8	18	1.12
5031-801-006-100	CAT40 x SFC6 - 100 - CP	168.249	100	36	54	6	21	27	M5	18	1.23
5031-801-006-150	CAT40 x SFC6 - 150 - CP	218.249	150	36	104	6	21	27	M5	18	1.39
5031-801-008-100	CAT40 x SFC8 - 100 - CP	168.249	100	36	54	8	21	27	M6	35	1.22
5031-801-008-150	CAT40 x SFC8 - 150 - CP	218.249	150	36	104	8	21	27	M6	35	1.39
5031-801-010-100	CAT40 x SFC10 - 100 - CP	168.249	100	42	56	10	24	32	M8	65	1.28
5031-801-010-150	CAT40 x SFC10 - 150 - CP	218.249	150	42	106	10	24	32	M8	65	1.53
5031-801-012-100	CAT40 x SFC12 - 100 - CP	168.249	100	47	59	12	24	33.3	M10	110	1.27
5031-801-012-150	CAT40 x SFC12 - 150 - CP	218.249	150	47	104	12	24	32	M10	110	1.52
5031-801-014-095	CAT40 x SFC14 - 95.3 - CP	163.549	95.3	47	59	14	27	34	M10	150	1.27
5031-801-014-100	CAT40 x SFC14 - 100 - CP	168.249	100	47	59	14	27	34	M10	150	1.31
5031-801-014-152	CAT40 x SFC14 - 152.4 - CP	220.649	152.4	47	112	14	27	34	M10	150	1.62
5031-801-016-095	CAT40 x SFC16 - 95.3 - CP	163.549	95.3	50	54	16	27	34	M12	200	1.25
5031-801-016-100	CAT40 x SFC16 - 100 - CP	168.249	100	50	59	16	27	34	M12	200	1.28
5031-801-016-160	CAT40 x SFC16 - 160 - CP	228.249	160	50	119	16	27	34	M12	200	1.64
5031-801-018-100	CAT40 x SFC18 - 100 - CP	168.249	100	50	63	18	33	42	M12	250	1.43
5031-801-020-080	CAT40 x SFC20 - 80 - CP	148.249	80	52	42	20	33	39	M16	320	1.20

Features:

- ▶ CP type has 3 coolant holes on the face, achieving efficient cooling.
- ▶ Coolant fluid from 3 coolant holes concentrates on tools, optimizing heat dissipation and chip evacuation.
- ▶ The design of 3 coolant holes allows internal hole to expand evenly, free from deformation and maintains good runout accuracy, expanding the holder use life.
- ▶ 4.5° design allows bigger diameter which has better rigidity. Suitable for general machining.

Product information:

- ▶ We accept special order of the design with 6 threaded holes for balance (w/o balancing screws).
- ▶ Higher balancing grade and revolution can be done upon request but additional charge is needed.
- ▶ For tool shank with h6 tolerance, such as Form HA to DIN6535 and Form A to DIN 1835-1, except that the internal hole of Shrink Fit Chuck is less than 6mm.
- ▶ AD+B type is available, please inform us when making an order.

Pull Stud	Torque Wrench Adapter (Pull Stud)	Spanner (Pull Stud)	Preset Screw
P.X-66	P.X-73、77	P.X-78	P.X-111



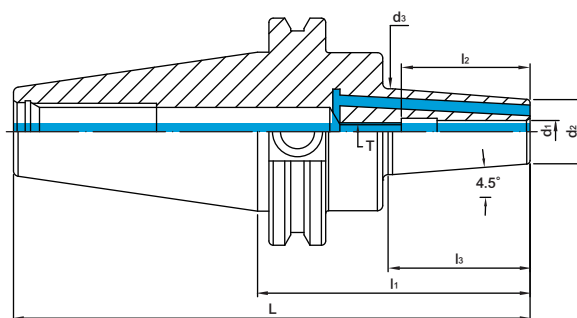
CAT / SFC SHRINK FIT CHUCK

with CP coolant hole

4.5°

Coolant
holeBALANCE
G2.5
25,000 RPM

CAT / SFC 熱膨脹刀桿 [出水孔型]



MODEL NO.	TYPE	L	l ₁	l ₂	l ₃	d ₁	d ₂	d ₃	T	TORQUE N·m min	WEIGHT (KGS)
5032-801-006-100	CAT50 x SFC6 - 100 - CP	201.6	100	36	62	6	21	27	M5	18	3.21
5032-801-006-150	CAT50 x SFC6 - 150 - CP	251.6	150	36	101	6	21	27	M5	18	3.42
5032-801-008-100	CAT50 x SFC8 - 100 - CP	201.6	100	36	60	8	21	27	M6	35	3.21
5032-801-008-150	CAT50 x SFC8 - 150 - CP	251.6	150	36	101	8	21	27	M6	35	3.41
5032-801-010-100	CAT50 x SFC10 - 100 - CP	201.6	100	42	60	10	24	32	M8	65	3.27
5032-801-010-150	CAT50 x SFC10 - 150 - CP	251.6	150	42	91	10	24	32	M8	65	3.74
5032-801-012-100	CAT50 x SFC12 - 100 - CP	201.6	100	47	62	12	24	32	M10	110	3.26
5032-801-012-150	CAT50 x SFC12 - 150 - CP	251.6	150	47	91	12	24	32	M10	110	3.71
5032-801-014-100	CAT50 x SFC14 - 100 - CP	201.6	100	47	62	14	27	34	M10	150	3.31
5032-801-014-150	CAT50 x SFC14 - 150 - CP	251.6	150	47	92	14	27	34	M10	150	3.79
5032-801-016-100	CAT50 x SFC16 - 100 - CP	201.6	100	50	62	16	27	34	M12	200	3.29
5032-801-016-160	CAT50 x SFC16 - 160 - CP	261.6	160	50	102	16	27	34	M12	200	3.83
5032-801-018-100	CAT50 x SFC18 - 100 - CP	201.6	100	50	62	18	33	42	M12	250	3.45
5032-801-020-080	CAT50 x SFC20 - 80 - CP	181.6	80	52	35	20	33	42	M16	320	3.26
5032-801-025-100	CAT50 x SFC25 - 100 - CP	201.6	100	58	62	25	44	53	M20	500	3.69
5032-801-032-100	CAT50 x SFC32 - 100 - CP	201.6	100	58	62	32	44	53	M20	550	3.55

Features:

- ▶ CP type has 3 coolant holes on the face, achieving efficient cooling.
- ▶ Coolant fluid from 3 coolant holes concentrates on tools, optimizing heat dissipation and chip evacuation.
- ▶ The design of 3 coolant holes allows internal hole to expand evenly, free from deformation and maintains good runout accuracy, expanding the holder use life.
- ▶ 4.5° design allows bigger diameter which has better rigidity. Suitable for general machining.

Product information:

- ▶ We accept special order of the design with 6 threaded holes for balance (w/o balancing screws).
- ▶ Higher balancing grade and revolution can be done upon request but additional charge is needed.
- ▶ For tool shank with h6 tolerance, such as Form HA to DIN6535 and Form A to DIN 1835-1, except that the internal hole of Shrink Fit Chuck is less than 6mm.
- ▶ AD+B type is available, please inform us when making an order.

Pull Stud	Torque Wrench Adapter (Pull Stud)	Spanner (Pull Stud)	Preset Screw
			
P.X-66	P.X-73、77	P.X-78	P.X-111



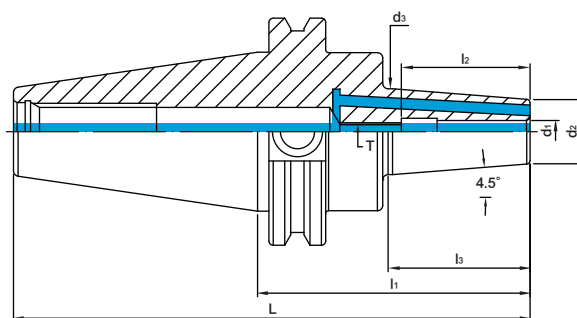
CAT / SFC SHRINK FIT CHUCK

with CP coolant hole

4.5°

Coolant
holeBALANCE
G2.5
25,000 RPM

CAT / SFC 熱膨脹刀桿 [出水孔型]



INCHES

MODEL NO.	TYPE	L	l ₁	l ₂	l ₃	d ₁	d ₂	d ₃	T	TORQUE N·m min	WEIGHT (KGS)
5031-801-A08-350	CAT40 x SFC1/8" - 3.5" - CP	6.187	3.5	0.79	1.75	0.125	0.63	0.87	M6	18	1.03
5031-801-A08-500	CAT40 x SFC1/8" - 5" - CP	7.687	5	0.79	3.56	0.125	0.63	0.87	-	18	1.11
5031-801-A12-350	CAT40 x SFC3/16" - 3.5" - CP	6.187	3.5	0.79	1.75	0.1875	0.63	0.87	M6	18	1.04
5031-801-A12-500	CAT40 x SFC3/16" - 5" - CP	7.687	5	0.79	3.42	0.1875	0.63	0.87	M6	18	1.10
5031-801-A16-300	CAT40 x SFC1/4" - 3" - CP	5.687	3	1.42	1.56	0.25	0.71	0.94	M5	18	1.09
5031-801-A16-350	CAT40 x SFC1/4" - 3.5" - CP	6.187	3.5	1.42	2	0.25	0.71	0.94	M5	18	1.12
5031-801-A16-500	CAT40 x SFC1/4" - 5" - CP	7.687	5	1.42	3.12	0.25	0.71	1.06	M5	18	1.29
5031-801-A16-600	CAT40 x SFC1/4" - 6" - CP	8.687	6	1.42	4.44	0.25	0.71	1.37	M5	18	1.49
5031-801-A20-350	CAT40 x SFC5/16" - 3.5" - CP	6.187	3.5	1.42	2.06	0.3125	0.79	1.06	M6	35	1.14
5031-801-A20-500	CAT40 x SFC5/16" - 5" - CP	7.687	5	1.42	3.12	0.3125	0.79	1.06	M6	35	1.30
5031-801-A24-300	CAT40 x SFC3/8" - 3" - CP	5.687	3	1.65	1.56	0.375	0.94	1.18	M8	65	1.15
5031-801-A24-375	CAT40 x SFC3/8" - 3.75" - CP	6.437	3.75	1.65	2.31	0.375	0.94	1.26	M8	65	1.24
5031-801-A24-500	CAT40 x SFC3/8" - 5" - CP	7.687	5	1.65	3.56	0.375	0.94	1.26	M8	65	1.46
5031-801-A24-600	CAT40 x SFC3/8" - 6" - CP	8.687	6	1.65	4.44	0.375	0.94	1.37	M8	65	1.66
5031-801-A32-300	CAT40 x SFC1/2" - 3" - CP	5.687	3	2.05	1.56	0.5	1.1	1.34	M10	110	1.19
5031-801-A32-375	CAT40 x SFC1/2" - 3.75" - CP	6.437	3.75	2.05	2.31	0.5	1.1	1.34	M10	110	1.30
5031-801-A32-500	CAT40 x SFC1/2" - 5" - CP	7.687	5	2.05	3.5	0.5	1.1	1.34	M10	110	1.52
5031-801-A32-600	CAT40 x SFC1/2" - 6" - CP	8.687	6	2.05	4.49	0.5	1.1	1.34	M10	110	1.68
5031-801-A40-375	CAT40 x SFC5/8" - 3.75" - CP	6.437	3.75	1.97	2.17	0.625	1.06	1.34	M12	200	1.27
5031-801-A48-300	CAT40 x SFC3/4" - 3" - CP	5.687	3	2.04	1.62	0.75	1.42	1.65	M16	320	1.24
5031-801-A48-400	CAT40 x SFC3/4" - 4" - CP	6.687	4	2.04	2.62	0.75	1.42	1.65	M16	320	1.49
5031-801-A48-500	CAT40 x SFC3/4" - 5" - CP	7.687	5	2.04	3.44	0.75	1.26	1.37	M16	320	1.48
5031-801-A48-600	CAT40 x SFC3/4" - 6" - CP	8.687	6	2.04	4.44	0.75	1.26	1.37	M16	320	1.64
5031-801-A64-300	CAT40 x SFC1" - 3" - CP	5.687	3	2.09	1.62	1	1.81	2.04	M20	500	1.34
5031-801-A64-400	CAT40 x SFC1" - 4" - CP	6.687	4	2.28	2.62	1	1.81	2.09	M20	500	1.73
5031-801-A64-600	CAT40 x SFC1" - 6" - CP	8.687	6	2.28	4.54	1	1.81	2.09	M20	500	2.51
5031-801-A72-400	CAT40 x SFC1-1/4" - 4" - CP	6.687	4	2.28	2.62	1.25	1.81	2.09	M20	550	1.60

Features:

- ▶ CP type has 3 coolant holes on the face, achieving efficient cooling.
- ▶ Coolant fluid from 3 coolant holes concentrates on tools, optimizing heat dissipation and chip evacuation.
- ▶ The design of 3 coolant holes allows internal hole to expand evenly, free from deformation and maintains good runout accuracy, expanding the holder use life.
- ▶ 4.5° design allows bigger diameter which has better rigidity. Suitable for general machining.

Product information:

- ▶ We accept special order of the design with 6 threaded holes for balance (w/o balancing screws).
- ▶ Higher balancing grade and revolution can be done upon request but additional charge is needed.
- ▶ For tool shank with h6 tolerance, such as Form HA to DIN6535 and Form A to DIN 1835-1, except that the internal hole of Shrink Fit Chuck is less than 6mm.
- ▶ AD+B type is available, please inform us when making an order.

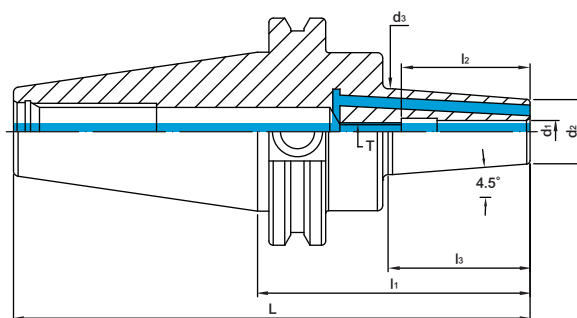
Pull Stud	Torque Wrench Adapter (Pull Stud)	Spanner (Pull Stud)	Preset Screw
P.X-66	P.X-73、77	P.X-78	P.X-111

CAT / SFC SHRINK FIT CHUCK

with CP coolant hole



CAT / SFC 熱膨脹刀桿 [出水孔型]



INCHES

MODEL NO.	TYPE	L	l ₁	l ₂	l ₃	d ₁	d ₂	d ₃	T	TORQUE N·m min	WEIGHT (KGS)
5032-801-A12-354	CAT50 x SFC3/16" - 3.54" - CP	7.54	3.54	0.79	1.98	0.1875	0.63	0.87	M6	18	3.04
5032-801-A16-354	CAT50 x SFC1/4" - 3.54" - CP	7.54	3.54	1.42	2.04	0.25	0.71	1.03	M5	18	3.13
5032-801-A20-354	CAT50 x SFC5/16" - 3.54" - CP	7.54	3.54	1.42	2.04	0.3125	0.79	1.06	M6	35	3.15
5032-801-A24-394	CAT50 x SFC3/8" - 3.94" - CP	7.94	3.94	1.65	2.36	0.375	0.94	1.26	M8	65	3.27
5032-801-A32-394	CAT50 x SFC1/2" - 3.94" - CP	7.94	3.94	1.85	2.36	0.5	1.1	1.34	M10	110	3.33
5032-801-A40-394	CAT50 x SFC5/8" - 3.94" - CP	7.94	3.94	1.97	2.36	0.625	1.06	1.34	M12	200	3.29
5032-801-A48-413	CAT50 x SFC3/4" - 4.13" - CP	8.13	4.13	2.04	2.56	0.75	1.42	1.65	M16	320	3.52
5032-801-A48-600	CAT50 x SFC3/4" - 6" - CP	10	6	2.04	4.42	0.75	1.42	1.65	M16	320	4.03
5032-801-A64-413	CAT50 x SFC1" - 4.13" - CP	8.13	4.13	2.28	2.71	1	1.81	2.09	M20	500	3.81
5032-801-A64-600	CAT50 x SFC1" - 6" - CP	10	6	2.28	4.12	1	1.81	2.09	M20	500	4.56
5032-801-A72-413	CAT50 x SFC1-1/4" - 4.13" - CP	8.13	4.13	2.28	2.63	1.25	1.81	2.09	M20	550	3.68
5032-801-A72-472	CAT50 x SFC1-1/4" - 4.72" - CP	8.72	4.72	2.28	3.22	1.25	1.81	2.09	M20	550	3.90
5032-801-A72-600	CAT50 x SFC1-1/4" - 6" - CP	10	6	2.28	4.12	1.25	1.81	2.09	M20	550	4.43

Features:

- ▶ CP type has 3 coolant holes on the face, achieving efficient cooling.
- ▶ Coolant fluid from 3 coolant holes concentrates on tools, optimizing heat dissipation and chip evacuation.
- ▶ The design of 3 coolant holes allows internal hole to expand evenly, free from deformation and maintains good runout accuracy, expanding the holder use life.
- ▶ 4.5° design allows bigger diameter which has better rigidity. Suitable for general machining.

Product information:

- ▶ We accept special order of the design with 6 threaded holes for balance (w/o balancing screws).
- ▶ Higher balancing grade and revolution can be done upon request but additional charge is needed.
- ▶ For tool shank with h6 tolerance, such as Form HA to DIN6535 and Form A to DIN 1835-1, except that the internal hole of Shrink Fit Chuck is less than 6mm.
- ▶ AD+B type is available, please inform us when making an order.

Pull Stud	Torque Wrench Adapter (Pull Stud)	Spanner (Pull Stud)	Preset Screw
P.X-66	P.X-73、77	P.X-78	P.X-111



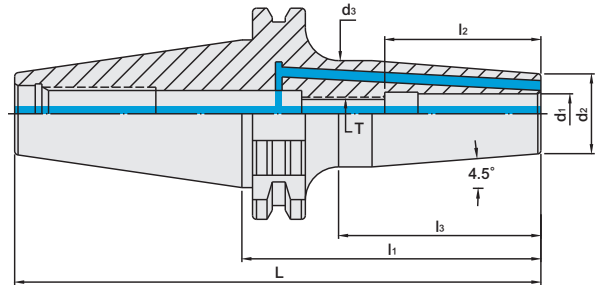
DAT / SFC SHRINK FIT CHUCK

with CP coolant hole

4.5°

Coolant
holeBALANCE
G2.5
25,000 RPM

DAT / SFC 熱膨脹刀桿 [出水孔型]



MODEL NO.	TYPE	L	l ₁	l ₂	l ₃	d ₁	d ₂	d ₃	T	TORQUE N·m min	WEIGHT (KGS)
5050-801-006-060	DAT30 x SFC6 - 60 - CP	107.8	60	36	38.1	6	23	29	M5	18	0.53
5050-801-006-080	DAT30 x SFC6 - 80 - CP	127.8	80	36	55	6	21	27	M5	18	0.58
5050-801-008-060	DAT30 x SFC8 - 60 - CP	107.8	60	36	38.1	8	23	29	M6	35	0.52
5050-801-008-080	DAT30 x SFC8 - 80 - CP	127.8	80	36	55	8	21	27	M6	35	0.58
5050-801-010-060	DAT30 x SFC10 - 60 - CP	107.8	60	42	38.1	10	27	29	M8	65	0.56
5050-801-010-080	DAT30 x SFC10 - 80 - CP	127.8	80	42	55	10	24	32	M8	65	0.64
5050-801-012-060	DAT30 x SFC12 - 60 - CP	107.8	60	47	38.1	12	27	33	M10	110	0.56
5050-801-012-080	DAT30 x SFC12 - 80 - CP	127.8	80	47	55	12	24	32	M10	110	0.62
5050-801-016-065	DAT30 x SFC16 - 65 - CP	112.8	65	50	44.9	16	30	37	M12	200	0.64
5050-801-016-080	DAT30 x SFC16 - 80 - CP	127.8	80	50	55	16	27	34	M12	200	0.64
5050-801-020-070	DAT30 x SFC20 - 70 - CP	117.8	70	52	50	20	35.5	40.5	M16	320	0.70

Features:

- ▶ CP type has 3 coolant holes on the face, achieving efficient cooling.
- ▶ Coolant fluid from 3 coolant holes concentrates on tools, optimizing heat dissipation and chip evacuation.
- ▶ The design of 3 coolant holes allows internal hole to expand evenly, free from deformation and maintains good runout accuracy, expanding the holder use life.
- ▶ 4.5° design allows bigger diameter which has better rigidity. Suitable for general machining.

Product information:

- ▶ We accept special order of the design with 6 threaded holes for balance (w/o balancing screws).
- ▶ Higher balancing grade and revolution can be done upon request but additional charge is needed.
- ▶ For tool shank with h6 tolerance, such as Form HA to DIN6535 and Form A to DIN 1835-1, except that the internal hole of Shrink Fit Chuck is less than 6mm.

