



U T S

UTS TOOLING SYSTEM

When placing an order, please specify high or low pressure.

Please check your machine spindle type.

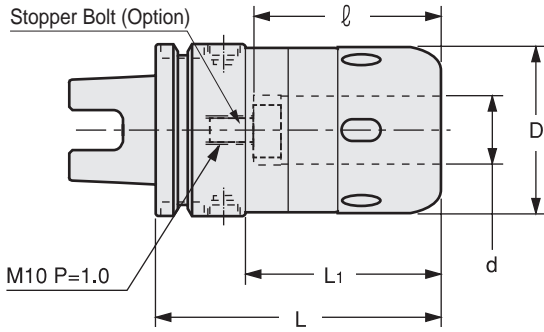
For high pressure type, please add (-H) on end of the description.

CT·S

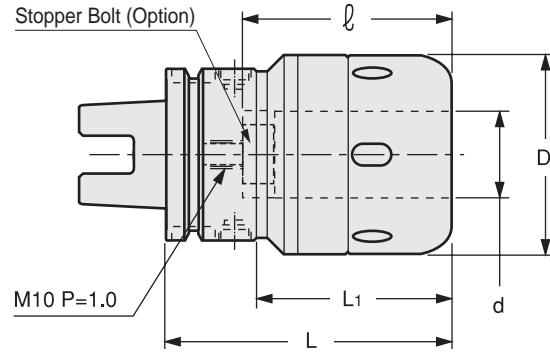
Super tite-lock Milling Chuck

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

Type1



Type2



Caution

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

Metric Sizes

Unit : Metric





Code	Model	Type	d	D	L	L1	ℓ	kg	Spanner
1360 01116090	UTS5040 -CT16S -90-H * 1	1	16	45	90	60	60	1.1	HS-1-16
1360 01120090	UTS5040 -CT20S -90-H * 5	2	20	52	90	60	60	1.3	HS-2-20
1360 01120105	-105-H * 1	2	20	52	105	75	75	1.5	
1360 01125105	UTS5040 -CT25S -105-H * 1	2	25	61	105	75	75	1.8	HS-2.5-25
1360 0 * 216090	UTS6350 -CT16S -90	1	16	45	90	57	65	1.5	HS-1-16
1360 0 * 220090	UTS6350 -CT20S -90 * 5	1	20	52	90	57	65	1.6	
1360 0 * 220105	-105	1	20	52	105	72	75	1.8	HS-2-20
1360 0 * 220135	-135	1	20	52	135	102	80	2.2	
1360 0 * 225105	UTS6350 -CT25S -105	1	25	61	105	72	75	2.1	
1360 0 * 225120	-120	1	25	61	120	87	75	2.5	HS-2.5-25
1360 0 * 225135	-135	1	25	61	135	102	80	2.8	
1360 0 * 232105	UTS6350 -CT32S -105 * 2	2	32	73	105	72	80	2.5	
1360 0 * 232120	-120 * 2	2	32	73	120	87	90	2.8	HS-3-32
1360 0 * 232150	-150 * 1	2	32	73	150	117	120	3.3	
1360 0 * 316090	UTS10080 -CT16S -90	1	16	45	90	56	65	3.0	HS-1-16
1360 0 * 316105	-105	1	16	45	105	71	65	3.4	
1360 0 * 320090	UTS10080 -CT20S -90 * 5	1	20	52	90	56	65	3.2	
1360 0 * 320105	-105 * 3	1	20	52	105	71	70	3.5	
1360 0 * 320120	-120	1	20	52	120	86	80	3.9	HS-2-20
1360 0 * 320135	-135	1	20	52	135	101	80	4.2	
1360 0 * 320150	-150	1	20	52	150	116	80	4.6	
1360 0 * 325105	UTS10080 -CT25S -105 * 4	1	25	61	105	71	70	3.8	
1360 0 * 325120	-120	1	25	61	120	86	80	4.1	HS-2.5-25
1360 0 * 325135	-135	1	25	61	135	101	80	4.5	
1360 0 * 325150	-150	1	25	61	150	116	80	5.0	
1360 0 * 332105	UTS10080 -CT32S -105 * 5	1	32	73	105	71	70	4.2	
1360 0 * 332120	-120 * 2	1	32	73	120	86	85	4.6	HS-3-32
1360 0 * 332135	-135 * 1	1	32	73	135	101	100	5.0	
1360 0 * 332150	-150 * 1	1	32	73	150	116	115	5.4	
1360 0 * 342120	UTS10080 -CT42S -120 * 5	1	42	88	120	86	85	5.4	
1360 0 * 342135	-135 * 5	1	42	88	135	101	100	6.0	HS-4-42
1360 0 * 342150	-150 * 5	1	42	88	150	116	110	6.6	
1360 0 * 342165	-165 * 1	1	42	88	165	131	120	7.2	

When placing an order, please specify high or low pressure. For high pressure type, please add (-H) on end of the description.

1. When ordering, indicate number of spanners required. "No charge" spanners are limited to number of milling chucks on order.
2. Tolerance of cutting tool shank must be h7.
3. UTS5040 is available in high pressure only.

Accessories

Models with * 1 - * 5 cannot be used with some accessories due to short l length.

	Stopper Bolt 	Straight Collet 		Morse Taper Adapter 		Jacobs Adapter 	
	BL (P.389)	MC (P.066)	MCA (P.067)	MA (P.068)	MAB (P.068)	JA (P.069)	JAB (P.069)
* 1	BL16 only	Yes	No	Yes	Yes	Yes	Yes
* 2	BL16 only	Yes	No	No	Yes	No	Yes
* 3	BL16 only	Yes	Yes	Yes	No	Yes	No
* 4	BL16 only	Yes	Yes	No	No	Yes	No
* 5	BL16 only	Yes	No	No	No	No	No

Min. chucking length

Without MC collet

I.D.of Milling Chuck	Min. chucking length
16、 20	40
25、 32、 42	50

With MC collet

Collet I.D.	Min. chucking length	
	MC	MC-C、 MC-OH
6、 8	30	30
10、 12	40	40
16、 20	45	45
25	50	50
32	50	60

Spanner

P. 069



Ordering Example

Low pressure type

0 ~ 1.0MPa (UTS10080 : 0 ~ 2.0MPa)

UTS6350 - CT 32 S - 105
Shank size I.D. (d) Projection length (L)

Ordering Example

High pressure type

1.1 ~ 7.0MPa (UTS10080 : 2.1 ~ 7.0MPa)

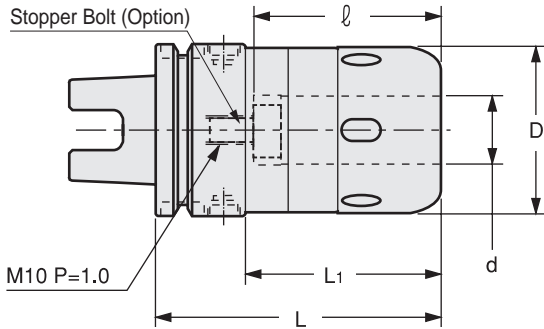
UTS6350 - CT 32 S - 105 - H
Shank size I.D. (d) Projection length (L) High pressure type

CT·S-E

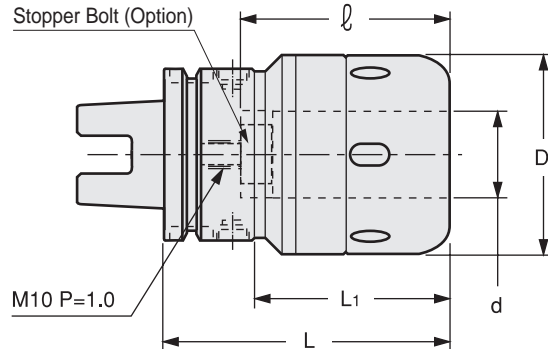
Super Tite-Lock Milling Chuck (High-Balanced Type)

● Slim design milling chuck. Specially designed slits enables heavy endmilling. (High balanced type for higher RPM)

Type1



Type2



Caution

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

Metric Sizes

Unit : Metric





Code	Model	Type	d	D	L	L1	l	kg	Spanner
1360 21116090	UTS5040 -CT16S -90E-H * 1	1	16	45	90	60	60	1.1	HS-1-16
1360 21120090	UTS5040 -CT20S -90E-H * 5	2	20	52	90	60	60	1.3	HS-2-20
1360 21120105	-105E-H * 1	2	20	52	105	75	75	1.5	HS-2-20
1360 21125105	UTS5040 -CT25S -105E-H * 1	2	25	61	105	75	75	1.8	HS-2.5-25
1360 2 ※ 216090	UTS6350 -CT16S -90E	1	16	45	90	57	65	1.4	HS-1-16
1360 2 ※ 220090	UTS6350 -CT20S -90E * 5	1	20	52	90	57	65	1.6	HS-2-20
1360 2 ※ 220105	-105E	1	20	52	105	72	75	1.8	HS-2-20
1360 2 ※ 220135	-135E	1	20	52	135	102	80	2.3	HS-2-20
1360 2 ※ 225105	UTS6350 -CT25S -105E	1	25	61	105	72	75	2.1	HS-2.5-25
1360 2 ※ 225120	-120E	1	25	61	120	87	75	2.5	HS-2.5-25
1360 2 ※ 225135	-135E	1	25	61	135	102	80	2.8	HS-2.5-25
1360 2 ※ 232105	UTS6350 -CT32S -105E * 2	2	32	73	105	72	80	2.5	HS-3-32
1360 2 ※ 232120	-120E * 2	2	32	73	120	87	90	2.8	HS-3-32
1360 2 ※ 232150	-150E * 1	2	32	73	150	117	120	3.3	HS-3-32
1360 2 ※ 316090	UTS10080 -CT16S -90E	1	16	45	90	56	65	2.9	HS-1-16
1360 2 ※ 316105	-105E	1	16	45	105	71	65	3.1	HS-1-16
1360 2 ※ 320090	UTS10080 -CT20S -90E * 5	1	20	52	90	56	65	3.1	HS-2-20
1360 2 ※ 320105	-105E * 3	1	20	52	105	71	70	3.3	HS-2-20
1360 2 ※ 320120	-120E	1	20	52	120	86	80	3.9	HS-2-20
1360 2 ※ 320135	-135E	1	20	52	135	101	80	4.2	HS-2-20
1360 2 ※ 320150	-150E	1	20	52	150	116	80	4.0	HS-2-20
1360 2 ※ 325105	UTS10080 -CT25S -105E * 4	1	25	61	105	71	70	3.6	HS-2.5-25
1360 2 ※ 325120	-120E	1	25	61	120	86	80	3.9	HS-2.5-25
1360 2 ※ 325135	-135E	1	25	61	135	101	80	4.3	HS-2.5-25
1360 2 ※ 325150	-150E	1	25	61	150	116	80	4.6	HS-2.5-25
1360 2 ※ 332105	UTS10080 -CT32S -105E * 5	1	32	73	105	71	70	4.1	HS-3-32
1360 2 ※ 332120	-120E * 2	1	32	73	120	86	85	4.5	HS-3-32
1360 2 ※ 332135	-135E * 1	1	32	73	135	101	100	5.0	HS-3-32
1360 2 ※ 332150	-150E * 1	1	32	73	150	116	115	5.3	HS-3-32
1360 2 ※ 342120	UTS10080 -CT42S -120E * 5	1	42	88	120	86	85	5.4	HS-4-42
1360 2 ※ 342135	-135E * 5	1	42	88	135	101	100	5.9	HS-4-42
1360 2 ※ 342150	-150E * 5	1	42	88	150	116	110	6.5	HS-4-42
1360 2 ※ 342165	-165E * 1	1	42	88	165	131	120	7.1	HS-4-42

When placing an order, please specify high or low pressure. For high pressure type, please add (-H) on end of the description.

1. When ordering, indicate number of spanners required. "No charge" spanners are limited to number of milling chucks on order.
2. Tolerance of cutting tool shank must be h7.
3. UTS5040 is available in high pressure only.

Accessories

Models with * 1 - * 5 cannot be used with some accessories due to short *ℓ* length.

	Stopper Bolt 	Straight Collet 		Morse Taper Adapter 		Jacobs Adapter 	
	BL (P.389)	MC (P.066)	MCA (P.067)	MA (P.068)	MAB (P.068)	JA (P.069)	JAB (P.069)
* 1	BL16 only	Yes	No	Yes	Yes	Yes	Yes
* 2	BL16 only	Yes	No	No	Yes	No	Yes
* 3	BL16 only	Yes	Yes	Yes	No	Yes	No
* 4	BL16 only	Yes	Yes	No	No	Yes	No
* 5	BL16 only	Yes	No	No	No	No	No

Min. chucking length

Without MC collet

I.D. of Milling Chuck	Min. chucking length
16, 20	40
25, 32, 42	50

With MC collet

Collet I.D.	Min. chucking length	
	MC	MC-C, MC-OH
6, 8	30	30
10, 12	40	40
16, 20	45	45
25	50	50
32	50	60

Spanner

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Ordering Example

Low pressure type

0 ~ 1.0MPa (UTS10080 : 0 ~ 2.0MPa)

UTS6350 - CT 32 S - 105 E
 Shank size I.D. (d) Projection length (L)

Ordering Example

High pressure type

1.1 ~ 7.0MPa (UTS10080 : 2.1 ~ 7.0MPa)

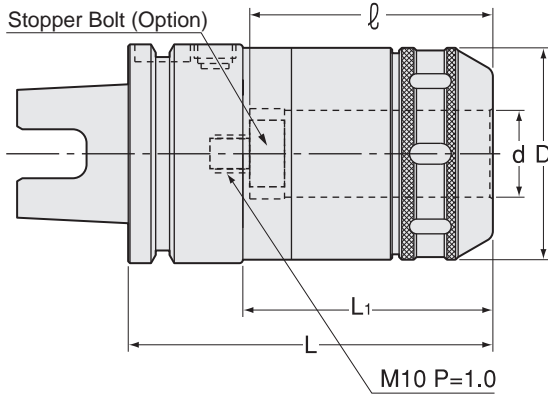
UTS6350 - CT 32 S - 105 E - H
 Shank size I.D. (d) Projection length (L) High pressure type

CT·A

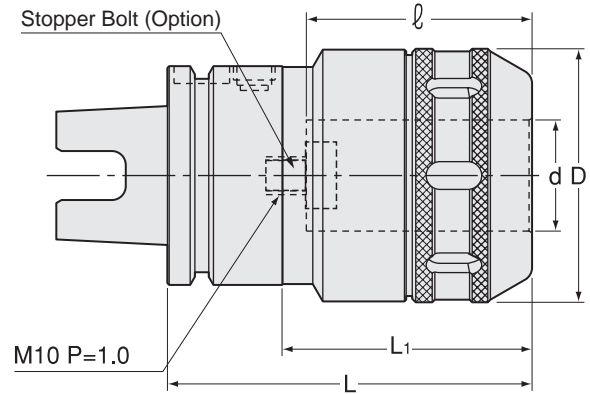
Tite-Lock Milling Chuck

- Slim design milling chuck. Clicking sound tells completion of clamping.

