

SHRINK FIT CATEGORY

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BT / SFC SHRINK FIT CHUCK	L-5~9
BT / SFCT SHRINK FIT CHUCK	L-10~16
CAT / SFC SHRINK FIT CHUCK	L-17~20
DAT / SFC SHRINK FIT CHUCK	L-21~25
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ShrinkSTATION HEATING MACHINE

ShrinkSTATION 加熱器



MODEL NO.	POWER	MAX. POWER	FUSE	SIZE (CM)	SUITABLE CUTTER MATERIAL	DIAMETER RANGE OF CUTTER	WEIGHT (KGS)
00400	3 phase, 480V~208V, 60Hz	13000W	16A	43x34x55	Solid carbide	3mm~32mm	31.5

Features:

- ▶ Automatic 90 PSI air cooling.
- ▶ Used with carbide cutting tools from 3mm to 32mm (1/8" to 1-1/4").
- ▶ Change tools in 15~25 seconds (shank dia. 3~20mm).
- ▶ Easy-operation touch screen.
- ▶ Automatic tool holder lift and down.
- ▶ By changing adapters, workable for various shrink fit holders: #30 taper, #40 taper, #50 taper, HSK40, 50, 63, and PSC40, 50, and 63. HSK100 can be heated without using adapters.
- ▶ Applicable for extended tools up to 500mm gauge length by transport adapter.
- ▶ Box dimensions: 51cmx 47cmx 62cm.

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
transport adapter for extended lengths	1
thermal insulated glove	1

SHRINK-FIT MACHINE

SFC 電磁誘導加熱器



SHRINK FIT

PAT NO. 3110096
PAT NO. 3110095
PAT NO. M284472
PAT NO. M247320
ZL 200320116467X



MODEL NO.	TYPE	MAX. POWER	FUSE	SIZE (mm)	SUITABLE CUTTER MATERIAL	DIAMETER RANGE OF CUTTER	WEIGHT (KGS)
00301 - A	220V x 60HZ 1phase	3000W	15A	430 x 470 x 790	Tungsten steel	$\phi 3 \sim \phi 20$	20

Features:

- ▶ Used with carbide cutting tools from 3mm to 20mm (1/8"~3/4").
- ▶ Automatic air cooling. Preset cooling time is 3 minutes. For urgent use, press reset button to reheat and change tools while air cooling reaches 1 minute.
- ▶ By changing adapters, workable for various shrink fit holders: #30 taper, #40 taper, #50 taper, HSK40, 50, 63 and PSC40, 50, 63. HSK100 can be heated without using adapters.
- ▶ Before heating the shrink fit holders, please make sure the tool shank tolerance is h6.

Standard Accessories Included with Machine

MODEL NO.	SPINDLE TYPE	Fig
00151	# 30	1
00152	# 40	1
00153	# 50	1
00157	HSK 40, PSC 40	1
00158	HSK 50, PSC 50	1
00159	HSK 63, PSC 63	1
MODEL NO.	DIMENSION	Fig
00301 - 01.1	$\phi 3 \sim \phi 5$	2
00301 - 01.2	$\phi 6 \sim \phi 12$	2
00301 - 01.3	$\phi 14 \sim \phi 20$	2

Optional

MODEL NO.	DIMENSION	Fig
00175	$\phi 3 \sim \phi 12$	3

Tool holder transfer stand



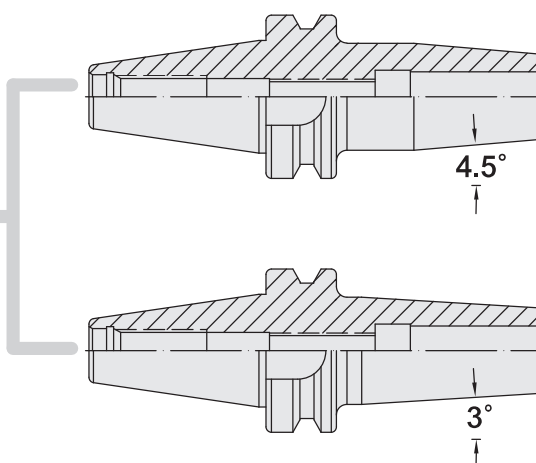
SHRINK FIT CHUCK SERIES

Standard



[w/o coolant hole]

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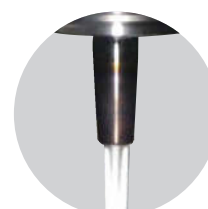
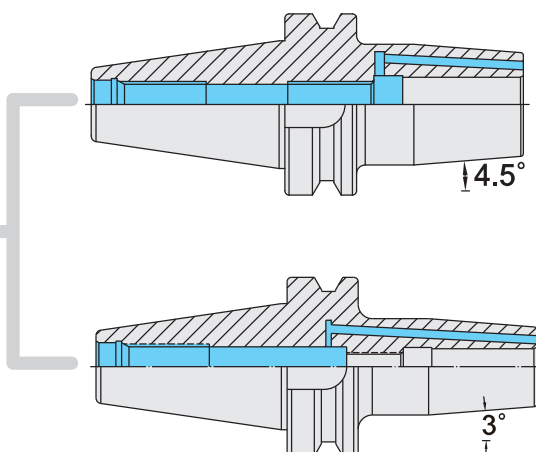


CP Type

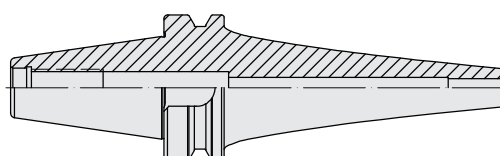


[with coolant hole]

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CUL Type



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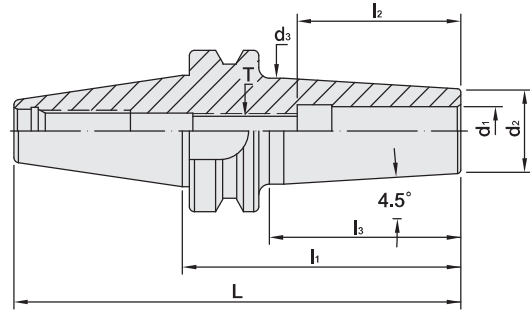
BT / SFC SHRINK FIT CHUCK

4.5°

BT / SFC 熱膨脹刀桿



T W PAT NO. M284478
J P PAT NO. 3134091
J P PAT NO. 3200356
T R PAT NO. TR 200703317 Y
D E PAT NO. Nr.202007006594.9
U S PAT NO. US75564618.2



MODEL NO.	TYPE	L	l ₁	l ₂	l ₃	d ₁	d ₂	d ₃	T	TORQUE N.m min	WEIGHT (KGS)
19302	BT30 x SFC3 - 60	108.4	60	18	33	3	10	15.2	M6	18	0.43
19303	BT30 x SFC3 - 80	128.4	80	18	48	3	10	17.6	M6	18	0.53
19304	BT30 x SFC4 - 60	108.4	60	20	33	4	10	15.2	M6	18	0.55
19305	BT30 x SFC4 - 80	128.4	80	20	53	4	10	17.6	M6	18	0.62
19306	BT30 x SFC5 - 60	108.4	60	20	33	5	10	15.2	M6	18	0.67
19307	BT30 x SFC5 - 80	128.4	80	20	53	5	10	17.6	M6	18	0.61
19308	BT30 x SFC6 - 60	108.4	60	36	33	6	23	28.2	M5	18	0.70
19309	BT30 x SFC6 - 80	128.4	80	36	53	6	21	27	M5	18	0.86
19310	BT30 x SFC8 - 60	108.4	60	36	33	8	23	28.2	M6	35	0.52
19311	BT30 x SFC8 - 80	128.4	80	36	53	8	21	27	M6	35	0.58
19312	BT30 x SFC10 - 60	108.4	60	42	35	10	27	29.4	M8	65	0.52
19313	BT30 x SFC10 - 80	128.4	80	42	53	10	24	32	M8	65	0.64
19314	BT30 x SFC12 - 60	108.4	60	47	36	12	27	32.6	M10	110	0.52
19315	BT30 x SFC12 - 80	128.4	80	47	53	12	24	32	M10	110	0.62
19316	BT30 x SFC14 - 65	113.4	65	47	41	14	30	36.4	M10	150	0.57
19317	BT30 x SFC14 - 80	128.4	80	47	55	14	27	34	M10	150	0.69
19318	BT30 x SFC16 - 65	113.4	65	50	41	16	30	36.4	M12	200	0.55
19319	BT30 x SFC16 - 80	128.4	80	50	55	16	27	34	M12	200	0.65
19320	BT30 x SFC18 - 70	118.4	70	50	46	18	35.5	40.5	M12	250	0.72
19321	BT30 x SFC18 - 90	138.4	90	50	66	18	33	40.5	M12	250	0.87
19322	BT30 x SFC20 - 70	118.4	70	52	46	20	35.5	40.5	M16	320	0.70
19323	BT30 x SFC20 - 90	138.4	90	52	66	20	33	40.5	M16	320	0.81

Features:

- ▶ High rigidity. ▶ T.I.R.: within 5 μ. ▶ Slim design. ▶ Easy operation.

Product information:

- ▶ We accept special order of the design with 6 threaded holes for balance with balancing screws.
- ▶ Balance: G2.5 25,000 rpm. 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	Preset Screw
	
P.W-54~55	P.W-82



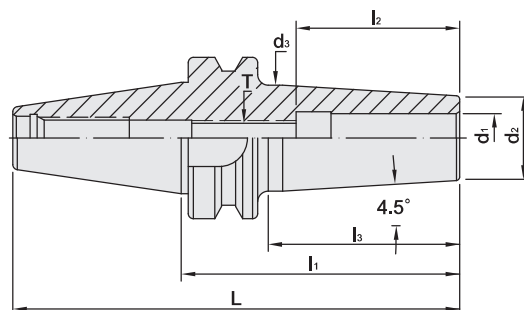
BT / SFC SHRINK FIT CHUCK

4.5°

BT / SFC 熱膨脹刀桿



T W PAT NO. M284478
J P PAT NO. 3134091
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T R PAT NO. TR 200703317 Y
D E PAT NO. Nr.202007006594.9
U S PAT NO. US75564618.2



MODEL NO.	TYPE	L	l ₁	l ₂	l ₃	d ₁	d ₂	d ₃	T	TORQUE N.m min	WEIGHT (KGS)
19332	BT40 x SFC3 - 90	155.4	90	18	53.6	3	10	18.4	M6	18	1.07
19334	BT40 x SFC4 - 90	155.4	90	20	53.6	4	10	18.4	M6	18	1.07
19336	BT40 x SFC5 - 90	155.4	90	20	53.6	5	10	18.4	M6	18	1.07
19338	BT40 x SFC6 - 90	155.4	90	36	53	6	21	27	M5	18	1.23
19339	BT40 x SFC6 - 130	195.4	130	36	93	6	21	27	M5	18	1.41
19339 - 160	BT40 x SFC6 - 160	225.4	160	36	93	6	21	27	M5	18	1.54
19339 - 200	BT40 x SFC6 - 200	265.4	200	36	133	6	21	27	M5	18	1.72
19340	BT40 x SFC8 - 90	155.4	96	36	53	8	21	27	M6	35	1.23
19341	BT40 x SFC8 - 130	195.4	130	36	93	8	21	27	M6	35	1.41
19341 - 160	BT40 x SFC8 - 160	225.4	160	36	93	8	21	27	M6	35	1.54
19341 - 200	BT40 x SFC8 - 200	265.4	200	36	133	8	21	27	M6	35	1.72
19342	BT40 x SFC10 - 90	155.4	90	42	53	10	24	32	M8	65	1.48
19343	BT40 x SFC10 - 130	195.4	130	42	93	10	24	32	M8	65	1.66
19343 - 160	BT40 x SFC10 - 160	225.4	160	42	93	10	24	32	M8	65	1.79
19343 - 200	BT40 x SFC10 - 200	265.4	200	42	133	10	24	32	M8	65	1.97
19344	BT40 x SFC12 - 90	155.4	90	47	53	12	27	32	M10	110	1.68
19345	BT40 x SFC12 - 130	195.4	130	47	93	12	27	32	M10	110	1.86
19345 - 160	BT40 x SFC12 - 160	225.4	160	47	93	12	27	32	M10	110	1.99
19345 - 200	BT40 x SFC12 - 200	265.4	200	47	133	12	27	32	M10	110	2.17
19346	BT40 x SFC14 - 90	155.4	90	47	53	14	27	34	M10	150	1.76
19347	BT40 x SFC14 - 130	195.4	130	47	93	14	27	34	M10	150	1.94
19347 - 160	BT40 x SFC14 - 160	225.4	160	47	93	14	27	34	M10	150	2.07
19347 - 200	BT40 x SFC14 - 200	265.4	200	47	133	14	27	34	M10	150	2.25

Features:

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Product information:

- ▶ We accept special order of the design with 6 threaded holes for balance with balancing screws.
- ▶ Balance: G2.5 25,000 rpm. 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	Preset Screw
	
P.W-54~55	P.W-82

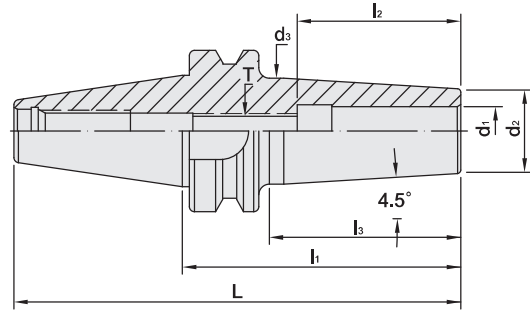
BT / SFC SHRINK FIT CHUCK

4.5°

BT / SFC 熱膨脹刀桿



T W PAT NO. M284478
J P PAT NO. 3134091
J P PAT NO. 3200356
T R PAT NO. TR 200703317 Y
D E PAT NO. Nr.202007006594.9
U S PAT NO. US75564618.2



MODEL NO.	TYPE	L	l ₁	l ₂	l ₃	d ₁	d ₂	d ₃	T	TORQUE N.m min	WEIGHT (KGS)
19348	BT40 x SFC16 - 90	191.8	90	50	53	16	27	34	M12	200	1.57
19349	BT40 x SFC16 - 130	231.8	130	50	93	16	27	34	M12	200	1.75
19349 - 160	BT40 x SFC16 - 160	261.8	160	50	93	16	27	34	M12	200	1.91
19349 - 200	BT40 x SFC16 - 200	301.8	200	50	133	16	27	34	M12	200	2.06
19350	BT40 x SFC18 - 90	191.8	90	50	58	18	33	42	M12	250	2.12
19351	BT40 x SFC18 - 130	231.8	130	50	98	18	33	42	M12	250	2.31
19351 - 160	BT40 x SFC18 - 160	261.8	160	50	98	18	33	42	M12	250	2.46
19351 - 200	BT40 x SFC18 - 200	301.8	200	50	138	18	33	42	M12	250	2.61
19352	BT40 x SFC20 - 90	191.8	90	52	58	20	33	42	M16	320	2.09
19353	BT40 x SFC20 - 130	231.8	130	52	98	20	33	42	M16	320	2.28
19353 - 160	BT40 x SFC20 - 160	261.8	160	52	98	20	33	42	M16	320	2.43
19353 - 200	BT40 x SFC20 - 200	301.8	200	52	138	20	33	42	M16	320	2.57
19354	BT40 x SFC25 - 100	201.8	100	58	71	25	44	53	M20	500	1.83
19355	BT40 x SFC25 - 130	231.8	130	58	101	25	44	53	M20	500	2.34
19355 - 160	BT40 x SFC25 - 160	261.8	160	58	131	25	44	53	M20	500	2.85
19355 - 200	BT40 x SFC25 - 200	301.8	200	58	171	25	44	53	M20	500	3.53
19356	BT40 x SFC32 - 100	201.8	100	58	71	32	44	53	M20	520	1.69
19357	BT40 x SFC32 - 130	231.8	130	58	101	32	44	53	M20	520	2.21
19357 - 160	BT40 x SFC32 - 160	261.8	160	58	131	32	44	53	M20	520	2.71
19357 - 200	BT40 x SFC32 - 200	301.8	200	58	171	32	44	53	M20	520	3.39

Features:

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- ▶ Balance: G2.5 25,000 rpm. 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.

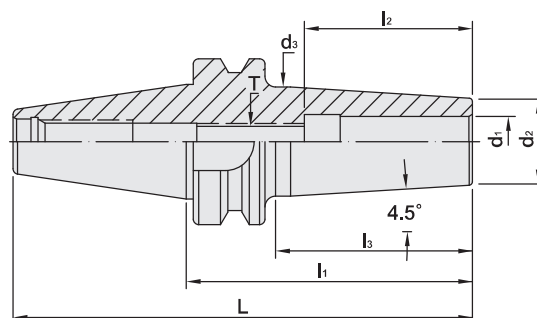
Pull Stud	Preset Screw
	
P.W-54~55	P.W-82



BT / SFC SHRINK FIT CHUCK

4.5°

BT / SFC 熱膨脹刀桿



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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)
19361	BT50 x SFC4 - 100	201.8	100	20	52	4	10	18.4	M6	18	3.52
19361 - 130	BT50 x SFC4 - 130	231.8	130	20	82	4	10	18.4	-	18	3.57
19361 - 160	BT50 x SFC4 - 160	261.8	160	20	112	4	10	18.4	-	18	3.62
19361 - 200	BT50 x SFC4 - 200	301.8	200	20	152	4	10	18.4	-	18	3.69
19362	BT50 x SFC6 - 100	201.8	100	36	52	6	21	27	M5	18	3.75
19363	BT50 x SFC6 - 130	231.8	130	36	82	6	21	27	M5	18	3.94
19363 - 160	BT50 x SFC6 - 160	261.8	160	36	112	6	21	27	M5	18	4.07
19363 - 200	BT50 x SFC6 - 200	301.8	200	36	152	6	21	27	M5	18	4.24
19364	BT50 x SFC8 - 100	201.8	100	36	52	8	21	27	M6	35	3.74
19365	BT50 x SFC8 - 130	231.8	130	36	82	8	21	27	M6	35	3.93
19365 - 160	BT50 x SFC8 - 160	261.8	160	36	112	8	21	27	M6	35	4.06
19365 - 200	BT50 x SFC8 - 200	301.8	200	36	152	8	21	27	M6	35	4.23
19366	BT50 x SFC10 - 100	201.8	100	42	52	10	24	32	M8	65	3.82
19367	BT50 x SFC10 - 130	231.8	130	42	82	10	24	32	M8	65	4.05
19367 - 160	BT50 x SFC10 - 160	261.8	160	42	112	10	24	32	M8	65	4.18
19367 - 200	BT50 x SFC10 - 200	301.8	200	42	152	10	24	32	M8	65	4.35
19368	BT50 x SFC12 - 100	201.8	100	47	52	12	24	32	M10	110	3.81
19369	BT50 x SFC12 - 130	231.8	130	47	82	12	24	32	M10	110	4.04
19369 - 160	BT50 x SFC12 - 160	261.8	160	47	112	12	24	32	M10	110	4.17
19369 - 200	BT50 x SFC12 - 200	301.8	200	47	152	12	24	32	M10	110	4.34
19370	BT50 x SFC14 - 100	201.8	100	47	52	14	27	34	M10	150	3.88
19371	BT50 x SFC14 - 130	231.8	130	47	82	14	27	34	M10	150	4.11
19371 - 160	BT50 x SFC14 - 160	261.8	160	47	112	14	27	34	M10	150	4.24
19371 - 200	BT50 x SFC14 - 200	301.8	200	47	152	14	27	34	M10	150	4.41

Features:

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- ▶ Balance: G2.5 25,000 rpm. 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

Preset Screw



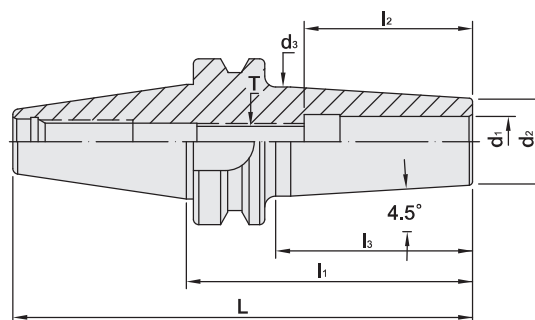
P.W-54~55

P.W-82

BT / SFC SHRINK FIT CHUCK

4.5°

BT / SFC 熱膨脹刀桿



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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)
19372	BT50 x SFC16 - 100	201.8	100	50	52	16	27	34	M12	200	3.90
19373	BT50 x SFC16 - 130	231.8	130	50	82	16	27	34	M12	200	4.09
19373 - 160	BT50 x SFC16 - 160	261.8	160	50	112	16	27	34	M12	200	4.26
19373 - 200	BT50 x SFC16 - 200	301.8	200	50	152	16	27	34	M12	200	4.43
19374	BT50 x SFC18 - 100	201.8	100	50	52	18	33	42	M12	250	4.15
19375	BT50 x SFC18 - 130	231.8	130	50	82	18	33	42	M12	250	4.34
19375 - 160	BT50 x SFC18 - 160	261.8	160	50	112	18	33	42	M12	250	4.51
19375 - 200	BT50 x SFC18 - 200	301.8	200	50	152	18	33	42	M12	250	4.68
19376	BT50 x SFC20 - 100	201.8	100	52	52	20	33	42	M16	320	4.07
19377	BT50 x SFC20 - 130	231.8	130	52	82	20	33	42	M16	320	4.32
19377 - 160	BT50 x SFC20 - 160	261.8	160	52	112	20	33	42	M16	320	4.53
19377 - 200	BT50 x SFC20 - 200	301.8	200	52	152	20	33	42	M16	320	4.70
19378	BT50 x SFC25 - 100	201.8	100	58	52	25	44	53	M20	500	4.53
19379	BT50 x SFC25 - 130	231.8	130	58	82	25	44	53	M20	500	4.78
19379 - 160	BT50 x SFC25 - 160	261.8	160	58	112	25	44	53	M20	500	4.99
19379 - 200	BT50 x SFC25 - 200	301.8	200	58	152	25	44	53	M20	500	5.16
19380	BT50 x SFC32 - 100	201.8	100	58	52	32	44	53	M20	550	4.38
19381	BT50 x SFC32 - 130	231.8	130	58	82	32	44	53	M20	550	4.63
19381 - 160	BT50 x SFC32 - 160	261.8	160	58	112	32	44	53	M20	550	4.84
19381 - 200	BT50 x SFC32 - 200	301.8	200	58	152	32	44	53	M20	550	5.01

Features:

- ▶ High rigidity. ▶ T.I.R.: within 5 μ. ▶ Slim design. ▶ Easy operation.

Product information:

- ▶ We accept special order of the design with 6 threaded holes for balance with balancing screws.
- ▶ Balance: G2.5 25,000 rpm. 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

Preset Screw



P.W-54~55

P.W-82



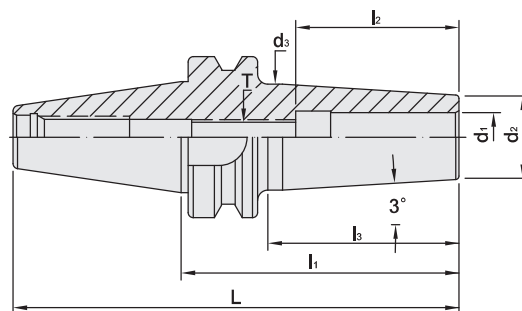
BT / SFCT SHRINK FIT CHUCK

3°

BT / SFCT 熱膨脹刀桿



T W PAT NO. M284478
J P PAT NO. 3134091
J P PAT NO. 3200356
T R PAT NO. TR 200703317 Y
D E PAT NO. Nr.202007006594.9
U S PAT NO. US75564618.2



MODEL NO.	TYPE	L	l ₁	l ₂	l ₃	d ₁	d ₂	d ₃	T	TORQUE N.m min	WEIGHT (KGS)
19102T	BT30 x SFCT4 - 80	128.4	80	20	48	4	10	15	M6	18	0.42
19104T	BT30 x SFCT5 - 80	128.4	80	20	53	5	16	19	M6	18	0.54
19106T	BT30 x SFCT6 - 80	128.4	80	36	53	6	21	26	M5	18	0.64
19108T	BT30 x SFCT8 - 80	128.4	80	36	53	8	21	26	M6	35	0.56
19110T	BT30 x SFCT10 - 80	128.4	80	42	53	10	24	29	M8	65	0.66
19112T	BT30 x SFCT12 - 80	128.4	80	47	53	12	24	29	M10	110	0.66
19114T	BT30 x SFCT14 - 80	128.4	80	47	46	14	24	32	M10	150	0.58
19116T	BT30 x SFCT16 - 80	128.4	80	50	55	16	27	32	M12	200	0.60
19118T	BT30 x SFCT18 - 90	138.4	90	50	66	18	33	38	M12	250	0.80
19120T	BT30 x SFCT20 - 90	138.4	90	52	66	20	33	38	M16	320	0.76
19122T	BT30 x SFCT25 - 100	148.4	100	58	78	25	44	49	M20	500	1.17
19130T	BT40 x SFCT3 - 90	155.4	90	18	53	3	9	14.6	M6	18	0.98
19132T	BT40 x SFCT4 - 90	155.4	90	20	53	4	10	15.6	M6	18	1.01
19134T	BT40 x SFCT5 - 90	155.4	90	20	58	5	16	21	M6	18	1.07
19136T	BT40 x SFCT6 - 90	155.4	90	36	58	6	21	26	M5	18	1.15
19138T	BT40 x SFCT8 - 90	155.4	90	36	58	8	21	26	M6	35	1.15
19140T	BT40 x SFCT10 - 90	155.4	90	42	58	10	24	29	M8	65	1.20
19142T	BT40 x SFCT12 - 90	155.4	90	47	58	12	24	29	M10	110	1.19
19144T	BT40 x SFCT14 - 90	155.4	90	47	58	14	27	32	M10	150	1.24
19146T	BT40 x SFCT16 - 90	155.4	90	50	58	16	27	32	M12	200	1.21
19148T	BT40 x SFCT18 - 100	165.4	100	50	68	18	33	38	M12	250	1.42
19188T	BT40 x SFCT19 - 90	155.4	90	60	58	19	33	38	M16	250	1.40
19150T	BT40 x SFCT20 - 100	165.4	100	52	68	20	33	38	M16	320	1.38
19186T	BT40 x SFCT24 - 90	155.4	90	72	61	24	44	49	M20	500	1.36
19152T	BT40 x SFCT25 - 100	165.4	100	58	71	25	44	49	M20	500	1.66
19154T	BT40 x SFCT32 - 100	165.4	100	58	71	32	44	49	M20	550	1.52

Features:

- High rigidity. ► T.I.R.: within 5 μ. ► Slim design. ► Easy operation.

Product information:

- We accept special order of the design with 6 threaded holes for balance with balancing screws.
- Balance: G2.5 25,000 rpm. 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	Preset Screw
	
P.W-54~55	P.W-82

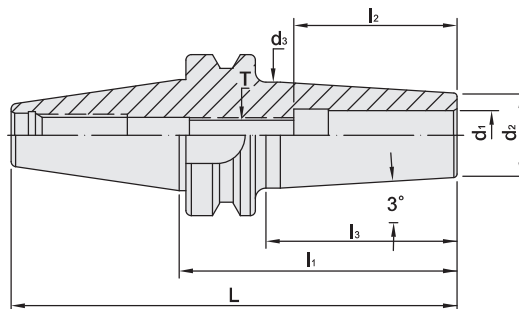
BT / SFCT SHRINK FIT CHUCK

3°

BT / SFCT 熱膨脹刀桿



T W PAT NO. M284478
J P PAT NO. 3134091
J P PAT NO. 3200356
T R PAT NO. TR 200703317 Y
D E PAT NO. Nr.202007006594.9
U S PAT NO. US75564618.2



MODEL NO.	TYPE	L	l ₁	l ₂	l ₃	d ₁	d ₂	d ₃	T	TORQUE N.m min	WEIGHT (KGS)
19162T	BT50 x SFCT4 - 100	201.8	100	20	52	4	10	15.6	M6	18	3.86
19164T	BT50 x SFCT5 - 100	201.8	100	20	57	5	16	21	M6	18	3.86
19166T	BT50 x SFCT6 - 100	201.8	100	36	57	6	21	26	M5	18	3.92
19168T	BT50 x SFCT8 - 100	201.8	100	36	52	8	21	26	M6	35	3.92
19170T	BT50 x SFCT10 - 100	201.8	100	42	58	10	24	29	M8	65	3.90
19172T	BT50 x SFCT12 - 100	201.8	100	47	52	12	24	29	M10	110	3.94
19174T	BT50 x SFCT14 - 100	201.8	100	47	57	14	27	32	M10	150	4.02
19176T	BT50 x SFCT16 - 100	201.8	100	50	52	16	27	32	M12	200	3.96
19178T	BT50 x SFCT18 - 110	211.8	110	50	62	18	33	38	M12	250	4.18
19180T	BT50 x SFCT20 - 110	211.8	110	52	67	20	33	38	M16	320	4.14
19182T	BT50 x SFCT25 - 110	211.8	110	58	67	25	44	49	M20	500	4.46
19184T	BT50 x SFCT32 - 110	211.8	110	58	67	32	44	49	M20	550	4.30

Features:

- ▶ High rigidity. ▶ T.I.R.: within 5 μ. ▶ Slim design. ▶ Easy operation.

Product information:

- ▶ We accept special order of the design with 6 threaded holes for balance with balancing screws.
- ▶ Balance: G2.5 25,000 rpm. 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	Preset Screw
	
P.W-54~55	P.W-82



BT / SFCT SHRINK FIT CHUCK

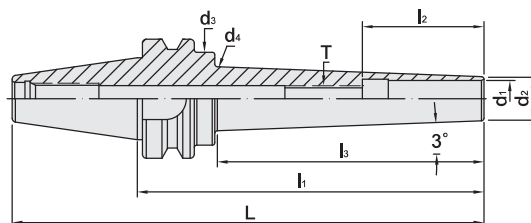
LENGTHENED TYPE

3°

BT / SFCT 熱膨脹刀桿



T W PAT NO. M284478
J P PAT NO. 3134091
J P PAT NO. 3200356
T R PAT NO. TR 200703317 Y
D E PAT NO. Nr.202007006594.9
U S PAT NO. US75564618.2



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)
19102T - 135	BT30 x SFCT4 - 135	183.4	135	20	102	4	10	26	20.6	-	18	0.54
19104T - 135	BT30 x SFCT5 - 135	183.4	135	20	102	5	11	26	21.6	-	18	0.56
19106T - 135	BT30 x SFCT6 - 135	183.4	135	36	101	6	12	26	22.6	M5	18	0.58
19108T - 135	BT30 x SFCT8 - 135	183.4	135	36	103	8	14	26	24.7	M6	35	0.62
19110T - 135	BT30 x SFCT10 - 135	183.4	135	42	108	10	16	26	-	M8	65	0.65
19112T - 135	BT30 x SFCT12 - 135	183.4	135	47	108	12	18	26	-	M10	110	0.68
19114T - 135	BT30 x SFCT14 - 135	183.4	135	47	102	14	20	36	30.6	M10	150	0.77
19116T - 135	BT30 x SFCT16 - 135	183.4	135	50	101	16	22	36	32.6	M12	200	0.81
19118T - 135	BT30 x SFCT18 - 135	183.4	135	50	102	18	24	36	34.7	M12	250	0.86
19120T - 135	BT30 x SFCT20 - 135	183.4	135	52	111	20	26	36	-	M16	320	0.89
19122T - 160	BT30 x SFCT25 - 160	208.4	160	58	136	25	31	36	-	M20	500	1.10

Features:

- ▶ High rigidity. ▶ T.I.R.: within 5 μ. ▶ Slim design. ▶ Easy operation.

Product information:

- ▶ We accept special order of the design with 6 threaded holes for balance with balancing screws.
- ▶ Balance: G2.5 25,000 rpm. 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	Preset Screw
	
P.W-54~55	P.W-82

BT / SFCT SHRINK FIT CHUCK

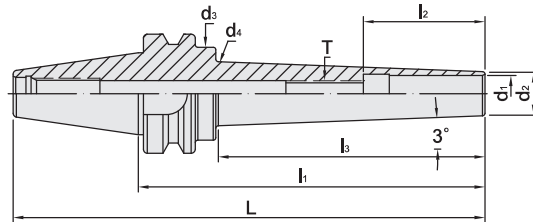
LENGTHENED TYPE

3°

BT / SFCT 熱膨脹刀桿



T W PAT NO. M284478
J P PAT NO. 3134091
J P PAT NO. 3200356
T R PAT NO. TR 200703317 Y
D E PAT NO. Nr.202007006594.9
U S PAT NO. US75564618.2



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)
19132T - 135	BT40 x SFCT4 - 135	200.4	135	20	97	4	10	26	20	-	18	1.10
19134T - 135	BT40 x SFCT5 - 135	200.4	135	20	97	5	11	26	21	-	18	1.12
19135T	BT40 x SFCT5 - 165	230.4	165	20	127	5	11	26	24	-	18	1.20
19135T - 200	BT40 x SFCT5 - 200	265.4	200	20	168	5	11	26	-	-	18	1.33
19136T - 135	BT40 x SFCT6 - 135	200.4	135	36	96	6	12	26	22	M5	18	1.12
19137T	BT40 x SFCT6 - 165	230.4	165	36	127	6	12	26	22	M5	18	1.22
19137T - 200	BT40 x SFCT6 - 200	265.4	200	36	168	6	12	26	-	M5	18	1.33
19138T - 135	BT40 x SFCT8 - 135	200.4	135	36	97	8	14	36	24	M6	35	1.20
19139T	BT40 x SFCT8 - 165	230.4	165	36	127	8	14	36	27	M6	35	1.30
19139T - 200	BT40 x SFCT8 - 200	265.4	200	36	162	8	14	36	30	M6	35	1.47
19140T - 135	BT40 x SFCT10 - 135	200.4	135	42	97	10	16	36	26	M8	65	1.22
19141T	BT40 x SFCT10 - 165	230.4	165	42	127	10	16	36	26	M8	65	1.32
19141T - 200	BT40 x SFCT10 - 200	265.4	200	42	161	10	16	36	32	M8	65	1.49
19142T - 135	BT40 x SFCT12 - 135	200.4	135	47	97	12	18	36	28	M10	110	1.26
19143T	BT40 x SFCT12 - 165	230.4	165	47	125	12	18	36	31	M10	110	1.39
19143T - 200	BT40 x SFCT12 - 200	265.4	200	47	162	12	18	36	35	M10	110	1.58

Features:

- ▶ High rigidity. ▶ T.I.R.: within 5 μ. ▶ Slim design. ▶ Easy operation.

Product information:

- ▶ We accept special order of the design with 6 threaded holes for balance with balancing screws.
- ▶ Balance: G2.5 25,000 rpm. 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	Preset Screw
	
P.W-54~55	P.W-82



BT / SFCT SHRINK FIT CHUCK

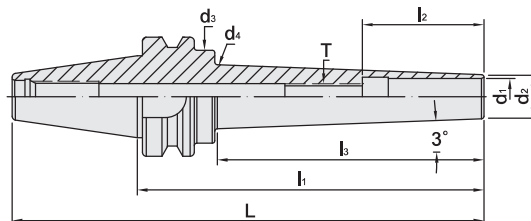
LENGTHENED TYPE

3°

BT / SFCT 熱膨脹刀桿



T W PAT NO. M284478
J P PAT NO. 3134091
J P PAT NO. 3200356
T R PAT NO. TR 200703317 Y
D E PAT NO. Nr.202007006594.9
U S PAT NO. US75564618.2



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)
19144T - 135	BT40 x SFCT14 - 135	200.4	135	47	97	14	20	36	30	M10	150	1.30
19145T	BT40 x SFCT14 - 165	230.4	165	47	126	14	20	36	33	M10	150	1.45
19145T - 200	BT40 x SFCT14 - 200	265.4	200	47	168	14	20	36	-	M10	150	1.67
19146T - 135	BT40 x SFCT16 - 135	200.4	135	50	96	16	22	36	32	M12	200	1.34
19147T	BT40 x SFCT16 - 165	230.4	165	50	127	16	22	36	35	M12	200	1.51
19147T - 200	BT40 x SFCT16 - 200	265.4	200	50	168	16	22	36	-	M12	200	1.75
19148T - 135	BT40 x SFCT18 - 135	200.4	135	52	97	18	24	36	34	M12	250	1.38
19149T	BT40 x SFCT18 - 165	230.4	165	52	133	18	24	36	-	M12	250	1.76
19149T - 200	BT40 x SFCT18 - 200	265.4	200	52	168	18	24	36	-	M12	250	1.82
19150T - 135	BT40 x SFCT20 - 135	200.4	135	52	103	20	26	36	-	M16	320	1.41
19151T	BT40 x SFCT20 - 165	230.4	165	52	133	20	26	36	-	M16	320	1.62
19151T - 200	BT40 x SFCT20 - 200	265.4	200	52	168	20	26	36	-	M16	320	1.85
19152T - 135	BT40 x SFCT25 - 135	200.4	135	58	97	25	31	49	41	M20	500	1.56
19153T	BT40 x SFCT25 - 165	230.4	165	58	127	25	31	49	44	M20	500	1.86
19153T - 200	BT40 x SFCT25 - 200	265.4	200	58	162	25	31	49	48	M20	500	2.28
19154T - 135	BT40 x SFCT32 - 135	200.4	135	58	97	32	38	49	48	M20	550	1.75
19155T	BT40 x SFCT32 - 165	230.4	165	58	136	32	38	49	-	M20	550	2.15
19155T - 200	BT40 x SFCT32 - 200	265.4	200	58	171	32	38	49	-	M20	550	2.63

Features:

- ▶ High rigidity. ▶ T.I.R.: within 5 μ. ▶ Slim design. ▶ Easy operation.

Product information:

- ▶ We accept special order of the design with 6 threaded holes for balance with balancing screws.
- ▶ Balance: G2.5 25,000 rpm. 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	Preset Screw
	
P.W-54~55	P.W-82

BT / SFCT SHRINK FIT CHUCK

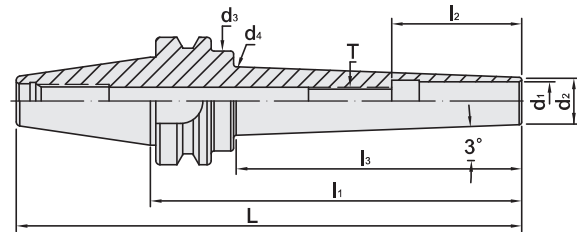
LENGTHENED TYPE

3°

BT / SFCT 熱膨脹刀桿



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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)
19162T - 135	BT50 x SFCT4 - 135	236.8	135	20	86	4	10	26	19	-	18	3.56
19164T - 135	BT50 x SFCT5 - 135	236.8	135	20	86	5	11	26	20	-	18	3.56
19165T	BT50 x SFCT5 - 165	266.8	165	20	115	5	11	26	23	-	18	3.73
19165T - 200	BT50 x SFCT5 - 200	301.8	200	20	157	5	11	26	-	-	18	3.86
19166T - 135	BT50 x SFCT6 - 135	236.8	135	36	86	6	12	26	21	M5	18	3.62
19167T	BT50 x SFCT6 - 165	266.8	165	36	116	6	12	26	24	M5	18	3.76
19167T - 200	BT50 x SFCT6 - 200	301.8	200	36	157	6	12	26	-	M5	18	3.89
19168T - 135	BT50 x SFCT8 - 135	236.8	135	36	86	8	14	36	23	M6	35	3.74
19169T	BT50 x SFCT8 - 165	266.8	165	36	116	8	14	36	26	M6	35	3.85
19169T - 200	BT50 x SFCT8 - 200	301.8	200	36	151	8	14	36	29	M6	35	4.02
19170T - 135	BT50 x SFCT10 - 135	236.8	135	42	86	10	16	36	25	M8	65	3.68
19171T	BT50 x SFCT10 - 165	266.8	165	42	116	10	16	36	28	M8	65	3.86
19171T - 200	BT50 x SFCT10 - 200	301.8	200	42	151	10	16	36	31	M8	65	4.02
19172T - 135	BT50 x SFCT12 - 135	236.8	135	47	86	12	18	36	27	M10	110	3.77
19173T	BT50 x SFCT12 - 165	266.8	165	47	116	12	18	36	30	M10	110	3.89
19173T - 200	BT50 x SFCT12 - 200	301.8	200	47	150	12	18	36	33	M10	110	4.07

Features:

- ▶ High rigidity. ▶ T.I.R.: within 5 μ. ▶ Slim design. ▶ Easy operation.

Product information:

- ▶ We accept special order of the design with 6 threaded holes for balance with balancing screws.
- ▶ Balance: G2.5 25,000 rpm. 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	Preset Screw
	
P.W-54~55	P.W-82



BT / SFCT SHRINK FIT CHUCK

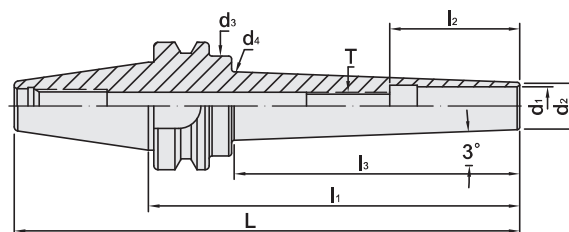
LENGTHENED TYPE

3°

BT / SFCT 熱膨脹刀桿



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D E PAT NO. Nr.202007006594.9
U S PAT NO. US75564618.2



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)
19174T - 135	BT50 x SFCT14 - 135	236.8	135	47	86	14	20	36	29	M10	150	3.81
19175T	BT50 x SFCT14 - 165	266.8	165	47	116	14	20	36	32	M10	150	3.86
19175T - 200	BT50 x SFCT14 - 200	301.8	200	47	157	14	20	36	-	M10	150	4.16
19176T - 135	BT50 x SFCT16 - 135	236.8	135	50	86	16	22	36	31	M12	200	3.82
19177T	BT50 x SFCT16 - 165	266.8	165	50	116	16	22	36	34	M12	200	3.97
19177T - 200	BT50 x SFCT16 - 200	301.8	200	50	157	16	22	36	-	M12	200	4.19
19178T - 135	BT50 x SFCT18 - 135	236.8	135	50	85	18	24	36	32	M12	250	3.88
19179T	BT50 x SFCT18 - 165	266.8	165	50	122	18	24	36	-	M12	250	4.06
19179T - 200	BT50 x SFCT18 - 200	301.8	200	50	157	18	24	36	-	M12	250	4.30
19180T - 135	BT50 x SFCT20 - 135	236.8	135	52	86	20	26	36	35	M16	320	3.86
19181T	BT50 x SFCT20 - 165	266.8	165	52	117	20	26	36	-	M16	320	4.03
19181T - 200	BT50 x SFCT20 - 200	301.8	200	52	152	20	26	36	-	M16	320	4.22
19182T - 135	BT50 x SFCT25 - 135	236.8	135	58	86	25	31	49	40	M20	500	4.03
19183T	BT50 x SFCT25 - 165	266.8	165	58	116	25	31	49	43	M20	500	4.30
19183T - 200	BT50 x SFCT25 - 200	301.8	200	58	150	25	31	49	46	M20	500	4.67
19184T - 135	BT50 x SFCT32 - 135	236.8	135	58	86	32	38	49	47	M20	550	4.18
19185T	BT50 x SFCT32 - 165	266.8	165	58	122	32	38	49	-	M20	550	4.56
19185T - 200	BT50 x SFCT32 - 200	301.8	200	58	157	32	38	49	-	M20	550	5.01

Features:

- High rigidity. ► T.I.R.: within 5 μ. ► Slim design. ► Easy operation.

Product information:

- We accept special order of the design with 6 threaded holes for balance with balancing screws.
- Balance: G2.5 25,000 rpm. 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	Preset Screw
	
P.W-54~55	P.W-82

CAT / SFC SHRINK FIT CHUCK

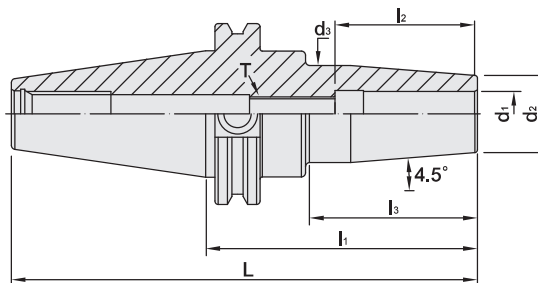
4.5°

CAT / SFC 熱膨脹刀桿



T W PAT NO. M284478
J P PAT NO. 3134091
J P PAT NO. 3200356
T R PAT NO. TR 200703317 Y
D E PAT NO. Nr.202007006594.9
U S PAT NO. US75564618.2

INCHES



MODEL NO.	TYPE	L	l ₁	l ₂	l ₃	d ₁	d ₂	d ₃	T	TORQUE N.m min	WEIGHT (KGS)
29002	CAT40 x SFC 1/8" - 3.5"	6.187	3.5	0.79	1.75	0.125	0.36	0.63	M6	18	1.03
29004	CAT40 x SFC 1/8" - 5"	7.687	5	0.79	3.56	0.125	0.36	0.87	-	18	1.11
29006	CAT40 x SFC 3/16" - 3.5"	6.187	3.5	0.79	1.75	0.1875	0.43	0.7	M6	18	1.04
29008	CAT40 x SFC 3/16" - 5"	7.687	5	0.79	3.22	0.1875	0.43	0.71	-	18	1.10
29010	CAT40 x SFC 1/4" - 3"	5.687	3	1.42	1.56	0.25	0.71	0.94	M5	18	1.09
29011	CAT40 x SFC 1/4" - 3.5"	6.187	3.5	1.42	2	0.25	0.71	0.94	M5	18	1.12
29013	CAT40 x SFC 1/4" - 5"	7.687	5	1.42	3.12	0.25	0.71	1.06	M5	18	1.29
29014	CAT40 x SFC 1/4" - 6"	8.687	6	1.42	4.44	0.25	0.71	1.37	M5	18	1.49
29016	CAT40 x SFC 5/16" - 3.5"	6.187	3.5	1.42	2.06	0.3125	0.79	1.06	M6	35	1.14
29018	CAT40 x SFC 5/16" - 5"	7.687	5	1.42	3.12	0.3125	0.79	1.06	M6	35	1.30
29020	CAT40 x SFC 3/8" - 3"	5.687	3	1.65	1.56	0.375	0.94	1.18	M8	65	1.15
29021	CAT40 x SFC 3/8" - 3.75"	6.437	3.75	1.65	2.31	0.375	0.94	1.26	M8	65	1.24
29023	CAT40 x SFC 3/8" - 5"	7.687	5	1.65	3.27	0.375	0.94	1.37	M8	65	1.46
29024	CAT40 x SFC 3/8" - 6"	8.687	6	1.65	4.44	0.375	0.94	1.37	M8	65	1.66
29026	CAT40 x SFC 1/2" - 3"	5.687	3	1.85	1.56	0.5	1.1	1.34	M10	110	1.19
29027	CAT40 x SFC 1/2" - 3.75"	6.437	3.75	1.85	2.31	0.5	1.1	1.34	M10	110	1.30
29029	CAT40 x SFC 1/2" - 5"	7.687	5	1.85	3.44	0.5	1.1	1.37	M10	110	1.52
29030	CAT40 x SFC 1/2" - 6"	8.687	6	1.85	4.35	0.5	1.1	1.37	M10	110	1.68
29032	CAT40 x SFC 5/8" - 3.75"	6.437	3.75	1.97	2.17	0.625	1.06	1.34	M12	200	1.27
29034	CAT40 x SFC 3/4" - 3"	5.687	3	2.04	1.62	0.75	1.42	1.65	M16	320	1.24
29036	CAT40 x SFC 3/4" - 4"	6.687	4	2.04	2.62	0.75	1.42	1.65	M16	320	1.49
29037	CAT40 x SFC 3/4" - 5"	7.687	5	2.04	3.44	0.75	1.26	1.37	M16	320	1.48
29038	CAT40 x SFC 3/4" - 6"	8.687	6	2.04	4.44	0.75	1.26	1.37	M16	320	1.64
29040	CAT40 x SFC 1" - 3"	5.687	3	2.09	1.62	1	1.81	2.04	M20	500	1.34
29042	CAT40 x SFC 1" - 4"	6.687	4	2.28	2.62	1	1.81	2.09	M20	500	1.73
29044	CAT40 x SFC 1" - 6"	8.687	6	2.28	4.54	1	1.81	2.09	M20	500	2.51
29046	CAT40 x SFC 1-1/4" - 4"	6.687	4	2.28	2.62	1.25	1.81	2.09	M20	500	1.60

Features:

- High rigidity. ► T.I.R.: within 5 μ. ► Slim design. ► Easy operation.