Pull Stud	Torque Wrench Adapter (Pull Stud)	Spanner (Pull Stud)	Preset Screw
			
P.X-67	P.X-73、77	P.X-78	P.X-111



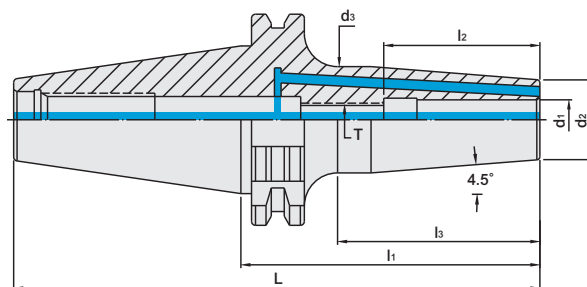
DAT / SFC SHRINK FIT CHUCK

with CP coolant hole

4.5°

Coolant
holeBALANCE
G2.5
25,000 RPM

DAT / SFC 熱膨脹刀桿 [出水孔型]



MODEL NO.	TYPE	L	l ₁	l ₂	l ₃	d ₁	d ₂	d ₃	T	TORQUE N·m min	WEIGHT (KGS)
5051-801-006-080	DAT40 x SFC6 - 80 - CP	148.4	80	36	55.9	6	21	27	M5	18	1.03
5051-801-006-130	DAT40 x SFC6 - 130 - CP	198.4	130	36	105.9	6	21	27	M5	18	1.25
5051-801-006-160	DAT40 x SFC6 - 160 - CP	228.4	160	36	105.9	6	21	27	M5	18	1.38
5051-801-006-200	DAT40 x SFC6 - 200 - CP	268.4	200	36	146	6	21	27	M5	18	1.56
5051-801-008-080	DAT40 x SFC8 - 80 - CP	148.4	80	36	55.9	8	21	27	M6	35	0.93
5051-801-008-130	DAT40 x SFC8 - 130 - CP	198.4	130	36	105.9	8	21	27	M6	35	1.24
5051-801-008-160	DAT40 x SFC8 - 160 - CP	228.4	160	36	105.9	8	21	27	M6	35	1.37
5051-801-008-200	DAT40 x SFC8 - 200 - CP	268.4	200	36	146	8	21	27	M6	35	1.55
5051-801-010-080	DAT40 x SFC10 - 80 - CP	148.4	80	42	55.9	10	24	32	M8	65	1.21
5051-801-010-130	DAT40 x SFC10 - 130 - CP	198.4	130	42	105.9	10	24	32	M8	65	1.52
5051-801-010-160	DAT40 x SFC10 - 160 - CP	228.4	160	42	105.9	10	24	32	M8	65	1.65
5051-801-010-200	DAT40 x SFC10 - 200 - CP	268.4	200	42	146	10	24	32	M8	65	1.83
5051-801-012-080	DAT40 x SFC12 - 80 - CP	148.4	80	47	55.9	12	24	32	M10	110	1.01
5051-801-012-130	DAT40 x SFC12 - 130 - CP	198.4	130	47	105.9	12	24	32	M10	110	1.50
5051-801-012-160	DAT40 x SFC12 - 160 - CP	228.4	160	47	105.9	12	24	32	M10	110	1.45
5051-801-012-200	DAT40 x SFC12 - 200 - CP	268.4	200	47	146	12	24	32	M10	110	1.81
5051-801-014-080	DAT40 x SFC14 - 80 - CP	148.4	80	47	55.9	14	27	34	M10	150	0.89
5051-801-014-130	DAT40 x SFC14 - 130 - CP	198.4	130	47	105.9	14	27	34	M10	150	1.38
5051-801-014-160	DAT40 x SFC14 - 160 - CP	228.4	160	47	105.9	14	27	34	M10	150	1.33
5051-801-014-200	DAT40 x SFC14 - 200 - CP	268.4	200	47	146	14	27	34	M10	150	1.93

Features:

- ▶ CP type has 3 coolant holes on the face, achieving efficient cooling.
- ▶ Coolant fluid from 3 coolant holes concentrates on tools, optimizing heat dissipation and chip evacuation.
- ▶ The design of 3 coolant holes allows internal hole to expand evenly, free from deformation and maintains good runout accuracy, expanding the holder use life.
- ▶ 4.5° design allows bigger diameter which has better rigidity. Suitable for general machining.

Product information:

- ▶ We accept special order of the design with 6 threaded holes for balance (w/o balancing screws).
- ▶ Higher balancing grade and revolution can be done upon request but additional charge is needed.
- ▶ For tool shank with h6 tolerance, such as Form HA to DIN6535 and Form A to DIN 1835-1, except that the internal hole of Shrink Fit Chuck is less than 6mm.
- ▶ AD+B type is available, please inform us when making an order.

Pull Stud	Torque Wrench Adapter (Pull Stud)	Spanner (Pull Stud)	Preset Screw
P.X-67	P.X-73、77	P.X-78	P.X-111



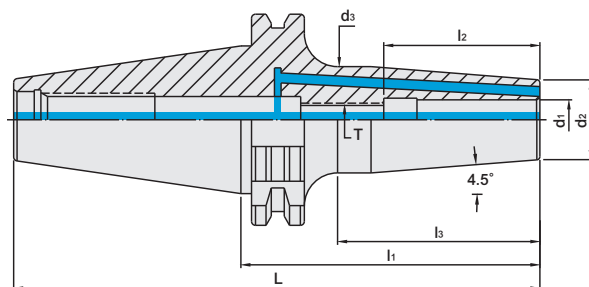
DAT / SFC SHRINK FIT CHUCK

with CP coolant hole

4.5°

Coolant
holeBALANCE
G2.5
25,000 RPM

DAT / SFC 熱膨脹刀桿 [出水孔型]



MODEL NO.	TYPE	L	l ₁	l ₂	l ₃	d ₁	d ₂	d ₃	T	TORQUE N·m min	WEIGHT (KGS)
5051-801-016-080	DAT40 x SFC16 - 80 - CP	148.4	80	50	55.9	16	27	34	M12	200	1.09
5051-801-016-130	DAT40 x SFC16 - 130 - CP	198.4	130	50	105.9	16	27	34	M12	200	1.44
5051-801-016-160	DAT40 x SFC16 - 160 - CP	228.4	160	50	105.9	16	27	34	M12	200	1.65
5051-801-016-200	DAT40 x SFC16 - 200 - CP	268.4	200	50	146	16	27	34	M12	200	1.93
5051-801-018-080	DAT40 x SFC18 - 80 - CP	148.4	80	50	57.9	18	33	42	M12	250	1.23
5051-801-018-130	DAT40 x SFC18 - 130 - CP	198.4	130	50	107.9	18	33	42	M12	250	1.76
5051-801-018-160	DAT40 x SFC18 - 160 - CP	228.4	160	50	107.9	18	33	42	M12	250	2.08
5051-801-018-200	DAT40 x SFC18 - 200 - CP	268.4	200	50	147.9	18	33	42	M12	250	2.51
5051-801-020-080	DAT40 x SFC20 - 80 - CP	148.4	80	52	57.9	20	33	42	M16	320	1.21
5051-801-020-130	DAT40 x SFC20 - 130 - CP	198.4	130	52	107.9	20	33	42	M16	320	1.73
5051-801-020-160	DAT40 x SFC20 - 160 - CP	228.4	160	52	107.9	20	33	42	M16	320	2.06
5051-801-020-200	DAT40 x SFC20 - 200 - CP	268.4	200	52	147.9	20	33	42	M16	320	2.48
5051-801-025-100	DAT40 x SFC25 - 100 - CP	168.4	100	58	80.9	25	44	53	M20	500	1.79
5051-801-025-130	DAT40 x SFC25 - 130 - CP	198.4	130	58	110.9	25	44	53	M20	500	2.31
5051-801-025-160	DAT40 x SFC25 - 160 - CP	228.4	160	58	140.9	25	44	53	M20	500	2.81
5051-801-025-200	DAT40 x SFC25 - 200 - CP	268.4	200	58	180.9	25	44	53	M20	500	3.49
5051-801-032-100	DAT40 x SFC32 - 100 - CP	168.4	100	58	80.9	32	44	53	M20	550	1.65

Features:

- ▶ CP type has 3 coolant holes on the face, achieving efficient cooling.
- ▶ Coolant fluid from 3 coolant holes concentrates on tools, optimizing heat dissipation and chip evacuation.
- ▶ The design of 3 coolant holes allows internal hole to expand evenly, free from deformation and maintains good runout accuracy, expanding the holder use life.
- ▶ 4.5° design allows bigger diameter which has better rigidity. Suitable for general machining.

Product information:

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- ▶ For tool shank with h6 tolerance, such as Form HA to DIN6535 and Form A to DIN 1835-1, except that the internal hole of Shrink Fit Chuck is less than 6mm.

Pull Stud	Torque Wrench Adapter (Pull Stud)	Spanner (Pull Stud)	Preset Screw
			
P.X-67	P.X-73、77	P.X-78	P.X-111



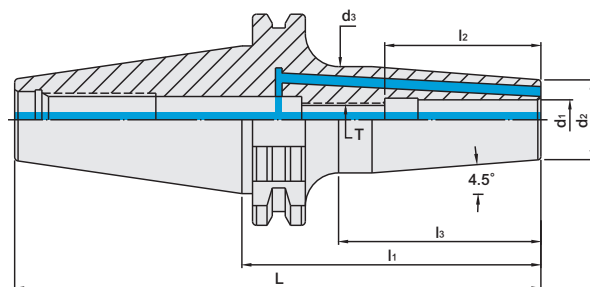
DAT / SFC SHRINK FIT CHUCK

with CP coolant hole

4.5°

Coolant
holeBALANCE
G2.5
25,000 RPM

DAT / SFC 熱膨脹刀桿 [出水孔型]



MODEL NO.	TYPE	L	l ₁	l ₂	l ₃	d ₁	d ₂	d ₃	T	TORQUE N·m min	WEIGHT (KGS)
5052-801-006-080	DAT50 x SFC6 - 80 - CP	181.75	80	36	55.9	6	21	27	M5	18	2.81
5052-801-006-130	DAT50 x SFC6 - 130 - CP	231.75	130	36	100.9	6	21	27	M5	18	3.03
5052-801-006-160	DAT50 x SFC6 - 160 - CP	261.75	160	36	100.9	6	21	27	M5	18	3.17
5052-801-006-200	DAT50 x SFC6 - 200 - CP	301.75	200	36	141	6	21	27	M5	18	3.34
5052-801-008-080	DAT50 x SFC8 - 80 - CP	181.75	80	36	55.9	8	21	27	M6	35	2.80
5052-801-008-130	DAT50 x SFC8 - 130 - CP	231.75	130	36	100.9	8	21	27	M6	35	3.02
5052-801-008-160	DAT50 x SFC8 - 160 - CP	261.75	160	36	100.9	8	21	27	M6	35	3.16
5052-801-008-200	DAT50 x SFC8 - 200 - CP	301.75	200	36	141	8	21	27	M6	35	3.33
5052-801-010-080	DAT50 x SFC10 - 80 - CP	181.75	80	42	55.9	10	24	32	M8	65	2.53
5052-801-010-130	DAT50 x SFC10 - 130 - CP	231.75	130	42	100.9	10	24	32	M8	65	2.75
5052-801-010-160	DAT50 x SFC10 - 160 - CP	261.75	160	42	100.9	10	24	32	M8	65	2.89
5052-801-010-200	DAT50 x SFC10 - 200 - CP	301.75	200	42	141	10	24	32	M8	65	3.60
5052-801-012-080	DAT50 x SFC12 - 80 - CP	181.75	80	47	55.9	12	24	32	M10	110	2.52
5052-801-012-130	DAT50 x SFC12 - 130 - CP	231.75	130	47	100.9	12	24	32	M10	110	2.74
5052-801-012-160	DAT50 x SFC12 - 160 - CP	261.75	160	47	100.9	12	24	32	M10	110	2.88
5052-801-012-200	DAT50 x SFC12 - 200 - CP	301.75	200	47	141	12	24	32	M10	110	3.59
5052-801-014-080	DAT50 x SFC14 - 80 - CP	181.75	80	47	55.9	14	27	34	M10	150	2.38
5052-801-014-130	DAT50 x SFC14 - 130 - CP	231.75	130	47	100.9	14	27	34	M10	150	2.60
5052-801-014-160	DAT50 x SFC14 - 160 - CP	261.75	160	47	100.9	14	27	34	M10	150	2.74
5052-801-014-200	DAT50 x SFC14 - 200 - CP	301.75	200	47	141	14	27	34	M10	150	3.73

Features:

- ▶ CP type has 3 coolant holes on the face, achieving efficient cooling.
- ▶ Coolant fluid from 3 coolant holes concentrates on tools, optimizing heat dissipation and chip evacuation.
- ▶ The design of 3 coolant holes allows internal hole to expand evenly, free from deformation and maintains good runout accuracy, expanding the holder use life.
- ▶ 4.5° design allows bigger diameter which has better rigidity. Suitable for general machining.

Product information:

- ▶ We accept special order of the design with 6 threaded holes for balance (w/o balancing screws).
- ▶ Higher balancing grade and revolution can be done upon request but additional charge is needed.
- ▶ For tool shank with h6 tolerance, such as Form HA to DIN6535 and Form A to DIN 1835-1, except that the internal hole of Shrink Fit Chuck is less than 6mm.
- ▶ AD+B type is available, please inform us when making an order.

Pull Stud	Torque Wrench Adapter (Pull Stud)	Spanner (Pull Stud)	Preset Screw
P.X-67	P.X-73、77	P.X-78	P.X-111

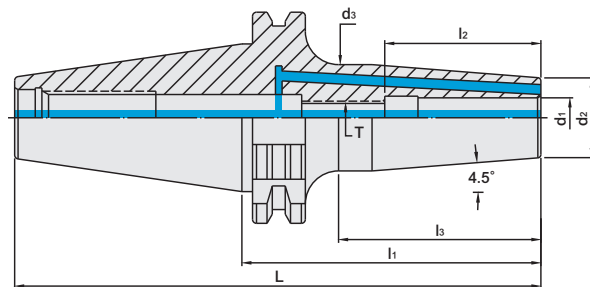


DAT / SFC SHRINK FIT CHUCK

with CP coolant hole



DAT / SFC 熱膨脹刀桿 [出水孔型]



MODEL NO.	TYPE	L	l ₁	l ₂	l ₃	d ₁	d ₂	d ₃	T	TORQUE N·m min	WEIGHT (KGS)
5052-801-016-080	DAT50 x SFC16 - 80 - CP	181.75	80	50	55.9	16	27	34	M12	200	2.87
5052-801-016-130	DAT50 x SFC16 - 130 - CP	231.75	130	50	100.9	16	27	34	M12	200	3.22
5052-801-016-160	DAT50 x SFC16 - 160 - CP	261.75	160	50	100.9	16	27	34	M12	200	3.43
5052-801-016-200	DAT50 x SFC16 - 200 - CP	301.75	200	50	141	16	27	34	M12	200	3.71
5052-801-018-080	DAT50 x SFC18 - 80 - CP	181.75	80	50	57.9	18	33	42	M12	250	2.99
5052-801-018-130	DAT50 x SFC18 - 130 - CP	231.75	130	50	100.9	18	33	42	M12	250	3.55
5052-801-018-160	DAT50 x SFC18 - 160 - CP	261.75	160	50	100.9	18	33	42	M12	250	3.87
5052-801-018-200	DAT50 x SFC18 - 200 - CP	301.75	200	50	141	18	33	42	M12	250	4.30
5052-801-020-080	DAT50 x SFC20 - 80 - CP	181.75	80	52	57.9	20	33	42	M16	320	2.91
5052-801-020-130	DAT50 x SFC20 - 130 - CP	231.75	130	52	100.9	20	33	42	M16	320	3.25
5052-801-020-160	DAT50 x SFC20 - 160 - CP	261.75	160	52	100.9	20	33	42	M16	320	3.57
5052-801-020-200	DAT50 x SFC20 - 200 - CP	301.75	200	52	141	20	33	42	M16	320	4.27
5052-801-025-100	DAT50 x SFC25 - 100 - CP	201.75	100	58	70.9	25	44	53	M20	500	3.59
5052-801-025-130	DAT50 x SFC25 - 130 - CP	231.75	130	58	100.9	25	44	53	M20	500	4.10
5052-801-025-160	DAT50 x SFC25 - 160 - CP	261.75	160	58	100.9	25	44	53	M20	500	4.61
5052-801-025-200	DAT50 x SFC25 - 200 - CP	301.75	200	58	141	25	44	53	M20	500	5.29
5052-801-032-100	DAT50 x SFC32 - 100 - CP	201.75	100	58	70.9	32	44	53	M20	550	3.45

Features:

- ▶ CP type has 3 coolant holes on the face, achieving efficient cooling.
- ▶ Coolant fluid from 3 coolant holes concentrates on tools, optimizing heat dissipation and chip evacuation.
- ▶ The design of 3 coolant holes allows internal hole to expand evenly, free from deformation and maintains good runout accuracy, expanding the holder use life.
- ▶ 4.5° design allows bigger diameter which has better rigidity. Suitable for general machining.

Product information:

- ▶ We accept special order of the design with 6 threaded holes for balance (w/o balancing screws).
- ▶ Higher balancing grade and revolution can be done upon request but additional charge is needed.
- ▶ For tool shank with h6 tolerance, such as Form HA to DIN6535 and Form A to DIN 1835-1, except that the internal hole of Shrink Fit Chuck is less than 6mm.

Pull Stud	Torque Wrench Adapter (Pull Stud)	Spanner (Pull Stud)	Preset Screw
P.X-67	P.X-73、77	P.X-78	P.X-111

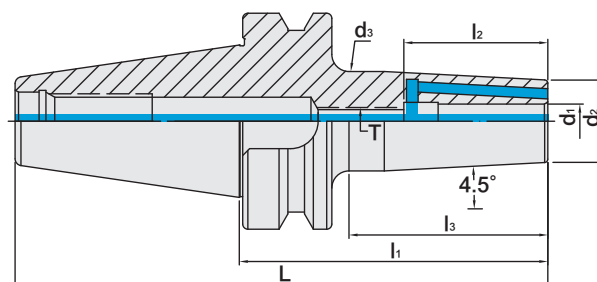


SBT / SFC SHRINK FIT CHUCK

with CP coolant hole



SBT / SFC 法蘭加厚型熱膨脹刀桿 [出水孔型]



MODEL NO.	TYPE	L	l ₁	l ₂	l ₃	d ₁	d ₂	d ₃	T	TORQUE N·m min	WEIGHT (KGS)
5025-801-006-060	SBT30 x SFC6 - 60 - CP	108.4	60	36	33	6	23	-	M5	18	0.70
5025-801-006-080	SBT30 x SFC6 - 80 - CP	128.4	80	36	53	6	21	27	M5	18	0.86
5025-801-008-060	SBT30 x SFC8 - 60 - CP	108.4	60	36	33	8	23	-	M6	35	0.52
5025-801-008-080	SBT30 x SFC8 - 80 - CP	128.4	80	36	53	8	21	27	M6	35	0.58
5025-801-010-060	SBT30 x SFC10 - 60 - CP	108.4	60	42	35	10	27	-	M8	65	0.52
5025-801-010-080	SBT30 x SFC10 - 80 - CP	128.4	80	42	53	10	24	32	M8	65	0.64
5025-801-012-060	SBT30 x SFC12 - 60 - CP	108.4	60	47	36	12	27	-	M10	110	0.52
5025-801-012-080	SBT30 x SFC12 - 80 - CP	128.4	80	47	53	12	24	32	M10	110	0.62
5025-801-014-065	SBT30 x SFC14 - 65 - CP	113.4	65	47	41	14	30	-	M10	150	0.57
5025-801-014-080	SBT30 x SFC14 - 80 - CP	128.4	80	47	55	14	27	34	M10	150	0.69
5025-801-016-065	SBT30 x SFC16 - 65 - CP	113.4	65	50	41	16	30	-	M12	200	0.55
5025-801-016-080	SBT30 x SFC16 - 80 - CP	128.4	80	50	55	16	27	34	M12	200	0.65
5025-801-018-070	SBT30 x SFC18 - 70 - CP	118.4	70	50	46	18	35.5	40.5	M12	250	0.72
5025-801-018-090	SBT30 x SFC18 - 90 - CP	138.4	90	50	66	18	33	40.5	M12	250	0.87
5025-801-020-070	SBT30 x SFC20 - 70 - CP	118.4	70	52	46	20	35.5	40.5	M16	320	0.70
5025-801-020-090	SBT30 x SFC20 - 90 - CP	138.4	90	52	66	20	33	40.5	M16	320	0.81

Features:

- ▶ CP type has 3 coolant holes on the face, achieving efficient cooling.
- ▶ Coolant fluid from 3 coolant holes concentrates on tools, optimizing heat dissipation and chip evacuation.
- ▶ The design of 3 coolant holes allows internal hole to expand evenly, free from deformation and maintains good runout accuracy, expanding the holder use life.
- ▶ 4.5° design allows bigger diameter which has better rigidity. Suitable for general machining.

Product information:

- ▶ We accept special order of the design with 6 threaded holes for balance (w/o balancing screws).
- ▶ Higher balancing grade and revolution can be done upon request but additional charge is needed.
- ▶ For tool shank with h6 tolerance, such as Form HA to DIN6535 and Form A to DIN 1835-1, except that the internal hole of Shrink Fit Chuck is less than 6mm.
- ▶ SBT30 tool holders are without coolant supply over collars.