Type1



Type2



Caution

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

Metric Sizes

Unit : Metric





Code	Model	Type	d	D	L	L1	l	kg	Spanner
1280 01116090	UTS5040 -CT16A 90-H * 1	1	16	45	90	60	60	1.1	HS-1-16
1280 01120105	UTS5040 -CT20A 105-H * 1	2	20	52	105	75	75		HS-2-20
1280 01125105	UTS5040 -CT25A 105-H * 1	2	25	61	105	75	75	1.7	HS-2.5-25
1280 0 * 216090	UTS6350 -CT16A -90	1	16	45	90	57	65		HS-1-16
1280 0 * 220105	UTS6350 -CT20A -105	1	20	52	105	72	75	1.7	HS-2-20
1280 0 * 220135	-135	1	20	52	135	102	80		HS-2-20
1280 0 * 225105	UTS6350 -CT25A -105	1	25	61	105	72	75	2.1	HS-2.5-25
1280 0 * 225135	-135	1	25	61	135	102	80		HS-2.5-25
1280 0 * 232120	UTS6350 -CT32A -120 * 2	2	32	73	120	87	90	2.7	HS-3-32
1280 0 * 232150	-150 * 1	2	32	73	150	117	120		HS-3-32
1280 0 * 316090	UTS10080 -CT16A -90	1	16	45	90	56	65		HS-1-16
1280 0 * 316105	-105	1	16	45	105	71	65		HS-1-16
1280 0 * 320105	UTS10080 -CT20A -105 * 3	1	20	52	105	71	70		HS-2-20
1280 0 * 320135	-135	1	20	52	135	101	80		HS-2-20
1280 0 * 320150	-150	1	20	52	150	116	80		HS-2-20
1280 0 * 325105	UTS10080 -CT25A -105 * 4	1	25	61	105	71	70		HS-2.5-25
1280 0 * 325135	-135	1	25	61	135	101	80		HS-2.5-25
1280 0 * 325150	-150	1	25	61	150	116	80		HS-2.5-25
1280 0 * 332105	UTS10080 -CT32A -105 * 5	1	32	73	105	71	70		HS-3-32
1280 0 * 332135	-135 * 1	1	32	73	135	101	100	3.9	HS-3-32
1280 0 * 332150	-150 * 1	1	32	73	150	116	115		HS-3-32
1280 0 * 342135	UTS10080 -CT42A -135 * 5	1	42	88	135	101	100		HS-4-42
1280 0 * 342150	-150 * 5	1	42	88	150	116	110		HS-4-42
1280 0 * 342165	-165 * 1	1	42	88	165	131	120		HS-4-42

When placing an order, please specify high or low pressure. For high pressure type, please add (-H) on end of the description.

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* 1	BL16 only	Yes	No	Yes	Yes	Yes	Yes
* 2	BL16 only	Yes	No	No	Yes	No	Yes
* 3	BL16 only	Yes	Yes	Yes	No	Yes	No
* 4	BL16 only	Yes	Yes	No	No	Yes	No
* 5	BL16 only	Yes	No	No	No	No	No

Min. chucking length

Without MC collet

I.D. of Milling Chuck	Min. chucking length
16	40
20, 25	45
32, 42	60

With MC collet

Collet I.D.	Min. chucking length
6, 8	30
10, 12	40
16, 20	45
25	55
32	60

Spanner

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Ordering Example

Low pressure type

0 ~ 1.0MPa (UTS10080 : 0 ~ 2.0MPa)

UTS6350 - CT 32 A - 120
 Shank size I.D. (d) Projection length (L)

Ordering Example

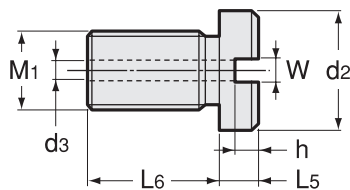
High pressure type

1.1 ~ 7.0MPa (UTS10080 : 2.1 ~ 7.0MPa)

UTS6350 - CT 32 A - 120 - H
 Shank size I.D. (d) Projection length (L) High pressure type

Stopper Bolt (for UTS)

BL



Code	Model	M1 P=1.0	L5	L6	W	h	d2	d3	Chucks
0711 040016 ※※	BL 16 -L5	10	5, 15, 25	14	5	3.5	15	4.5	CT16 ~ 42

Choose right L5 dimension by checking minimum insertion length and shank I.D. depth.

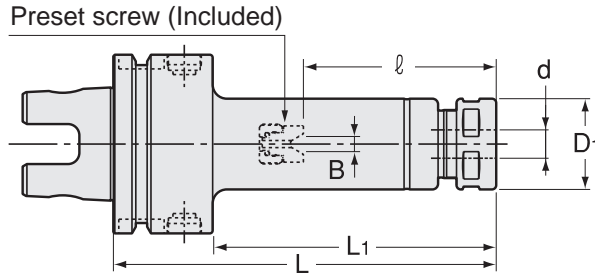
Ordering Example

BL16 - 15
 Size L5

HDC·A

High-Precision Collet Holder

- Suitable for drilling, reaming and finish endmilling.



Unit : Metric


Code	Model	d	L	L1	B	ℓ	D1	Nut	kg	Collet	Spanner
1260 11107075	UTS5040 -HDC07A -75-H	0.5 ~ 7.0	75	45	0 ~ 4	22 ~ 38	23	HDP-07A			
1260 11107090	-90-H	0.5 ~ 7.0	90	60	0 ~ 4	22 ~ 45	23	HDP-07A	0.6	FDC-07	S-0
1260 11107120	-120-H	0.5 ~ 7.0	120	90	0 ~ 4	22 ~ 45	23	HDP-07A	0.7		
1260 11109075	UTS5040 -HDC09A -75-H	2.5 ~ 9.0	75	45	0 ~ 4	27 ~ 31	26	HDP-09	0.7		
1260 11109090	-90-H	2.5 ~ 9.0	90	60	0 ~ 4	27 ~ 47	26	HDP-09	0.7	FDC-09	S-1L
1260 11109120	-120-H	2.5 ~ 9.0	120	90	0 ~ 4	27 ~ 61	26	HDP-09	0.8		
1260 11112090	UTS5040 -HDC12A -90-H	2.5 ~ 12.0	90	60	0 ~ 5	33 ~ 42	32	HDP-12	0.8		
1260 11112120	-120-H	2.5 ~ 12.0	120	90	0 ~ 5	33 ~ 69	32	HDP-12	0.9	FDC-12	S-3L
1260 11112150	-150-H	2.5 ~ 12.0	150	120	0 ~ 5	33 ~ 71	32	HDP-12			
1260 11116090	UTS5040 -HDC16A -90-H	3.5 ~ 16.0	90	60	0 ~ 6	38 ~ 50	36	HDP-16	0.8		
1260 11116120	-120-H	3.5 ~ 16.0	120	90	0 ~ 6	38 ~ 65	36	HDP-16	1.0	FDC-16	S-4L
1260 11116150	-150-H	3.5 ~ 16.0	150	120	0 ~ 6	38 ~ 82	36	HDP-16			
1260 11122090	UTS5040 -HDC22A -90-H	3.5 ~ 22.0	90	60	—	60	46	HDP-22			
1260 11122120	-120-H	3.5 ~ 22.0	120	90	0 ~ 8	47 ~ 63	46	HDP-22		FDC-22	S-5L
1260 11122150	-150-H	3.5 ~ 22.0	150	120	0 ~ 8	47 ~ 93	46	HDP-22			
1260 1 ※ 207075	UTS6350 -HDC07A -75	0.5 ~ 7.0	75	42	0 ~ 4	22 ~ 34	23	HDP-07A	1.0		
1260 1 ※ 207090	-90	0.5 ~ 7.0	90	57	0 ~ 4	22 ~ 45	23	HDP-07A	1.0	FDC-07	S-0
1260 1 ※ 207120	-120	0.5 ~ 7.0	120	87	0 ~ 4	22 ~ 45	23	HDP-07A	1.0		
1260 1 ※ 209075	UTS6350 -HDC09A -75	2.5 ~ 9.0	75	42	0 ~ 4	27 ~ 34	26	HDP-09			
1260 1 ※ 209090	-90	2.5 ~ 9.0	90	57	0 ~ 4	27 ~ 42	26	HDP-09	1.1	FDC-09	S-1L
1260 1 ※ 209120	-120	2.5 ~ 9.0	120	87	0 ~ 4	27 ~ 57	26	HDP-09	1.2		
1260 1 ※ 212090	UTS6350 -HDC12A -90	2.5 ~ 12.0	90	57	0 ~ 5	33 ~ 47	32	HDP-12	1.1		
1260 1 ※ 212120	-120	2.5 ~ 12.0	120	87	0 ~ 5	33 ~ 69	32	HDP-12	1.3	FDC-12	S-3L
1260 1 ※ 212150	-150	2.5 ~ 12.0	150	117	0 ~ 5	33 ~ 69	32	HDP-12	1.4		
1260 1 ※ 216090	UTS6350 -HDC16A -90	3.5 ~ 16.0	90	57	0 ~ 6	38 ~ 48	36	HDP-16	1.2		
1260 1 ※ 216120	-120	3.5 ~ 16.0	120	87	0 ~ 6	38 ~ 62	36	HDP-16	1.4	FDC-16	S-4L
1260 1 ※ 216150	-150	3.5 ~ 16.0	150	117	0 ~ 6	38 ~ 62	36	HDP-16	1.5		
1260 1 ※ 222090	UTS6350 -HDC22A -90	3.5 ~ 22.0	90	57	—	63	46	HDP-22	1.3		
1260 1 ※ 222120	-120	3.5 ~ 22.0	120	87	0 ~ 8	47 ~ 63	46	HDP-22	1.6	FDC-22	S-5L
1260 1 ※ 222150	-150	3.5 ~ 22.0	150	117	0 ~ 8	47 ~ 93	46	HDP-22	1.9		

Unit : Metric

Code	Model	d	L	L1	B	ℓ	D1	Nut	kg	Collet	Spanner
1260 1 ※ 307075	UTS10080 -HDC07A -75	0.5 ~ 7.0	75	41	0 ~ 4	22 ~ 26	23	HDP-07A			
1260 1 ※ 307090	-90	0.5 ~ 7.0	90	56	0 ~ 4	22 ~ 45	23	HDP-07A		FDC-07	S-0
1260 1 ※ 307120	-120	0.5 ~ 7.0	120	86	0 ~ 4	22 ~ 45	23	HDP-07A			
1260 1 ※ 309075	UTS10080 -HDC09A -75	2.5 ~ 9.0	75	41	0 ~ 4	27 ~ 32	26	HDP-09			
1260 1 ※ 309090	-90	2.5 ~ 9.0	90	56	0 ~ 4	27 ~ 47	26	HDP-09		FDC-09	S-1L
1260 1 ※ 309120	-120	2.5 ~ 9.0	120	86	0 ~ 4	27 ~ 57	26	HDP-09			
1260 1 ※ 312090	UTS10080 -HDC12A -90	2.5 ~ 12.0	90	56	0 ~ 5	33 ~ 42	32	HDP-12			
1260 1 ※ 312120	-120	2.5 ~ 12.0	120	86	0 ~ 5	33 ~ 60	32	HDP-12	2.8	FDC-12	S-3L
1260 1 ※ 312150	-150	2.5 ~ 12.0	150	116	0 ~ 5	33 ~ 70	32	HDP-12			
1260 1 ※ 316090	UTS10080 -HDC16A -90	3.5 ~ 16.0	90	56	0 ~ 6	38 ~ 42	36	HDP-16			
1260 1 ※ 316120	-120	3.5 ~ 16.0	120	86	0 ~ 6	38 ~ 60	36	HDP-16	2.9	FDC-16	S-4L
1260 1 ※ 316150	-150	3.5 ~ 16.0	150	116	0 ~ 6	38 ~ 70	36	HDP-16			
1260 1 ※ 322090	UTS10080 -HDC22A -90	3.5 ~ 22.0	90	56	—	66	46	HDP-22			
1260 1 ※ 322120	-120	3.5 ~ 22.0	120	86	0 ~ 8	47 ~ 59	46	HDP-22	3.1	FDC-22	S-5L
1260 1 ※ 322150	-150	3.5 ~ 22.0	150	116	0 ~ 8	47 ~ 82	46	HDP-22	3.4		

When placing an order, please specify high or low pressure. For high pressure type, please add (-H) on end of the description.