Product information:

- We accept special order of the design with 6 threaded holes for balance with balancing screws.
- Balance: G2.5 25,000 rpm. 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	Preset Screw
	
P.W-56	P.W-82



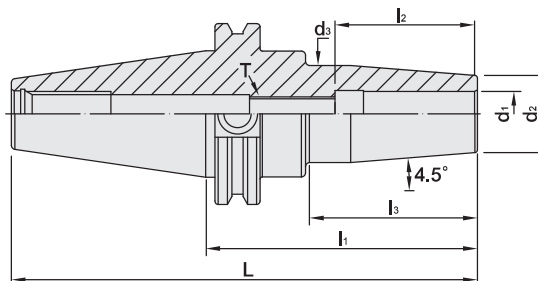
CAT / SFC SHRINK FIT CHUCK

4.5°

CAT / SFC 熱膨脹刀桿



T W PAT NO. M284478
J P PAT NO. 3134091
J P PAT NO. 3200356
T R PAT NO. TR 200703317 Y
D E PAT NO. Nr.202007006594.9
U S PAT NO. US75564618.2



INCHES

MODEL NO.	TYPE	L	l ₁	l ₂	l ₃	d ₁	d ₂	d ₃	T	TORQUE N.m min	WEIGHT (KGS)
29052	CAT50 x SFC 3/16" - 3.54"	7.54	3.54	0.79	1.98	0.1875	0.43	0.74	M6	18	3.04
29054	CAT50 x SFC 1/4" - 3.54"	7.54	3.54	1.42	2.04	0.25	0.71	1.03	M5	18	3.13
29056	CAT50 x SFC 5/16" - 3.54"	7.54	3.54	1.42	2.04	0.3125	0.79	1.06	M6	35	3.15
29058	CAT50 x SFC 3/8" - 3.94"	7.94	3.94	1.65	2.36	0.375	0.94	1.26	M8	65	3.27
29060	CAT50 x SFC 1/2" - 3.94"	7.94	3.94	1.85	2.36	0.5	1.1	1.34	M10	110	3.33
29062	CAT50 x SFC 5/8" - 3.94"	7.94	3.94	1.97	2.36	0.625	1.06	1.34	M12	200	3.29
29064	CAT50 x SFC 3/4" - 4.13"	8.13	4.13	2.04	2.71	0.75	1.42	1.65	M16	320	3.52
29066	CAT50 x SFC 3/4" - 6"	10	6	2.04	3.91	0.75	1.42	1.65	M16	320	4.03
29068	CAT50 x SFC 1" - 4.13"	8.13	4.13	2.28	2.71	1	1.81	2.09	M20	500	3.81
29070	CAT50 x SFC 1" - 6"	10	6	2.28	4.12	1	1.81	2.09	M20	500	4.56
29072	CAT50 x SFC 1-1/4" - 4.13"	8.13	4.13	2.28	2.63	1.25	1.81	2.09	M20	500	3.68
29074	CAT50 x SFC 1-1/4" - 4.72"	8.72	4.72	2.28	3.22	1.25	1.81	2.09	M20	550	3.90
29076	CAT50 x SFC 1-1/4" - 6"	10	6	2.28	4.12	1.25	1.81	2.09	M20	550	4.43

Features:

- High rigidity. ► T.I.R.: within 5 μ . ► Slim design. ► Easy operation.

Product information:

- We accept special order of the design with 6 threaded holes for balance with balancing screws.
- Balance: G2.5 25,000 rpm. 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	Preset Screw
	
P.W-56	P.W-82

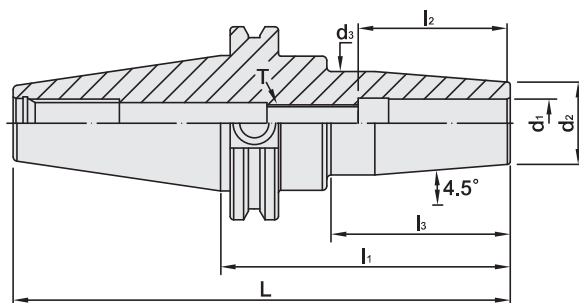
CAT / SFC SHRINK FIT CHUCK

4.5°

CAT / SFC 熱膨脹刀桿



T W PAT NO. M284478
J P PAT NO. 3134091
J P PAT NO. 3200356
T R PAT NO. TR 200703317 Y
D E PAT NO. Nr.202007006594.9
U S PAT NO. US75564618.2



MODEL NO.	TYPE	L	l ₁	l ₂	l ₃	d ₁	d ₂	d ₃	T	TORQUE N.m min	WEIGHT (KGS)
29202	CAT40 x SFC3 - 100	168.249	100	18	55	3	9	17.7	M8	18	1.04
29204	CAT40 x SFC4 - 100	168.249	100	20	55	4	10	18.7	M8	18	1.06
29206	CAT40 x SFC5 - 100	168.249	100	20	60	5	16	22	M8	18	1.12
29208	CAT40 x SFC6 - 100	168.249	100	36	54	6	21	27	M5	18	1.23
29210	CAT40 x SFC6 - 150	218.249	150	36	104	6	21	27	M5	18	1.39
29212	CAT40 x SFC8 - 100	168.249	100	36	54	8	21	27	M6	35	1.22
29214	CAT40 x SFC8 - 150	218.249	150	36	104	8	21	27	M6	35	1.39
29216	CAT40 x SFC10 - 100	168.249	100	42	56	10	24	32	M8	65	1.28
29218	CAT40 x SFC10 - 150	218.249	150	42	106	10	24	32	M8	65	1.53
29220	CAT40 x SFC12 - 100	168.249	100	47	59	12	24	33.3	M10	110	1.27
29222	CAT40 x SFC12 - 150	218.249	150	47	104	12	24	32	M10	110	1.52
29224	CAT40 x SFC14 - 95.3	163.549	95.3	47	59	14	27	34	M10	150	1.27
29226	CAT40 x SFC14 - 100	168.249	100	47	59	14	27	34	M10	150	1.31
29228	CAT40 x SFC14 - 152.4	220.649	152.4	47	112	14	27	34	M10	150	1.62
29230	CAT40 x SFC16 - 95.3	163.549	95.3	50	54	16	27	34	M12	200	1.25
29232	CAT40 x SFC16 - 100	168.249	100	50	59	16	27	34	M12	200	1.28
29234	CAT40 x SFC16 - 160	228.249	160	50	119	16	27	34	M12	200	1.64
29236	CAT40 x SFC18 - 100	168.249	100	50	63	18	33	42	M12	250	1.43
29238	CAT40 x SFC20 - 80	148.249	80	52	42	20	33	39	M16	320	1.20

Features:

- ▶ High rigidity. ▶ T.I.R.: within 5 μ. ▶ Slim design. ▶ Easy operation.

Product information:

- ▶ We accept special order of the design with 6 threaded holes for balance with balancing screws.
- ▶ Balance: G2.5 25,000 rpm. 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	Preset Screw
	
P.W-56	P.W-82



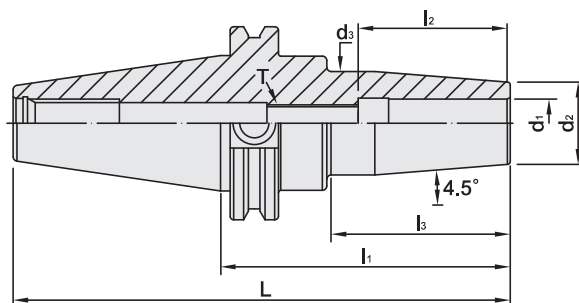
CAT / SFC SHRINK FIT CHUCK

4.5°

CAT / SFC 熱膨脹刀桿



T W PAT NO. M284478
J P PAT NO. 3134091
J P PAT NO. 3200356
T R PAT NO. TR 200703317 Y
D E PAT NO. Nr.202007006594.9
U S PAT NO. US75564618.2



MODEL NO.	TYPE	L	l ₁	l ₂	l ₃	d ₁	d ₂	d ₃	T	TORQUE N.m min	WEIGHT (KGS)
29252	CAT50 x SFC6 - 100	201.6	100	36	62	6	21	27	M5	18	3.21
29254	CAT50 x SFC6 - 150	251.6	150	36	101	6	21	27	M5	18	3.42
29256	CAT50 x SFC8 - 100	201.6	100	36	60	8	21	27	M6	35	3.21
29258	CAT50 x SFC8 - 150	251.6	150	36	101	8	21	27	M6	35	3.41
29260	CAT50 x SFC10 - 100	201.6	100	42	60	10	24	32	M8	65	3.27
29262	CAT50 x SFC10 - 150	251.6	150	42	91	10	24	32	M8	65	3.74
29264	CAT50 x SFC12 - 100	201.6	100	47	62	12	24	32	M10	110	3.26
29266	CAT50 x SFC12 - 150	251.6	150	47	91	12	24	32	M10	110	3.71
29268	CAT50 x SFC14 - 100	201.6	100	47	62	14	27	34	M10	150	3.31
29270	CAT50 x SFC14 - 150	251.6	150	47	92	14	27	34	M10	150	3.79
29272	CAT50 x SFC16 - 100	201.6	100	50	62	16	27	34	M12	200	3.29
29274	CAT50 x SFC16 - 160	261.6	160	50	102	16	27	34	M12	200	3.83
29276	CAT50 x SFC18 - 100	201.6	100	50	62	18	33	42	M12	250	3.45
29278	CAT50 x SFC20 - 80	181.6	80	52	35	20	33	42	M16	320	3.26
29280	CAT50 x SFC25 - 100	201.6	100	58	62	25	44	53	M20	500	3.69
29282	CAT50 x SFC32 - 100	201.6	100	58	62	32	44	53	M20	550	3.55

Features:

- High rigidity. ► T.I.R.: within 5 μ . ► Slim design. ► Easy operation.

Product information:

- We accept special order of the design with 6 threaded holes for balance with balancing screws.
- Balance: G2.5 25,000 rpm. 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	Preset Screw
	
P.W-56	P.W-82

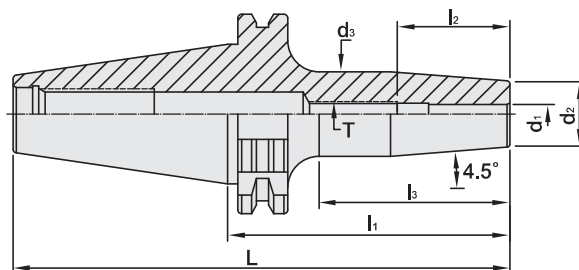
DAT / SFC SHRINK FIT CHUCK

4.5°

DAT / SFC 熱膨脹刀桿



T W PAT NO. M284478
J P PAT NO. 3134091
J P PAT NO. 3200356
T R PAT NO. TR 200703317 Y
D E PAT NO. Nr.202007006594.9
U S PAT NO. US75564618.2



MODEL NO.	TYPE	L	l ₁	l ₂	l ₃	d ₁	d ₂	d ₃	T	TORQUE N.m min	WEIGHT (KGS)
49100 - 60	DAT30 x SFC3 - 60	107.8	60	18	36.2	3	10	15.6	M6	18	0.41
49100	DAT30 x SFC3 - 80	127.8	80	18	51	3	10	17.1	M6	18	0.43
49102 - 60	DAT30 x SFC4 - 60	107.8	60	20	36.2	4	10	15.6	M6	18	0.41
49102	DAT30 x SFC4 - 80	127.8	80	20	51	4	10	18.1	M6	18	0.44
49104	DAT30 x SFC5 - 80	127.8	80	20	55	5	10	22	M6	18	0.49
49106 - 60	DAT30 x SFC6 - 60	1107.8	60	36	38.1	6	23	29	M5	18	0.53
49106	DAT30 x SFC6 - 80	127.8	80	36	55	6	21	27	M5	18	0.58
49108 - 60	DAT30 x SFC8 - 60	107.8	60	36	38.1	8	23	29	M6	35	0.52
49108	DAT30 x SFC8 - 80	127.8	80	36	55	8	21	27	M6	35	0.58
49110 - 60	DAT30 x SFC10 - 60	107.8	60	42	38.1	10	27	29	M8	65	0.56
49110	DAT30 x SFC10 - 80	127.8	80	42	55	10	24	32	M8	65	0.64
49112 - 60	DAT30 x SFC12 - 60	107.8	60	47	38.1	12	27	33	M10	110	0.56
49112	DAT30 x SFC12 - 80	127.8	80	47	55	12	24	32	M10	110	0.62
49116 - 65	DAT30 x SFC16 - 65	112.8	65	50	44.9	16	30	37	M12	200	0.64
49116	DAT30 x SFC16 - 80	127.8	80	50	55	16	27	34	M12	200	0.64
49120 - 70	DAT30 x SFC20 - 70	117.8	70	52	50	20	35.5	40.5	M16	320	0.70

Features:

- High rigidity. ► T.I.R.: within 5 μ . ► Slim design. ► Easy operation.

Product information:

- We accept special order of the design with 6 threaded holes for balance with balancing screws.
- Balance: G2.5 25,000 rpm. 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	Preset Screw
	
P.W-57	P.W-82



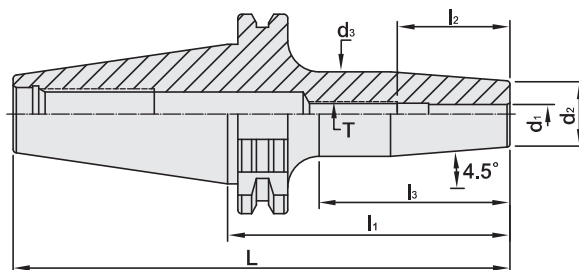
DAT / SFC SHRINK FIT CHUCK

4.5°

DAT / SFC 熱膨脹刀桿



T W PAT NO. M284478
J P PAT NO. 3134091
J P PAT NO. 3200356
T R PAT NO. TR 200703317 Y
D E PAT NO. Nr.202007006594.9
U S PAT NO. US75564618.2



MODEL NO.	TYPE	L	l ₁	l ₂	l ₃	d ₁	d ₂	d ₃	T	TORQUE N.m min	WEIGHT (KGS)
49130 - 80	DAT40 x SFC3 - 80	148.4	80	18	51.7	3	10	19.3	M6	18	0.89
49132 - 80	DAT40 x SFC4 - 80	148.4	80	20	51.7	4	10	19.3	M6	18	0.89
49134 - 80	DAT40 x SFC5 - 80	148.4	80	20	51.7	5	10	19.3	M6	18	0.89
49136 - 80	DAT40 x SFC6 - 80	148.4	80	36	55.9	6	21	27	M5	18	1.03
49136 - 130	DAT40 x SFC6 - 130	198.4	130	36	105.9	6	21	27	M5	18	1.25
49136 - 160	DAT40 x SFC6 - 160	228.4	160	36	105.9	6	21	27	M5	18	1.38
49136 - 200	DAT40 x SFC6 - 200	268.4	200	36	146	6	21	27	M5	18	1.56
49138 - 80	DAT40 x SFC8 - 80	148.4	80	36	55.9	8	21	27	M6	35	0.93
49138 - 130	DAT40 x SFC8 - 130	198.4	130	36	105.9	8	21	27	M6	35	1.24
49138 - 160	DAT40 x SFC8 - 160	228.4	160	36	105.9	8	21	27	M6	35	1.37
49138 - 200	DAT40 x SFC8 - 200	268.4	200	36	146	8	21	27	M6	35	1.55
49140 - 80	DAT40 x SFC10 - 80	148.4	80	42	55.9	10	24	32	M8	65	1.21
49140 - 130	DAT40 x SFC10 - 130	198.4	130	42	105.9	10	24	32	M8	65	1.52
49140 - 160	DAT40 x SFC10 - 160	228.4	160	42	105.9	10	24	32	M8	65	1.65
49140 - 200	DAT40 x SFC10 - 200	268.4	200	42	146	10	24	32	M8	65	1.83
49142 - 80	DAT40 x SFC12 - 80	148.4	80	47	55.9	12	24	32	M10	110	1.01
49142 - 130	DAT40 x SFC12 - 130	198.4	130	47	105.9	12	24	32	M10	110	1.50
49142 - 160	DAT40 x SFC12 - 160	228.4	160	47	105.9	12	24	32	M10	110	1.45
49142 - 200	DAT40 x SFC12 - 200	268.4	200	47	146	12	24	32	M10	110	1.81
49144 - 80	DAT40 x SFC14 - 80	148.4	80	47	55.9	14	27	34	M10	150	0.89
49144 - 130	DAT40 x SFC14 - 130	198.4	130	47	105.9	14	27	34	M10	150	1.38
49144 - 160	DAT40 x SFC14 - 160	228.4	160	47	105.9	14	27	34	M10	150	1.33
49144 - 200	DAT40 x SFC14 - 200	268.4	200	47	146	14	27	34	M10	150	1.93

Features:

- ▶ High rigidity. ▶ T.I.R.: within 5 μ. ▶ Slim design. ▶ Easy operation.

Product information:

- ▶ We accept special order of the design with 6 threaded holes for balance with balancing screws.
- ▶ Balance: G2.5 25,000 rpm. 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	Preset Screw
	
P.W-57	P.W-82

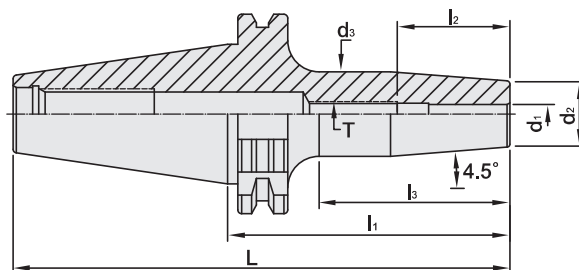
DAT / SFC SHRINK FIT CHUCK

4.5°

DAT / SFC 熱膨脹刀桿



T W PAT NO. M284478
J P PAT NO. 3134091
J P PAT NO. 3200356
T R PAT NO. TR 200703317 Y
D E PAT NO. Nr.202007006594.9
U S PAT NO. US75564618.2



MODEL NO.	TYPE	L	l ₁	l ₂	l ₃	d ₁	d ₂	d ₃	T	TORQUE N.m min	WEIGHT (KGS)
49146 - 80	DAT40 x SFC16 - 80	148.4	80	50	55.8	16	27	34	M12	200	1.09
49146 - 130	DAT40 x SFC16 - 130	198.4	130	50	105.9	16	27	34	M12	200	1.44
49146 - 160	DAT40 x SFC16 - 160	228.4	160	50	105.9	16	27	34	M12	200	1.65
49146 - 200	DAT40 x SFC16 - 200	268.4	200	50	146	16	27	34	M12	200	1.93
49148 - 80	DAT40 x SFC18 - 80	148.4	80	50	57.9	18	33	42	M12	250	1.23
49148 - 130	DAT40 x SFC18 - 130	198.4	130	50	107.9	18	33	42	M12	250	1.76
49148 - 160	DAT40 x SFC18 - 160	228.4	160	50	107.9	18	33	42	M12	250	2.08
49148 - 200	DAT40 x SFC18 - 200	268.4	200	50	147.9	18	33	42	M12	250	2.51
49150 - 80	DAT40 x SFC20 - 80	148.4	80	52	57.9	20	33	42	M16	320	1.21
49150 - 130	DAT40 x SFC20 - 130	198.4	130	52	107.9	20	33	42	M16	320	1.73
49150 - 160	DAT40 x SFC20 - 160	228.4	160	52	107.9	20	33	42	M16	320	2.06
49150 - 200	DAT40 x SFC20 - 200	268.4	200	52	147.9	20	33	42	M16	320	2.48
49152 - 100	DAT40 x SFC25 - 100	168.4	80	58	80.9	25	44	53	M20	500	1.79
49152 - 130	DAT40 x SFC25 - 130	198.4	130	58	110.9	25	44	53	M20	500	2.31
49152 - 160	DAT40 x SFC25 - 160	228.4	160	58	140.9	25	44	53	M20	500	2.81
49152 - 200	DAT40 x SFC25 - 200	268.4	200	58	180.9	25	44	53	M20	500	3.49
49154 - 100	DAT40 x SFC32 - 100	168.4	100	58	80.9	32	44	53	M20	550	1.65

Features:

- ▶ High rigidity. ▶ T.I.R.: within 5 μ. ▶ Slim design. ▶ Easy operation.

Product information:

- ▶ We accept special order of the design with 6 threaded holes for balance with balancing screws.
- ▶ Balance: G2.5 25,000 rpm. 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	Preset Screw
	
P.W-57	P.W-82



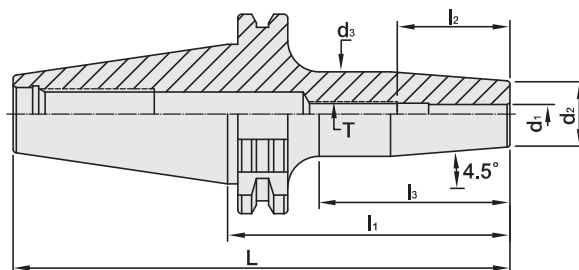
DAT / SFC SHRINK FIT CHUCK

4.5°

DAT / SFC 熱膨脹刀桿



T W PAT NO. M284478
J P PAT NO. 3134091
J P PAT NO. 3200356
T R PAT NO. TR 200703317 Y
D E PAT NO. Nr.202007006594.9
U S PAT NO. US75564618.2



MODEL NO.	TYPE	L	l ₁	l ₂	l ₃	d ₁	d ₂	d ₃	T	TORQUE N.m min	WEIGHT (KGS)
49166 - 80	DAT50 x SFC6 - 80	181.75	80	36	50.9	6	21	27	M5	18	2.81
49166 - 130	DAT50 x SFC6 - 130	231.75	130	36	100.9	6	21	27	M5	18	3.03
49166 - 160	DAT50 x SFC6 - 160	261.75	160	36	100.9	6	21	27	M5	18	3.17
49166 - 200	DAT50 x SFC6 - 200	301.75	200	36	141	6	21	27	M5	18	3.34
49168 - 80	DAT50 x SFC8 - 80	181.75	80	36	50.9	8	21	27	M6	35	2.80
49168 - 130	DAT50 x SFC8 - 130	231.75	130	36	100.9	8	21	27	M6	35	3.02
49168 - 160	DAT50 x SFC8 - 160	261.75	160	36	100.9	8	21	27	M6	35	3.16
49168 - 200	DAT50 x SFC8 - 200	301.75	200	36	141	8	21	27	M6	35	3.33
49170 - 80	DAT50 x SFC10 - 80	181.75	80	42	50.9	10	24	32	M8	65	2.53
49170 - 130	DAT50 x SFC10 - 130	231.75	130	42	100.9	10	24	32	M8	65	2.75
49170 - 160	DAT50 x SFC10 - 160	261.75	160	42	100.9	10	24	32	M8	65	2.89
49170 - 200	DAT50 x SFC10 - 200	301.75	200	42	141	10	24	32	M8	65	3.60
49172 - 80	DAT50 x SFC12 - 80	181.75	80	47	50.9	12	24	32	M10	110	2.52
49172 - 130	DAT50 x SFC12 - 130	231.75	130	47	100.9	12	24	32	M10	110	2.74
49172 - 160	DAT50 x SFC12 - 160	261.75	160	47	100.9	12	24	32	M10	110	2.88
49172 - 200	DAT50 x SFC12 - 200	301.75	200	47	141	12	24	32	M10	110	3.59
49174 - 80	DAT50 x SFC14 - 80	181.75	80	47	50.9	14	27	34	M10	150	2.38
49174 - 130	DAT50 x SFC14 - 130	231.75	130	47	100.9	14	27	34	M10	150	2.60
49174 - 160	DAT50 x SFC14 - 160	261.75	160	47	100.9	14	27	34	M10	150	2.74
49174 - 200	DAT50 x SFC14 - 200	301.75	200	47	141	14	27	34	M10	150	3.73

Features:

- ▶ High rigidity. ▶ T.I.R.: within 5 μ. ▶ Slim design. ▶ Easy operation.

Product information:

- ▶ We accept special order of the design with 6 threaded holes for balance with balancing screws.
- ▶ Balance: G2.5 25,000 rpm. 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	Preset Screw
	
P.W-57	P.W-82

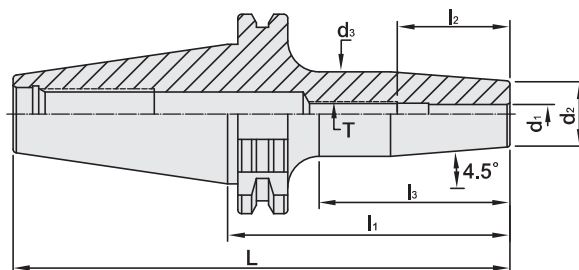
DAT / SFC SHRINK FIT CHUCK

4.5°

DAT / SFC 熱膨脹刀桿



T W PAT NO. M284478
J P PAT NO. 3134091
J P PAT NO. 3200356
T R PAT NO. TR 200703317 Y
D E PAT NO. Nr.202007006594.9
U S PAT NO. US75564618.2



MODEL NO.	TYPE	L	l ₁	l ₂	l ₃	d ₁	d ₂	d ₃	T	TORQUE N.m min	WEIGHT (KGS)
49176 - 80	DAT50 x SFC16 - 80	181.75	80	50	50.9	16	27	34	M12	200	2.87
49176 - 130	DAT50 x SFC16 - 130	231.75	130	50	100.9	16	27	34	M12	200	3.22
49176 - 160	DAT50 x SFC16 - 160	261.75	160	50	100.9	16	27	34	M12	200	3.43
49176 - 200	DAT50 x SFC16 - 200	301.75	200	50	141	16	27	34	M12	200	3.71
49178 - 80	DAT50 x SFC18 - 80	181.75	80	50	57.9	18	33	42	M12	250	2.99
49178 - 130	DAT50 x SFC18 - 130	231.75	130	50	100.9	18	33	42	M12	250	3.55
49178 - 160	DAT50 x SFC18 - 160	261.75	160	50	100.9	18	33	42	M12	250	3.87
49178 - 200	DAT50 x SFC18 - 200	301.75	200	50	141	18	33	42	M12	250	4.30
49180 - 80	DAT50 x SFC20 - 80	181.75	80	52	57.9	20	33	42	M16	320	2.91
49180 - 130	DAT50 x SFC20 - 130	231.75	130	52	100.9	20	33	42	M16	320	3.25
49180 - 160	DAT50 x SFC20 - 160	261.75	160	52	100.9	20	33	42	M16	320	3.57
49180 - 200	DAT50 x SFC20 - 200	301.75	200	52	141	20	33	42	M16	320	4.27
49182 - 100	DAT50 x SFC25 - 100	201.75	100	58	70.9	25	44	53	M20	500	3.59
49182 - 130	DAT50 x SFC25 - 130	231.75	130	58	100.9	25	44	53	M20	500	4.10
49182 - 160	DAT50 x SFC25 - 160	261.75	160	58	100.9	25	44	53	M20	500	4.61
49182 - 200	DAT50 x SFC25 - 200	301.75	200	58	141	25	44	53	M20	500	5.29
49184 - 100	DAT50 x SFC32 - 100	201.75	100	58	70.9	32	44	53	M20	550	3.45

Features:

- ▶ High rigidity. ▶ T.I.R.: within 5 μ. ▶ Slim design. ▶ Easy operation.

Product information:

- ▶ We accept special order of the design with 6 threaded holes for balance with balancing screws.
- ▶ Balance: G2.5 25,000 rpm. 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	Preset Screw
	
P.W-57	P.W-82



SBT / SFC SHRINK FIT CHUCK

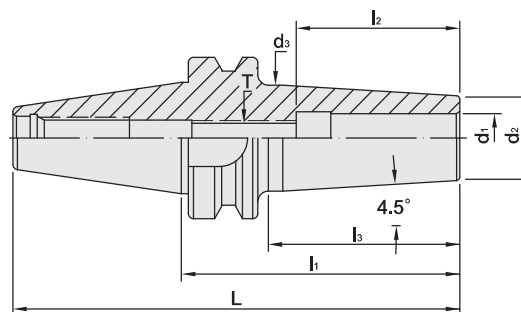
Dual
DRIVE+

4.5°

SBT / SFC 法蘭加厚型熱膨脹刀桿



T W PAT NO. M284478
J P PAT NO. 3134091
J P PAT NO. 3200356
T R PAT NO. TR 200703317 Y
D E PAT NO. Nr.202007006594.9
U S PAT NO. US75564618.2



MODEL NO.	TYPE	L	l ₁	l ₂	l ₃	d ₁	d ₂	d ₃	T	TORQUE N.m min	WEIGHT (KGS)
25.651.06.060	SBT30 x SFC6 - 60	108.4	60	36	33	6	23	-	M5	18	0.70
25.651.06.080	SBT30 x SFC6 - 80	128.4	80	36	53	6	21	27	M5	18	0.86
25.651.08.060	SBT30 x SFC8 - 60	108.4	60	36	33	8	23	-	M6	35	0.52
25.651.08.080	SBT30 x SFC8 - 80	128.4	80	36	53	8	21	27	M6	35	0.58
25.651.10.060	SBT30 x SFC10 - 60	108.4	60	42	35	10	27	-	M8	65	0.52
25.651.10.080	SBT30 x SFC10 - 80	128.4	80	42	53	10	24	32	M8	65	0.64
25.651.12.060	SBT30 x SFC12 - 60	108.4	60	47	36	12	27	-	M10	110	0.52
25.651.12.080	SBT30 x SFC12 - 80	128.4	80	47	53	12	24	32	M10	110	0.62
25.651.14.065	SBT30 x SFC14 - 65	113.4	65	47	41	14	30	-	M10	150	0.57
25.651.14.080	SBT30 x SFC14 - 80	128.4	80	47	55	14	27	34	M10	150	0.69
25.651.16.065	SBT30 x SFC16 - 65	113.4	65	50	41	16	30	-	M12	200	0.55
25.651.16.080	SBT30 x SFC16 - 80	128.4	80	50	55	16	27	34	M12	200	0.65
25.651.18.070	SBT30 x SFC18 - 70	118.4	70	50	46	18	35.5	40.5	M12	250	0.72
25.651.18.090	SBT30 x SFC18 - 90	138.4	90	50	66	18	33	40.5	M12	250	0.87
25.651.20.070	SBT30 x SFC20 - 70	118.4	70	52	46	20	35.5	40.5	M16	320	0.70
25.651.20.090	SBT30 x SFC20 - 90	138.4	90	52	66	20	33	40.5	M16	320	0.81

Features:

- ▶ High rigidity. ▶ T.I.R.: within 5 μ. ▶ Slim design. ▶ Easy operation.

Product information:

- ▶ We accept special order of the design with 6 threaded holes for balance with balancing screws.
- ▶ Balance: G2.5 25,000 rpm. 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

Preset Screw



P.W-54~55

P.W-82

SBT / SFC SHRINK FIT CHUCK

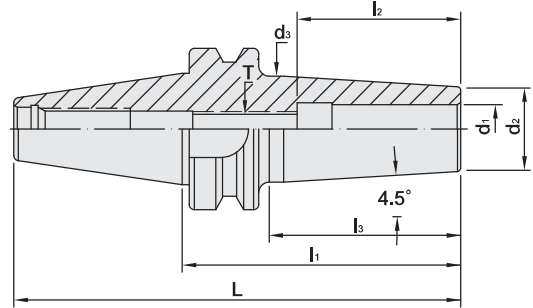
Dual
DRIVE+

4.5°

SBT / SFC 法蘭加厚型熱膨脹刀桿



T W PAT NO. M284478
J P PAT NO. 3134091
J P PAT NO. 3200356
T R PAT NO. TR 200703317 Y
D E PAT NO. Nr.202007006594.9
U S PAT NO. US75564618.2



MODEL NO.	TYPE	L	l ₁	l ₂	l ₃	d ₁	d ₂	d ₃	T	TORQUE N.m min	WEIGHT (KGS)
26.651.03.090	SBT40 x SFC3 - 90	155.4	90	18	53	3	9	14.6	M6	18	0.98
26.651.04.090	SBT40 x SFC4 - 90	155.4	90	20	53	4	10	15.6	M6	18	1.01
26.651.06.090	SBT40 x SFC6 - 90	155.4	90	36	53	6	21	27	M5	18	1.23
26.651.06.130	SBT40 x SFC6 - 130	195.4	130	36	93	6	21	27	M5	18	1.41
26.651.06.160	SBT40 x SFC6 - 160	225.4	160	36	93	6	21	27	M5	18	1.54
26.651.06.200	SBT40 x SFC6 - 200	265.4	200	36	133	6	21	27	M5	18	1.72
26.651.08.090	SBT40 x SFC8 - 90	155.4	90	36	53	8	21	27	M6	35	1.23
26.651.08.130	SBT40 x SFC8 - 130	195.4	130	36	93	8	21	27	M6	35	1.41
26.651.08.160	SBT40 x SFC8 - 160	225.4	160	36	93	8	21	27	M6	35	1.54
26.651.08.200	SBT40 x SFC8 - 200	265.4	200	36	133	8	21	27	M6	35	1.72
26.651.10.090	SBT40 x SFC10 - 90	155.4	90	42	53	10	24	32	M8	65	1.48
26.651.10.130	SBT40 x SFC10 - 130	195.4	130	42	93	10	24	32	M8	65	1.66
26.651.10.160	SBT40 x SFC10 - 160	225.4	160	42	93	10	24	32	M8	65	1.79
26.651.10.200	SBT40 x SFC10 - 200	265.4	200	42	133	10	24	32	M8	65	1.97
26.651.12.090	SBT40 x SFC12 - 90	155.4	90	47	53	12	27	32	M10	110	1.68
26.651.12.130	SBT40 x SFC12 - 130	195.4	130	47	93	12	27	32	M10	110	1.86
26.651.12.160	SBT40 x SFC12 - 160	225.4	160	47	93	12	27	32	M10	110	1.99
26.651.12.200	SBT40 x SFC12 - 200	265.4	200	47	133	12	27	32	M10	110	2.17
26.651.14.090	SBT40 x SFC14 - 90	155.4	90	47	53	14	27	34	M10	150	1.76
26.651.14.130	SBT40 x SFC14 - 130	195.4	130	47	93	14	27	34	M10	150	1.94
26.651.14.160	SBT40 x SFC14 - 160	261.8	47	47	93	14	27	34	M10	150	2.07
26.651.14.200	SBT40 x SFC14 - 200	301.8	47	47	133	14	27	34	M10	150	2.25

Features:

- High rigidity. ► T.I.R.: within 5 µ. ► Slim design. ► Easy operation.

Product information:

- We accept special order of the design with 6 threaded holes for balance with balancing screws.
- Balance: G2.5 25,000 rpm. 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	Preset Screw
	
P.W-54~55	P.W-82



SBT / SFC SHRINK FIT CHUCK

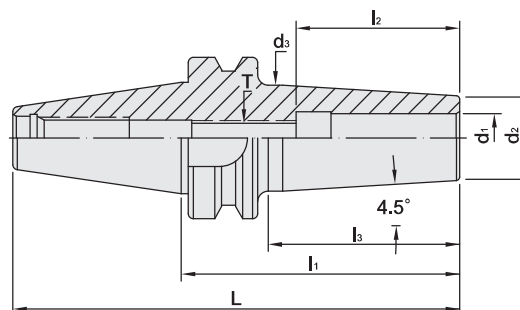
Dual
DRIVE+

4.5°

SBT / SFC 法蘭加厚型熱膨脹刀桿



T W PAT NO. M284478
J P PAT NO. 3134091
J P PAT NO. 3200356
T R PAT NO. TR 200703317 Y
D E PAT NO. Nr.202007006594.9
U S PAT NO. US75564618.2



MODEL NO.	TYPE	L	l ₁	l ₂	l ₃	d ₁	d ₂	d ₃	T	TORQUE N.m min	WEIGHT (KGS)
26.651.16.090	SBT40 x SFC16 - 90	155.4	90	50	53	16	27	34	M12	200	1.57
26.651.16.130	SBT40 x SFC16 - 130	195.4	130	50	93	16	27	34	M12	200	1.75
26.651.16.160	SBT40 x SFC16 - 160	225.4	160	50	93	16	27	34	M12	200	1.91
26.651.16.200	SBT40 x SFC16 - 200	265.4	200	50	133	16	27	34	M12	200	2.06
26.651.18.090	SBT40 x SFC18 - 90	155.4	90	50	58	18	33	42	M12	250	2.12
26.651.18.130	SBT40 x SFC18 - 130	195.4	130	50	98	18	33	42	M12	250	2.31
26.651.18.160	SBT40 x SFC18 - 160	225.4	160	50	98	18	33	42	M12	250	2.46
26.651.18.200	SBT40 x SFC18 - 200	265.4	200	50	138	18	33	42	M12	250	2.61
26.651.19.090	SBT40 x SFC19 - 90	155.4	90	60	61.5	19	33	42	M16	250	1.35
26.651.20.090	SBT40 x SFC20 - 90	155.4	90	52	58	20	33	42	M16	320	2.09
26.651.20.130	SBT40 x SFC20 - 130	195.4	130	52	98	20	33	42	M16	320	2.28
26.651.20.160	SBT40 x SFC20 - 160	225.4	160	52	98	20	33	42	M16	320	2.43
26.651.20.200	SBT40 x SFC20 - 200	265.4	200	52	138	20	33	42	M16	320	2.57
26.651.24.090	SBT40 x SFC24 - 90	155.4	90	72	61.5	24	44	53	M20	500	1.59
26.651.25.100	SBT40 x SFC25 - 100	165.4	100	58	71	25	44	53	M20	500	1.83
26.651.25.130	SBT40 x SFC25 - 130	195.4	130	58	101	25	44	53	M20	500	2.34
26.651.25.160	SBT40 x SFC25 - 160	225.4	160	58	131	25	44	53	M20	500	2.85
26.651.25.200	SBT40 x SFC25 - 200	265.4	200	58	171	25	44	53	M20	500	3.53
26.651.32.100	SBT40 x SFC32 - 100	165.4	100	58	71	32	44	53	M20	520	1.69
26.651.32.130	SBT40 x SFC32 - 130	195.4	130	58	101	32	44	53	M20	520	2.21
26.651.32.160	SBT40 x SFC32 - 160	225.4	160	58	131	32	44	53	M20	520	2.71
26.651.32.200	SBT40 x SFC32 - 200	265.4	200	58	171	32	44	53	M20	520	3.39

Features:

- ▶ High rigidity. ▶ T.I.R.: within 5 μ. ▶ Slim design. ▶ Easy operation.

Product information:

- ▶ We accept special order of the design with 6 threaded holes for balance with balancing screws.
- ▶ Balance: G2.5 25,000 rpm. 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

Preset Screw



P.W-54~55

P.W-82

SBT / SFC SHRINK FIT CHUCK

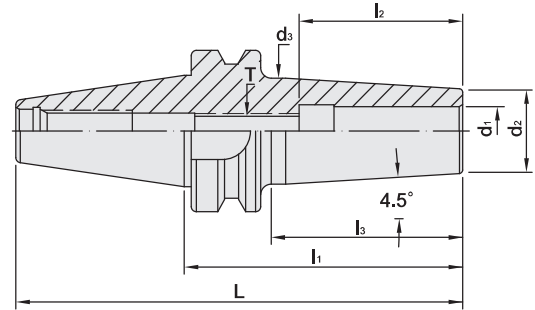
Dual
DRIVE+

4.5°

SBT / SFC 法蘭加厚型熱膨脹刀桿



T W PAT NO. M284478
J P PAT NO. 3134091
J P PAT NO. 3200356
T R PAT NO. TR 200703317 Y
D E PAT NO. Nr.202007006594.9
U S PAT NO. US75564618.2



MODEL NO.	TYPE	L	l ₁	l ₂	l ₃	d ₁	d ₂	d ₃	T	TORQUE N.m min	WEIGHT (KGS)
27.651.06.100	SBT50 x SFC6 - 100	201.8	100	36	52	6	21	27	M5	18	3.75
27.651.06.130	SBT50 x SFC6 - 130	231.8	130	36	82	6	21	27	M5	18	3.94
27.651.06.160	SBT50 x SFC6 - 160	261.8	160	36	82	6	21	27	M5	18	4.07
27.651.06.200	SBT50 x SFC6 - 200	301.8	200	36	122	6	21	27	M5	18	4.24
27.651.08.100	SBT50 x SFC8 - 100	201.8	100	36	52	8	21	27	M6	35	3.74
27.651.08.130	SBT50 x SFC8 - 130	231.8	130	36	82	8	21	27	M6	35	3.93
27.651.08.160	SBT50 x SFC8 - 160	261.8	160	36	82	8	21	27	M6	35	4.06
27.651.08.200	SBT50 x SFC8 - 200	301.8	200	36	122	8	21	27	M6	35	4.23
27.651.10.100	SBT50 x SFC10 - 100	201.8	100	42	52	10	24	32	M8	65	3.82
27.651.10.130	SBT50 x SFC10 - 130	231.8	130	42	82	10	24	32	M8	65	4.05
27.651.10.160	SBT50 x SFC10 - 160	261.8	160	42	82	10	24	32	M8	65	4.18
27.651.10.200	SBT50 x SFC10 - 200	301.8	200	42	122	10	24	32	M8	65	4.35
27.651.12.100	SBT50 x SFC12 - 100	201.8	100	47	52	12	24	32	M10	110	3.81
27.651.12.130	SBT50 x SFC12 - 130	231.8	130	47	82	12	24	32	M10	110	4.04
27.651.12.160	SBT50 x SFC12 - 160	261.8	60	47	82	12	24	32	M10	110	4.17
27.651.12.200	SBT50 x SFC12 - 200	301.8	200	47	122	12	24	32	M10	110	4.34
27.651.14.100	SBT50 x SFC14 - 100	201.8	100	47	52	14	27	34	M10	150	3.88
27.651.14.130	SBT50 x SFC14 - 130	231.8	130	47	82	14	27	34	M10	150	4.11
27.651.14.160	SBT50 x SFC14 - 160	261.8	160	47	82	14	27	34	M10	150	4.24
27.651.14.200	SBT50 x SFC14 - 200	301.8	200	47	122	14	27	34	M10	150	4.41

Features:

- High rigidity. ► T.I.R.: within 5 μ . ► Slim design. ► Easy operation.

Product information:

- We accept special order of the design with 6 threaded holes for balance with balancing screws.
- Balance: G2.5 25,000 rpm. 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	Preset Screw
	
P.W-54~55	P.W-82



SBT / SFC SHRINK FIT CHUCK

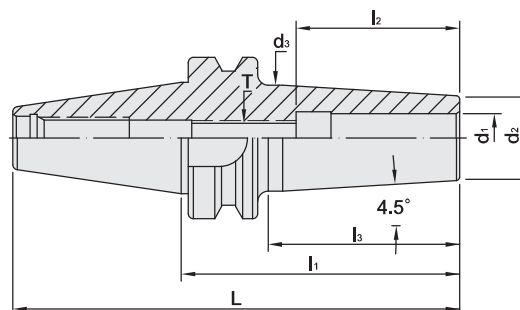
Dual
DRIVE+

4.5°

SBT / SFC 法蘭加厚型熱膨脹刀桿



T W PAT NO. M284478
J P PAT NO. 3134091
J P PAT NO. 3200356
T R PAT NO. TR 200703317 Y
D E PAT NO. Nr.202007006594.9
U S PAT NO. US75564618.2



MODEL NO.	TYPE	L	l ₁	l ₂	l ₃	d ₁	d ₂	d ₃	T	TORQUE N.m min	WEIGHT (KGS)
27.651.16.100	SBT50 x SFC16 - 100	201.8	100	50	52	16	27	34	M12	200	3.90
27.651.16.130	SBT50 x SFC16 - 130	231.8	130	50	82	16	27	34	M12	200	4.09
27.651.16.160	SBT50 x SFC16 - 160	261.8	160	50	82	16	27	34	M12	200	4.26
27.651.16.200	SBT50 x SFC16 - 200	301.8	200	50	122	16	27	34	M12	200	4.43
27.651.18.100	SBT50 x SFC18 - 100	201.8	100	50	52	18	33	42	M12	250	4.15
27.651.18.130	SBT50 x SFC18 - 130	231.8	130	50	82	18	33	42	M12	250	4.34
27.651.18.160	SBT50 x SFC18 - 160	261.8	160	50	82	18	33	42	M12	250	4.51
27.651.18.200	SBT50 x SFC18 - 200	301.8	200	50	122	18	33	42	M12	250	4.68
27.651.19.100	SBT50 x SFC19 - 100	201.8	100	60	60	19	33	42	M16		4.00
27.651.24.100	SBT50 x SFC24 - 100	201.8	100	72	60	24	44	53	M20		4.21
27.651.20.100	SBT50 x SFC20 - 100	201.8	100	52	52	20	33	42	M16	320	4.07
27.651.20.130	SBT50 x SFC20 - 130	231.8	130	52	82	20	33	42	M16	320	4.32
27.651.20.160	SBT50 x SFC20 - 160	261.8	160	52	82	20	33	42	M16	320	4.53
27.651.20.200	SBT50 x SFC20 - 200	301.8	200	52	122	20	33	42	M16	320	4.70
27.651.25.100	SBT50 x SFC25 - 100	201.8	100	58	52	25	44	53	M20	500	4.53
27.651.25.130	SBT50 x SFC25 - 130	231.8	130	58	82	25	44	53	M20	500	4.78
27.651.25.160	SBT50 x SFC25 - 160	261.8	160	58	82	25	44	53	M20	500	4.99
27.651.25.200	SBT50 x SFC25 - 200	301.8	200	58	122	25	44	53	M20	500	5.16
27.651.32.100	SBT50 x SFC32 - 100	201.8	100	58	52	32	44	53	M20	550	4.38
27.651.32.130	SBT50 x SFC32 - 130	231.8	130	58	82	32	44	53	M20	550	4.63
27.651.32.160	SBT50 x SFC32 - 160	261.8	160	58	82	32	44	53	M20	550	4.84
27.651.32.200	SBT50 x SFC32 - 200	301.8	200	58	122	32	44	53	M20	550	5.01

Features:

- ▶ High rigidity. ▶ T.I.R.: within 5 μ. ▶ Slim design. ▶ Easy operation.

Product information:

- ▶ We accept special order of the design with 6 threaded holes for balance with balancing screws.
- ▶ Balance: G2.5 25,000 rpm. 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	Preset Screw
	
P.W-54~55	P.W-82

SBT / SFCT SHRINK FIT CHUCK

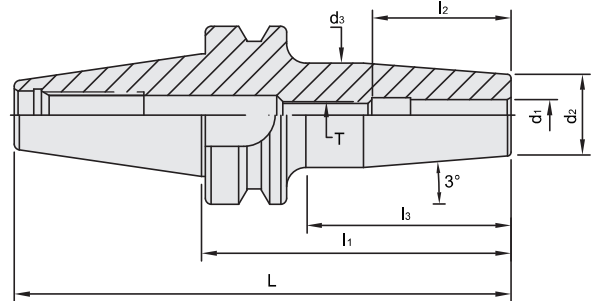
Dual
DRIVE+

3°

SBT / SFCT 法蘭加厚型熱膨脹刀桿



T W PAT NO. M284478
J P PAT NO. 3134091
J P PAT NO. 3200356
T R PAT NO. TR 200703317 Y
D E PAT NO. Nr.202007006594.9
U S PAT NO. US75564618.2



MODEL NO.	TYPE	L	l ₁	l ₂	l ₃	d ₁	d ₂	d ₃	T	TORQUE N.m min	WEIGHT (KGS)
25.651T.04.080	SBT30 x SFCT4 - 80	128.4	80	20	48	4	10	15	M6	18	0.42
25.651T.05.080	SBT30 x SFCT5 - 80	128.4	80	20	53	5	16	19	M6	18	0.54
25.651T.06.080	SBT30 x SFCT6 - 80	128.4	80	36	53	6	21	26	M5	18	0.64
25.651T.08.080	SBT30 x SFCT8 - 80	128.4	80	36	53	8	21	26	M6	35	0.56
25.651T.10.080	SBT30 x SFCT10 - 80	128.4	80	42	53	10	24	29	M8	65	0.66
25.651T.12.080	SBT30 x SFCT12 - 80	128.4	80	47	53	12	24	29	M10	110	0.66
25.651T.14.080	SBT30 x SFCT14 - 80	128.4	80	47	46	14	24	32	M10	150	0.58
25.651T.16.080	SBT30 x SFCT16 - 80	128.4	80	50	55	16	27	32	M12	200	0.60
25.651T.18.090	SBT30 x SFCT18 - 90	138.4	90	50	66	18	33	38	M12	250	0.80
25.651T.20.090	SBT30 x SFCT20 - 90	138.4	90	52	66	20	33	38	M16	320	0.76
25.651T.25.100	SBT30 x SFCT25 - 100	148.4	100	58	78	25	44	49	M20	500	1.17
26.651T.03.090	SBT40 x SFCT3 - 90	155.4	90	18	53	3	9	14.6	M6	18	0.99
26.651T.04.090	SBT40 x SFCT4 - 90	155.4	90	20	53	4	10	15.6	M6	18	1.01
26.651T.05.090	SBT40 x SFCT5 - 90	155.4	90	20	58	5	16	21	M6	18	1.07
26.651T.06.090	SBT40 x SFCT6 - 90	155.4	90	36	58	6	21	26	M5	18	1.15
26.651T.08.090	SBT40 x SFCT8 - 90	155.4	90	36	58	8	21	26	M6	35	1.15
26.651T.10.090	SBT40 x SFCT10 - 90	155.4	90	42	58	10	24	29	M8	65	1.20
26.651T.12.090	SBT40 x SFCT12 - 90	155.4	90	47	58	12	24	29	M10	110	1.19
26.651T.14.090	SBT40 x SFCT14 - 90	155.4	90	47	58	14	27	32	M10	150	1.24
26.651T.16.090	SBT40 x SFCT16 - 90	155.4	90	50	58	16	27	32	M12	200	1.21
26.651T.18.100	SBT40 x SFCT18 - 100	165.4	100	50	68	18	33	38	M12	250	1.42
26.651T.20.100	SBT40 x SFCT20 - 100	165.4	100	52	68	20	33	38	M16	320	1.38
26.651T.25.100	SBT40 x SFCT25 - 100	165.4	100	58	71	25	44	49	M20	500	1.66
26.651T.32.100	SBT40 x SFCT32 - 100	165.4	100	58	71	32	44	49	M20	550	1.52

Features:

- High rigidity. ► T.I.R.: within 5 μ. ► Slim design. ► Easy operation.