Pull Stud	Torque Wrench Adapter (Pull Stud)	Spanner (Pull Stud)	Preset Screw
P.X-64~65	P.X-73、77	P.X-78	P.X-111

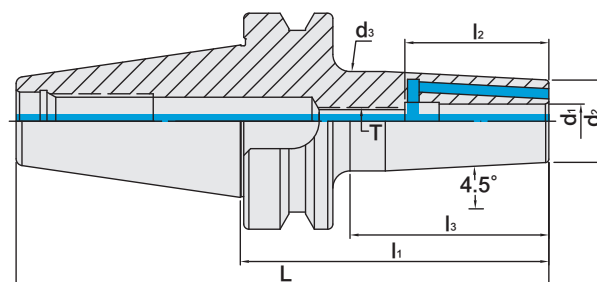


SBT / SFC SHRINK FIT CHUCK

with CP coolant hole



SBT / SFC 法蘭加厚型熱膨脹刀桿 [出水孔型]



MODEL NO.	TYPE	L	l ₁	l ₂	l ₃	d ₁	d ₂	d ₃	T	TORQUE N·m min	WEIGHT (KGS)
5026-801-006-090	SBT40 x SFC6 - 90 - CP	155.4	90	36	58	6	21	27	M5	18	1.23
5026-801-006-130	SBT40 x SFC6 - 130 - CP	195.4	130	36	93	6	21	27	M5	18	1.41
5026-801-006-160	SBT40 x SFC6 - 160 - CP	225.4	160	36	123	6	21	27	M5	18	1.54
5026-801-006-200	SBT40 x SFC6 - 200 - CP	265.4	200	36	163	6	21	27	M5	18	1.72
5026-801-008-090	SBT40 x SFC8 - 90 - CP	155.4	90	36	58	8	21	27	M6	35	1.23
5026-801-008-130	SBT40 x SFC8 - 130 - CP	195.4	130	36	93	8	21	27	M6	35	1.41
5026-801-008-160	SBT40 x SFC8 - 160 - CP	225.4	160	36	123	8	21	27	M6	35	1.54
5026-801-008-200	SBT40 x SFC8 - 200 - CP	265.4	200	36	163	8	21	27	M6	35	1.72
5026-801-010-090	SBT40 x SFC10 - 90 - CP	155.4	90	52	58	10	24	32	M8	65	1.48
5026-801-010-130	SBT40 x SFC10 - 130 - CP	195.4	130	52	93	10	24	32	M8	65	1.66
5026-801-010-160	SBT40 x SFC10 - 160 - CP	225.4	160	52	123	10	24	32	M8	65	1.79
5026-801-010-200	SBT40 x SFC10 - 200 - CP	265.4	200	52	163	10	24	32	M8	65	1.97
5026-801-012-090	SBT40 x SFC12 - 90 - CP	155.4	90	52	58	12	24	32	M10	110	1.68
5026-801-012-130	SBT40 x SFC12 - 130 - CP	195.4	130	52	93	12	24	32	M10	110	1.86
5026-801-012-160	SBT40 x SFC12 - 160 - CP	225.4	160	52	123	12	24	32	M10	110	1.99
5026-801-012-200	SBT40 x SFC12 - 200 - CP	265.4	200	52	163	12	24	32	M10	110	2.17
5026-801-014-090	SBT40 x SFC14 - 90 - CP	155.4	90	52	53	14	27	34	M10	150	1.76
5026-801-014-130	SBT40 x SFC14 - 130 - CP	195.4	130	52	93	14	27	34	M10	150	1.94
5026-801-014-160	SBT40 x SFC14 - 160 - CP	225.4	160	52	123	14	27	34	M10	150	2.07
5026-801-014-200	SBT40 x SFC14 - 200 - CP	265.4	200	52	163	14	27	34	M10	150	2.25

Features:

- ▶ CP type has 3 coolant holes on the face, achieving efficient cooling.
- ▶ Coolant fluid from 3 coolant holes concentrates on tools, optimizing heat dissipation and chip evacuation.
- ▶ The design of 3 coolant holes allows internal hole to expand evenly, free from deformation and maintains good runout accuracy, expanding the holder use life.
- ▶ 4.5° design allows bigger diameter which has better rigidity. Suitable for general machining.

Product information:

- ▶ We accept special order of the design with 6 threaded holes for balance (w/o balancing screws).
- ▶ Higher balancing grade and revolution can be done upon request but additional charge is needed.
- ▶ For tool shank with h6 tolerance, such as Form HA to DIN6535 and Form A to DIN 1835-1, except that the internal hole of Shrink Fit Chuck is less than 6mm.
- ▶ AD+B type is available, please inform us when making an order.

Pull Stud	Torque Wrench Adapter (Pull Stud)	Spanner (Pull Stud)	Preset Screw
P.X-64~65	P.X-73、77	P.X-78	P.X-111



SBT / SFC SHRINK FIT CHUCK

with CP coolant hole

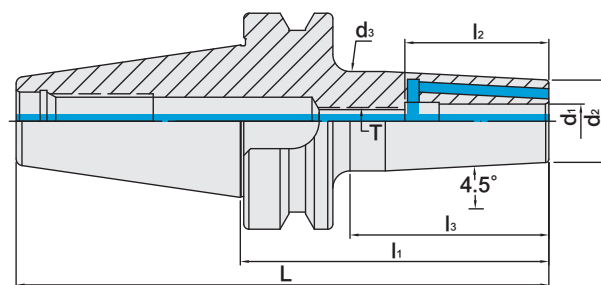
Dual
DRIVE+

4.5°

Coolant
hole

BALANCE
G2.5
25,000 RPM

SBT / SFC 法蘭加厚型熱膨脹刀桿 [出水孔型]



MODEL NO.	TYPE	L	l ₁	l ₂	l ₃	d ₁	d ₂	d ₃	T	TORQUE N·m min	WEIGHT (KGS)
5026-801-016-090	SBT40 x SFC16 - 90 - CP	155.4	90	52	58	16	27	34	M12	200	1.57
5026-801-016-130	SBT40 x SFC16 - 130 - CP	195.4	130	52	93	16	27	34	M12	200	1.75
5026-801-016-160	SBT40 x SFC16 - 160 - CP	225.4	160	52	123	16	27	34	M12	200	1.91
5026-801-016-200	SBT40 x SFC16 - 200 - CP	265.4	200	52	163	16	27	34	M12	200	2.06
5026-801-018-090	SBT40 x SFC18 - 90 - CP	155.4	90	52	58	18	33	42	M12	250	2.12
5026-801-018-130	SBT40 x SFC18 - 130 - CP	195.4	130	52	98	18	33	42	M12	250	2.31
5026-801-018-160	SBT40 x SFC18 - 160 - CP	225.4	160	52	128	18	33	42	M12	250	2.46
5026-801-018-200	SBT40 x SFC18 - 200 - CP	265.4	200	52	168	18	33	42	M12	250	2.61
5026-801-019-090	SBT40 x SFC19 - 90 - CP	155.4	90	60	61.5	19	33	42	M16	320	1.33
5026-801-020-090	SBT40 x SFC20 - 90 - CP	155.4	90	52	58	20	33	42	M16	320	2.09
5026-801-020-130	SBT40 x SFC20 - 130 - CP	195.4	130	52	98	20	33	42	M16	320	2.28
5026-801-020-160	SBT40 x SFC20 - 160 - CP	225.4	160	52	128	20	33	42	M16	320	2.43
5026-801-020-200	SBT40 x SFC20 - 200 - CP	265.4	200	52	168	20	33	42	M16	320	2.57
5026-801-024-090	SBT40 x SFC24 - 90 - CP	155.4	90	72	61.5	24	44	53	M20	500	1.57
5026-801-025-100	SBT40 x SFC25 - 100 - CP	165.4	100	58	71	25	44	53	M20	500	1.83
5026-801-025-130	SBT40 x SFC25 - 130 - CP	195.4	130	58	101	25	44	53	M20	500	2.34
5026-801-025-160	SBT40 x SFC25 - 160 - CP	225.4	160	58	131	25	44	53	M20	500	2.85
5026-801-025-200	SBT40 x SFC25 - 200 - CP	265.4	200	58	171	25	44	53	M20	500	3.53
5026-801-032-100	SBT40 x SFC32 - 100 - CP	165.4	100	58	71	32	44	53	M20	550	1.69
5026-801-032-130	SBT40 x SFC32 - 130 - CP	195.4	130	58	101	32	44	53	M20	550	2.21
5026-801-032-160	SBT40 x SFC32 - 160 - CP	225.4	160	58	131	32	44	53	M20	550	2.71
5026-801-032-200	SBT40 x SFC32 - 200 - CP	265.4	200	58	171	32	44	53	M20	550	3.39

Features:

- ▶ CP type has 3 coolant holes on the face, achieving efficient cooling.
- ▶ Coolant fluid from 3 coolant holes concentrates on tools, optimizing heat dissipation and chip evacuation.
- ▶ The design of 3 coolant holes allows internal hole to expand evenly, free from deformation and maintains good runout accuracy, expanding the holder use life.
- ▶ 4.5° design allows bigger diameter which has better rigidity. Suitable for general machining.

Product information:

- ▶ We accept special order of the design with 6 threaded holes for balance (w/o balancing screws).
- ▶ Higher balancing grade and revolution can be done upon request but additional charge is needed.
- ▶ For tool shank with h6 tolerance, such as Form HA to DIN6535 and Form A to DIN 1835-1, except that the internal hole of Shrink Fit Chuck is less than 6mm.
- ▶ AD+B type is available, please inform us when making an order.

Pull Stud	Torque Wrench Adapter (Pull Stud)	Spanner (Pull Stud)	Preset Screw
P.X-64~65	P.X-73、77	P.X-78	P.X-111

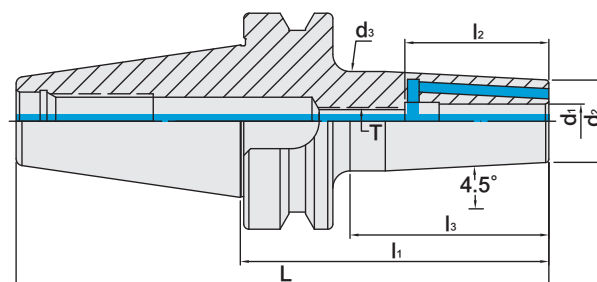


SBT / SFC SHRINK FIT CHUCK

with CP coolant hole



SBT / SFC 法蘭加厚型熱膨脹刀桿 [出水孔型]



MODEL NO.	TYPE	L	l ₁	l ₂	l ₃	d ₁	d ₂	d ₃	T	TORQUE N·m min	WEIGHT (KGS)
5027-801-006-100	SBT50 x SFC6 - 100 - CP	201.8	100	36	52	6	21	27	M5	18	3.75
5027-801-006-130	SBT50 x SFC6 - 130 - CP	231.8	130	36	82	6	21	27	M5	18	3.94
5027-801-006-160	SBT50 x SFC6 - 160 - CP	261.8	160	36	82	6	21	27	M5	18	4.07
5027-801-006-200	SBT50 x SFC6 - 200 - CP	301.8	200	36	122	6	21	27	M5	18	4.24
5027-801-008-100	SBT50 x SFC8 - 100 - CP	201.8	100	36	52	8	21	27	M6	35	3.74
5027-801-008-130	SBT50 x SFC8 - 130 - CP	231.8	130	36	82	8	21	27	M6	35	3.93
5027-801-008-160	SBT50 x SFC8 - 160 - CP	261.8	160	36	82	8	21	27	M6	35	4.06
5027-801-008-200	SBT50 x SFC8 - 200 - CP	301.8	200	36	122	8	21	27	M6	35	4.23
5027-801-010-100	SBT50 x SFC10 - 100 - CP	201.8	100	42	52	10	24	32	M8	65	3.82
5027-801-010-130	SBT50 x SFC10 - 130 - CP	231.8	130	42	82	10	24	32	M8	65	4.05
5027-801-010-160	SBT50 x SFC10 - 160 - CP	261.8	160	42	82	10	24	32	M8	65	4.18
5027-801-010-200	SBT50 x SFC10 - 200 - CP	301.8	200	42	122	10	24	32	M8	65	4.35
5027-801-012-100	SBT50 x SFC12 - 100 - CP	201.8	100	47	52	12	24	32	M10	110	3.81
5027-801-012-130	SBT50 x SFC12 - 130 - CP	231.8	130	47	82	12	24	32	M10	110	4.04
5027-801-012-160	SBT50 x SFC12 - 160 - CP	261.8	160	47	82	12	24	32	M10	110	4.17
5027-801-012-200	SBT50 x SFC12 - 200 - CP	301.8	200	47	122	12	24	32	M10	110	4.34
5027-801-014-100	SBT50 x SFC14 - 100 - CP	201.8	100	47	52	14	27	34	M10	150	3.88
5027-801-014-130	SBT50 x SFC14 - 130 - CP	231.8	130	47	82	14	27	34	M10	150	4.11
5027-801-014-160	SBT50 x SFC14 - 160 - CP	261.8	160	47	82	14	27	34	M10	150	4.24
5027-801-014-200	SBT50 x SFC14 - 200 - CP	301.8	200	47	122	14	27	34	M10	150	4.41

Features:

- ▶ CP type has 3 coolant holes on the face, achieving efficient cooling.
- ▶ Coolant fluid from 3 coolant holes concentrates on tools, optimizing heat dissipation and chip evacuation.
- ▶ The design of 3 coolant holes allows internal hole to expand evenly, free from deformation and maintains good runout accuracy, expanding the holder use life.
- ▶ 4.5° design allows bigger diameter which has better rigidity. Suitable for general machining.

Product information:

- ▶ We accept special order of the design with 6 threaded holes for balance (w/o balancing screws).
- ▶ Higher balancing grade and revolution can be done upon request but additional charge is needed.
- ▶ For tool shank with h6 tolerance, such as Form HA to DIN6535 and Form A to DIN 1835-1, except that the internal hole of Shrink Fit Chuck is less than 6mm.
- ▶ AD+B type is available, please inform us when making an order.

Pull Stud	Torque Wrench Adapter (Pull Stud)	Spanner (Pull Stud)	Preset Screw
P.X-64~65	P.X-73、77	P.X-78	P.X-111

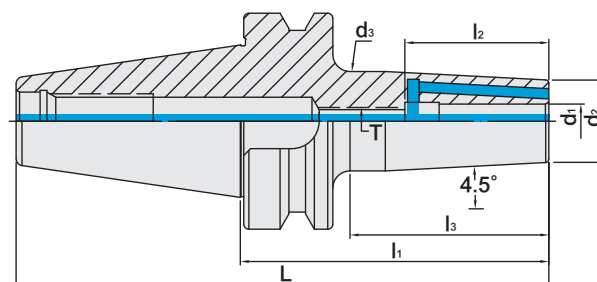


SBT / SFC SHRINK FIT CHUCK

with CP coolant hole



SBT / SFC 法蘭加厚型熱膨脹刀桿 [出水孔型]



MODEL NO.	TYPE	L	l ₁	l ₂	l ₃	d ₁	d ₂	d ₃	T	TORQUE N·m min	WEIGHT (KGS)
5027-801-016-100	SBT50 x SFC16 - 100 - CP	201.8	100	50	52	16	27	34	M12	200	3.90
5027-801-016-130	SBT50 x SFC16 - 130 - CP	231.8	130	50	82	16	27	34	M12	200	4.09
5027-801-016-160	SBT50 x SFC16 - 160 - CP	261.8	160	50	82	16	27	34	M12	200	4.26
5027-801-016-200	SBT50 x SFC16 - 200 - CP	301.8	200	50	122	16	27	34	M12	200	4.43
5027-801-018-100	SBT50 x SFC18 - 100 - CP	201.8	100	50	52	18	33	42	M12	250	4.15
5027-801-018-130	SBT50 x SFC18 - 130 - CP	231.8	130	50	82	18	33	42	M12	250	4.34
5027-801-018-160	SBT50 x SFC18 - 160 - CP	261.8	160	50	82	18	33	42	M12	250	4.51
5027-801-018-200	SBT50 x SFC18 - 200 - CP	301.8	200	50	122	18	33	42	M12	250	4.68
5027-801-019-100	SBT50 x SFC19 - 100 - CP	201.8	100	60	60	19	33	42	M16	320	3.98
5027-801-020-100	SBT50 x SFC20 - 100 - CP	201.8	100	52	52	20	33	42	M16	320	4.07
5027-801-020-130	SBT50 x SFC20 - 130 - CP	231.8	130	52	82	20	33	42	M16	320	4.32
5027-801-020-160	SBT50 x SFC20 - 160 - CP	261.8	160	52	82	20	33	42	M16	320	4.53
5027-801-020-200	SBT50 x SFC20 - 200 - CP	301.8	200	52	122	20	33	42	M16	320	4.70
5027-801-024-100	SBT50 x SFC24 - 100 - CP	201.8	100	72	60	24	44	53	M20	500	4.19
5027-801-025-100	SBT50 x SFC25 - 100 - CP	201.8	100	58	52	25	44	53	M20	500	4.53
5027-801-025-130	SBT50 x SFC25 - 130 - CP	231.8	130	58	82	25	44	53	M20	500	4.78
5027-801-025-160	SBT50 x SFC25 - 160 - CP	261.8	160	58	82	25	44	53	M20	500	4.99
5027-801-025-200	SBT50 x SFC25 - 200 - CP	301.8	200	58	122	25	44	53	M20	500	5.16
5027-801-032-100	SBT50 x SFC32 - 100 - CP	201.8	100	58	52	32	44	53	M20	550	4.38
5027-801-032-130	SBT50 x SFC32 - 130 - CP	231.8	130	58	82	32	44	53	M20	550	4.63
5027-801-032-160	SBT50 x SFC32 - 160 - CP	261.8	160	58	82	32	44	53	M20	550	4.84
5027-801-032-200	SBT50 x SFC32 - 200 - CP	301.8	200	58	122	32	44	53	M20	550	5.01

Features:

- ▶ CP type has 3 coolant holes on the face, achieving efficient cooling.
- ▶ Coolant fluid from 3 coolant holes concentrates on tools, optimizing heat dissipation and chip evacuation.
- ▶ The design of 3 coolant holes allows internal hole to expand evenly, free from deformation and maintains good runout accuracy, expanding the holder use life.
- ▶ 4.5° design allows bigger diameter which has better rigidity. Suitable for general machining.

Product information:

- ▶ We accept special order of the design with 6 threaded holes for balance (w/o balancing screws).
- ▶ Higher balancing grade and revolution can be done upon request but additional charge is needed.
- ▶ For tool shank with h6 tolerance, such as Form HA to DIN6535 and Form A to DIN 1835-1, except that the internal hole of Shrink Fit Chuck is less than 6mm.
- ▶ AD+B type is available, please inform us when making an order.

Pull Stud	Torque Wrench Adapter (Pull Stud)	Spanner (Pull Stud)	Preset Screw
P.X-64~65	P.X-73、77	P.X-78	P.X-111

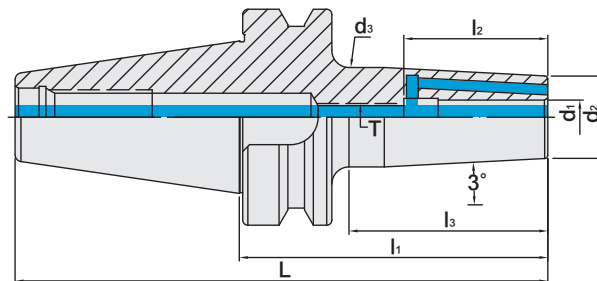


SBT / SFCT SHRINK FIT CHUCK

with CP coolant hole



SBT / SFCT 法蘭加厚型熱膨脹刀桿 [出水孔型]



MODEL NO.	TYPE	L	l ₁	l ₂	l ₃	d ₁	d ₂	d ₃	T	TORQUE N·m min	WEIGHT (KGS)
5025-794-006-080	SBT30 x SFCT6 - 80 - CP	128.4	80	36	53	6	21	26	M5	18	0.64
5025-794-008-080	SBT30 x SFCT8 - 80 - CP	128.4	80	36	53	8	21	26	M6	35	0.56
5025-794-010-080	SBT30 x SFCT10 - 80 - CP	128.4	80	42	53	10	24	29	M8	65	0.66
5025-794-012-080	SBT30 x SFCT12 - 80 - CP	128.4	80	47	53	12	24	29	M10	110	0.66
5025-794-014-080	SBT30 x SFCT14 - 80 - CP	128.4	80	47	46	14	24	32	M10	150	0.58
5025-794-016-080	SBT30 x SFCT16 - 80 - CP	128.4	80	50	55	16	27	32	M12	200	0.60
5025-794-018-090	SBT30 x SFCT18 - 90 - CP	138.4	90	50	66	18	33	38	M12	250	0.80
5025-794-020-090	SBT30 x SFCT20 - 90 - CP	138.4	90	52	66	20	33	38	M16	320	0.76
5025-794-025-100	SBT30 x SFCT25 - 100 - CP	148.4	100	58	78	25	44	49	M20	500	1.17
5026-794-006-090	SBT40 x SFCT6 - 90 - CP	155.4	90	36	58	6	21	26	M5	18	1.15
5026-794-008-090	SBT40 x SFCT8 - 90 - CP	155.4	90	36	58	8	21	26	M6	35	1.15
5026-794-010-090	SBT40 x SFCT10 - 90 - CP	155.4	90	42	58	10	24	29	M8	65	1.20
5026-794-012-090	SBT40 x SFCT12 - 90 - CP	155.4	90	52	58	12	24	29	M10	110	1.19
5026-794-014-090	SBT40 x SFCT14 - 90 - CP	155.4	90	52	58	14	27	32	M10	150	1.24
5026-794-016-090	SBT40 x SFCT16 - 90 - CP	155.4	90	52	58	16	27	32	M12	200	1.21
5026-794-018-100	SBT40 x SFCT18 - 100 - CP	165.4	100	52	68	18	33	38	M12	250	1.42
5026-794-020-100	SBT40 x SFCT20 - 100 - CP	165.4	100	52	68	20	33	38	M16	320	1.38
5026-794-025-100	SBT40 x SFCT25 - 100 - CP	165.4	100	58	71	25	44	49	M20	500	1.66
5026-794-032-100	SBT40 x SFCT32 - 100 - CP	165.4	100	58	71	32	44	49	M20	550	1.52

Features:

- ▶ CP type has 3 coolant holes on the face, achieving efficient cooling.
- ▶ Coolant fluid from 3 coolant holes concentrates on tools, optimizing heat dissipation and chip evacuation.
- ▶ The design of 3 coolant holes allows internal hole to expand evenly, free from deformation and maintains good runout accuracy, expanding the holder use life.
- ▶ 3° design makes it more slim, decreasing interference. Suitable for mold making industry.

