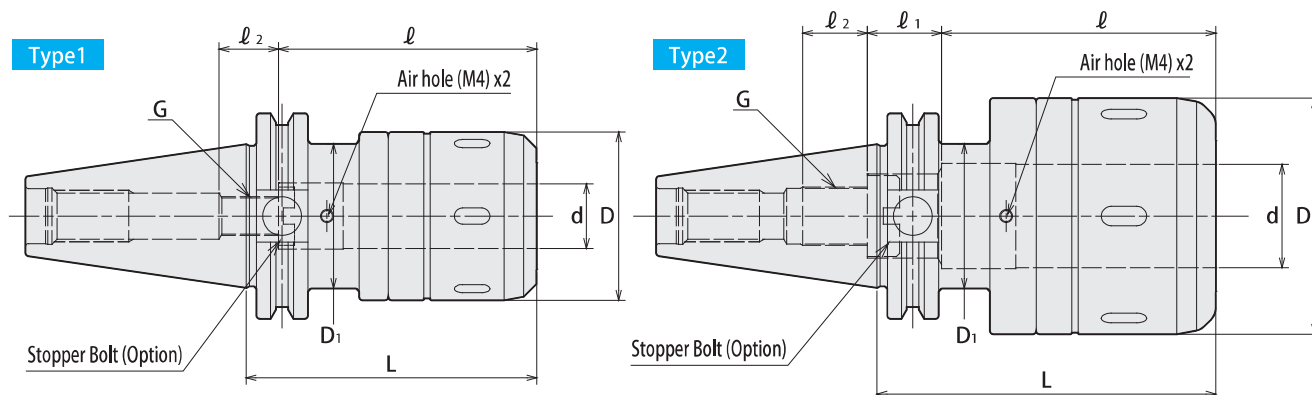


CT·SA

Super Tite-Lock Milling Chuck

- Slim design milling chuck. Specially designed slits enable heavy endmilling.



Caution

Please rotate the clamping ring counterclockwise more than 360 degrees after a cutting tool is removed.

Inch Sizes

Unit : Inch

Code	Model	Type	d	D	D ₁	L	l	l ₁	l ₂	G P=1.0	Max. min ⁻¹	kg	Spanner ²
1910 50424090	CAT40 -CT0750SA -90	1	0.750	2.047	1.750	3.543	3.150	-	0.591	BL20	18,000	1.8	HS-2-20
1910 50424105	-105	1	0.750	2.047	1.750	4.134	3.150	-	0.591	BL20	18,000	2.1	
1910 50424120	-120	1	0.750	2.047	1.750	4.724	3.150	-	0.591	BL20	18,000	2.3	
1910 50432105	CAT40 -CT1000SA -105	1	1.000	2.402	1.750	4.134	3.150	-	0.591	BL20	16,000	2.3	HS-2.5-25
1910 50432120	-120	1	1.000	2.402	1.750	4.724	3.150	-	0.591	BL20	16,000	2.7	
1910 50432135	-135	1	1.000	2.402	1.750	5.315	3.150	-	0.591	BL20	14,000	3	
1910 50440105	CAT40 -CT1250SA -105	2	1.250	2.874	1.750	4.134	3.346	0.906	0.787	BL32	12,000	2.5	HS-3-32
1910 50440120	-120	2	1.250	2.874	1.750	4.724	3.346	0.906	0.787	BL32	12,000	2.9	
1910 50440135	-135	2	1.250	2.874	1.750	5.315	4.724	-	0.787	BL32	12,000	3.2	
1910 50524090	CAT50 -CT0750SA -90	1	0.750	2.047	2.750	3.543	3.150	-	0.591	BL20	15,000	4.2	HS-2-20
1910 50524105	-105	1	0.750	2.047	2.750	4.134	3.150	-	0.591	BL20	15,000	4.5	
1910 50524135	-135	1	0.750	2.047	2.750	5.315	3.150	-	0.591	BL20	14,000	5.4	
1910 50532105	CAT50 -CT1000SA -105	1	1.000	2.402	2.750	4.134	3.150	-	0.591	BL20	14,000	4.8	HS-2.5-25
1910 50532135	-135	1	1.000	2.402	2.750	5.315	3.150	-	0.591	BL20	12,000	5.7	
1910 50532165	-165	1	1.000	2.402	2.750	6.496	3.150	-	0.591	BL20	11,000	6.6	
1910 50540095	CAT50 -CT1250SA -95	1	1.250	2.874	2.750	3.740	4.724	-	0.787	BL32	12,000	4.6	HS-3-32
1910 50540105	-105	1	1.250	2.874	2.750	4.134	4.724	-	0.787	BL32	12,000	4.9	
1910 50540120	-120	1	1.250	2.874	2.750	4.724	4.724	-	0.787	BL32	12,000	5.6	
1910 50540135	-135	1	1.250	2.874	2.750	5.315	4.724	-	0.787	BL32	12,000	6.2	
1910 50540150	-150	1	1.250	2.874	2.750	5.906	4.724	-	0.787	BL32	11,000	6.7	
1910 50540165	-165	1	1.250	2.874	2.750	6.496	4.724	-	0.787	BL32	10,000	7.2	
1910 10564105	CAT50 -CT2000S -105	1	2.000	4.134	2.750	4.134	3.937	—	0.787	BL32	8,000	5.9	HS-5-42 (HS-4V)
1910 10564120	-120	1	2.000	4.134	2.750	4.724	3.937	—	0.787	BL32	8,000	6.9	
1910 10564135	-135	1	2.000	4.134	2.750	5.315	3.937	—	0.787	BL32	8,000	7.8	
1910 10564150	-150	1	2.000	4.134	2.750	5.906	3.937	—	0.787	BL32	8,000	0.0	
1910 10564165	-165	1	2.000	4.134	2.750	6.496	3.937	—	0.787	BL32	8,000	9.7	