Product information:

- We accept special order of the design with 6 threaded holes for balance with balancing screws.
- Balance: G2.5 25,000 rpm. 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	Preset Screw
	
P.W-54~55	P.W-82



SBT / SFCT SHRINK FIT CHUCK

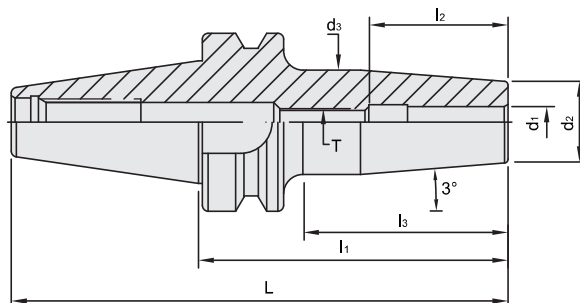
Dual
DRIVE+

3°

SBT / SFCT 法蘭加厚型熱膨脹刀桿



T W PAT NO. M284478
J P PAT NO. 3134091
J P PAT NO. 3200356
T R PAT NO. TR 200703317 Y
D E PAT NO. Nr.202007006594.9
U S PAT NO. US75564618.2



MODEL NO.	TYPE	L	l ₁	l ₂	l ₃	d ₁	d ₂	d ₃	T	TORQUE N.m min	WEIGHT (KGS)
27.651T.04.100	SBT50 x SFCT4 - 100	201.8	100	20	52	4	10	15.6	M6	18	3.86
27.651T.05.100	SBT50 x SFCT5 - 100	201.8	100	20	57	5	16	21	M6	18	3.86
27.651T.06.100	SBT50 x SFCT6 - 100	201.8	100	36	57	6	21	26	M5	18	3.92
27.651T.08.100	SBT50 x SFCT8 - 100	201.8	100	36	52	8	21	26	M6	35	3.92
27.651T.10.100	SBT50 x SFCT10 - 100	201.8	100	42	58	10	24	29	M8	65	3.90
27.651T.12.100	SBT50 x SFCT12 - 100	201.8	100	47	52	12	24	29	M10	110	3.94
27.651T.14.100	SBT50 x SFCT14 - 100	201.8	100	47	57	14	27	32	M10	150	4.02
27.651T.16.100	SBT50 x SFCT16 - 100	201.8	100	50	52	16	27	32	M12	200	3.96
27.651T.18.110	SBT50 x SFCT18 - 110	211.8	110	50	62	18	33	38	M12	250	4.18
27.651T.20.110	SBT50 x SFCT20 - 110	211.8	110	52	67	20	33	38	M16	320	4.14
27.651T.25.110	SBT50 x SFCT25 - 110	211.8	110	58	67	25	44	49	M20	500	4.46
27.651T.32.110	SBT50 x SFCT32 - 110	211.8	110	58	67	32	44	49	M20	550	4.30

Features:

- ▶ High rigidity. ▶ T.I.R.: within 5 μ. ▶ Slim design. ▶ Easy operation.

Product information:

- ▶ We accept special order of the design with 6 threaded holes for balance with balancing screws.
- ▶ Balance: G2.5 25,000 rpm. 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.

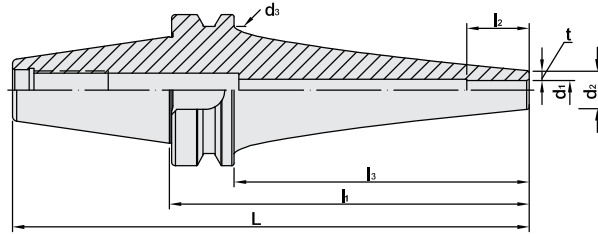
Pull Stud	Preset Screw
	
P.W-54~55	P.W-82

SBT / SFC SHRINK FIT CHUCK

CUL TYPE



SBT / 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)
26.768.04.150	SBT40 x SFC4 - 150CUL	215.4	150	10	123	4	10	53	3	1.4
26.768.04.200	SBT40 x SFC4 - 200CUL	265.4	200	10	173	4	10	53	3	1.7
26.768.04.250	SBT40 x SFC4 - 250CUL	315.4	250	10	223	4	10	53	3	2.2
26.768.06.150	SBT40 x SFC6 - 150CUL	215.4	150	26	123	6	13	53	3.5	1.5
26.768.06.200	SBT40 x SFC6 - 200CUL	265.4	200	26	173	6	13	53	3.5	1.7
26.768.08.150	SBT40 x SFC8 - 150CUL	215.4	150	26	123	8	16	53	4	1.6
26.768.08.200	SBT40 x SFC8 - 200CUL	265.4	200	26	173	8	16	53	4	1.8
26.768.08.250	SBT40 x SFC8 - 250CUL	315.4	250	26	223	8	16	53	4	2.0
26.768.10.150	SBT40 x SFC10 - 150CUL	215.4	150	32	123	10	19	53	4.5	1.6
26.768.10.200	SBT40 x SFC10 - 200CUL	265.4	200	32	173	10	19	53	4.5	1.8
26.768.10.250	SBT40 x SFC10 - 250CUL	315.4	250	32	223	10	19	53	4.5	2.0
26.768.12.150	SBT40 x SFC12 - 150CUL	215.4	150	37	123	12	22	53	5	1.7
26.768.12.200	SBT40 x SFC12 - 200CUL	265.4	200	37	173	12	22	53	5	1.8
26.768.12.250	SBT40 x SFC12 - 250CUL	315.4	250	37	223	12	22	53	5	2.0

Features:

- ▶ The most ideal tool holder design for 5 axis machining centers.
- ▶ Unique curved design avoids interference effectively.
- ▶ The design of slim nose and short overhanging length of cutter extends tool use life.
- ▶ The design of thick neck improves the rigidity during machining and product quality.

Product information:

- ▶ Balance: G2.5 25,000 rpm. Higher balancing grade and revolution can be done upon request but additional charge is needed.

Pull Stud	Preset Screw
	
P.W-54~55	P.W-82

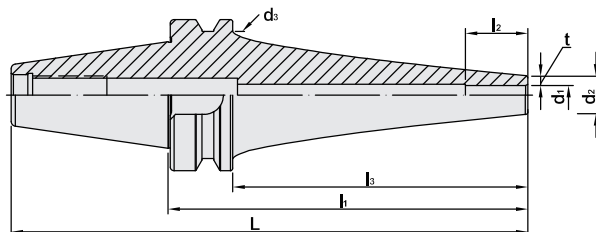


SBT / SFC SHRINK FIT CHUCK

CUL TYPE



SBT / 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)
27.768.04.150	SBT50 x SFC4 - 150CUL	251.8	150	10	112	4	10	85	3	5.3
27.768.04.200	SBT50 x SFC4 - 200CUL	301.8	200	10	162	4	10	85	3	5.8
27.768.04.250	SBT50 x SFC4 - 250CUL	351.8	250	10	212	4	10	85	3	6.3
27.768.04.300	SBT50 x SFC4 - 300CUL	401.8	300	10	262	4	10	85	3	6.7
27.768.06.150	SBT50 x SFC6 - 150CUL	251.8	150	26	112	6	13	85	3.5	5.3
27.768.06.200	SBT50 x SFC6 - 200CUL	301.8	200	26	162	6	13	85	3.5	5.9
27.768.06.250	SBT50 x SFC6 - 250CUL	351.8	250	26	212	6	13	85	3.5	6.4
27.768.06.300	SBT50 x SFC6 - 300CUL	401.8	300	26	262	6	13	85	3.5	6.8
27.768.08.150	SBT50 x SFC8 - 150CUL	251.8	150	26	112	8	16	85	4	4.9
27.768.08.200	SBT50 x SFC8 - 200CUL	301.8	200	26	162	8	16	85	4	5.5
27.768.08.250	SBT50 x SFC8 - 250CUL	351.8	250	26	212	8	16	85	4	5.8
27.768.08.300	SBT50 x SFC8 - 300CUL	401.8	300	26	262	8	16	85	4	6.1
27.768.10.150	SBT50 x SFC10 - 150CUL	251.8	150	32	112	10	20	85	4.5	5.1
27.768.10.200	SBT50 x SFC10 - 200CUL	301.8	200	32	162	10	20	85	4.5	5.4
27.768.10.250	SBT50 x SFC10 - 250CUL	351.8	250	32	212	10	20	85	4.5	6.1
27.768.10.300	SBT50 x SFC10 - 300CUL	401.8	300	32	262	10	20	85	4.5	6.4
27.768.12.150	SBT50 x SFC12 - 150CUL	251.8	150	37	112	12	22	85	5	5.1
27.768.12.200	SBT50 x SFC12 - 200CUL	301.8	200	37	162	12	22	85	5	5.6
27.768.12.250	SBT50 x SFC12 - 250CUL	351.8	250	37	212	12	22	85	5	5.8
27.768.12.300	SBT50 x SFC12 - 300CUL	401.8	300	37	262	12	22	85	5	6.3

Features:

- ▶ The most ideal tool holder design for 5 axis machining centers.
- ▶ Unique curved design avoids interference effectively.
- ▶ The design of slim nose and short overhanging length of cutter extends tool use life.
- ▶ The design of thick neck improves the rigidity during machining and product quality.

Product information:

- ▶ Balance: G2.5 25,000 rpm. Higher balancing grade and revolution can be done upon request but additional charge is needed.

Pull Stud	Preset Screw
P.W-54~55	P.W-82

SCAT / SFC SHRINK FIT CHUCK

Dual
DRIVE+

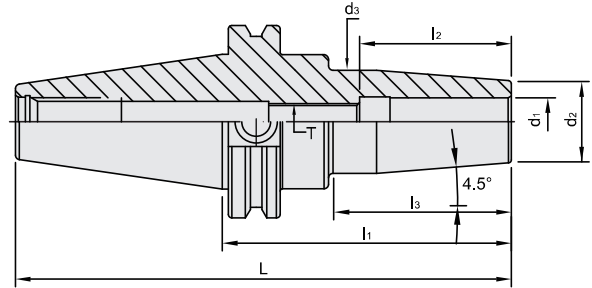
4.5°

SCAT / SFC 法蘭加厚型熱膨脹刀桿



T W PAT NO. M284478
J P PAT NO. 3134091
J P PAT NO. 3200356
T R PAT NO. TR 200703317 Y
D E PAT NO. Nr.202007006594.9
U S PAT NO. US75564618.2

INCHES



MODEL NO.	TYPE	L	l ₁	l ₂	l ₃	d ₁	d ₂	d ₃	T	WEIGHT (KGS)
43.651.52.350	SCAT40 x SFC 1/8" - 3.5"	6.187	3.5	0.79	1.76	0.125	0.36	0.64	M6	1.03
43.651.52.500	SCAT40 x SFC 1/8" - 5"	7.687	5	0.79	3.56	0.125	0.36	0.87	-	1.11
43.651.53.350	SCAT40 x SFC 3/16" - 3.5"	6.187	3.5	0.79	1.76	0.1875	0.43	0.7	M6	1.04
43.651.53.500	SCAT40 x SFC 3/16" - 5"	7.687	5	0.79	3.23	0.1875	0.43	0.71	-	1.10
43.651.54.300	SCAT40 x SFC 1/4" - 3"	5.687	3	1.42	1.56	0.25	0.71	0.95	M5	1.09
43.651.54.350	SCAT40 x SFC 1/4" - 3.5"	6.187	3.5	1.42	2	0.25	0.71	0.95	M5	1.12
43.651.54.500	SCAT40 x SFC 1/4" - 5"	7.687	5	1.42	3.12	0.25	0.71	1.06	M5	1.29
43.651.54.600	SCAT40 x SFC 1/4" - 6"	8.687	6	1.42	4.44	0.25	0.71	1.38	M5	1.49
43.651.55.350	SCAT40 x SFC 5/16" - 3.5"	6.187	3.5	1.42	2.06	0.3125	0.78	1.06	M6	1.14
43.651.55.500	SCAT40 x SFC 5/16" - 5"	7.687	5	1.42	3.12	0.3125	0.78	1.06	M6	1.30
43.651.56.300	SCAT40 x SFC 3/8" - 3"	5.687	3	1.53	1.56	0.375	0.94	1.18	M8	1.15
43.651.56.375	SCAT40 x SFC 3/8" - 3.75"	6.437	3.75	1.53	2.31	0.375	0.94	1.26	M8	1.24
43.651.56.500	SCAT40 x SFC 3/8" - 5"	7.687	5	1.53	3.28	0.375	0.94	1.38	M8	1.46
43.651.56.600	SCAT40 x SFC 3/8" - 6"	8.687	6	1.53	4.44	0.5	0.94	1.38	M8	1.66
43.651.58.300	SCAT40 x SFC 1/2" - 3"	5.687	3	1.85	1.56	0.5	1.1	1.34	M10	1.19
43.651.58.375	SCAT40 x SFC 1/2" - 3.75"	6.437	3.75	1.85	2.31	0.5	1.1	1.34	M10	1.30
43.651.58.500	SCAT40 x SFC 1/2" - 5"	7.687	5	1.85	3.44	0.5	1.1	1.38	M10	1.52
43.651.58.600	SCAT40 x SFC 1/2" - 6"	8.687	6	1.85	4.36	0.5	1.1	1.38	M10	1.68
43.651.61.375	SCAT40 x SFC 5/8" - 3.75"	6.437	3.75	1.97	2.17	0.625	1.06	1.34	M12	1.27
43.651.64.300	SCAT40 x SFC 3/4" - 3"	5.687	3	2.04	1.62	0.75	1.42	1.65	M16	1.24
43.651.64.400	SCAT40 x SFC 3/4" - 4"	6.687	4	2.04	2.62	0.75	1.42	1.65	M16	1.49
43.651.64.500	SCAT40 x SFC 3/4" - 5"	7.687	5	2.04	3.44	0.75	1.42	1.38	M16	1.48
43.651.64.600	SCAT40 x SFC 3/4" - 6"	8.687	6	2.04	4.44	0.75	1.42	1.38	M16	1.64
43.651.68.300	SCAT40 x SFC 1" - 3"	5.687	3	2.28	1.47	1	1.81	2.04	M20	1.34
43.651.68.400	SCAT40 x SFC 1" - 4"	6.687	4	2.28	2.45	1	1.81	2.09	M20	1.73
43.651.68.600	SCAT40 x SFC 1" - 6"	8.687	6	2.28	4.37	1	1.81	2.09	M20	2.51
43.651.72.400	SCAT40 x SFC 1-1/4" - 4"	6.687	4	2.28	2.45	1.25	1.81	2.09	M20	1.60

Features:

- High rigidity. ► T.I.R.: within 5 µ. ► Slim design. ► Easy operation.

Product information:

- We accept special order of the design with 6 threaded holes for balance with balancing screws.
- Balance: G2.5 25,000 rpm. 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

Preset Screw



P.W-56



P.W-82



SCAT / SFC SHRINK FIT CHUCK

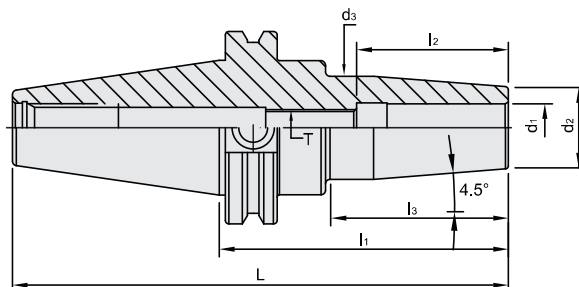
Dual
DRIVE+

4.5°

SCAT / SFC 法蘭加厚型熱膨脹刀桿



T W PAT NO. M284478
J P PAT NO. 3134091
J P PAT NO. 3200356
T R PAT NO. TR 200703317 Y
D E PAT NO. Nr.202007006594.9
U S PAT NO. US75564618.2



INCHES

MODEL NO.	TYPE	L	l ₁	l ₂	l ₃	d ₁	d ₂	d ₃	T	TORQUE N.m min	WEIGHT (KGS)
44.651.53.354	SCAT50 x SFC3/16" - 3.54"	7.54	3.54	0.79	1.98	0.1875	0.43	0.74	M6	18	3.04
44.651.54.354	SCAT50 x SFC1/4" - 3.54"	7.54	3.54	1.42	2.04	0.25	0.71	1.03	M5	18	3.13
44.651.55.354	SCAT50 x SFC5/16" - 3.54"	7.54	3.54	1.42	2.04	0.3125	0.79	1.06	M6	35	3.15
44.651.56.394	SCAT50 x SFC3/8" - 3.94"	7.94	3.94	1.65	2.36	0.375	0.94	1.26	M8	65	3.27
44.651.58.394	SCAT50 x SFC1/2" - 3.94"	7.94	3.94	1.85	2.36	0.5	1.1	1.34	M10	110	3.33
44.651.61.394	SCAT50 x SFC5/8" - 3.94"	7.94	3.94	1.97	2.36	0.625	1.06	1.34	M12	200	3.29
44.651.64.413	SCAT50 x SFC3/4" - 4.13"	8.13	4.13	2.04	2.71	0.75	1.42	1.65	M16	320	3.52
44.651.64.600	SCAT50 x SFC3/4" - 6"	10	6	2.04	3.91	0.75	1.42	1.65	M16	320	4.03
44.651.68.413	SCAT50 x SFC1" - 4.13"	8.13	4.13	2.28	2.71	1	1.81	2.09	M20	500	3.81
44.651.68.600	SCAT50 x SFC1" - 6"	10	6	2.28	4.12	1	1.81	2.09	M20	500	4.56
44.651.72.413	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
44.651.72.472	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
44.651.72.600	SCAT50 x SFC1-1/4" - 6"	10	6	2.28	4.12	1.25	1.81	2.09	M20	550	4.43

Features:

- High rigidity. ► T.I.R.: within 5 µ. ► Slim design. ► Easy operation.

Product information:

- We accept special order of the design with 6 threaded holes for balance with balancing screws.
- Balance: G2.5 25,000 rpm. 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	Preset Screw
	
P.W-56	P.W-82

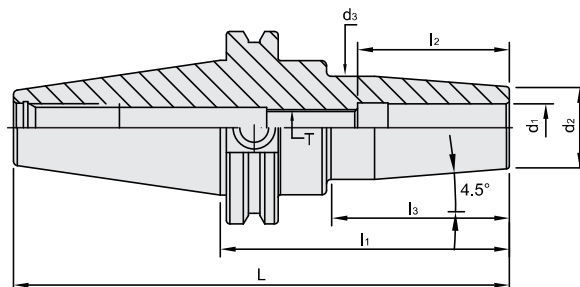
SCAT / SFC SHRINK FIT CHUCK



SCAT / SFC 法蘭加厚型熱膨脹刀桿



T W PAT NO. M284478
J P PAT NO. 3134091
J P PAT NO. 3200356
T R PAT NO. TR 200703317 Y
D E PAT NO. Nr.202007006594.9
U S PAT NO. US75564618.2



MODEL NO.	TYPE	L	l ₁	l ₂	l ₃	d ₁	d ₂	d ₃	T	WEIGHT (KGS)
43.651.03.100	SCAT40 x SFC3 - 100	168.249	100	18	55	3	9	17	M6	1.04
43.651.04.100	SCAT40 x SFC4 - 100	168.249	100	20	55	4	10	18	M6	1.06
43.651.05.100	SCAT40 x SFC5 - 100	168.249	100	20	60	5	16	22	M6	1.12
43.651.06.100	SCAT40 x SFC6 - 100	168.249	100	36	54	6	21	27	M5	1.23
43.651.06.150	SCAT40 x SFC6 - 150	218.249	150	36	104	6	21	27	M5	1.39
43.651.08.100	SCAT40 x SFC8 - 100	168.249	100	36	54	8	21	27	M6	1.22
43.651.08.150	SCAT40 x SFC8 - 150	218.249	150	36	104	8	21	27	M6	1.39
43.651.10.100	SCAT40 x SFC10 - 100	168.249	100	42	56	10	24	32	M8	1.28
43.651.10.150	SCAT40 x SFC10 - 150	218.249	150	42	107	10	24	32	M8	1.52
43.651.12.100	SCAT40 x SFC12 - 100	168.249	100	47	59	12	24	33	M10	1.27
43.651.12.150	SCAT40 x SFC12 - 150	218.249	150	47	104	12	24	32	M10	1.31
43.651.14.95.3	SCAT40 x SFC14 - 95.3	161.749	95.3	47	59	14	27	34	M10	1.62
43.651.14.152.4	SCAT40 x SFC14 - 152.4	220.649	152.4	47	112	14	27	34	M10	1.25
43.651.16.95.3	SCAT40 x SFC16 - 95.3	161.749	95.3	50	54	16	27	34	M12	1.28
43.651.16.160	SCAT40 x SFC16 - 160	228.249	160	50	59	16	27	34	M12	1.64
43.651.18.100	SCAT40 x SFC18 - 100	168.249	100	50	63	18	33	42	M12	1.43
43.651.20.080	SCAT40 x SFC20 - 80	148.249	80	52	42	20	33	39	M16	1.20

Features:

- High rigidity. ► T.I.R.: within 5 μ . ► Slim design. ► Easy operation.

Product information:

- We accept special order of the design with 6 threaded holes for balance with balancing screws.
- Balance: G2.5 25,000 rpm. 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	Preset Screw
	
P.W-56	P.W-82



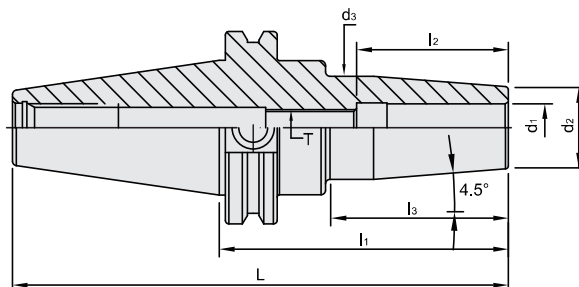
SCAT / SFC SHRINK FIT CHUCK



SCAT / SFC 法蘭加厚型熱膨脹刀桿



T W PAT NO. M284478
J P PAT NO. 3134091
J P PAT NO. 3200356
T R PAT NO. TR 200703317 Y
D E PAT NO. Nr.202007006594.9
U S PAT NO. US75564618.2



MODEL NO.	TYPE	L	l ₁	l ₂	l ₃	d ₁	d ₂	d ₃	T	WEIGHT (KGS)
44.651.06.100	SCAT50 x SFC6 - 100	201.8	100	36	62	6	21	27	M5	3.21
44.651.06.150	SCAT50 x SFC6 - 150	251.8	150	36	101	6	21	27	M5	3.42
44.651.08.100	SCAT50 x SFC8 - 100	201.8	100	36	60	8	21	27	M6	3.21
44.651.08.150	SCAT50 x SFC8 - 150	251.8	150	36	101	8	21	27	M6	3.41
44.651.10.100	SCAT50 x SFC10 - 100	201.8	100	42	60	10	24	32	M8	3.27
44.651.10.150	SCAT50 x SFC10 - 150	251.8	150	42	91	10	24	32	M8	3.74
44.651.12.100	SCAT50 x SFC12 - 100	201.8	100	47	62	12	24	32	M10	3.26
44.651.12.150	SCAT50 x SFC12 - 150	251.8	150	47	91	12	24	32	M10	3.71
44.651.14.100	SCAT50 x SFC14 - 100	201.8	100	47	62	14	27	34	M10	3.31
44.651.14.150	SCAT50 x SFC14 - 150	251.8	150	47	92	14	27	34	M10	3.79
44.651.16.100	SCAT50 x SFC16 - 100	201.8	100	50	62	16	27	34	M12	3.29
44.651.16.160	SCAT50 x SFC16 - 160	261.8	160	50	102	16	27	34	M12	3.83
44.651.18.100	SCAT50 x SFC18 - 100	201.8	100	50	62	18	33	42	M12	3.45
44.651.20.080	SCAT50 x SFC20 - 80	181.8	80	52	42	20	33	42	M16	3.26
44.651.25.100	SCAT50 x SFC25 - 100	201.8	100	58	62	25	44	53	M20	3.69
44.651.32.100	SCAT50 x SFC32 - 100	201.8	100	58	62	32	44	53	M20	3.55

Features:

- High rigidity. ► T.I.R.: within 5 μ. ► Slim design. ► Easy operation.

Product information:

- We accept special order of the design with 6 threaded holes for balance with balancing screws.
- Balance: G2.5 25,000 rpm. 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.

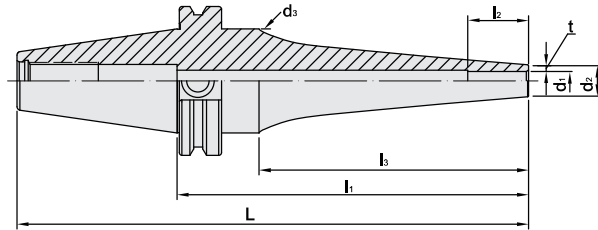
Pull Stud	Preset Screw
	
P.W-56	P.W-82

SCAT / SFC SHRINK FIT CHUCK

CUL TYPE



SCAT / SFC 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)
43.768.53.600	SCAT40 x SFC3/16" - 6"CUL	8.687	6	0.394	4.63	0.1875	0.42	1.75	0.118	1.5
43.768.53.800	SCAT40 x SFC3/16" - 8"CUL	10.687	8	0.394	6.63	0.1875	0.42	1.75	0.118	1.6
43.768.54.600	SCAT40 x SFC 1/4" - 6"CUL	8.687	6	1.024	4.63	0.25	0.53	1.75	0.138	1.5
43.768.54.800	SCAT40 x SFC 1/4" - 8"CUL	10.687	8	1.024	6.63	0.25	0.53	1.75	0.138	1.7
43.768.55.600	SCAT40 x SFC5/16" - 6"CUL	8.687	6	1.026	4.63	0.3125	0.63	1.75	0.157	1.6
43.768.55.800	SCAT40 x SFC5/16" - 8"CUL	10.687	8	1.026	6.63	0.3125	0.63	1.75	0.157	1.7
43.768.55.100	SCAT40 x SFC5/16" - 10"CUL	12.687	10	1.026	8.63	0.3125	0.63	1.75	0.157	1.8
43.768.56.600	SCAT40 x SFC3/8" - 6"CUL	8.687	6	1.259	4.63	0.375	0.73	1.75	0.177	1.6
43.768.56.800	SCAT40 x SFC3/8" - 8"CUL	10.687	8	1.259	6.63	0.375	0.73	1.75	0.177	1.8
43.768.56.100	SCAT40 x SFC3/8" - 10"CUL	12.687	10	1.259	8.63	0.375	0.73	1.75	0.177	1.9
43.768.58.600	SCAT40 x SFC1/2" - 6"CUL	8.687	6	1.457	4.63	0.5	0.89	1.75	0.196	1.7
43.768.58.800	SCAT40 x SFC1/2" - 8"CUL	10.687	8	1.457	6.63	0.5	0.89	1.75	0.196	1.9
43.768.58.100	SCAT40 x SFC1/2" - 10"CUL	12.687	10	1.457	8.63	0.5	0.89	1.75	0.196	2.0

Features:

- ▶ The most ideal tool holder design for 5 axis machining centers.
- ▶ Unique curved design avoids interference effectively.
- ▶ The design of slim nose and short overhanging length of cutter extends tool use life.
- ▶ The design of thick neck improves the rigidity during machining and product quality.

Product information:

- ▶ Balance: G2.5 25,000 rpm. Higher balancing grade and revolution can be done upon request but additional charge is needed.

Pull Stud	Preset Screw
	
P.W-56	P.W-82

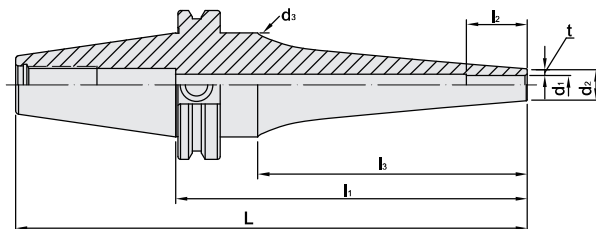


SCAT / SFC SHRINK FIT CHUCK

CUL TYPE



SCAT / SFC 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)
44.768.53.600	SCAT50 x SFC3/16" - 6"CUL	10	6	0.394	4.63	0.1875	0.42	2.75	0.118	4.3
44.768.53.800	SCAT50 x SFC3/16" - 8"CUL	12	8	0.394	6.63	0.1875	0.42	2.75	0.118	4.6
44.768.53.100	SCAT50 x SFC3/16" - 10"CUL	14	10	0.394	8.63	0.1875	0.42	2.75	0.118	4.9
44.768.53.120	SCAT50 x SFC3/16" - 12"CUL	16	12	0.394	10.63	0.1875	0.42	2.75	0.118	5.1
44.768.54.600	SCAT50 x SFC1/4" - 6"CUL	10	6	1.024	4.63	0.25	0.53	2.75	0.138	4.3
44.768.54.800	SCAT50 x SFC1/4" - 8"CUL	12	8	1.024	6.63	0.25	0.53	2.75	0.138	4.7
44.768.54.100	SCAT50 x SFC1/4" - 10"CUL	14	10	1.024	8.63	0.25	0.53	2.75	0.138	5.0
44.768.54.120	SCAT50 x SFC1/4" - 12"CUL	16	12	1.024	10.63	0.25	0.53	2.75	0.138	5.2
44.768.55.600	SCAT50 x SFC5/16" - 6"CUL	10	6	1.026	4.63	0.3125	0.63	2.75	0.157	4.4
44.768.55.800	SCAT50 x SFC5/16" - 8"CUL	12	8	1.026	6.63	0.3125	0.63	2.75	0.157	4.8
44.768.55.100	SCAT50 x SFC5/16" - 10"CUL	14	10	1.026	8.63	0.3125	0.63	2.75	0.157	5.1
44.768.55.120	SCAT50 x SFC5/16" - 12"CUL	16	12	1.026	10.63	0.3125	0.63	2.75	0.157	5.3
44.768.56.600	SCAT50 x SFC3/8" - 6"CUL	10	6	1.259	4.63	0.375	0.73	2.75	0.177	4.4
44.768.56.800	SCAT50 x SFC3/8" - 8"CUL	12	8	1.259	6.63	0.375	0.73	2.75	0.177	4.8
44.768.56.100	SCAT50 x SFC3/8" - 10"CUL	14	10	1.259	8.63	0.375	0.73	2.75	0.177	5.2
44.768.56.120	SCAT50 x SFC3/8" - 12"CUL	16	12	1.259	10.63	0.375	0.73	2.75	0.177	5.4
44.768.58.600	SCAT50 x SFC1/2" - 6"CUL	10	6	1.457	4.63	0.5	0.89	2.75	0.196	4.5
44.768.58.800	SCAT50 x SFC1/2" - 8"CUL	12	8	1.457	6.63	0.5	0.89	2.75	0.196	5.0
44.768.58.100	SCAT50 x SFC1/2" - 10"CUL	14	10	1.457	8.63	0.5	0.89	2.75	0.196	5.3
44.768.58.120	SCAT50 x SFC1/2" - 12"CUL	16	12	1.457	10.63	0.5	0.89	2.75	0.196	5.6

Features:

- ▶ The most ideal tool holder design for 5 axis machining centers.
- ▶ Unique curved design avoids interference effectively.
- ▶ The design of slim nose and short overhanging length of cutter extends tool use life.
- ▶ The design of thick neck improves the rigidity during machining and product quality.

Product information:

- ▶ Balance: G2.5 25,000 rpm. Higher balancing grade and revolution can be done upon request but additional charge is needed.

Pull Stud



P.W-56

Preset Screw



P.W-82

SDAT / SFC SHRINK FIT CHUCK

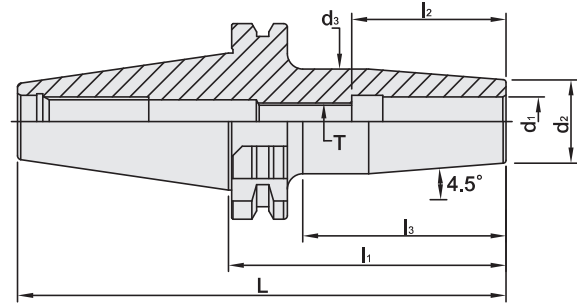
Dual
DRIVE+

4.5°

SDAT / SFC 法蘭加厚型熱膨脹刀桿



T W PAT NO. M284478
J P PAT NO. 3134091
J P PAT NO. 3200356
T R PAT NO. TR 200703317 Y
D E PAT NO. Nr.202007006594.9
U S PAT NO. US75564618.2



MODEL NO.	TYPE	L	l ₁	l ₂	l ₃	d ₁	d ₂	d ₃	T	TORQUE N.m min	WEIGHT (KGS)
66.651.03.080	SDAT40 x SFC3 - 80	148.4	80	18	51.7	3	10	19.3	M6	18	0.89
66.651.04.080	SDAT40 x SFC4 - 80	148.4	80	20	51.7	4	10	19.3	M6	18	0.89
66.651.05.080	SDAT40 x SFC5 - 80	148.4	80	20	51.7	5	10	19.3	M6	18	0.89
66.651.06.080	SDAT40 x SFC6 - 80	148.4	80	36	55.9	6	21	27	M5	18	1.03
66.651.06.130	SDAT40 x SFC6 - 130	198.4	130	36	105.9	6	21	27	M5	18	1.25
66.651.06.160	SDAT40 x SFC6 - 160	228.4	160	36	105.9	6	21	27	M5	18	1.38
66.651.06.200	SDAT40 x SFC6 - 200	268.4	200	36	146	6	21	27	M5	18	1.56
66.651.08.080	SDAT40 x SFC8 - 80	148.4	80	36	55.9	8	21	27	M6	35	0.93
66.651.08.130	SDAT40 x SFC8 - 130	198.4	130	36	105.9	8	21	27	M6	35	1.24
66.651.08.160	SDAT40 x SFC8 - 160	228.4	160	36	105.9	8	21	27	M6	35	1.37
66.651.08.200	SDAT40 x SFC8 - 200	268.4	200	36	146	8	21	27	M6	35	1.55
66.651.10.080	SDAT40 x SFC10 - 80	148.4	80	42	55.9	10	24	32	M8	65	1.21
66.651.10.130	SDAT40 x SFC10 - 130	198.4	130	42	105.9	10	24	32	M8	65	1.52
66.651.10.160	SDAT40 x SFC10 - 160	228.4	160	42	105.9	10	24	32	M8	65	1.65
66.651.10.200	SDAT40 x SFC10 - 200	268.4	200	42	146	10	24	32	M8	65	1.83
66.651.12.080	SDAT40 x SFC12 - 80	148.4	80	47	55.9	12	24	32	M10	110	1.01
66.651.12.130	SDAT40 x SFC12 - 130	198.4	130	47	105.9	12	24	32	M10	110	1.50
66.651.12.160	SDAT40 x SFC12 - 160	228.4	160	47	105.9	12	24	32	M10	110	1.45
66.651.12.200	SDAT40 x SFC12 - 200	268.4	200	47	146	12	24	32	M10	110	1.81
66.651.14.080	SDAT40 x SFC14 - 80	148.4	80	47	55.9	14	27	34	M10	150	0.89
66.651.14.130	SDAT40 x SFC14 - 130	198.4	130	47	105.9	14	27	34	M10	150	1.38
66.651.14.160	SDAT40 x SFC14 - 160	228.4	160	47	105.9	14	27	34	M10	150	1.33
66.651.14.200	SDAT40 x SFC14 - 200	268.4	200	47	146	14	27	34	M10	150	1.93

Features:

- High rigidity. ► T.I.R.: within 5 μ.
- Slim design. ► Easy operation.

Product information:

- We accept special order of the design with 6 threaded holes for balance with balancing screws.
- Balance: G2.5 25,000 rpm. 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	Preset Screw
	
P.W-57	P.W-82



SDAT / SFC SHRINK FIT CHUCK

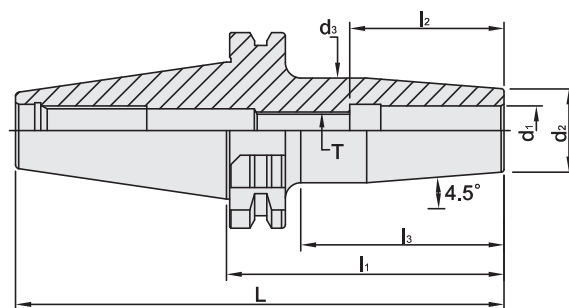
Dual
DRIVE+

4.5°

SDAT / SFC 法蘭加厚型熱膨脹刀桿



T W PAT NO. M284478
J P PAT NO. 3134091
J P PAT NO. 3200356
T R PAT NO. TR 200703317 Y
D E PAT NO. Nr.202007006594.9
U S PAT NO. US75564618.2



MODEL NO.	TYPE	L	l ₁	l ₂	l ₃	d ₁	d ₂	d ₃	T	TORQUE N.m min	WEIGHT (KGS)
66.651.16.080	SDAT40 x SFC 16 - 80	148.4	80	50	55.8	16	27	34	M12	200	1.09
66.651.16.130	SDAT40 x SFC 16 - 130	198.4	130	50	105.9	16	27	34	M12	200	1.44
66.651.16.160	SDAT40 x SFC 16 - 160	228.4	160	50	105.9	16	27	34	M12	200	1.65
66.651.16.200	SDAT40 x SFC 16 - 200	268.4	200	50	146	16	27	34	M12	200	1.93
66.651.18.080	SDAT40 x SFC 18 - 80	148.4	80	50	57.9	18	33	42	M12	250	1.23
66.651.18.130	SDAT40 x SFC 18 - 130	198.4	130	50	107.9	18	33	42	M12	250	1.76
66.651.18.160	SDAT40 x SFC 18 - 160	228.4	160	50	107.9	18	33	42	M12	250	2.08
66.651.18.200	SDAT40 x SFC 18 - 200	268.4	200	50	147.9	18	33	42	M12	250	2.51
66.651.20.080	SDAT40 x SFC 20 - 80	148.4	80	52	57.9	20	33	42	M16	320	1.21
66.651.20.130	SDAT40 x SFC 20 - 130	198.4	130	52	107.9	20	33	42	M16	320	1.73
66.651.20.160	SDAT40 x SFC 20 - 160	228.4	160	52	107.9	20	33	42	M16	320	2.06
66.651.20.200	SDAT40 x SFC 20 - 200	268.4	200	52	147.9	20	33	42	M16	320	2.48
66.651.25.100	SDAT40 x SFC 25 - 100	168.4	80	58	80.9	25	44	53	M20	500	1.79
66.651.25.130	SDAT40 x SFC 25 - 130	198.4	130	58	110.9	25	44	53	M20	500	2.31
66.651.25.160	SDAT40 x SFC 25 - 160	228.4	160	58	140.9	25	44	53	M20	500	2.81
66.651.25.200	SDAT40 x SFC 25 - 200	268.4	200	58	180.9	25	44	53	M20	500	3.49
66.651.32.100	SDAT40 x SFC 32 - 100	168.4	100	58	80.9	32	44	53	M20	550	1.65

Features:

- High rigidity. ► T.I.R.: within 5 μ. ► Slim design. ► Easy operation.

Product information:

- We accept special order of the design with 6 threaded holes for balance with balancing screws.
- Balance: G2.5 25,000 rpm. 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	Preset Screw
	
P.W-57	P.W-82

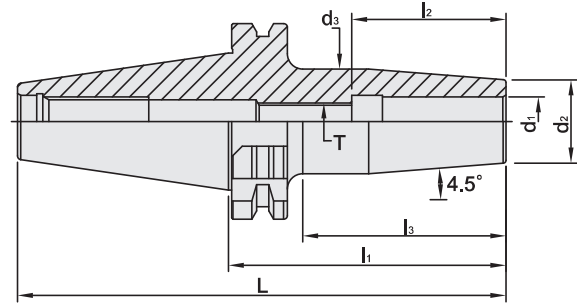
SDAT / SFC SHRINK FIT CHUCK

Dual
DRIVE+

4.5°

SDAT / SFC 法蘭加厚型熱膨脹刀桿

T W PAT NO. M284478
J P PAT NO. 3134091
J P PAT NO. 3200356
T R PAT NO. TR 200703317 Y
D E PAT NO. Nr.202007006594.9
U S PAT NO. US75564618.2



MODEL NO.	TYPE	L	l ₁	l ₂	l ₃	d ₁	d ₂	d ₃	T	TORQUE N.m min	WEIGHT (KGS)
67.651.06.080	SDAT50 x SFC6 - 80	181.75	80	36	50.9	6	21	27	M5	18	2.81
67.651.06.130	SDAT50 x SFC6 - 130	231.75	130	36	100.9	6	21	27	M5	18	3.03
67.651.06.160	SDAT50 x SFC6 - 160	261.75	160	36	100.9	6	21	27	M5	18	3.17
67.651.06.200	SDAT50 x SFC6 - 200	301.75	200	36	141	6	21	27	M5	18	3.34
67.651.08.080	SDAT50 x SFC8 - 80	181.75	80	36	50.9	8	21	27	M6	35	2.80
67.651.08.130	SDAT50 x SFC8 - 130	231.75	130	36	100.9	8	21	27	M6	35	3.02
67.651.08.160	SDAT50 x SFC8 - 160	261.75	160	36	100.9	8	21	27	M6	35	3.16
67.651.08.200	SDAT50 x SFC8 - 200	301.75	200	36	141	8	21	27	M6	35	3.33
67.651.10.080	SDAT50 x SFC10 - 80	181.75	80	42	50.9	10	24	32	M8	65	2.53
67.651.10.130	SDAT50 x SFC10 - 130	231.75	130	42	100.9	10	24	32	M8	65	2.75
67.651.10.160	SDAT50 x SFC10 - 160	261.75	160	42	100.9	10	24	32	M8	65	2.89
67.651.10.200	SDAT50 x SFC10 - 200	301.75	200	42	141	10	24	32	M8	65	3.60
67.651.12.080	SDAT50 x SFC12 - 80	181.75	80	47	50.9	12	24	32	M10	110	2.52
67.651.12.130	SDAT50 x SFC12 - 130	231.75	130	47	100.9	12	24	32	M10	110	2.74
67.651.12.160	SDAT50 x SFC12 - 160	261.75	160	47	100.9	12	24	32	M10	110	2.88
67.651.12.200	SDAT50 x SFC12 - 200	301.75	200	47	141	12	24	32	M10	110	3.59
67.651.14.080	SDAT50 x SFC14 - 80	181.75	80	47	50.9	14	27	34	M10	150	2.38
67.651.14.130	SDAT50 x SFC14 - 130	231.75	130	47	100.9	14	27	34	M10	150	2.60
67.651.14.160	SDAT50 x SFC14 - 160	261.75	160	47	100.9	14	27	34	M10	150	2.74
67.651.14.200	SDAT50 x SFC14 - 200	301.75	200	47	141	14	27	34	M10	150	3.73

Features:

- High rigidity. ► T.I.R.: within 5 µ.
- Slim design. ► Easy operation.

Product information:

- We accept special order of the design with 6 threaded holes for balance with balancing screws.
- Balance: G2.5 25,000 rpm. 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	Preset Screw
	
P.W-57	P.W-82



SDAT / SFC SHRINK FIT CHUCK

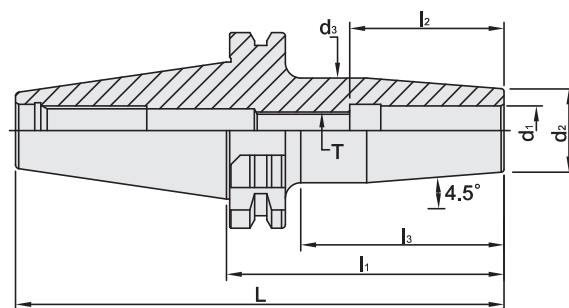
Dual
DRIVE+

4.5°

SDAT / SFC 法蘭加厚型熱膨脹刀桿



T W PAT NO. M284478
J P PAT NO. 3134091
J P PAT NO. 3200356
T R PAT NO. TR 200703317 Y
D E PAT NO. Nr.202007006594.9
U S PAT NO. US75564618.2



MODEL NO.	TYPE	L	l ₁	l ₂	l ₃	d ₁	d ₂	d ₃	T	TORQUE N.m min	WEIGHT (KGS)
67.651.16.080	SDAT50 x SFC 16 - 80	181.75	80	50	50.9	16	27	34	M12	200	2.87
67.651.16.130	SDAT50 x SFC 16 - 130	231.75	130	50	100.9	16	27	34	M12	200	3.22
67.651.16.160	SDAT50 x SFC 16 - 160	261.75	160	50	100.9	16	27	34	M12	200	3.43
67.651.16.200	SDAT50 x SFC 16 - 200	301.75	200	50	141	16	27	34	M12	200	3.71
67.651.18.080	SDAT50 x SFC 18 - 80	181.75	80	50	57.9	18	33	42	M12	250	2.99
67.651.18.130	SDAT50 x SFC 18 - 130	231.75	130	50	100.9	18	33	42	M12	250	3.55
67.651.18.160	SDAT50 x SFC 18 - 160	261.75	160	50	100.9	18	33	42	M12	250	3.87
67.651.18.200	SDAT50 x SFC 18 - 200	301.75	200	50	141	18	33	42	M12	250	4.30
67.651.20.080	SDAT50 x SFC 20 - 80	181.75	80	52	57.9	20	33	42	M16	320	2.91
67.651.20.130	SDAT50 x SFC 20 - 130	231.75	130	52	100.9	20	33	42	M16	320	3.25
67.651.20.160	SDAT50 x SFC 20 - 160	261.75	160	52	100.9	20	33	42	M16	320	3.57
67.651.20.200	SDAT50 x SFC 20 - 200	301.75	200	52	141	20	33	42	M16	320	4.27
67.651.25.100	SDAT50 x SFC 25 - 100	201.75	100	58	70.9	25	44	53	M20	500	3.59
67.651.25.130	SDAT50 x SFC 25 - 130	231.75	130	58	100.9	25	44	53	M20	500	4.10
67.651.25.160	SDAT50 x SFC 25 - 160	261.75	160	58	100.9	25	44	53	M20	500	4.61
67.651.25.200	SDAT50 x SFC 25 - 200	301.75	200	58	141	25	44	53	M20	500	5.29
67.651.32.100	SDAT50 x SFC 32 - 100	201.75	100	58	70.9	32	44	53	M20	550	3.45

Features:

- High rigidity. ► T.I.R.: within 5 μ. ► Slim design. ► Easy operation.

Product information:

- We accept special order of the design with 6 threaded holes for balance with balancing screws.
- Balance: G2.5 25,000 rpm. 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**Preset Screw**

P.W-57

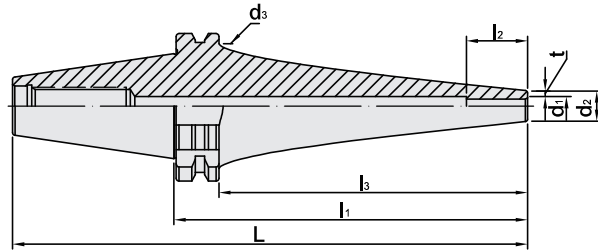
P.W-82

SDAT / SFC SHRINK FIT CHUCK

CUL TYPE



SDAT / 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)
66.768.04.150	SDAT40 x SFC4 - 150CUL	218.4	150	10	130.9	4	10	53	3	1.5
66.768.04.200	SDAT40 x SFC4 - 200CUL	268.4	200	10	180.9	4	10	53	3	1.7
66.768.04.250	SDAT40 x SFC4 - 250CUL	318.4	250	10	230.9	4	10	53	3	1.8
66.768.06.150	SDAT40 x SFC6 - 150CUL	218.4	150	26	130.9	6	13	53	3.5	1.6
66.768.06.200	SDAT40 x SFC6 - 200CUL	268.4	200	26	180.9	6	13	53	3.5	1.8
66.768.08.150	SDAT40 x SFC8 - 150CUL	218.4	150	26	130.9	8	16	53	4	1.7
66.768.08.200	SDAT40 x SFC8 - 200CUL	268.4	200	26	180.9	8	16	53	4	1.8
66.768.08.250	SDAT40 x SFC8 - 250CUL	318.4	250	26	230.9	8	16	53	4	2.0
66.768.10.150	SDAT40 x SFC10 - 150CUL	218.4	150	32	130.9	10	19	53	4.5	1.7
66.768.10.200	SDAT40 x SFC10 - 200CUL	268.4	200	32	180.9	10	19	53	4.5	1.9
66.768.10.250	SDAT40 x SFC10 - 250CUL	318.4	250	32	230.9	10	19	53	4.5	2.1
66.768.12.150	SDAT40 x SFC12 - 150CUL	218.4	150	37	130.9	12	22	53	5	1.8
66.768.12.200	SDAT40 x SFC12 - 200CUL	268.4	200	37	180.9	12	22	53	5	2.0
66.768.12.250	SDAT40 x SFC12 - 250CUL	318.4	250	37	230.9	12	22	53	5	2.2
67.768.04.150	SDAT50 x SFC4 - 150CUL	251.75	150	10	130.9	4	10	85	3	1.5
67.768.04.200	SDAT50 x SFC4 - 200CUL	301.75	200	10	180.9	4	10	85	3	1.7
67.768.04.250	SDAT50 x SFC4 - 250CUL	351.75	250	10	230.9	4	10	85	3	1.8
67.768.04.300	SDAT50 x SFC4 - 300CUL	401.75	300	10	280.9	4	10	85	3	1.9
67.768.06.150	SDAT50 x SFC6 - 150CUL	251.75	150	26	130.9	6	13	85	3.5	1.6
67.768.06.200	SDAT50 x SFC6 - 200CUL	301.75	200	26	180.9	6	13	85	3.5	1.8
67.768.06.250	SDAT50 x SFC6 - 250CUL	351.75	250	26	230.9	6	13	85	3.5	1.9
67.768.06.300	SDAT50 x SFC6 - 300CUL	401.75	300	26	280.9	6	13	85	3.5	2.0
67.768.08.200	SDAT50 x SFC8 - 200CUL	301.75	200	26	180.9	8	16	85	4	1.8
67.768.08.250	SDAT50 x SFC8 - 250CUL	351.75	250	26	230.9	8	16	85	4	2.0
67.768.08.300	SDAT50 x SFC8 - 300CUL	401.75	300	26	280.9	8	16	85	4	2.1
67.768.10.150	SDAT50 x SFC10 - 150CUL	251.75	150	32	130.9	10	20	85	4.5	1.7
67.768.10.200	SDAT50 x SFC10 - 200CUL	301.75	200	32	180.9	10	20	85	4.5	2.0
67.768.10.250	SDAT50 x SFC10 - 250CUL	351.75	250	32	230.9	10	20	85	4.5	2.1
67.768.10.300	SDAT50 x SFC10 - 300CUL	401.75	300	32	280.9	10	20	85	4.5	2.2
67.768.12.150	SDAT50 x SFC12 - 150CUL	251.75	150	37	130.9	12	22	85	5	1.8
67.768.12.200	SDAT50 x SFC12 - 200CUL	301.75	200	37	180.9	12	22	85	5	2.0
67.768.12.250	SDAT50 x SFC12 - 250CUL	351.75	250	37	230.9	12	22	85	5	2.2
67.768.12.300	SDAT50 x SFC12 - 300CUL	401.75	300	37	280.9	12	22	85	5	2.3

Features: ▶ The most ideal tool holder design for 5 axis machining centers. ▶ Unique curved design avoids interference effectively. ▶ The design of slim nose and short overhanging length of cutter extends tool use life. ▶ The design of thick neck improves the rigidity during machining and product quality.