1. Collet, spanner, hexagon head preset screw, preset screw for semi-dry processing are sold separately. Standard preset screw is included.
2. Refer to P.092 for minimum tool insertion length in case of using our coolant collets (OH,C or MS).
3. ℓ indicates dimension when using with a preset screw.
4. UTS5040 is available in high pressure only.
5. See P.499 for standard Tightening Torque.

<p>Collet</p> <p>P. 086 - 089</p> 	<p>Spanner</p> <p>P. 095</p> 	<p>Preset screw</p> <p>P. 094</p> 
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Ordering Example

Low pressure type

0 ~ 1.0MPa (UTS10080 : 0 ~ 2.0MPa)

UTS6350 - HDC 16 A - 120

Shank size

Max. collet I.D.

Projection length (L)

Ordering Example

High pressure type

1.1 ~ 7.0MPa (UTS10080 : 2.1 ~ 7.0MPa)

UTS6350 - HDC 16 A - 120 - H

Shank size

Max. collet I.D.

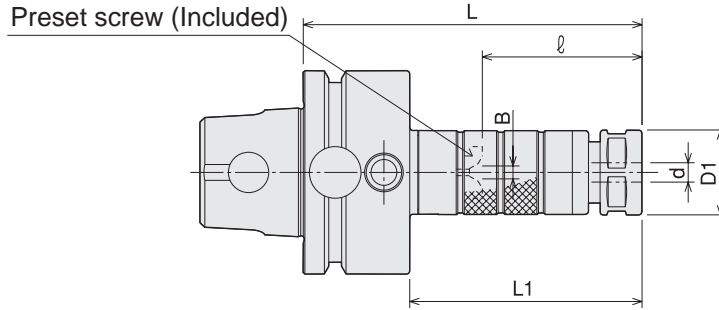
Projection length (L)

High pressure type

SDM

Drill Holder With Easy Tool Length Adjustment

- Projection length of the cutting tool can be adjusted by simply turning circumference of the holder.



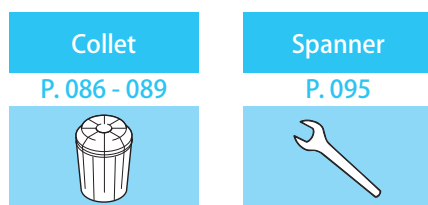
Unit : Metric

Code	Model	d	L	ℓ	L1	B	D1	Nut	Collet	Spanner
1380 01107090	UTS5040 -SDM07 -90-H	0.5 ~ 7.0	90	29 ~ 39	60	0 ~ 4	23	HDP-07A	FDC-07	S-0
1380 01107105	-105-H	0.5 ~ 7.0	105	29 ~ 54	75	0 ~ 4	23	HDP-07A		
1380 01107120	-120-H	0.5 ~ 7.0	120	29 ~ 54	90	0 ~ 4	23	HDP-07A		
1380 01109090	UTS5040 -SDM09 -90-H	2.5 ~ 9.0	90	28 ~ 38	60	0 ~ 4	26	HDP-09	FDC-09	S-1L
1380 01109105	-105-H	2.5 ~ 9.0	105	28 ~ 53	75	0 ~ 4	26	HDP-09		
1380 01109120	-120-H	2.5 ~ 9.0	120	28 ~ 53	90	0 ~ 4	26	HDP-09		
1380 01112105	UTS5040 -SDM12 -105-H	2.5 ~ 12.0	105	34 ~ 44	75	0 ~ 5	32	HDP-12	FDC-12	S-3L
1380 01112120	-120-H	2.5 ~ 12.0	120	34 ~ 59	90	0 ~ 5	32	HDP-12		
1380 01112135	-135-H	2.5 ~ 12.0	135	34 ~ 59	105	0 ~ 5	32	HDP-12		
1380 01112150	-150-H	2.5 ~ 12.0	150	34 ~ 59	120	0 ~ 5	32	HDP-12	FDC-16	S-4L
1380 01116105	UTS5040 -SDM16 -105-H	3.5 ~ 16.0	105	40 ~ 50	75	0 ~ 6	36	HDP-16		
1380 01116120	-120-H	3.5 ~ 16.0	120	40 ~ 65	90	0 ~ 6	36	HDP-16		
1380 01116135	-135-H	3.5 ~ 16.0	135	40 ~ 65	105	0 ~ 6	36	HDP-16	FDC-22	S-5L
1380 01116150	-150-H	3.5 ~ 16.0	150	40 ~ 65	120	0 ~ 6	36	HDP-16		
1380 01122120	UTS5040 -SDM22 -120-H	3.5 ~ 22.0	120	48 ~ 58	90	0 ~ 8	46	HDP-22		
1380 01122135	-135-H	3.5 ~ 22.0	135	48 ~ 73	105	0 ~ 8	46	HDP-22	FDC-22	S-5L
1380 01122150	-150-H	3.5 ~ 22.0	150	48 ~ 73	120	0 ~ 8	46	HDP-22		
1380 0 ※ 207090	UTS6350 -SDM07 -90	0.5 ~ 7.0	90	29 ~ 39	57	0 ~ 4	23	HDP-07A		
1380 0 ※ 207105	-105	0.5 ~ 7.0	105	29 ~ 54	72	0 ~ 4	23	HDP-07A		
1380 0 ※ 207120	-120	0.5 ~ 7.0	120	29 ~ 54	87	0 ~ 4	23	HDP-07A		
1380 0 ※ 207135	-135	0.5 ~ 7.0	135	29 ~ 54	102	0 ~ 4	23	HDP-07A	FDC-09	S-1L
1380 0 ※ 207150	-150	0.5 ~ 7.0	150	29 ~ 54	117	0 ~ 4	23	HDP-07A		
1380 0 ※ 209090	UTS6350 -SDM09 -90	2.5 ~ 9.0	90	28 ~ 38	57	0 ~ 4	26	HDP-09		
1380 0 ※ 209105	-105	2.5 ~ 9.0	105	28 ~ 53	72	0 ~ 4	26	HDP-09	FDC-09	S-1L
1380 0 ※ 209120	-120	2.5 ~ 9.0	120	28 ~ 53	87	0 ~ 4	26	HDP-09		
1380 0 ※ 209135	-135	2.5 ~ 9.0	135	28 ~ 53	102	0 ~ 4	26	HDP-09		
1380 0 ※ 209150	-150	2.5 ~ 9.0	150	28 ~ 53	117	0 ~ 4	26	HDP-09	FDC-12	S-3L
1380 0 ※ 209180	-180	2.5 ~ 9.0	180	28 ~ 53	147	0 ~ 4	26	HDP-09		
1380 0 ※ 212105	UTS6350 -SDM12 -105	2.5 ~ 12.0	105	34 ~ 44	72	0 ~ 5	32	HDP-12		
1380 0 ※ 212120	-120	2.5 ~ 12.0	120	34 ~ 59	87	0 ~ 5	32	HDP-12	FDC-12	S-3L
1380 0 ※ 212135	-135	2.5 ~ 12.0	135	34 ~ 59	102	0 ~ 5	32	HDP-12		
1380 0 ※ 212150	-150	2.5 ~ 12.0	150	34 ~ 59	117	0 ~ 5	32	HDP-12		
1380 0 ※ 212180	-180	2.5 ~ 12.0	180	34 ~ 59	147	0 ~ 5	32	HDP-12	FDC-16	S-4L
1380 0 ※ 216105	UTS6350 -SDM16 -105	3.5 ~ 16.0	105	40 ~ 50	72	0 ~ 6	36	HDP-16		
1380 0 ※ 216120	-120	3.5 ~ 16.0	120	40 ~ 65	87	0 ~ 6	36	HDP-16		
1380 0 ※ 216135	-135	3.5 ~ 16.0	135	40 ~ 65	102	0 ~ 6	36	HDP-16	FDC-16	S-4L
1380 0 ※ 216150	-150	3.5 ~ 16.0	150	40 ~ 65	117	0 ~ 6	36	HDP-16		
1380 0 ※ 216180	-180	3.5 ~ 16.0	180	40 ~ 65	147	0 ~ 6	36	HDP-16		
1380 0 ※ 222120	UTS6350 -SDM22 -120	3.5 ~ 22.0	120	48 ~ 58	87	0 ~ 8	46	HDP-22	FDC-22	S-5L
1380 0 ※ 222135	-135	3.5 ~ 22.0	135	48 ~ 73	102	0 ~ 8	46	HDP-22		
1380 0 ※ 222150	-150	3.5 ~ 22.0	150	48 ~ 73	117	0 ~ 8	46	HDP-22		
1380 0 ※ 222180	-180	3.5 ~ 22.0	180	48 ~ 73	147	0 ~ 8	46	HDP-22		

Code	Model	d	L	ℓ	L1	B	D1	Nut	Collet	Spanner
1380 0 ※ 307090	UTS10080 -SDM07 -90	0.5 ~ 7.0	90	29 ~ 39	56	0 ~ 4	23	HDP-07A	FDC-07	S-0
1380 0 ※ 307105	-105	0.5 ~ 7.0	105	29 ~ 54	71	0 ~ 4	23	HDP-07A		
1380 0 ※ 307120	-120	0.5 ~ 7.0	120	29 ~ 54	86	0 ~ 4	23	HDP-07A		
1380 0 ※ 307135	-135	0.5 ~ 7.0	135	29 ~ 54	101	0 ~ 4	23	HDP-07A		
1380 0 ※ 307150	-150	0.5 ~ 7.0	150	29 ~ 54	116	0 ~ 4	23	HDP-07A		
1380 0 ※ 307165	-165	0.5 ~ 7.0	165	29 ~ 54	131	0 ~ 4	23	HDP-07A		
1380 0 ※ 309090	UTS10080 -SDM09 -90	2.5 ~ 9.0	90	28 ~ 38	56	0 ~ 4	26	HDP-09	FDC-09	S-1L
1380 0 ※ 309105	-105	2.5 ~ 9.0	105	28 ~ 53	71	0 ~ 4	26	HDP-09		
1380 0 ※ 309120	-120	2.5 ~ 9.0	120	28 ~ 53	86	0 ~ 4	26	HDP-09		
1380 0 ※ 309135	-135	2.5 ~ 9.0	135	28 ~ 53	101	0 ~ 4	26	HDP-09		
1380 0 ※ 309150	-150	2.5 ~ 9.0	150	28 ~ 53	116	0 ~ 4	26	HDP-09		
1380 0 ※ 309180	-180	2.5 ~ 9.0	180	28 ~ 53	146	0 ~ 4	26	HDP-09		
1380 0 ※ 312105	UTS10080 -SDM12 -105	2.5 ~ 12.0	105	34 ~ 44	71	0 ~ 5	32	HDP-12	FDC-12	S-3L
1380 0 ※ 312120	-120	2.5 ~ 12.0	120	34 ~ 59	86	0 ~ 5	32	HDP-12		
1380 0 ※ 312135	-135	2.5 ~ 12.0	135	34 ~ 59	101	0 ~ 5	32	HDP-12		
1380 0 ※ 312150	-150	2.5 ~ 12.0	150	34 ~ 59	116	0 ~ 5	32	HDP-12		
1380 0 ※ 312180	-180	2.5 ~ 12.0	180	34 ~ 59	146	0 ~ 5	32	HDP-12		
1380 0 ※ 316105	UTS10080 -SDM16 -105	3.5 ~ 16.0	105	40 ~ 50	71	0 ~ 6	36	HDP-16		
1380 0 ※ 316120	-120	3.5 ~ 16.0	120	40 ~ 65	86	0 ~ 6	36	HDP-16		
1380 0 ※ 316135	-135	3.5 ~ 16.0	135	40 ~ 65	101	0 ~ 6	36	HDP-16		
1380 0 ※ 316150	-150	3.5 ~ 16.0	150	40 ~ 65	116	0 ~ 6	36	HDP-16		
1380 0 ※ 316180	-180	3.5 ~ 16.0	180	40 ~ 65	146	0 ~ 6	36	HDP-16		
1380 0 ※ 322120	UTS10080 -SDM22 -120	3.5 ~ 22.0	120	48 ~ 58	86	0 ~ 8	46	HDP-22	FDC-22	S-5L
1380 0 ※ 322135	-135	3.5 ~ 22.0	135	48 ~ 73	101	0 ~ 8	46	HDP-22		
1380 0 ※ 322150	-150	3.5 ~ 22.0	150	48 ~ 73	116	0 ~ 8	46	HDP-22		
1380 0 ※ 322180	-180	3.5 ~ 22.0	180	48 ~ 73	146	0 ~ 8	46	HDP-22		
1380 0 ※ 322210	-210	3.5 ~ 22.0	210	48 ~ 73	176	0 ~ 8	46	HDP-22		

When placing an order, please specify high or low pressure. For high pressure type, please add (–H) on end of the description.

1. Collet and spanner are sold separately.
2. ℓ is the dimension between the cap end and the preset screw top end.
3. UTS5040 is available in high pressure only.
4. See P.499 for standard Tightening Torque.