Product information:

- ▶ We accept special order of the design with 6 threaded holes for balance (w/o balancing screws).
- ▶ Higher balancing grade and revolution can be done upon request but additional charge is needed.
- ▶ For tool shank with h6 tolerance, such as Form HA to DIN6535 and Form A to DIN 1835-1, except that the internal hole of Shrink Fit Chuck is less than 6mm.
- ▶ 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)	Preset Screw
P.X-64~65	P.X-73、77	P.X-78	P.X-111



SBT / SFCT SHRINK FIT CHUCK

with CP coolant hole

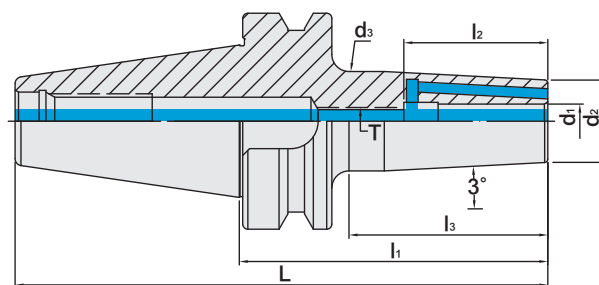
Dual
DRIVE+

3°

Coolant
hole

BALANCE
G2.5
25,000 RPM

SBT / SFCT 法蘭加厚型熱膨脹刀桿 [出水孔型]



MODEL NO.	TYPE	L	l ₁	l ₂	l ₃	d ₁	d ₂	d ₃	T	TORQUE N·m min	WEIGHT (KGS)
5027-794-006-100	SBT50 x SFCT6 - 100 - CP	201.8	100	36	57	6	21	26	M5	18	3.92
5027-794-008-100	SBT50 x SFCT8 - 100 - CP	201.8	100	36	52	8	21	26	M6	35	3.92
5027-794-010-100	SBT50 x SFCT10 - 100 - CP	201.8	100	42	58	10	24	29	M8	65	3.90
5027-794-012-100	SBT50 x SFCT12 - 100 - CP	201.8	100	47	52	12	24	29	M10	110	3.94
5027-794-014-100	SBT50 x SFCT14 - 100 - CP	201.8	100	47	57	14	27	32	M10	150	4.02
5027-794-016-100	SBT50 x SFCT16 - 100 - CP	201.8	100	50	52	16	27	32	M12	200	3.96
5027-794-018-110	SBT50 x SFCT18 - 110 - CP	211.8	110	50	62	18	33	38	M12	250	4.18
5027-794-020-110	SBT50 x SFCT20 - 110 - CP	211.8	110	52	67	20	33	38	M16	320	4.14
5027-794-025-110	SBT50 x SFCT25 - 110 - CP	211.8	110	58	67	25	44	49	M20	500	4.46
5027-794-032-110	SBT50 x SFCT32 - 110 - CP	211.8	110	58	67	32	44	49	M20	550	4.30

Features:

- ▶ CP type has 3 coolant holes on the face, achieving efficient cooling.
- ▶ Coolant fluid from 3 coolant holes concentrates on tools, optimizing heat dissipation and chip evacuation.
- ▶ The design of 3 coolant holes allows internal hole to expand evenly, free from deformation and maintains good runout accuracy, expanding the holder use life.
- ▶ 3° design makes it more slim, decreasing interference. Suitable for mold making industry.

Product information:

- ▶ We accept special order of the design with 6 threaded holes for balance (w/o balancing screws).
- ▶ Higher balancing grade and revolution can be done upon request but additional charge is needed.
- ▶ For tool shank with h6 tolerance, such as Form HA to DIN6535 and Form A to DIN 1835-1, except that the internal hole of Shrink Fit Chuck is less than 6mm.
- ▶ AD+B type is available, please inform us when making an order.

Pull Stud	Torque Wrench Adapter (Pull Stud)	Spanner (Pull Stud)	Preset Screw
P.X-64~65	P.X-73、77	P.X-78	P.X-111



SCAT / SFC SHRINK FIT CHUCK

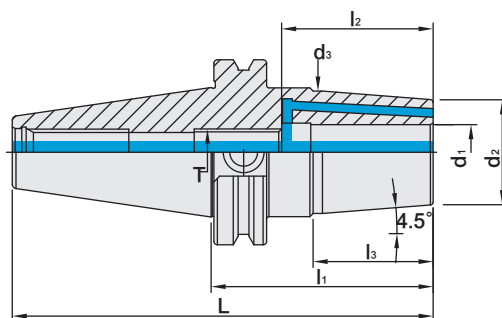
with CP coolant hole

Dual
DRIVE+

4.5°

Coolant
holeBALANCE
G2.5
25,000 RPM

SCAT / SFC 法蘭加厚型熱膨脹刀桿 [出水孔型]



MODEL NO.	TYPE	L	l ₁	l ₂	l ₃	d ₁	d ₂	d ₃	T	TORQUE N·m min	WEIGHT (KGS)
5043-801-006-100	SCAT40 x SFC6 - 100 - CP	168.249	100	36	54	6	21	27	M5	18	1.23
5043-801-006-150	SCAT40 x SFC6 - 150 - CP	218.249	150	36	104	6	21	27	M5	18	1.39
5043-801-008-100	SCAT40 x SFC8 - 100 - CP	168.249	100	36	54	8	21	27	M6	35	1.22
5043-801-008-150	SCAT40 x SFC8 - 150 - CP	218.249	150	36	104	8	21	27	M6	35	1.39
5043-801-010-100	SCAT40 x SFC10 - 100 - CP	168.249	100	42	56	10	24	32	M8	65	1.28
5043-801-010-150	SCAT40 x SFC10 - 150 - CP	218.249	150	42	106	10	24	32	M8	65	1.53
5043-801-012-100	SCAT40 x SFC12 - 100 - CP	168.249	100	47	59	12	24	33.3	M10	110	1.27
5043-801-012-150	SCAT40 x SFC12 - 150 - CP	218.249	150	47	104	12	24	32	M10	110	1.52
5043-801-014-100	SCAT40 x SFC14 - 100 - CP	168.249	100	47	59	14	27	34	M10	150	1.27
5043-801-014-150	SCAT40 x SFC14 - 150 - CP	218.249	150	47	112	14	27	34	M10	150	1.62
5043-801-016-100	SCAT40 x SFC16 - 100 - CP	168.249	100	50	59	16	27	34	M12	200	1.25
5043-801-016-160	SCAT40 x SFC16 - 160 - CP	228.249	160	50	119	16	27	34	M12	200	1.64
5043-801-018-100	SCAT40 x SFC18 - 100 - CP	168.249	100	50	63	18	33	42	M12	250	1.43
5043-801-020-080	SCAT40 x SFC20 - 80 - CP	148.249	80	52	42	20	33	39	M16	320	1.20

Features:

- ▶ CP type has 3 coolant holes on the face, achieving efficient cooling.
- ▶ Coolant fluid from 3 coolant holes concentrates on tools, optimizing heat dissipation and chip evacuation.
- ▶ The design of 3 coolant holes allows internal hole to expand evenly, free from deformation and maintains good runout accuracy, expanding the holder use life.
- ▶ 4.5° design allows bigger diameter which has better rigidity. Suitable for general machining.

Product information:

- ▶ We accept special order of the design with 6 threaded holes for balance (w/o balancing screws).
- ▶ Higher balancing grade and revolution can be done upon request but additional charge is needed.
- ▶ For tool shank with h6 tolerance, such as Form HA to DIN6535 and Form A to DIN 1835-1, except that the internal hole of Shrink Fit Chuck is less than 6mm.
- ▶ AD+B type is available, please inform us when making an order.

Pull Stud	Torque Wrench Adapter (Pull Stud)	Spanner (Pull Stud)	Preset Screw
P.X-64~65	P.X-73、77	P.X-78	P.X-111



SCAT / SFC SHRINK FIT CHUCK

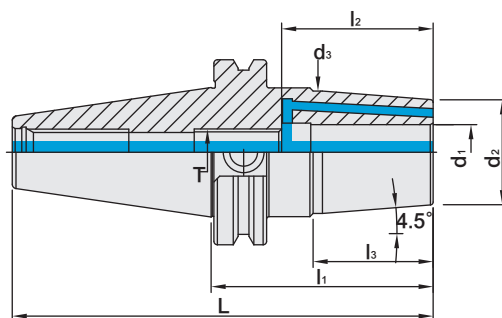
with CP coolant hole

Dual
DRIVE+

4.5°

Coolant
holeBALANCE
G2.5
25,000 RPM

SCAT / SFC 法蘭加厚型熱膨脹刀桿 [出水孔型]



MODEL NO.	TYPE	L	l ₁	l ₂	l ₃	d ₁	d ₂	d ₃	T	TORQUE N·m min	WEIGHT (KGS)
5044-801-006-100	SCAT50 x SFC6 - 100 - CP	201.6	100	36	62	6	21	27	M5	18	3.21
5044-801-006-150	SCAT50 x SFC6 - 150 - CP	251.6	150	36	101	6	21	27	M5	18	3.42
5044-801-008-100	SCAT50 x SFC8 - 100 - CP	201.6	100	36	60	8	21	27	M6	35	3.21
5044-801-008-150	SCAT50 x SFC8 - 150 - CP	251.6	150	36	101	8	21	27	M6	35	3.41
5044-801-010-100	SCAT50 x SFC10 - 100 - CP	201.6	100	42	60	10	24	32	M8	65	3.27
5044-801-010-150	SCAT50 x SFC10 - 150 - CP	251.6	150	42	91	10	24	32	M8	65	3.74
5044-801-012-100	SCAT50 x SFC12 - 100 - CP	201.6	100	47	62	12	24	32	M10	110	3.26
5044-801-012-150	SCAT50 x SFC12 - 150 - CP	251.6	150	47	91	12	24	32	M10	110	3.71
5044-801-014-100	SCAT50 x SFC14 - 100 - CP	201.6	100	47	62	14	27	34	M10	150	3.31
5044-801-014-150	SCAT50 x SFC14 - 150 - CP	251.6	150	47	92	14	27	34	M10	150	3.79
5044-801-016-100	SCAT50 x SFC16 - 100 - CP	201.6	100	50	62	16	27	34	M12	200	3.29
5044-801-016-160	SCAT50 x SFC16 - 160 - CP	261.6	160	50	102	16	27	34	M12	200	3.83
5044-801-018-100	SCAT50 x SFC18 - 100 - CP	201.6	100	50	62	18	33	42	M12	250	3.45
5044-801-020-080	SCAT50 x SFC20 - 80 - CP	181.6	80	52	35	20	33	42	M16	320	3.26
5044-801-025-100	SCAT50 x SFC25 - 100 - CP	201.6	100	58	62	25	44	53	M20	500	3.69
5044-801-032-100	SCAT50 x SFC32 - 100 - CP	201.6	100	58	62	32	44	53	M20	550	3.55

Features:

- ▶ CP type has 3 coolant holes on the face, achieving efficient cooling.
- ▶ Coolant fluid from 3 coolant holes concentrates on tools, optimizing heat dissipation and chip evacuation.
- ▶ The design of 3 coolant holes allows internal hole to expand evenly, free from deformation and maintains good runout accuracy, expanding the holder use life.
- ▶ 4.5° design allows bigger diameter which has better rigidity. Suitable for general machining.

Product information:

- ▶ We accept special order of the design with 6 threaded holes for balance (w/o balancing screws).
- ▶ Higher balancing grade and revolution can be done upon request but additional charge is needed.
- ▶ For tool shank with h6 tolerance, such as Form HA to DIN6535 and Form A to DIN 1835-1, except that the internal hole of Shrink Fit Chuck is less than 6mm.
- ▶ AD+B type is available, please inform us when making an order.

Pull Stud	Torque Wrench Adapter (Pull Stud)	Spanner (Pull Stud)	Preset Screw
P.X-64~65	P.X-73、77	P.X-78	P.X-111



SCAT / SFC SHRINK FIT CHUCK

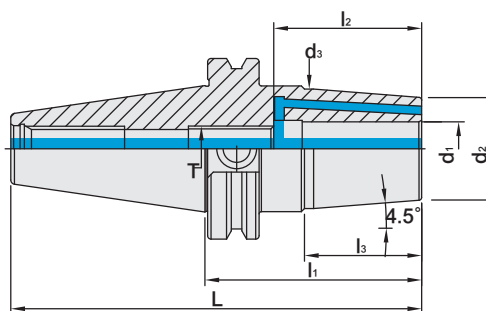
with CP coolant hole

Dual
DRIVE+

4.5°

Coolant
holeBALANCE
G2.5
25,000 RPM

SCAT / SFC 法蘭加厚型熱膨脹刀桿 [出水孔型]



INCHES

MODEL NO.	TYPE	L	l ₁	l ₂	l ₃	d ₁	d ₂	d ₃	T	TORQUE N·m min	WEIGHT (KGS)
5043-801-A08-350	SCAT40 x SFC 1/8" - 3.5" - CP	6.187	3.5	0.79	1.75	0.125	0.63	0.87	M6	18	1.03
5043-801-A08-500	SCAT40 x SFC 1/8" - 5" - CP	7.687	5	0.79	3.56	0.125	0.63	0.87	-	18	1.11
5043-801-A12-350	SCAT40 x SFC 3/16" - 3.5" - CP	6.187	3.5	0.79	1.75	0.1875	0.63	0.87	M6	18	1.04
5043-801-A12-500	SCAT40 x SFC 3/16" - 5" - CP	7.687	5	0.79	3.42	0.1875	0.63	0.87	M6	18	1.10
5043-801-A16-300	SCAT40 x SFC 1/4" - 3" - CP	5.687	3	1.42	1.56	0.25	0.71	0.94	M5	18	1.09
5043-801-A16-350	SCAT40 x SFC 1/4" - 3.5" - CP	6.187	3.5	1.42	2	0.25	0.71	0.94	M5	18	1.12
5043-801-A16-500	SCAT40 x SFC 1/4" - 5" - CP	7.687	5	1.42	3.12	0.25	0.71	1.06	M5	18	1.29
5043-801-A16-600	SCAT40 x SFC 1/4" - 6" - CP	8.687	6	1.42	4.44	0.25	0.71	1.37	M5	18	1.49
5043-801-A20-350	SCAT40 x SFC 5/16" - 3.5" - CP	6.187	3.5	1.42	2.06	0.3125	0.79	1.06	M6	35	1.14
5043-801-A20-500	SCAT40 x SFC 5/16" - 5" - CP	7.687	5	1.42	3.12	0.3125	0.79	1.06	M6	35	1.30
5043-801-A24-300	SCAT40 x SFC 3/8" - 3" - CP	5.687	3	1.65	1.56	0.375	0.94	1.18	M8	65	1.15
5043-801-A24-375	SCAT40 x SFC 3/8" - 3.75" - CP	6.437	3.75	1.65	2.31	0.375	0.94	1.26	M8	65	1.24
5043-801-A24-500	SCAT40 x SFC 3/8" - 5" - CP	7.687	5	1.65	3.5	0.375	0.94	1.37	M8	65	1.46
5043-801-A24-600	SCAT40 x SFC 3/8" - 6" - CP	8.687	6	1.65	4.44	0.375	0.94	1.37	M8	65	1.66
5043-801-A32-300	SCAT40 x SFC 1/2" - 3" - CP	5.687	3	2.05	1.56	0.5	1.1	1.34	M10	110	1.19
5043-801-A32-375	SCAT40 x SFC 1/2" - 3.75" - CP	6.437	3.75	2.05	2.31	0.5	1.1	1.34	M10	110	1.30
5043-801-A32-500	SCAT40 x SFC 1/2" - 5" - CP	7.687	5	2.05	3.5	0.5	1.1	1.34	M10	110	1.52
5043-801-A32-600	SCAT40 x SFC 1/2" - 6" - CP	8.687	6	2.05	4.49	0.5	1.1	1.34	M10	110	1.68
5043-801-A40-375	SCAT40 x SFC 5/8" - 3.75" - CP	6.437	3.75	1.97	2.17	0.625	1.06	1.34	M12	200	1.27
5043-801-A48-300	SCAT40 x SFC 3/4" - 3" - CP	5.687	3	2.04	1.62	0.75	1.42	1.65	M16	320	1.24
5043-801-A48-400	SCAT40 x SFC 3/4" - 4" - CP	6.687	4	2.04	2.62	0.75	1.42	1.65	M16	320	1.49
5043-801-A48-500	SCAT40 x SFC 3/4" - 5" - CP	7.687	5	2.04	3.44	0.75	1.26	1.37	M16	320	1.48
5043-801-A48-600	SCAT40 x SFC 3/4" - 6" - CP	8.687	6	2.04	4.44	0.75	1.26	1.37	M16	320	1.64
5043-801-A64-300	SCAT40 x SFC 1" - 3" - CP	5.687	3	2.09	1.62	1	1.81	2.04	M20	500	1.34
5043-801-A64-400	SCAT40 x SFC 1" - 4" - CP	6.687	4	2.28	2.62	1	1.81	2.09	M20	500	1.73
5043-801-A64-600	SCAT40 x SFC 1" - 6" - CP	8.687	6	2.28	4.54	1	1.81	2.09	M20	500	2.51
5043-801-A72-400	SCAT40 x SFC 1-1/4" - 4" - CP	6.687	4	2.28	2.62	1.25	1.81	2.09	M20	550	1.60

Features:

- ▶ CP type has 3 coolant holes on the face, achieving efficient cooling.
- ▶ Coolant fluid from 3 coolant holes concentrates on tools, optimizing heat dissipation and chip evacuation.
- ▶ The design of 3 coolant holes allows internal hole to expand evenly, free from deformation and maintains good runout accuracy, expanding the holder use life.
- ▶ 4.5° design allows bigger diameter which has better rigidity. Suitable for general machining.

Product information:

- ▶ We accept special order of the design with 6 threaded holes for balance (w/o balancing screws).
- ▶ Higher balancing grade and revolution can be done upon request but additional charge is needed.
- ▶ For tool shank with h6 tolerance, such as Form HA to DIN6535 and Form A to DIN 1835-1, except that the internal hole of Shrink Fit Chuck is less than 6mm.
- ▶ AD+B type is available, please inform us when making an order.

Pull Stud	Torque Wrench Adapter (Pull Stud)	Spanner (Pull Stud)	Preset Screw
P.X-64~65	P.X-73、77	P.X-78	P.X-111



SCAT / SFC SHRINK FIT CHUCK

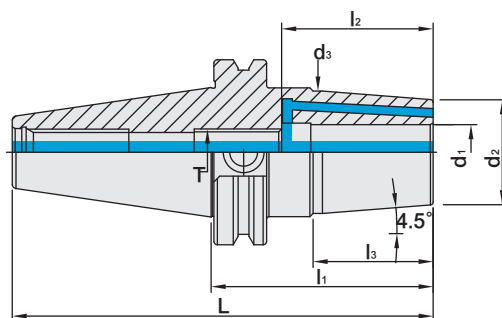
with CP coolant hole

Dual
DRIVE+

4.5°

Coolant
holeBALANCE
G2.5
25,000 RPM

SCAT / SFC 法蘭加厚型熱膨脹刀桿 [出水孔型]



INCHES

MODEL NO.	TYPE	L	l ₁	l ₂	l ₃	d ₁	d ₂	d ₃	T	TORQUE N·m min	WEIGHT (KGS)
5044-801-A12-354	SCAT50 x SFC3/16" - 3.54" - CP	7.54	3.54	0.79	1.98	0.1875	0.63	0.87	M6	18	3.04
5044-801-A16-354	SCAT50 x SFC1/4" - 3.54" - CP	7.54	3.54	1.42	2.04	0.25	0.71	1.03	M5	18	3.13
5044-801-A20-354	SCAT50 x SFC5/16" - 3.54" - CP	7.54	3.54	1.42	2.04	0.3125	0.79	1.06	M6	35	3.15
5044-801-A24-394	SCAT50 x SFC3/8" - 3.94" - CP	7.94	3.94	1.65	2.36	0.375	0.94	1.26	M8	65	3.27
5044-801-A32-394	SCAT50 x SFC1/2" - 3.94" - CP	7.94	3.94	1.85	2.36	0.5	1.1	1.34	M10	110	3.33
5044-801-A40-394	SCAT50 x SFC5/8" - 3.94" - CP	7.94	3.94	1.97	2.36	0.625	1.06	1.34	M12	200	3.29
5044-801-A48-413	SCAT50 x SFC3/4" - 4.13" - CP	8.13	4.13	2.04	2.56	0.75	1.42	1.65	M16	320	3.52
5044-801-A48-600	SCAT50 x SFC3/4" - 6" - CP	10	6	2.04	4.42	0.75	1.42	1.65	M16	320	4.03
5044-801-A64-413	SCAT50 x SFC1" - 4.13" - CP	8.13	4.13	2.28	2.71	1	1.81	2.09	M20	550	3.81
5044-801-A64-600	SCAT50 x SFC1" - 6" - CP	10	6	2.28	4.12	1	1.81	2.09	M20	500	4.56
5044-801-A72-413	SCAT50 x SFC1-1/4" - 4.13" - CP	8.13	4.13	2.28	2.63	1.25	1.81	2.09	M20	550	3.68
5044-801-A72-472	SCAT50 x SFC1-1/4" - 4.72" - CP	8.72	4.72	2.28	3.22	1.25	1.81	2.09	M20	550	3.90
5044-801-A72-600	SCAT50 x SFC1-1/4" - 6" - CP	10	6	2.28	4.12	1.25	1.81	2.09	M20	550	4.43

Features:

- ▶ CP type has 3 coolant holes on the face, achieving efficient cooling.
- ▶ Coolant fluid from 3 coolant holes concentrates on tools, optimizing heat dissipation and chip evacuation.
- ▶ The design of 3 coolant holes allows internal hole to expand evenly, free from deformation and maintains good runout accuracy, expanding the holder use life.
- ▶ 4.5° design allows bigger diameter which has better rigidity. Suitable for general machining.

Product information:

- ▶ We accept special order of the design with 6 threaded holes for balance (w/o balancing screws).
- ▶ Higher balancing grade and revolution can be done upon request but additional charge is needed.
- ▶ For tool shank with h6 tolerance, such as Form HA to DIN6535 and Form A to DIN 1835-1, except that the internal hole of Shrink Fit Chuck is less than 6mm.
- ▶ AD+B type is available, please inform us when making an order.