Product information: ▶ Balance: G2.5 25,000 rpm. Higher balancing grade and revolution can be done upon request but additional charge is needed.

Pull Stud	Preset Screw
	
P.W-57	P.W-82



HSK / SFC SHRINK FIT CHUCK

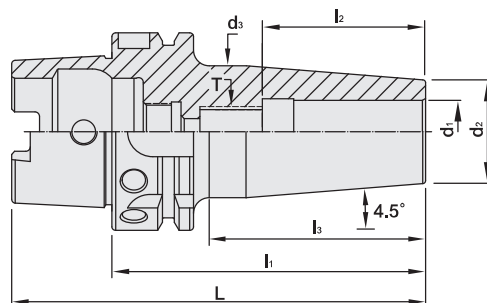
4.5°

HSK / SFC 熱膨脹刀桿

(DIN 69893-1)



T W PAT NO. M284478
J P PAT NO. 3134091
J P PAT NO. 3200356
T R PAT NO. TR 200703317 Y
D E PAT NO. Nr.202007006594.9
U S PAT NO. US75564618.2



MODEL NO.	TYPE	L	l ₁	l ₂	l ₃	d ₁	d ₂	d ₃	T	TORQUE N.m min	WEIGHT (KGS)
39052 - 60	HSK32A x SFC3 - 60	76	60	18	38,1	3	10	16	-	18	0.14
39054 - 60	HSK32A x SFC4 - 60	76	60	20	38,1	4	10	16	-	18	0.14
39056 - 60	HSK32A x SFC5 - 60	76	60	20	38,1	5	10	16	-	18	0.14
39058 - 70	HSK32A x SFC6 - 70	86	70	36	50	6	21	26	M5	18	0.27
39060 - 70	HSK32A x SFC8 - 70	86	70	36	50	8	21	26	M6	35	0.27
39062 - 80	HSK32A x SFC10 - 80	96	80	42	50	10	24	26	M8	65	0.28
39082 - 60	HSK40A x SFC3 - 60	80	60	19	35,3	3	10	15,5	-	18	0.22
39082	HSK40A x SFC3 - 80	100	80	18	55	3	9	17,7	-	18	0.25
39084 - 60	HSK40A x SFC4 - 60	80	60	22	35,3	4	10	15,5	-	18	0.22
39084	HSK40A x SFC4 - 80	100	80	20	55	4	10	18,7	-	18	0.26
39086 - 60	HSK40A x SFC5 - 60	80	60	25	35,3	5	10	15,5	-	18	0.22
39086	HSK40A x SFC5 - 80	100	80	20	55	5	16	22	-	18	0.33
39088	HSK40A x SFC6 - 80	100	80	36	57	6	21	27	M5	18	0.41
39088 - 130	HSK40A x SFC6 - 130	150	130	36	108	6	21	27	M5	18	0.62
39090	HSK40A x SFC8 - 80	100	80	36	57	8	21	27	M6	35	0.40
39090 - 130	HSK40A x SFC8 - 130	150	130	36	108	8	21	27	M6	35	0.61
39092 - 80	HSK40A x SFC10 - 80	100	80	42	59	10	24	32	M8	65	0.45
39092	HSK40A x SFC10 - 85	105	85	42	64	10	24	32	M8	65	0.49
39092 - 130	HSK40A x SFC10 - 130	150	130	42	109	10	24	32	M8	65	0.76
39094	HSK40A x SFC12 - 90	110	90	47	69	12	24	32	M10	110	0.50
39094 - 130	HSK40A x SFC12 - 130	150	130	47	109	12	24	32	M10	110	0.75
39096	HSK40A x SFC14 - 90	110	90	47	69	14	27	34	M10	150	0.56
39098	HSK40A x SFC16 - 90	110	90	47	69	16	27	34	M12	200	0.53

Features:

- ▶ High rigidity. ▶ T.I.R.: within 5 μ. ▶ Slim design. ▶ Easy operation.

Product information:

- ▶ We accept special order of the design with 6 threaded holes for balance with balancing screws.
- ▶ Balance: G2.5 25,000 rpm. 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 Preset Screw Key For Coolant Supply Unit

P.W-60



P.W-82



P.W-60

HSK / SFC SHRINK FIT CHUCK

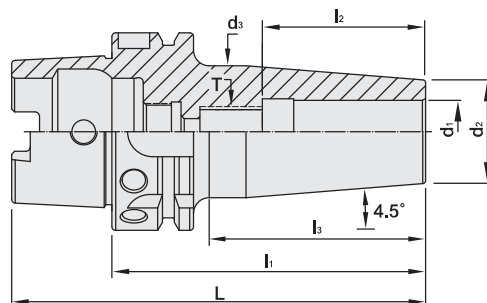
4.5°

HSK / SFC 熱膨脹刀桿

(DIN 69893-1)



T W PAT NO. M284478
J P PAT NO. 3134091
J P PAT NO. 3200356
T R PAT NO. TR 200703317 Y
D E PAT NO. Nr.202007006594.9
U S PAT NO. US75564618.2



MODEL NO.	TYPE	L	l ₁	l ₂	l ₃	d ₁	d ₂	d ₃	T	TORQUE N.m min	WEIGHT (KGS)
39100 - 60	HSK50A x SFC3 - 60	85	60	18	24.7	3	10	13.9	M6	18	0.41
39100	HSK50A x SFC3 - 80	105	80	18	49	3	9	16.7	-	18	0.43
39102 - 60	HSK50A x SFC4 - 60	85	60	20	24.7	4	10	13.9	M6	18	0.41
39102	HSK50A x SFC4 - 80	105	80	20	49	4	10	17.7	-	18	0.44
39104 - 60	HSK50A x SFC5 - 60	85	60	20	24.7	5	10	13.9	M6	18	0.41
39104	HSK50A x SFC5 - 80	105	80	20	49	5	16	22	-	18	0.50
39106	HSK50A x SFC6 - 80	105	80	36	49	6	21	27	M5	18	0.58
39106 - 130	HSK50A x SFC6 - 130	155	130	36	99	6	21	27	M5	18	0.79
39108	HSK50A x SFC8 - 80	105	80	36	49	8	21	27	M6	35	0.57
39108 - 130	HSK50A x SFC8 - 130	155	130	36	99	8	21	27	M6	35	0.78
39110	HSK50A x SFC10 - 85	110	85	42	54	10	24	32	M8	65	0.65
39110 - 130	HSK50A x SFC10 - 130	155	130	42	101.7	10	24	32	M8	65	0.92
39112	HSK50A x SFC12 - 90	115	90	47	59	12	24	32	M10	110	0.66
39112 - 130	HSK50A x SFC12 - 130	155	130	47	101.7	12	24	32	M10	110	0.90
39114	HSK50A x SFC14 - 90	115	90	47	59	14	24	32	M10	150	0.65
39116	HSK50A x SFC16 - 95	120	95	50	64	16	27	34	M12	200	0.72
39114 - 130	HSK50A x SFC16 - 130	155	130	47	101.7	16	27	34	M12	150	0.96
39118	HSK50A x SFC18 - 95	120	95	52	67	18	33	42	M12	250	0.89
39120	HSK50A x SFC20 - 100	125	100	52	73	20	33	42	M16	320	0.90
39122	HSK50A x SFC25 - 115	140	115	47	88	20	44	53	M20	550	1.39

Features:

- High rigidity. ► T.I.R.: within 5 µ. ► Slim design. ► Easy operation.

Product information:

- We accept special order of the design with 6 threaded holes for balance with balancing screws.
- Balance: G2.5 25,000 rpm. 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 Preset Screw Key For Coolant Supply Unit

P.W-60	P.W-82	P.W-60



HSK / SFC SHRINK FIT CHUCK

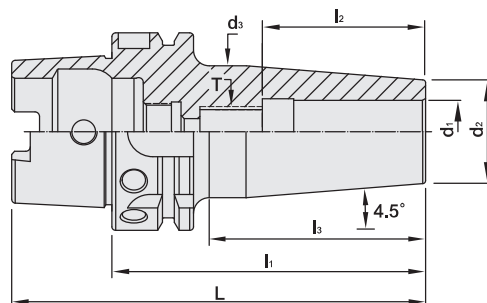
4.5°

HSK / SFC 熱膨脹刀桿

[DIN 69893-1]



T W PAT NO. M284478
J P PAT NO. 3134091
J P PAT NO. 3200356
T R PAT NO. TR 200703317 Y
D E PAT NO. Nr.202007006594.9
U S PAT NO. US75564618.2



MODEL NO.	TYPE	L	l ₁	l ₂	l ₃	d ₁	d ₂	d ₃	T	TORQUE N.m min	WEIGHT (KGS)
39130	HSK63A x SFC3 - 80	112	80	18	40	3	9	18	M6	18	0.69
39132	HSK63A x SFC4 - 80	112	80	18	44	4	10	17.05	M6	18	0.70
39134	HSK63A x SFC5 - 80	112	80	20	51	5	16	22	M6	18	0.76
39136	HSK63A x SFC6 - 80	112	80	36	51	6	21	27	M5	18	0.83
39136 - 130	HSK63A x SFC6 - 130	162	130	36	94	6	21	27	M5	18	1.06
39137	HSK63A x SFC6 - 160	192	160	36	124	6	21	27	M5	18	1.19
39137 - 200	HSK63A x SFC6 - 200	232	200	36	164	6	21	27	M5	18	1.37
39138	HSK63A x SFC8 - 80	112	80	36	51	8	21	27	M6	35	0.83
39138 - 130	HSK63A x SFC8 - 130	162	130	36	94	8	21	27	M6	35	1.05
39139	HSK63A x SFC8 - 160	192	160	36	124	8	21	27	M6	35	1.18
39139 - 200	HSK63A x SFC8 - 200	232	200	36	164	8	21	27	M6	35	1.36
39140	HSK63A x SFC10 - 85	117	85	42	54	10	24	32	M8	65	0.91
39140 - 130	HSK63A x SFC10 - 130	162	130	42	94	10	24	32	M8	65	1.18
39141	HSK63A x SFC10 - 160	192	160	42	124	10	24	32	M8	65	1.36
39141 - 200	HSK63A x SFC10 - 200	232	200	42	164	10	24	32	M8	65	1.61
39142	HSK63A x SFC12 - 90	122	90	47	59	12	24	32	M10	110	0.92
39142 - 130	HSK63A x SFC12 - 130	162	130	47	94	12	24	32	M10	65	1.17
39143	HSK63A x SFC12 - 160	192	160	47	124	12	24	32	M10	110	1.35
39143 - 200	HSK63A x SFC12 - 200	232	200	47	164	12	24	32	M10	110	1.60
39144	HSK63A x SFC14 - 90	122	90	47	59	14	27	34	M10	150	0.97
39144 - 130	HSK63A x SFC14 - 130	162	130	47	99	14	27	34	M10	150	1.23
39145	HSK63A x SFC14 - 160	192	160	47	129	14	27	34	M10	150	1.44
39145 - 200	HSK63A x SFC14 - 200	232	200	47	169	14	27	34	M10	150	1.72
39146	HSK63A x SFC16 - 95	127	95	50	64	16	27	34	M12	200	0.98
39146 - 130	HSK63A x SFC16 - 130	162	130	50	99	16	27	34	M12	200	1.21
39147	HSK63A x SFC16 - 160	192	160	50	129	16	27	34	M12	200	1.42
39147 - 200	HSK63A x SFC16 - 200	232	200	50	169	16	27	34	M12	200	1.70

Features:

- ▶ High rigidity. ▶ T.I.R.: within 5 μ. ▶ Slim design. ▶ Easy operation.

Product information:

- ▶ We accept special order of the design with 6 threaded holes for balance with balancing screws.
- ▶ Balance: G2.5 25,000 rpm. 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 Preset Screw Key For Coolant Supply Unit

		
P.W-60	P.W-82	P.W-60

HSK / SFC SHRINK FIT CHUCK

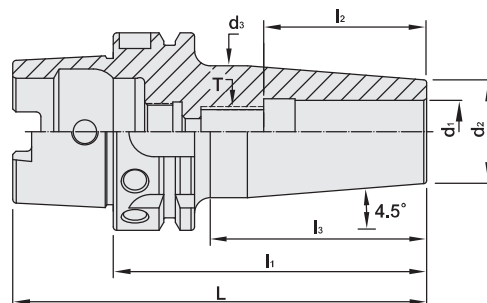
4.5°

HSK / SFC 熱膨脹刀桿

(DIN 69893-1)



T W PAT NO. M284478
J P PAT NO. 3134091
J P PAT NO. 3200356
T R PAT NO. TR 200703317 Y
D E PAT NO. Nr.202007006594.9
U S PAT NO. US75564618.2



MODEL NO.	TYPE	L	l ₁	l ₂	l ₃	d ₁	d ₂	d ₃	T	TORQUE N.m min	WEIGHT (KGS)
39148	HSK63A x SFC18 - 95	127	95	50	64	18	33	42	M12	250	1.15
39148 - 130	HSK63A x SFC18 - 130	162	130	50	89	18	33	42	M12	250	1.51
39149	HSK63A x SFC18 - 160	192	160	50	89	18	33	42	M12	250	1.83
39149 - 200	HSK63A x SFC18 - 200	232	200	50	129	18	33	42	M12	250	2.26
39157	HSK63A x SFC19 - 100	132	100	60	69	19	33	42	-	320	1.16
39150	HSK63A x SFC20 - 100	132	100	52	69	20	33	42	M16	320	1.17
39150 - 130	HSK63A x SFC20 - 130	162	130	52	89	20	33	42	M16	320	1.48
39151	HSK63A x SFC20 - 160	192	160	52	89	20	33	42	M16	320	1.80
39151 - 200	HSK63A x SFC20 - 200	232	200	52	129	20	33	42	M16	320	2.23
39158	HSK63A x SFC24 - 115	147	115	72	88.6	24	44	53	-	550	1.71
39152	HSK63A x SFC25 - 115	147	115	58	88	25	44	53	M20	550	1.67
39152 - 130	HSK63A x SFC25 - 130	162	130	58	104	25	44	53	M20	500	2.00
39153	HSK63A x SFC25 - 160	192	160	58	134	25	44	53	M20	500	2.51
39153 - 200	HSK63A x SFC25 - 200	232	200	58	174	25	44	53	M20	500	3.19
39154	HSK63A x SFC32 - 120	152	120	58	93	32	44	53	M20	550	1.67
39155	HSK63A x SFC32 - 160	192	160	58	134	32	44	53	M20	550	2.37
39155 - 200	HSK63A x SFC32 - 200	232	200	58	174	32	44	53	M20	550	3.05

Features:

- High rigidity. ► T.I.R.: within 5 μ. ► Slim design. ► Easy operation.

Product information:

- We accept special order of the design with 6 threaded holes for balance with balancing screws.
- Balance: G2.5 25,000 rpm. 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 Preset Screw Key For Coolant Supply Unit

P.W-60	P.W-82	P.W-60



HSK / SFC SHRINK FIT CHUCK

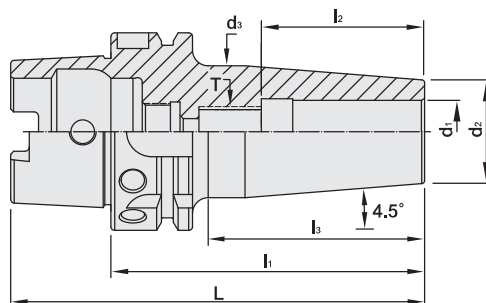
4.5°

HSK / SFC 熱膨脹刀桿

(DIN 69893-1)



T W PAT NO. M284478
J P PAT NO. 3134091
J P PAT NO. 3200356
T R PAT NO. TR 200703317 Y
D E PAT NO. Nr.202007006594.9
U S PAT NO. US75564618.2



MODEL NO.	TYPE	L	l ₁	l ₂	l ₃	d ₁	d ₂	d ₃	T	TORQUE N.m min	WEIGHT (KGS)
39183	HSK100A x SFC6 - 85	135	85	36	46	6	21	27	M5	18	2.21
39183 - 130	HSK100A x SFC6 - 130	180	130	36	91	6	21	27	M5	18	2.36
39183 - 160	HSK100A x SFC6 - 160	210	160	36	91	6	21	27	M5	18	2.50
39183 - 200	HSK100A x SFC6 - 200	250	200	36	131	6	21	27	M5	18	2.67
39184	HSK100A x SFC8 - 85	135	85	36	46	8	21	27	M6	35	2.20
39184 - 130	HSK100A x SFC8 - 130	180	130	36	91	8	21	27	M6	35	2.35
39184 - 160	HSK100A x SFC8 - 160	210	160	36	91	8	21	27	M6	35	2.49
39184 - 200	HSK100A x SFC8 - 200	250	200	36	131	8	21	27	M6	35	2.66
39185	HSK100A x SFC10 - 90	140	90	42	51	10	24	32	M8	65	2.28
39185 - 130	HSK100A x SFC10 - 130	180	130	42	91	10	24	32	M8	65	2.49
39185 - 160	HSK100A x SFC10 - 160	210	160	42	91	10	24	32	M8	65	2.68
39185 - 200	HSK100A x SFC10 - 200	250	200	42	131	10	24	32	M8	65	2.92
39186	HSK100A x SFC12 - 95	145	95	47	56	12	24	32	M10	110	2.30
39186 - 130	HSK100A x SFC12 - 130	180	130	47	91	12	24	32	M10	65	2.47
39186 - 160	HSK100A x SFC12 - 160	210	160	47	91	12	24	32	M10	110	2.66
39186 - 200	HSK100A x SFC12 - 200	250	200	47	131	12	24	32	M10	110	2.91
39188	HSK100A x SFC14 - 95	145	95	47	56	14	27	34	M10	150	2.35
39188 - 130	HSK100A x SFC14 - 130	180	130	47	91	14	27	34	M10	150	2.55
39188 - 160	HSK100A x SFC14 - 160	210	160	47	91	14	27	34	M10	150	2.76
39188 - 200	HSK100A x SFC14 - 200	250	200	47	131	14	27	34	M10	150	3.04
39190	HSK100A x SFC16 - 100	150	100	50	61	16	27	34	M12	200	2.36
39190 - 130	HSK100A x SFC16 - 130	180	130	50	91	16	27	34	M12	200	2.53
39190 - 160	HSK100A x SFC16 - 160	210	160	50	91	16	27	34	M12	200	2.74
39190 - 200	HSK100A x SFC16 - 200	250	200	50	131	16	27	34	M12	200	3.02

Features:

- ▶ High rigidity. ▶ T.I.R.: within 5 μ. ▶ Slim design. ▶ Easy operation.

Product information:

- ▶ We accept special order of the design with 6 threaded holes for balance with balancing screws.
- ▶ Balance: G2.5 25,000 rpm. 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 Preset Screw Key For Coolant Supply Unit

P.W-60



P.W-82



P.W-60

HSK / SFC SHRINK FIT CHUCK

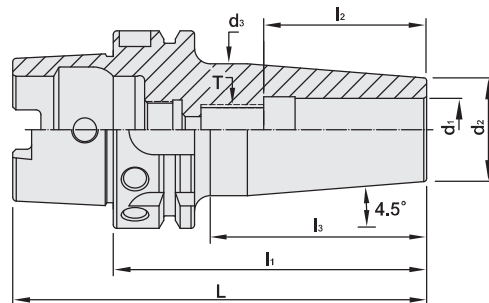
4.5°

HSK / SFC 熱膨脹刀桿

(DIN 69893-1)



T W PAT NO. M284478
J P PAT NO. 3134091
J P PAT NO. 3200356
T R PAT NO. TR 200703317 Y
D E PAT NO. Nr.202007006594.9
U S PAT NO. US75564618.2



MODEL NO.	TYPE	L	l ₁	l ₂	l ₃	d ₁	d ₂	d ₃	T	TORQUE N.m min	WEIGHT (KGS)
39192	HSK100A x SFC 18 - 100	150	100	50	66	18	33	42	M12	250	2.52
39192 - 130	HSK100A x SFC 18 - 130	180	130	50	91	18	33	42	M12	250	2.82
39192 - 160	HSK100A x SFC 18 - 160	210	160	50	91	18	33	42	M12	250	3.14
39192 - 200	HSK100A x SFC 18 - 200	250	200	50	131	18	33	42	M12	250	3.57
39193	HSK100A x SFC 19 - 105	155	105	60	71	19	33	42	-	320	2.50
39194	HSK100A x SFC 20 - 105	155	105	52	71	20	33	42	M16	320	2.53
39194 - 130	HSK100A x SFC 20 - 130	180	130	52	91	20	33	42	M16	320	2.79
39194 - 160	HSK100A x SFC 20 - 160	210	160	52	91	20	33	42	M16	320	3.11
39194 - 200	HSK100A x SFC 20 - 200	250	200	52	131	20	33	42	M16	320	3.54
39195	HSK100A x SFC 24 - 115	165	115	72	81	24	44	53	-	500	2.99
39196	HSK100A x SFC 25 - 115	165	115	58	81	25	44	53	M20	500	3.04
39196 - 160	HSK100A x SFC 25 - 160	210	160	58	91	25	44	53	M20	500	3.82
39196 - 200	HSK100A x SFC 25 - 200	250	200	58	131	25	44	53	M20	500	4.50
39194 - 130	HSK100A x SFC 20 - 130	180	130	52	91	20	33	42	M20	320	2.79
39194 - 160	HSK100A x SFC 20 - 160	210	160	52	91	20	33	42	M20	320	3.11
39194 - 200	HSK100A x SFC 20 - 200	250	200	52	131	20	33	42	M20	320	3.54
39198	HSK100A x SFC 32 - 120	170	120	58	86	32	44	53	M20	550	2.98
39198 - 160	HSK100A x SFC 32 - 160	210	160	58	91	32	44	53	M20	550	3.68
39198 - 200	HSK100A x SFC 32 - 200	250	200	58	131	32	44	53	M20	550	4.36

Features:

- High rigidity. ► T.I.R.: within 5 μ. ► Slim design. ► Easy operation.

Product information:

- We accept special order of the design with 6 threaded holes for balance with balancing screws.
- Balance: G2.5 25,000 rpm. 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 Preset Screw Key For Coolant Supply Unit

		
P.W-60	P.W-82	P.W-60



HSK / SFC SHRINK FIT CHUCK

4.5°

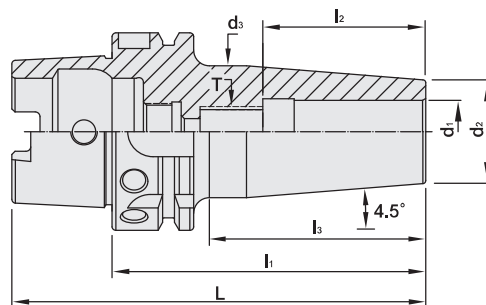
HSK / SFC 熱膨脹刀桿

[DIN 69893-1]



T W PAT NO. M284478
J P PAT NO. 3134091
J P PAT NO. 3200356
T R PAT NO. TR 200703317 Y
D E PAT NO. Nr.202007006594.9
U S PAT NO. US75564618.2

INCHES



MODEL NO.	TYPE	L	l ₁	l ₂	l ₃	d ₁	d ₂	d ₃	T	TORQUE N.m min	WEIGHT (KGS)
39002	HSK40A x SFC3/16" - 3.54"	4.33	3.54	0.79	2.55	0.1875	0.43	0.79	-	18	0.29
39004	HSK40A x SFC1/4" - 3.54"	4.33	3.54	1.42	2.04	0.25	0.71	1.03	M5	18	0.41
39006	HSK40A x SFC5/16" - 3.54"	4.33	3.54	1.42	2.63	0.3125	0.79	1.06	M6	35	0.43
39008	HSK40A x SFC3/8" - 3.54"	4.33	3.54	1.53	2.67	0.375	0.94	1.26	M8	65	0.52
39010	HSK40A x SFC1/2" - 3.54"	4.33	3.54	1.85	2.71	0.5	1.1	1.34	M10	110	0.58
39016	HSK50A x SFC3/16" - 3.54"	4.53	3.54	0.79	2.15	0.1875	0.43	0.76	M6	18	0.48
39018	HSK50A x SFC1/4" - 3.54"	4.53	3.54	1.42	2.04	0.25	0.71	1.03	M5	18	0.58
39020	HSK50A x SFC5/16" - 3.54"	4.53	3.54	1.42	2.32	0.3125	0.79	1.06	M6	35	0.60
39022	HSK50A x SFC3/8" - 3.54"	4.53	3.54	1.53	2.32	0.375	0.94	1.26	M8	65	0.69
39024	HSK50A x SFC1/2" - 3.54"	4.53	3.54	1.85	2.4	0.5	1.1	1.34	M10	110	0.74
39025	HSK50A x SFC5/8" - 3.54"	4.53	3.54	1.97	2.4	0.625	1.06	1.34	M12	200	0.69
39026	HSK50A x SFC3/4" - 3.94"	4.93	3.94	2.04	2.89	0.75	1.42	1.65	M16	320	0.91
39030	HSK63A x SFC3/16" - 3.94"	5.2	3.94	0.79	2.71	0.1875	0.43	0.79	M6	18	0.74
39032	HSK63A x SFC1/4" - 3.94"	5.2	3.94	1.42	2.71	0.25	0.71	1.06	M5	18	0.88
39034	HSK63A x SFC5/16" - 3.94"	5.2	3.94	1.42	2.71	0.3125	0.79	1.06	M6	35	0.90
39036	HSK63A x SFC3/8" - 3.94"	5.2	3.94	1.65	2.71	0.375	0.94	1.26	M8	65	1.00
39038	HSK63A x SFC1/2" - 3.94"	5.2	3.94	1.85	2.71	0.5	1.1	1.38	M10	110	1.08
39039	HSK63A x SFC5/8" - 3.94"	5.2	3.94	1.97	2.71	0.625	1.06	1.34	M12	200	1.01
39040	HSK63A x SFC3/4" - 3.94"	5.2	3.94	2.04	2.71	0.75	1.42	1.65	M16	320	1.25
39042	HSK63A x SFC1" - 3.94"	5.2	3.94	2.28	2.71	1	1.42	1.65	M20	500	1.12
39306	HSK100A x SFC1/4" - 3.54"	5.51	3.54	1.42	2.04	0.25	0.71	1.03	M5	18	2.17
39308	HSK100A x SFC5/16" - 3.35"	5.51	3.35	1.42	2	0.3125	0.79	1.06	M6	18	2.17
39310	HSK100A x SFC3/8" - 3.54"	5.51	3.54	1.53	2.2	0.375	0.94	1.26	M8	35	2.27
39314	HSK100A x SFC1/2" - 3.74"	5.71	3.74	1.85	2.4	0.5	1.1	1.34	M10	65	2.36
39318	HSK100A x SFC5/8" - 3.94"	5.91	3.94	1.97	2.59	0.625	1.06	1.34	M12	110	2.34
39320	HSK100A x SFC3/4" - 4.13"	6.1	4.13	2.04	2.79	0.75	1.42	1.65	M16	320	2.62
39324	HSK100A x SFC1" - 4.53"	6.5	4.53	2.28	3.18	1	2.09	1.81	M20	500	3.13
39326	HSK100A x SFC1-1/4" - 4.72"	6.69	4.72	2.28	3.18	1.25	2.09	1.81	M20	550	3.07

Features:

- ▶ High rigidity. ▶ T.I.R.: within 5 μ. ▶ Slim design. ▶ Easy operation.

Product information:

- ▶ We accept special order of the design with 6 threaded holes for balance with balancing screws.
- ▶ Balance: G2.5 25,000 rpm. 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 Preset Screw Key For Coolant Supply Unit

P.W-60



P.W-82



P.W-60

HSK / SFCT SHRINK FIT CHUCK

LENGTHENED TYPE

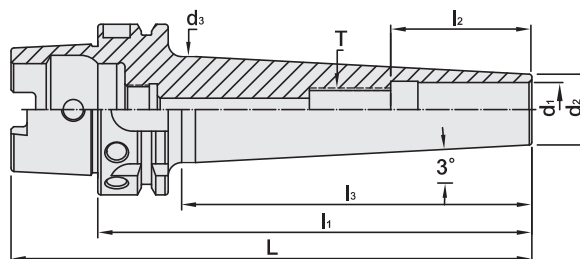
3°

HSK / SFCT 熱膨脹刀桿

(DIN 69893-1)



T W PAT NO. M284478
J P PAT NO. 3134091
J P PAT NO. 3200356
T R PAT NO. TR 200703317 Y
D E PAT NO. Nr.202007006594.9
U S PAT NO. US75564618.2



MODEL NO.	TYPE	L	l ₁	l ₂	l ₃	d ₁	d ₂	d ₃	T	TORQUE N.m min	WEIGHT (KGS)
39082T - 120	HSK40A x SFCT3 - 120	140	120	18	95	3	9	18	-	18	0.30
39084T - 120	HSK40A x SFCT4 - 120	140	120	20	95	4	10	18	-	18	0.32
39086T - 120	HSK40A x SFCT5 - 120	140	120	20	95	5	11	20	-	18	0.34
39088T - 120	HSK40A x SFCT6 - 120	140	120	36	95	6	12	20	M5	18	0.35
39090T - 120	HSK40A x SFCT8 - 120	140	120	36	89	8	14	24	M6	35	0.40
39092T - 120	HSK40A x SFCT10 - 120	140	120	42	89	10	16	26	M8	65	0.44
39094T - 120	HSK40A x SFCT12 - 120	140	120	47	89	12	18	28	M10	110	0.47
39100T - 120	HSK50A x SFCT3 - 120	145	120	18	89	3	9	18	-	18	0.49
39102T - 120	HSK50A x SFCT4 - 120	145	120	20	89	4	10	18	-	18	0.49
39104T - 120	HSK50A x SFCT5 - 120	145	120	20	89	5	11	20	-	18	0.51
39106T - 120	HSK50A x SFCT6 - 120	145	120	36	89	6	12	20	M5	18	0.53
39108T - 120	HSK50A x SFCT8 - 120	145	120	36	83	8	14	24	M6	35	0.57
39110T - 120	HSK50A x SFCT10 - 120	145	120	42	83	10	16	26	M8	65	0.60
39112T - 120	HSK50A x SFCT12 - 120	145	120	47	83	12	18	28	M10	110	0.64
39114T - 120	HSK50A x SFCT14 - 120	145	120	47	83	14	20	30	M10	150	0.68
39116T - 120	HSK50A x SFCT16 - 120	145	120	50	83	16	22	32	M12	200	0.71
39118T - 120	HSK50A x SFCT18 - 120	145	120	52	89	18	24	32	M12	250	0.74
39121T	HSK50A x SFCT20 - 160	185	160	52	129	20	26	35	M16	320	1.07
39123T	HSK50A x SFCT25 - 160	185	160	47	132	25	31	40	M20	500	1.26

Features:

- High rigidity. ► T.I.R.: within 5 µ. ► Slim design. ► Easy operation.

Product information:

- We accept special order of the design with 6 threaded holes for balance with balancing screws.
- Balance: G2.5 25,000 rpm. 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 Preset Screw Key For Coolant Supply Unit

		
P.W-60	P.W-82	P.W-60



HSK / SFCT SHRINK FIT CHUCK

LENGTHENED TYPE

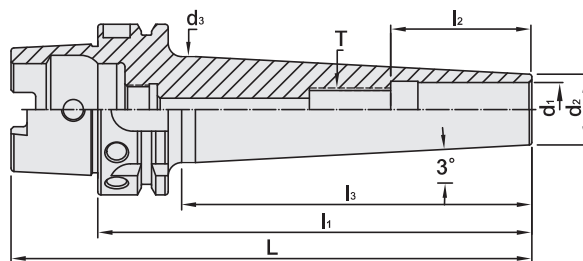
3°

HSK / SFCT 熱膨脹刀桿

(DIN 69893-1)



T W PAT NO. M284478
J P PAT NO. 3134091
J P PAT NO. 3200356
T R PAT NO. TR 200703317 Y
D E PAT NO. Nr.202007006594.9
U S PAT NO. US75564618.2



MODEL NO.	TYPE	L	l ₁	l ₂	l ₃	d ₁	d ₂	d ₃	T	TORQUE N.m min	WEIGHT (KGS)
39130T - 120	HSK63A x SFCT3 - 120	152	120	18	84	3	9	18	-	18	0.73
39131T	HSK63A x SFCT3 - 160	192	160	18	129	3	9	20	-	18	0.81
39132T - 120	HSK63A x SFCT4 - 120	152	120	20	89	4	10	18	-	18	0.75
39133T	HSK63A x SFCT4 - 160	192	160	20	129	4	10	20	-	18	0.85
39134T - 120	HSK63A x SFCT5 - 120	152	120	20	91	5	11	20	M6	18	0.76
39135T	HSK63A x SFCT5 - 160	192	160	20	123	5	11	25	-	18	0.87
39136T - 120	HSK63A x SFCT6 - 120	152	120	36	89	6	12	20	M5	18	0.78
39137T	HSK63A x SFCT6 - 160	192	160	36	124	6	12	25	M5	18	0.92
39138T - 120	HSK63A x SFCT8 - 120	152	120	36	83	8	14	24	M6	35	0.82
39139T	HSK63A x SFCT8 - 160	192	160	36	122	8	14	29	M6	35	0.97
39140T - 120	HSK63A x SFCT10 - 120	152	120	42	78	10	16	26	M8	65	0.86
39141T	HSK63A x SFCT10 - 160	192	160	42	122	10	16	31	M8	65	1.04
39142T - 120	HSK63A x SFCT12 - 120	152	120	47	78	12	18	28	M10	110	0.89
39143T	HSK63A x SFCT12 - 160	192	160	47	122	12	18	33	M10	110	1.10
39144T - 120	HSK63A x SFCT14 - 120	152	120	47	83	14	20	30	M10	150	0.93
39145T	HSK63A x SFCT14 - 160	192	160	47	122	14	20	35	M10	150	1.17
39146T - 120	HSK63A x SFCT16 - 120	152	120	50	83	16	22	32	M12	200	0.96
39147T	HSK63A x SFCT16 - 160	192	160	50	122	16	22	37	M12	200	1.23
39148T - 120	HSK63A x SFCT18 - 120	152	120	50	89	18	24	32	M12	250	1.00
39149T	HSK63A x SFCT18 - 160	192	160	50	122	18	24	39	M12	250	1.31
39151T	HSK63A x SFCT20 - 160	192	160	52	129	20	26	39	M16	320	1.37
39153T	HSK63A x SFCT25 - 160	192	160	58	123	25	31	45	M20	500	1.55
39155T	HSK63A x SFCT32 - 160	192	160	58	129	32	38	49	M20	550	1.85

Features:

- ▶ High rigidity. ▶ T.I.R.: within 5 μ. ▶ Slim design. ▶ Easy operation.

Product information:

- ▶ We accept special order of the design with 6 threaded holes for balance with balancing screws.
- ▶ Balance: G2.5 25,000 rpm. 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 Preset Screw Key For Coolant Supply Unit

P.W-60



P.W-82



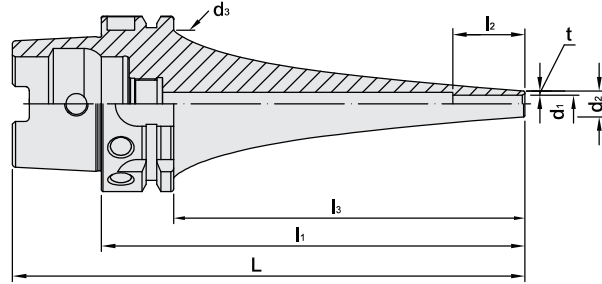
P.W-60

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)
73.768.04.150	HSK63A x SFC4 - 150CUL	175	150	10	124	4	10	53	3	0.9
73.768.04.200	HSK63A x SFC4 - 200CUL	225	200	10	174	4	10	53	3	1.1
73.768.04.250	HSK63A x SFC4 - 250CUL	275	250	10	224	4	10	53	3	1.6
73.768.04.300	HSK63A x SFC4 - 300CUL	325	300	10	274	4	10	53	3	2.3
73.768.06.150	HSK63A x SFC6 - 150CUL	175	150	26	124	6	13	53	3.5	1.3
73.768.06.200	HSK63A x SFC6 - 200CUL	225	200	26	174	6	13	53	3.5	1.4
73.768.06.250	HSK63A x SFC6 - 250CUL	275	250	26	224	6	13	53	3.5	1.8
73.768.06.300	HSK63A x SFC6 - 300CUL	325	300	26	274	6	13	53	3.5	2.3
73.768.08.150	HSK63A x SFC8 - 150CUL	175	150	26	124	8	16	53	4	1.4
73.768.08.200	HSK63A x SFC8 - 200CUL	225	200	26	174	8	16	53	4	1.6
73.768.08.250	HSK63A x SFC8 - 250CUL	275	250	26	224	8	16	53	4	1.9
73.768.08.300	HSK63A x SFC8 - 300CUL	325	300	26	274	8	16	53	4	2.3
73.768.10.150	HSK63A x SFC10 - 150CUL	175	150	32	124	10	19	53	4.5	1.3
73.768.10.200	HSK63A x SFC10 - 200CUL	225	200	32	174	10	19	53	4.5	1.6
73.768.10.250	HSK63A x SFC10 - 250CUL	275	250	32	224	10	19	53	4.5	2.1
73.768.10.300	HSK63A x SFC10 - 300CUL	325	300	32	274	10	19	53	4.5	2.3
73.768.12.150	HSK63A x SFC12 - 150CUL	175	150	37	124	12	22	53	5	1.5
73.768.12.200	HSK63A x SFC12 - 200CUL	225	200	37	174	12	22	53	5	1.6
73.768.12.250	HSK63A x SFC12 - 250CUL	275	250	37	224	12	22	53	5	2.3
73.768.12.300	HSK63A x SFC12 - 300CUL	325	300	37	274	12	22	53	5	2.5
75.768.12.300	HSK100A x SFC12 - 300CUL	350	300	37	271	12	22	85	5	4.8

Features:

- ▶ The most ideal tool holder design for 5 axis machining centers.
- ▶ Unique curved design avoids interference effectively.
- ▶ The design of slim nose and short overhanging length of cutter extends tool use life.
- ▶ The design of thick neck improves the rigidity during machining and product quality.

Product information:

- ▶ Balance: G2.5 25,000 rpm. Higher balancing grade and revolution can be done upon request but additional charge is needed.

Coolant Supply Unit Preset Screw Key For Coolant Supply Unit



P.W-60



P.W-82



P.W-60

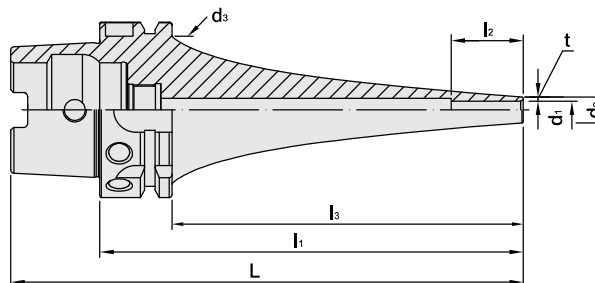


HSK / SFC SHRINK FIT CHUCK

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)
75.768.04.150	HSK100A x SFC4 - 150CUL	200	150	10	121	4	10	85	3	3.6
75.768.04.200	HSK100A x SFC4 - 200CUL	250	200	10	171	4	10	85	3	4.1
75.768.04.250	HSK100A x SFC4 - 250CUL	300	250	10	221	4	10	85	3	4.5
75.768.04.300	HSK100A x SFC4 - 300CUL	350	300	10	271	4	10	85	3	4.8
75.768.06.150	HSK100A x SFC6 - 150CUL	200	150	26	121	6	13	85	3.5	6.6
75.768.06.200	HSK100A x SFC6 - 200CUL	250	200	26	171	6	13	85	3.5	4.7
75.768.06.250	HSK100A x SFC6 - 250CUL	300	250	26	221	6	13	85	3.5	5.4
75.768.06.300	HSK100A x SFC6 - 300CUL	350	300	26	271	6	13	85	3.5	6.1
75.768.08.150	HSK100A x SFC8 - 150CUL	200	150	26	121	8	16	85	4	6.5
75.768.08.200	HSK100A x SFC8 - 200CUL	250	200	26	171	8	16	85	4	6.9
75.768.08.250	HSK100A x SFC8 - 250CUL	300	250	26	221	8	16	85	4	4.6
75.768.08.300	HSK100A x SFC8 - 300CUL	350	300	26	271	8	16	85	4	4.9
75.768.10.150	HSK100A x SFC10 - 150CUL	200	150	32	121	10	19	85	4.5	3.5
75.768.10.200	HSK100A x SFC10 - 200CUL	250	200	32	171	10	19	85	4.5	4.1
75.768.10.250	HSK100A x SFC10 - 250CUL	300	250	32	221	10	19	85	4.5	4.9
75.768.10.300	HSK100A x SFC10 - 300CUL	350	300	32	271	10	19	85	4.5	5.2
75.768.12.150	HSK100A x SFC12 - 150CUL	200	150	37	121	12	22	85	5	3.6
75.768.12.200	HSK100A x SFC12 - 200CUL	250	200	37	171	12	22	85	5	4.4
75.768.12.250	HSK100A x SFC12 - 250CUL	300	250	37	221	12	22	85	5	4.6
75.768.12.300	HSK100A x SFC12 - 300CUL	350	300	37	271	12	22	85	5	4.8

Features:

- ▶ The most ideal tool holder design for 5 axis machining centers.
- ▶ Unique curved design avoids interference effectively.
- ▶ The design of slim nose and short overhanging length of cutter extends tool use life.
- ▶ The design of thick neck improves the rigidity during machining and product quality.

Product information:

- ▶ Balance: G2.5 25,000 rpm. Higher balancing grade and revolution can be done upon request but additional charge is needed.

Coolant Supply Unit Preset Screw Key For Coolant Supply Unit



P.W-60



P.W-82



P.W-60

HSK / SFC SHRINK FIT CHUCK

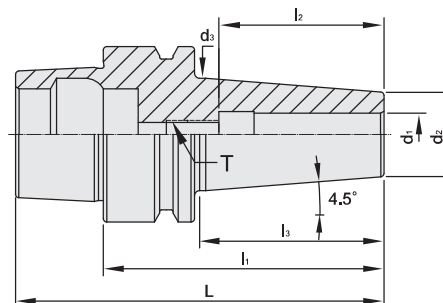
4.5°

HSK / SFC 熱膨脹刀桿

(DIN 69893-5)



T W PAT NO. M284478
J P PAT NO. 3134091
J P PAT NO. 3200356
T R PAT NO. TR 200703317 Y
D E PAT NO. Nr.202007006594.9
U S PAT NO. US75564618.2



MODEL NO.	TYPE	L	l ₁	l ₂	l ₃	d ₁	d ₂	d ₃	T	TORQUE N.m min	WEIGHT (KGS)
39044 - E	HSK25E x SFC3 - 50	63	50	18	37	3	9	13	-	18	0.07
39046 - E	HSK25E x SFC4 - 50	63	50	20	38	4	10	16.079	-	18	0.08
39048 - E	HSK25E x SFC5 - 50	63	50	20	39	5	16	20	-	18	0.12
39052 - E	HSK32E x SFC3 - 50	66	50	18	27	3	9	13.287	-	18	0.14
39052 - 60 - E	HSK32E x SFC3 - 60	76	60	18	35.3	3	10	15.5	-	18	0.16
39054 - E	HSK32E x SFC4 - 50	66	50	20	27	4	10	14.287	-	18	0.14
39054 - 60 - E	HSK32E x SFC4 - 60	76	60	20	35.3	4	10	15.5	-	18	0.16
39056 - E	HSK32E x SFC5 - 50	66	50	20	29	5	16	20	-	18	0.17
39056 - 60 - E	HSK32E x SFC5 - 60	76	60	20	35.3	5	10	15.5	-	18	0.16
39058 - E	HSK32E x SFC6 - 50	66	50	36	29	6	21	25	-	18	0.21
39058 - 70 - E	HSK32E x SFC6 - 70	86	70	36	50	6	21	26	M5	18	0.29
39060 - E	HSK32E x SFC8 - 60	76	60	36	39	8	21	26	M6	35	0.24
39060 - 70 - E	HSK32E x SFC8 - 70	86	70	36	50	8	21	26	M6	35	0.28
39062 - E	HSK32E x SFC10 - 60	76	60	42	39	10	21	26	M8	65	0.23
39062 - 80 - E	HSK32E x SFC10 - 80	96	80	42	50	10	24	32	M8	65	0.36
39064 - E	HSK32E x SFC12 - 70	86	70	47	49	12	21	26	M10	110	0.26

Features:

- ▶ High rigidity. ▶ T.I.R.: within 5 μ. ▶ Slim design. ▶ Easy operation.

Product information:

- ▶ We accept special order of the design with 6 threaded holes for balance with balancing screws.
- ▶ Balance: G2.5 25,000 rpm. 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.W-82



HSK / SFC SHRINK FIT CHUCK

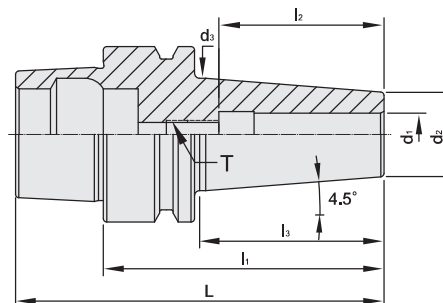
4.5°

HSK / SFC 熱膨脹刀桿

(DIN 69893-5)



T W PAT NO. M284478
J P PAT NO. 3134091
J P PAT NO. 3200356
T R PAT NO. TR 200703317 Y
D E PAT NO. Nr.202007006594.9
U S PAT NO. US75564618.2



MODEL NO.	TYPE	L	l ₁	l ₂	l ₃	d ₁	d ₂	d ₃	T	TORQUE N.m min	WEIGHT (KGS)
39082 - 50 - E	HSK40E x SFC3 - 50	70	50	18	25	3	9	12.997	-	18	0.22
39082 - 60 - E	HSK40E x SFC3 - 60	80	60	18	35.3	3	10	15.5	-	18	0.24
39082 - E	HSK40E x SFC3 - 80	100	80	18	49	3	9	18	-	18	0.27
39084 - 50 - E	HSK40E x SFC4 - 50	70	50	20	25	4	10	13.997	-	18	0.24
39084 - 60 - E	HSK40E x SFC4 - 60	80	60	20	35.3	4	10	15.5	-	18	0.24
39084 - E	HSK40E x SFC4 - 80	100	80	20	49	4	10	22	-	18	0.29
39086 - 50 - E	HSK40E x SFC5 - 50	70	50	20	25	5	16	19.997	-	18	0.26
39086 - 60 - E	HSK40E x SFC5 - 60	80	60	20	35.3	5	10	15.5	-	18	0.24
39086 - E	HSK40E x SFC5 - 80	100	80	20	55	5	16	22	-	18	0.35
39088 - 50 - E	HSK40E x SFC6 - 50	70	50	36	29	6	21	25.577	-	18	0.30
39088 - 60 - E	HSK40E x SFC6 - 60	80	60	36	38	6	21	27	M5	18	0.32
39088 - E	HSK40E x SFC6 - 80	100	80	36	59	6	21	27	M5	18	0.43
39090 - 50 - E	HSK40E x SFC8 - 50	70	50	36	29	8	21	25.577	-	35	0.32
39090 - 60 - E	HSK40E x SFC8 - 60	80	60	36	38	8	21	27	M6	35	0.31
39090 - E	HSK40E x SFC8 - 80	100	80	36	59	8	21	27	M6	35	0.42
39092 - 60 - E	HSK40E x SFC10 - 60	80	60	42	38.1	10	24	30	M8	65	0.35
39092 - 80 - E	HSK40E x SFC10 - 80	100	80	42	59	10	24	32	M8	65	0.47
39092 - E	HSK40E x SFC10 - 85	105	85	42	64	10	24	32	M8	65	0.51
39094 - 60 - E	HSK40E x SFC12 - 60	80	60	47	38.1	12	24	30	M10	110	0.30
39094 - E	HSK40E x SFC12 - 90	110	90	47	69	12	24	32	M10	110	0.52
39096 - E	HSK40E x SFC14 - 60	80	60	47	40	14	27	34	M10	150	0.37
39096 - 90 - E	HSK40E x SFC14 - 90	110	90	47	70	14	27	34	M10	150	0.57
39098 - E	HSK40E x SFC16 - 60	80	60	50	40	16	27	34	M12	200	0.36
39098 - 90 - E	HSK40E x SFC16 - 90	110	90	50	70	16	27	34	M12	200	0.56

Features:

- ▶ High rigidity. ▶ T.I.R.: within 5 μ. ▶ Slim design. ▶ Easy operation.