Ordering Example

Low pressure type

0 ~ 1.0MPa (UTS10080 : 0 ~ 2.0MPa)

UTS6350 - SDM 12 - 105
Shank size Max. collet I.D. Projection length (L)

Ordering Example

High pressure type

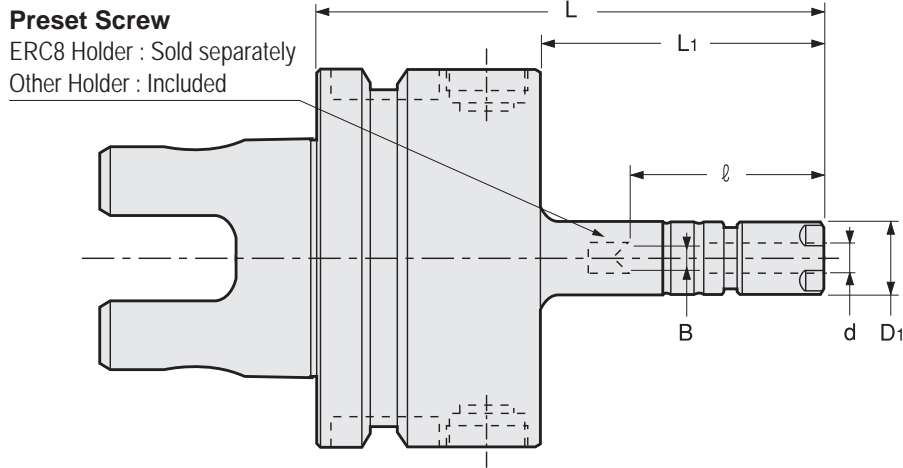
1.1 ~ 7.0MPa (UTS10080 : 2.1 ~ 7.0MPa)

UTS6350 - SDM 12 - 105 - H
Shank size Max. collet I.D. Projection length (L) High pressure type

ERC

Collet Holder For Small Diameters

- For drilling in tight space.






Unit : Metric

Code	Model	d	L	L1	B	ℓ	D1	Nut	kg	Collet	Spanner
1340 01108075	UTS5040 -ERC8 -75H	0.5 ~ 5.0	75	45	— (0 ~ 2.4)	³⁴ (19 ~ 24)	12	ERP-8	0.5	ER8	S-8E
1340 01108105	-105H	0.5 ~ 5.0	105	75	— (0 ~ 2.4)	³⁴ (19 ~ 31)	12	ERP-8	0.6		
1340 01110075	UTS5040 -ERC11S -75H	0.5 ~ 7.0	75	45	0 ~ 4	22 ~ 32	16	ERP-11S	0.6	ER11	S-11E
1340 01110105	-105H	0.5 ~ 7.0	105	75	0 ~ 4	22 ~ 45	16	ERP-11S	0.6		
1340 0 ※ 208075	UTS6350 -ERC8 -75	0.5 ~ 5.0	75	42	— (0 ~ 2.4)	³⁴ (19 ~ 24)	12	ERP-8	0.9	ER8	S-8E
1340 0 ※ 208105	-105	0.5 ~ 5.0	105	72	— (0 ~ 2.4)	³⁴ (19 ~ 31)	12	ERP-8	1.0		
1340 0 ※ 210075	UTS6350 -ERC11S -75	0.5 ~ 7.0	75	42	0 ~ 4	22 ~ 34	16	ERP-11S	1.0	ER11	S-11E
1340 0 ※ 210105	-105	0.5 ~ 7.0	105	72	0 ~ 4	22 ~ 45	16	ERP-11S	1.0		

When placing an order, please specify high or low pressure. For high pressure type, please add (-H) on end of the description.

1. Collet and spanner are sold separately.
2. ES8, a preset screw for ERC8, is sold separately. ERC11S includes a standard preset screw HDS-07A-ES11.
3. "B" and "ℓ" dimensions in brackets are for using ES8 preset screw.
4. Refer to P.092 for minimum tool insertion length in case of using our coolant collets.
5. UTS5040 is available in high pressure only.
6. See P.499 for standard Tightening Torque.

Collet P. 090-091 	Spanner P. 095 	Preset screw P. 094 
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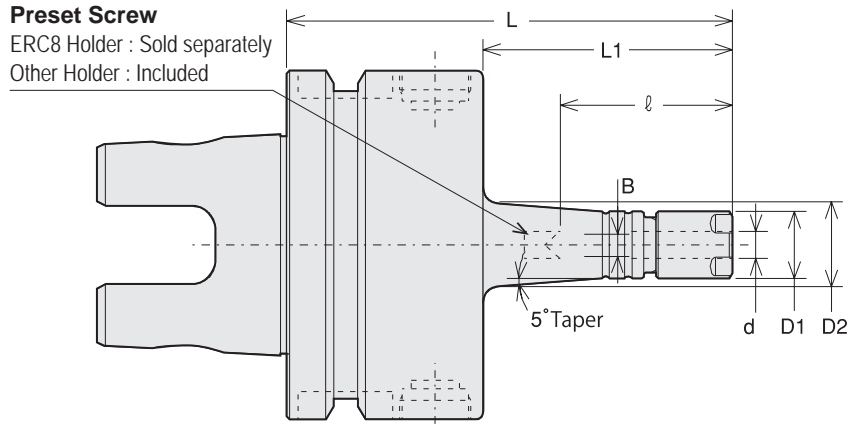
Ordering Example
 Low pressure type
 0 ~ 1.0MPa (UTS10080 : 0 ~ 2.0MPa)
UTS6350 - ERC 8 - 75
 Shank size Max. collet I.D. Projection length (L)

Ordering Example
 High pressure type
 1.1 ~ 7.0MPa (UTS10080 : 2.1 ~ 7.0MPa)
UTS6350 - ERC 8 - 75 - H
 Shank size Max. collet I.D. Projection length (L) High pressure type

ERC-T

Collet Holder For Small Diameters (Taper Type)

- For drilling in tight space.





Unit : Metric

Code	Model	d	L	L1	B	l	D1	D2	Nut	Collet	Spanner
1340 11108075	UTS5040 -ERC8 -75TH	0.5 ~ 5.0	75	45	— (0 ~ 2.4)	³⁴ (19 ~ 24)	12	16	ERP-8	ER8	S-8E
1340 11108105	-105TH	0.5 ~ 5.0	105	75	— (0 ~ 2.4)	³⁴ (19 ~ 31)	12	21	ERP-8	ER8	S-8E
1340 11110075	UTS5040 -ERC11S -75TH	0.5 ~ 7.0	75	45	0 ~ 4	22 ~ 32	16	19.5	ERP-11S	ER11	S-11E
1340 11110105	-105TH	0.5 ~ 7.0	105	75	0 ~ 4	22 ~ 45	16	25	ERP-11S	ER11	S-11E
1340 1 ※ 208075	UTS6350 -ERC8 -75T	0.5 ~ 5.0	75	42	— (0 ~ 2.4)	³⁴ (19 ~ 24)	12	15.5	ERP-8	ER8	S-8E
1340 1 ※ 208105	-105T	0.5 ~ 5.0	105	72	— (0 ~ 2.4)	³⁴ (19 ~ 31)	12	20.5	ERP-8	ER8	S-8E
1340 1 ※ 210075	UTS6350 -ERC11S -75T	0.5 ~ 7.0	75	42	0 ~ 4	22 ~ 34	16	19	ERP-11S	ER11	S-11E
1340 1 ※ 210105	-105T	0.5 ~ 7.0	105	72	0 ~ 4	22 ~ 45	16	24.5	ERP-11S	ER11	S-11E

When placing an order, please specify high or low pressure. For high pressure type, please add (-H) on end of the description.

1. Collet and spanner are sold separately.
2. ES8, a preset screw for ERC8-T, is sold separately. ERC11S-T includes a standard preset screw HDS-07A-ES11.
3. "B" and "l" dimensions in brackets are for using ES8 preset screw.
4. Refer to P.092 for minimum tool insertion length in case of using our coolant collets.
5. UTS5040 is available in high pressure only.
6. See P.499 for standard Tightening Torque.

Collet P. 090-091 	Spanner P. 095 	Preset screw P. 094 
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Ordering Example

Low pressure type

0 ~ 1.0MPa (UTS10080 : 0 ~ 2.0MPa)

UTS6350 - ERC 8 - 105 T
Shank size Max. collet I.D. Projection length (L)

Ordering Example

High pressure type

1.1 ~ 7.0MPa (UTS10080 : 2.1 ~ 7.0MPa)

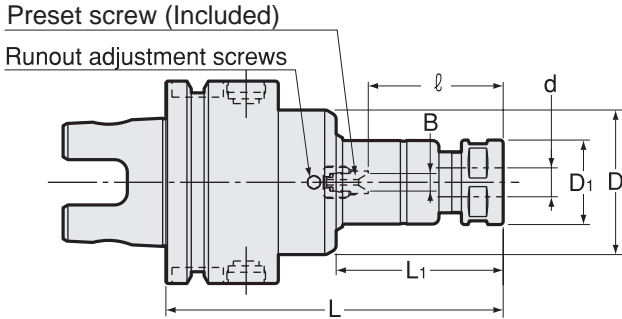
UTS6350 - ERC 8 - 105 T - H
Shank size Max. collet I.D. Projection length (L) High pressure type

HDZ

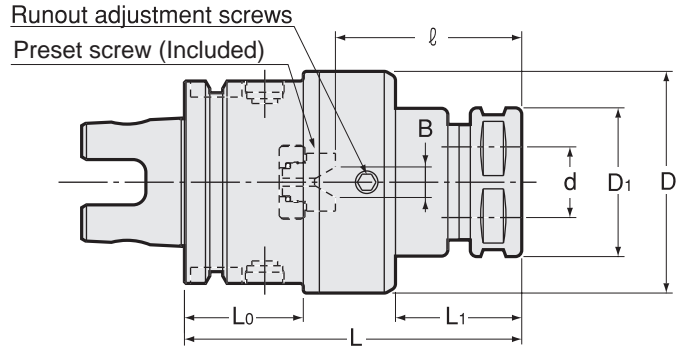
"R"Zero Holder

● Runout accuracy of the cutting edge can be adjusted as closely as to zero.

Type1



Type2



Unit : Metric





Code	Model	Type	d	L	ℓ	B	D	L1	L0	D1	Nut	kg	Collet	Spanner	Wrench
1250 01107075	UTS5040 -HDZ07 -75-H	1	0.5 ~ 7.0	75	22 ~ 32	0 ~ 4	41	29	—	23	HDP-07A				
1250 01107090	-90-H	1	0.5 ~ 7.0	90	22 ~ 45	0 ~ 4	41	44	—	23	HDP-07A		FDC-07	S-0	L-3T
1250 01107120	-120-H	1	0.5 ~ 7.0	120	22 ~ 45	0 ~ 4	41	74	—	23	HDP-07A				
1250 01109075	UTS5040 -HDZ09 -75-H	1	2.5 ~ 9.0	75	27 ~ 31	0 ~ 4	41	29	—	26	HDP-09				
1250 01109090	-90-H	1	2.5 ~ 9.0	90	27 ~ 47	0 ~ 4	41	44	—	26	HDP-09		FDC-09	S-1L	L-3T
1250 01109120	-120-H	1	2.5 ~ 9.0	120	27 ~ 61	0 ~ 4	41	74	—	26	HDP-09				
1250 01112090	UTS5040 -HDZ12 -90-H	2	2.5 ~ 12.0	90	33 ~ 41	0 ~ 5	52	35	30	32	HDP-12				
1250 01112120	-120-H	2	2.5 ~ 12.0	120	33 ~ 70	0 ~ 5	52	65	30	32	HDP-12		FDC-12	S-3L	L-4T
1250 01112150	-150-H	2	2.5 ~ 12.0	150	33 ~ 73	0 ~ 5	52	95	30	32	HDP-12				
1250 01116090	UTS5040 -HDZ16 -90-H	2	3.5 ~ 16.0	90	38 ~ 49	0 ~ 6	56	35	30	36	HDP-16				
1250 01116120	-120-H	2	3.5 ~ 16.0	120	38 ~ 64	0 ~ 6	56	65	30	36	HDP-16		FDC-16	S-4L	L-4T
1250 01116150	-150-H	2	3.5 ~ 16.0	150	38 ~ 85	0 ~ 6	56	95	30	36	HDP-16				
1250 0 ※ 207075	UTS6350 -HDZ07 -75	1	0.5 ~ 7.0	75	22 ~ 34	0 ~ 4	41	26	—	23	HDP-07A				
1250 0 ※ 207090	-90	1	0.5 ~ 7.0	90	22 ~ 45	0 ~ 4	41	41	—	23	HDP-07A	1.1	FDC-07	S-0	L-3T
1250 0 ※ 207120	-120	1	0.5 ~ 7.0	120	22 ~ 45	0 ~ 4	41	71	—	23	HDP-07A	1.2			
1250 0 ※ 209075	UTS6350 -HDZ09 -75	1	2.5 ~ 9.0	75	27 ~ 34	0 ~ 4	45	26	—	26	HDP-09				
1250 0 ※ 209090	-90	1	2.5 ~ 9.0	90	27 ~ 42	0 ~ 4	45	41	—	26	HDP-09	1.1	FDC-09	S-1L	L-3T
1250 0 ※ 209120	-120	1	2.5 ~ 9.0	120	27 ~ 57	0 ~ 4	45	71	—	26	HDP-09	1.3			
1250 0 ※ 212090	UTS6350 -HDZ12 -90	1	2.5 ~ 12.0	90	33 ~ 47	0 ~ 5	52	37	—	32	HDP-12	1.3			
1250 0 ※ 212120	-120	1	2.5 ~ 12.0	120	33 ~ 69	0 ~ 5	52	67	—	32	HDP-12		FDC-12	S-3L	L-4T
1250 0 ※ 212150	-150	1	2.5 ~ 12.0	150	33 ~ 69	0 ~ 5	52	97	—	32	HDP-12	1.6			
1250 0 ※ 216090	UTS6350 -HDZ16 -90	1	3.5 ~ 16.0	90	38 ~ 47	0 ~ 6	56	37	33	36	HDP-16	1.3			
1250 0 ※ 216120	-120	1	3.5 ~ 16.0	120	38 ~ 61	0 ~ 6	56	67	33	36	HDP-16	1.5	FDC-16	S-4L	L-4T
1250 0 ※ 216150	-150	1	3.5 ~ 16.0	150	38 ~ 61	0 ~ 6	56	97	33	36	HDP-16				
1250 0 ※ 222120	UTS6350 -HDZ22 -120	2	3.5 ~ 22.0	120	47 ~ 62	0 ~ 8	69	58	33	46	HDP-22	2.0	FDC-22	S-5L	L-5T
1250 0 ※ 222150	-150	2	3.5 ~ 22.0	150	47 ~ 92	0 ~ 8	69	88	33	46	HDP-22				