Pull Stud	Torque Wrench Adapter (Pull Stud)	Spanner (Pull Stud)	Preset Screw
P.X-64~65	P.X-73、77	P.X-78	P.X-111

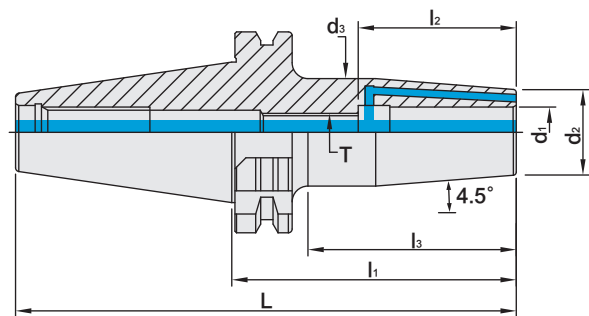
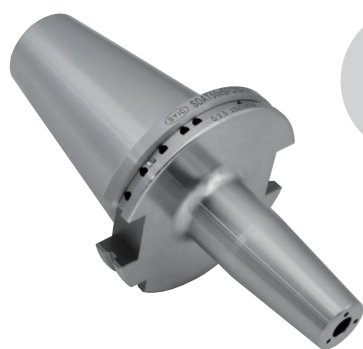


SDAT / SFC SHRINK FIT CHUCK

with CP coolant hole



SDAT / SFC 法蘭加厚型熱膨脹刀桿 [出水孔型]



MODEL NO.	TYPE	L	l ₁	l ₂	l ₃	d ₁	d ₂	d ₃	T	TORQUE N·m min	WEIGHT (KGS)
5066-801-006-080	SDAT40 x SFC6 - 80 - CP	148.4	80	36	55.9	6	21	27	M5	18	1.03
5066-801-006-130	SDAT40 x SFC6 - 130 - CP	198.4	130	36	105.9	6	21	27	M5	18	1.25
5066-801-006-160	SDAT40 x SFC6 - 160 - CP	228.4	160	36	105.9	6	21	27	M5	18	1.38
5066-801-006-200	SDAT40 x SFC6 - 200 - CP	268.4	200	36	146	6	21	27	M5	18	1.56
5066-801-008-080	SDAT40 x SFC8 - 80 - CP	148.4	80	36	55.9	8	21	27	M6	35	0.93
5066-801-008-130	SDAT40 x SFC8 - 130 - CP	198.4	130	36	105.9	8	21	27	M6	35	1.24
5066-801-008-160	SDAT40 x SFC8 - 160 - CP	228.4	160	36	105.9	8	21	27	M6	35	1.37
5066-801-008-200	SDAT40 x SFC8 - 200 - CP	268.4	200	36	146	8	21	27	M6	35	1.55
5066-801-010-080	SDAT40 x SFC10 - 80 - CP	148.4	80	42	55.9	10	24	32	M8	65	1.21
5066-801-010-130	SDAT40 x SFC10 - 130 - CP	198.4	130	42	105.9	10	24	32	M8	65	1.52
5066-801-010-160	SDAT40 x SFC10 - 160 - CP	228.4	160	42	105.9	10	24	32	M8	65	1.65
5066-801-010-200	SDAT40 x SFC10 - 200 - CP	268.4	200	42	146	10	24	32	M8	65	1.83
5066-801-012-080	SDAT40 x SFC12 - 80 - CP	148.4	80	47	55.9	12	24	32	M10	110	1.01
5066-801-012-130	SDAT40 x SFC12 - 130 - CP	198.4	130	47	105.9	12	24	32	M10	110	1.50
5066-801-012-160	SDAT40 x SFC12 - 160 - CP	228.4	160	47	105.9	12	24	32	M10	110	1.45
5066-801-012-200	SDAT40 x SFC12 - 200 - CP	268.4	200	47	146	12	24	32	M10	110	1.81
5066-801-014-080	SDAT40 x SFC14 - 80 - CP	148.4	80	47	55.9	14	27	34	M10	150	0.89
5066-801-014-130	SDAT40 x SFC14 - 130 - CP	198.4	130	47	105.9	14	27	34	M10	150	1.38
5066-801-014-160	SDAT40 x SFC14 - 160 - CP	228.4	160	47	105.9	14	27	34	M10	150	1.33
5066-801-014-200	SDAT40 x SFC14 - 200 - CP	268.4	200	47	146	14	27	34	M10	150	1.93

Features:

- ▶ CP type has 3 coolant holes on the face, achieving efficient cooling.
- ▶ Coolant fluid from 3 coolant holes concentrates on tools, optimizing heat dissipation and chip evacuation.
- ▶ The design of 3 coolant holes allows internal hole to expand evenly, free from deformation and maintains good runout accuracy, expanding the holder use life.
- ▶ 4.5° design allows bigger diameter which has better rigidity. Suitable for general machining.

Product information:

- ▶ We accept special order of the design with 6 threaded holes for balance (w/o balancing screws).
- ▶ Higher balancing grade and revolution can be done upon request but additional charge is needed.
- ▶ For tool shank with h6 tolerance, such as Form HA to DIN6535 and Form A to DIN 1835-1, except that the internal hole of Shrink Fit Chuck is less than 6mm.
- ▶ AD+B type is available, please inform us when making an order.

Pull Stud	Torque Wrench Adapter (Pull Stud)	Spanner (Pull Stud)	Preset Screw
P.X-64~65	P.X-73、77	P.X-78	P.X-111



SDAT / SFC SHRINK FIT CHUCK

with CP coolant hole

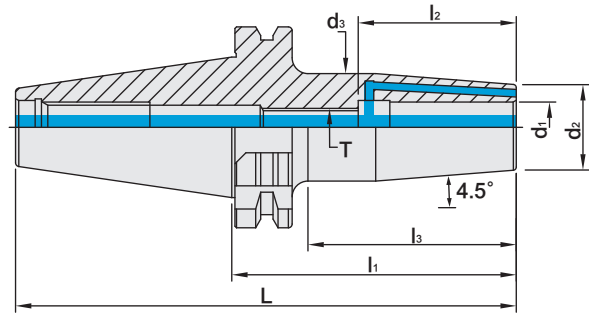
Dual
DRIVE+

4.5°

Coolant
hole

BALANCE
G2.5
25,000 RPM

SDAT / SFC 法蘭加厚型熱膨脹刀桿 [出水孔型]



MODEL NO.	TYPE	L	l ₁	l ₂	l ₃	d ₁	d ₂	d ₃	T	TORQUE N·m min	WEIGHT (KGS)
5066-801-016-080	SDAT40 x SFC16 - 80 - CP	148.4	80	50	55.9	16	27	34	M12	200	1.09
5066-801-016-130	SDAT40 x SFC16 - 130 - CP	198.4	130	50	105.9	16	27	34	M12	200	1.44
5066-801-016-160	SDAT40 x SFC16 - 160 - CP	228.4	160	50	105.9	16	27	34	M12	200	1.65
5066-801-016-200	SDAT40 x SFC16 - 200 - CP	268.4	200	50	146	16	27	34	M12	200	1.93
5066-801-018-080	SDAT40 x SFC18 - 80 - CP	148.4	80	50	57.9	18	33	42	M12	250	1.23
5066-801-018-130	SDAT40 x SFC18 - 130 - CP	198.4	130	50	107.9	18	33	42	M12	250	1.76
5066-801-018-160	SDAT40 x SFC18 - 160 - CP	228.4	160	50	107.9	18	33	42	M12	250	2.08
5066-801-018-200	SDAT40 x SFC18 - 200 - CP	268.4	200	50	147.9	18	33	42	M12	250	2.51
5066-801-020-080	SDAT40 x SFC20 - 80 - CP	148.4	80	52	57.9	20	33	42	M16	320	1.21
5066-801-020-130	SDAT40 x SFC20 - 130 - CP	198.4	130	52	107.9	20	33	42	M16	320	1.73
5066-801-020-160	SDAT40 x SFC20 - 160 - CP	228.4	160	52	107.9	20	33	42	M16	320	2.06
5066-801-020-200	SDAT40 x SFC20 - 200 - CP	268.4	200	52	147.9	20	33	42	M16	320	2.48
5066-801-025-100	SDAT40 x SFC25 - 100 - CP	168.4	100	58	80.9	25	44	53	M20	500	1.79
5066-801-025-130	SDAT40 x SFC25 - 130 - CP	198.4	130	58	110.9	25	44	53	M20	500	2.31
5066-801-025-160	SDAT40 x SFC25 - 160 - CP	228.4	160	58	140.9	25	44	53	M20	500	2.81
5066-801-025-200	SDAT40 x SFC25 - 200 - CP	268.4	200	58	180.9	25	44	53	M20	500	3.49
5066-801-032-100	SDAT40 x SFC32 - 100 - CP	168.4	100	58	80.9	32	44	53	M20	550	1.65

Features:

- ▶ CP type has 3 coolant holes on the face, achieving efficient cooling.
- ▶ Coolant fluid from 3 coolant holes concentrates on tools, optimizing heat dissipation and chip evacuation.
- ▶ The design of 3 coolant holes allows internal hole to expand evenly, free from deformation and maintains good runout accuracy, expanding the holder use life.
- ▶ 4.5° design allows bigger diameter which has better rigidity. Suitable for general machining.

Product information:

- ▶ We accept special order of the design with 6 threaded holes for balance (w/o balancing screws).
- ▶ Higher balancing grade and revolution can be done upon request but additional charge is needed.
- ▶ For tool shank with h6 tolerance, such as Form HA to DIN6535 and Form A to DIN 1835-1, except that the internal hole of Shrink Fit Chuck is less than 6mm.
- ▶ AD+B type is available, please inform us when making an order.

Pull Stud	Torque Wrench Adapter (Pull Stud)	Spanner (Pull Stud)	Preset Screw
P.X-64~65	P.X-73、77	P.X-78	P.X-111



SDAT / SFC SHRINK FIT CHUCK

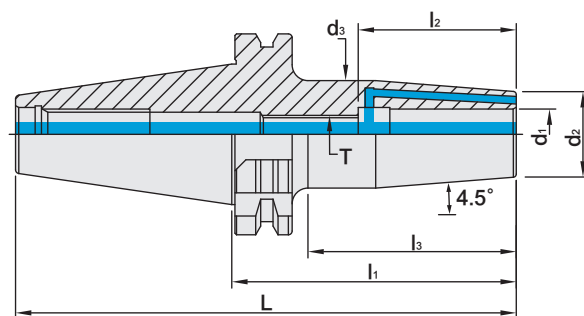
with CP coolant hole

Dual
DRIVE+

4.5°

Coolant
holeBALANCE
G2.5
25,000 RPM

SDAT / SFC 法蘭加厚型熱膨脹刀桿 [出水孔型]



MODEL NO.	TYPE	L	l ₁	l ₂	l ₃	d ₁	d ₂	d ₃	T	TORQUE N·m min	WEIGHT (KGS)
5067-801-006-080	SDAT50 x SFC6 - 80 - CP	181.75	80	36	55.9	6	21	27	M5	18	2.81
5067-801-006-130	SDAT50 x SFC6 - 130 - CP	231.75	130	36	100.9	6	21	27	M5	18	3.03
5067-801-006-160	SDAT50 x SFC6 - 160 - CP	261.75	160	36	100.9	6	21	27	M5	18	3.17
5067-801-006-200	SDAT50 x SFC6 - 200 - CP	301.75	200	36	141	6	21	27	M5	18	3.34
5067-801-008-080	SDAT50 x SFC8 - 80 - CP	181.75	80	36	55.9	8	21	27	M6	35	2.80
5067-801-008-130	SDAT50 x SFC8 - 130 - CP	231.75	130	36	100.9	8	21	27	M6	35	3.02
5067-801-008-160	SDAT50 x SFC8 - 160 - CP	261.75	160	36	100.9	8	21	27	M6	35	3.16
5067-801-008-200	SDAT50 x SFC8 - 200 - CP	301.75	200	36	141	8	21	27	M6	35	3.33
5067-801-010-080	SDAT50 x SFC10 - 80 - CP	181.75	80	42	55.9	10	24	32	M8	65	2.53
5067-801-010-130	SDAT50 x SFC10 - 130 - CP	231.75	130	42	100.9	10	24	32	M8	65	2.75
5067-801-010-160	SDAT50 x SFC10 - 160 - CP	261.75	160	42	100.9	10	24	32	M8	65	2.89
5067-801-010-200	SDAT50 x SFC10 - 200 - CP	301.75	200	42	141	10	24	32	M8	65	3.60
5067-801-012-080	SDAT50 x SFC12 - 80 - CP	181.75	80	47	55.9	12	24	32	M10	110	2.52
5067-801-012-130	SDAT50 x SFC12 - 130 - CP	231.75	130	47	100.9	12	24	32	M10	110	2.74
5067-801-012-160	SDAT50 x SFC12 - 160 - CP	261.75	160	47	100.9	12	24	32	M10	110	2.88
5067-801-012-200	SDAT50 x SFC12 - 200 - CP	301.75	200	47	141	12	24	32	M10	110	3.59
5067-801-014-080	SDAT50 x SFC14 - 80 - CP	181.75	80	47	55.9	14	27	34	M10	150	2.38
5067-801-014-130	SDAT50 x SFC14 - 130 - CP	231.75	130	47	100.9	14	27	34	M10	150	2.60
5067-801-014-160	SDAT50 x SFC14 - 160 - CP	261.75	160	47	100.9	14	27	34	M10	150	2.74
5067-801-014-200	SDAT50 x SFC14 - 200 - CP	301.75	200	47	141	14	27	34	M10	150	3.73

Features:

- ▶ CP type has 3 coolant holes on the face, achieving efficient cooling.
- ▶ Coolant fluid from 3 coolant holes concentrates on tools, optimizing heat dissipation and chip evacuation.
- ▶ The design of 3 coolant holes allows internal hole to expand evenly, free from deformation and maintains good runout accuracy, expanding the holder use life.
- ▶ 4.5° design allows bigger diameter which has better rigidity. Suitable for general machining.

Product information:

- ▶ We accept special order of the design with 6 threaded holes for balance (w/o balancing screws).
- ▶ Higher balancing grade and revolution can be done upon request but additional charge is needed.
- ▶ For tool shank with h6 tolerance, such as Form HA to DIN6535 and Form A to DIN 1835-1, except that the internal hole of Shrink Fit Chuck is less than 6mm.
- ▶ AD+B type is available, please inform us when making an order.

Pull Stud	Torque Wrench Adapter (Pull Stud)	Spanner (Pull Stud)	Preset Screw
P.X-64~65	P.X-73、77	P.X-78	P.X-111



SDAT / SFC SHRINK FIT CHUCK

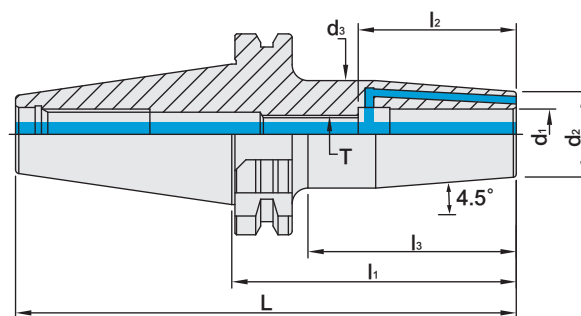
with CP coolant hole

Dual
DRIVE+

4.5°

Coolant
holeBALANCE
G2.5
25,000 RPM

SDAT / SFC 法蘭加厚型熱膨脹刀桿 [出水孔型]



MODEL NO.	TYPE	L	l ₁	l ₂	l ₃	d ₁	d ₂	d ₃	T	TORQUE N·m min	WEIGHT (KGS)
5067-801-016-080	SDAT50 x SFC16 - 80 - CP	181.75	80	50	55.9	16	27	34	M12	200	2.87
5067-801-016-130	SDAT50 x SFC16 - 130 - CP	231.75	130	50	100.9	16	27	34	M12	200	3.22
5067-801-016-160	SDAT50 x SFC16 - 160 - CP	261.75	160	50	100.9	16	27	34	M12	200	3.43
5067-801-016-200	SDAT50 x SFC16 - 200 - CP	301.75	200	50	141	16	27	34	M12	200	3.71
5067-801-018-080	SDAT50 x SFC18 - 80 - CP	181.75	80	50	57.9	18	33	42	M12	250	2.99
5067-801-018-130	SDAT50 x SFC18 - 130 - CP	231.75	130	50	100.9	18	33	42	M12	250	3.55
5067-801-018-160	SDAT50 x SFC18 - 160 - CP	261.75	160	50	100.9	18	33	42	M12	250	3.87
5067-801-018-200	SDAT50 x SFC18 - 200 - CP	301.75	200	50	141	18	33	42	M12	250	4.30
5067-801-020-080	SDAT50 x SFC20 - 80 - CP	181.75	80	52	57.9	20	33	42	M16	320	2.91
5067-801-020-130	SDAT50 x SFC20 - 130 - CP	231.75	130	52	100.9	20	33	42	M16	320	3.25
5067-801-020-160	SDAT50 x SFC20 - 160 - CP	261.75	160	52	100.9	20	33	42	M16	320	3.57
5067-801-020-200	SDAT50 x SFC20 - 200 - CP	301.75	200	52	141	20	33	42	M16	320	4.27
5067-801-025-100	SDAT50 x SFC25 - 100 - CP	201.75	100	58	70.9	25	44	53	M20	500	3.59
5067-801-025-130	SDAT50 x SFC25 - 130 - CP	231.75	130	58	100.9	25	44	53	M20	500	4.10
5067-801-025-160	SDAT50 x SFC25 - 160 - CP	261.75	160	58	100.9	25	44	53	M20	500	4.61
5067-801-025-200	SDAT50 x SFC25 - 200 - CP	301.75	200	58	141	25	44	53	M20	500	5.29
5067-801-032-100	SDAT50 x SFC32 - 100 - CP	201.75	100	58	70.9	32	44	53	M20	550	3.45

Features:

- ▶ CP type has 3 coolant holes on the face, achieving efficient cooling.
- ▶ Coolant fluid from 3 coolant holes concentrates on tools, optimizing heat dissipation and chip evacuation.
- ▶ The design of 3 coolant holes allows internal hole to expand evenly, free from deformation and maintains good runout accuracy, expanding the holder use life.
- ▶ 4.5° design allows bigger diameter which has better rigidity. Suitable for general machining.

Product information:

- ▶ We accept special order of the design with 6 threaded holes for balance (w/o balancing screws).
- ▶ Higher balancing grade and revolution can be done upon request but additional charge is needed.
- ▶ For tool shank with h6 tolerance, such as Form HA to DIN6535 and Form A to DIN 1835-1, except that the internal hole of Shrink Fit Chuck is less than 6mm.
- ▶ AD+B type is available, please inform us when making an order.

Pull Stud	Torque Wrench Adapter (Pull Stud)	Spanner (Pull Stud)	Preset Screw
P.X-64~65	P.X-73、77	P.X-78	P.X-111



HSK / SFC SHRINK FIT CHUCK

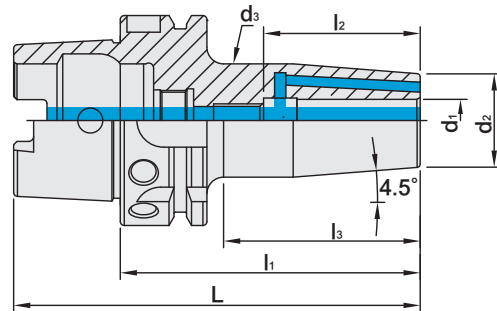
with CP coolant hole

4.5°

Coolant
hole

BALANCE
G2.5
25,000 RPM

HSK / SFC 熱膨脹刀桿 [出水孔型]



MODEL NO.	TYPE	L	l ₁	l ₂	l ₃	d ₁	d ₂	d ₃	T	TORQUE N·m min	WEIGHT (KGS)
5071-801-006-080	HSK40A x SFC6 - 80 - CP	100	80	36	57	6	21	27	M5	18	0.41
5071-801-008-080	HSK40A x SFC8 - 80 - CP	100	80	36	57	8	21	27	M6	35	0.40
5071-801-010-085	HSK40A x SFC10 - 85 - CP	105	85	42	64	10	24	32	M8	65	0.49
5071-801-012-090	HSK40A x SFC12 - 90 - CP	110	90	47	69	12	24	32	M10	110	0.50
5071-801-014-090	HSK40A x SFC14 - 90 - CP	110	90	47	69	14	27	34	M10	150	0.56
5071-801-016-090	HSK40A x SFC16 - 90 - CP	110	90	47	69	16	27	34	M12	200	0.53
5072-801-006-080	HSK50A x SFC6 - 80 - CP	105	80	36	49	6	21	27	M5	18	0.58
5072-801-008-080	HSK50A x SFC8 - 80 - CP	105	80	36	49	8	21	27	M6	35	0.57
5072-801-010-085	HSK50A x SFC10 - 85 - CP	110	85	42	54	10	24	32	M8	65	0.65
5072-801-012-090	HSK50A x SFC12 - 90 - CP	115	90	47	59	12	24	32	M10	110	0.66
5072-801-014-090	HSK50A x SFC14 - 90 - CP	115	90	47	59	14	24	32	M10	150	0.65
5072-801-016-095	HSK50A x SFC16 - 95 - CP	120	95	50	64	16	27	34	M12	200	0.72
5072-801-018-095	HSK50A x SFC18 - 95 - CP	120	95	52	67	18	33	42	M12	250	0.89
5072-801-020-100	HSK50A x SFC20 - 100 - CP	125	100	52	73	20	33	42	M16	320	0.90
5072-801-025-115	HSK50A x SFC25 - 115 - CP	140	115	47	88	25	44	53	M20	550	1.39

Features:

- ▶ CP type has 3 coolant holes on the face, achieving efficient cooling.
- ▶ Coolant fluid from 3 coolant holes concentrates on tools, optimizing heat dissipation and chip evacuation.
- ▶ The design of 3 coolant holes allows internal hole to expand evenly, free from deformation and maintains good runout accuracy, expanding the holder use life.
- ▶ 4.5° design allows bigger diameter which has better rigidity. Suitable for general machining.

Product information:

- ▶ We accept special order of the design with 6 threaded holes for balance (w/o balancing screws).
- ▶ Higher balancing grade and revolution can be done upon request but additional charge is needed.
- ▶ For tool shank with h6 tolerance, such as Form HA to DIN6535 and Form A to DIN 1835-1, except that the internal hole of Shrink Fit Chuck is less than 6mm.

