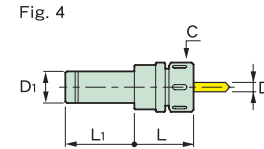
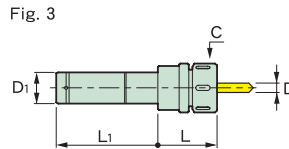
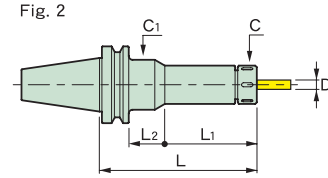
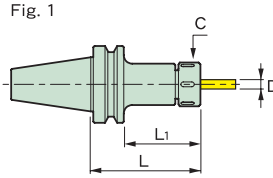


COLLET HOLDER(CTA)



CODE	Fig.	ϕD	L	ϕC	L ₁	L ₂	ϕC_1	 Kg
BT30-CTA10- 45	1	2.4~10	45	36	23	—	—	0.5
- 75			75		53			0.7
-105			105		83			0.9
-CTA20- 60		5.8~20	60	50	38			0.6
- 90			90		68			0.9
BT40-CTA10- 60	1	2.4~10	60	36	33	—	—	1.1
- 90			90		63			1.3
-120			120		93			1.5
-150			150		123			1.7
-180			180		153			1.9
-210			210		155	28	44	2.1
-CTA20- 60	1	5.8~20	60	50	33			1.1
- 90			90		63			1.4
-120			120		93			1.7
-150			150		123			2.1
-180			180		153			2.5
-210			210		183			2.9
-CTA25- 75		5.8~25	75	62	48	—	—	1.2
-105			105		78			1.6
-135			135		108			2.0
-CTA32-105		24.8~32	105	74	78			1.8
BT50-CTA10-105	1	2.4~10	105	36	67	—	—	3.8
-135			135		97			3.9
-165			165		127			4.0
-195			195		157			4.2
-255		—	255		155	62	55	4.9
-315			315		—	122		5.8
-CTA20-105	1	5.8~20	105	50	67	—	—	4.0
-135			135		97			4.4
-165			165		127			4.8
-195			195		157			5.2
-255			255		180	37	65	6.3
-315			315		—	97		7.7
-CTA25- 75		5.8~25	75	62	37	—	—	3.6
-105			105		67			4.2
-135			135		97			4.8
-165			165		127			5.4
-195			195		157			6.0
-255			255		217			7.2
-315	2		315		225	52	70	8.7
-CTA32- 90	1	24.8~32	90	74	52	—	—	4.0
-120			120		82			4.7
-150			150		112			5.4
-180			180		142			6.1
-CTA40- 90		31.8~42	90	90	52			4.0
-120			120		82			5.0

CODE	Fig.	φD	L	φC	L ₁	φD ₁	G	
DN40AD-CTA20- 75	1	5.8~20	75	50	56	—	—	1.1
-135			135		116			1.9
-CTA25- 75		5.8~25	75	62	56			1.7
DN50AD-CTA20-105	2	5.8~20	105	50	70	—	—	2.3
-165			165		130			3.0
-CTA25-105		5.8~25	105	62	70			2.9
CT40 -CTA20- 75	1	.23~.79	2.95	1.97	2.20	—	—	2.65
-135			5.31		4.57			3.75
-CTA25- 75		.23~.98	2.95	2.44	2.20			3.09
CT50 -CTA20-105	1	.23~.79	4.13	1.97	2.68			7.94
-165			6.50		5.12			9.70
-CTA25-105		.23~.98	4.13	2.44	2.68			8.60
ST20T-CTA10	3	2.4~10	35	36	110	20	—	—
ST25T-CTA10	3	2.4~10	35	36	110	25	—	—
-CTA20		5.8~20	60	50				
ST32T-CTA10- 30	3	2.4~10	30	36	100	32	—	—
- 60			60					
- 90			90					
-120			120					
-CTA20- 60		5.8~20	60	50				
- 90			90					
-120			120					
ST42T-CTA25- 90	3	5.8~25	90	62	110	42	—	—
-120			120					
S 32 -CTA10	4	2.4~10	30	36	70	32	—	—
-CTA20		5.8~20	60	50				
S 42 -CTA10	4	2.4~10	30	36	80	42	—	—
-CTA20		5.8~20	35	50				
-CTA25		5.8~25	80	62				

Option

- Spring collet→P.38 • Spanner→P.38 • Retention knob(BT)→P.64
- Adjustable torque wrench→P.38

Std. Access.