Product information:

- ▶ We accept special order of the design with 6 threaded holes for balance with balancing screws.
- ▶ Balance: G2.5 25,000 rpm. 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.W-82

HSK / SFC SHRINK FIT CHUCK

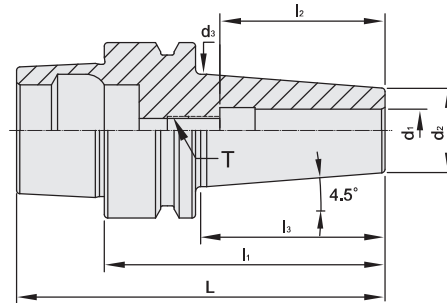
4.5°

HSK / SFC 熱膨脹刀桿

(DIN 69893-5)



T W PAT NO. M284478
J P PAT NO. 3134091
J P PAT NO. 3200356
T R PAT NO. TR 200703317 Y
D E PAT NO. Nr.202007006594.9
U S PAT NO. US75564618.2



MODEL NO.	TYPE	L	l ₁	l ₂	l ₃	d ₁	d ₂	d ₃	T	TORQUE N.m min	WEIGHT (KGS)
39100 - 60 - E	HSK50E x SFC3 - 60	80	60	18	24.7	3	10	13.9	M6	18	0.44
39100 - E	HSK50E x SFC3 - 80	105	80	18	42	3	9	18	M6	18	0.47
39102 - 60 - E	HSK50E x SFC4 - 60	80	60	20	24.7	4	10	13.9	M6	18	0.44
39102 - E	HSK50E x SFC4 - 80	105	80	20	49	4	10	17.7	M6	18	0.40
39104 - 60 - E	HSK50E x SFC5 - 60	80	60	20	24.7	5	10	13.9	M6	18	0.44
39104 - E	HSK50E x SFC5 - 80	105	80	20	49	5	16	22	M6	18	0.54
39106 - E	HSK50E x SFC6 - 80	105	80	36	49	6	21	27	M5	18	0.62
39106 - 130 - E	HSK50E x SFC6 - 130	155	130	36	99	6	21	27	M5	18	0.82
39108 - E	HSK50E x SFC8 - 80	105	80	36	49	8	21	27	M6	35	0.61
39108 - 130 - E	HSK50E x SFC8 - 130	155	130	36	99	8	21	27	M6	35	0.82
39110 - E	HSK50E x SFC10 - 80	105	80	42	52	10	24	32	M8	65	0.65
39110 - 85 - E	HSK50E x SFC10 - 85	110	85	42	57.5	10	24	32	M8	65	0.67
39110 - 130 - E	HSK50E x SFC10 - 130	155	130	42	99	10	24	32	M8	65	0.95
39112 - E	HSK50E x SFC12 - 80	105	80	47	52	12	24	32	M10	110	0.64
39112 - 90 - E	HSK50E x SFC12 - 90	115	90	47	59	12	24	32	M10	110	0.69
39112 - 130 - E	HSK50E x SFC12 - 130	155	130	47	99	12	24	32	M10	110	0.94
39114 - E	HSK50E x SFC14 - 90	115	90	47	59	14	24	32	M10	150	0.68
39114 - 130 - E	HSK50E x SFC14 - 130	155	130	47	130	14	27	34	M10	150	1.22
39116 - E	HSK50E x SFC16 - 95	120	95	50	67	16	27	34	M12	200	0.75
39116 - 130 - E	HSK50E x SFC16 - 130	155	130	50	130	16	27	34	M12	200	1.20
39118 - E	HSK50E x SFC18 - 95	120	95	50	68	18	33	42	M12	250	0.93
39120 - E	HSK50E x SFC20 - 100	125	100	52	73	20	33	42	M16	320	0.93
39122 - E	HSK50E x SFC25 - 115	140	115	47	88	25	44	53	M20	500	1.39

Features:

- High rigidity. ► T.I.R.: within 5 μ. ► Slim design. ► Easy operation.

Product information:

- We accept special order of the design with 6 threaded holes for balance with balancing screws.
- Balance: G2.5 25,000 rpm. 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.W-82



HSK / SFC SHRINK FIT CHUCK

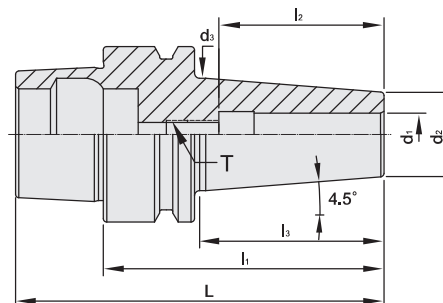
4.5°

HSK / SFC 熱膨脹刀桿

[DIN 69893-5]



T W PAT NO. M284478
J P PAT NO. 3134091
J P PAT NO. 3200356
T R PAT NO. TR 200703317 Y
D E PAT NO. Nr.202007006594.9
U S PAT NO. US75564618.2



MODEL NO.	TYPE	L	l ₁	l ₂	l ₃	d ₁	d ₂	d ₃	T	TORQUE N.m min	WEIGHT (KGS)
39130 - E	HSK63E x SFC3 - 80	112	80	18	49	3	9	15	M6	18	0.74
39132 - E	HSK63E x SFC4 - 80	112	80	20	44	4	10	17	M6	18	0.76
39134 - E	HSK63E x SFC5 - 80	112	80	20	51	5	16	22	M6	18	0.81
39136 - E	HSK63E x SFC6 - 80	112	80	36	51	6	21	27	M5	18	0.89
39138 - E	HSK63E x SFC8 - 80	112	80	36	51	8	21	27	M6	35	0.88
39140 - E	HSK63E x SFC10 - 85	117	85	42	57	10	24	32	M8	65	0.96
39142 - E	HSK63E x SFC12 - 90	122	90	47	59	12	24	32	M10	110	0.98
39144 - E	HSK63E x SFC14 - 90	122	90	47	59	14	24	32	M10	150	0.96
39146 - E	HSK63E x SFC16 - 95	127	95	50	64	16	27	34	M12	200	1.04
39148 - E	HSK63E x SFC18 - 95	127	95	52	64	18	33	42	M12	250	1.21
39150 - E	HSK63E x SFC20 - 100	132	100	58	69	20	33	42	M16	320	1.21
39152 - E	HSK63E x SFC25 - 115	147	115	58	88	25	44	53	M20	500	1.79

Features:

- High rigidity. ► T.I.R.: within 5 μ. ► Slim design. ► Easy operation.

Product information:

- We accept special order of the design with 6 threaded holes for balance with balancing screws.
- Balance: G2.5 25,000 rpm. 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.W-82

HSK / SFC SHRINK FIT CHUCK

4.5°

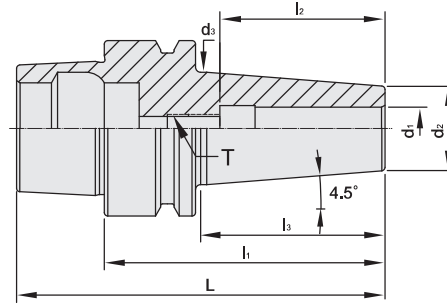
HSK / SFC 熱膨脹刀桿

(DIN 69893-5)



T W PAT NO. M284478
J P PAT NO. 3134091
J P PAT NO. 3200356
T R PAT NO. TR 200703317 Y
D E PAT NO. Nr.202007006594.9
U S PAT NO. US75564618.2

INCHES



MODEL NO.	TYPE	L	l ₁	l ₂	l ₃	d ₁	d ₂	d ₃	T	TORQUE N.m min	WEIGHT (KGS)
38952 - E	HSK25E x SFC 1/8" - 1.97"	2.48	1.97	0.71	1.45	0.125	0.36	0.51	-	18	0.07
38954 - E	HSK25E x SFC 3/16" - 1.97"	2.48	1.97	0.79	1.12	0.1875	0.43	0.71	-	18	0.09
38956 - E	HSK25E x SFC 1/4" - 1.97"	2.48	1.97	0.79	1.49	0.25	0.55	0.71	-	18	0.10
38962 - E	HSK32E x SFC 1/8" - 1.97"	2.6	1.97	0.71	1.07	0.125	0.36	0.53	-	18	0.14
38964 - E	HSK32E x SFC 3/16" - 1.97"	2.6	1.97	0.79	1.07	0.1875	0.43	0.59	-	18	0.15
38966 - E	HSK32E x SFC 1/4" - 1.97"	2.6	1.97	1.42	1.07	0.25	0.71	0.88	-	18	0.19
38968 - E	HSK32E x SFC 5/16" - 2.36"	2.99	2.36	1.42	1.53	0.3125	0.79	1.02	-	35	0.23
38970 - E	HSK32E x SFC 3/8" - 2.36"	2.99	2.36	1.53	1.53	0.375	0.94	1.02	-	65	0.26
39002 - E	HSK40E x SFC 3/16" - 3.54"	4.33	3.54	0.79	2.67	0.1875	0.43	0.71	-	18	0.30
39004 - E	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
39006 - E	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
39008 - E	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
39010 - E	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:

- High rigidity. ► T.I.R.: within 5 μ . ► Slim design. ► Easy operation.

Product information:

- We accept special order of the design with 6 threaded holes for balance with balancing screws.
- Balance: G2.5 25,000 rpm. 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.W-82



HSK / SFC SHRINK FIT CHUCK

4.5°

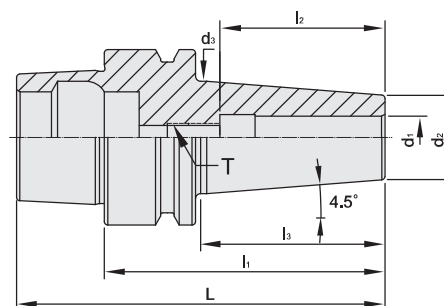
HSK / SFC 熱膨脹刀桿

(DIN 69893-5)



T W PAT NO. M284478
J P PAT NO. 3134091
J P PAT NO. 3200356
T R PAT NO. TR 200703317 Y
D E PAT NO. Nr.202007006594.9
U S PAT NO. US75564618.2

INCHES



MODEL NO.	TYPE	L	l ₁	l ₂	l ₃	d ₁	d ₂	d ₃	T	TORQUE N.m min	WEIGHT (KGS)
39014 - E	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
39016 - E	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
39018 - E	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
39020 - E	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
39022 - E	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
39024 - E	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
39025 - E	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
39026 - E	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
39030 - E	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
39032 - E	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
39034 - E	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
39036 - E	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
39038 - E	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
39039 - E	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
39040 - E	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
39042 - E	HSK63E x SFC 1" - 3.94"	5.2	3.94	2.04	2.71	1	1.42	1.65	M20	500	1.20

Features:

- ▶ High rigidity. ▶ T.I.R.: within 5 μ. ▶ Slim design. ▶ Easy operation.

Product information:

- ▶ We accept special order of the design with 6 threaded holes for balance with balancing screws.
- ▶ Balance: G2.5 25,000 rpm. 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.W-82

HSK / SFCT SHRINK FIT CHUCK

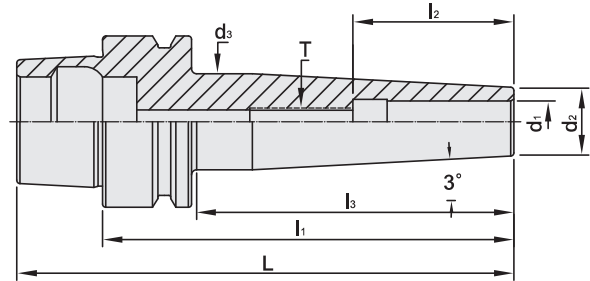
3°

HSK / SFCT 熱膨脹刀桿

(DIN 69893-5)



T W PAT NO. M284478
J P PAT NO. 3134091
J P PAT NO. 3200356
T R PAT NO. TR 200703317 Y
D E PAT NO. Nr.2007006594.9
U S PAT NO. US75564618.2



MODEL NO.	TYPE	L	l ₁	l ₂	l ₃	d ₁	d ₂	d ₃	T	TORQUE N.m min	WEIGHT (KGS)
39044T - 35 - E	HSK25E x SFCT3 - 35	48	35	18	21.2	3	9	11.2	-	18	0.05
39044T - 45 - E	HSK25E x SFCT3 - 45	58	45	18	31.2	3	9	12.2	-	18	0.06
39044T - 100 - E	HSK25E x SFCT3 - 100	113	100	18	79	3	9	18	-	18	0.14
39046T - 35 - E	HSK25E x SFCT4 - 35	48	35	20	21.2	4	10	12.4	-	18	0.05
39046T - 45 - E	HSK25E x SFCT4 - 45	58	45	20	33.1	4	10	13.4	-	18	0.06
39046T - 100 - E	HSK25E x SFCT4 - 100	113	100	20	88	4	10	18	-	18	0.15
39048T - 35 - E	HSK25E x SFCT5 - 35	48	35	20	23.1	5	11	13.4	-	18	0.05
39048T - 45 - E	HSK25E x SFCT5 - 45	58	45	20	33.1	5	11	14.4	-	18	0.06
39048T - 100 - E	HSK25E x SFCT5 - 100	113	100	20	79	5	11	20	-	18	0.17
39049T - 40 - E	HSK25E x SFCT6 - 40	53	40	27.5	28.1	6	12	14.9	-	18	0.06
39049T - 45 - E	HSK25E x SFCT6 - 45	58	45	27.5	33.1	6	12	15.4	-	18	0.07
39050T - 40 - E	HSK25E x SFCT8 - 40	53	40	27	28.1	8	14	16.9	-	35	0.07
39050T - 50 - E	HSK25E x SFCT8 - 50	63	50	27	39	8	14	18	-	35	0.08
39051T - 40 - E	HSK25E x SFCT10 - 40	53	40	26.5	29	10	16	18	-	65	0.07
39051T - 50 - E	HSK25E x SFCT10 - 50	63	50	26.5	39	10	16	18	-	65	0.09
39053T - 40 - E	HSK25E x SFCT12 - 40	53	40	26	30	12	18	20	-	110	0.08
39053T - 50 - E	HSK25E x SFCT12 - 50	63	50	35.5	40	12	18	20	-	110	0.09
39052T - 100 - E	HSK32E x SFCT3 - 100	116	100	18	69	3	9	18	-	18	0.22
39054T - 100 - E	HSK32E x SFCT4 - 100	116	100	20	69	4	10	18	-	18	0.21
39056T - 100 - E	HSK32E x SFCT5 - 100	116	100	20	69	5	11	20	-	18	0.23
39058T - 100 - E	HSK32E x SFCT6 - 100	116	100	36	78	6	12	20	M5	18	0.24
39060T - 100 - E	HSK32E x SFCT8 - 100	116	100	36	68	8	14	24	M6	35	0.27
39062T - 100 - E	HSK32E x SFCT10 - 100	116	100	42	68	10	16	26	M8	65	0.29
39064T - 100 - E	HSK32E x SFCT12 - 100	116	100	47	69	12	18	26	M10	110	0.31

Features:

- ▶ High rigidity. ▶ T.I.R.: within 5 μ. ▶ Slim design. ▶ Easy operation.

Product information:

- ▶ We accept special order of the design with 6 threaded holes for balance with balancing screws.
- ▶ Balance: G2.5 25,000 rpm. 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.W-82



HSK / SFCT SHRINK FIT CHUCK

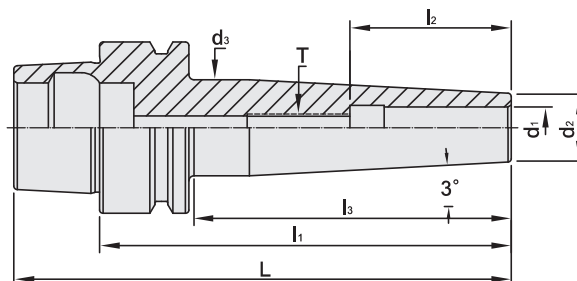
3°

HSK / SFCT 熱膨脹刀桿

[DIN 69893-5]



T W PAT NO. M284478
J P PAT NO. 3134091
J P PAT NO. 3200356
T R PAT NO. TR 200703317 Y
D E PAT NO. Nr.202007006594.9
U S PAT NO. US75564618.2



MODEL NO.	TYPE	L	l ₁	l ₂	l ₃	d ₁	d ₂	d ₃	T	TORQUE N.m min	WEIGHT (KGS)
39082T - 60 - E	HSK40E x SFCT3 - 60	80	60	18	35.4	3	9	14.5	-	18	0.23
39082T - 70 - E	HSK40E x SFCT3 - 70	90	70	18	45.4	3	9	16.1	-	18	0.25
39082T - E	HSK40E x SFCT3 - 80	100	80	18	55.4	3	9	17.7	-	18	0.27
39082T - 120 - E	HSK40E x SFCT3 - 120	140	120	18	95	3	9	18	-	18	0.32
39084T - 60 - E	HSK40E x SFCT4 - 60	80	60	20	35.4	4	10	15.5	-	18	0.23
39084T - 70 - E	HSK40E x SFCT4 - 70	90	70	20	45.4	4	10	17.1	-	18	0.26
39084T - E	HSK40E x SFCT4 - 80	100	80	20	55.4	4	10	18.7	-	18	0.28
39084T - 120 - E	HSK40E x SFCT4 - 120	140	120	20	95	4	10	18	-	18	0.34
39086T - 60 - E	HSK40E x SFCT5 - 60	80	60	20	35.4	5	11	16.5	-	18	0.25
39086T - 70 - E	HSK40E x SFCT5 - 70	90	70	20	45.4	5	11	18.1	-	18	0.27
39086T - E	HSK40E x SFCT5 - 80	100	80	20	55.4	5	11	19.7	-	18	0.29
39086T - 120 - E	HSK40E x SFCT5 - 120	140	120	20	95	5	11	20	-	18	0.36
39088T - 60 - E	HSK40E x SFCT6 - 60	80	60	36	35.4	6	12	17.5	M5	18	0.25
39088T - 70 - E	HSK40E x SFCT6 - 70	90	70	36	45.4	6	12	19.1	M5	18	0.27
39088T - E	HSK40E x SFCT6 - 80	100	80	36	55.4	6	12	20.7	M5	18	0.29
39088T - 120 - E	HSK40E x SFCT6 - 120	140	120	36	95	6	12	20	M5	18	0.37
39090T - 60 - E	HSK40E x SFCT8 - 60	80	60	36	35.4	8	14	19.5	M6	35	0.27
39090T - 70 - E	HSK40E x SFCT8 - 70	90	70	36	45.4	8	14	21.1	M6	35	0.29
39090T - E	HSK40E x SFCT8 - 80	100	80	36	55.4	8	14	22.7	M6	35	0.31
39090T - 120 - E	HSK40E x SFCT8 - 120	140	120	36	89	8	14	24	M6	35	0.41
39092T - 60 - E	HSK40E x SFCT10 - 60	80	60	42	35.4	10	16	21.5	M8	65	0.29
39092T - 70 - E	HSK40E x SFCT10 - 70	90	70	42	45.4	10	16	23.1	M8	65	0.31
39092T - E	HSK40E x SFCT10 - 80	100	80	42	55.4	10	16	24.7	M8	65	0.33
39092T - 120 - E	HSK40E x SFCT10 - 120	140	120	42	89	10	16	26	M8	65	0.45
39094T - 60 - E	HSK40E x SFCT12 - 60	80	60	47	39.1	12	18	24.1	M10	110	0.27
39094T - 70 - E	HSK40E x SFCT12 - 70	90	70	47	49.1	12	18	25.7	M10	110	0.32
39094T - E	HSK40E x SFCT12 - 80	100	80	47	59.1	12	18	27.3	M10	110	0.34
39094T - 120 - E	HSK40E x SFCT12 - 120	140	120	47	89	12	18	28	M10	110	0.49

Features:

- ▶ High rigidity. ▶ T.I.R.: within 5 μ. ▶ Slim design. ▶ Easy operation.

Product information:

- ▶ We accept special order of the design with 6 threaded holes for balance with balancing screws.
- ▶ Balance: G2.5 25,000 rpm. 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.W-82

HSK / SFCT SHRINK FIT CHUCK

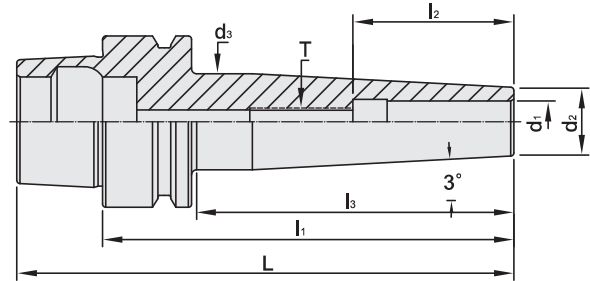
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HSK / SFCT 熱膨脹刀桿

(DIN 69893-5)



T W PAT NO. M284478
J P PAT NO. 3134091
J P PAT NO. 3200356
T R PAT NO. TR 200703317 Y
D E PAT NO. Nr.202007006594.9
U S PAT NO. US75564618.2



MODEL NO.	TYPE	L	l ₁	l ₂	l ₃	d ₁	d ₂	d ₃	T	TORQUE N.m min	WEIGHT (KGS)
39100T - 70 - E	HSK50E x SFCT3 - 70	95	70	19	34.5	3	9	12.6	M6	18	0.44
39100T - E	HSK50E x SFCT3 - 80	105	80	19	44.5	3	9	13.6	M6	18	0.46
39100T - 120 - E	HSK50E x SFCT3 - 120	145	120	20	89	3	9	18	-	18	0.51
39102T - 70 - E	HSK50E x SFCT4 - 70	95	70	22	34.5	4	10	13.6	M6	18	0.45
39102T - E	HSK50E x SFCT4 - 80	105	80	22	44.5	4	10	14.6	M6	18	0.46
39102T - 120 - E	HSK50E x SFCT4 - 120	145	120	20	89	4	10	18	-	18	0.53
39104T - 70 - E	HSK50E x SFCT5 - 70	95	70	25	34.5	5	11	14.6	M6	18	0.45
39104T - E	HSK50E x SFCT5 - 80	105	80	25	44.5	5	11	15.6	M6	18	0.47
39104T - 100 - E	HSK50E x SFCT5 - 100	125	100	25	64.5	5	11	17.7	M6	18	0.51
39104T - 120 - E	HSK50E x SFCT5 - 120	145	120	20	89	5	11	20	-	18	0.55
39106T - 70 - E	HSK50E x SFCT6 - 70	95	70	36	34.5	6	12	15.6	M5	18	0.46
39106T - E	HSK50E x SFCT6 - 80	105	80	36	44.5	6	12	16.6	M5	18	0.48
39106T - 100 - E	HSK50E x SFCT6 - 100	125	100	36	64.5	6	12	18.7	M5	18	0.52
39106T - 120 - E	HSK50E x SFCT6 - 120	145	120	36	89	6	12	20	M5	18	0.56
39108T - 70 - E	HSK50E x SFCT8 - 70	95	70	36	34.5	8	14	17.6	M6	35	0.47
39108T - E	HSK50E x SFCT8 - 80	105	80	36	44.5	8	14	18.6	M6	35	0.49
39108T - 100 - E	HSK50E x SFCT8 - 100	125	100	36	64.5	8	14	20.7	M6	35	0.54
39108T - 120 - E	HSK50E x SFCT8 - 120	145	120	36	78	8	14	24	M6	35	0.61
39110T - 70 - E	HSK50E x SFCT10 - 70	95	70	42	35.9	10	16	19.8	M8	65	0.48
39110T - E	HSK50E x SFCT10 - 80	105	80	42	46.4	10	16	20.8	M8	65	0.50
39110T - 100 - E	HSK50E x SFCT10 - 100	125	100	42	66.4	10	16	22.9	M8	65	0.57
39110T - 120 - E	HSK50E x SFCT10 - 120	145	120	42	78	10	16	26	M8	65	0.64
39112T - 70 - E	HSK50E x SFCT12 - 70	95	70	47	35.7	12	18	21.8	M10	110	0.48
39112T - E	HSK50E x SFCT12 - 80	105	80	47	46.4	12	18	22.8	M10	110	0.51
39112T - 100 - E	HSK50E x SFCT12 - 100	125	100	47	66.4	12	18	24.9	M10	110	0.59
39112T - 120 - E	HSK50E x SFCT12 - 120	145	120	47	78	12	18	28	M10	110	0.67
39114T - 120 - E	HSK50E x SFCT14 - 120	145	120	47	78	14	20	30	M10	150	0.72
39116T - 120 - E	HSK50E x SFCT16 - 120	145	120	50	78	16	22	32	M12	200	0.75
39118T - 120 - E	HSK50E x SFCT18 - 120	145	120	52	91	18	24	32	M12	250	0.77
39121T - E	HSK50E x SFCT20 - 160	185	160	52	131	20	26	35	M16	320	1.10
39123T - E	HSK50E x SFCT25 - 160	185	160	47	132	25	31	40	M20	500	1.30

Features:

- High rigidity. ► T.I.R.: within 5 μ. ► Slim design. ► Easy operation.

Product information:

- We accept special order of the design with 6 threaded holes for balance with balancing screws.
- Balance: G2.5 25,000 rpm. 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.W-82



HSK / SFCT SHRINK FIT CHUCK

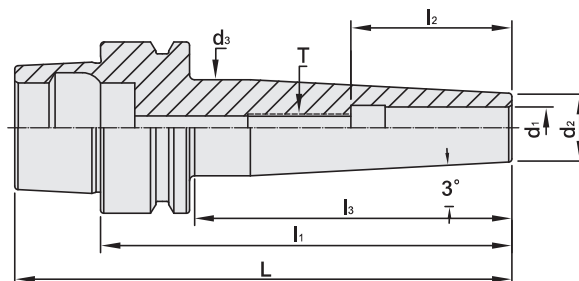
3°

HSK / SFCT 熱膨脹刀桿

(DIN 69893-5)



T W PAT NO. M284478
J P PAT NO. 3134091
J P PAT NO. 3200356
T R PAT NO. TR 200703317 Y
D E PAT NO. Nr.202007006594.9
U S PAT NO. US75564618.2



MODEL NO.	TYPE	L	l ₁	l ₂	l ₃	d ₁	d ₂	d ₃	T	TORQUE N.m min	WEIGHT (KGS)
39130T - 120 - E	HSK63E x SFCT3 - 120	152	160	18	91	3	9	18	-	18	0.79
39132T - 120 - E	HSK63E x SFCT4 - 120	152	120	20	91	4	10	18	-	18	0.80
39134T - 120 - E	HSK63E x SFCT5 - 120	152	120	20	91	5	11	20	-	18	0.81
39136T - 120 - E	HSK63E x SFCT6 - 120	152	120	36	89	6	12	20	M5	18	0.83
39138T - 120 - E	HSK63E x SFCT8 - 120	152	120	36	83	8	14	24	M6	35	0.87
39140T - 120 - E	HSK63E x SFCT10 - 120	152	120	42	83	10	16	26	M8	65	0.91
39142T - 120 - E	HSK63E x SFCT12 - 120	152	120	47	83	12	18	28	M10	110	0.94
39144T - 120 - E	HSK63E x SFCT14 - 120	152	120	47	83	14	20	30	M10	150	0.98
39146T - 120 - E	HSK63E x SFCT16 - 120	152	120	50	83	16	22	32	M12	200	1.02
39148T - 120 - E	HSK63E x SFCT18 - 120	152	120	52	89	18	24	32	M12	250	1.05
39151T - E	HSK63E x SFCT20 - 160	192	160	58	129	20	26	39	M16	320	1.41
39153T - E	HSK63E x SFCT25 - 160	192	160	58	123	25	31	45	M20	500	1.60

Features:

- ▶ High rigidity. ▶ T.I.R.: within 5 μ. ▶ Slim design. ▶ Easy operation.

Product information:

- ▶ We accept special order of the design with 6 threaded holes for balance with balancing screws.
- ▶ Balance: G2.5 25,000 rpm. 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



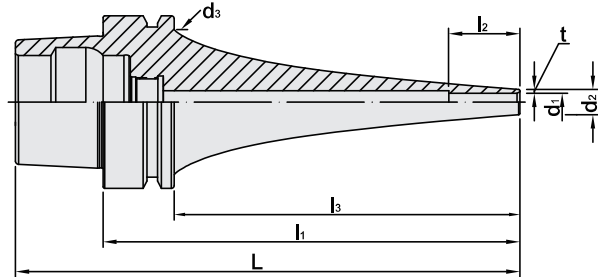
P.W-82

HSK / SFC-CUL 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)
100.768.04.150	HSK50E x SFC4 - 150CUL	175	150	10	124	4	10	42	3	0.8
100.768.06.150	HSK50E x SFC6 - 150CUL	175	150	26	124	6	13	42	3.5	0.9
100.768.08.150	HSK50E x SFC8 - 150CUL	175	150	26	124	8	16	42	4	0.9
100.768.10.150	HSK50E x SFC10 - 150CUL	175	150	32	124	10	19	42	4.5	0.9

Features:

- ▶ The most ideal tool holder design for 5 axis machining centers.
- ▶ Unique curved design avoids interference effectively.
- ▶ The design of slim nose and short overhanging length of cutter extends tool use life.
- ▶ The design of thick neck improves the rigidity during machining and product quality.

Product information:

- ▶ Balance: G2.5 25,000 rpm. Higher balancing grade and revolution can be done upon request but additional charge is needed.

Preset Screw



P.W-82



HSK / SFC SHRINK FIT CHUCK

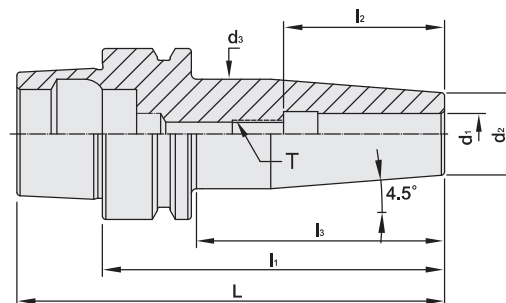
4.5°

HSK / SFC 熱膨脹刀桿

(DIN 69893-6)



T W PAT NO. M284478
 J P PAT NO. 3134091
 J P PAT NO. 3200356
 T R PAT NO. TR 200703317 Y
 D E PAT NO. Nr.202007006594.9
 U S PAT NO. US75564618.2



MODEL NO.	TYPE	L	l ₁	l ₂	l ₃	d ₁	d ₂	d ₃	T	TORQUE N.m min	WEIGHT (KGS)
39100 - F	HSK50F x SFC3 - 80	100	80	18	49	3	9	16.78	-	18	0.45
39102 - F	HSK50F x SFC4 - 80	100	80	20	49	4	10	17.78	-	18	0.45
39104 - F	HSK50F x SFC5 - 80	100	80	20	49	5	16	22	-	18	0.52
39106 - F	HSK50F x SFC6 - 80	100	80	36	49	6	21	27	M5	18	0.59
39108 - F	HSK50F x SFC8 - 80	100	80	36	49	8	21	27	M6	35	0.58
39110 - F	HSK50F x SFC10 - 85	105	85	42	54	10	24	32	M8	65	0.66
39112 - F	HSK50F x SFC12 - 90	110	90	47	59	12	24	32	M10	110	0.67
39114 - F	HSK50F x SFC14 - 90	110	90	47	59	14	24	32	M10	150	0.66
39116 - F	HSK50F x SFC16 - 95	115	95	50	67	16	27	34	M12	200	0.73
39118 - F	HSK50F x SFC18 - 95	115	95	50	68	18	33	42	M12	250	0.90
39120 - F	HSK50F x SFC20 - 100	120	100	52	73	20	33	42	M16	320	0.91

Features:

- High rigidity. ► T.I.R.: within 5 µ. ► Slim design. ► Easy operation.

Product information:

- We accept special order of the design with 6 threaded holes for balance with balancing screws.
- Balance: G2.5 25,000 rpm. 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.W-82

HSK / SFC SHRINK FIT CHUCK

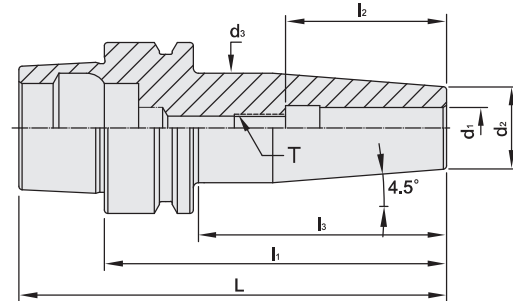
4.5°

HSK / SFC 熱膨脹刀桿

(DIN 69893-6)



T W PAT NO. M284478
J P PAT NO. 3134091
J P PAT NO. 3200356
T R PAT NO. TR 200703317 Y
D E PAT NO. Nr.202007006594.9
U S PAT NO. US75564618.2



MODEL NO.	TYPE	L	l ₁	l ₂	l ₃	d ₁	d ₂	d ₃	T	TORQUE N.m min	WEIGHT (KGS)
39130 - F	HSK63F x SFC3 - 80	105	80	18	45	3	9	18	-	18	0.69
39132 - F	HSK63F x SFC4 - 80	105	80	20	44	4	10	17.05	-	18	0.71
39134 - F	HSK63F x SFC5 - 80	105	80	20	49	5	16	22	-	18	0.77
39136 - F	HSK63F x SFC6 - 80	105	80	36	49	6	21	27	M5	18	0.84
39136 - 130 - F	HSK63F x SFC6 - 130	155	130	36	94	6	21	27	M5	18	1.04
39138 - F	HSK63F x SFC8 - 80	105	80	36	49	8	21	27	M6	35	0.83
39138 - 130 - F	HSK63F x SFC8 - 130	155	130	36	94	8	21	27	M6	35	1.03
39140 - 80 - F	HSK63F x SFC10 - 80	105	80	42	49	10	24	31.7	M8	65	0.90
39140 - F	HSK63F x SFC10 - 85	110	85	42	57	10	24	32	M8	65	0.91
39140 - 130 - F	HSK63F x SFC10 - 130	155	130	42	94	10	24	32	M8	65	1.15
39142 - F	HSK63F x SFC12 - 90	115	90	47	59	12	24	32	M10	110	0.93
39142 - 130 - F	HSK63F x SFC12 - 130	155	130	47	94	12	24	32	M10	65	1.13
39144 - F	HSK63F x SFC14 - 90	115	90	47	59	14	27	34	M10	150	0.97
39146 - F	HSK63F x SFC16 - 95	120	95	50	64	16	27	34	M12	200	0.98
39146 - 130 - F	HSK63F x SFC16 - 130	155	130	50	89	16	27	34	M12	200	1.18
39148 - F	HSK63F x SFC18 - 95	120	95	50	64	18	33	42	M12	250	1.16
39150 - F	HSK63F x SFC20 - 100	125	100	52	71	20	33	42	M16	320	1.16
39150 - 130 - F	HSK63F x SFC20 - 130	155	130	52	89	20	33	42	M16	320	1.45
39152 - F	HSK63F x SFC25 - 115	140	115	58	88	25	44	53	M20	500	1.74
39152 - 130 - F	HSK63F x SFC25 - 130	155	130	58	104	25	44	53	M20	500	1.98
39154 - F	HSK63F x SFC32 - 120	145	120	58	93	32	44	53	M20	550	1.68

Features:

- High rigidity. ► T.I.R.: within 5 μ. ► Slim design. ► Easy operation.

Product information:

- We accept special order of the design with 6 threaded holes for balance with balancing screws.
- Balance: G2.5 25,000 rpm. 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.W-82



HSK / SFC SHRINK FIT CHUCK

4.5°

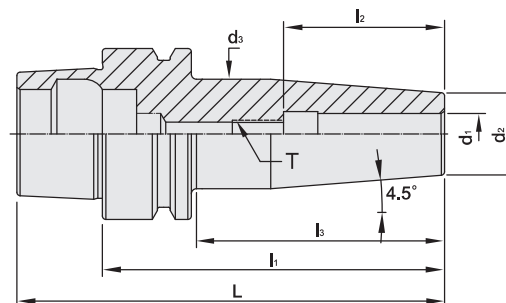
HSK / SFC 熱膨脹刀桿

[DIN 69893-6]



T W PAT NO. M284478
J P PAT NO. 3134091
J P PAT NO. 3200356
T R PAT NO. TR 200703317 Y
D E PAT NO. Nr.202007006594.9
U S PAT NO. US75564618.2

INCHES



MODEL NO.	TYPE	L	l ₁	l ₂	l ₃	d ₁	d ₂	d ₃	T	TORQUE N.m min	WEIGHT (KGS)
39016 - F	HSK50F x SFC3/16" - 3.54"	4.33	3.54	0.79	2.34	0.1875	0.43	0.79	-	18	0.48
39018 - F	HSK50F x SFC1/4" - 3.54"	4.33	3.54	1.42	2.04	0.25	0.71	1.03	M5	18	0.59
39020 - F	HSK50F x SFC5/16" - 3.54"	4.33	3.54	1.42	2.32	0.3125	0.79	1.06	M6	35	0.61
39022 - F	HSK50F x SFC3/8" - 3.54"	4.33	3.54	1.53	2.32	0.375	0.94	1.26	M8	65	0.69
39024 - F	HSK50F x SFC1/2" - 3.54"	4.33	3.54	1.85	2.32	0.5	1.1	1.34	M10	110	0.75
39025 - F	HSK50F x SFC5/8" - 3.54"	4.33	3.54	1.97	2.32	0.625	1.06	1.34	M12	200	0.70
39026 - F	HSK50F x SFC3/4" - 3.94"	4.73	3.94	2.04	2.87	0.75	1.26	1.65	M16	320	0.90
39030 - F	HSK63F x SFC3/16" - 3.94"	4.92	3.94	0.79	2.73	0.1875	0.43	0.85	-	18	0.76
39032 - F	HSK63F x SFC1/4" - 3.94"	4.92	3.94	1.42	2.71	0.25	0.71	1.06	M5	18	0.89
39034 - F	HSK63F x SFC5/16" - 3.94"	4.92	3.94	1.42	2.71	0.3125	0.79	1.06	M6	35	0.91
39036 - F	HSK63F x SFC3/8" - 3.94"	4.92	3.94	1.65	2.83	0.375	0.94	1.26	M8	65	1.00
39038 - F	HSK63F x SFC1/2" - 3.94"	4.92	3.94	1.85	2.79	0.5	1.1	1.38	M10	110	1.68
39039 - F	HSK63F x SFC5/8" - 3.94"	4.92	3.94	1.97	2.79	0.625	1.06	1.34	M12	200	1.02
39040 - F	HSK63F x SFC3/4" - 3.94"	4.92	3.94	2.04	2.79	0.75	1.26	1.65	M16	320	1.15
39042 - F	HSK63F x SFC1" - 3.94"	4.92	3.94	2.28	2.72	1	1.42	1.65	M20	500	1.12

Features:

- High rigidity. ► T.I.R.: within 5 μ. ► Slim design. ► Easy operation.

Product information:

- We accept special order of the design with 6 threaded holes for balance with balancing screws.
- Balance: G2.5 25,000 rpm. 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.W-82

HSK / SFCT SHRINK FIT CHUCK

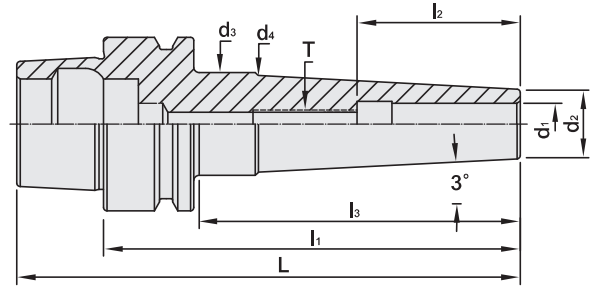
3°

HSK / SFCT 熱膨脹刀桿

(DIN 69893-6)



T W PAT NO. M284478
J P PAT NO. 3134091
J P PAT NO. 3200356
T R PAT NO. TR 200703317 Y
D E PAT NO. Nr.202007006594.9
U S PAT NO. US75564618.2



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)
39100T - 120 - F	HSK50F x SFCT3 - 120	140	120	18	89	3	9	18	-	-	18	0.50
39102T - 120 - F	HSK50F x SFCT4 - 120	140	120	20	89	4	10	18	-	-	18	0.51
39104T - 120 - F	HSK50F x SFCT5 - 120	140	120	20	89	5	11	20	-	-	18	0.53
39106T - 120 - F	HSK50F x SFCT6 - 120	140	120	36	89	6	12	20	-	M5	18	0.54
39108T - 120 - F	HSK50F x SFCT8 - 120	140	120	36	83	8	14	24	22.7	M6	35	0.58
39110T - 120 - F	HSK50F x SFCT10 - 120	140	120	42	83	10	16	26	24.7	M8	65	0.61
39112T - 120 - F	HSK50F x SFCT12 - 120	140	120	47	83	12	18	28	26.7	M10	110	0.65
39114T - 120 - F	HSK50F x SFCT14 - 120	140	120	47	83	14	20	30	28.7	M10	150	0.69
39116T - 120 - F	HSK50F x SFCT16 - 120	140	120	50	83	16	22	32	30.7	M12	200	0.72
39118T - 120 - F	HSK50F x SFCT18 - 120	140	120	50	89	18	24	32	-	M12	250	0.76
39121T - F	HSK50F x SFCT20 - 160	180	160	52	129	20	26	35	-	M16	320	1.10
39130T - 120 - F	HSK63F x SFCT3 - 120	145	120	18	84	3	9	17.86	-	-	18	0.75
39132T - 120 - F	HSK63F x SFCT4 - 120	145	120	20	89	4	10	18	-	-	18	0.76
39134T - 120 - F	HSK63F x SFCT5 - 120	145	120	20	89	5	11	20	-	-	18	0.78
39136T - 120 - F	HSK63F x SFCT6 - 120	145	120	36	89	6	12	20	-	M5	18	0.79
39138T - 120 - F	HSK63F x SFCT8 - 120	145	120	36	78	8	14	24	22.2	M6	35	0.84
39140T - 120 - F	HSK63F x SFCT10 - 120	145	120	42	84	10	16	24.86	-	M8	65	0.88
39142T - 120 - F	HSK63F x SFCT12 - 120	145	120	47	83	12	18	28	26.7	M10	110	0.90
39144T - 120 - F	HSK63F x SFCT14 - 120	145	120	47	83	14	20	30	28.7	M10	150	0.94
39146T - 120 - F	HSK63F x SFCT16 - 120	145	120	52	83	16	22	32	30.7	M12	200	0.97
39148T - 120 - F	HSK63F x SFCT18 - 120	145	120	47	89	18	24	32	-	M12	250	1.02
39151T - F	HSK63F x SFCT20 - 160	185	160	47	129	20	26	35	-	M16	320	1.35
39153T - F	HSK63F x SFCT25 - 160	185	160	58	129	25	31	40	-	M20	500	1.50
39155T - F	HSK63F x SFCT32 - 160	185	160	58	129	32	38	49	-	M20	550	1.86

Features:

- ▶ High rigidity. ▶ T.I.R.: within 5 μ. ▶ Slim design. ▶ Easy operation.

Product information:

- ▶ We accept special order of the design with 6 threaded holes for balance with balancing screws.
- ▶ Balance: G2.5 25,000 rpm. 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.W-82

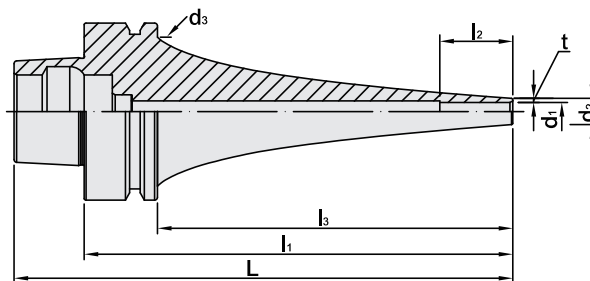


HSK / SFC-CUL SHRINK FIT CHUCK

CUL TYPE



HSK / SFC-CUL 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)
103.768.04.150	HSK63F x SFC4 - 150CUL	175	150	10	124	4	10	53	3	1.1
103.768.04.200	HSK63F x SFC4 - 200CUL	225	200	10	174	4	10	53	3	1.5
103.768.04.250	HSK63F x SFC4 - 250CUL	275	250	10	224	4	10	53	3	1.7
103.768.06.150	HSK63F x SFC6 - 150CUL	175	150	26	124	6	13	53	3.5	1.3
103.768.06.200	HSK63F x SFC6 - 200CUL	225	200	26	174	6	13	53	3.5	1.5
103.768.06.250	HSK63F x SFC6 - 250CUL	275	250	26	224	6	13	53	3.5	2.0
103.768.08.150	HSK63F x SFC8 - 150CUL	175	150	26	124	8	16	53	4	1.4
103.768.08.200	HSK63F x SFC8 - 200CUL	225	200	26	174	8	16	53	4	1.6
103.768.08.250	HSK63F x SFC8 - 250CUL	275	250	26	224	8	16	53	4	1.8
103.768.10.150	HSK63F x SFC10 - 150CUL	175	150	32	124	10	19	53	4.5	1.4
103.768.10.200	HSK63F x SFC10 - 200CUL	225	200	32	174	10	19	53	4.5	1.6
103.768.10.250	HSK63F x SFC10 - 250CUL	275	250	32	224	10	19	53	4.5	2.1
103.768.12.150	HSK63F x SFC12 - 150CUL	175	150	37	124	12	22	53	5	1.5
103.768.12.200	HSK63F x SFC12 - 200CUL	225	200	37	174	12	22	53	5	1.7
103.768.12.250	HSK63F x SFC12 - 250CUL	275	250	37	224	12	22	53	5	1.9

Features:

- ▶ The most ideal tool holder design for 5 axis machining centers.
- ▶ Unique curved design avoids interference effectively.
- ▶ The design of slim nose and short overhanging length of cutter extends tool use life.
- ▶ The design of thick neck improves the rigidity during machining and product quality.

Product information:

- ▶ Balance: G2.5 25,000 rpm. Higher balancing grade and revolution can be done upon request but additional charge is needed.

Preset Screw

P.W-82

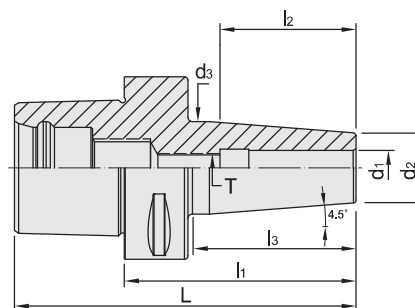
PSC / SFC SHRINK FIT CHUCK

4.5°

PSC / SFC 熱膨脹刀桿



T W PAT NO. M284478
J P PAT NO. 3134091
J P PAT NO. 3200356
T R PAT NO. TR 200703317 Y
D E PAT NO. Nr.202007006594.9
U S PAT NO. US75564618.2



MODEL NO.	TYPE	L	l ₁	l ₂	l ₃	d ₁	d ₂	d ₃	T	WEIGHT (KGS)
140.651.06.060	PSC32 x SFC6 - 60	79	60	36	40	6	12	18	M5	0.17
140.651.08.107	PSC32 x SFC8 - 107	126	107	36	61	8	20	26	M6	0.43
140.651.10.095	PSC32 x SFC10 - 95	114	95	42	81	10	24	32	M8	0.50
140.651.12.084	PSC32 x SFC12 - 84	103	84	47	69	12	24	32	M10	0.41
141.651.06.075	PSC40 x SFC6 - 75	99	75	36	53	6	20	26	M5	0.40
141.651.08.075	PSC40 x SFC8 - 75	99	75	36	53	8	20	26	M6	0.40
141.651.10.075	PSC40 x SFC10 - 75	99	75	42	54	10	24	32	M8	0.50
141.651.12.075	PSC40 x SFC12 - 75	99	75	47	54	12	24	32	M10	0.50
141.651.14.080	PSC40 x SFC14 - 80	104	80	47	59	14	27	34	M10	0.60
141.651.16.080	PSC40 x SFC16 - 80	104	80	50	59	16	27	34	M12	0.50
141.651.18.080	PSC40 x SFC18 - 80	104	80	52	59	18	33	42	M12	0.70
141.651.20.085	PSC40 x SFC20 - 85	109	85	52	64	20	33	42	M16	0.70
142.651.06.075	PSC50 x SFC6 - 75	105	75	36	53	6	20	26	M5	0.60
142.651.08.075	PSC50 x SFC8 - 75	105	75	36	53	8	20	26	M6	0.60
142.651.10.075	PSC50 x SFC10 - 75	105	75	42	54	10	24	32	M8	0.70
142.651.12.075	PSC50 x SFC12 - 75	105	75	47	59	12	24	32	M10	0.60
142.651.14.080	PSC50 x SFC14 - 80	110	80	47	59	14	27	34	M10	0.70
142.651.16.080	PSC50 x SFC16 - 80	110	80	50	59	16	27	34	M12	0.70
142.651.18.080	PSC50 x SFC18 - 80	110	80	52	59	18	33	42	M12	0.80
142.651.20.085	PSC50 x SFC20 - 85	115	85	52	64	20	33	42	M16	0.90
142.651.25.090	PSC50 x SFC25 - 90	120	90	58	68	25	44	53	M20	1.20

Features:

- ▶ High rigidity. ▶ T.I.R.: within 5 μ. ▶ Slim design. ▶ Easy operation.