Coolant Supply Unit	Key For Coolant Supply Unit	Preset Screw
		
P.X-70	P.X-70	P.X-111



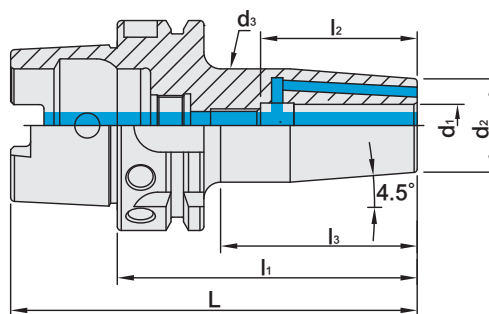
HSK / SFC SHRINK FIT CHUCK

with CP coolant hole

4.5°

Coolant
holeBALANCE
G2.5
25,000 RPM

HSK / SFC 熱膨脹刀桿 [出水孔型]



MODEL NO.	TYPE	L	l ₁	l ₂	l ₃	d ₁	d ₂	d ₃	T	TORQUE N·m min	WEIGHT (KGS)
5073-801-006-080	HSK63A x SFC6 - 80 - CP	112	80	36	51	6	21	27	M5	18	0.83
5073-801-008-080	HSK63A x SFC8 - 80 - CP	112	80	36	51	8	21	27	M6	35	0.83
5073-801-010-085	HSK63A x SFC10 - 85 - CP	117	85	42	54	10	24	32	M8	65	0.91
5073-801-012-090	HSK63A x SFC12 - 90 - CP	122	90	47	59	12	24	32	M10	110	0.92
5073-801-014-090	HSK63A x SFC14 - 90 - CP	122	90	47	59	14	27	34	M10	150	0.97
5073-801-016-095	HSK63A x SFC16 - 95 - CP	127	95	50	64	16	27	34	M12	200	0.98
5073-801-018-095	HSK63A x SFC18 - 95 - CP	127	95	50	64	18	33	42	M12	250	1.15
5073-801-019-100	HSK63A x SFC19 - 100 - CP	132	100	60	69	19	33	42	-	320	1.14
5073-801-020-100	HSK63A x SFC20 - 100 - CP	132	100	52	69	20	33	42	M16	320	1.17
5073-801-024-115	HSK63A x SFC24 - 115 - CP	147	115	72	88.6	24	44	53	-	500	1.69
5073-801-025-115	HSK63A x SFC25 - 115 - CP	147	115	58	88	25	44	53	M20	500	1.74
5073-801-032-120	HSK63A x SFC32 - 120 - CP	152	120	58	93	32	44	53	M20	550	1.67
5075-801-006-085	HSK100A x SFC6 - 85 - CP	135	85	36	46	6	21	27	M5	18	2.21
5075-801-008-085	HSK100A x SFC8 - 85 - CP	135	85	36	46	8	21	27	M6	35	2.20
5075-801-010-090	HSK100A x SFC10 - 90 - CP	140	90	42	51	10	24	32	M8	65	2.28
5075-801-012-095	HSK100A x SFC12 - 95 - CP	145	95	47	56	12	24	32	M10	110	2.30
5075-801-014-095	HSK100A x SFC14 - 95 - CP	145	95	47	56	14	27	34	M10	150	2.35
5075-801-016-100	HSK100A x SFC16 - 100 - CP	150	100	50	61	16	27	34	M12	200	2.36
5075-801-018-100	HSK100A x SFC18 - 100 - CP	150	100	50	66	18	33	42	M12	250	2.52
5075-801-019-105	HSK100A x SFC19 - 105 - CP	155	105	60	71	19	33	42	-	320	2.48
5075-801-020-105	HSK100A x SFC20 - 105 - CP	155	105	52	71	20	33	42	M16	320	2.53
5075-801-024-115	HSK100A x SFC24 - 115 - CP	165	115	72	81	24	44	53	-	500	2.97
5075-801-025-115	HSK100A x SFC25 - 115 - CP	165	115	58	81	25	44	53	M20	500	3.04
5075-801-032-120	HSK100A x SFC32 - 120 - CP	170	120	58	86	32	44	53	M20	550	2.98

Features:

- ▶ CP type has 3 coolant holes on the face, achieving efficient cooling.
- ▶ Coolant fluid from 3 coolant holes concentrates on tools, optimizing heat dissipation and chip evacuation.
- ▶ The design of 3 coolant holes allows internal hole to expand evenly, free from deformation and maintains good runout accuracy, expanding the holder use life.
- ▶ 4.5° design allows bigger diameter which has better rigidity. Suitable for general machining.

Product information:

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- ▶ For tool shank with h6 tolerance, such as Form HA to DIN6535 and Form A to DIN 1835-1, except that the internal hole of Shrink Fit Chuck is less than 6mm.

Coolant Supply Unit Key For Coolant Supply Unit Preset Screw

P.X-70	P.X-70	P.X-111



HSK / SFC SHRINK FIT CHUCK

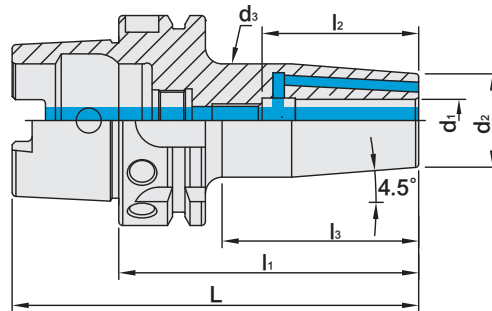
with CP coolant hole

4.5°

Coolant
hole

BALANCE
G2.5
25,000 RPM

HSK / SFC 熱膨脹刀桿 [出水孔型]



MODEL NO.	TYPE	L	l ₁	l ₂	l ₃	d ₁	d ₂	d ₃	T	TORQUE N·m min	WEIGHT (KGS)
5076-801-010-130	HSK125A x SFC10 - 130 - CP	193	130	42	75	10	24	32	M8	65	4.39
5076-801-010-160	HSK125A x SFC10 - 160 - CP	223	160	42	75	10	24	32	M8	65	5.25
5076-801-010-200	HSK125A x SFC10 - 200 - CP	263	200	42	75	10	24	32	M8	65	6.37
5076-801-012-130	HSK125A x SFC12 - 130 - CP	193	130	47	75	12	24	32	M10	110	4.37
5076-801-012-160	HSK125A x SFC12 - 160 - CP	223	160	47	75	12	24	32	M10	110	5.23
5076-801-012-200	HSK125A x SFC12 - 200 - CP	263	200	47	75	12	24	32	M10	110	6.35
5076-801-016-130	HSK125A x SFC16 - 130 - CP	193	130	50	75	16	27	34	M12	200	4.65
5076-801-016-160	HSK125A x SFC16 - 160 - CP	223	160	50	75	16	27	34	M12	200	5.61
5076-801-016-200	HSK125A x SFC16 - 200 - CP	263	200	50	75	16	27	34	M12	200	6.45
5076-801-020-115	HSK125A x SFC20 - 115 - CP	178	115	52	60	20	33	42	M16	320	4.50
5076-801-020-130	HSK125A x SFC20 - 130 - CP	193	130	52	75	20	33	42	M16	320	4.64
5076-801-020-160	HSK125A x SFC20 - 160 - CP	223	160	52	75	20	33	42	M16	320	5.60
5076-801-020-200	HSK125A x SFC20 - 200 - CP	263	200	52	75	20	33	42	M16	320	6.86
5076-801-025-115	HSK125A x SFC25 - 115 - CP	178	115	58	60	25	44	53	M20	500	4.85
5076-801-025-130	HSK125A x SFC25 - 130 - CP	193	130	58	75	25	44	53	M20	500	5.08
5076-801-025-160	HSK125A x SFC25 - 160 - CP	223	160	58	75	25	44	53	M20	500	6.17
5076-801-025-200	HSK125A x SFC25 - 200 - CP	263	200	58	75	25	44	53	M20	500	7.59
5076-801-032-120	HSK125A x SFC32 - 120 - CP	183	120	58	65	32	44	53	M20	550	4.79

Features:

- ▶ CP type has 3 coolant holes on the face, achieving efficient cooling.
- ▶ Coolant fluid from 3 coolant holes concentrates on tools, optimizing heat dissipation and chip evacuation.
- ▶ The design of 3 coolant holes allows internal hole to expand evenly, free from deformation and maintains good runout accuracy, expanding the holder use life.
- ▶ 4.5° design allows bigger diameter which has better rigidity. Suitable for general machining.

Product information:

- ▶ We accept special order of the design with 6 threaded holes for balance (w/o balancing screws).
- ▶ Higher balancing grade and revolution can be done upon request but additional charge is needed.
- ▶ For tool shank with h6 tolerance, such as Form HA to DIN6535 and Form A to DIN 1835-1, except that the internal hole of Shrink Fit Chuck is less than 6mm.

Coolant Supply Unit	Key For Coolant Supply Unit	Preset Screw
		
P.X-70	P.X-70	P.X-111



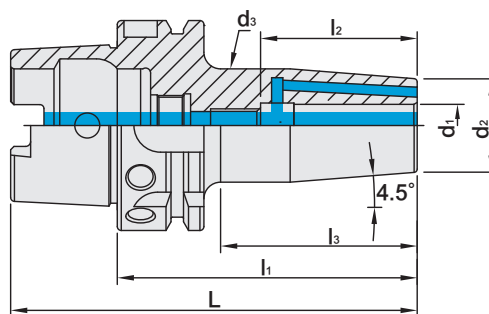
HSK / SFC SHRINK FIT CHUCK

with CP coolant hole

4.5°

Coolant
holeBALANCE
G2.5
25,000 RPM

HSK / SFC 熱膨脹刀桿 [出水孔型]



INCHES

MODEL NO.	TYPE	L	l ₁	l ₂	l ₃	d ₁	d ₂	d ₃	T	TORQUE N·m min	WEIGHT (KGS)
5071-801-A16-354	HSK40A x SFC 1/4" - 3.54" - CP	4.33	3.54	1.42	2.04	0.25	0.71	1.03	M5	18	0.41
5071-801-A20-354	HSK40A x SFC 5/16" - 3.54" - CP	4.33	3.54	1.42	2.63	0.3125	0.79	1.06	M6	35	0.43
5071-801-A24-354	HSK40A x SFC 3/8" - 3.54" - CP	4.33	3.54	1.53	2.67	0.375	0.94	1.26	M8	65	0.52
5071-801-A32-354	HSK40A x SFC 1/2" - 3.54" - CP	4.33	3.54	1.85	2.71	0.5	1.1	1.34	M10	110	0.58
5072-801-A16-354	HSK50A x SFC 1/4" - 3.54" - CP	4.53	3.54	1.42	2.04	0.25	0.71	1.03	M5	18	0.58
5072-801-A20-354	HSK50A x SFC 5/16" - 3.54" - CP	4.53	3.54	1.42	2.32	0.3125	0.79	1.06	M6	35	0.60
5072-801-A24-354	HSK50A x SFC 3/8" - 3.54" - CP	4.53	3.54	1.53	2.32	0.375	0.94	1.26	M8	65	0.69
5072-801-A32-354	HSK50A x SFC 1/2" - 3.54" - CP	4.53	3.54	1.85	2.4	0.5	1.1	1.34	M10	110	0.74
5072-801-A40-354	HSK50A x SFC 5/8" - 3.54" - CP	4.53	3.54	1.97	2.4	0.625	1.06	1.34	M12	200	0.69
5072-801-A48-394	HSK50A x SFC 3/4" - 3.94" - CP	4.93	3.94	1.97	2.89	0.75	1.42	1.65	M16	320	0.91
5073-801-A16-394	HSK63A x SFC 1/4" - 3.94" - CP	5.2	3.94	1.42	2.71	0.25	0.71	1.06	M5	18	0.88
5073-801-A20-394	HSK63A x SFC 5/16" - 3.94" - CP	5.2	3.94	1.42	2.71	0.3125	0.79	1.06	M6	35	0.90
5073-801-A24-394	HSK63A x SFC 3/8" - 3.94" - CP	5.2	3.94	1.65	2.71	0.375	0.94	1.26	M8	65	1.00
5073-801-A32-394	HSK63A x SFC 1/2" - 3.94" - CP	5.2	3.94	1.85	2.71	0.5	1.1	1.38	M10	110	1.08
5073-801-A40-394	HSK63A x SFC 5/8" - 3.94" - CP	5.2	3.94	1.97	2.71	0.625	1.06	1.34	M12	200	1.01
5073-801-A48-394	HSK63A x SFC 3/4" - 3.94" - CP	5.2	3.94	2.04	2.71	0.75	1.42	1.65	M16	320	1.25
5073-801-A64-394	HSK63A x SFC 1" - 3.94" - CP	5.2	3.94	2.28	2.71	1	1.42	1.65	M20	500	1.12
5075-801-A16-354	HSK100A x SFC 1/4" - 3.54" - CP	5.51	3.54	1.26	2.04	0.25	0.71	1.03	M5	18	2.17
5075-801-A20-335	HSK100A x SFC 5/16" - 3.35" - CP	5.32	3.35	1.42	2	0.3125	0.79	1.06	M6	35	2.17
5075-801-A24-354	HSK100A x SFC 3/8" - 3.54" - CP	5.51	3.54	1.89	2.2	0.375	0.94	1.26	M8	65	2.27
5075-801-A32-374	HSK100A x SFC 1/2" - 3.74" - CP	5.71	3.74	2.04	2.4	0.5	1.1	1.34	M10	110	2.36
5075-801-A40-394	HSK100A x SFC 5/8" - 3.94" - CP	5.91	3.94	2.16	2.4	0.625	1.06	1.34	-	200	2.34
5075-801-A48-413	HSK100A x SFC 3/4" - 4.13" - CP	6.1	4.13	2.04	2.79	0.75	1.42	1.65	M16	320	2.62
5075-801-A64-453	HSK100A x SFC 1" - 4.53" - CP	6.5	4.53	2.28	2.99	1	1.81	2.09	M20	500	3.13
5075-801-A72-472	HSK100A x SFC 1-1/4" - 4.72" - CP	6.69	4.72	2.28	3.18	1.25	1.81	2.09	M20	550	3.07

Features:

- ▶ CP type has 3 coolant holes on the face, achieving efficient cooling.
- ▶ Coolant fluid from 3 coolant holes concentrates on tools, optimizing heat dissipation and chip evacuation.
- ▶ The design of 3 coolant holes allows internal hole to expand evenly, free from deformation and maintains good runout accuracy, expanding the holder use life.
- ▶ 4.5° design allows bigger diameter which has better rigidity. Suitable for general machining.

Product information:

- ▶ We accept special order of the design with 6 threaded holes for balance (w/o balancing screws).
- ▶ Higher balancing grade and revolution can be done upon request but additional charge is needed.
- ▶ For tool shank with h6 tolerance, such as Form HA to DIN6535 and Form A to DIN 1835-1, except that the internal hole of Shrink Fit Chuck is less than 6mm.

Coolant Supply Unit Key For Coolant Supply Unit Preset Screw

		
P.X-70	P.X-70	P.X-111



PSC / SFC SHRINK FIT CHUCK

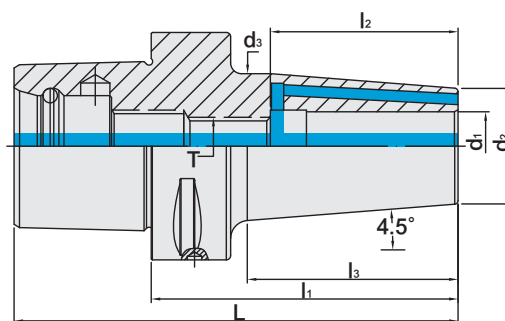
with CP coolant hole



PSC / SFC 熱膨脹刀桿 [出水孔型]



台灣精品 2012
TAIWAN EXCELLENCE



MODEL NO.	TYPE	L	l ₁	l ₂	l ₃	d ₁	d ₂	d ₃	T	WEIGHT (KGS)
5140-801-006-060	PSC32 x SFC6 - 60 - CP	79	60	36	40	6	12	18	M5	0.17
5140-801-008-107	PSC32 x SFC8 - 107 - CP	126	107	36	61	8	20	26	M6	0.43
5140-801-010-095	PSC32 x SFC10 - 95 - CP	114	95	42	81	10	24	32	M8	0.50
5140-801-012-084	PSC32 x SFC12 - 84 - CP	103	84	47	69	12	24	32	M10	0.41
5141-801-006-075	PSC40 x SFC6 - 75 - CP	99	75	36	53	6	20	26	M5	0.40
5141-801-008-075	PSC40 x SFC8 - 75 - CP	99	75	36	53	8	20	26	M6	0.40
5141-801-010-075	PSC40 x SFC10 - 75 - CP	99	75	42	54	10	24	32	M8	0.50
5141-801-012-075	PSC40 x SFC12 - 75 - CP	99	75	47	54	12	24	32	M10	0.50
5141-801-014-080	PSC40 x SFC14 - 80 - CP	104	80	47	59	14	27	34	M10	0.60
5141-801-016-080	PSC40 x SFC16 - 80 - CP	104	80	50	59	16	27	34	M12	0.50
5141-801-018-080	PSC40 x SFC18 - 80 - CP	104	80	52	59	18	33	42	M12	0.70
5141-801-020-085	PSC40 x SFC20 - 85 - CP	109	85	52	64	20	33	42	M16	0.70
5142-801-006-075	PSC50 x SFC6 - 75 - CP	105	75	36	53	6	20	26	M5	0.60
5142-801-008-075	PSC50 x SFC8 - 75 - CP	105	75	36	53	8	20	26	M6	0.60
5142-801-010-075	PSC50 x SFC10 - 75 - CP	105	75	42	54	10	24	32	M8	0.70
5142-801-012-075	PSC50 x SFC12 - 75 - CP	105	75	47	59	12	24	32	M10	0.60
5142-801-014-080	PSC50 x SFC14 - 80 - CP	110	80	47	59	14	27	34	M10	0.70
5142-801-016-080	PSC50 x SFC16 - 80 - CP	110	80	52	59	16	27	34	M12	0.70
5142-801-018-080	PSC50 x SFC18 - 80 - CP	110	80	52	59	18	33	42	M12	0.80
5142-801-020-085	PSC50 x SFC20 - 85 - CP	115	85	52	64	20	33	42	M16	0.90
5142-801-025-090	PSC50 x SFC25 - 90 - CP	120	90	58	68	25	44	53	M20	1.20

Features:

- ▶ CP type has 3 coolant holes on the face, achieving efficient cooling.
- ▶ Coolant fluid from 3 coolant holes concentrates on tools, optimizing heat dissipation and chip evacuation.
- ▶ The design of 3 coolant holes allows internal hole to expand evenly, free from deformation and maintains good runout accuracy, expanding the holder use life.
- ▶ 4.5° design allows bigger diameter which has better rigidity. Suitable for general machining.

Product information:

- ▶ We accept special order of the design with 6 threaded holes for balance (w/o balancing screws).
- ▶ Higher balancing grade and revolution can be done upon request but additional charge is needed.
- ▶ For tool shank with h6 tolerance, such as Form HA to DIN6535 and Form A to DIN 1835-1, except that the internal hole of Shrink Fit Chuck is less than 6mm.

Coolant Supply unit	Key	Preset Screw
P.X-70	P.X-70	P.X-111



PSC / SFC SHRINK FIT CHUCK

with CP coolant hole

4.5°

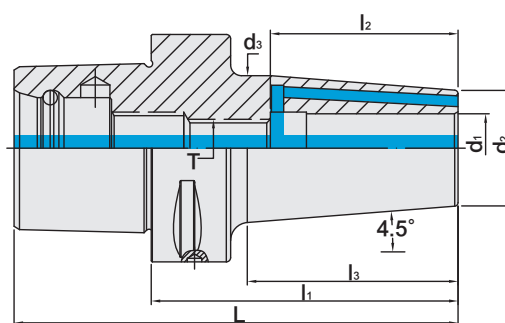
Coolant
hole

BALANCE
G2.5
25,000 RPM

PSC / SFC 熱膨脹刀桿 [出水孔型]



台灣精品 2012
TAIWAN EXCELLENCE



MODEL NO.	TYPE	L	l ₁	l ₂	l ₃	d ₁	d ₂	d ₃	T	WEIGHT (KGS)
5143-801-006-080	PSC63 x SFC6 - 80 - CP	118	80	36	53	6	20	26	M5	1.00
5143-801-008-080	PSC63 x SFC8 - 80 - CP	118	80	36	53	8	20	26	M6	0.90
5143-801-010-080	PSC63 x SFC10 - 80 - CP	118	80	52	53	10	24	32	M8	1.00
5143-801-012-080	PSC63 x SFC12 - 80 - CP	118	80	52	56	12	24	32	M10	1.00
5143-801-014-085	PSC63 x SFC14 - 85 - CP	123	85	47	58	14	27	34	M10	1.10
5143-801-016-085	PSC63 x SFC16 - 85 - CP	123	85	52	58	16	27	34	M12	1.10
5143-801-018-085	PSC63 x SFC18 - 85 - CP	123	85	52	58	18	33	42	M12	1.30
5143-801-020-085	PSC63 x SFC20 - 85 - CP	123	85	52	58	20	33	42	M16	1.20
5143-801-025-090	PSC63 x SFC25 - 90 - CP	128	90	58	66	25	44	53	M20	1.50
5143-801-032-095	PSC63 x SFC32 - 95 - CP	133	95	58	71	32	44	53	M20	1.50
5144-801-010-090	PSC80 x SFC10 - 90 - CP	138	90	42	55	10	24	32	M8	1.96
5144-801-012-090	PSC80 x SFC12 - 90 - CP	138	90	47	55	12	24	32	M10	1.94
5144-801-016-095	PSC80 x SFC16 - 95 - CP	143	95	50	60	16	27	34	M12	1.99
5144-801-020-095	PSC80 x SFC20 - 95 - CP	143	95	52	60	20	33	42	M16	2.10
5144-801-025-100	PSC80 x SFC25 - 100 - CP	148	100	58	65	25	44	53	M20	2.37

Features:

- ▶ CP type has 3 coolant holes on the face, achieving efficient cooling.
- ▶ Coolant fluid from 3 coolant holes concentrates on tools, optimizing heat dissipation and chip evacuation.
- ▶ The design of 3 coolant holes allows internal hole to expand evenly, free from deformation and maintains good runout accuracy, expanding the holder use life.
- ▶ 4.5° design allows bigger diameter which has better rigidity. Suitable for general machining.

Product information:

- ▶ We accept special order of the design with 6 threaded holes for balance (w/o balancing screws).
- ▶ Higher balancing grade and revolution can be done upon request but additional charge is needed.
- ▶ For tool shank with h6 tolerance, such as Form HA to DIN6535 and Form A to DIN 1835-1, except that the internal hole of Shrink Fit Chuck is less than 6mm.