- Nut(NUA-CTA)

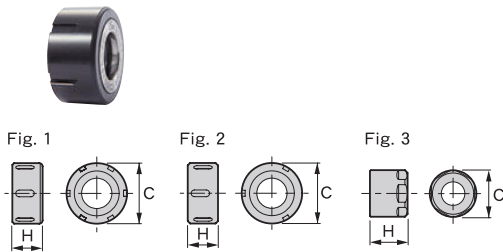
Note

- Applicable for coolant-through methods. Please contact us for more information.

Caution

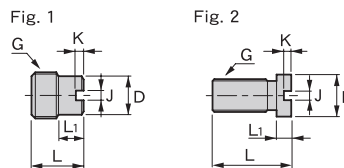
- The undercut area of the DN40AD-CTA25 and CT40-CTA25 are different from the standard. Please be careful to check for interference with the ATC arm.
- For precautions and maintenance, refer to page 116.

Nut

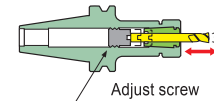


CODE	Fig.	φC	H	Holder type
NUA-CTA10	1	36	18	CTA10
-CTA20		50	25	CTA20
-CTA25		62	28.5	CTA25
-CTA32		74	32	CTA32
-CTA40		90	36	CTA40
-CTH10	2	36	18	CTH10
-CTH20		50	25	CTH20
-CTH25		62	28.5	CTH25
-CTH25-55		55		CTH25(A40)
-CTH32		74	32	CTH32
-CTH10-32		32	18	CTH10(A40, E32, E40)
-CTS10	3	26	21	CTS10

Adjust screw



The overhang of the cutting tool can be adjusted.

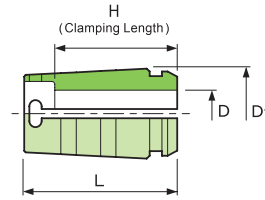


CODE	Fig.	L	φD	L ₁	J	K	G	Holder type
AJC-M14	1	22	10	8	1.5	3	M14×1.5	CTA10 ST25T-CTA20
-M24		27	20	13	5	4	M24×1.5	CTA20 (※1) BT40-CTA25- 75 BT40-CTA32-105
-M28								25
-M18		24	15	8	M18×1.5	BT30-CTA20 , ST32T-CTA20		
-M18L		2	43	23				BT50-CTA32 , CTA40

※1: Except BT30, SE30M, ST25T and ST32T

※2: Except BT40-CTA25-75

SPRING COLLET



CODE		φD	Holder type	Collapsi- bility	L	φD ₁	H
Standard Collet	Precision Collet						
C10-D	Add “-P” after the standard type item code. 〈 Example 〉 C10 - 6 - P	2.6 2.8 3 3.2 3.4 3.6 3.8 4 4.2 4.4	CTH10 CTA10 CTS10※	0.2	26	17.2	D=2.6~5(Except 3,4) → 16
		4.6 4.8 5 5.2 5.4 5.6 5.8 6 6.2 6.4					3, 4, 5.2 ~ 5.8 → 18
		6.6 6.8 7 7.2 7.4 7.6 7.8 8 8.2 8.4					6 ~ 10 → 20
		8.6 8.8 9 9.2 9.4 9.6 9.8 10					
C20-D		6 6.2 6.4 6.6 6.8 7 7.2 7.4 7.6 7.8 8	CTH20 CTA20	0.2	50	29.5	D= 6 ~ 9.8 → 32
		8.2 8.4 8.6 8.8 9 9.2 9.4 9.6 9.8 10					10 ~ 15.8 → 35
		10.2 10.4 10.6 10.8 11 11.2 11.4 11.6					16 ~ 20 → 40
		11.8 12 12.2 12.4 12.6 12.8 13 13.2					
		13.4 13.6 13.8 14 14.2 14.4 14.6 14.8					
		15 15.2 15.4 15.6 15.8 16 16.2 16.4					
		16.6 16.8 17 17.2 17.4 17.6 17.8 18					
		18.2 18.4 18.6 18.8 19 19.2 19.4 19.6					
C25-D		6 8 10 10.5 11 11.5 12 12.5 13 13.5	CTH25 CTA25	0.2	68	36.5	D= 6 ~ 8 → 38
		14 14.5 15 15.5 16 16.5 17 17.5 18					10 ~ 15 → 48
		18.5 19 19.5 20 20.5 21 21.5 22 22.5					15.5~20 → 54
		23 23.5 24 24.5 25					20.5~25 → 57
C32-D	25 28 30 32	CTH32 CTA32	0.2	80	46	D=25 ~ 28 → 66	
						30 ~ 32 → 68	
C40-D	32 40 42	CTA40	0.2	80	56	D=32 ~ 40 → 65	
						42 → 70	