Unit : Metric

Code	Model	Type	d	L	ℓ	B	D	L1	L0	D1	Nut	kg	Collet	Spanner	Wrench
1250 0 ※ 307075	UTS10080 -HDZ07 -75	1	0.5 ~ 7.0	75	22 ~ 26	0 ~ 4	41	25	—	23	HDP-07A				
1250 0 ※ 307090	-90	1	0.5 ~ 7.0	90	22 ~ 45	0 ~ 4	41	40	—	23	HDP-07A		FDC-07	S-0	L-3T
1250 0 ※ 307120	-120	1	0.5 ~ 7.0	120	22 ~ 45	0 ~ 4	41	70	—	23	HDP-07A				
1250 0 ※ 309075	UTS10080 -HDZ09 -75	1	2.5 ~ 9.0	75	27	0 ~ 4	45	25	—	26	HDP-09				
1250 0 ※ 309090	-90	1	2.5 ~ 9.0	90	27 ~ 47	0 ~ 4	45	40	—	26	HDP-09		FDC-09	S-1L	L-3T
1250 0 ※ 309120	-120	1	2.5 ~ 9.0	120	27 ~ 57	0 ~ 4	45	70	—	26	HDP-09				
1250 0 ※ 312090	UTS10080 -HDZ12 -90	1	2.5 ~ 12.0	90	33 ~ 41	0 ~ 5	56	36	—	32	HDP-12				
1250 0 ※ 312120	-120	1	2.5 ~ 12.0	120	33 ~ 59	0 ~ 5	56	66	—	32	HDP-12		FDC-12	S-3L	L-4T
1250 0 ※ 312150	-150	1	2.5 ~ 12.0	150	33 ~ 69	0 ~ 5	56	96	—	32	HDP-12				
1250 0 ※ 316090	UTS10080 -HDZ16 -90	1	3.5 ~ 16.0	90	38 ~ 41	0 ~ 6	62	36	—	36	HDP-16				
1250 0 ※ 316120	-120	1	3.5 ~ 16.0	120	38 ~ 59	0 ~ 6	62	66	—	36	HDP-16		FDC-16	S-4L	L-4T
1250 0 ※ 316150	-150	1	3.5 ~ 16.0	150	38 ~ 69	0 ~ 6	62	96	—	36	HDP-16				
1250 0 ※ 322090	UTS10080 -HDZ22 -90	1	3.5 ~ 22.0	90	56	0 ~ 8	76	32	—	46	HDP-22				
1250 0 ※ 322120	-120	1	3.5 ~ 22.0	120	47 ~ 58	0 ~ 8	76	62	—	46	HDP-22		FDC-22	S-5L	L-5T
1250 0 ※ 322150	-150	1	3.5 ~ 22.0	150	47 ~ 82	0 ~ 8	76	92	—	46	HDP-22				

When placing an order, please specify high or low pressure. For high pressure type, please add (-H) on end of the description.

- 1.Collet, spanner, hexagon head preset screw, preset screw for semi-dry processing are sold separately. Standard preset screw is included.
- 2.Refer to P.092 for minimum tool insertion length in case of using our coolant collets (OH,C or MS).
- 3.ℓ indicates dimension when using with a preset screw.
- 4.UTS5040 is available in high pressure only.
- 5.See P.499 for standard Tightening Torque.

<p>Collet P. 086 - 089</p> 	<p>Spanner P. 095</p> 	<p>Preset screw P. 094</p> 	<p>Adjustment wrench P. 095</p> 
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Ordering Example

Low pressure type
0 ~ 1.0MPa (UTS10080 : 0 ~ 2.0MPa)
UTS6350 - HDZ 12 - 90
Shank size Max. collet I.D. Projection length (L)

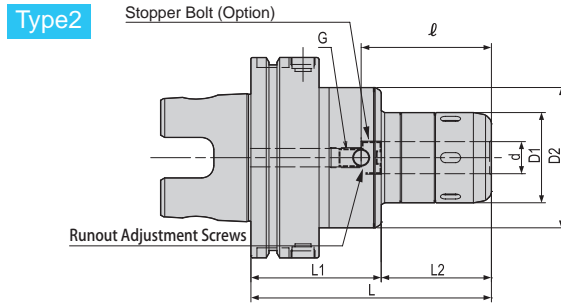
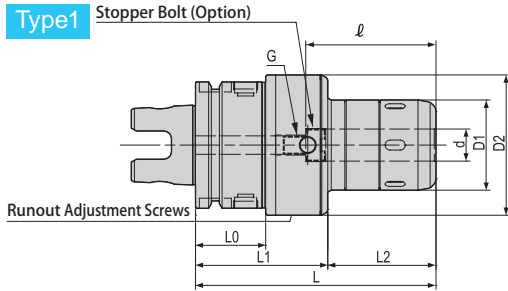
Ordering Example

High pressure type
1.1 ~ 7.0MPa (UTS10080 : 2.1 ~ 7.0MPa)
UTS6350 - HDZ 12 - 90 - H
Shank size Max. collet I.D. Projection length (L) High pressure type

CTZ

"R"Zero Holder for Large Diameter

● Runout of the cutting edge can be adjusted as close as to zero. Suitable for large diameter reaming.



Caution

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

Metric Sizes

Unit : Metric

Code	Model	Type	d	L	L1	L2	D1	D2	L0	ℓ	G P=1.0	Spanner	Wrench
17301 ※ 225135	UTS6350 -CTZ25A-135	1	25	135	64	71	61	74	35	80	10	HS-2.5-25	L-6L (Included)
17301 ※ 225150	-150	1	25	150	64	86	61	74	35	80	10		
17301 ※ 232135	UTS6350 -CTZ32A-135 * 1	1	32	135	64	71	68	80	35	105	10	HS-3-32	
17301 ※ 232150	-150 * 1	1	32	150	64	86	68	80	35	120	10		
17301 ※ 325135	UTS10080 -CTZ25A-135	2	25	135	64	71	61	74	—	80	10	HS-2.5-25	
17301 ※ 325150	-150	2	25	150	64	86	61	74	—	80	10		
17301 ※ 332135	UTS10080 -CTZ32A-135 * 1	2	32	135	64	71	68	80	—	100	10	HS-3-32	
17301 ※ 332150	-150 * 1	2	32	150	64	86	68	80	—	115	10		
17300 ※ 342135	UTS10080 -CTZ42 -135 * 2	2	42	135	65	70	88	99	—	100	10	HS-4-42	
17300 ※ 342150	-150 * 2	2	42	150	65	85	88	99	—	110	10		

When placing an order, please specify high or low pressure. For high pressure type, please add (–H) on end of the description.
 1. When ordering, indicate number of spanners required. "No charge" spanners are limited to number of holders on order.
 2. A wrench is included.
 3. For high pressure type, please add "H" after the model name.
 4. The model with " * 1" and " * 2" are not compatible with some accessories.
 For more information about the accessories, please refer below chart.

Spanner

P. 069



Accessories

Models with * 1 - * 2 cannot be used with some accessories due to short ℓ length.

	Stopper Bolt	Straight Collet		Morse Taper Adapter		Jacobs Adapter	
	BL (P.389)	MC (P.066)	MCA (P.067)	MA (P.068)	MAB (P.068)	JA (P.069)	JAB (P.069)
* 1	BL16 only	Yes	No	Yes	Yes	Yes	Yes
* 2	BL16 only	Yes	No	No	No	No	No

Ordering Example

Low pressure type

0 ~ 1.0MPa (UTS10080 : 0 ~ 2.0MPa)

UTS6350 - CTZ 32 A - 135

Shank size

I.D. (d)

Projection length (L)

Ordering Example

High pressure type

1.1 ~ 7.0MPa (UTS10080 : 2.1 ~ 7.0MPa)

UTS6350 - CTZ 32 A - 135 - H

Shank size

I.D. (d)

Projection length (L)

High pressure type

Min. chucking length

Direct Chucking (without MC Collet)

I.D. of Chuck	Min. chucking length
25,32,42	50

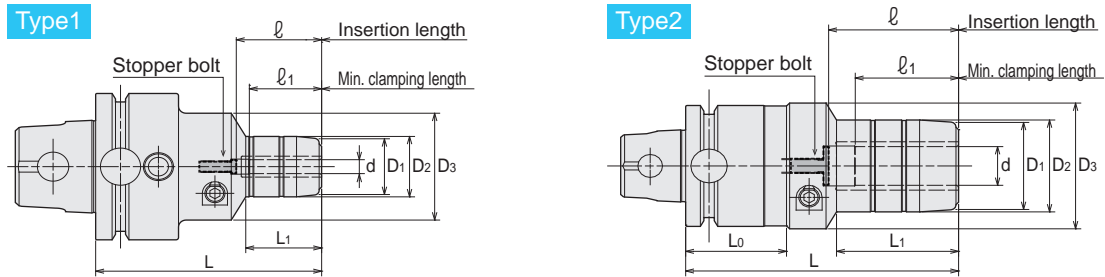
With MC Collet

Collet I.D.	Min. chucking length	
	MC	MC-C, MC-OH
6,8	30	30
10,12	40	40
16,20	45	45
25	50	50
32	50	60

PHC-A

Power Hydro Chuck

- Hydro chuck with collet holder flexibility. Suitable for high precision cutting.



For PHC04A, the stopper bolt is not included. Please order separately (Special item).

Metric Sizes

Unit : Metric

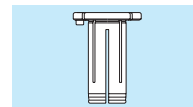
Code	Model	Type	d	L	L1	D1	D2	D3	L0	l	l1	Kg	Wrench (Option)
1390 11104075	UTS5040 -PHC04A -75-H	1	4	75	25.1	—	25	46	—	29	24		L-4T
1390 11106090	UTS5040 -PHC06A -90-H	1	6	90	30	24	26	46	—	34	29	1.0	
1390 11107090	UTS5040 -PHC07A -90-H	1	7	90	30	26	28	46	—	34	29	1.0	
1390 11108090	UTS5040 -PHC08A -90-H	1	8	90	30	26	28	46	—	34	29	1.0	
1390 11109105	UTS5040 -PHC09A -105-H	2	9	105	44	28	30	52	38	50	40	1.1	
1390 11110105	UTS5040 -PHC10A -105-H	2	10	105	44	28	30	52	38	50	40	1.1	
1390 11111105	UTS5040 -PHC11A -105-H	2	11	105	45	30	32	52	38	50	40	1.1	
1390 11112105	UTS5040 -PHC12A -105-H	2	12	105	45	30	32	52	38	50	40	1.1	
1390 11113105	UTS5040 -PHC13A -105-H	2	13	105	46	34	36	52	38	50	40	1.2	
1390 11114105	UTS5040 -PHC14A -105-H	2	14	105	46	34	36	52	38	50	40	1.2	
1390 11115105	UTS5040 -PHC15A -105-H	2	15	105	46	36	38	52	38	50	40	1.2	
1390 11116105	UTS5040 -PHC16A -105-H	2	16	105	46	36	38	52	38	50	40	1.2	
1390 1120105	UTS5040 -PHC20A -105-H	1	20	105	49	40	42	46	—	50	40	1.2	
1390 1※204080	UTS6350 -PHC04A -80	1	4	80	25.1	—	25	46	—	29	24		
1390 1※206090	UTS6350 -PHC06A -90	1	6	90	30	24	26	46	—	34	29	1.3	
1390 1※207090	UTS6350 -PHC07A -90	1	7	90	30	26	28	46	—	34	29		
1390 1※208090	UTS6350 -PHC08A -90	1	8	90	30	26	28	46	—	34	29		
1390 1※209105	UTS6350 -PHC09A -105	1	9	105	44	28	30	52	—	50	40	1.5	
1390 1※210105	UTS6350 -PHC10A -105	1	10	105	44	28	30	52	—	50	40	1.5	
1390 1※211105	UTS6350 -PHC11A -105	1	11	105	45	30	32	52	—	50	40		
1390 1※212105	UTS6350 -PHC12A -105	1	12	105	45	30	32	52	—	50	40	1.5	
1390 1※213105	UTS6350 -PHC13A -105	1	13	105	46	34	36	52	—	50	40		
1390 1※214105	UTS6350 -PHC14A -105	1	14	105	46	34	36	52	—	50	40	1.5	
1390 1※215105	UTS6350 -PHC15A -105	1	15	105	46	36	38	52	—	50	40		
1390 1※216105	UTS6350 -PHC16A -105	1	16	105	46	36	38	52	—	50	40	1.6	
1390 1※220105	UTS6350 -PHC20A -105	1	20	105	49	40	42	46	—	50	40	1.5	
1390 1※225120	UTS6350 -PHC25A -120	1	25	120	59	50	52	59	—	60	50	2.1	L-6T

When placing an order, please specify high or low pressure.
For high pressure type, please add (-H) on end of the description.

- Cutting tool shank must be within tolerances specified below ;
Shank diameter less than 6mm : Within h6 tolerance
Shank diameter 6mm and over : Within h7 tolerance
h6 or 0/-0.01 tolerance is recommended when newly making a cutting tool.
- Do not leave the holder with actuating screw tightened when the chuck is empty.
- PHC12A and PHC20A have pin holes for collet with stopper pin on its body.
- UTS5040 is available in high pressure only.
- For PHC04A, the stopper bolt is not included. Please order separately (Special item).