Product information:

- ▶ We accept special order of the design with 6 threaded holes for balance with balancing screws.
- ▶ Balance: G2.5 25,000 rpm. 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.W-82



PSC / SFC SHRINK FIT CHUCK

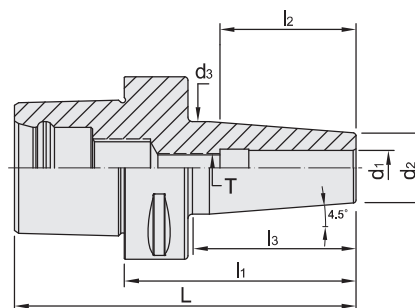
4.5°

PSC / SFC 熱膨脹刀桿



台灣精品2012
TAIWAN EXCELLENCE


T W PAT NO. M284478
J P PAT NO. 3134091
J P PAT NO. 3200356
T R PAT NO. TR 200703317 Y
D E PAT NO. Nr.202007006594.9
U S PAT NO. US75564618.2



MODEL NO.	TYPE	L	l ₁	l ₂	l ₃	d ₁	d ₂	d ₃	T	WEIGHT (KGS)
143.651.06.080	PSC63 x SFC6 - 80	118	80	36	53	6	20	26	M5	1.00
143.651.08.080	PSC63 x SFC8 - 80	118	80	36	53	8	20	26	M6	0.90
143.651.10.080	PSC63 x SFC10 - 80	118	80	42	53	10	24	32	M8	1.00
143.651.12.080	PSC63 x SFC12 - 80	118	80	47	56	12	24	32	M10	1.00
143.651.14.085	PSC63 x SFC14 - 85	123	85	47	58	14	27	34	M10	1.10
143.651.16.085	PSC63 x SFC16 - 85	123	85	50	58	16	27	34	M12	1.10
143.651.18.085	PSC63 x SFC18 - 85	123	85	52	58	18	33	42	M12	1.30
143.651.20.085	PSC63 x SFC20 - 85	123	85	52	58	20	33	42	M16	1.20
143.651.25.090	PSC63 x SFC25 - 90	128	90	58	66	25	44	53	M20	1.50
143.651.32.095	PSC63 x SFC32 - 95	133	95	58	71	32	44	53	M20	1.50
144.651.10.090	PSC80 x SFC10 - 90	138	90	42	55	10	24	32	M8	1.96
144.651.12.090	PSC80 x SFC12 - 90	138	90	47	55	12	24	32	M10	1.94
144.651.16.095	PSC80 x SFC16 - 95	143	95	50	60	16	27	34	M12	1.99
144.651.20.095	PSC80 x SFC20 - 95	143	95	52	60	20	33	42	M16	2.10
144.651.25.100	PSC80 x SFC25 - 100	148	100	58	65	25	44	53	M20	2.37

Features:

- ▶ High rigidity. ▶ T.I.R.: within 5 μ. ▶ Slim design. ▶ Easy operation.

Product information:

- ▶ We accept special order of the design with 6 threaded holes for balance with balancing screws.
- ▶ Balance: G2.5 25,000 rpm. 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.W-82

PSC / SFC SHRINK FIT CHUCK

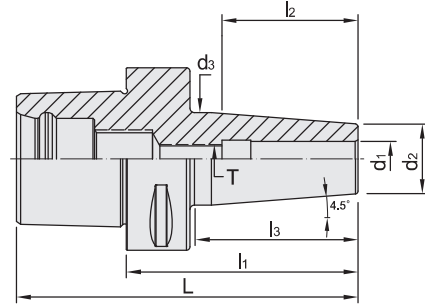
4.5°

PSC / SFC 熱膨脹刀桿



T W PAT NO. M284478
J P PAT NO. 3134091
J P PAT NO. 3200356
T R PAT NO. TR 200703317 Y
D E PAT NO. Nr.202007006594.9
U S PAT NO. US75564618.2

INCHES



MODEL NO.	TYPE	L	l ₁	l ₂	l ₃	d ₁	d ₂	d ₃	T	WEIGHT (KGS)
141.651.54.205	PSC40 x SFC 1/4" - 2.05"	2.99	2.05	1.41	1.19	0.3125	0.83	1.01	-	0.30
141.651.54.295	PSC40 x SFC 1/4" - 2.95"	3.9	2.95	1.41	2.09	0.3125	0.83	1.06	M5	0.40
141.651.55.205	PSC40 x SFC 5/16" - 2.05"	2.99	2.05	1.41	1.19	0.3125	0.83	1.01	-	0.40
141.651.55.295	PSC40 x SFC 5/16" - 2.95"	3.9	2.95	1.41	2.09	0.3125	0.83	1.06	M6	0.60
141.651.56.295	PSC40 x SFC 3/8" - 2.95"	3.9	2.95	1.61	2.13	0.375	0.95	1.26	M8	0.70
141.651.58.295	PSC40 x SFC 1/2" - 2.95"	3.9	2.95	1.81	2.13	0.5	1.1	1.34	M10	0.60
141.651.61.315	PSC40 x SFC 5/8" - 3.15"	4.09	3.15	1.93	2.32	0.625	1.06	1.34	M12	0.70
141.651.64.335	PSC40 x SFC 3/4" - 3.35"	4.29	3.35	2.04	2.52	0.75	1.26	1.65	M16	0.70
142.651.54.295	PSC50 x SFC 1/4" - 2.95"	4.13	2.95	1.41	1.97	0.3125	0.83	1.06	M5	0.60
142.651.55.295	PSC50 x SFC 5/16" - 2.95"	4.13	2.95	1.41	1.97	0.3125	0.83	1.06	M6	0.60
142.651.56.295	PSC50 x SFC 3/8" - 2.95"	4.13	2.95	1.61	2.87	0.375	0.95	1.26	M8	0.70
142.651.58.295	PSC50 x SFC 1/2" - 2.95"	4.13	2.95	1.81	1.97	0.5	1.1	1.34	M10	0.60
142.651.61.315	PSC50 x SFC 5/8" - 3.15"	4.33	3.15	1.93	2.17	0.625	1.06	1.34	M12	0.70
142.651.64.335	PSC50 x SFC 3/4" - 3.35"	4.53	3.35	2.04	2.48	0.75	1.26	1.65	M16	0.90
142.651.68.354	PSC50 x SFC 1" - 3.54"	4.72	3.54	2.24	2.7	1	1.73	2.08	M16	1.20
143.651.54.315	PSC63 x SFC 1/4" - 3.15"	4.65	3.15	1.41	2.87	0.3125	0.83	1.06	M5	1.00
143.651.55.315	PSC63 x SFC 5/16" - 3.15"	4.65	3.15	1.41	2.87	0.3125	0.83	1.06	M6	0.90
143.651.56.315	PSC63 x SFC 3/8" - 3.15"	4.65	3.15	1.61	2.87	0.375	0.95	1.26	M8	0.90
143.651.58.315	PSC63 x SFC 1/2" - 3.15"	4.65	3.15	1.81	2.87	0.5	1.1	1.34	M10	1.00
143.651.61.335	PSC63 x SFC 5/8" - 3.35"	4.84	3.35	1.93	2.28	0.625	1.06	1.34	M12	1.10
143.651.64.335	PSC63 x SFC 3/4" - 3.35"	4.84	3.35	2.04	2.28	0.75	1.26	1.65	M16	1.20
143.651.68.354	PSC63 x SFC 1" - 3.54"	5.04	3.54	2.24	2.6	1	1.73	2.08	M16	1.50
143.651.72.374	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
144.651.56.354	PSC80 x SFC 3/8" - 3.54"	5.43	3.54	1.65	2.17	0.375	0.95	1.26	M8	1.96
144.651.58.354	PSC80 x SFC 1/2" - 3.54"	5.43	3.54	1.85	2.17	0.5	1.10	1.34	M10	1.94
144.651.61.374	PSC80 x SFC 5/8" - 3.74"	5.63	3.74	1.97	2.36	0.625	1.06	1.34	M12	1.99
144.651.64.374	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:

- ▶ High rigidity. ▶ T.I.R.: within 5 μ. ▶ Slim design. ▶ Easy operation.

Product information:

- ▶ We accept special order of the design with 6 threaded holes for balance with balancing screws.
- ▶ Balance: G2.5 25,000 rpm. 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.W-82

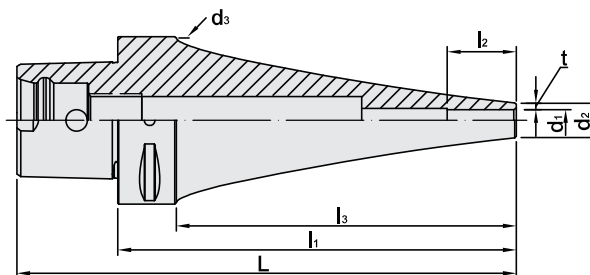


PSC / SFC SHRINK FIT CHUCK

CUL TYPE



PSC / SFC 熱膨脹刀桿 [CUL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)
143.768.04.150	PSC63 x SFC4 - 150CUL	188	150	10	128	4	10	53	3	1.5
143.768.04.200	PSC63 x SFC4 - 200CUL	238	200	10	178	4	10	53	3	1.6
143.768.04.250	PSC63 x SFC4 - 250CUL	288	250	10	228	4	10	53	3	1.7
143.768.04.300	PSC63 x SFC4 - 300CUL	338	300	10	278	4	10	53	3	1.8
143.768.06.150	PSC63 x SFC6 - 150CUL	188	150	26	128	6	13	53	3.5	1.5
143.768.06.200	PSC63 x SFC6 - 200CUL	238	200	26	178	6	13	53	3.5	1.7
143.768.06.250	PSC63 x SFC6 - 250CUL	288	250	26	228	6	13	53	3.5	1.8
143.768.06.300	PSC63 x SFC6 - 300CUL	338	300	26	278	6	13	53	3.5	1.9
143.768.08.150	PSC63 x SFC8 - 150CUL	188	150	26	128	8	16	53	4	1.6
143.768.08.200	PSC63 x SFC8 - 200CUL	238	200	26	178	8	16	53	4	1.7
143.768.08.250	PSC63 x SFC8 - 250CUL	288	250	26	228	8	16	53	4	1.9
143.768.08.300	PSC63 x SFC8 - 300CUL	338	300	26	278	8	16	53	4	2.0
143.768.10.150	PSC63 x SFC10 - 150CUL	188	150	32	128	10	19	53	4.5	1.6
143.768.10.200	PSC63 x SFC10 - 200CUL	238	200	32	178	10	19	53	4.5	1.8
143.768.10.250	PSC63 x SFC10 - 250CUL	288	250	32	228	10	19	53	4.5	2.0
143.768.10.300	PSC63 x SFC10 - 300CUL	338	300	32	278	10	19	53	4.5	2.1
143.768.12.150	PSC63 x SFC12 - 150CUL	188	150	37	128	12	22	53	5	1.7
143.768.12.200	PSC63 x SFC12 - 200CUL	238	200	37	178	12	22	53	5	1.9
143.768.12.250	PSC63 x SFC12 - 250CUL	288	250	37	228	12	22	53	5	2.1
143.768.12.300	PSC63 x SFC12 - 300CUL	338	300	37	278	12	22	53	5	2.2

Features:

- ▶ The most ideal tool holder design for 5 axis machining centers.
- ▶ Unique curved design avoids interference effectively.
- ▶ The design of slim nose and short overhanging length of cutter extends tool use life.
- ▶ The design of thick neck improves the rigidity during machining and product quality.

Product information:

- ▶ Balance: G2.5 25,000 rpm. Higher balancing grade and revolution can be done upon request but additional charge is needed.

Preset Screw

P.W-82

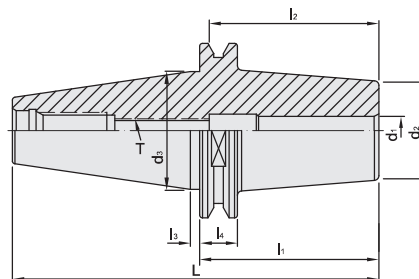
ISO / SFC SHRINK FIT CHUCK

4.5°

ISO / SFC 熱膨脹刀桿



T W PAT NO. M284478
J P PAT NO. 3134091
J P PAT NO. 3200356
T R PAT NO. TR 200703317 Y
D E PAT NO. Nr.202007006594.9
U S PAT NO. US75564618.2



MODEL NO.	TYPE	L	l ₁	l ₂	l ₃	l ₄	d ₁	d ₂	d ₃	T	WEIGHT (KGS)
86200	ISO20 x SFC3 - 60	93.3	60	18	2	8	3	9	21.642	M6	0.40
86202	ISO20 x SFC4 - 60	93.3	60	20	2	8	4	10	21.642	M6	0.40
86204	ISO20 x SFC5 - 60	93.3	60	20	2	8	5	16	21.642	M6	0.40
86206	ISO20 x SFC6 - 60	93.3	60	36	2	8	6	21	21.642	M5	0.40
86210	ISO25 x SFC3 - 60	92.7	60	18	2.95	8	3	9	24.91	M6	0.40
86212	ISO25 x SFC4 - 60	92.7	60	20	2.95	8	4	10	24.91	M6	0.42
86214	ISO25 x SFC5 - 60	92.7	60	20	2.95	8	5	16	24.91	M6	0.42
86216	ISO25 x SFC6 - 60	97.7	60	36	2.95	8	6	21	24.91	M5	0.42
86218	ISO25 x SFC8 - 60	97.7	60	36	2.95	8	8	21	24.91	M6	0.43
86220	ISO25 x SFC10 - 60	97.7	60	42	2.95	8	10	24	24.91	M8	0.44
86222	ISO25 x SFC12 - 60	97.7	60	47	2.95	8	12	24	24.91	M10	0.44
86228	ISO30 x SFC3 - 60	107.8	60	18	3.2	15.9	3	9	31.75	M6	1.00
86230	ISO30 x SFC4 - 60	107.8	60	20	3.2	15.9	4	10	31.75	M6	1.00
86232	ISO30 x SFC5 - 60	107.8	60	20	3.2	15.9	5	16	31.75	M6	1.10
86234	ISO30 x SFC6 - 60	107.8	60	36	3.2	15.9	6	21	31.75	M5	1.10
86236	ISO30 x SFC8 - 80	117.8	80	36	3.2	15.9	8	21	31.75	M6	1.10
86238	ISO30 x SFC10 - 80	117.8	80	42	3.2	15.9	10	24	31.75	M8	1.10
86240	ISO30 x SFC12 - 80	117.8	80	47	3.2	15.9	12	24	31.75	M10	1.10
86242	ISO30 x SFC14 - 80	117.8	80	47	3.2	15.9	14	24	31.75	M10	1.10
86244	ISO30 x SFC16 - 80	117.8	80	50	3.2	15.9	16	27	31.75	M12	1.10

Features:

- High rigidity. ► T.I.R.: within 5 µ. ► Slim design. ► Easy operation.

Product information:

- We accept special order of the design with 6 threaded holes for balance with balancing screws.
- Balance: G2.5 25,000 rpm. 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	Preset Screw
	
P.W-58	P.W-82



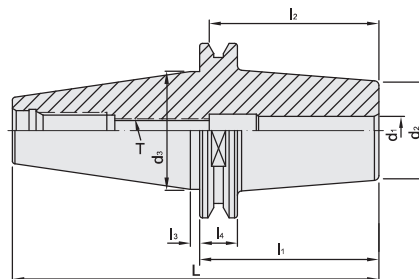
ISO / SFC SHRINK FIT CHUCK

4.5°

ISO / SFC 熱膨脹刀桿



T W PAT NO. M284478
J P PAT NO. 3134091
J P PAT NO. 3200356
T R PAT NO. TR 200703317 Y
D E PAT NO. Nr.202007006594.9
U S PAT NO. US75564618.2



INCHES

MODEL NO.	TYPE	L	l ₁	l ₂	l ₃	l ₄	d ₁	d ₂	d ₃	T	WEIGHT (KGS)
86252	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
86254	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
86256	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
86258	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
86266	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
86268	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
86270	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
86272	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
86274	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
86280	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
86282	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
86284	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
86286	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
86290	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
86292	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
86294	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:

- High rigidity. ► T.I.R.: within 5 µ. ► Slim design. ► Easy operation.

Product information:

- We accept special order of the design with 6 threaded holes for balance with balancing screws.
- Balance: G2.5 25,000 rpm. 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	Preset Screw
	
P.W-58	P.W-82

BT / SFC SHRINK FIT CHUCK

with CP coolant hole

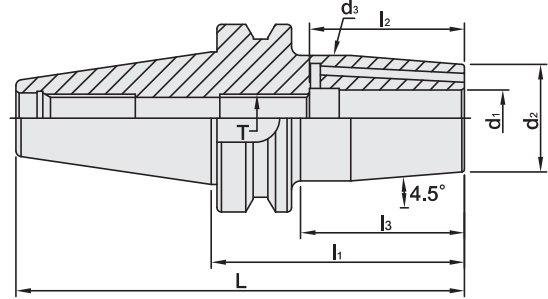
4.5°

Coolant
hole

BT / SFC 熱膨脹刀桿 [出水孔型]



T W PAT NO. M284478
J P PAT NO. 3134091
J P PAT NO. 3200356
T R PAT NO. TR 200703317 Y
D E PAT NO. Nr.202007006594.9
U S PAT NO. US75564618.2



MODEL NO.	TYPE	L	l ₁	l ₂	l ₃	d ₁	d ₂	d ₃	T	TORQUE N.m min	WEIGHT (KGS)
19308B	BT30 x SFC6 - 60 - CP	108.4	60	36	33	6	23	28.2	M5	18	0.70
19309B	BT30 x SFC6 - 80 - CP	128.4	80	36	53	6	21	27	M5	18	0.86
19310B	BT30 x SFC8 - 60 - CP	108.4	60	36	33	8	23	28.2	M6	35	0.52
19311B	BT30 x SFC8 - 80 - CP	128.4	80	36	53	8	21	27	M6	35	0.58
19312B	BT30 x SFC10 - 60 - CP	108.4	60	42	35	10	27	29.4	M8	65	0.52
19313B	BT30 x SFC10 - 80 - CP	128.4	80	42	53	10	24	32	M8	65	0.64
19314B	BT30 x SFC12 - 60 - CP	108.4	60	47	36	12	27	32.6	M10	110	0.52
19315B	BT30 x SFC12 - 80 - CP	128.4	80	47	53	12	24	32	M10	110	0.62
19316B	BT30 x SFC14 - 65 - CP	113.4	65	47	41	14	30	36.4	M12	150	0.57
19317B	BT30 x SFC14 - 80 - CP	128.4	80	47	55	14	27	34	M12	150	0.69
19318B	BT30 x SFC16 - 65 - CP	113.4	65	50	41	16	30	36.4	M12	200	0.55
19319B	BT30 x SFC16 - 80 - CP	128.4	80	50	55	16	27	34	M12	200	0.65
19320B	BT30 x SFC18 - 70 - CP	118.4	70	50	46	18	35.5	40.5	M12	250	0.72
19321B	BT30 x SFC18 - 90 - CP	138.4	90	50	66	18	33	40.5	M12	250	0.87
19322B	BT30 x SFC20 - 70 - CP	118.4	70	52	46	20	35.5	40.5	M16	320	0.70
19323B	BT30 x SFC20 - 90 - CP	138.4	90	52	66	20	33	40.5	M16	320	0.81

Features:

- ▶ High rigidity. ▶ T.I.R.: within 5 μ. ▶ Slim design. ▶ Easy operation.

Product information:

- ▶ We accept special order of the design with 6 threaded holes for balance with balancing screws.
- ▶ Balance: G2.5 25,000 rpm. 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	Preset Screw
	
P.W-54~55	P.W-82



BT / SFC SHRINK FIT CHUCK

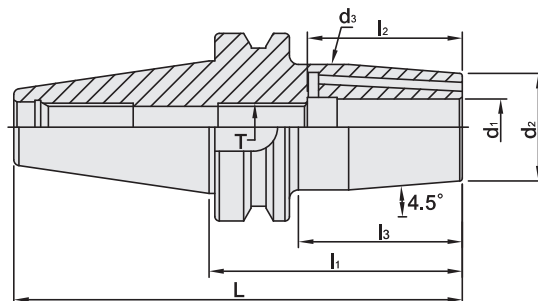
with CP coolant hole



BT / SFC 熱膨脹刀桿 [出水孔型]



T W PAT NO. M284478
J P PAT NO. 3134091
J P PAT NO. 3200356
T R PAT NO. TR 200703317 Y
D E PAT NO. Nr.202007006594.9
U S PAT NO. US75564618.2



MODEL NO.	TYPE	L	l ₁	l ₂	l ₃	d ₁	d ₂	d ₃	T	TORQUE N.m min	WEIGHT (KGS)
19338B	BT40 x SFC6 - 90 - CP	155.4	90	36	53	6	21	27	M5	18	1.23
19339B	BT40 x SFC6 - 130 - CP	195.4	130	36	93	6	21	27	M5	18	1.41
19339B - 160	BT40 x SFC6 - 160 - CP	225.4	160	36	93	6	21	27	M5	18	1.54
19339B - 200	BT40 x SFC6 - 200 - CP	265.4	200	36	133	6	21	27	M5	18	1.72
19340B	BT40 x SFC8 - 90 - CP	155.4	96	36	53	8	21	27	M6	35	1.23
19341B	BT40 x SFC8 - 130 - CP	195.4	130	36	93	8	21	27	M6	35	1.41
19341B - 160	BT40 x SFC8 - 160 - CP	225.4	160	36	93	8	21	27	M6	35	1.54
19341B - 200	BT40 x SFC8 - 200 - CP	265.4	200	36	133	8	21	27	M6	35	1.72
19342B	BT40 x SFC10 - 90 - CP	155.4	90	42	53	10	24	32	M8	65	1.48
19343B	BT40 x SFC10 - 130 - CP	195.4	130	42	93	10	24	32	M8	65	1.66
19343B - 160	BT40 x SFC10 - 160 - CP	225.4	160	42	93	10	24	32	M8	65	1.79
19343B - 200	BT40 x SFC10 - 200 - CP	265.4	200	42	133	10	24	32	M8	65	1.97
19344B	BT40 x SFC12 - 90 - CP	155.4	90	47	53	12	27	32	M10	110	1.68
19345B	BT40 x SFC12 -130 - CP	195.4	130	47	93	12	27	32	M10	110	1.86
19345B - 160	BT40 x SFC12 - 160 - CP	225.4	160	47	93	12	27	32	M10	110	1.99
19345B - 200	BT40 x SFC12 - 200 - CP	265.4	200	47	133	12	27	32	M10	110	2.17
19346B	BT40 x SFC14 - 90 - CP	155.4	90	47	53	14	27	34	M10	150	1.76
19347B	BT40 x SFC14 - 130 - CP	195.4	130	47	93	14	27	34	M10	150	1.94
19347B - 160	BT40 x SFC14 - 160 - CP	225.4	160	47	93	14	27	34	M10	150	2.07
19347B - 200	BT40 x SFC14 - 200 - CP	265.4	200	47	133	14	27	34	M10	150	2.25

Features:

- ▶ High rigidity. ▶ T.I.R.: within 5 μ. ▶ Slim design. ▶ Easy operation.

Product information:

- ▶ We accept special order of the design with 6 threaded holes for balance with balancing screws.
- ▶ Balance: G2.5 25,000 rpm. 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	Preset Screw
	
P.W-54~55	P.W-82

BT / SFCT SHRINK FIT CHUCK

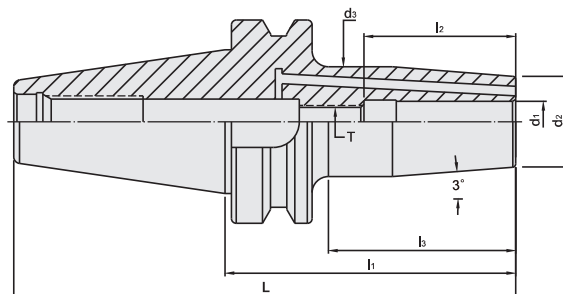
with CP coolant hole



BT / SFCT 熱膨脹刀桿 [出水孔型]



T W PAT NO. M284478
J P PAT NO. 3134091
J P PAT NO. 3200356
T R PAT NO. TR 200703317 Y
D E PAT NO. Nr.202007006594.9
U S PAT NO. US75564618.2



MODEL NO.	TYPE	L	l ₁	l ₂	l ₃	d ₁	d ₂	d ₃	T	TORQUE N.m min	WEIGHT (KGS)
19102TB	BT30 x SFCT4 - 80 - CP	128.4	80	20	53	4	21	26	M6	18	0.42
19104TB	BT30 x SFCT5 - 80 - CP	128.4	80	20	53	5	21	26	M6	18	0.54
19106TB	BT30 x SFCT6 - 80 - CP	128.4	80	36	53	6	21	26	M5	18	0.64
19108TB	BT30 x SFCT8 - 80 - CP	128.4	80	36	53	8	21	26	M6	35	0.56
19110TB	BT30 x SFCT10 - 80 - CP	128.4	80	42	53	10	24	29	M8	65	0.66
19112TB	BT30 x SFCT12 - 80 - CP	128.4	80	52	53	12	24	29	M10	110	0.66
19114TB	BT30 x SFCT14 - 80 - CP	128.4	80	52	46	14	24	32	M10	150	0.58
19116TB	BT30 x SFCT16 - 80 - CP	128.4	80	52	55	16	27	32	M12	200	0.60
19118TB	BT30 x SFCT18 - 90 - CP	138.4	90	52	66	18	33	38	M12	250	0.80
19120TB	BT30 x SFCT20 - 90 - CP	138.4	90	52	66	20	33	38	M16	320	0.76
19122TB	BT30 x SFCT25 - 100 - CP	148.4	100	58	78	25	44	49	M20	500	1.17
19132TB	BT40 x SFCT4 - 90 - CP	155.4	90	20	53	4	21	26	M6	18	1.01
19134TB	BT40 x SFCT5 - 90 - CP	155.4	90	20	58	5	21	26	M6	18	1.07
19136TB	BT40 x SFCT6 - 90 - CP	155.4	90	36	58	6	21	26	M5	18	1.15
19138TB	BT40 x SFCT8 - 90 - CP	155.4	90	36	58	8	21	26	M6	35	1.15
19140TB	BT40 x SFCT10 - 90 - CP	155.4	90	42	58	10	24	29	M8	65	1.20
19142TB	BT40 x SFCT12 - 90 - CP	155.4	90	52	58	12	24	29	M10	110	1.19
19144TB	BT40 x SFCT14 - 90 - CP	155.4	90	52	58	14	27	32	M10	150	1.24
19146TB	BT40 x SFCT16 - 90 - CP	155.4	90	52	58	16	27	32	M12	200	1.21
19148TB	BT40 x SFCT18 - 100 - CP	165.4	100	52	68	18	33	38	M12	250	1.42
19188TB	BT40 x SFCT19 - 90 - CP	155.4	90	60	58	19	33	38	M16	250	1.40
19150TB	BT40 x SFCT20 - 100 - CP	165.4	100	52	68	20	33	38	M16	320	1.38
19186TB	BT40 x SFCT24 - 90 - CP	155.4	90	72	61	24	44	49	M20	500	1.36
19152TB	BT40 x SFCT25 - 100 - CP	165.4	100	58	71	25	44	49	M20	500	1.66
19154TB	BT40 x SFCT32 - 100 - CP	165.4	100	58	71	32	44	49	M20	550	1.52

Features:

- High rigidity. ► T.I.R.: within 5 μ. ► Slim design. ► Easy operation.

Product information:

- We accept special order of the design with 6 threaded holes for balance with balancing screws.
- Balance: G2.5 25,000 rpm. 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	Preset Screw
P.W-54~55	P.W-82



BT / SFCT SHRINK FIT CHUCK

with CP coolant hole

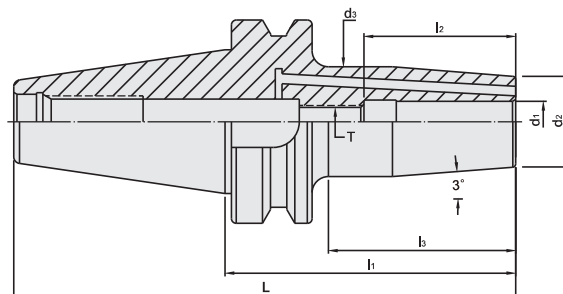
3°

Coolant
hole

BT / SFCT 熱膨脹刀桿 [出水孔型]



T W PAT NO. M284478
J P PAT NO. 3134091
J P PAT NO. 3200356
T R PAT NO. TR 200703317 Y
D E PAT NO. Nr.202007006594.9
U S PAT NO. US75564618.2



MODEL NO.	TYPE	L	l ₁	l ₂	l ₃	d ₁	d ₂	d ₃	T	TORQUE N.m min	WEIGHT (KGS)
19162TB	BT50 x SFCT4 - 100 - CP	201.8	100	20	52	4	21	26	M6	18	3.86
19164TB	BT50 x SFCT5 - 100 - CP	201.8	100	20	57	5	21	26	M6	18	3.86
19166TB	BT50 x SFCT6 - 100 - CP	201.8	100	36	57	6	21	26	M5	18	3.92
19168TB	BT50 x SFCT8 - 100 - CP	201.8	100	36	52	8	21	26	M6	35	3.92
19170TB	BT50 x SFCT10 - 100 - CP	201.8	100	42	58	10	24	29	M8	65	3.90
19172TB	BT50 x SFCT12 - 100 - CP	201.8	100	52	52	12	24	29	M10	110	3.94
19174TB	BT50 x SFCT14 - 100 - CP	201.8	100	52	57	14	27	32	M10	150	4.02
19176TB	BT50 x SFCT16 - 100 - CP	201.8	100	52	52	16	27	32	M12	200	3.96
19178TB	BT50 x SFCT18 - 110 - CP	211.8	110	52	62	18	33	38	M12	250	4.18
19180TB	BT50 x SFCT20 - 110 - CP	211.8	110	52	67	20	33	38	M16	320	4.14
19182TB	BT50 x SFCT25 - 110 - CP	211.8	110	58	67	25	44	49	M20	500	4.46
19184TB	BT50 x SFCT32 - 110 - CP	211.8	110	58	67	32	44	49	M20	550	4.30

Features:

- ▶ High rigidity. ▶ T.I.R.: within 5 μ. ▶ Slim design. ▶ Easy operation.

Product information:

- ▶ We accept special order of the design with 6 threaded holes for balance with balancing screws.
- ▶ Balance: G2.5 25,000 rpm. 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	Preset Screw
	
P.W-54~55	P.W-82

CAT / SFC SHRINK FIT CHUCK

with CP coolant hole

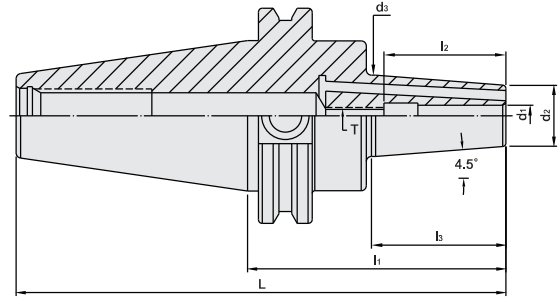
4.5°

Coolant
hole

CAT / SFC 熱膨脹刀桿 [出水孔型]



T W PAT NO. M284478
J P PAT NO. 3134091
J P PAT NO. 3200356
T R PAT NO. TR 200703317 Y
D E PAT NO. Nr.202007006594.9
U S PAT NO. US75564618.2



MODEL NO.	TYPE	L	l ₁	l ₂	l ₃	d ₁	d ₂	d ₃	T	TORQUE N.m min	WEIGHT (KGS)
29202B	CAT40 x SFC3 - 100 - CP	168.249	100	18	55	3	16	22	M8	18	1.04
29204B	CAT40 x SFC4 - 100 - CP	168.249	100	20	55	4	16	22	M8	18	1.06
29206B	CAT40 x SFC5 - 100 - CP	168.249	100	20	60	5	16	22	M8	18	1.12
29208B	CAT40 x SFC6 - 100 - CP	168.249	100	36	54	6	21	27	M5	18	1.23
29210B	CAT40 x SFC6 - 150 - CP	218.249	150	36	104	6	21	27	M5	18	1.39
29212B	CAT40 x SFC8 - 100 - CP	168.249	100	36	54	8	21	27	M6	35	1.22
29214B	CAT40 x SFC8 - 150 - CP	218.249	150	36	104	8	21	27	M6	35	1.39
29216B	CAT40 x SFC10 - 100 - CP	168.249	100	42	56	10	24	32	M8	65	1.28
29218B	CAT40 x SFC10 - 150 - CP	218.249	150	42	106	10	24	32	M8	65	1.53
29220B	CAT40 x SFC12 - 100 - CP	168.249	100	47	59	12	24	33.3	M10	110	1.27
29222B	CAT40 x SFC12 - 150 - CP	218.249	150	47	104	12	24	32	M10	110	1.52
29224B	CAT40 x SFC14 - 95.3 - CP	163.549	95.3	47	59	14	27	34	M10	150	1.27
29226B	CAT40 x SFC14 - 100 - CP	168.249	100	47	59	14	27	34	M10	150	1.31
29228B	CAT40 x SFC14 - 152.4 - CP	220.649	152.4	47	112	14	27	34	M10	150	1.62
29230B	CAT40 x SFC16 - 95.3 - CP	163.549	95.3	50	54	16	27	34	M12	200	1.25
29232B	CAT40 x SFC16 - 100 - CP	168.249	100	50	59	16	27	34	M12	200	1.28
29234B	CAT40 x SFC16 - 160 - CP	228.249	160	50	119	16	27	34	M12	200	1.64
29236B	CAT40 x SFC18 - 100 - CP	168.249	100	50	63	18	33	42	M12	250	1.43
29238B	CAT40 x SFC20 - 80 - CP	148.249	80	52	42	20	33	39	M16	320	1.20

Features:

- High rigidity. ► T.I.R.: within 5 μ. ► Slim design. ► Easy operation.

Product information:

- We accept special order of the design with 6 threaded holes for balance with balancing screws.
- Balance: G2.5 25,000 rpm. 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	Preset Screw
	
P.W-56	P.W-82



CAT / SFC SHRINK FIT CHUCK

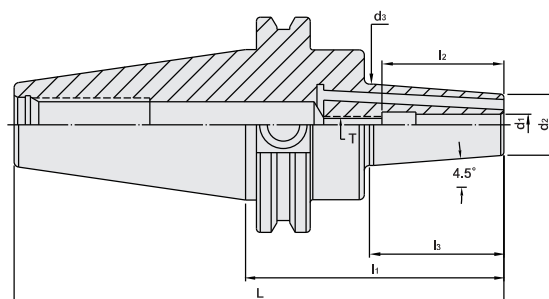
with CP coolant hole



CAT / SFC 熱膨脹刀桿 [出水孔型]



T W PAT NO. M284478
J P PAT NO. 3134091
J P PAT NO. 3200356
T R PAT NO. TR 200703317 Y
D E PAT NO. Nr.202007006594.9
U S PAT NO. US75564618.2



MODEL NO.	TYPE	L	l ₁	l ₂	l ₃	d ₁	d ₂	d ₃	T	TORQUE N.m min	WEIGHT (KGS)
29252B	CAT50 x SFC6 - 100 - CP	201.6	100	36	62	6	21	27	M5	18	3.21
29254B	CAT50 x SFC6 - 150 - CP	251.6	150	36	101	6	21	27	M5	18	3.42
29256B	CAT50 x SFC8 - 100 - CP	201.6	100	36	60	8	21	27	M6	35	3.21
29258B	CAT50 x SFC8 - 150 - CP	251.6	150	36	101	8	21	27	M6	35	3.41
29260B	CAT50 x SFC10 - 100 - CP	201.6	100	42	60	10	24	32	M8	65	3.27
29262B	CAT50 x SFC10 - 150 - CP	251.6	150	42	91	10	24	32	M8	65	3.74
29264B	CAT50 x SFC12 - 100 - CP	201.6	100	47	62	12	24	32	M10	110	3.26
29266B	CAT50 x SFC12 - 150 - CP	251.6	150	47	91	12	24	32	M10	110	3.71
29268B	CAT50 x SFC14 - 100 - CP	201.6	100	47	62	14	27	34	M10	150	3.31
29270B	CAT50 x SFC14 - 150 - CP	251.6	150	47	92	14	27	34	M10	150	3.79
29272B	CAT50 x SFC16 - 100 - CP	201.6	100	50	62	16	27	34	M12	200	3.29
29274B	CAT50 x SFC16 - 160 - CP	261.6	160	50	102	16	27	34	M12	200	3.83
29276B	CAT50 x SFC18 - 100 - CP	201.6	100	50	62	18	33	42	M12	250	3.45
29278B	CAT50 x SFC20 - 80 - CP	181.6	80	52	35	20	33	42	M16	320	3.26
29280B	CAT50 x SFC25 - 100 - CP	201.6	100	58	62	25	44	53	M20	500	3.69
29282B	CAT50 x SFC32 - 100 - CP	201.6	100	58	62	32	44	53	M20	550	3.55

Features:

- ▶ High rigidity. ▶ T.I.R.: within 5 μ. ▶ Slim design. ▶ Easy operation.

Product information:

- ▶ We accept special order of the design with 6 threaded holes for balance with balancing screws.
- ▶ Balance: G2.5 25,000 rpm. 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	Preset Screw
	
P.W-56	P.W-82

CAT / SFC SHRINK FIT CHUCK

with CP coolant hole

4.5°

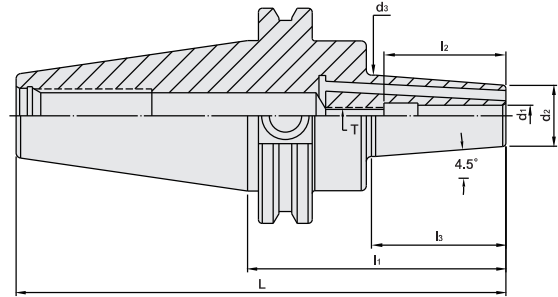
Coolant
hole

CAT / SFC 熱膨脹刀桿 [出水孔型]



T W PAT NO. M284478
J P PAT NO. 3134091
J P PAT NO. 3200356
T R PAT NO. TR 200703317 Y
D E PAT NO. Nr.202007006594.9
U S PAT NO. US75564618.2

INCHES



MODEL NO.	TYPE	L	l ₁	l ₂	l ₃	d ₁	d ₂	d ₃	T	TORQUE N.m min	WEIGHT (KGS)
29002B	CAT40 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
29004B	CAT40 x SFC 1/8" - 5" - CP	7.687	5	0.79	3.56	0.125	0.63	0.87	-	18	1.11
29006B	CAT40 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
29008B	CAT40 x SFC 3/16" - 5" - CP	7.687	5	0.79	3.22	0.1875	0.63	0.87	-	18	1.10
29010B	CAT40 x SFC 1/4" - 3" - CP	5.687	3	1.42	1.56	0.25	0.71	0.94	M5	18	1.09
29011B	CAT40 x SFC 1/4" - 3.5" - CP	6.187	3.5	1.42	2	0.25	0.71	0.94	M5	18	1.12
29013B	CAT40 x SFC 1/4" - 5" - CP	7.687	5	1.42	3.12	0.25	0.71	1.06	M5	18	1.29
29014B	CAT40 x SFC 1/4" - 6" - CP	8.687	6	1.42	4.44	0.25	0.71	1.37	M5	18	1.49
29016B	CAT40 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
29018B	CAT40 x SFC 5/16" - 5" - CP	7.687	5	1.42	3.12	0.3125	0.79	1.06	M6	35	1.30
29020B	CAT40 x SFC 3/8" - 3" - CP	5.687	3	1.65	1.56	0.375	0.94	1.18	M8	65	1.15
29021B	CAT40 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
29023B	CAT40 x SFC 3/8" - 5" - CP	7.687	5	1.65	3.5	0.375	0.94	1.26	M8	65	1.46
29024B	CAT40 x SFC 3/8" - 6" - CP	8.687	6	1.65	4.44	0.375	0.94	1.37	M8	65	1.66
29026B	CAT40 x SFC 1/2" - 3" - CP	5.687	3	1.85	1.56	0.5	1.1	1.34	M10	110	1.19
29027B	CAT40 x SFC 1/2" - 3.75" - CP	6.437	3.75	1.85	2.31	0.5	1.1	1.34	M10	110	1.30
29029B	CAT40 x SFC 1/2" - 5" - CP	7.687	5	1.85	3.44	0.5	1.1	1.37	M10	110	1.52
29030B	CAT40 x SFC 1/2" - 6" - CP	8.687	6	1.85	4.35	0.5	1.1	1.37	M10	110	1.68
29032B	CAT40 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
29034B	CAT40 x SFC 3/4" - 3" - CP	5.687	3	2.04	1.62	0.75	1.42	1.65	M16	320	1.24
29036B	CAT40 x SFC 3/4" - 4" - CP	6.687	4	2.04	2.62	0.75	1.42	1.65	M16	320	1.49
29037B	CAT40 x SFC 3/4" - 5" - CP	7.687	5	2.04	3.44	0.75	1.26	1.37	M16	320	1.48
29038B	CAT40 x SFC 3/4" - 6" - CP	8.687	6	2.04	4.44	0.75	1.26	1.37	M16	320	1.64
29040B	CAT40 x SFC 1" - 3" - CP	5.687	3	2.09	1.62	1	1.81	2.04	M20	500	1.34
29042B	CAT40 x SFC 1" - 4" - CP	6.687	4	2.28	2.62	1	1.81	2.09	M20	500	1.73
29044B	CAT40 x SFC 1" - 6" - CP	8.687	6	2.28	4.54	1	1.81	2.09	M20	500	2.51
29046B	CAT40 x SFC 1-1/4" - 4" - CP	6.687	4	2.28	2.62	1.25	1.81	2.09	M20	500	1.60

Features:

- ▶ High rigidity. ▶ T.I.R.: within 5 μ. ▶ Slim design. ▶ Easy operation.

Product information:

- ▶ We accept special order of the design with 6 threaded holes for balance with balancing screws.
- ▶ Balance: G2.5 25,000 rpm. 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	Preset Screw
	
P.W-56	P.W-82



CAT / SFC SHRINK FIT CHUCK

with CP coolant hole

4.5°

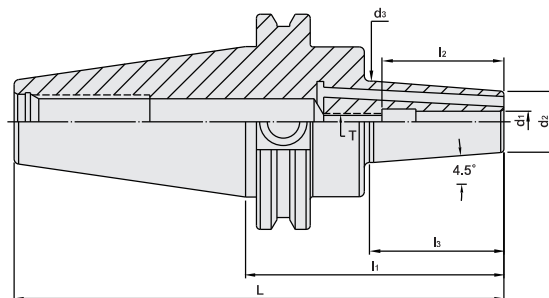
Coolant
hole

CAT / SFC 熱膨脹刀桿 [出水孔型]



T W PAT NO. M284478
J P PAT NO. 3134091
J P PAT NO. 3200356
T R PAT NO. TR 200703317 Y
D E PAT NO. Nr.202007006594.9
U S PAT NO. US75564618.2

INCHES



MODEL NO.	TYPE	L	l ₁	l ₂	l ₃	d ₁	d ₂	d ₃	T	TORQUE N.m min	WEIGHT (KGS)
29052B	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
29054B	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
29056B	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
29058B	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
29060B	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
29062B	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
29064B	CAT50 x SFC3/4" - 4.13" - CP	8.13	4.13	2.04	2.71	0.75	1.42	1.65	M16	320	3.52
29066B	CAT50 x SFC3/4" - 6" - CP	10	6	2.04	3.91	0.75	1.42	1.65	M16	320	4.03
29068B	CAT50 x SFC1" - 4.13" - CP	8.13	4.13	2.28	2.71	1	1.81	2.09	M20	500	3.81
29070B	CAT50 x SFC1" - 6" - CP	10	6	2.28	4.12	1	1.81	2.09	M20	500	4.56
29072B	CAT50 x SFC1-1/4" - 4.13" - CP	8.13	4.13	2.28	2.63	1.25	1.81	2.09	M20	500	3.68
29074B	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
29076B	CAT50 x SFC1-1/4" - 6" - CP	10	6	2.28	4.12	1.25	1.81	2.09	M20	550	4.43

Features:

- ▶ High rigidity. ▶ T.I.R.: within 5 μ. ▶ Slim design. ▶ Easy operation.

Product information:

- ▶ We accept special order of the design with 6 threaded holes for balance with balancing screws.
- ▶ Balance: G2.5 25,000 rpm. 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	Preset Screw
	
P.W-56	P.W-82

DAT / SFC SHRINK FIT CHUCK

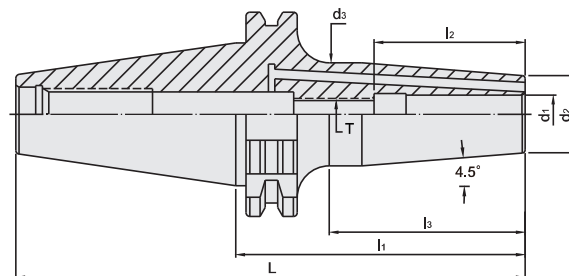
with CP coolant hole



DAT / SFC 熱膨脹刀桿 [出水孔型]



T W PAT NO. M284478
J P PAT NO. 3134091
J P PAT NO. 3200356
T R PAT NO. TR 200703317 Y
D E PAT NO. Nr.202007006594.9
U S PAT NO. US75564618.2



MODEL NO.	TYPE	L	l ₁	l ₂	l ₃	d ₁	d ₂	d ₃	T	TORQUE N.m min	WEIGHT (KGS)
49106B - 60	DAT30 x SFC6 - 60 - CP	107.8	60	36	38.1	6	23	29	M5	18	0.53
49106B	DAT30 x SFC6 - 80 - CP	127.8	80	36	55	6	21	27	M5	18	0.58
49108B - 60	DAT30 x SFC8 - 60 - CP	107.8	60	36	38.1	8	23	29	M6	35	0.52
49108B	DAT30 x SFC8 - 80 - CP	127.8	80	36	55	8	21	27	M6	35	0.58
49110B - 60	DAT30 x SFC10 - 60 - CP	107.8	60	42	38.1	10	27	29	M8	65	0.56
49110B	DAT30 x SFC10 - 80 - CP	127.8	80	42	55	10	24	32	M8	65	0.64
49112B - 60	DAT30 x SFC12 - 60 - CP	107.8	60	47	38.1	12	27	33	M10	110	0.56
49112B	DAT30 x SFC12 - 80 - CP	127.8	80	47	55	12	24	32	M10	110	0.62
49116B - 65	DAT30 x SFC16 - 65 - CP	112.8	65	50	44.9	16	30	37	M12	200	0.64
49116B	DAT30 x SFC16 - 80 - CP	127.8	80	50	55	16	27	34	M12	200	0.64
49120B - 70	DAT30 x SFC20 - 70 - CP	117.8	70	52	50	20	35.5	40.5	M16	320	0.70

Features:

- ▶ High rigidity. ▶ T.I.R.: within 5 μ. ▶ Slim design. ▶ Easy operation.

Product information:

- ▶ We accept special order of the design with 6 threaded holes for balance with balancing screws.
- ▶ Balance: G2.5 25,000 rpm. 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	Preset Screw
	
P.W-57	P.W-82



DAT / SFC SHRINK FIT CHUCK

with CP coolant hole

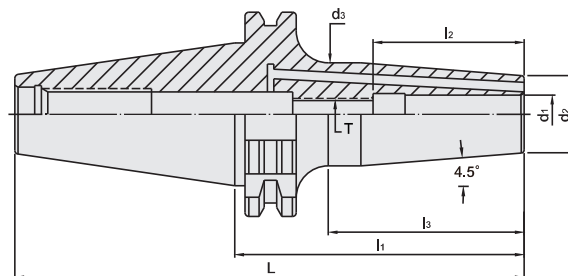
4.5°

Coolant
hole

DAT / SFC 熱膨脹刀桿 [出水孔型]



T W PAT NO. M284478
J P PAT NO. 3134091
J P PAT NO. 3200356
T R PAT NO. TR 200703317 Y
D E PAT NO. Nr.202007006594.9
U S PAT NO. US75564618.2



MODEL NO.	TYPE	L	l ₁	l ₂	l ₃	d ₁	d ₂	d ₃	T	TORQUE N.m min	WEIGHT (KGS)
49136B - 80	DAT40 x SFC6 - 80 - CP	148.4	80	36	55.9	6	21	27	M5	18	1.03
49136B - 130	DAT40 x SFC6 - 130 - CP	198.4	130	36	105.9	6	21	27	M5	18	1.25
49136B - 160	DAT40 x SFC6 - 160 - CP	228.4	160	36	105.9	6	21	27	M5	18	1.38
49136B - 200	DAT40 x SFC6 - 200 - CP	268.4	200	36	146	6	21	27	M5	18	1.56
49138B - 80	DAT40 x SFC8 - 80 - CP	148.4	80	36	55.9	8	21	27	M6	35	0.93
49138B - 130	DAT40 x SFC8 - 130 - CP	198.4	130	36	105.9	8	21	27	M6	35	1.24
49138B - 160	DAT40 x SFC8 - 160 - CP	228.4	160	36	105.9	8	21	27	M6	35	1.37
49138B - 200	DAT40 x SFC8 - 200 - CP	268.4	200	36	146	8	21	27	M6	35	1.55
49140B - 80	DAT40 x SFC10 - 80 - CP	148.4	80	42	55.9	10	24	32	M8	65	1.21
49140B - 130	DAT40 x SFC10 - 130 - CP	198.4	130	42	105.9	10	24	32	M8	65	1.52
49140B - 160	DAT40 x SFC10 - 160 - CP	228.4	160	42	105.9	10	24	32	M8	65	1.65
49140B - 200	DAT40 x SFC10 - 200 - CP	268.4	200	42	146	10	24	32	M8	65	1.83
49142B - 80	DAT40 x SFC12 - 80 - CP	148.4	80	47	55.9	12	24	32	M10	110	1.01
49142B - 130	DAT40 x SFC12 - 130 - CP	198.4	130	47	105.9	12	24	32	M10	110	1.50
49142B - 160	DAT40 x SFC12 - 160 - CP	228.4	160	47	105.9	12	24	32	M10	110	1.45
49142B - 200	DAT40 x SFC12 - 200 - CP	268.4	200	47	146	12	24	32	M10	110	1.81
49144B - 80	DAT40 x SFC14 - 80 - CP	148.4	80	47	55.9	14	27	34	M10	150	0.89
49144B - 130	DAT40 x SFC14 - 130 - CP	198.4	130	47	105.9	14	27	34	M10	150	1.38
49144B - 160	DAT40 x SFC14 - 160 - CP	228.4	160	47	105.9	14	27	34	M10	150	1.33
49144B - 200	DAT40 x SFC14 - 200 - CP	268.4	200	47	146	14	27	34	M10	150	1.93

Features:

- ▶ High rigidity. ▶ T.I.R.: within 5 μ. ▶ Slim design. ▶ Easy operation.