CODE	ϕD	Holder type	Collapsibility	L	ϕD_1	H
Standard Collet						
C20-D	1/4 5/16 3/8	CTA20	.008	1.97	1.16	1.14
	7/16 1/2					1.30
	5/8 3/4					1.57
C25-D	1/4 5/16 3/8	CTA25	.008	2.67	1.44	1.38
	7/16 1/2					1.81
	5/8 3/4					2.12
	1IN					2.24

Option

- Collet remover

Note

- Please contact us if you need a size that is not mentioned above, and we will manufacture it for you (standard accuracy collets only).

Caution

- *CTS10 = Collapsibility cannot be used. The collet can only chuck a tool of the reference diameter.

Ex. C10 - 6 - P

Highest guaranteed accuracies throughout entire chucking range(100% inspection)

Collet	Run-out accuracy (μm)
Precision Collet	5
Standard Collet	10

※Accuracy of collet alone

D	L
~ 10	4×D
10 ~ 20	40
20.5~42	60

Spanner · Wrench

Fig. 1



Fig. 2



CODE	Fig.	Holder type	R	L	Tightening torque(N·m)
FC-32	1	CTH10 (A40, E32, E40)	16	120	40~60
-36		CTA10, CTH10	18	208	
-50		CTA20, CTH20	25	281	120
-55		CTH25(A40)	27.5	284	150
-62		CTA25, CTH25	31	312	
-74		CTA32, CTH32	37	364	
-90	2	CTA40	45		
RC-26		CTS10	-	240	-

Adjustable torque wrench

The nut-tightening torque can be adjusted more properly.

Spanner for torque wrench	Adjustable torque wrench	Holder type
FC-36AW	AW-1	CTA10, CTH10
-50AW	-2	CTA20, CTH20

Spring collet standard set



C10-A set

CODE	Collet inner diameter	Q'ty	Holder type
C10-Aset	3, 4, 5, 6, 8, 10	6pcs. (1ea.)	CTA10
C20-Aset	6, 8, 10, 12, 16, 20		CTA20
C25-Aset	6, 8, 10, 12, 16, 20, 25	7pcs. (1ea.)	CTA25

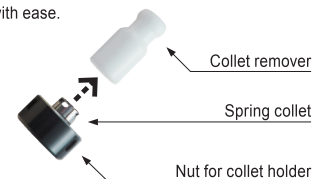
Std. Access.

- Collet remover (C10-A set)

Collet remover

The collet can be attached/detached with ease.