PHS Collet

P.110



Hex. wrench

P.095



Tightening torque (Torque wrench : p.498)

model	I.D. (d)	Tightening torque (Nm)
	mm	
PHC-A	06 ~ 08	11 ~ 12
PHC-A	09 ~ 20	7 ~ 8
PHC-A	25, 32	29 ~ 30

Ordering Example

Low pressure type

0 ~ 1.0MPa (UTS10080 : 0 ~ 2.0MPa)

UTS6350 - PHC 12 A - 105
Shank size I.D. (d) Projection length (L)

Ordering Example

High pressure type

1.1 ~ 7.0MPa (UTS10080 : 2.1 ~ 7.0MPa)

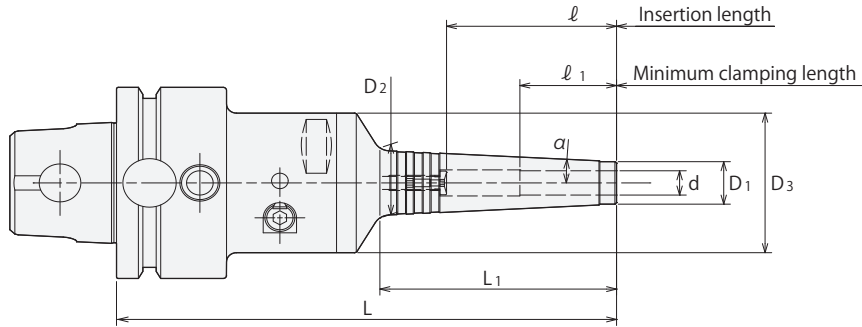
UTS6350 - PHC 12 A - 105 - H
Shank size I.D. (d) Projection length (L) High pressure type

MEMO

PHC · S New

Slim Hydro Chuck

- Perfect choice for tight space applications, such as endmill finishing, drilling and reaming on 5-axis machines.



BT
CAT
AHO
HSK-A/E/F/C
HSK-T
UTS
Specialized Machine
Related Equipment
Bush & Chamfering Drill

Milling Chuck

Collet Holder

"R" Zero Holder

Hydraulic Chuck

Shrink Fit

Tapping Chuck

Arbors

Metric Sizes Unit : Metric

Code	Model	d	L	L1	D1	D2	D3	l	l1	α	Kg	Wrench(Optional)
1490 01106150	UTS5040 -PHC06S -150 -H	6	150	71	13	20.5	46	37	29	3°	1.2	L-4T
1490 01106165	-165 -H	6	165	87	13	22.2	46	37	29	3°	1.2	
1490 01106180	-180 -H	6	180	102	13	23.7	46	37	29	3°	1.3	
1490 01107150	UTS5040 -PHC07S -150 -H	7	150	71	14	21.5	46	37	29	3°	1.2	
1490 01107165	-165 -H	7	165	87	14	23.2	46	37	29	3°	1.2	
1490 01107180	-180 -H	7	180	102	14	24.7	46	37	29	3°	1.3	
1490 01108150	UTS5040 -PHC08S -150 -H	8	150	72	15	22.6	46	50	29	3°	1.2	
1490 01108165	-165 -H	8	165	87	15	24.2	46	50	29	3°	1.2	
1490 01108180	-180 -H	8	180	103	15	25.8	46	50	29	3°	1.3	
1490 01109150	UTS5040 -PHC09S -150 -H	9	150	72	16	23.6	46	50	40	3°	1.2	
1490 01109165	-165 -H	9	165	87	16	25.2	46	50	40	3°	1.3	
1490 01109180	-180 -H	9	180	103	16	26.8	46	50	40	3°	1.3	
1490 01110150	UTS5040 -PHC10S -150 -H	10	150	72	17	24.6	46	50	40	3°	1.2	
1490 01110165	-165 -H	10	165	88	17	26.3	46	50	40	3°	1.3	
1490 01110180	-180 -H	10	180	103	17	27.8	46	50	40	3°	1.3	
1490 01111150	UTS5040 -PHC11S -150 -H	11	150	73	18	25.7	46	50	40	3°	1.2	
1490 01111165	-165 -H	11	165	88	18	27.3	46	50	40	3°	1.3	
1490 01111180	-180 -H	11	180	104	18	29.0	46	50	40	3°	1.4	
1490 01112150	UTS5040 -PHC12S -150 -H	12	150	73	19	26.7	46	70	40	3°	1.2	
1490 01112165	-165 -H	12	165	88	19	28.3	46	70	40	3°	1.3	
1490 01112180	-180 -H	12	180	104	19	30.0	46	70	40	3°	1.4	

When placing an order, please specify high or low pressure.
For high pressure type, please add (-H) on end of the description.

1. Tool shank diameter tolerance must be within h6.
2. Do not leave the holder with actuating screw tightened when the chuck is empty.
3. UTS5040 is available in high pressure only.

Tightening torque (Torque wrench : p.498)

model	I.D. (d)	Tightening torque (Nm)
	mm	
PHC·S	06 ~ 12, 16	9 ~ 10
PHC·S	20 ~ 25	23 ~ 24

Ordering Example

Low pressure type

0 ~ 1.0MPa (UTS10080 : 0 ~ 2.0MPa)

UTS5040 - PHC 12 S - 150

Shank size

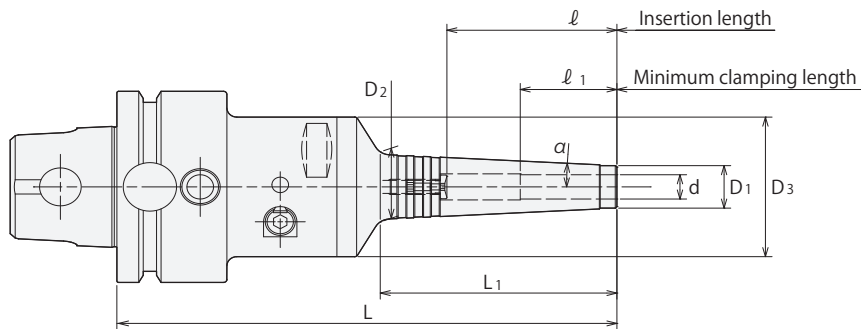
I.D. (d)

Projection length (L)

Hex. wrench

P. 095





Metric Sizes

Unit : Metric

Code	Model	d	L	L1	D1	D2	D3	l	l 1	a	Kg	Wrench(Optional)
1490 0 ※ 206150	UTS6350 -PHC06S -150	6	150	71	13	20.5	46	37	29	3°	1.5	L-4T
1490 0 ※ 206165	-165	6	165	87	13	22.2	46	37	29	3°	1.6	
1490 0 ※ 206180	-180	6	180	102	13	23.7	46	37	29	3°	1.6	
1490 0 ※ 206195	-195	6	195	118	13	25.4	46	37	29	3°	1.7	
1490 0 ※ 207150	UTS6350 -PHC07S -150	7	150	71	14	21.5	46	37	29	3°	1.5	
1490 0 ※ 207165	-165	7	165	87	14	23.2	46	37	29	3°	1.6	
1490 0 ※ 207180	-180	7	180	102	14	24.7	46	37	29	3°	1.6	
1490 0 ※ 207195	-195	7	195	118	14	26.4	46	37	29	3°	1.7	
1490 0 ※ 208150	UTS6350 -PHC08S -150	8	150	72	15	22.6	46	50	29	3°	1.5	
1490 0 ※ 208165	-165	8	165	87	15	24.2	46	50	29	3°	1.6	
1490 0 ※ 208180	-180	8	180	103	15	25.8	46	50	29	3°	1.6	
1490 0 ※ 208195	-195	8	195	118	15	27.4	46	50	29	3°	1.7	
1490 0 ※ 209150	UTS6350 -PHC09S -150	9	150	72	16	23.6	46	50	40	3°	1.5	
1490 0 ※ 209165	-165	9	165	87	16	25.2	46	50	40	3°	1.6	
1490 0 ※ 209180	-180	9	180	103	16	26.8	46	50	40	3°	1.7	
1490 0 ※ 209195	-195	9	195	118	16	28.4	46	50	40	3°	1.7	
1490 0 ※ 210150	UTS6350 -PHC10S -150	10	150	72	17	24.6	46	50	40	3°	1.6	
1490 0 ※ 210165	-165	10	165	88	17	26.3	46	50	40	3°	1.6	
1490 0 ※ 210180	-180	10	180	103	17	27.8	46	50	40	3°	1.7	
1490 0 ※ 210195	-195	10	195	119	17	29.5	46	50	40	3°	1.7	
1490 0 ※ 211150	UTS6350 -PHC11S -150	11	150	73	18	25.7	46	50	40	3°	1.6	
1490 0 ※ 211165	-165	11	165	88	18	27.3	46	50	40	3°	1.6	
1490 0 ※ 211180	-180	11	180	104	18	29.0	46	50	40	3°	1.7	
1490 0 ※ 211195	-195	11	195	119	18	30.5	46	50	40	3°	1.8	
1490 0 ※ 212150	UTS6350 -PHC12S -150	12	150	73	19	26.7	46	70	40	3°	1.6	
1490 0 ※ 212165	-165	12	165	88	19	28.3	46	70	40	3°	1.6	
1490 0 ※ 212180	-180	12	180	104	19	30.0	46	70	40	3°	1.7	
1490 0 ※ 212195	-195	12	195	119	19	31.5	46	70	40	3°	1.8	
1490 0 ※ 216150	UTS6350 -PHC16S -150	16	150	72	23	30.6	52.5	75	40	3°		
1490 0 ※ 216180	-180	16	180	103	23	33.8	52.5	80	40	3°		
1490 0 ※ 216195	-195	16	195	119	23	35.5	52.5	80	40	3°		
1490 0 ※ 220150	UTS6350 -PHC20S -150	20	150	63	28	34.7	62	70	40	3°	L-6T	
1490 0 ※ 220180	-180	20	180	93	28	37.8	62	100	40	3°		
1490 0 ※ 220195	-195	20	195	109	28	39.5	62	100	40	3°		
1490 0 ※ 225150	UTS6350 -PHC25S -150	25	150	65	37	43.9	62	70	50	3°		
1490 0 ※ 225180	-180	25	180	96	37	47.1	62	100	50	3°		
1490 0 ※ 225195	-195	25	195	112	37	48.8	62	110	50	3°		

When placing an order, please specify high or low pressure.
For high pressure type, please add (-H) on end of the description.

1. Tool shank diameter tolerance must be within h6.
2. Do not leave the holder with actuating screw tightened when the chuck is empty.

Tightening torque (Torque wrench : p.498)

model	I.D. (d)	Tightening torque (Nm)
	mm	
PHC-S	06 ~ 12, 16	9 ~ 10
PHC-S	20 ~ 25	23 ~ 24

Ordering Example

Low pressure type

0 ~ 1.0MPa (UTS10080 : 0 ~ 2.0MPa)

UTS6350 - PHC 12 S - 150
Shank size I.D. (d) Projection length (L)

Ordering Example

High pressure type

1.1 ~ 7.0MPa (UTS10080 : 2.1 ~ 7.0MPa)

UTS6350 - PHC 12 S - 150 - H
Shank size I.D. (d) Projection length (L) High pressure type

Hex. wrench

P. 095

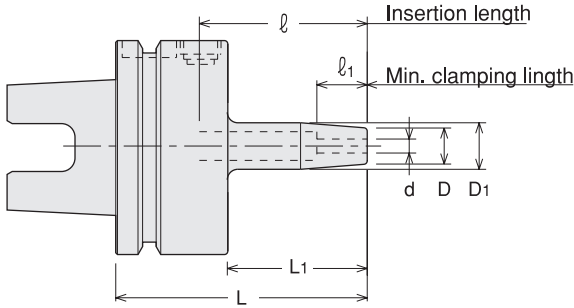


SRE

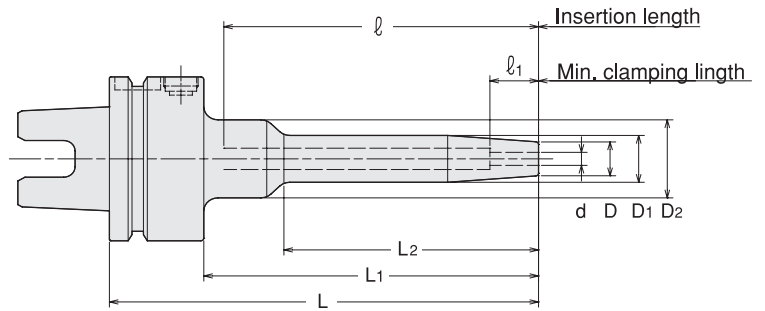
Shrink Fit (Small Diameter Type)

● Shrinkage method sets a cutting tool firmly by heating and cooling the chuck. High precision and strong chucking. (Small diameter type)