Coolant Supply unit	Key	Preset Screw
P.X-70	P.X-70	P.X-111

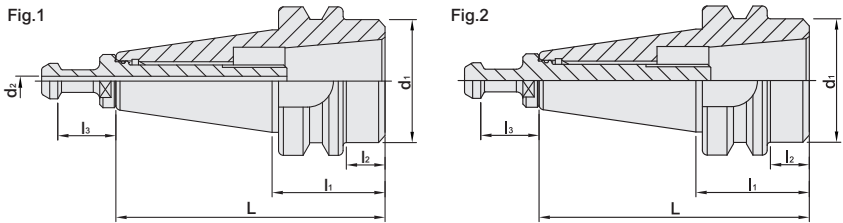


SFS SLIM-FIT COLLET CHUCK

BALANCE
G2.5
25,000 RPM



SFS 後拉式刀桿



MODEL NO.	TYPE	L	l ₁	l ₂	l ₃	d ₁	d ₂	Θ	Fig.	WEIGHT (KGS)
5010-780-12A-035	BT30 x SFS12 - 35	83.4	35	12	18	38.1	3	45°	1	0.4
5010-780-12B-035	BT30 x SFS12 - 35	83.4	35	12	18	38.1	3	60°	1	0.4
5010-780-12C-035	BT30 x SFS12 - 35	83.4	35	12	18	38.1	-	45°	2	0.4
5010-780-12D-035	BT30 x SFS12 - 35	83.4	35	12	18	38.1	-	60°	2	0.4
5025-780-12A-035	SBT30 x SFS12 - 35	83.4	35	12	18	38.1	3	45°	1	0.4
5025-780-12B-035	SBT30 x SFS12 - 35	83.4	35	12	18	38.1	3	60°	1	0.4
5025-780-12C-035	SBT30 x SFS12 - 35	83.4	35	12	18	38.1	-	45°	2	0.4
5025-780-12D-035	SBT30 x SFS12 - 35	83.4	35	12	18	38.1	-	60°	2	0.4

ONE PIECE PULL STUD WITH DRAW BOLT 一體式後拉螺絲拉頭



► Standard accessory of BT30 / SBT30 SFS slim-fit collet chuck.

- Feature:**
- The pull stud of BT30 and SBT30 SFS slim-fit collet chuck is special one piece design with draw bolt.
 - There are two types of pull studs for BT30 and SBT30 SFS slim-fit collet chuck. Please confirm the size of Θ and l_3 before making an order.
 - Custom-made order for pull studs of BT30 and SBT30 SFS slim-fit collet chuck is acceptable.

Standard Accessory: • ONE PIECE PULL STUD WITH DRAW BOLT

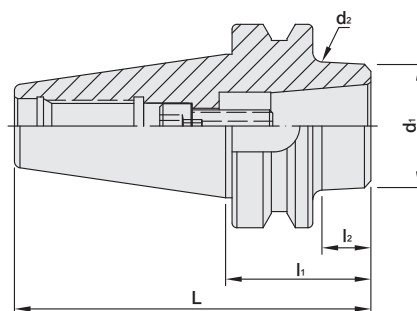
SFS Extension	MFS Extension	Pull Stud
		
P.Q-120	P.Q-121~123	P.X-80



SFS SLIM-FIT COLLET CHUCK

BALANCE
G2.5
25,000 RPM

SFS 後拉式刀桿



MODEL NO.	TYPE	L	l ₁	l ₂	d ₁	d ₂	WEIGHT (KGS)
5011-780-012-045	BT40 x SFS12 - 45	110.4	45	15.1	38.1	39.6	1.1
5011-780-012-075	BT40 x SFS12 - 75	140.4	75	60.1	38.1	42.8	1.4
5011-780-012-090	BT40 x SFS12 - 90	155.4	90	45.1	38.1	44.4	1.6
5011-780-012-135	BT40 x SFS12 - 135	200.4	135	105.1	38.1	49.1	2.2
5012-780-012-075	BT50 x SFS12 - 75	176.8	75	34.1	38.1	41.6	4.0
5012-780-012-105	BT50 x SFS12 - 105	206.8	105	64.1	38.1	44.8	4.4
5012-780-012-135	BT50 x SFS12 - 135	236.8	135	94.1	38.1	47.9	4.7
5012-780-012-225	BT50 x SFS12 - 225	326.8	225	184.1	38.1	57.4	6.4
5012-780-012-315	BT50 x SFS12 - 315	416.8	315	274.1	38.1	66.8	11
5031-780-012-045	CAT40 x SFS12 - 1.77"	113.249	45	8.73	38.1	41.9	1.1
5031-780-012-075	CAT40 x SFS12 - 2.95"	143.249	75	37.28	38.1	41.9	1.4
5032-780-012-075	CAT50 x SFS12 - 2.95"	176.6	75	37.15	38.1	41.9	4.0
5032-780-012-203	CAT50 x SFS12 - 8"	304.8	203.2	165.35	38.1	55.4	6.1
5032-780-012-305	CAT50 x SFS12 - 12"	406.4	304.8	267.9	38.1	66.1	10.8
5051-780-012-045	DAT40 x SFS12 - 45	113.4	45	23.05	38.1	20.2	1.0
5051-780-012-075	DAT40 x SFS12 - 75	143.4	75	53.05	38.1	43.6	1.3
5052-780-012-075	DAT50 x SFS12 - 75	176.75	75	53.05	38.1	43.6	3.4
5052-780-012-135	DAT50 x SFS12 - 135	236.75	135	113.05	38.1	49.9	4.3

Product information: ▶ Drawbar clamping design.

Standard Accessory: • ALLEN WRENCH • TORX WRENCH

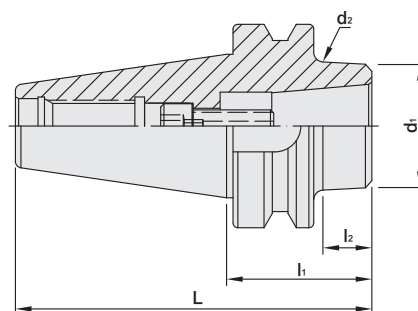
SFS Extension	MFS Extension	Pull Stud	Torque Wrench Adapter (Pull Stud)	Spanner (Pull Stud)	Spanner
					
P.Q-120	P.Q-121~123	P.X-64~67	P.X-73、77	P.X-78	P.X-80



SFS SLIM-FIT COLLET CHUCK



SFS 後拉式刀桿



MODEL NO.	TYPE	L	l ₁	l ₂	d ₁	d ₂	WEIGHT (KGS)
5026-780-012-045	SBT40 x SFS12 - 45	110.4	45	15.1	38.1	39.6	1.1
5026-780-012-075	SBT40 x SFS12 - 75	140.4	75	60.1	38.1	42.8	1.4
5026-780-012-090	SBT40 x SFS12 - 90	155.4	90	45.1	38.1	44.4	1.6
5026-780-012-135	SBT40 x SFS12 - 135	200.4	135	105.1	38.1	49.1	2.2
5027-780-012-075	SBT50 x SFS12 - 75	176.8	75	34.1	38.1	41.6	4.0
5027-780-012-105	SBT50 x SFS12 - 105	206.8	105	64.1	38.1	44.8	4.4
5027-780-012-135	SBT50 x SFS12 - 135	236.8	135	94.1	38.1	47.9	4.7
5027-780-012-225	SBT50 x SFS12 - 225	326.8	225	184.1	38.1	57.4	6.4
5027-780-012-315	SBT50 x SFS12 - 315	416.8	315	274.1	38.1	66.8	11
5043-780-012-045	SCAT40 x SFS12 - 1.77"	113.249	45	8.73	38.1	41.9	1.1
5043-780-012-075	SCAT40 x SFS12 - 2.95"	143.249	75	37.28	38.1	41.9	1.4
5044-780-012-075	SCAT50 x SFS12 - 2.95"	176.6	75	37.15	38.1	41.9	4.0
5044-780-012-203	SCAT50 x SFS12 - 8"	304.8	203.2	165.35	38.1	55.4	6.1
5044-780-012-305	SCAT50 x SFS12 - 12"	406.4	304.8	267.9	38.1	66.1	10.8
5066-780-012-045	SDAT40 x SFS12 - 45	113.4	45	23.05	38.1	20.2	1.0
5066-780-012-075	SDAT40 x SFS12 - 75	143.4	75	53.05	38.1	43.6	1.3
5067-780-012-075	SDAT50 x SFS12 - 75	176.75	75	53.05	38.1	43.6	3.4
5067-780-012-135	SDAT50 x SFS12 - 135	236.75	135	113.05	38.1	49.9	4.3

Product information:

- ▶ Drawbar clamping design.

Standard Accessory: • ALLEN WRENCH • TORX WRENCH

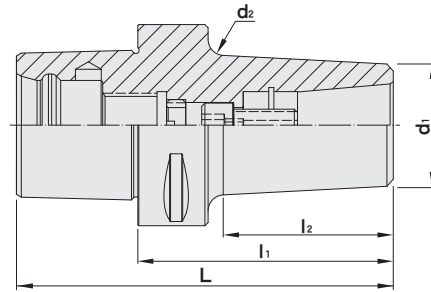
SFS Extension	MFS Extension	Pull Stud	Torque Wrench Adapter (Pull Stud)	Spanner (Pull Stud)	Spanner
P.Q-120	P.Q-121~123	P.X-64~67	P.X-73、77	P.X-78	P.X-80



SFS SLIM-FIT COLLET CHUCK

BALANCE
G2.5
25,000 RPM

SFS 後拉式刀桿



MODEL NO.	TYPE	L	l ₁	l ₂	d ₁	d ₂	WEIGHT (KGS)
5072-780-012-075	HSK50A x SFS12 - 75	100	75	48.6	38.1	42	0.8
5073-780-012-075	HSK63A x SFS12 - 75	107	75	47.105	38.1	43	1.0
5073-780-012-135	HSK63A x SFS12 - 135	167	135	107.5	38.1	49.3	1.7
5073-780-012-165	HSK63A x SFS12 - 165	197	165	138.6	38.1	52.6	2.1
5073-780-012-225	HSK63A x SFS12 - 225	257	225	199	38.1	52	2.9
5073-780-012-240	HSK63A x SFS12 - 240	272	240	132.6	38.1	52	3.1
5075-780-012-105	HSK100A x SFS12 - 105	155	105	66.5	38.1	45	3.4
5075-780-012-135	HSK100A x SFS12 - 135	185	135	96.5	38.1	48.2	3.8
5075-780-012-160	HSK100A x SFS12 - 160	210	160	121.5	38.1	50.8	3.40
5075-780-012-225	HSK100A x SFS12 - 225	275	225	186.5	38.1	57.6	5.4
5075-780-012-315	HSK100A x SFS12 - 315	365	315	276.5	38.1	67.1	6.4
5099-780-012-075	HSK40E x SFS12 - 75	95	75	55	38.1	40	0.7
5100-780-012-075	HSK50E x SFS12 - 75	110	75	48.6	38.1	42	0.8
5103-780-012-075	HSK63F x SFS12 - 75	100	75	47.1	38.1	43	1.0
5103-780-012-100	HSK63F x SFS12 - 100	125	75	72.1	38.1	45.6	1.3
5103-780-012-125	HSK63F x SFS12 - 125	150	125	97.0	38.1	48.2	1.6
5143-780-012-080	PSC63 x SFS12 - 80	118	80	53	38.1	43.6	1.21

Product information: ▶ Drawbar clamping design.

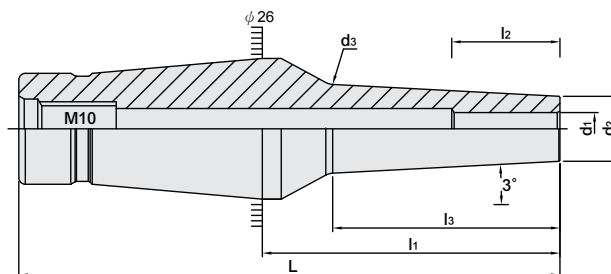
Standard Accessory: • ALLEN WRENCH • TORX WRENCH

SFS Extension	MFS Extension	Coolant Supply Unit	Key For Coolant Supply Unit	Spanner
				
P.Q-120	P.Q-121~123	P.X-70	P.X-70	P.X-80



SFS SLIM-FIT SHRINK EXTENSION

SFS 熱膨脹延長桿



MODEL NO.	TYPE	L	l ₁	l ₂	l ₃	d ₁	d ₂	d ₃	WEIGHT (KGS)
5272-780-01203-035	SFS12 x 3mm - 35mm	80	35	10	22	3	6	8.3	0.16
5272-780-01203-055	SFS12 x 3mm - 55mm	100	55	10	42	3	6	10.4	0.17
5272-780-01203-080	SFS12 x 3mm - 80mm	125	80	10	67	3	6	13.0	0.20
5272-780-01203-110	SFS12 x 3mm - 110mm	155	110	10	97	3	6	16.2	0.23
5272-780-01204-035	SFS12 x 4mm - 35mm	80	35	10	22	4	7	9.3	0.16
5272-780-01204-055	SFS12 x 4mm - 55mm	100	55	10	42	4	7	11.4	0.18
5272-780-01204-080	SFS12 x 4mm - 80mm	125	80	10	67	4	7	14.0	0.20
5272-780-01204-110	SFS12 x 4mm - 110mm	155	110	10	97	4	7	17.2	0.24
5272-780-01206-035	SFS12 x 6mm - 35mm	80	35	20	22	6	9	11.3	0.17
5272-780-01206-055	SFS12 x 6mm - 55mm	100	55	20	42	6	9	13.4	0.18
5272-780-01206-080	SFS12 x 6mm - 80mm	125	80	20	67	6	9	16.2	0.21
5272-780-01206-110	SFS12 x 6mm - 110mm	155	110	20	97	6	9	19.2	0.26
5272-780-01208-035	SFS12 x 8mm - 35mm	80	35	26	22	8	11	13.3	0.17
5272-780-01208-055	SFS12 x 8mm - 55mm	100	55	26	42	8	11	15.4	0.19
5272-780-01208-080	SFS12 x 8mm - 80mm	125	80	26	67	8	11	18.0	0.23
5272-780-01208-110	SFS12 x 8mm - 110mm	155	110	26	97	8	11	21.2	0.29
5272-780-01210-035	SFS12 x 10mm - 35mm	80	35	32	22	10	13	15.3	0.17
5272-780-01210-055	SFS12 x 10mm - 55mm	100	55	32	42	10	13	17.4	0.20
5272-780-01210-080	SFS12 x 10mm - 80mm	125	80	32	67	10	13	20.0	0.24
5272-780-01210-110	SFS12 x 10mm - 110mm	155	110	32	97	10	13	23.2	0.32
5272-780-01212-035	SFS12 x 12mm - 35mm	80	35	37	22	12	15	17.3	0.17
5272-780-01212-055	SFS12 x 12mm - 55mm	100	55	37	42	12	15	19.4	0.20
5272-780-01212-080	SFS12 x 12mm - 80mm	125	80	37	67	12	15	22.0	0.26
5272-780-01212-110	SFS12 x 12mm - 110mm	155	110	37	97	12	15	25.2	0.35

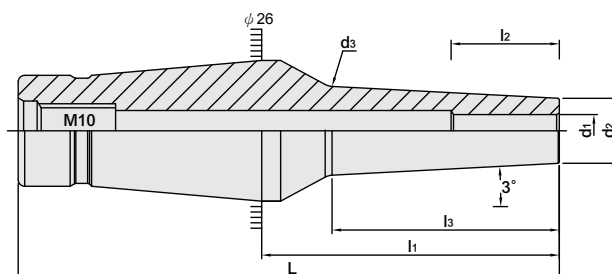
Product information:

- ▶ Used with SFS slim-fit collet chuck.
- ▶ Material: hot work die steel.



MFS SLIM-FIT SHRINK EXTENSION

MFS 熱膨脹延長桿



MODEL NO.	TYPE	L	l ₁	l ₂	l ₃	d ₁	d ₂	d ₃	WEIGHT (KGS)
5272-474-01203-035	MFS12R x 3mm - 35	80	35	10	22	3	7.5	9.8	0.2
5272-474-01203-055	MFS12R x 3mm - 55	100	55	10	42	3	7.5	11.9	0.2
5272-474-01203-080	MFS12R x 3mm - 80	125	80	10	67	3	7.5	14.5	0.2
5272-474-01204-035	MFS12R x 4mm - 35	80	35	10	22	4	10	12.3	0.2
5272-474-01204-055	MFS12R x 4mm - 55	100	55	10	42	4	10	14.4	0.2
5272-474-01204-080	MFS12R x 4mm - 80	125	80	10	67	4	10	17	0.2
5272-474-01206-035	MFS12R x 6mm - 35	80	35	20	22	6	12	14.3	0.2
5272-474-01206-055	MFS12R x 6mm - 55	100	55	20	42	6	12	16.4	0.2
5272-474-01206-080	MFS12R x 6mm - 80	125	80	20	67	6	12	19	0.2
5272-474-01208-035	MFS12R x 8mm - 35	80	35	26	22	8	14	16.3	0.2
5272-474-01208-055	MFS12R x 8mm - 55	100	55	26	42	8	14	18.4	0.2
5272-474-01208-080	MFS12R x 8mm - 80	125	80	26	67	8	14	21	0.3
5272-474-01210-035	MFS12R x 10mm - 35	80	35	32	22	10	16	18.3	0.2
5272-474-01210-055	MFS12R x 10mm - 55	100	55	32	42	10	16	20.4	0.2
5272-474-01210-080	MFS12R x 10mm - 80	125	80	32	67	10	16	23	0.3
5272-474-01212-035	MFS12R x 12mm - 35	80	35	37	22	12	20	22.3	0.2
5272-474-01212-055	MFS12R x 12mm - 55	100	55	37	42	12	20	24.4	0.2
5272-474-01212-080	MFS12R x 12mm - 80	125	80	37	67	12	20	25.4	0.3

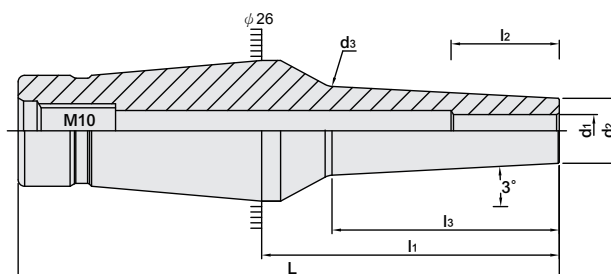
Product information:

- Used with SFS slim-fit collet chuck.
- Material: heat resistant steel.



MFS SLIM-FIT SHRINK EXTENSION

MFS 熱膨脹延長桿



MODEL NO.	TYPE	L	l ₁	l ₂	l ₃	d ₁	d ₂	d ₃	WEIGHT (KGS)
5272-473-01203-035	MFS12S x 3mm - 35	80	35	10	22	3	6	8.3	0.16
5272-473-01203-055	MFS12S x 3mm - 55	100	55	10	42	3	6	10.4	0.17
5272-473-01203-080	MFS12S x 3mm - 80	125	80	10	67	3	6	13.0	0.20
5272-473-01203-110	MFS12S x 3mm - 110	155	110	10	97	3	6	16.2	0.23
5272-473-012A08-035	MFS12S x 3.175mm - 35	80	35	10	22	3.175	6.175	8.5	0.16
5272-473-012A08-055	MFS12S x 3.175mm - 55	100	55	10	42	3.175	6.175	10.6	0.17
5272-473-012A08-080	MFS12S x 3.175mm - 80	125	80	10	67	3.175	6.175	13.2	0.19
5272-473-012A08-110	MFS12S x 3.175mm - 110	155	110	10	97	3.175	6.175	16.3	0.23
5272-473-01204-035	MFS12S x 4mm - 35	80	35	10	22	4	7	9.3	0.16
5272-473-01204-055	MFS12S x 4mm - 55	100	55	10	42	4	7	11.4	0.18
5272-473-01204-080	MFS12S x 4mm - 80	125	80	10	67	4	7	14.0	0.20
5272-473-01204-110	MFS12S x 4mm - 110	155	110	10	97	4	7	17.2	0.24
5272-473-01206-035	MFS12S x 6mm - 35	80	35	20	22	6	9	11.3	0.17
5272-473-01206-055	MFS12S x 6mm - 55	100	55	20	42	6	9	13.4	0.18
5272-473-01206-080	MFS12S x 6mm - 80	125	80	20	67	6	9	16.2	0.21
5272-473-01206-110	MFS12S x 6mm - 110	155	110	20	97	6	9	19.2	0.26
5272-473-01208-035	MFS12S x 8mm - 35	80	35	26	22	8	11	13.3	0.17
5272-473-01208-055	MFS12S x 8mm - 55	100	55	26	42	8	11	15.4	0.19
5272-473-01208-080	MFS12S x 8mm - 80	125	80	26	67	8	11	18.0	0.23
5272-473-01208-110	MFS12S x 8mm - 110	155	110	26	97	8	11	21.2	0.29
5272-473-01210-035	MFS12S x 10mm - 35	80	35	32	22	10	13	15.3	0.17
5272-473-01210-055	MFS12S x 10mm - 55	100	55	32	42	10	13	17.4	0.20
5272-473-01210-080	MFS12S x 10mm - 80	125	80	32	67	10	13	20.0	0.24
5272-473-01210-110	MFS12S x 10mm - 110	155	110	32	97	10	13	23.2	0.32
5272-473-01212-035	MFS12S x 12mm - 35	80	35	37	22	12	15	17.3	0.17
5272-473-01212-055	MFS12S x 12mm - 55	100	55	37	42	12	15	19.4	0.20
5272-473-01212-080	MFS12S x 12mm - 80	125	80	37	67	12	15	22.0	0.26
5272-473-01212-110	MFS12S x 12mm - 110	155	110	37	97	12	15	25.2	0.35

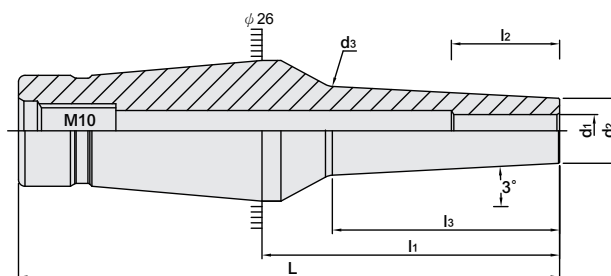
Product information:

- ▶ Used with SFS slim-fit collet chuck.
- ▶ Material: heat resistant steel.