Product information:

- ▶ We accept special order of the design with 6 threaded holes for balance with balancing screws.
- ▶ Balance: G2.5 25,000 rpm. 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

Preset Screw



P.W-57



P.W-82

DAT / SFC SHRINK FIT CHUCK

with CP coolant hole

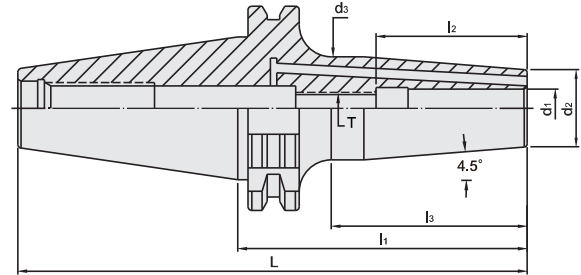
4.5°

Coolant
hole

DAT / SFC 熱膨脹刀桿 [出水孔型]



T W PAT NO. M284478
J P PAT NO. 3134091
J P PAT NO. 3200356
T R PAT NO. TR 200703317 Y
D E PAT NO. Nr.202007006594.9
U S PAT NO. US75564618.2



MODEL NO.	TYPE	L	l ₁	l ₂	l ₃	d ₁	d ₂	d ₃	T	TORQUE N.m min	WEIGHT (KGS)
49146B - 80	DAT40 x SFC16 - 80 - CP	148.4	80	50	55.8	16	27	34	M12	200	1.09
49146B - 130	DAT40 x SFC16 - 130 - CP	198.4	130	50	105.9	16	27	34	M12	200	1.44
49146B - 160	DAT40 x SFC16 - 160 - CP	228.4	160	50	105.9	16	27	34	M12	200	1.65
49146B - 200	DAT40 x SFC16 - 200 - CP	268.4	200	50	146	16	27	34	M12	200	1.93
49148B - 80	DAT40 x SFC18 - 80 - CP	148.4	80	50	57.9	18	33	42	M12	250	1.23
49148B - 130	DAT40 x SFC18 - 130 - CP	198.4	130	50	107.9	18	33	42	M12	250	1.76
49148B - 160	DAT40 x SFC18 - 160 - CP	228.4	160	50	107.9	18	33	42	M12	250	2.08
49148B - 200	DAT40 x SFC18 - 200 - CP	268.4	200	50	147.9	18	33	42	M12	250	2.51
49150B - 80	DAT40 x SFC20 - 80 - CP	148.4	80	52	57.9	20	33	42	M16	320	1.21
49150B - 130	DAT40 x SFC20 - 130 - CP	198.4	130	52	107.9	20	33	42	M16	320	1.73
49150B - 160	DAT40 x SFC20 - 160 - CP	228.4	160	52	107.9	20	33	42	M16	320	2.06
49150B - 200	DAT40 x SFC20 - 200 - CP	268.4	200	52	147.9	20	33	42	M16	320	2.48
49152B - 100	DAT40 x SFC25 - 100 - CP	168.4	80	58	80.9	25	44	53	M20	500	1.79
49152B - 130	DAT40 x SFC25 - 130 - CP	198.4	130	58	110.9	25	44	53	M20	500	2.31
49152B - 160	DAT40 x SFC25 - 160 - CP	228.4	160	58	140.9	25	44	53	M20	500	2.81
49152B - 200	DAT40 x SFC25 - 200 - CP	268.4	200	58	180.9	25	44	53	M20	500	3.49
49154B - 100	DAT40 x SFC32 - 100 - CP	168.4	100	58	80.9	32	44	53	M20	550	1.65

Features:

- ▶ High rigidity. ▶ T.I.R.: within 5 μ. ▶ Slim design. ▶ Easy operation.

Product information:

- ▶ We accept special order of the design with 6 threaded holes for balance with balancing screws.
- ▶ Balance: G2.5 25,000 rpm. 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	Preset Screw
	
P.W-57	P.W-82



DAT / SFC SHRINK FIT CHUCK

with CP coolant hole

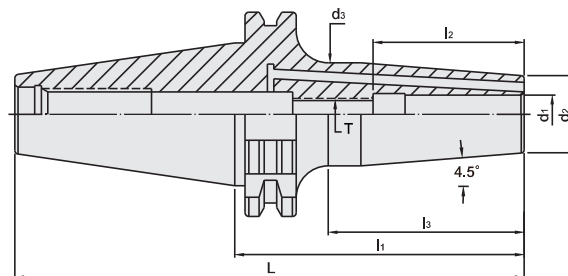
4.5°

Coolant
hole

DAT / SFC 熱膨脹刀桿 [出水孔型]



T W PAT NO. M284478
J P PAT NO. 3134091
J P PAT NO. 3200356
T R PAT NO. TR 200703317 Y
D E PAT NO. Nr.202007006594.9
U S PAT NO. US75564618.2



MODEL NO.	TYPE	L	l ₁	l ₂	l ₃	d ₁	d ₂	d ₃	T	TORQUE N.m min	WEIGHT (KGS)
49166B - 80	DAT50 x SFC6 - 80 - CP	181.75	80	36	50.9	6	21	27	M5	18	2.81
49166B - 130	DAT50 x SFC6 - 130 - CP	231.75	130	36	100.9	6	21	27	M5	18	3.03
49166B - 160	DAT50 x SFC6 - 160 - CP	261.75	160	36	100.9	6	21	27	M5	18	3.17
49166B - 200	DAT50 x SFC6 - 200 - CP	301.75	200	36	141	6	21	27	M5	18	3.34
49168B - 80	DAT50 x SFC8 - 80 - CP	181.75	80	36	50.9	8	21	27	M6	35	2.80
49168B - 130	DAT50 x SFC8 - 130 - CP	231.75	130	36	100.9	8	21	27	M6	35	3.02
49168B - 160	DAT50 x SFC8 - 160 - CP	261.75	160	36	100.9	8	21	27	M6	35	3.16
49168B - 200	DAT50 x SFC8 - 200 - CP	301.75	200	36	141	8	21	27	M6	35	3.33
49170B - 80	DAT50 x SFC10 - 80 - CP	181.75	80	42	50.9	10	24	32	M8	65	2.53
49170B - 130	DAT50 x SFC10 - 130 - CP	231.75	130	42	100.9	10	24	32	M8	65	2.75
49170B - 160	DAT50 x SFC10 - 160 - CP	261.75	160	42	100.9	10	24	32	M8	65	2.89
49170B - 200	DAT50 x SFC10 - 200 - CP	301.75	200	42	141	10	24	32	M8	65	3.60
49172B - 80	DAT50 x SFC12 - 80 - CP	181.75	80	47	50.9	12	24	32	M10	110	2.52
49172B - 130	DAT50 x SFC12 - 130 - CP	231.75	130	47	100.9	12	24	32	M10	110	2.74
49172B - 160	DAT50 x SFC12 - 160 - CP	261.75	160	47	100.9	12	24	32	M10	110	2.88
49172B - 200	DAT50 x SFC12 - 200 - CP	301.75	200	47	141	12	24	32	M10	110	3.59
49174B - 80	DAT50 x SFC14 - 80 - CP	181.75	80	47	50.9	14	27	34	M12	150	2.38
49174B - 130	DAT50 x SFC14 - 130 - CP	231.75	130	47	100.9	14	27	34	M12	150	2.60
49174B - 160	DAT50 x SFC14 - 160 - CP	261.75	160	47	100.9	14	27	34	M12	150	2.74
49174B - 200	DAT50 x SFC14 - 200 - CP	301.75	200	47	141	14	27	34	M12	150	3.73

Features:

- ▶ High rigidity. ▶ T.I.R.: within 5 μ. ▶ Slim design. ▶ Easy operation.

Product information:

- ▶ We accept special order of the design with 6 threaded holes for balance with balancing screws.
- ▶ Balance: G2.5 25,000 rpm. 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



P.W-57

Preset Screw



P.W-82

DAT / SFC SHRINK FIT CHUCK

with CP coolant hole

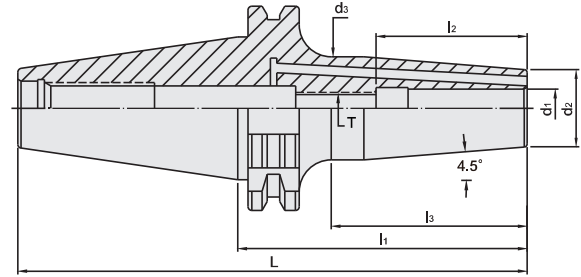
4.5°

Coolant
hole

DAT / SFC 熱膨脹刀桿 [出水孔型]



T W PAT NO. M284478
J P PAT NO. 3134091
J P PAT NO. 3200356
T R PAT NO. TR 200703317 Y
D E PAT NO. Nr.202007006594.9
U S PAT NO. US75564618.2



MODEL NO.	TYPE	L	l ₁	l ₂	l ₃	d ₁	d ₂	d ₃	T	TORQUE N.m min	WEIGHT (KGS)
49176B - 80	DAT50 x SFC16 - 80 - CP	181.75	80	50	50.9	16	27	34	M12	200	2.87
49176B - 130	DAT50 x SFC16 - 130 - CP	231.75	130	50	100.9	16	27	34	M12	200	3.22
49176B - 160	DAT50 x SFC16 - 160 - CP	261.75	160	50	100.9	16	27	34	M12	200	3.43
49176B - 200	DAT50 x SFC16 - 200 - CP	301.75	200	50	141	16	27	34	M12	200	3.71
49178B - 80	DAT50 x SFC18 - 80 - CP	181.75	80	50	57.9	18	33	42	M12	250	2.99
49178B - 130	DAT50 x SFC18 - 130 - CP	231.75	130	50	100.9	18	33	42	M12	250	3.55
49178B - 160	DAT50 x SFC18 - 160 - CP	261.75	160	50	100.9	18	33	42	M12	250	3.87
49178B - 200	DAT50 x SFC18 - 200 - CP	301.75	200	50	141	18	33	42	M12	250	4.30
49180B - 80	DAT50 x SFC20 - 80 - CP	181.75	80	52	57.9	20	33	42	M16	320	2.91
49180B - 130	DAT50 x SFC20 - 130 - CP	231.75	130	52	100.9	20	33	42	M16	320	3.25
49180B - 160	DAT50 x SFC20 - 160 - CP	261.75	160	52	100.9	20	33	42	M16	320	3.57
49180B - 200	DAT50 x SFC20 - 200 - CP	301.75	200	52	141	20	33	42	M16	320	4.27
49182B - 100	DAT50 x SFC25 - 100 - CP	201.75	100	58	70.9	25	44	53	M20	500	3.59
49182B - 130	DAT50 x SFC25 - 130 - CP	231.75	130	58	100.9	25	44	53	M20	500	4.10
49182B - 160	DAT50 x SFC25 - 160 - CP	261.75	160	58	100.9	25	44	53	M20	500	4.61
49182B - 200	DAT50 x SFC25 - 200 - CP	301.75	200	58	141	25	44	53	M20	500	5.29
49184B - 100	DAT50 x SFC32 - 100 - CP	201.75	100	58	70.9	32	44	53	M20	550	3.45

Features:

- ▶ High rigidity. ▶ T.I.R.: within 5 μ. ▶ Slim design. ▶ Easy operation.

Product information:

- ▶ We accept special order of the design with 6 threaded holes for balance with balancing screws.
- ▶ Balance: G2.5 25,000 rpm. 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

P.W-57

Preset Screw

P.W-82



SBT / SFC SHRINK FIT CHUCK

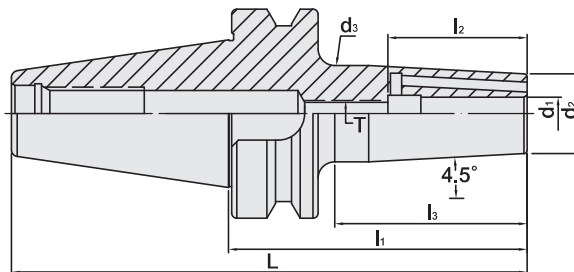
with CP coolant hole



SBT / SFC 法蘭加厚型熱膨脹刀桿 [出水孔型]



T W PAT NO. M284478
J P PAT NO. 3134091
J P PAT NO. 3200356
T R PAT NO. TR 200703317 Y
D E PAT NO. Nr.202007006594.9
U S PAT NO. US75564618.2



MODEL NO.	TYPE	L	l ₁	l ₂	l ₃	d ₁	d ₂	d ₃	T	TORQUE N.m min	WEIGHT (KGS)
25.651.06.060B	SBT30 x SFC6 - 60 - CP	108.4	60	36	33	6	23	-	M5	18	0.70
25.651.06.080B	SBT30 x SFC6 - 80 - CP	128.4	80	36	53	6	21	27	M5	18	0.86
25.651.08.060B	SBT30 x SFC8 - 60 - CP	108.4	60	36	33	8	23	-	M6	35	0.52
25.651.08.080B	SBT30 x SFC8 - 80 - CP	128.4	80	36	53	8	21	27	M6	35	0.58
25.651.10.060B	SBT30 x SFC10 - 60 - CP	108.4	60	42	35	10	27	-	M8	65	0.52
25.651.10.080B	SBT30 x SFC10 - 80 - CP	128.4	80	42	53	10	24	32	M8	65	0.64
25.651.12.060B	SBT30 x SFC12 - 60 - CP	108.4	60	47	36	12	27	-	M10	110	0.52
25.651.12.080B	SBT30 x SFC12 - 80 - CP	128.4	80	47	53	12	24	32	M10	110	0.62
25.651.14.065B	SBT30 x SFC14 - 65 - CP	113.4	65	47	41	14	30	-	M10	150	0.57
25.651.14.080B	SBT30 x SFC14 - 80 - CP	128.4	80	47	55	14	27	34	M10	150	0.69
25.651.16.065B	SBT30 x SFC16 - 65 - CP	113.4	65	50	41	16	30	-	M12	200	0.55
25.651.16.080B	SBT30 x SFC16 - 80 - CP	128.4	80	50	55	16	27	34	M12	200	0.65
25.651.18.070B	SBT30 x SFC18 - 70 - CP	118.4	70	50	46	18	35.5	40.5	M12	250	0.72
25.651.18.090B	SBT30 x SFC18 - 90 - CP	138.4	90	50	66	18	33	40.5	M12	250	0.87
25.651.20.070B	SBT30 x SFC20 - 70 - CP	118.4	70	52	46	20	35.5	40.5	M16	320	0.70
25.651.20.090B	SBT30 x SFC20 - 90 - CP	138.4	90	52	66	20	33	40.5	M16	320	0.81

Features:

- High rigidity. ► T.I.R.: within 5 μ. ► Slim design. ► Easy operation.

Product information:

- We accept special order of the design with 6 threaded holes for balance with balancing screws.
- Balance: G2.5 25,000 rpm. 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	Preset Screw
P.W-54~55	P.W-82

SBT / SFC SHRINK FIT CHUCK

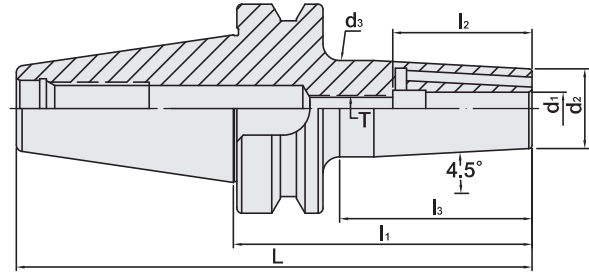
with CP coolant hole



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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)
26.651.06.090B	SBT40 x SFC6 - 90 - CP	191.8	36	36	53	6	21	27	M5	18	1.23
26.651.06.130B	SBT40 x SFC6 - 130 - CP	231.8	36	36	93	6	21	27	M5	18	1.41
26.651.06.160B	SBT40 x SFC6 - 160 - CP	261.8	36	36	93	6	21	27	M5	18	1.54
26.651.06.200B	SBT40 x SFC6 - 200 - CP	301.8	36	36	133	6	21	27	M5	18	1.72
26.651.08.090B	SBT40 x SFC8 - 90 - CP	191.8	36	36	53	8	21	27	M6	35	1.23
26.651.08.130B	SBT40 x SFC8 - 130 - CP	231.8	36	36	93	8	21	27	M6	35	1.41
26.651.08.160B	SBT40 x SFC8 - 160 - CP	261.8	36	36	93	8	21	27	M6	35	1.54
26.651.08.200B	SBT40 x SFC8 - 200 - CP	301.8	36	36	133	8	21	27	M6	35	1.72
26.651.10.090B	SBT40 x SFC10 - 90 - CP	191.8	42	42	53	10	24	32	M8	65	1.48
26.651.10.130B	SBT40 x SFC10 - 130 - CP	231.8	42	42	93	10	24	32	M8	65	1.66
26.651.10.160B	SBT40 x SFC10 - 160 - CP	261.8	42	42	93	10	24	32	M8	65	1.79
26.651.10.200B	SBT40 x SFC10 - 200 - CP	301.8	42	42	133	10	24	32	M8	65	1.97
26.651.12.090B	SBT40 x SFC12 - 90 - CP	191.8	47	47	53	12	27	32	M10	110	1.68
26.651.12.130B	SBT40 x SFC12 -130 - CP	231.8	47	47	93	12	27	32	M10	110	1.86
26.651.12.160B	SBT40 x SFC12 - 160 - CP	261.8	47	47	93	12	27	32	M10	110	1.99
26.651.12.200B	SBT40 x SFC12 - 200 - CP	301.8	47	47	133	12	27	32	M10	110	2.17
26.651.14.090B	SBT40 x SFC14 - 90 - CP	191.8	47	47	53	14	27	34	M10	150	1.76
26.651.14.130B	SBT40 x SFC14 - 130 - CP	231.8	47	47	93	14	27	34	M10	150	1.94
26.651.14.160B	SBT40 x SFC14 - 160 - CP	261.8	47	47	93	14	27	34	M10	150	2.07
26.651.14.200B	SBT40 x SFC14 - 200 - CP	301.8	47	47	133	14	27	34	M10	150	2.25

Features:

- ▶ High rigidity. ▶ T.I.R.: within 5 μ. ▶ Slim design. ▶ Easy operation.

Product information:

- ▶ We accept special order of the design with 6 threaded holes for balance with balancing screws.
- ▶ Balance: G2.5 25,000 rpm. 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	Preset Screw
	
P.W-54~55	P.W-82



SBT / SFC SHRINK FIT CHUCK

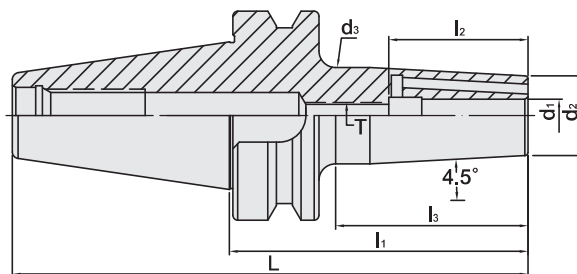
with CP coolant hole



SBT / SFC 法蘭加厚型熱膨脹刀桿 [出水孔型]



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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)
26.651.16.090B	SBT40 x SFC16 - 90 - CP	155.4	90	50	53	16	27	34	M12	200	1.57
26.651.16.130B	SBT40 x SFC16 - 130 - CP	195.4	130	50	93	16	27	34	M12	200	1.75
26.651.16.160B	SBT40 x SFC16 - 160 - CP	225.4	160	50	93	16	27	34	M12	200	1.91
26.651.16.200B	SBT40 x SFC16 - 200 - CP	265.4	200	50	133	16	27	34	M12	200	2.06
26.651.18.090B	SBT40 x SFC18 - 90 - CP	155.4	90	50	58	18	33	42	M12	250	2.12
26.651.18.130B	SBT40 x SFC18 - 130 - CP	195.4	130	50	98	18	33	42	M12	250	2.31
26.651.18.160B	SBT40 x SFC18 - 160 - CP	225.4	160	50	98	18	33	42	M12	250	2.46
26.651.18.200B	SBT40 x SFC18 - 200 - CP	265.4	200	50	138	18	33	42	M12	250	2.61
26.651.19.090B	SBT40 x SFC19 - 90 - CP	155.4	90	60	61.5	19	33	42	M16	320	1.33
26.651.20.090B	SBT40 x SFC20 - 90 - CP	155.4	90	52	58	20	33	42	M16	320	2.09
26.651.20.130B	SBT40 x SFC20 - 130 - CP	195.4	130	52	98	20	33	42	M16	320	2.28
26.651.20.160B	SBT40 x SFC20 - 160 - CP	225.4	160	52	98	20	33	42	M16	320	2.43
26.651.20.200B	SBT40 x SFC20 - 200 - CP	265.4	200	52	138	20	33	42	M16	320	2.57
26.651.24.090B	SBT40 x SFC24 - 90 - CP	155.4	90	72	61.5	24	44	53	M20	500	1.57
26.651.25.100B	SBT40 x SFC25 - 100 - CP	165.4	100	58	71	25	44	53	M20	500	1.83
26.651.25.130B	SBT40 x SFC25 - 130 - CP	195.4	130	58	101	25	44	53	M20	500	2.34
26.651.25.160B	SBT40 x SFC25 - 160 - CP	225.4	160	58	131	25	44	53	M20	500	2.85
26.651.25.200B	SBT40 x SFC25 - 200 - CP	265.4	200	58	171	25	44	53	M20	500	3.53
26.651.32.100B	SBT40 x SFC32 - 100 - CP	165.4	100	58	71	32	44	53	M20	520	1.69
26.651.32.130B	SBT40 x SFC32 - 130 - CP	195.4	130	58	101	32	44	53	M20	520	2.21
26.651.32.160B	SBT40 x SFC32 - 160 - CP	225.4	160	58	131	32	44	53	M20	520	2.71
26.651.32.200B	SBT40 x SFC32 - 200 - CP	265.4	200	58	171	32	44	53	M20	520	3.39

Features:

- ▶ High rigidity. ▶ T.I.R.: within 5 μ. ▶ Slim design. ▶ Easy operation.

Product information:

- ▶ We accept special order of the design with 6 threaded holes for balance with balancing screws.
- ▶ Balance: G2.5 25,000 rpm. 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	Preset Screw
	
P.W-54~55	P.W-82

SBT / SFC SHRINK FIT CHUCK

with CP coolant hole

Dual
DRIVE+

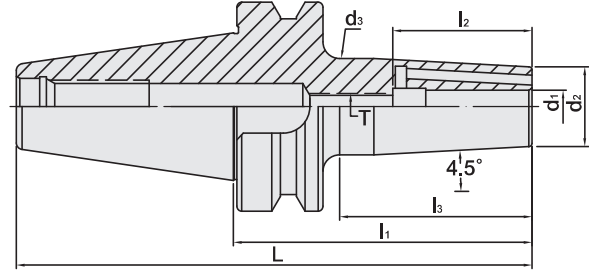
4.5°

Coolant
hole

SBT / SFC 法蘭加厚型熱膨脹刀桿 [出水孔型]



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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)
27.651.06.100B	SBT50 x SFC6 - 100 - CP	201.8	100	36	52	6	21	27	M5	18	3.75
27.651.06.130B	SBT50 x SFC6 - 130 - CP	231.8	130	36	82	6	21	27	M5	18	3.94
27.651.06.160B	SBT50 x SFC6 - 160 - CP	261.8	160	36	82	6	21	27	M5	18	4.07
27.651.06.200B	SBT50 x SFC6 - 200 - CP	301.8	200	36	122	6	21	27	M5	18	4.24
27.651.08.100B	SBT50 x SFC8 - 100 - CP	201.8	100	36	52	8	21	27	M6	35	3.74
27.651.08.130B	SBT50 x SFC8 - 130 - CP	231.8	130	36	82	8	21	27	M6	35	3.93
27.651.08.160B	SBT50 x SFC8 - 160 - CP	261.8	160	36	82	8	21	27	M6	35	4.06
27.651.08.200B	SBT50 x SFC8 - 200 - CP	301.8	200	36	122	8	21	27	M6	35	4.23
27.651.10.100B	SBT50 x SFC10 - 100 - CP	201.8	100	42	52	10	24	32	M8	65	3.82
27.651.10.130B	SBT50 x SFC10 - 130 - CP	231.8	130	42	82	10	24	32	M8	65	4.05
27.651.10.160B	SBT50 x SFC10 - 160 - CP	261.8	160	42	82	10	24	32	M8	65	4.18
27.651.10.200B	SBT50 x SFC10 - 200 - CP	301.8	200	42	122	10	24	32	M8	65	4.35
27.651.12.100B	SBT50 x SFC12 - 100 - CP	201.8	100	47	52	12	24	32	M10	110	3.81
27.651.12.130B	SBT50 x SFC12 - 130 - CP	231.8	130	47	82	12	24	32	M10	110	4.04
27.651.12.160B	SBT50 x SFC12 - 160 - CP	261.8	60	47	82	12	24	32	M10	110	4.17
27.651.12.200B	SBT50 x SFC12 - 200 - CP	301.8	200	47	122	12	24	32	M10	110	4.34
27.651.14.100B	SBT50 x SFC14 - 100 - CP	201.8	100	47	52	14	27	34	M10	150	3.88
27.651.14.130B	SBT50 x SFC14 - 130 - CP	231.8	130	47	82	14	27	34	M10	150	4.11
27.651.14.160B	SBT50 x SFC14 - 160 - CP	261.8	160	47	82	14	27	34	M10	150	4.24
27.651.14.200B	SBT50 x SFC14 - 200 - CP	301.8	200	47	122	14	27	34	M10	150	4.41

Features:

- ▶ High rigidity. ▶ T.I.R.: within 5 μ. ▶ Slim design. ▶ Easy operation.

Product information:

- ▶ We accept special order of the design with 6 threaded holes for balance with balancing screws.
- ▶ Balance: G2.5 25,000 rpm. 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	Preset Screw
	
P.W-54~55	P.W-82



SBT / SFC SHRINK FIT CHUCK

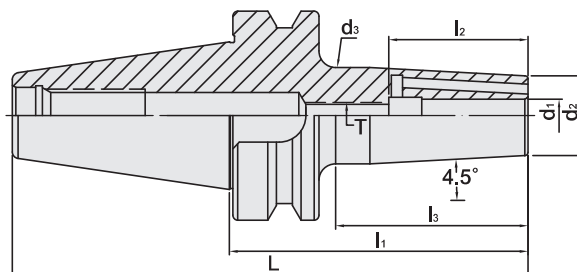
with CP coolant hole



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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)
27.651.16.100B	SBT50 x SFC16 - 100 - CP	201.8	100	50	52	16	27	34	M12	200	3.90
27.651.16.130B	SBT50 x SFC16 - 130 - CP	231.8	130	50	82	16	27	34	M12	200	4.09
27.651.16.160B	SBT50 x SFC16 - 160 - CP	261.8	160	50	82	16	27	34	M12	200	4.26
27.651.16.200B	SBT50 x SFC16 - 200 - CP	301.8	200	50	122	16	27	34	M12	200	4.43
27.651.18.100B	SBT50 x SFC18 - 100 - CP	201.8	100	50	52	18	33	42	M12	250	4.15
27.651.18.130B	SBT50 x SFC18 - 130 - CP	231.8	130	50	82	18	33	42	M12	250	4.34
27.651.18.160B	SBT50 x SFC18 - 160 - CP	261.8	160	50	82	18	33	42	M12	250	4.51
27.651.18.200B	SBT50 x SFC18 - 200 - CP	301.8	200	50	122	18	33	42	M12	250	4.68
27.651.19.100B	SBT50 x SFC19 - 100 - CP	201.8	100	60	60	19	33	42	M16	320	3.98
27.651.20.100B	SBT50 x SFC20 - 100 - CP	201.8	100	52	52	20	33	42	M16	320	4.07
27.651.20.130B	SBT50 x SFC20 - 130 - CP	231.8	130	52	82	20	33	42	M16	320	4.32
27.651.20.160B	SBT50 x SFC20 - 160 - CP	261.8	160	52	82	20	33	42	M16	320	4.53
27.651.20.200B	SBT50 x SFC20 - 200 - CP	301.8	200	52	122	20	33	42	M16	320	4.70
27.651.24.100B	SBT50 x SFC24 - 100 - CP	201.8	100	72	60	24	44	53	M20	500	4.19
27.651.25.100B	SBT50 x SFC25 - 100 - CP	201.8	100	58	52	25	44	53	M20	500	4.53
27.651.25.130B	SBT50 x SFC25 - 130 - CP	231.8	130	58	82	25	44	53	M20	500	4.78
27.651.25.160B	SBT50 x SFC25 - 160 - CP	261.8	160	58	82	25	44	53	M20	500	4.99
27.651.25.200B	SBT50 x SFC25 - 200 - CP	301.8	200	58	122	25	44	53	M20	500	5.16
27.651.32.100B	SBT50 x SFC32 - 100 - CP	201.8	100	58	52	32	44	53	M20	550	4.38
27.651.32.130B	SBT50 x SFC32 - 130 - CP	231.8	130	58	82	32	44	53	M20	550	4.63
27.651.32.160B	SBT50 x SFC32 - 160 - CP	261.8	160	58	82	32	44	53	M20	550	4.84
27.651.32.200B	SBT50 x SFC32 - 200 - CP	301.8	200	58	122	32	44	53	M20	550	5.01

Features:

- High rigidity. ► T.I.R.: within 5 µ. ► Slim design. ► Easy operation.

Product information:

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- Balance: G2.5 25,000 rpm. 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	Preset Screw
	
P.W-54~55	P.W-82

SBT / SFCT SHRINK FIT CHUCK

with CP coolant hole

Dual
DRIVE+

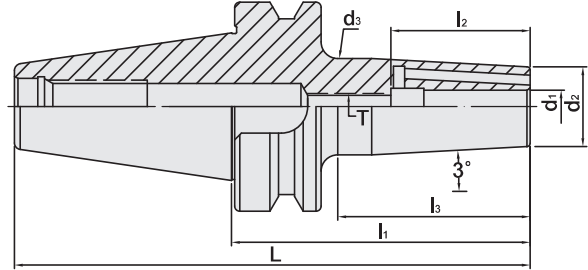
3°

Coolant
hole

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25.651T.06.080B	SBT30 x SFCT6 - 80 - CP	128.4	80	36	53	6	21	26	M5	18	0.64
25.651T.08.080B	SBT30 x SFCT8 - 80 - CP	128.4	80	36	53	8	21	26	M6	35	0.56
25.651T.10.080B	SBT30 x SFCT10 - 80 - CP	128.4	80	42	53	10	24	29	M8	65	0.66
25.651T.12.080B	SBT30 x SFCT12 - 80 - CP	128.4	80	47	53	12	24	29	M10	110	0.66
25.651T.14.080B	SBT30 x SFCT14 - 80 - CP	128.4	80	47	46	14	24	32	M10	150	0.58
25.651T.16.080B	SBT30 x SFCT16 - 80 - CP	128.4	80	50	55	16	27	32	M12	200	0.60
25.651T.18.090B	SBT30 x SFCT18 - 90 - CP	138.4	90	50	66	18	33	38	M12	250	0.80
25.651T.20.090B	SBT30 x SFCT20 - 90 - CP	138.4	90	52	66	20	33	38	M16	320	0.76
25.651T.25.100B	SBT30 x SFCT25 - 100 - CP	148.4	100	58	78	25	44	49	M20	500	1.17
26.651T.06.090B	SBT40 x SFCT6 - 90 - CP	155.4	90	36	58	6	21	26	M5	18	1.15
26.651T.08.090B	SBT40 x SFCT8 - 90 - CP	155.4	90	36	58	8	21	26	M6	35	1.15
26.651T.10.090B	SBT40 x SFCT10 - 90 - CP	155.4	90	42	58	10	24	29	M8	65	1.20
26.651T.12.090B	SBT40 x SFCT12 - 90 - CP	155.4	90	47	58	12	24	29	M10	110	1.19
26.651T.14.090B	SBT40 x SFCT14 - 90 - CP	155.4	90	47	58	14	27	32	M10	150	1.24
26.651T.16.090B	SBT40 x SFCT16 - 90 - CP	155.4	90	50	58	16	27	32	M12	200	1.21
26.651T.18.100B	SBT40 x SFCT18 - 100 - CP	165.4	100	50	68	18	33	38	M12	250	1.42
26.651T.20.100B	SBT40 x SFCT20 - 100 - CP	165.4	100	52	68	20	33	38	M16	320	1.38
26.651T.25.100B	SBT40 x SFCT25 - 100 - CP	165.4	100	58	71	25	44	49	M20	500	1.66
26.651T.32.100B	SBT40 x SFCT32 - 100 - CP	165.4	100	58	71	32	44	49	M20	550	1.52

Features:

- High rigidity. ► T.I.R.: within 5 μ. ► Slim design. ► Easy operation.

Product information:

- We accept special order of the design with 6 threaded holes for balance with balancing screws.
- Balance: G2.5 25,000 rpm. 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	Preset Screw
	
P.W-54~55	P.W-82



SBT / SFCT SHRINK FIT CHUCK

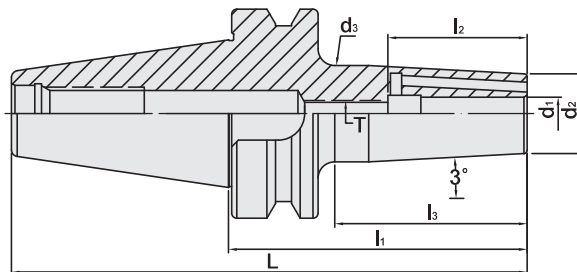
with CP coolant hole



SBT / SFCT 法蘭加厚型熱膨脹刀桿 [出水孔型]



T W PAT NO. M284478
J P PAT NO. 3134091
J P PAT NO. 3200356
T R PAT NO. TR 200703317 Y
D E PAT NO. Nr.202007006594.9
U S PAT NO. US75564618.2



MODEL NO.	TYPE	L	l ₁	l ₂	l ₃	d ₁	d ₂	d ₃	T	TORQUE N.m min	WEIGHT (KGS)
27.651T.06.100B	SBT50 x SFCT6 - 100 - CP	201.8	100	36	57	6	21	26	M5	18	3.92
27.651T.08.100B	SBT50 x SFCT8 - 100 - CP	201.8	100	36	52	8	21	26	M6	35	3.92
27.651T.10.100B	SBT50 x SFCT10 - 100 - CP	201.8	100	42	58	10	24	29	M8	65	3.90
27.651T.12.100B	SBT50 x SFCT12 - 100 - CP	201.8	100	47	52	12	24	29	M10	110	3.94
27.651T.14.100B	SBT50 x SFCT14 - 100 - CP	201.8	100	47	57	14	27	32	M10	150	4.02
27.651T.16.100B	SBT50 x SFCT16 - 100 - CP	201.8	100	50	52	16	27	32	M12	200	3.96
27.651T.18.110B	SBT50 x SFCT18 - 110 - CP	211.8	110	50	62	18	33	38	M12	250	4.18
27.651T.20.110B	SBT50 x SFCT20 - 110 - CP	211.8	110	52	67	20	33	38	M16	320	4.14
27.651T.25.110B	SBT50 x SFCT25 - 110 - CP	211.8	110	58	67	25	44	49	M20	500	4.46
27.651T.32.110B	SBT50 x SFCT32 - 110 - CP	211.8	110	58	67	32	44	49	M20	550	4.30

Features:

- High rigidity. ► T.I.R.: within 5 μ. ► Slim design. ► Easy operation.

Product information:

- We accept special order of the design with 6 threaded holes for balance with balancing screws.
- Balance: G2.5 25,000 rpm. 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	Preset Screw
P.W-54~55	P.W-82

SCAT / SFC SHRINK FIT CHUCK

with CP coolant hole

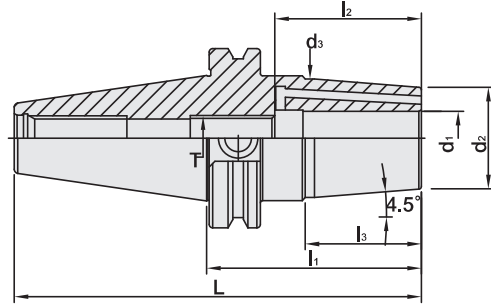
Dual
DRIVE+

4.5°

Coolant
hole

SCAT / SFC 法蘭加厚型熱膨脹刀桿 [出水孔型]

T W PAT NO. M284478
J P PAT NO. 3134091
J P PAT NO. 3200356
T R PAT NO. TR 200703317 Y
D E PAT NO. Nr.202007006594.9
U S PAT NO. US75564618.2



MODEL NO.	TYPE	L	l ₁	l ₂	l ₃	d ₁	d ₂	d ₃	T	TORQUE N.m min	WEIGHT (KGS)
43.651.06.100B	SCAT40 x SFC6 - 100 - CP	168,249	100	36	54	6	21	27	M5	18	1.23
43.651.06.150B	SCAT40 x SFC6 - 150 - CP	218,249	150	36	104	6	21	27	M5	18	1.39
43.651.08.100B	SCAT40 x SFC8 - 100 - CP	168,249	100	36	54	8	21	27	M6	35	1.22
43.651.08.150B	SCAT40 x SFC8 - 150 - CP	218,249	150	36	104	8	21	27	M6	35	1.39
43.651.10.100B	SCAT40 x SFC10 - 100 - CP	168,249	100	42	56	10	24	32	M8	65	1.28
43.651.10.150B	SCAT40 x SFC10 - 150 - CP	218,249	150	42	106	10	24	32	M8	65	1.53
43.651.12.100B	SCAT40 x SFC12 - 100 - CP	168,249	100	47	59	12	24	33.3	M10	110	1.27
43.651.12.150B	SCAT40 x SFC12 - 150 - CP	218,249	150	47	104	12	24	32	M10	110	1.52
43.651.14.100B	SCAT40 x SFC14 - 100 - CP	168,249	100	47	59	14	27	34	M10	150	1.27
43.651.14.150B	SCAT40 x SFC14 - 150 - CP	218,249	150	47	112	14	27	34	M10	150	1.62
43.651.16.100B	SCAT40 x SFC16 - 100 - CP	168,249	100	50	54	16	27	34	M12	200	1.25
43.651.16.160B	SCAT40 x SFC16 - 160 - CP	228,249	160	50	119	16	27	34	M12	200	1.64
43.651.18.100B	SCAT40 x SFC18 - 100 - CP	168,249	100	50	63	18	33	42	M12	250	1.43
43.651.20.080B	SCAT40 x SFC20 - 80 - CP	148,249	80	52	42	20	33	39	M16	320	1.20

Features:

- High rigidity. ► T.I.R.: within 5 μ. ► Slim design. ► Easy operation.

Product information:

- We accept special order of the design with 6 threaded holes for balance with balancing screws.
- Balance: G2.5 25,000 rpm. 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	Preset Screw
	
P.W-56	P.W-82



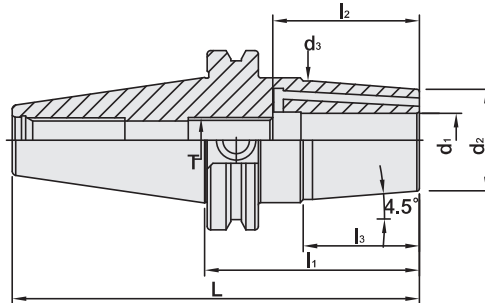
SCAT / SFC SHRINK FIT CHUCK

with CP coolant hole



SCAT / SFC 法蘭加厚型熱膨脹刀桿 [出水孔型]

T W PAT NO. M284478
J P PAT NO. 3134091
J P PAT NO. 3200356
T R PAT NO. TR 200703317 Y
D E PAT NO. Nr.202007006594.9
U S PAT NO. US75564618.2



MODEL NO.	TYPE	L	l ₁	l ₂	l ₃	d ₁	d ₂	d ₃	T	TORQUE N.m min	WEIGHT (KGS)
44.651.06.100B	SCAT50 x SFC6 - 100 - CP	201.6	100	36	62	6	21	27	M5	18	3.21
44.651.06.150B	SCAT50 x SFC6 - 150 - CP	251.6	150	36	101	6	21	27	M5	18	3.42
44.651.08.100B	SCAT50 x SFC8 - 100 - CP	201.6	100	36	60	8	21	27	M6	35	3.21
44.651.08.150B	SCAT50 x SFC8 - 150 - CP	251.6	150	36	101	8	21	27	M6	35	3.41
44.651.10.100B	SCAT50 x SFC10 - 100 - CP	201.6	100	42	60	10	24	32	M8	65	3.27
44.651.10.150B	SCAT50 x SFC10 - 150 - CP	251.6	150	42	91	10	24	32	M8	65	3.74
44.651.12.100B	SCAT50 x SFC12 - 100 - CP	201.6	100	47	62	12	24	32	M10	110	3.26
44.651.12.150B	SCAT50 x SFC12 - 150 - CP	251.6	150	47	91	12	24	32	M10	110	3.71
44.651.14.100B	SCAT50 x SFC14 - 100 - CP	201.6	100	47	62	14	27	34	M10	150	3.31
44.651.14.150B	SCAT50 x SFC14 - 150 - CP	251.6	150	47	92	14	27	34	M10	150	3.79
44.651.16.100B	SCAT50 x SFC16 - 100 - CP	201.6	100	50	62	16	27	34	M12	200	3.29
44.651.16.160B	SCAT50 x SFC16 - 160 - CP	261.6	160	50	102	16	27	34	M12	200	3.83
44.651.18.100B	SCAT50 x SFC18 - 100 - CP	201.6	100	50	62	18	33	42	M12	250	3.45
44.651.20.080B	SCAT50 x SFC20 - 80 - CP	181.6	80	52	35	20	33	42	M16	320	3.26
44.651.25.100B	SCAT50 x SFC25 - 100 - CP	201.6	100	58	62	25	44	53	M20	500	3.69
44.651.32.100B	SCAT50 x SFC32 - 100 - CP	201.6	100	58	62	32	44	53	M20	550	3.55

Features:

- High rigidity. ► T.I.R.: within 5 μ. ► Slim design. ► Easy operation.

Product information:

- We accept special order of the design with 6 threaded holes for balance with balancing screws.
- Balance: G2.5 25,000 rpm. 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	Preset Screw
	
P.W-56	P.W-82

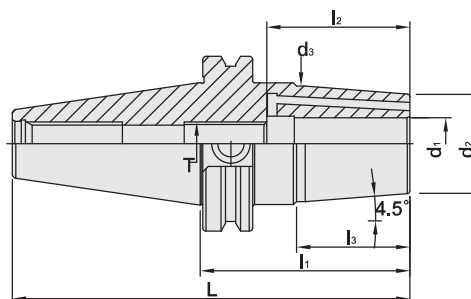
SCAT / SFC SHRINK FIT CHUCK

with CP coolant hole



SCAT / SFC 法蘭加厚型熱膨脹刀桿 [出水孔型]

T W PAT NO. M284478
J P PAT NO. 3134091
J P PAT NO. 3200356
T R PAT NO. TR 200703317 Y
D E PAT NO. Nr.202007006594.9
U S PAT NO. US75564618.2



INCHES

MODEL NO.	TYPE	L	l ₁	l ₂	l ₃	d ₁	d ₂	d ₃	T	TORQUE N.m min	WEIGHT (KGS)
43.651.52.350B	SCAT40 x SFC1/8" - 3.5" - CP	6.187	3.5	0.79	1.75	0.125	0.63	0.87	M6	18	1.03
43.651.52.500B	SCAT40 x SFC1/8" - 5" - CP	7.687	5	0.79	3.56	0.125	0.63	0.87	-	18	1.11
43.651.53.350B	SCAT40 x SFC3/16" - 3.5" - CP	6.187	3.5	0.79	1.75	0.1875	0.63	0.87	M6	18	1.04
43.651.53.500B	SCAT40 x SFC3/16" - 5" - CP	7.687	5	0.79	3.22	0.1875	0.63	0.87	-	18	1.10
43.651.54.300B	SCAT40 x SFC1/4" - 3" - CP	5.687	3	1.42	1.56	0.25	0.71	0.94	M5	18	1.09
43.651.54.350B	SCAT40 x SFC1/4" - 3.5" - CP	6.187	3.5	1.42	2	0.25	0.71	0.94	M5	18	1.12
43.651.54.500B	SCAT40 x SFC1/4" - 5" - CP	7.687	5	1.42	3.12	0.25	0.71	1.06	M5	18	1.29
43.651.54.600B	SCAT40 x SFC1/4" - 6" - CP	8.687	6	1.42	4.44	0.25	0.71	1.37	M5	18	1.49
43.651.55.350B	SCAT40 x SFC5/16" - 3.5" - CP	6.187	3.5	1.42	2.06	0.3125	0.79	1.06	M6	35	1.14
43.651.55.500B	SCAT40 x SFC5/16" - 5" - CP	7.687	5	1.42	3.12	0.3125	0.79	1.06	M6	35	1.30
43.651.56.300B	SCAT40 x SFC3/8" - 3" - CP	5.687	3	1.65	1.56	0.375	0.94	1.18	M8	65	1.15
43.651.56.375B	SCAT40 x SFC3/8" - 3.75" - CP	6.437	3.75	1.65	2.31	0.375	0.94	1.26	M8	65	1.24
43.651.56.500B	SCAT40 x SFC3/8" - 5" - CP	7.687	5	1.65	3.27	0.375	0.94	1.37	M8	65	1.46
43.651.56.600B	SCAT40 x SFC3/8" - 6" - CP	8.687	6	1.65	4.44	0.375	0.94	1.37	M8	65	1.66
43.651.58.300B	SCAT40 x SFC1/2" - 3" - CP	5.687	3	1.85	1.56	0.5	1.1	1.34	M10	110	1.19
43.651.58.375B	SCAT40 x SFC1/2" - 3.75" - CP	6.437	3.75	1.85	2.31	0.5	1.1	1.34	M10	110	1.30
43.651.58.500B	SCAT40 x SFC1/2" - 5" - CP	7.687	5	1.85	3.44	0.5	1.1	1.37	M10	110	1.52
43.651.58.600B	SCAT40 x SFC1/2" - 6" - CP	8.687	6	1.85	4.35	0.5	1.1	1.37	M10	110	1.68
43.651.61.375B	SCAT40 x SFC5/8" - 3.75" - CP	6.437	3.75	1.97	2.17	0.625	1.06	1.34	M12	200	1.27
43.651.64.300B	SCAT40 x SFC3/4" - 3" - CP	5.687	3	2.04	1.62	0.75	1.42	1.65	M16	320	1.24
43.651.64.400B	SCAT40 x SFC3/4" - 4" - CP	6.687	4	2.04	2.62	0.75	1.42	1.65	M16	320	1.49
43.651.64.500B	SCAT40 x SFC3/4" - 5" - CP	7.687	5	2.04	3.44	0.75	1.26	1.37	M16	320	1.48
43.651.64.600B	SCAT40 x SFC3/4" - 6" - CP	8.687	6	2.04	4.44	0.75	1.26	1.37	M16	320	1.64
43.651.68.300B	SCAT40 x SFC1" - 3" - CP	5.687	3	2.09	1.62	1	1.81	2.04	M20	500	1.34
43.651.68.400B	SCAT40 x SFC1" - 4" - CP	6.687	4	2.28	2.62	1	1.81	2.09	M20	500	1.73
43.651.68.600B	SCAT40 x SFC1" - 6" - CP	8.687	6	2.28	4.54	1	1.81	2.09	M20	500	2.51
43.651.72.400B	SCAT40 x SFC1-1/4" - 4" - CP	6.687	4	2.28	2.62	1.25	1.81	2.09	M20	500	1.60

Features:

- High rigidity. ► T.I.R.: within 5 µ. ► Slim design. ► Easy operation.

Product information:

- We accept special order of the design with 6 threaded holes for balance with balancing screws.
- Balance: G2.5 25,000 rpm. 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	Preset Screw
	
P.W-56	P.W-82



SCAT / SFC SHRINK FIT CHUCK

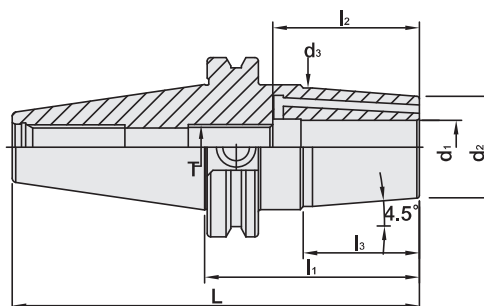
with CP coolant hole



SCAT / SFC 法蘭加厚型熱膨脹刀桿 [出水孔型]



T W PAT NO. M284478
J P PAT NO. 3134091
J P PAT NO. 3200356
T R PAT NO. TR 200703317 Y
D E PAT NO. Nr.202007006594.9
U S PAT NO. US75564618.2



INCHES

MODEL NO.	TYPE	L	l ₁	l ₂	l ₃	d ₁	d ₂	d ₃	T	TORQUE N.m min	WEIGHT (KGS)
44.651.53.354B	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
44.651.54.354B	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
44.651.55.354B	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
44.651.56.394B	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
44.651.58.394B	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
44.651.61.394B	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
44.651.64.413B	SCAT50 x SFC3/4" - 4.13" - CP	8.13	4.13	2.04	2.71	0.75	1.42	1.65	M16	320	3.52
44.651.64.600B	SCAT50 x SFC3/4" - 6" - CP	10	6	2.04	3.91	0.75	1.42	1.65	M16	320	4.03
44.651.68.413B	SCAT50 x SFC1" - 4.13" - CP	8.13	4.13	2.28	2.71	1	1.81	2.09	M20	500	3.81
44.651.68.600B	SCAT50 x SFC1" - 6" - CP	10	6	2.28	4.12	1	1.81	2.09	M20	500	4.56
44.651.72.413B	SCAT50 x SFC1-1/4" - 4.13" - CP	8.13	4.13	2.28	2.63	1.25	1.81	2.09	M20	500	3.68
44.651.72.472B	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
44.651.72.600B	SCAT50 x SFC1-1/4" - 6" - CP	10	6	2.28	4.12	1.25	1.81	2.09	M20	550	4.43

Features:

- High rigidity. ► T.I.R.: within 5 µ. ► Slim design. ► Easy operation.