Type1



Type2



Metric Sizes

Unit : Metric

Code	Model	Type	d	L	L1	L2	D	D1	D2	l ₁	l
1300 51103060	UTS5040 -SRE3A -60-H	1	3	60	30	-	11.5	14.5	-	13	47
1300 51103090	-90-H	1	3	90	60	-	11.5	16.5	-	13	77
1300 51103120	-120-H	1	3	120	90	-	11.5	16.5	-	13	107
1300 51104060	UTS5040 -SRE4A -60-H	1	4	60	30	-	11.5	14.5	-	16	47
1300 51104090	-90-H	1	4	90	60	-	11.5	16.5	-	16	77
1300 51104120	-120-H	1	4	120	90	-	11.5	16.5	-	16	107
1300 51105060	UTS5040 -SRE5A -60-H	1	5	60	30	-	13	16	-	19	47
1300 51105090	-90-H	1	5	90	60	-	13	18	-	19	77
1300 51105120	-120-H	1	5	120	90	-	13	18	-	19	107
1300 51106060	UTS5040 -SRE6A -60-H	1	6	60	30	-	13	16	-	27	47
1300 51106090	-90-H	1	6	90	60	-	13	18	-	27	77
1300 51106120	-120-H	1	6	120	90	-	13	18	-	27	107
1300 51108060	UTS5040 -SRE8A -60-H	1	8	60	30	-	13	16	-	27	47
1300 51108090	-90-H	1	8	90	60	-	13	18	-	27	77
1300 51108120	-120-H	1	8	120	90	-	13	18	-	27	107
1300 5 ※ 203060	UTS6350 -SRE3A -60	1	3	60	27	-	11.5	14.5	-	13	47
1300 5 ※ 203090	-90	1	3	90	57	-	11.5	16.5	-	13	77
1300 5 ※ 203120	-120	1	3	120	87	-	11.5	16.5	-	13	107
1300 5 ※ 203150	-150	2	3	150	117	89	11.5	16.5	30	13	137
1300 5 ※ 204060	UTS6350 -SRE4A -60	1	4	60	27	-	11.5	14.5	-	16	47
1300 5 ※ 204090	-90	1	4	90	57	-	11.5	16.5	-	16	77
1300 5 ※ 204120	-120	1	4	120	87	-	11.5	16.5	-	16	107
1300 5 ※ 204150	-150	2	4	150	117	89	11.5	16.5	30	16	137
1300 5 ※ 205060	UTS6350 -SRE5A -60	1	5	60	27	-	13	16	-	19	47
1300 5 ※ 205090	-90	1	5	90	57	-	13	18	-	19	77
1300 5 ※ 205120	-120	1	5	120	87	-	13	18	-	19	107
1300 5 ※ 205150	-150	2	5	150	117	89	13	18	30	19	137
1300 5 ※ 206060	UTS6350 -SRE6A -60	1	6	60	27	-	13	16	-	19	47
1300 5 ※ 206090	-90	1	6	90	57	-	13	18	-	27	77
1300 5 ※ 206120	-120	1	6	120	87	-	13	18	-	27	107
1300 5 ※ 206150	-150	2	6	150	117	89	13	18	30	27	137
1300 5 ※ 208060	UTS6350 -SRE8A -60	1	8	60	27	-	13	16	-	19	47
1300 5 ※ 208090	-90	1	8	90	57	-	13	18	-	27	77
1300 5 ※ 208120	-120	1	8	120	87	-	13	18	-	27	107
1300 5 ※ 208150	-150	2	8	150	117	89	13	18	30	27	137

Metric Sizes											Unit : Metric	
Code	Model	Type	d	L	L1	L2	D	D1	D2	ℓ1	ℓ	
1300 5 ※ 303090	UTS10080 -SRE3A -90	1	3	90	56	-	11.5	16.5	-	13	77	
1300 5 ※ 303120	-120	1	3	120	86	-	11.5	16.5	-	13	107	
1300 5 ※ 303135	-135	2	3	135	101	59	11.5	16.5	30	13	122	
1300 5 ※ 303165	-165	2	3	165	131	89	11.5	16.5	30	13	152	
1300 5 ※ 304090	UTS10080 -SRE4A -90	1	4	90	56	-	11.5	16.5	-	16	77	
1300 5 ※ 304120	-120	1	4	120	86	-	11.5	16.5	-	16	107	
1300 5 ※ 304135	-135	2	4	135	101	59	11.5	16.5	30	16	122	
1300 5 ※ 304165	-165	2	4	165	131	89	11.5	16.5	30	16	152	
1300 5 ※ 305090	UTS10080 -SRE5A -90	1	5	90	56	-	13	18	-	19	77	
1300 5 ※ 305120	-120	1	5	120	86	-	13	18	-	19	107	
1300 5 ※ 305135	-135	2	5	135	101	59	13	18	30	19	122	
1300 5 ※ 305165	-165	2	5	165	131	89	13	18	30	19	152	
1300 5 ※ 306090	UTS10080 -SRE6A -90	1	6	90	56	-	13	18	-	27	77	
1300 5 ※ 306120	-120	1	6	120	86	-	13	18	-	27	107	
1300 5 ※ 306135	-135	2	6	135	101	59	13	18	30	27	122	
1300 5 ※ 306165	-165	2	6	165	131	89	13	18	30	27	152	
1300 5 ※ 308090	UTS10080 -SRE8A -90	1	8	90	56	-	13	18	-	27	77	
1300 5 ※ 308120	-120	1	8	120	86	-	13	18	-	27	107	
1300 5 ※ 308135	-135	2	8	135	101	59	13	18	30	27	122	
1300 5 ※ 308165	-165	2	8	165	131	89	13	18	30	27	152	

When placing an order, please specify high or low pressure. For high pressure type, please add (-H) on end of the description.

1. Always use carbide shank tools with h6 tolerance.
2. UTS5040 is available in high pressure only.
3. Center through coolant is not possible with SRE3A and SRE4A.

Heating device chart		
heating device	chuck	
	L1 ≤ 60mm	L1 > 60mm
ISG3400	Yes *	Yes
SRK-HA1, HB2	No	No

*Special induction coil is needed. Refer to P.500-501.

Ordering Example

Low pressure type
 0 ~ 1.0MPa (UTS10080 : 0 ~ 2.0MPa)
UTS6350 - SRE 6 A - 90
Shank size I.D. (d) Projection length (L)

Ordering Example

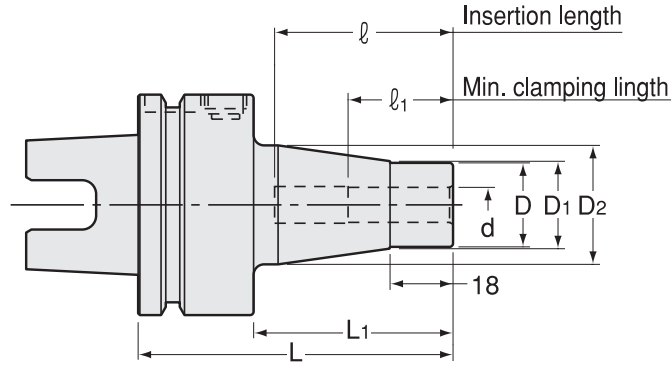
High pressure type
 1.1 ~ 7.0MPa (UTS10080 : 2.1 ~ 7.0MPa)
UTS6350 - SRE 6 A - 90 - H
Shank size I.D. (d) Projection length (L) High pressure type



SRK

Shrink Fit (Heavy Type)

● Shrinkage method sets a cutting tool firmly by heating and cooling the chuck. High precision, rigidity and strong chucking. (Heavy Type)



Metric Sizes											Unit : Metric
Code	Model			d	L	L1	D	D1	D2	l1	l
1300 01106090	UTS5040	-SRK 6A	-90-H	6	90	60	16	17	30	26	26 ~ 36
1300 01108090	UTS5040	-SRK 8A	-90-H	8	90	60	19	20	32	26	26 ~ 50
1300 01110085	UTS5040	-SRK10A	-85-H	10	85	55	24	25	34	32	32 ~ 50
1300 01112090	UTS5040	-SRK12A	-90-H	12	90	60	28	29	34	37	37 ~ 65
1300 01116095	UTS5040	-SRK16A	-95-H	16	95	65	32	33	34	40	40 ~ 70
1300 01120100	UTS5040	-SRK20A	-100-H	20	100	70	36	37	42	42	42 ~ 75
1300 0 ※ 206090	UTS6350	-SRK 6A	-90	6	90	57	16	17	30	26	26 ~ 36
1300 0 ※ 208090	UTS6350	-SRK 8A	-90	8	90	57	19	20	32	26	26 ~ 50
1300 0 ※ 210085	UTS6350	-SRK10A	-85	10	85	52	24	25	34	32	32 ~ 50
1300 0 ※ 212090	UTS6350	-SRK12A	-90	12	90	57	28	29	34	37	37 ~ 63
1300 0 ※ 216095	UTS6350	-SRK16A	-95	16	95	62	32	33	34	40	40 ~ 65
1300 0 ※ 220100	UTS6350	-SRK20A	-100	20	100	67	36	37	42	42	42 ~ 72
1300 0 ※ 225115	UTS6350	-SRK25A	-115	25	115	82	46	47	53	48	48 ~ 89
1300 0 ※ 306090	UTS10080	-SRK 6A	-90	6	90	56	16	17	30	26	26 ~ 36
1300 0 ※ 308090	UTS10080	-SRK 8A	-90	8	90	56	19	20	32	26	26 ~ 50
1300 0 ※ 310090	UTS10080	-SRK10A	-90	10	90	56	24	25	34	32	32 ~ 50
1300 0 ※ 312095	UTS10080	-SRK12A	-95	12	95	61	28	29	34	37	37 ~ 62
1300 0 ※ 316100	UTS10080	-SRK16A	-100	16	100	66	32	33	34	40	40 ~ 65
1300 0 ※ 320105	UTS10080	-SRK20A	-105	20	105	71	36	37	42	42	42 ~ 70
1300 0 ※ 325115	UTS10080	-SRK25A	-115	25	115	81	46	47	53	48	48 ~ 80
1300 0 ※ 332120	UTS10080	-SRK32A	-120	32	120	86	56	57	70	51	51 ~ 85

When placing an order, please specify high or low pressure. For high pressure type, please add (-H) on end of the description.

- 1.Always use carbide shank tools with h6 tolerance.
- 2.UTS5040 is available in high pressure only.

Heating device chart		
heating device	chuck	
	SRK6A, SRK8A	SRK10A~SRK32A
ISG3400	Yes	Yes *
SRK-HA1, HB2	No	Yes

*Special induction coil is needed. Refer to P.500-501.

Ordering Example

Low pressure type

0 ~ 1.0MPa (UTS10080 : 0 ~ 2.0MPa)

UTS6350 - SRK 10 A - 85
 Shank size I.D. (d) Projection length (L)

Ordering Example

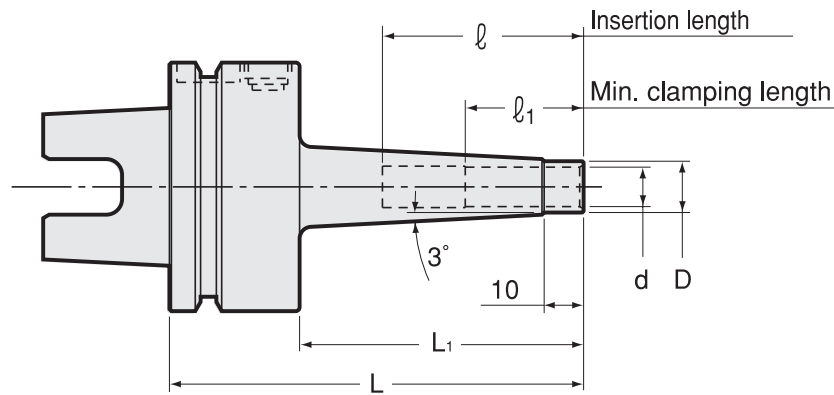
High pressure type

1.1 ~ 7.0MPa (UTS10080 : 2.1 ~ 7.0MPa)

UTS6350 - SRK 10 A - 85 - H
 Shank size I.D. (d) Projection length (L) High pressure type

Shrink Fit (Slim Type)

- Shrinkage method sets a cutting tool firmly by heating and cooling the chuck. High precision and strong chucking. (Slim Type)



Metric Sizes

Unit : Metric

Code	Model	d	L	L1	D	l1	l
1300 31106090	UTS5040 -SRS6A -90-H	6	90	60	9	26	26 ~ 36
1300 31106120	-120-H	6	120	90	9	26	26 ~ 36
1300 31108090	UTS5040 -SRS8A -90-H	8	90	60	11	26	26 ~ 50
1300 31108120	-120-H	8	120	90	11	26	26 ~ 50
1300 31110105	UTS5040 -SRS10A -105-H	10	105	75	13	32	32 ~ 50
1300 31110135	-135-H	10	135	105	13	32	32 ~ 50
1300 31112105	UTS5040 -SRS12A -105-H	12	105	75	15	37	37 ~ 65
1300 31112135	-135-H	12	135	105	15	37	37 ~ 70
1300 31116105	UTS5040 -SRS16A -105-H	16	105	75	20	40	40 ~ 80
1300 31116135	-135-H	16	135	105	20	40	40 ~ 80
1300 31120105	UTS5040 -SRS20A -105-H	20	105	75	26	42	42 ~ 80
1300 31120135	-135-H	20	135	105	26	42	42 ~ 100
1300 3 ※ 206105	UTS6350 -SRS6A -105	6	105	72	9	26	26 ~ 36
1300 3 ※ 206135	-135	6	135	102	9	26	26 ~ 36
1300 3 ※ 206165	-165	6	165	132	9	26	26 ~ 36
1300 3 ※ 208105	UTS6350 -SRS8A -105	8	105	72	11	26	26 ~ 50
1300 3 ※ 208135	-135	8	135	102	11	26	26 ~ 50
1300 3 ※ 208165	-165	8	165	132	11	26	26 ~ 50
1300 3 ※ 210105	UTS6350 -SRS10A -105	10	105	72	13	32	32 ~ 50
1300 3 ※ 210135	-135	10	135	102	13	32	32 ~ 50
1300 3 ※ 210165	-165	10	165	132	13	32	32 ~ 50
1300 3 ※ 212105	UTS6350 -SRS12A -105	12	105	72	15	37	32 ~ 70
1300 3 ※ 212135	-135	12	135	102	15	37	32 ~ 70
1300 3 ※ 212165	-165	12	165	132	15	37	32 ~ 70
1300 3 ※ 216105	UTS6350 -SRS16A -105	16	105	72	20	40	40 ~ 75
1300 3 ※ 216135	-135	16	135	102	20	40	40 ~ 80
1300 3 ※ 216165	-165	16	165	132	20	40	40 ~ 80
1300 3 ※ 220105	UTS6350 -SRS20A -105	20	105	72	26	42	42 ~ 75
1300 3 ※ 220135	-135	20	135	102	26	42	42 ~ 100
1300 3 ※ 220165	-165	20	165	132	26	42	42 ~ 100
1300 3 ※ 306105	UTS10080 -SRS6A -105	6	105	71	9	26	26 ~ 36
1300 3 ※ 306135	-135	6	135	101	9	26	26 ~ 36
1300 3 ※ 306165	-165	6	165	131	9	26	26 ~ 36
1300 3 ※ 308105	UTS10080 -SRS8A -105	8	105	71	11	26	26 ~ 50
1300 3 ※ 308135	-135	8	135	101	11	26	26 ~ 50
1300 3 ※ 308165	-165	8	165	131	11	26	26 ~ 50
1300 3 ※ 310105	UTS10080 -SRS10A -105	10	105	71	13	32	32 ~ 50
1300 3 ※ 310135	-135	10	135	101	13	32	32 ~ 50
1300 3 ※ 310165	-165	10	165	131	13	32	32 ~ 50
1300 3 ※ 310195	-195	10	195	161	13	32	32 ~ 50