CODE	Holder type
C10-RM	C10
C20-RM	C20
CE-CTS10	CTS10



COOLANT-THROUGH SYSTEM

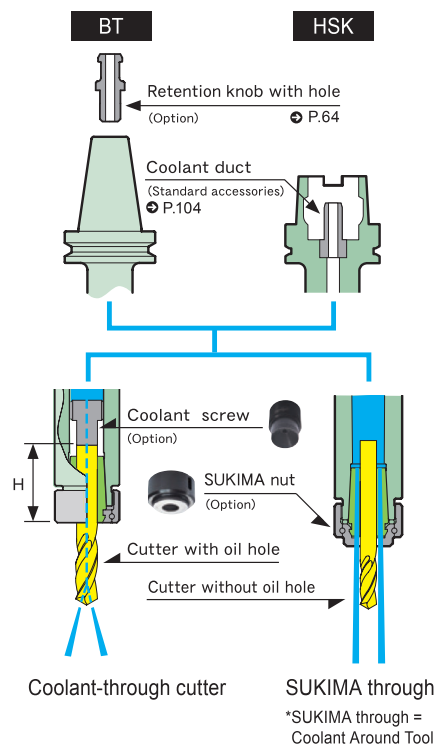
CODE
BT30 -CTH10- 45
- 75
-CTH20- 60
- 90
BT40 -CTH10- 60
- 90
-120
-150
-CTH20- 60
- 90
-120
-150
-CTH25- 75
-105
BT50 -CTH10-105
-135
-165
-CTH20-105
-135
-165
-CTH25- 75
-105
-CTH32- 90
DN40AD-CTH20- 75
-135
-CTH25- 75
DN50AD-CTH20-105
-165
-CTH25-105

Retention knob with hole
Model no. of retention knob depends on the machine model.

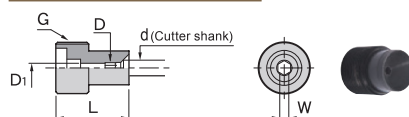
Coolant-through cutter SUKIMA through

Coolant screw	H
CSA-M14	22~38
※1	22~68
CSA-M14	22~54
	22~67
-M24S	44~54
-M24L	36~46
-M24S	44~79
-M24L	36~71
-M24S	44~83
-M24L	36~75
-M24S	44~89
-M24L	36~81
-M24S	61~73
-M24L	53~65
-M28	61~80
CSA-M14	22~49
	22~67
-M24S	44~81
-M24L	36~73
-M24S	44~89
-M24L	36~81
-M24S	44~89
-M24L	36~81
-M28	61~79
	61~89
※1	-
CSA-M24S	44~ 69
-M24L	36~ 61
-M24S	44~ 89
-M24L	36~ 81
-M24S	61~ 73
-M24L	53~ 65
CSA-M24S	44~ 89
-M24L	36~ 81
-M24S	44~ 89
-M24L	36~ 81
-M28	61~ 90

SUKIMA nut
NUB-CTH10
-CTH20
NUB-CTH10
-CTH20
-CTH25
NUB-CTH10
-CTH20
-CTH25
-CTH32
NUB-CTH20
-CTH25
NUB-CTH20
-CTH20
-CTH25

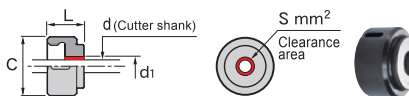


Coolant screw



CODE	φD	φd	L	G	W
CSR-14	3	4~10	14	-	-
CP -14M		7~10	53	M14×1.5	3
CSA-M14	2.4	4~10	26		2
-M24S	7	10~20	30	M24×1.5	6
-M24L	3.4	6~12	38		3
-M28	6	10~25	40	M28×1.5	5

SUKIMA nut



CODE	φC	L	φd	φd1	S
NUB-CTH10- 3.6	36	23	3	3.6	3.1
- 4.5			4	4.5	3.3
- 5.5			5	5.5	3.7
- 6.4			6	6.4	3.9
- 8.4			8	8.4	4.6
-10.3			10	10.3	4.8
-CTH20- 6.4	50	30	6	6.4	3.9
- 8.4			8	8.4	4.6
-10.3			10	10.3	4.8
-12.3			12	12.3	
-16.2			16	16.2	5.1
-20.2			20	20.2	5.7
-CTH25-20.2	62	34.5			
-25.2			25	25.2	5.9
-CTH32-25.2	74	38			
-32.1			32	32.1	6.0

Note

- For information on the asterisked (※1) coolant screw for the coolant-through cutter capability, please contact MST.
- A coolant duct is built into every tooling holder. However, the coolant ducts marked with ※2 are optional.
- Applicable for CTA type too. Please contact us for more information.

Caution

- Only the reference cutter size can be used.