MFS SLIM-FIT SHRINK EXTENSION

MFS 熱膨脹延長桿



INCHES

MODEL NO.	TYPE	L	l ₁	l ₂	l ₃	d ₁	d ₂	d ₃	WEIGHT (KGS)
5272-473-012A08-433	MFS12SxC 1/8" -4.33"	155	110	10	97	3.175	6.175	16.3	0.23
5272-473-012A12-433	MFS12SxC 3/16" -4.33"	155	110	10	97	4.726	7.763	17.93	0.24
5272-473-012A16-433	MFS12SxC 1/4" -4.33"	155	110	20	97	6.35	9.35	19.52	0.25
5272-473-012A32-315	MFS12SxC 1/2" -3.15"	125	80	38	66.8	12.7	15.7	22.7	0.36
5272-473-012A16-315	MFS12SxC 1/4" -3.15"	125	80	20	67	6.35	9.35	16.37	0.20
5272-473-012A32-433	MFS12SxC 1/2" -4.33"	155	110	38	97	12.7	15.7	25.86	0.26

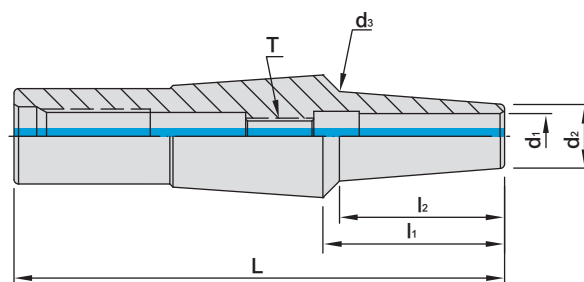
Product information:

- Used with SFS slim-fit collet chuck.
- Material: heat resistant steel.



SLF SLIM-FIT SHRINK FIT COLLET CHUCK

SLF 熱膨脹筒夾刀桿



METRIC

MODEL NO.	TYPE	L	l ₁	l ₂	d ₁	d ₂	d ₃	T	WEIGHT (KGS)
5257-S12-01203-038	SLF12 x C3 - 38	93	38	35.8	3	8	13.6	-	0.15
5257-S12-01204-038	SLF12 x C4 - 38	93	38	35.8	4	8	13.6	-	0.16
5257-S12-01205-038	SLF12 x C5 - 38	93	38	36.3	5	9	14.7	M4 x 0.7P	0.16
5257-S12-01206-038	SLF12 x C6 - 38	93	38	36.9	6	10	15.8	M5 x 0.8P	0.18
5257-S12-01208-038	SLF12 x C8 - 38	93	38	37.9	8	12	17.9	M6 x 1.0P	0.18
5257-S12-01210-038	SLF12 x C10 - 38	93	38	25.4	10	14	18	M8 x 1.25P	0.18
5257-S12-02003-040	SLF20 x C3 - 40	108	40	33.1	3	8	13.2	-	0.16
5257-S12-02004-040	SLF20 x C4 - 40	108	40	33.1	4	8	13.2	-	0.18
5257-S12-02005-040	SLF20 x C5 - 40	108	40	33.6	5	9	14.29	M4 x 0.7P	0.18
5257-S12-02006-040	SLF20 x C6 - 40	108	40	34.1	6	10	15.3	M8 x 1.25P	0.18
5257-S12-02008-040	SLF20 x C8 - 40	108	40	35.2	8	12	17.5	M8 x 1.25P	0.18
5257-S12-02010-040	SLF20 x C10 - 40	108	40	36.3	10	14	19.7	M8 x 1.25P	0.20
5257-S12-02012-040	SLF20 x C12 - 40	108	40	37.4	12	16	21.8	M10 x 1.5P	0.20
5257-S12-02014-040	SLF20 x C14 - 40	108	40	38.5	14	18	24.1	M10 x 1.5P	0.21
5257-S12-02016-040	SLF20 x C16 - 40	108	40	39.6	16	20	26.2	M12 x 1.75P	0.22

Features:

- ▶ High rigidity.
- ▶ Best runout (T.I.R): 5µm.
- ▶ Slim design.
- ▶ Easy operation.
- ▶ Used for SBL collet chucks.

Preset Screw

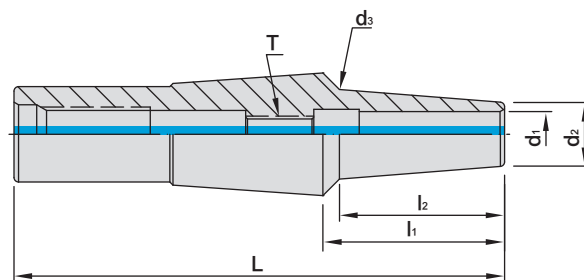


P.X-111



SLF SLIM-FIT SHRINK FIT COLLET CHUCK

SLF 熱膨脹筒夾刀桿



INCHES

MODEL NO.	TYPE	L	l ₁	l ₂	d ₁	d ₂	d ₃	T	WEIGHT (KGS)
5257-S12-012A08-150	SLF12 x C 1/8" - 1.496"	3.661	1.496	1.41	0.125	0.315	0.536	-	0.16
5257-S12-012A12-150	SLF12 x C 3/16" - 1.496"	3.661	1.496	1.41	0.1875	0.315	0.536	-	0.16
5257-S12-012A16-150	SLF12 x C 1/4" - 1.496"	3.661	1.496	1.453	0.25	0.394	0.622	M8 x 1.25P	0.18
5257-S12-012A20-150	SLF12 x C 5/16" - 1.496"	3.661	1.496	1.495	0.3125	0.472	0.708	M8 x 1.25P	0.18
5257-S12-012A24-150	SLF12 x C 3/8" - 1.496"	3.661	1.496	1.41	0.375	0.551	0.708	M8 x 1.25P	0.18
5257-S12-020A08-158	SLF20 x C 1/8" - 1.575"	4.252	1.575	1.303	0.125	0.315	0.52	-	0.16
5257-S12-020A12-158	SLF20 x C 3/16" - 1.575"	4.252	1.575	1.303	0.1875	0.315	0.52	-	0.18
5257-S12-020A16-158	SLF20 x C 1/4" - 1.575"	4.252	1.575	1.346	0.25	0.394	0.605	M8 x 1.25P	0.18
5257-S12-020A20-158	SLF20 x C 5/16" - 1.575"	4.252	1.575	1.388	0.3125	0.472	0.691	M8 x 1.25P	0.18
5257-S12-020A24-158	SLF20 x C 3/8" - 1.575"	4.252	1.575	1.392	0.375	0.551	0.776	M8 x 1.25P	0.18
5257-S12-020A32-158	SLF20 x C 1/2" - 1.575"	4.252	1.575	1.474	0.5	0.63	0.861	M10 x 1.5P	0.20
5257-S12-020A40-158	SLF20 x C 5/8" - 1.575"	4.252	1.575	1.517	0.625	0.709	0.947	M12 x 1.75P	0.20

Features:

- ▶ High rigidity.
- ▶ Best runout (T.I.R): 5µm.
- ▶ Slim design.
- ▶ Easy operation.
- ▶ Used for SBL collet chucks.

Preset Screw



P.X-111

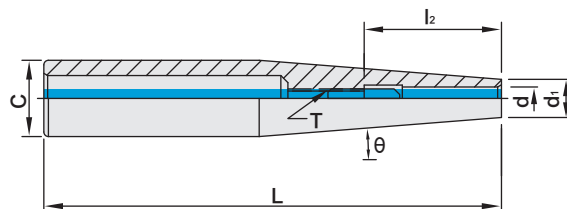


SFC SHRINK FIT CHUCK

STRAIGHT SHANK TYPE

4.5°

直柄 SFC 熱膨脹刀桿



MODEL NO.	TYPE	C	L	l ₂	d	d ₁	T	θ	WEIGHT (KGS)
5272-651-01003-120	C10 x SFC3 - 120	10	120	20	3	9	-	4.5°	0.12
5272-651-01004-120	C10 x SFC4 - 120	10	120	20	4	10	-	-	0.12
5272-651-01005-120	C10 x SFC5 - 120	10	120	20	5	10	M4 x 0.7P	-	0.12
5272-651-01203-120	C12 x SFC3 - 120	12	120	20	3	9	-	4.5°	0.12
5272-651-01204-120	C12 x SFC4 - 120	12	120	20	4	10	-	4.5°	0.12
5272-651-01205-120	C12 x SFC5 - 120	12	120	20	5	11	M4 x 0.7P	4.5°	0.12
5272-651-01206-120	C12 x SFC6 - 120	12	120	36	6	12	M5 x 0.8P	-	0.12
5272-651-01603-120	C16 x SFC3 - 120	16	120	20	3	9	M5 x 0.8P	4.5°	0.12
5272-651-01604-120	C16 x SFC4 - 120	16	120	20	4	10	M6 x 1.0P	4.5°	0.12
5272-651-01605-120	C16 x SFC5 - 120	16	120	20	5	11	M6 x 1.0P	4.5°	0.12
5272-651-01606-120	C16 x SFC6 - 120	16	120	36	6	12	M5 x 0.8P	4.5°	0.12
5272-651-01608-120	C16 x SFC8 - 120	16	120	36	8	14	M8 x 1.25P	4.5°	0.13
5272-651-01610-120	C16 x SFC10 - 120	16	120	42	10	16	M8 x 1.25P	-	0.12
5272-651-01612-120	C16 x SFC12 - 120	16	120	47	12	16	M10 x 1.5P	-	0.16
5272-651-02003-120	C20 x SFC3 - 120	20	120	20	3	9	-	4.5°	0.16
5272-651-02004-120	C20 x SFC4 - 120	20	120	20	4	10	-	4.5°	0.17
5272-651-02005-120	C20 x SFC5 - 120	20	120	20	5	11	M6 x 1.0P	4.5°	0.17
5272-651-02006-120	C20 x SFC6 - 120	20	120	36	6	12	M5 x 0.8P	4.5°	0.17
5272-651-02008-120	C20 x SFC8 - 120	20	120	36	8	14	M6 x 1.0P	4.5°	0.19
5272-651-02010-120	C20 x SFC10 - 120	20	120	42	10	16	M8 x 1.25P	4.5°	0.20
5272-651-02012-120	C20 x SFC12 - 120	20	120	47	12	18	M10 x 1.5P	4.5°	0.20
5272-651-02014-120	C20 x SFC14 - 120	20	120	47	14	20	M12 x 1.75P	-	0.29
5272-651-02016-120	C20 x SFC16 - 120	20	120	47	16	20	M12 x 1.75P	-	0.30
5272-651-03206-120	C32 x SFC6 - 120	32	120	36	6	12	M5 x 0.8P	4.5°	0.26
5272-651-03208-120	C32 x SFC8 - 120	32	120	36	8	14	M6 x 1.0P	4.5°	0.28
5272-651-03210-120	C32 x SFC10 - 120	32	120	42	10	16	M8 x 1.25P	4.5°	0.30
5272-651-03212-120	C32 x SFC12 - 120	32	120	47	12	18	M10 x 1.5P	4.5°	0.32
5272-651-03216-120	C32 x SFC16 - 120	32	120	50	16	22	M12 x 1.75P	4.5°	0.34

Features:

- ▶ High rigidity.
- ▶ Best runout (T.I.R): 5μm.
- ▶ Slim design.
- ▶ Easy operation.

Preset Screw

P.X-111

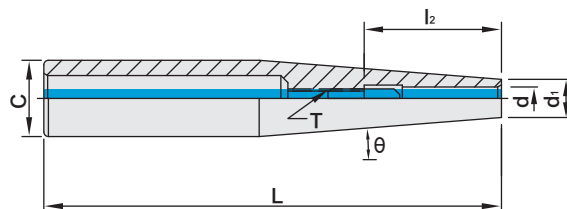


SFC SHRINK FIT CHUCK

STRAIGHT SHANK TYPE

3°

直柄 SFC 熱膨脹刀桿



METRIC

MODEL NO.	TYPE	C	L	l ₂	d	d ₁	T	θ	WEIGHT (KGS)
5272-651-01604-150	C16 x SFC4 - 150	16	150	20	4	10	-	3°	0.18
5272-651-01606-150	C16 x SFC6 - 150	16	150	36	6	12	M5 x 0.8P	3°	0.18
5272-651-01608-150	C16 x SFC8 - 150	16	150	36	8	14	M6 x 1.0P	3°	0.18
5272-651-02006-150	C20 x SFC6 - 150	20	150	36	6	12	-	3°	0.25
5272-651-02008-150	C20 x SFC8 - 150	20	150	36	8	14	-	3°	0.26
5272-651-02010-150	C20 x SFC10 - 150	20	150	42	10	16	-	3°	0.24
5272-651-02506-250	C25 x SFC6 - 250	25	250	36	6	12	-	3°	0.64
5272-651-02508-250	C25 x SFC8 - 250	25	250	36	8	14	-	3°	0.66
5272-651-02510-250	C25 x SFC10 - 250	25	250	42	10	16	-	3°	0.64
5272-651-02512-250	C25 x SFC12 - 250	25	250	47	12	18	-	3°	0.62

Features:

- ▶ High rigidity.
- ▶ Best runout (T.I.R): 5µm.
- ▶ Slim design.
- ▶ Easy operation.

Preset Screw



P.X-111

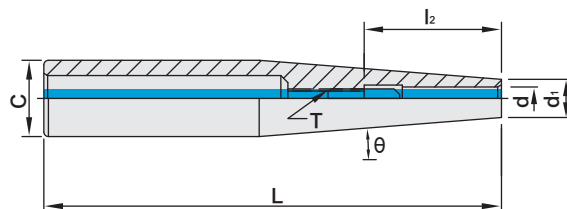


SFC SHRINK FIT CHUCK

STRAIGHT SHANK TYPE

4.5°

直柄 SFC 熱膨脹刀桿



INCHES

MODEL NO.	TYPE	C	L	l ₂	d	d ₁	T	θ	WEIGHT (KGS)
5272-651-A4003-630	C 5/8" x SFC 3mm - 6.3"	0.625	6.3	0.79	3mm	0.394	-	4.5°	0.18
5272-651-A40A08-630	C 5/8" x SFC 1/8" - 6.3"	0.625	6.3	0.79	0.125	0.394	-	4.5°	0.18
5272-651-A40A12-630	C 5/8" x SFC 3/16" - 6.3"	0.625	6.3	0.79	0.1875	0.394	-	4.5°	0.20
5272-651-A40A16-630	C 5/8" x SFC 1/4" - 6.3"	0.625	6.3	0.79	0.25	0.375	-	4.5°	0.24
5272-651-A40A20-630	C 5/8" x SFC 5/16" - 6.3"	0.625	6.3	1.417	0.3125	0.472	M6 x 1.0P	4.5°	0.25
5272-651-A48A16-630	C 3/4" x SFC 1/4" - 6.3"	0.75	6.3	1.417	0.25	0.551	M6 x 1.0P	4.5°	0.25
5272-651-A48A24-630	C 3/4" x SFC 3/8" - 6.3"	0.75	6.3	1.654	0.375	0.551	M8 x 1.25P	4.5°	0.25
5272-651-A64A24-630	C 1" x SFC 3/8" - 6.3"	1	6.3	1.654	0.375	0.787	M8 x 1.25P	4.5°	0.25
5272-651-A64A32-630	C 1" x SFC 1/2" - 6.3"	1	6.3	1.850	0.5	0.787	M10 x 1.5P	4.5°	0.25
5272-651-A64A40-630	C 1" x SFC 5/8" - 6.3"	1	6.3	1.969	0.625	0.866	M12 x 1.75P	4.5°	0.25

Features:

- ▶ High rigidity.
- ▶ Best runout (T.I.R): 5μm.
- ▶ Slim design.
- ▶ Easy operation.

Preset Screw



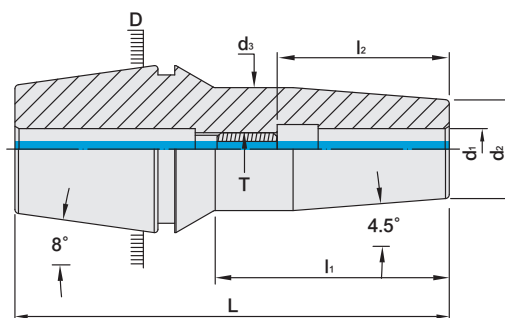
P.X-111



ER / SFE SHRINK FIT COLLET CHUCK

EXTENSION TYPE

ER / SFE 熱膨脹筒夾刀桿



MODEL NO.	TYPE	L	l ₁	l ₂	D	d ₁	d ₂	d ₃	T	WEIGHT (KGS)
5257-S13-02003-040	ER20 SFE3 - 40	71.5	40	18	20	3	8	14	-	0.16
5257-S13-02003-060	ER20 SFE3 - 60	91.5	60	18	20	3	8	14	-	0.19
5257-S13-02004-040	ER20 SFE4 - 40	71.5	40	20	20	4	8	14	-	0.16
5257-S13-02004-060	ER20 SFE4 - 60	91.5	60	20	20	4	8	14	-	0.19
5257-S13-02005-040	ER20 SFE5 - 40	71.5	40	20	20	5	9	15	M4 x 0.7P	0.16
5257-S13-02005-060	ER20 SFE5 - 60	91.5	60	20	20	5	9	15	M4 x 0.7P	0.19
5257-S13-02006-040	ER20 SFE6 - 40	71.5	40	36	20	6	10	15	M5 x 0.8P	0.16
5257-S13-02006-060	ER20 SFE6 - 60	91.5	60	36	20	6	10	15	M5 x 0.8P	0.19
5257-S13-02503-040	ER25 SFE3 - 40	74	40	18	25	3	8	14	-	0.15
5257-S13-02503-060	ER25 SFE3 - 60	94	60	18	25	3	8	14	-	0.18
5257-S13-02504-040	ER25 SFE4 - 40	74	40	20	25	4	8	14	-	0.15
5257-S13-02504-060	ER25 SFE4 - 60	94	60	20	25	4	8	14	-	0.18
5257-S13-02505-040	ER25 SFE5 - 40	74	40	20	25	5	9	15	M4 x 0.7P	0.15
5257-S13-02505-060	ER25 SFE5 - 60	94	60	20	25	5	9	15	M4 x 0.7P	0.18
5257-S13-02506-040	ER25 SFE6 - 40	74	40	36	25	6	10	16	M5 x 0.8P	0.15
5257-S13-02506-060	ER25 SFE6 - 60	94	60	36	25	6	10	16	M5 x 0.8P	0.18

Features:

- ▶ High rigidity.
- ▶ Best runout (T.I.R): 5μm.
- ▶ Slim design.
- ▶ Easy operation.
- ▶ Used for ER collet chucks.

Preset Screw



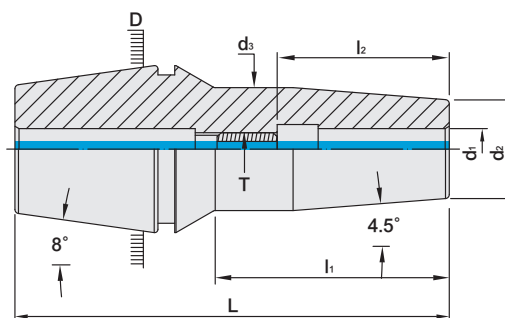
P.X-111



ER / SFE SHRINK FIT COLLET CHUCK

EXTENSION TYPE

ER / SFE 熱膨脹筒夾刀桿



MODEL NO.	TYPE	L	l ₁	l ₂	D	d ₁	d ₂	d ₃	T	WEIGHT (KGS)
5257-S13-03203-040	ER32 SFE3 - 40	80	40	18	32	3	8	14	-	0.15
5257-S13-03203-060	ER32 SFE3 - 60	100	60	18	32	3	8	14	-	0.18
5257-S13-03203-090	ER32 SFE3 - 90	130	90	20	32	3	8	14	-	0.21
5257-S13-03204-040	ER32 SFE4 - 40	80	40	20	32	4	8	14	-	0.15
5257-S13-03204-060	ER32 SFE4 - 60	100	60	20	32	4	8	14	-	0.18
5257-S13-03204-090	ER32 SFE4 - 90	130	90	20	32	4	8	14	-	0.21
5257-S13-03205-040	ER32 SFE5 - 40	80	40	20	32	5	9	15	M4 x 0.7P	0.15
5257-S13-03205-060	ER32 SFE5 - 60	100	60	20	32	5	9	15	M4 x 0.7P	0.18
5257-S13-03205-090	ER32 SFE5 - 90	130	90	20	32	5	9	15	M4 x 0.7P	0.21
5257-S13-03206-040	ER32 SFE6 - 40	80	40	36	32	6	10	16	M5 x 0.8P	0.15
5257-S13-03206-060	ER32 SFE6 - 60	100	60	36	32	6	10	16	M5 x 0.8P	0.18
5257-S13-03206-090	ER32 SFE6 - 90	130	90	36	32	6	10	16	M5 x 0.8P	0.21
5257-S13-03208-040	ER32 SFE8 - 40	80	40	36	32	8	12	18	M6 x 1.0P	0.15
5257-S13-03208-060	ER32 SFE8 - 60	100	60	36	32	8	12	18	M6 x 1.0P	0.18
5257-S13-03208-090	ER32 SFE8 - 90	130	90	36	32	8	12	18	M6 x 1.0P	0.21
5257-S13-03210-040	ER32 SFE10 - 40	80	40	42	32	10	14	20	M8 x 1.25P	0.15
5257-S13-03210-060	ER32 SFE10 - 60	100	60	42	32	10	14	20	M8 x 1.25P	0.18
5257-S13-03210-090	ER32 SFE10 - 90	130	90	42	32	10	14	20	M8 x 1.25P	0.21
5257-S13-03212-040	ER32 SFE12 - 40	80	40	47	32	12	16	20	M10 x 1.5P	0.15
5257-S13-03212-060	ER32 SFE12 - 60	100	60	47	32	12	16	20	M10 x 1.5P	0.18
5257-S13-03212-090	ER32 SFE12 - 90	130	90	47	32	12	16	20	M10 x 1.5P	0.21

Features:

- ▶ High rigidity.
- ▶ Best runout (T.I.R): 5μm.
- ▶ Slim design.
- ▶ Easy operation.
- ▶ Used for ER collet chucks.

Preset Screw

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Cleaning



Wipe the chuck body carefully to maintain good precision.

Measurement



Measure the tolerance of cutter's shank and make sure the tolerance is correspondent with "Permissible tolerance for SYIC's Shrink Fit"

Heating



1.Put Shrink Fit chuck on the tool adapter.



2.Select the ID of the Shrink Fit chuck on the touch screen.



3.Press heat button for heating.



4.After the heating cycle is done, the air cooling cycle will be activated automatically.

Remark:

- The operation steps of Shrink Fit machines are varied from different brands. Please read the operation guide before using.

MEMO