1. Use 2pcs. of M4 × 5 (S) hex screw (included) to close air holes on the holder when internal coolant is used.
2. When ordering, indicate number of spanners required. "Complimentary" spanners are limited to number of milling chucks on order.
3. Tolerance of cutting tool shank must be h7.
4. Permissible speed is greatly affected by the stiffness of the machine spindle and the balance of the cutting tool.
Gradually increase from a low speed, and use at the proper speed.
5. Stopper bolts are sold separately.

Min. insertion length

Without MC collet (Direct chucking)

I.D. of Milling Chuck	Min. insertion length
0.750"	1.575" (40mm)
1.000", 1.250"	1.969" (50mm)
2.000"	2.170" (55mm)

With MC collet

Collet I.D. (Inch)	Min. insertion length MC, MC-C, MC-OH
1/4, 5/16	1.181" (30mm)
3/8, 1/2	1.575" (40mm)
5/8, 3/4, 7/8	1.772" (45mm)
1, 1-1/4, 1-1/2	1.969" (50mm)

Ordering Example

CAT40 - CT 0750 SA - 90

Shank size

I.D. (d)

Projection
length (L)

Metric Sizes

Unit : Inch

Code	Model			Type	d	D	D ₁	L	ℓ	ℓ ₁	ℓ ₂	G P=1.0	Max. min ⁻¹	kg	Spanner ²
1910 40416090	CAT40	-CT16SA	-90	1	0.630	1.772	1.750	3.543	2.559	-	0.787	BL16	20,000	1.6	HS-1-16
1910 40420090	CAT40	-CT20SA	-90	1	0.787	2.047	1.750	3.543	3.150	-	0.591	BL20	18,000	1.8	HS-2-20
1910 40420105			-105	1	0.787	2.047	1.750	4.134	3.150	-	0.591	BL20	18,000	2.1	
1910 40420120			-120	1	0.787	2.047	1.750	4.724	3.150	-	0.591	BL20	18,000	2.3	
1910 40425105	CAT40	-CT25SA	-105	1	0.984	2.402	1.750	4.134	3.150	-	0.591	BL20	16,000	2.3	HS-2.5-25
1910 40425120			-120	1	0.984	2.402	1.750	4.724	3.150	-	0.591	BL20	16,000	2.7	
1910 40425135			-135	1	0.984	2.402	1.750	5.315	3.150	-	0.591	BL20	14,000	3	
1910 40432105	CAT40	-CT32SA	-105	2	1.260	2.874	1.750	4.134	3.346	0.906	0.787	BL32	12,000	2.5	HS-3-32
1910 40432120			-120	2	1.260	2.874	1.750	4.724	3.346	0.906	0.787	BL32	12,000	2.9	
1910 40432135			-135	2	1.260	2.874	1.750	5.315	4.724	-	0.787	BL32	12,000	3.2	
1910 40516090	CAT50	-CT16SA	-90	1	0.630	1.772	2.750	3.543	2.559	-	0.787	BL16	15,000	4.1	HS-1-16
1910 40516105			-105	1	0.630	1.772	2.750	4.134	2.559	-	0.787	BL16	15,000	4.4	