Product information:

- We accept special order of the design with 6 threaded holes for balance with balancing screws.
- Balance: G2.5 25,000 rpm. 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	Preset Screw
	
P.W-56	P.W-82

SDAT / SFC SHRINK FIT CHUCK

with CP coolant hole

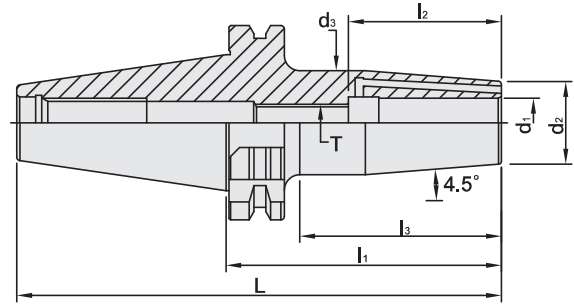
Dual
DRIVE+

4.5°

Coolant
hole

SDAT / SFC 法蘭加厚型熱膨脹刀桿 [出水孔型]

T W PAT NO. M284478
J P PAT NO. 3134091
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T R PAT NO. TR 200703317 Y
D E PAT NO. Nr.202007006594.9
U S PAT NO. US75564618.2



MODEL NO.	TYPE	L	l ₁	l ₂	l ₃	d ₁	d ₂	d ₃	T	TORQUE N.m min	WEIGHT (KGS)
66.651.06.080B	SDAT40 x SFC6 - 80 - CP	148.4	80	36	55.9	6	21	27	M5	18	1.03
66.651.06.130B	SDAT40 x SFC6 - 130 - CP	198.4	130	36	105.9	6	21	27	M5	18	1.25
66.651.06.160B	SDAT40 x SFC6 - 160 - CP	228.4	160	36	105.9	6	21	27	M5	18	1.38
66.651.06.200B	SDAT40 x SFC6 - 200 - CP	268.4	200	36	146	6	21	27	M5	18	1.56
66.651.08.080B	SDAT40 x SFC8 - 80 - CP	148.4	80	36	55.9	8	21	27	M6	35	0.93
66.651.08.130B	SDAT40 x SFC8 - 130 - CP	198.4	130	36	105.9	8	21	27	M6	35	1.24
66.651.08.160B	SDAT40 x SFC8 - 160 - CP	228.4	160	36	105.9	8	21	27	M6	35	1.37
66.651.08.200B	SDAT40 x SFC8 - 200 - CP	268.4	200	36	146	8	21	27	M6	35	1.55
66.651.10.080B	SDAT40 x SFC10 - 80 - CP	148.4	80	42	55.9	10	24	32	M8	65	1.21
66.651.10.130B	SDAT40 x SFC10 - 130 - CP	198.4	130	42	105.9	10	24	32	M8	65	1.52
66.651.10.160B	SDAT40 x SFC10 - 160 - CP	228.4	160	42	105.9	10	24	32	M8	65	1.65
66.651.10.200B	SDAT40 x SFC10 - 200 - CP	268.4	200	42	146	10	24	32	M8	65	1.83
66.651.12.080B	SDAT40 x SFC12 - 80 - CP	148.4	80	47	55.9	12	24	32	M10	110	1.01
66.651.12.130B	SDAT40 x SFC12 - 130 - CP	198.4	130	47	105.9	12	24	32	M10	110	1.50
66.651.12.160B	SDAT40 x SFC12 - 160 - CP	228.4	160	47	105.9	12	24	32	M10	110	1.45
66.651.12.200B	SDAT40 x SFC12 - 200 - CP	268.4	200	47	146	12	24	32	M10	110	1.81
66.651.14.080B	SDAT40 x SFC14 - 80 - CP	148.4	80	47	55.9	14	27	34	M10	150	0.89
66.651.14.130B	SDAT40 x SFC14 - 130 - CP	198.4	130	47	105.9	14	27	34	M10	150	1.38
66.651.14.160B	SDAT40 x SFC14 - 160 - CP	228.4	160	47	105.9	14	27	34	M10	150	1.33
66.651.14.200B	SDAT40 x SFC14 - 200 - CP	268.4	200	47	146	14	27	34	M10	150	1.93

Features:

- ▶ High rigidity. ▶ T.I.R.: within 5 μ. ▶ Slim design. ▶ Easy operation.

Product information:

- ▶ We accept special order of the design with 6 threaded holes for balance with balancing screws.
- ▶ Balance: G2.5 25,000 rpm. 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	Preset Screw
	
P.W-57	P.W-82



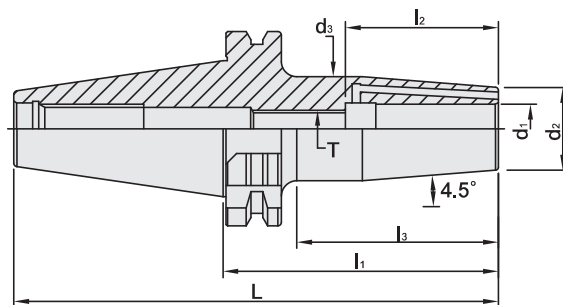
SDAT / SFC SHRINK FIT CHUCK

with CP coolant hole



SDAT / SFC 法蘭加厚型熱膨脹刀桿 [出水孔型]

T W PAT NO. M284478
J P PAT NO. 3134091
J P PAT NO. 3200356
T R PAT NO. TR 200703317 Y
D E PAT NO. Nr.202007006594.9
U S PAT NO. US75564618.2



MODEL NO.	TYPE	L	l ₁	l ₂	l ₃	d ₁	d ₂	d ₃	T	TORQUE N.m min	WEIGHT (KGS)
66.651.16.080B	SDAT40 x SFC16 - 80 - CP	148.4	80	50	55.8	16	27	34	M12	200	1.09
66.651.16.130B	SDAT40 x SFC16 - 130 - CP	198.4	130	50	105.9	16	27	34	M12	200	1.44
66.651.16.160B	SDAT40 x SFC16 - 160 - CP	228.4	160	50	105.9	16	27	34	M12	200	1.65
66.651.16.200B	SDAT40 x SFC16 - 200 - CP	268.4	200	50	146	16	27	34	M12	200	1.93
66.651.18.080B	SDAT40 x SFC18 - 80 - CP	148.4	80	50	57.9	18	33	42	M12	250	1.23
66.651.18.130B	SDAT40 x SFC18 - 130 - CP	198.4	130	50	107.9	18	33	42	M12	250	1.76
66.651.18.160B	SDAT40 x SFC18 - 160 - CP	228.4	160	50	107.9	18	33	42	M12	250	2.08
66.651.18.200B	SDAT40 x SFC18 - 200 - CP	268.4	200	50	147.9	18	33	42	M12	250	2.51
66.651.20.080B	SDAT40 x SFC20 - 80 - CP	148.4	80	52	57.9	20	33	42	M16	320	1.21
66.651.20.130B	SDAT40 x SFC20 - 130 - CP	198.4	130	52	107.9	20	33	42	M16	320	1.73
66.651.20.160B	SDAT40 x SFC20 - 160 - CP	228.4	160	52	107.9	20	33	42	M16	320	2.06
66.651.20.200B	SDAT40 x SFC20 - 200 - CP	268.4	200	52	147.9	20	33	42	M16	320	2.48
66.651.25.100B	SDAT40 x SFC25 - 100 - CP	168.4	80	58	80.9	25	44	53	M20	500	1.79
66.651.25.130B	SDAT40 x SFC25 - 130 - CP	198.4	130	58	110.9	25	44	53	M20	500	2.31
66.651.25.160B	SDAT40 x SFC25 - 160 - CP	228.4	160	58	140.9	25	44	53	M20	500	2.81
66.651.25.200B	SDAT40 x SFC25 - 200 - CP	268.4	200	58	180.9	25	44	53	M20	500	3.49
66.651.32.100B	SDAT40 x SFC32 - 100 - CP	168.4	100	58	80.9	32	44	53	M20	550	1.65

Features:

- ▶ High rigidity. ▶ T.I.R.: within 5 μ. ▶ Slim design. ▶ Easy operation.

Product information:

- ▶ We accept special order of the design with 6 threaded holes for balance with balancing screws.
- ▶ Balance: G2.5 25,000 rpm. 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	Preset Screw
	
P.W-57	P.W-82

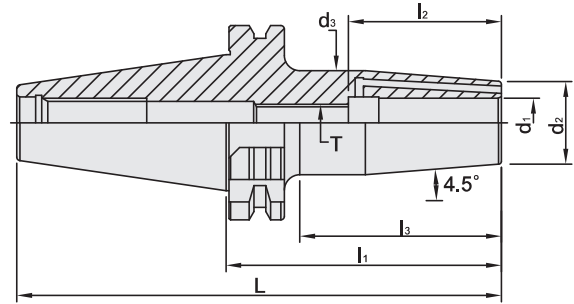
SDAT / SFC SHRINK FIT CHUCK

with CP coolant hole



SDAT / SFC 法蘭加厚型熱膨脹刀桿 [出水孔型]

T W PAT NO. M284478
J P PAT NO. 3134091
J P PAT NO. 3200356
T R PAT NO. TR 200703317 Y
D E PAT NO. Nr.202007006594.9
U S PAT NO. US75564618.2



MODEL NO.	TYPE	L	l ₁	l ₂	l ₃	d ₁	d ₂	d ₃	T	TORQUE N.m min	WEIGHT (KGS)
67.651.06.080B	SDAT50 x SFC6 - 80 - CP	181.75	80	36	50.9	6	21	27	M5	18	2.81
67.651.06.130B	SDAT50 x SFC6 - 130 - CP	231.75	130	36	100.9	6	21	27	M5	18	3.03
67.651.06.160B	SDAT50 x SFC6 - 160 - CP	261.75	160	36	100.9	6	21	27	M5	18	3.17
67.651.06.200B	SDAT50 x SFC6 - 200 - CP	301.75	200	36	141	6	21	27	M5	18	3.34
67.651.08.080B	SDAT50 x SFC8 - 80 - CP	181.75	80	36	50.9	8	21	27	M6	35	2.80
67.651.08.130B	SDAT50 x SFC8 - 130 - CP	231.75	130	36	100.9	8	21	27	M6	35	3.02
67.651.08.160B	SDAT50 x SFC8 - 160 - CP	261.75	160	36	100.9	8	21	27	M6	35	3.16
67.651.08.200B	SDAT50 x SFC8 - 200 - CP	301.75	200	36	141	8	21	27	M6	35	3.33
67.651.10.080B	SDAT50 x SFC10 - 80 - CP	181.75	80	42	50.9	10	24	32	M8	65	2.53
67.651.10.130B	SDAT50 x SFC10 - 130 - CP	231.75	130	42	100.9	10	24	32	M8	65	2.75
67.651.10.160B	SDAT50 x SFC10 - 160 - CP	261.75	160	42	100.9	10	24	32	M8	65	2.89
67.651.10.200B	SDAT50 x SFC10 - 200 - CP	301.75	200	42	141	10	24	32	M8	65	3.60
67.651.12.080B	SDAT50 x SFC12 - 80 - CP	181.75	80	47	50.9	12	24	32	M10	110	2.52
67.651.12.130B	SDAT50 x SFC12 - 130 - CP	231.75	130	47	100.9	12	24	32	M10	110	2.74
67.651.12.160B	SDAT50 x SFC12 - 160 - CP	261.75	160	47	100.9	12	24	32	M10	110	2.88
67.651.12.200B	SDAT50 x SFC12 - 200 - CP	301.75	200	47	141	12	24	32	M10	110	3.59
67.651.14.080B	SDAT50 x SFC14 - 80 - CP	181.75	80	47	50.9	14	27	34	M10	150	2.38
67.651.14.130B	SDAT50 x SFC14 - 130 - CP	231.75	130	47	100.9	14	27	34	M10	150	2.60
67.651.14.160B	SDAT50 x SFC14 - 160 - CP	261.75	160	47	100.9	14	27	34	M10	150	2.74
67.651.14.200B	SDAT50 x SFC14 - 200 - CP	301.75	200	47	141	14	27	34	M10	150	3.73

Features:

- High rigidity. ► T.I.R.: within 5 μ . ► Slim design. ► Easy operation.

Product information:

- We accept special order of the design with 6 threaded holes for balance with balancing screws.
- Balance: G2.5 25,000 rpm. 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	Preset Screw
	
P.W-57	P.W-82



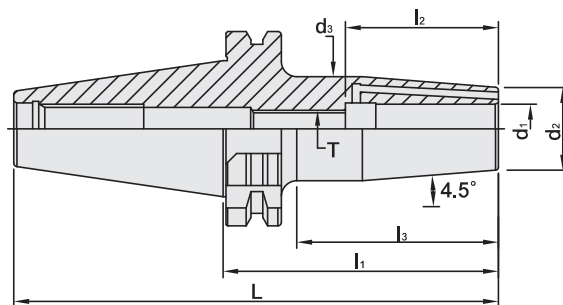
SDAT / SFC SHRINK FIT CHUCK

with CP coolant hole



SDAT / SFC 法蘭加厚型熱膨脹刀桿 [出水孔型]

T W PAT NO. M284478
J P PAT NO. 3134091
J P PAT NO. 3200356
T R PAT NO. TR 200703317 Y
D E PAT NO. Nr.202007006594.9
U S PAT NO. US75564618.2



MODEL NO.	TYPE	L	l ₁	l ₂	l ₃	d ₁	d ₂	d ₃	T	TORQUE N.m min	WEIGHT (KGS)
67.651.16.080B	SDAT50 x SFC16 - 80 - CP	181.75	80	50	50.9	16	27	34	M12	200	2.87
67.651.16.130B	SDAT50 x SFC16 - 130 - CP	231.75	130	50	100.9	16	27	34	M12	200	3.22
67.651.16.160B	SDAT50 x SFC16 - 160 - CP	261.75	160	50	100.9	16	27	34	M12	200	3.43
67.651.16.200B	SDAT50 x SFC16 - 200 - CP	301.75	200	50	141	16	27	34	M12	200	3.71
67.651.18.080B	SDAT50 x SFC18 - 80 - CP	181.75	80	50	57.9	18	33	42	M12	250	2.99
67.651.18.130B	SDAT50 x SFC18 - 130 - CP	231.75	130	50	100.9	18	33	42	M12	250	3.55
67.651.18.160B	SDAT50 x SFC18 - 160 - CP	261.75	160	50	100.9	18	33	42	M12	250	3.87
67.651.18.200B	SDAT50 x SFC18 - 200 - CP	301.75	200	50	141	18	33	42	M12	250	4.30
67.651.20.080B	SDAT50 x SFC20 - 80 - CP	181.75	80	52	57.9	20	33	42	M16	320	2.91
67.651.20.130B	SDAT50 x SFC20 - 130 - CP	231.75	130	52	100.9	20	33	42	M16	320	3.25
67.651.20.160B	SDAT50 x SFC20 - 160 - CP	261.75	160	52	100.9	20	33	42	M16	320	3.57
67.651.20.200B	SDAT50 x SFC20 - 200 - CP	301.75	200	52	141	20	33	42	M16	320	4.27
67.651.25.100B	SDAT50 x SFC25 - 100 - CP	201.75	100	58	70.9	25	44	53	M20	500	3.59
67.651.25.130B	SDAT50 x SFC25 - 130 - CP	231.75	130	58	100.9	25	44	53	M20	500	4.10
67.651.25.160B	SDAT50 x SFC25 - 160 - CP	261.75	160	58	100.9	25	44	53	M20	500	4.61
67.651.25.200B	SDAT50 x SFC25 - 200 - CP	301.75	200	58	141	25	44	53	M20	500	5.29
67.651.32.100B	SDAT50 x SFC32 - 100 - CP	201.75	100	58	70.9	32	44	53	M20	550	3.45

Features:

- High rigidity. ► T.I.R.: within 5 μ . ► Slim design. ► Easy operation.

Product information:

- We accept special order of the design with 6 threaded holes for balance with balancing screws.
- Balance: G2.5 25,000 rpm. 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	Preset Screw
	
P.W-57	P.W-82

HSK / SFC SHRINK FIT CHUCK

with CP coolant hole

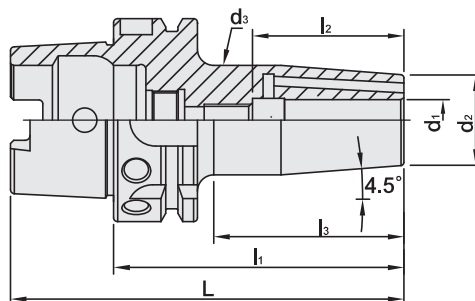


HSK / SFC 熱膨脹刀桿 [出水孔型]

[DIN 69893-1]



T W PAT NO. M284478
J P PAT NO. 3134091
J P PAT NO. 3200356
T R PAT NO. TR 200703317 Y
D E PAT NO. Nr.202007006594.9
U S PAT NO. US75564618.2



MODEL NO.	TYPE	L	l ₁	l ₂	l ₃	d ₁	d ₂	d ₃	T	TORQUE N.m min	WEIGHT (KGS)
39088B	HSK40A x SFC6 - 80 - CP	100	80	36	57	6	21	27	M5	18	0.41
39090B	HSK40A x SFC8 - 80 - CP	100	80	36	57	8	21	27	M6	35	0.40
39092B	HSK40A x SFC10 - 85 - CP	105	85	42	64	10	24	32	M8	65	0.49
39094B	HSK40A x SFC12 - 90 - CP	110	90	47	69	12	24	32	M10	110	0.50
39096B	HSK40A x SFC14 - 90 - CP	110	90	47	69	14	27	34	M10	150	0.56
39098B	HSK40A x SFC16 - 90 - CP	110	90	47	69	16	27	34	M12	200	0.53
39106B	HSK50A x SFC6 - 80 - CP	105	80	36	49	6	21	27	M5	18	0.58
39108B	HSK50A x SFC8 - 80 - CP	105	80	36	49	8	21	27	M6	35	0.57
39110B	HSK50A x SFC10 - 85 - CP	110	85	42	54	10	24	32	M8	65	0.65
39112B	HSK50A x SFC12 - 90 - CP	115	90	47	59	12	24	32	M10	110	0.66
39114B	HSK50A x SFC14 - 90 - CP	115	90	47	59	14	24	32	M10	150	0.65
39116B	HSK50A x SFC16 - 95 - CP	120	95	50	64	16	27	34	M12	200	0.72
39118B	HSK50A x SFC18 - 95 - CP	120	95	52	67	18	33	42	M12	250	0.89
39120B	HSK50A x SFC20 - 100 - CP	125	100	52	73	20	33	42	M16	320	0.90
39122B	HSK50A x SFC25 - 115 - CP	140	115	47	88	20	44	53	M20	550	1.39

Features:

- ▶ High rigidity. ▶ T.I.R.: within 5 μ. ▶ Slim design. ▶ Easy operation.

Product information:

- ▶ We accept special order of the design with 6 threaded holes for balance with balancing screws.
- ▶ Balance: G2.5 25,000 rpm. 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	Preset Screw	Key For Coolant Supply Unit
		
P.W-60	P.W-82	P.W-60



HSK / SFC SHRINK FIT CHUCK

with CP coolant hole

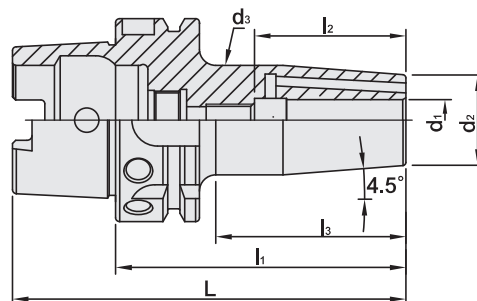


HSK / SFC 熱膨脹刀桿 [出水孔型]

(DIN 69893-1)



T W PAT NO. M284478
J P PAT NO. 3134091
J P PAT NO. 3200356
T R PAT NO. TR 200703317 Y
D E PAT NO. Nr.202007006594.9
U S PAT NO. US75564618.2



MODEL NO.	TYPE	L	l ₁	l ₂	l ₃	d ₁	d ₂	d ₃	T	TORQUE N.m min	WEIGHT (KGS)
39136B	HSK63A x SFC6 - 80 - CP	112	80	36	51	6	21	27	M5	18	0.83
39138B	HSK63A x SFC8 - 80 - CP	112	80	36	51	8	21	27	M6	35	0.83
39140B	HSK63A x SFC10 - 85 - CP	117	85	42	54	10	24	32	M8	65	0.91
39142B	HSK63A x SFC12 - 90 - CP	122	90	47	59	12	24	32	M10	110	0.92
39144B	HSK63A x SFC14 - 90 - CP	122	90	47	59	14	27	34	M10	150	0.97
39146B	HSK63A x SFC16 - 95 - CP	127	95	50	64	16	27	34	M12	200	0.98
39148B	HSK63A x SFC18 - 95 - CP	127	95	50	64	18	33	42	M12	250	1.15
39157B	HSK63A x SFC19 - 100 - CP	132	100	60	69	19	33	42	-	320	1.14
39150B	HSK63A x SFC20 - 100 - CP	132	100	52	69	20	33	42	M16	320	1.17
39158B	HSK63A x SFC24 - 115 - CP	147	115	72	88.6	24	44	53	-	500	1.69
39152B	HSK63A x SFC25 - 115 - CP	147	115	58	88	25	44	53	M20	500	1.74
39154B	HSK63A x SFC32 - 120 - CP	152	120	58	93	32	44	53	M20	550	1.67
39183B	HSK100A x SFC6 - 85 - CP	135	85	36	46	6	21	27	M5	18	2.21
39184B	HSK100A x SFC8 - 85 - CP	135	85	36	46	8	21	27	M6	35	2.20
39185B	HSK100A x SFC10 - 90 - CP	140	90	42	51	10	24	32	M8	65	2.28
39186B	HSK100A x SFC12 - 95 - CP	145	95	47	56	12	24	32	M10	110	2.30
39188B	HSK100A x SFC14 - 95 - CP	145	95	47	56	14	27	34	M10	150	2.35
39190B	HSK100A x SFC16 - 100 - CP	150	100	50	61	16	27	34	M12	200	2.36
39192B	HSK100A x SFC18 - 100 - CP	150	100	50	66	18	33	42	M12	250	2.52
39193B	HSK100A x SFC19 - 105 - CP	155	105	60	71	19	33	42	-	320	2.48
39194B	HSK100A x SFC20 - 105 - CP	155	105	52	71	20	33	42	M16	320	2.53
39195B	HSK100A x SFC24 - 115 - CP	165	115	72	81	24	44	53	-	500	2.97
39196B	HSK100A x SFC25 - 115 - CP	165	115	58	81	25	44	53	M20	500	3.04
39198B	HSK100A x SFC32 - 120 - CP	170	120	58	86	32	44	53	M20	550	2.98

Features:

- ▶ High rigidity. ▶ T.I.R.: within 5 μ. ▶ Slim design. ▶ Easy operation.

Product information:

- ▶ We accept special order of the design with 6 threaded holes for balance with balancing screws.
- ▶ Balance: G2.5 25,000 rpm. 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	Preset Screw	Key For Coolant Supply Unit
P.W-60	P.W-82	P.W-60

HSK / SFC SHRINK FIT CHUCK

with CP coolant hole



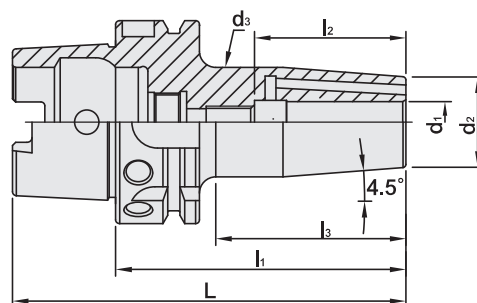
HSK / SFC 熱膨脹刀桿 [出水孔型]

[DIN 69893-1]



T W PAT NO. M284478
J P PAT NO. 3134091
J P PAT NO. 3200356
T R PAT NO. TR 200703317 Y
D E PAT NO. Nr.202007006594.9
U S PAT NO. US75564618.2

INCHES



MODEL NO.	TYPE	L	l ₁	l ₂	l ₃	d ₁	d ₂	d ₃	T	TORQUE N.m min	WEIGHT (KGS)
39004B	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
39006B	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
39008B	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
39010B	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
39018B	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
39020B	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
39022B	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
39024B	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
39025B	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
39026B	HSK50A x SFC 3/4" - 3.94" - CP	4.93	3.94	2.04	2.89	0.75	1.42	1.65	M16	320	0.91
39032B	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
39034B	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
39036B	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
39038B	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
39039B	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
39040B	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
39042B	HSK63A x SFC 1" - 3.94" - CP	5.2	3.94	2.28	2.71	1	1.42	1.65	M20	500	1.12
39306B	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
39308B	HSK100A x SFC 5/16" - 3.35" - CP	5.51	3.35	1.42	2	0.3125	0.79	1.06	M6	18	2.17
39310B	HSK100A x SFC 3/8" - 3.54" - CP	5.51	3.54	1.89	2.2	0.375	0.94	1.26	M8	35	2.27
39314B	HSK100A x SFC 1/2" - 3.74" - CP	5.71	3.74	2.04	2.4	0.5	1.1	1.34	M10	65	2.36
39318B	HSK100A x SFC 5/8" - 3.94" - CP	5.91	3.94	2.16	2.4	0.625	1.06	1.34	-	110	2.34
39320B	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
39324B	HSK100A x SFC 1" - 4.53" - CP	6.5	4.53	2.28	2.99	1	1.81	2.09	M20	500	3.13
39326B	HSK100A x SFC 1-1/4" - 4.72" - CP	6.69	4.72	2.28	3.18	1.25	2.09	1.81	M20	550	3.07

Features:

- ▶ High rigidity. ▶ T.I.R.: within 5 μ. ▶ Slim design. ▶ Easy operation.

Product information:

- ▶ We accept special order of the design with 6 threaded holes for balance with balancing screws.
- ▶ Balance: G2.5 25,000 rpm. 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	Preset Screw	Key For Coolant Supply Unit
P.W-60	P.W-82	P.W-60



PSC / SFC SHRINK FIT CHUCK

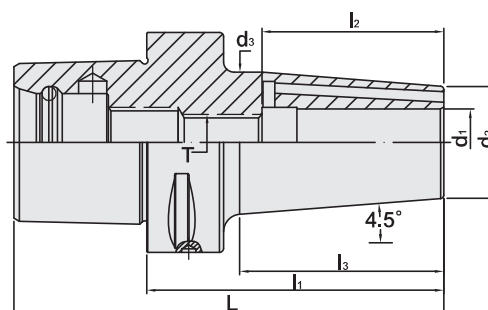
with CP coolant hole



PSC / SFC 熱膨脹刀桿 [出水孔型]



T W PAT NO. M284478
J P PAT NO. 3134091
J P PAT NO. 3200356
T R PAT NO. TR 200703317 Y
D E PAT NO. Nr.202007006594.9
U S PAT NO. US75564618.2



MODEL NO.	TYPE	L	l ₁	l ₂	l ₃	d ₁	d ₂	d ₃	T	WEIGHT (KGS)
140.651.06.060B	PSC32 x SFC6 - 60 - CP	79	60	36	40	6	12	18	M5	0.17
140.651.08.107B	PSC32 x SFC8 - 107 - CP	126	107	36	61	8	20	26	M6	0.43
140.651.10.095B	PSC32 x SFC10 - 95 - CP	114	95	42	81	10	24	32	M8	0.50
140.651.12.084B	PSC32 x SFC12 - 84 - CP	103	84	47	69	12	24	32	M10	0.41
141.651.06.075B	PSC40 x SFC6 - 75 - CP	99	75	36	53	6	20	26	M5	0.40
141.651.08.075B	PSC40 x SFC8 - 75 - CP	99	75	36	53	8	20	26	M6	0.40
141.651.10.075B	PSC40 x SFC10 - 75 - CP	99	75	42	54	10	24	32	M8	0.50
141.651.12.075B	PSC40 x SFC12 - 75 - CP	99	75	47	54	12	24	32	M10	0.50
141.651.14.080B	PSC40 x SFC14 - 80 - CP	104	80	47	59	14	27	34	M10	0.60
141.651.16.080B	PSC40 x SFC16 - 80 - CP	104	80	50	59	16	27	34	M12	0.50
141.651.18.080B	PSC40 x SFC18 - 80 - CP	104	80	52	59	18	33	42	M12	0.70
141.651.20.085B	PSC40 x SFC20 - 85 - CP	109	85	52	64	20	33	42	M16	0.70
142.651.06.075B	PSC50 x SFC6 - 75 - CP	105	75	36	53	6	20	26	M5	0.60
142.651.08.075B	PSC50 x SFC8 - 75 - CP	105	75	36	53	8	20	26	M6	0.60
142.651.10.075B	PSC50 x SFC10 - 75 - CP	105	75	42	54	10	24	32	M8	0.70
142.651.12.075B	PSC50 x SFC12 - 75 - CP	105	75	47	59	12	24	32	M10	0.60
142.651.14.080B	PSC50 x SFC14 - 80 - CP	110	80	47	59	14	27	34	M10	0.70
142.651.16.080B	PSC50 x SFC16 - 80 - CP	110	80	50	59	16	27	34	M12	0.70
142.651.18.080B	PSC50 x SFC18 - 80 - CP	110	80	52	59	18	33	42	M12	0.80
142.651.20.085B	PSC50 x SFC20 - 85 - CP	115	85	52	64	20	33	42	M16	0.90
142.651.25.090B	PSC50 x SFC25 - 90 - CP	120	90	58	68	25	44	53	M20	1.20

Features:

- ▶ High rigidity. ▶ T.I.R.: within 5 μ. ▶ Slim design. ▶ Easy operation.

Product information:

- ▶ We accept special order of the design with 6 threaded holes for balance with balancing screws.
- ▶ Balance: G2.5 25,000 rpm. 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	Coolant Supply unit
	
P.W-82	P.W-60

PSC / SFC SHRINK FIT CHUCK

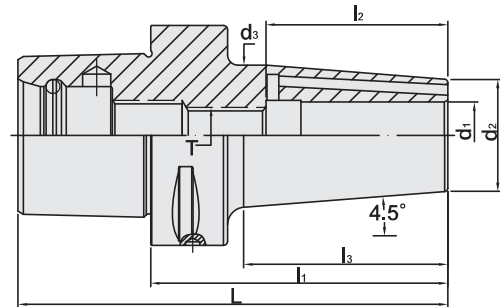
with CP coolant hole



PSC / SFC 熱膨脹刀桿 [出水孔型]



T W PAT NO. M284478
J P PAT NO. 3134091
J P PAT NO. 3200356
T R PAT NO. TR 200703317 Y
D E PAT NO. Nr.202007006594.9
U S PAT NO. US75564618.2



MODEL NO.	TYPE	L	l ₁	l ₂	l ₃	d ₁	d ₂	d ₃	T	WEIGHT (KGS)
143.651.06.080B	PSC63 x SFC6 - 80 - CP	118	80	36	53	6	20	26	M5	1.00
143.651.08.080B	PSC63 x SFC8 - 80 - CP	118	80	36	53	8	20	26	M6	0.90
143.651.10.080B	PSC63 x SFC10 - 80 - CP	118	80	42	53	10	24	32	M8	1.00
143.651.12.080B	PSC63 x SFC12 - 80 - CP	118	80	47	56	12	24	32	M10	1.00
143.651.14.085B	PSC63 x SFC14 - 85 - CP	123	85	47	58	14	27	34	M10	1.10
143.651.16.085B	PSC63 x SFC16 - 85 - CP	123	85	50	58	16	27	34	M12	1.10
143.651.18.085B	PSC63 x SFC18 - 85 - CP	123	85	52	58	18	33	42	M12	1.30
143.651.20.085B	PSC63 x SFC20 - 85 - CP	123	85	52	58	20	33	42	M16	1.20
143.651.25.090B	PSC63 x SFC25 - 90 - CP	128	90	58	66	25	44	53	M20	1.50
143.651.32.095B	PSC63 x SFC32 - 95 - CP	133	95	58	71	32	44	53	M20	1.50
144.651.10.090B	PSC80 x SFC10 - 90 - CP	138	90	42	55	10	24	32	M8	1.96
144.651.12.090B	PSC80 x SFC12 - 90 - CP	138	90	47	55	12	24	32	M10	1.94
144.651.16.095B	PSC80 x SFC16 - 95 - CP	143	95	50	60	16	27	34	M12	1.99
144.651.20.095B	PSC80 x SFC20 - 95 - CP	143	95	52	60	20	33	42	M16	2.10
144.651.25.100B	PSC80 x SFC25 - 100 - CP	148	100	58	65	25	44	53	M20	2.37

Features:

- ▶ High rigidity. ▶ T.I.R.: within 5 μ . ▶ Slim design. ▶ Easy operation.

Product information:

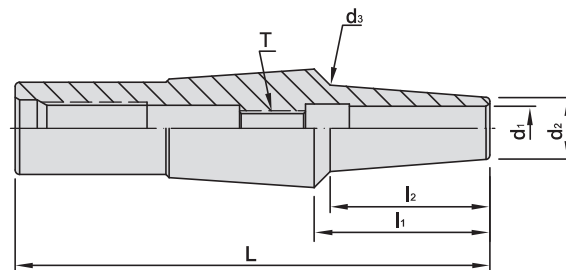
- ▶ We accept special order of the design with 6 threaded holes for balance with balancing screws.
- ▶ Balance: G2.5 25,000 rpm. Higher balancing grade and revolution can be done upon request but additional charge is needed.
- ▶ For tool shank with h6 tolerance, such as Form HA to DIN6535 and Form A to DIN 1835-1, except that the internal hole of Shrink Fit Chuck is less than 6mm.

Preset Screw	Coolant Supply unit
	
P.W-82	P.W-60



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)
86308	SLF12 x C3 - 38	93	38	35.8	3	8	13.6	-	0.15
86310	SLF12 x C4 - 38	93	38	35.8	4	8	13.6	-	0.16
86312	SLF12 x C5 - 38	93	38	36.3	5	9	14.7	M4 x 0.7P	0.16
86314	SLF12 x C6 - 38	93	38	36.9	6	10	15.8	M5 x 0.8P	0.18
86316	SLF12 x C8 - 38	93	38	37.9	8	12	17.9	M6 x 1.0P	0.18
86318	SLF12 x C10 - 38	93	38	25.4	10	14	18	M8 x 1.25P	0.18
86322	SLF20 x C3 - 40	108	40	33.1	3	8	13.2	-	0.16
86324	SLF20 x C4 - 40	108	40	33.1	4	8	13.2	-	0.18
86326	SLF20 x C5 - 40	108	40	33.6	5	9	14.29	M4 x 0.7P	0.18
86328	SLF20 x C6 - 40	108	40	34.1	6	10	15.3	M8 x 1.25P	0.18
86330	SLF20 x C8 - 40	108	40	35.2	8	12	17.5	M8 x 1.25P	0.18
86332	SLF20 x C10 - 40	108	40	36.3	10	14	19.7	M8 x 1.25P	0.20
86334	SLF20 x C12 - 40	108	40	37.4	12	16	21.8	M10 x 1.5P	0.20
86336	SLF20 x C14 - 40	108	40	38.5	14	18	24.1	M10 x 1.5P	0.21
86338	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): 5μ. ► Slim design. ► Easy operation.
- Used for SBL collet chucks.

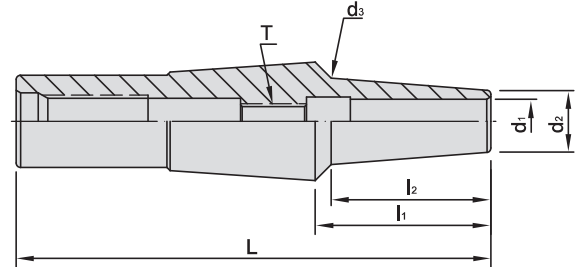
Preset Screw



P.W-82

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)
86352	SLF12 x C1/8" - 1.496"	3.661	1.496	1.41	0.125	0.315	0.536	-	0.16
86354	SLF12 x C3/16" - 1.496"	3.661	1.496	1.41	0.1875	0.315	0.536	-	0.16
86356	SLF12 x C1/4" - 1.496"	3.661	1.496	1.453	0.25	0.394	0.622	M8 x 1.25P	0.18
86358	SLF12 x C5/16" - 1.496"	3.661	1.496	1.495	0.3125	0.472	0.708	M8 x 1.25P	0.18
86360	SLF12 x C3/8" - 1.496"	3.661	1.496	1.41	0.375	0.551	0.708	M8 x 1.25P	0.18
86372	SLF20 x C1/8" - 1.575"	4.252	1.575	1.303	0.125	0.315	0.52	-	0.16
86374	SLF20 x C3/16" - 1.575"	4.252	1.575	1.303	0.1875	0.315	0.52	-	0.18
86376	SLF20 x C1/4" - 1.575"	4.252	1.575	1.346	0.25	0.394	0.605	M8 x 1.25P	0.18
86378	SLF20 x C5/16" - 1.575"	4.252	1.575	1.388	0.3125	0.472	0.691	M8 x 1.25P	0.18
86380	SLF20 x C3/8" - 1.575"	4.252	1.575	1.392	0.375	0.551	0.776	M8 x 1.25P	0.18
86382	SLF20 x C1/2" - 1.575"	4.252	1.575	1.474	0.5	0.63	0.861	M10 x 1.5P	0.20
86384	SLF20 x C5/8" - 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): 5μ. ▶ Slim design. ▶ Easy operation.
- ▶ Used for SBL collet chucks.

Preset Screw



P.W-82

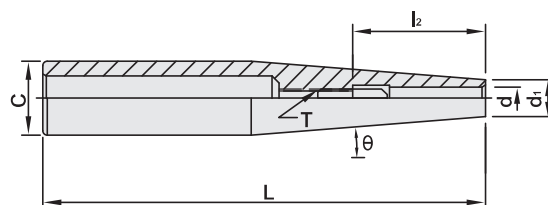


SFC SHRINK FIT CHUCK

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)
86001	C 10 x SFC3 - 120	10	120	20	3	9	-	4.5°	0.12
86002	C 10 x SFC4 - 120	10	120	20	4	10	-	4.5°	0.12
86003	C 10 x SFC5 - 120	10	120	20	5	10	M4 x 0.7P	4.5°	0.12
86006	C 12 x SFC3 - 120	12	120	20	3	9	-	4.5°	0.12
86007	C 12 x SFC4 - 120	12	120	20	4	10	-	4.5°	0.12
86008	C 12 x SFC5 - 120	12	120	20	5	11	M4 x 0.7P	4.5°	0.12
86009	C 12 x SFC6 - 120	12	120	36	6	12	M5 x 0.8P	4.5°	0.12
86012	C 16 x SFC3 - 120	16	120	20	3	9	M6 x 1.0P	4.5°	0.12
86014	C 16 x SFC4 - 120	16	120	20	4	10	M6 x 1.0P	4.5°	0.12
86016	C 16 x SFC5 - 120	16	120	20	5	11	M6 x 1.0P	4.5°	0.12
86018	C 16 x SFC6 - 120	16	120	36	6	12	M5 x 0.8P	4.5°	0.12
86020	C 16 x SFC8 - 120	16	120	36	8	14	M8 x 1.25P	4.5°	0.13
86022	C 16 x SFC10 - 120	16	120	42	10	16	M8 x 1.25P	4.5°	0.12
86024	C 16 x SFC12 - 120	16	120	47	12	16	M10 x 1.5P	4.5°	0.16
86026	C 20 x SFC3 - 120	20	120	20	3	9	-	4.5°	0.16
86028	C 20 x SFC4 - 120	20	120	20	4	10	-	4.5°	0.17
86030	C 20 x SFC5 - 120	20	120	20	5	11	M6 x 1.0P	4.5°	0.17
86032	C 20 x SFC6 - 120	20	120	36	6	12	M5 x 0.8P	4.5°	0.17
86034	C 20 x SFC8 - 120	20	120	36	8	14	M6 x 1.0P	4.5°	0.19
86036	C 20 x SFC10 - 120	20	120	42	10	16	M8 x 1.25P	4.5°	0.20
86038	C 20 x SFC12 - 120	20	120	47	12	18	M10 x 1.5P	4.5°	0.20
86040	C 20 x SFC14 - 120	20	120	47	14	20	M12 x 1.75P	4.5°	0.29
86042	C 20 x SFC16 - 120	20	120	47	16	20	M12 x 1.75P	4.5°	0.30
86046	C 32 x SFC6 - 120	32	120	36	6	12	M5 x 0.8P	4.5°	0.26
86047	C 32 x SFC8 - 120	32	120	36	8	14	M6 x 1.0P	4.5°	0.28
86048	C 32 x SFC10 - 120	32	120	42	10	16	M8 x 1.25P	4.5°	0.30
86049	C 32 x SFC12 - 120	32	120	47	12	18	M10 x 1.5P	4.5°	0.32
86051	C 32 x SFC16 - 120	32	120	50	16	20	M12 x 1.75P	4.5°	0.34

Features:

► High rigidity. ► Best runout (T.I.R): 5μ. ► Slim design. ► Easy operation.

Preset Screw

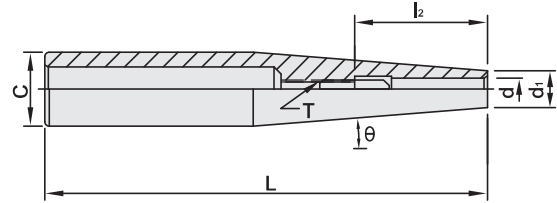
P.W-82

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)
86161	C16 x SFC4 - 150	16	150	20	4	10	-	3°	0.18
86162	C16 x SFC6 - 150	16	150	36	6	12	M5 x 0.8P	3°	0.18
86164	C16 x SFC8 - 150	16	150	36	8	14	M6 x 1.0P	3°	0.18
86168	C20 x SFC6 - 150	20	150	36	6	12	-	3°	0.25
86170	C20 x SFC8 - 150	20	150	36	8	14	-	3°	0.26
86172	C20 x SFC10 - 150	20	150	42	10	16	-	3°	0.24
86178	C25 x SFC6 - 250	25	250	36	6	12	-	3°	0.64
86180	C25 x SFC8 - 250	25	250	36	8	14	-	3°	0.66
86182	C25 x SFC10 - 250	25	250	42	10	16	-	3°	0.64
86184	C25 x SFC12 - 250	25	250	47	12	18	-	3°	0.62

Features:

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

Preset Screw



P.W-82

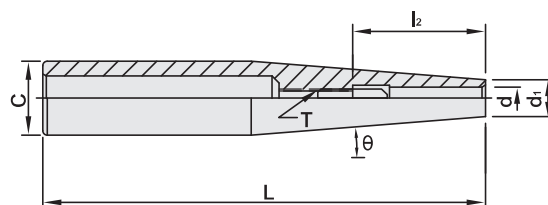


SFC SHRINK FIT CHUCK

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)
86061	C5/8" x SFC3mm - 6.3"	0.625	6.3	0.79	3mm	0.394	-	4.5°	0.18
86062	C5/8" x SFC1/8" - 6.3"	0.625	6.3	0.79	0.125	0.394	-	4.5°	0.18
86064	C5/8" x SFC3/16" - 6.3"	0.625	6.3	0.79	0.1875	0.394	-	4.5°	0.20
86066	C5/8" x SFC1/4" - 6.3"	0.625	6.3	0.79	0.25	0.375	-	4.5°	0.24
86068	C5/8" x SFC5/16" - 6.3"	0.625	6.3	1.417	0.3125	0.472	M6 x 1.0P	4.5°	0.25
86076	C3/4" x SFC1/4" - 6.3"	0.75	6.3	1.417	0.25	0.551	M6 x 1.0P	4.5°	0.25
86080	C3/4" x SFC3/8" - 6.3"	0.75	6.3	1.654	0.375	0.551	M8 x 1.25P	4.5°	0.25
86090	C1" x SFC3/8" - 6.3"	1	6.3	1.654	0.375	0.787	M8 x 1.25P	4.5°	0.25
86092	C1" x SFC1/2" - 6.3"	1	6.3	1.850	0.5	0.787	M10 x 1.5P	4.5°	0.25
86094	C1" x SFC5/8" - 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): 5μ. ► Slim design. ► Easy operation.

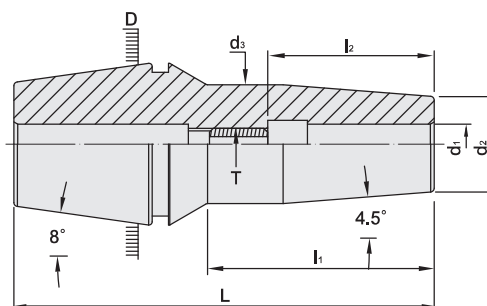
Preset Screw

P.W-82

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)
09270	ER20 SFE3 - 40	71.5	40	18	20	3	8	14	-	0.16
09271	ER20 SFE3 - 60	91.5	60	18	20	3	8	14	-	0.19
09270 - 4	ER20 SFE4 - 40	71.5	40	20	20	4	8	14	-	0.16
09271 - 4	ER20 SFE4 - 60	91.7	60	20	20	4	8	14	-	0.19
09270 - 5	ER20 SFE5 - 40	71.5	40	20	20	5	9	15	M4 x 0.7P	0.16
09271 - 5	ER20 SFE5 - 60	91.7	60	20	20	5	9	15	M4 x 0.7P	0.19
09270 - 6	ER20 SFE6 - 40	71.5	40	36	20	6	10	15	M5 x 0.8P	0.16
09271 - 6	ER20 SFE6 - 60	91.7	60	36	20	6	10	15	M5 x 0.8P	0.19
09275	ER25 SFE3 - 40	74	40	18	25	3	8	14	-	0.15
09276	ER25 SFE3 - 60	94	60	18	25	3	8	14	-	0.18
09275 - 4	ER25 SFE4 - 40	74	40	20	25	4	8	14	-	0.15
09276 - 4	ER25 SFE4 - 60	94	60	20	25	4	8	14	-	0.18
09275 - 5	ER25 SFE5 - 40	74	40	20	25	5	9	15	M4 x 0.7P	0.15
09276 - 5	ER25 SFE5 - 60	94	60	20	25	5	9	15	M4 x 0.7P	0.18
09275 - 6	ER25 SFE6 - 40	74	40	36	25	6	10	16	M5 x 0.8P	0.15
09276 - 6	ER25 SFE6 - 60	94	60	36	25	6	10	16	M5 x 0.8P	0.18

Features:

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

Preset Screw



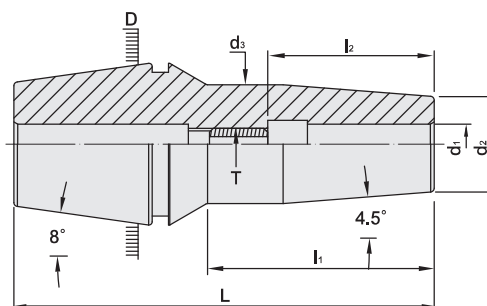
P.W-82



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)
09282	ER32 SFE3 - 40	80	40	18	32	3	8	14	-	0.15
09283	ER32 SFE3 - 60	100	60	18	32	3	8	14	-	0.18
09284	ER32 SFE3 - 90	130	90	20	32	3	8	14	-	0.21
09282 - 4	ER32 SFE4 - 40	80	40	20	32	4	8	14	-	0.15
09283 - 4	ER32 SFE4 - 60	100	60	20	32	4	8	14	-	0.18
09284 - 4	ER32 SFE4 - 90	130	90	20	32	4	8	14	-	0.21
09282 - 5	ER32 SFE5 - 40	80	40	20	32	5	9	15	M4 x 0.7P	0.15
09283 - 5	ER32 SFE5 - 60	100	60	20	32	5	9	15	M4 x 0.7P	0.18
09284 - 5	ER32 SFE5 - 90	130	90	20	32	5	9	15	M4 x 0.7P	0.21
09282 - 6	ER32 SFE6 - 40	80	40	36	32	6	10	16	M5 x 0.8P	0.15
09283 - 6	ER32 SFE6 - 60	100	60	36	32	6	10	16	M5 x 0.8P	0.18
09284 - 6	ER32 SFE6 - 90	130	90	36	32	6	10	16	M5 x 0.8P	0.21
09282 - 8	ER32 SFE8 - 40	80	40	36	32	8	12	18	M6 x 1.0P	0.15
09283 - 8	ER32 SFE8 - 60	100	60	36	32	8	12	18	M6 x 1.0P	0.18
09284 - 8	ER32 SFE8 - 90	130	90	36	32	8	12	18	M6 x 1.0P	0.21
09282 - 10	ER32 SFE10 - 40	80	40	42	32	10	14	20	M8 x 1.25P	0.15
09283 - 10	ER32 SFE10 - 60	100	60	42	32	10	14	20	M8 x 1.25P	0.18
09284 - 10	ER32 SFE10 - 90	130	90	42	32	10	14	20	M8 x 1.25P	0.21
09282 - 12	ER32 SFE12 - 40	80	40	47	32	12	16	20	M10 x 1.5P	0.15
09283 - 12	ER32 SFE12 - 60	100	60	47	32	12	16	20	M10 x 1.5P	0.18
09284 - 12	ER32 SFE12 - 90	130	90	47	32	12	16	20	M10 x 1.5P	0.21

Features:

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

Preset Screw

P.W-82

Cleaning



Wipe the chuck body carefully to maintain good precision.

Operation Instructions of SFC Shrink Fit Chuck

Measurement



1. The actual ID of Shrink Fit chuck is marked on the flange of the chuck.



2. Measure the tolerance of tool shank and make sure the tolerance is correspondent with "Permissible tolerance for SYIC Shrink Fit chucks."

Heating



1. Put Shrink Fit chuck on the Shrink Fit machine.



2. Select the ID of the Shrink Fit chuck in the Shrink Fit machine.



3. Press heat button for heating.



4. Insert the cutter in the Shrink Fit chuck and after cooling, it's finished.