1910 40520090	CAT50	-CT20SA	-90	1	0.787	2.047	2.750	3.543	3.150	-	0.591	BL20	15,000	4.2	HS-2-20
1910 40520105			-105	1	0.787	2.047	2.750	4.134	3.150	-	0.591	BL20	15,000	4.5	
1910 40520135			-135	1	0.787	2.047	2.750	5.315	3.150	-	0.591	BL20	14,000	5.4	
1910 40525105	CAT50	-CT25SA	-105	1	0.984	2.402	2.750	4.134	3.150	-	0.591	BL20	14,000	4.8	HS-2.5-25
1910 40525135			-135	1	0.984	2.402	2.750	5.315	3.150	-	0.591	BL20	12,000	5.7	
1910 40525165			-165	1	0.984	2.402	2.750	6.496	3.150	-	0.591	BL20	11,000	6.6	
1910 40532095	CAT50	-CT32SA	-95	1	1.260	2.874	2.750	3.740	4.724	-	0.787	BL32	12,000	4.6	HS-3-32
1910 40532105			-105	1	1.260	2.874	2.750	4.134	4.724	-	0.787	BL32	12,000	4.9	
1910 40532120			-120	1	1.260	2.874	2.750	4.724	4.724	-	0.787	BL32	12,000	5.6	
1910 40532135			-135	1	1.260	2.874	2.750	5.315	4.724	-	0.787	BL32	12,000	6.2	
1910 40532150			-150	1	1.260	2.874	2.750	5.906	4.724	-	0.787	BL32	11,000	6.7	
1910 40532165			-165	1	1.260	2.874	2.750	6.496	4.724	-	0.787	BL32	10,000	7.2	
1910 40542105	CAT50	-CT42SA	-105	1	1.654	3.465	2.750	4.134	4.724	-	0.787	BL32	10,000	5.4	HS-4-42
1910 40542120			-120	1	1.654	3.465	2.750	4.724	4.724	-	0.787	BL32	10,000	6.1	
1910 40542135			-135	1	1.654	3.465	2.750	5.315	4.724	-	0.787	BL32	10,000	6.8	
1910 40542150			-150	1	1.654	3.465	2.750	5.906	4.724	-	0.787	BL32	10,000	7.4	
1910 40542165			-165	1	1.654	3.465	2.750	6.496	4.724	-	0.787	BL32	9,000	8.1	

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Gradually increase from a low speed, and use at the proper speed.
5. Stopper bolts are sold separately.

Min. insertion length

Without MC collet (Direct chucking)

I.D. of Milling Chuck	Min. insertion length
16mm, 20mm	40mm (1.575")
25mm, 32mm, 42mm	50mm (1.969")

With MC collet

Collet I.D.	Min. insertion length	
	MC	MC-C, MC-OH
6mm, 8mm	30mm (1.181")	30mm (1.181")
10mm, 12mm	40mm (1.575")	40mm (1.575")
16mm, 18mm, 20mm	45mm (1.772")	45mm (1.772")
25mm	50mm (1.969")	50mm (1.969")
32mm	50mm (1.969")	60mm (2.362")

Stopper Bolt
BL

P. 17

Straight Collet
MC

P. 16

Clamper
CCL

P. 23



Ordering Example

CAT40 - **CT** **16** **SA** - **90**

Shank size I.D. (d) Projection length (L)