Metric Sizes

Unit : Metric

Code	Model	d	L	L1	D	ℓ1	ℓ
1300 3 ※ 312105	UTS10080 -SRS12A -105	12	105	71	15	37	37 ~ 70
1300 3 ※ 312135	-135	12	135	101	15	37	37 ~ 70
1300 3 ※ 312165	-165	12	165	131	15	37	37 ~ 70
1300 3 ※ 312195	-195	12	195	161	15	37	37 ~ 70
1300 3 ※ 316105	UTS10080 -SRS16A -105	16	105	71	20	40	40 ~ 70
1300 3 ※ 316135	-135	16	135	101	20	40	42 ~ 80
1300 3 ※ 316165	-165	16	165	131	20	40	42 ~ 80
1300 3 ※ 316195	-195	16	195	161	20	40	42 ~ 80
1300 3 ※ 320105	UTS10080 -SRS20A -105	20	105	71	26	42	42 ~ 70
1300 3 ※ 320135	-135	20	135	101	26	42	42 ~ 100
1300 3 ※ 320165	-165	20	165	131	26	42	42 ~ 100
1300 3 ※ 320195	-195	20	195	161	26	42	42 ~ 100

When placing an order, please specify high or low pressure. For high pressure type, please add (-H) on end of the description.

1. Always use carbide shank tools with h6 tolerance.
2. UTS5040 is available in high pressure only.

Heating device chart

heating device	chuck	
	SRS0250A, SRS0312A SRS6A, SRS8A	SRS0375A~SRS0750A SRS10A~SRS20A
ISG3400	Yes	Yes
SRK-HA1, HB2	No	Yes

Ordering Example

Low pressure type

0 ~ 1.0MPa (UTS10080 : 0 ~ 2.0MPa)

UTS6350 - SRS 10 A - 105
Shank size I.D. (d) Projection length (L)

Ordering Example

High pressure type

1.1 ~ 7.0MPa (UTS10080 : 2.1 ~ 7.0MPa)

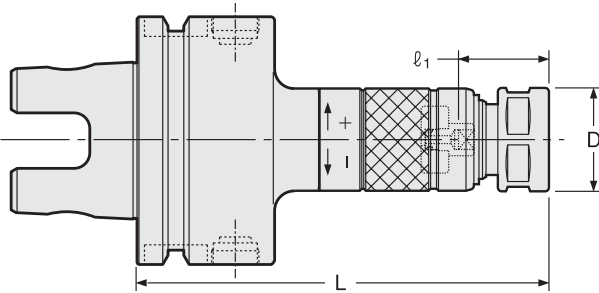
UTS6350 - SRS 10 A - 105 - H
Shank size I.D. (d) Projection length (L) High pressure type

MEMO

STM

Synchronous Tap Holder With Easy Tool Length Adjustment

● Projection length of the cutting tool can be adjusted by simply turning circumference of the holder.



⚠ For capable tap sizes, please refer to P.462-464 chart.

(NOTE) Nut O.D. of STM8 is 19mm.

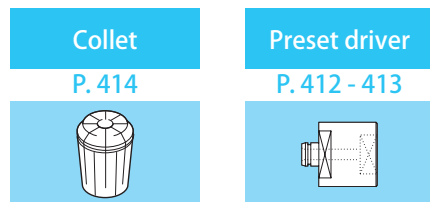
STM Holder + **Collet** + **STS Driver**

Unit : Metric

Code	Model	Tap Size	L	D	Nut	kg	Collet	Preset Driver	Spanner
1370 00400090	UTS5040 -STM8 -90H	Old JIS Taps	90	21	KDP-1414				
1370 00400105	-105H	M4 ~ 8 U No8 ~ 5/16	105	21	KDP-1414		FDC-07	STS-8	Flat 17mm width
1370 00400120	-120H	OSG Synchro Taps M4 ~ 6	120	21	KDP-1414				
1370 10400090	UTS5040 -STM12 -90H	Old JIS Taps	90	26	HTP-09				
1370 10400105	-105H	M4 ~ 12 U No8 ~ 7/16 PT1/8	105	26	HTP-09		FSC-09	STS-12	S-1L
1370 10400120	-120H	OSG Synchro Taps M4 ~ 10	120	26	HTP-09				
1370 30400105	UTS5040 -STM18 -105H	Old JIS Taps	105	36	HTP-16				
1370 30400120	-120H	M14 ~ 18 U1/2 ~ 3/4 PT1/4 ~ 3/8	120	36	HTP-16		FSC-16	STS-18	S-4L
1370 30400135	-135H	OSG Synchro Taps M12 ~ 14	135	36	HTP-16				
1370 30400150	-150H	M12 ~ 14	150	36	HTP-16				
1370 40400120	UTS5040 -STM30 -120H	Old JIS Taps	120	46	HTP-22				
1370 40400135	-135H	M20 ~ 30 U7/8 ~ 1-1/8 PT1/2 ~ 3/4	135	46	HTP-22		FSC-22	STS-30	S-5L
1370 40400150	-150H	OSG Synchro Taps M16 ~ 27	150	46	HTP-22				
1370 00 ※ 00090	UTS6350 -STM8 -90 ※	Old JIS Taps	90	21	KDP-1414				
1370 00 ※ 00105	-105	M4 ~ 8 U No8 ~ 5/16	105	21	KDP-1414		FDC-07	STS-8	Flat 17mm width
1370 00 ※ 00120	-120	OSG Synchro Taps M4 ~ 6	120	21	KDP-1414				
1370 00 ※ 00135	-135		135	21	KDP-1414				
1370 00 ※ 00150	-150		150	21	KDP-1414				
1370 10 ※ 00090	UTS6350 -STM12 -90 ※	Old JIS Taps	90	26	HTP-09	1.1			
1370 10 ※ 00105	-105	M4 ~ 12 U No8 ~ 7/16 PT1/8	105	26	HTP-09		FSC-09	STS-12	S-1L
1370 10 ※ 00120	-120	OSG Synchro Taps M4 ~ 10	120	26	HTP-09				
1370 10 ※ 00135	-135		135	26	HTP-09				
1370 10 ※ 00150	-150		150	26	HTP-09				
1370 10 ※ 00180	-180		180	26	HTP-09				
1370 30 ※ 00105	UTS6350 -STM18 -105	Old JIS Taps	105	36	HTP-16	1.2			
1370 30 ※ 00120	-120	M14 ~ 18 U1/2 ~ 3/4 PT1/4 ~ 3/8	120	36	HTP-16		FSC-16	STS-18	S-4L
1370 30 ※ 00135	-135	OSG Synchro Taps M12 ~ 14	135	36	HTP-16				
1370 30 ※ 00150	-150		150	36	HTP-16				
1370 30 ※ 00180	-180		180	36	HTP-16				
1370 40 ※ 00120	UTS6350 -STM30 -120	Old JIS Taps	120	46	HTP-22				
1370 40 ※ 00135	-135	M20 ~ 30 U7/8 ~ 1-1/8 PT1/2 ~ 3/4	135	46	HTP-22		FSC-22	STS-30	S-5L
1370 40 ※ 00150	-150	OSG Synchro Taps M16 ~ 27	150	46	HTP-22				
1370 40 ※ 00180	-180		180	46	HTP-22				
1370 00 ※ 00090	UTS10080 -STM8 -90 ※	Old JIS Taps	90	21	KDP-1414				
1370 00 ※ 00105	-105	M4 ~ 8 U No8 ~ 5/16	105	21	KDP-1414		FDC-07	STS-8	Flat 17mm width
1370 00 ※ 00120	-120	OSG Synchro Taps M4 ~ 6	120	21	KDP-1414				
1370 00 ※ 00135	-135		135	21	KDP-1414				
1370 00 ※ 00150	-150		150	21	KDP-1414				
1370 00 ※ 00165	-165		165	21	KDP-1414				
1370 10 ※ 00090	UTS10080 -STM12 -90 ※	Old JIS Taps	90	26	HTP-09				
1370 10 ※ 00105	-105	M4 ~ 12 U No8 ~ 7/16 PT1/8	105	26	HTP-09		FSC-09	STS-12	S-1L
1370 10 ※ 00120	-120	OSG Synchro Taps M4 ~ 10	120	26	HTP-09				
1370 10 ※ 00135	-135		135	26	HTP-09	2.8			
1370 10 ※ 00150	-150		150	26	HTP-09				
1370 10 ※ 00180	-180		180	26	HTP-09				
1370 30 ※ 00105	UTS10080 -STM18 -105	Old JIS Taps	105	36	HTP-16	2.7			
1370 30 ※ 00120	-120	M14 ~ 18 U1/2 ~ 3/4 PT1/4 ~ 3/8	120	36	HTP-16		FSC-16	STS-18	S-4L
1370 30 ※ 00135	-135	OSG Synchro Taps M12 ~ 14	135	36	HTP-16				
1370 30 ※ 00150	-150		150	36	HTP-16	3.0			
1370 30 ※ 00180	-180		180	36	HTP-16				
1370 40 ※ 00120	UTS10080 -STM30 -120	Old JIS Taps	120	46	HTP-22				
1370 40 ※ 00135	-135	M20 ~ 30 U7/8 ~ 1-1/8 PT1/2 ~ 3/4	135	46	HTP-22		FSC-22	STS-30	S-5L
1370 40 ※ 00150	-150	OSG Synchro Taps M16 ~ 27	150	46	HTP-22				
1370 40 ※ 00180	-180		180	46	HTP-22				
1370 40 ※ 00210	-210		210	46	HTP-22				

When placing an order, please specify high or low pressure. For high pressure type, please add (-H) on end of the description.

1. Collet, spanner and preset driver are sold separately.
2. Please see below for $\ell 1$ dimension.
3. Tap holes smaller than M4 can be made by STM8. Collets to be used are as follows.
M1-M2.6: FDC-03007- ※※ M3-M3.5: FDC-04007- ※※
Tap drive will not be used for the above usages.
4. UTS5040 is available in high pressure only.



Ordering Example

Low pressure type

0 ~ 1.0MPa (UTS10080 : 0 ~ 2.0MPa)

UTS6350 - STM 12 - 90
Shank size Holder size Projection length (L)

Ordering Example

High pressure type

1.1 ~ 7.0MPa (UTS10080 : 2.1 ~ 7.0MPa)

UTS6350 - STM 12 - 90 - H
Shank size Holder size Projection length (L) High pressure type

$\ell 1$ Dimension for STM

Old JIS Taps

Without center-through coolant		
Tap Size	$\ell 1$	$\ell 1(*)$
M4 ~ 6 U No.8 ~ 1/4	21 ~ 35	21 ~ 26
M7 ~ 12 U 5/16 ~ U7/16 PT1/8	23 ~ 37	23 ~ 28
M13 ~ 15 U 1/2 ~ 5/8 PT1/4	28 ~ 42	-
M16 ~ 17	32 ~ 45	-
M18 ~ 27 U 3/4 ~ U1 PT3/8 ~ 5/8	33 ~ 47	-
M30 U1-1/8 PT3/4	38 ~ 52	-
With center-through coolant (STM8)		
Tap Size	$\ell 1$	$\ell 1(*)$
M4 ~ 6 U No.8 ~ 1/4	25 ~ 35	25 ~ 26
M7 ~ 8 U5/16	26 ~ 37	26 ~ 28
With center-through coolant (STM12 ~ 30)		
Tap Size	$\ell 1$	$\ell 1(*)$
M4 ~ 6 U No.8 ~ 1/4	24 ~ 35	24 ~ 26
M7 ~ 10 U 5/16 ~ 3/8	25 ~ 37	25 ~ 28
M11 ~ 12 U 7/16 PT 1/8	26 ~ 37	26 ~ 28
U1/2	32 ~ 42	-
M13 ~ 15 U9/16	33 ~ 42	-
U5/8 PT1/4	34 ~ 42	-
M16	35 ~ 46	-
M18 U 3/4 PT3/8	36 ~ 47	-
M20 ~ 21 PT1/2	40 ~ 47	-
M22 U 7/8	41 ~ 47	-
M23	42 ~ 47	-
M24 ~ 25 PT5/8	43 ~ 47	-
M26 ~ 27 U1	44 ~ 47	-
M28	45 ~ 52	-
M30 PT3/4	46 ~ 52	-
U 1-1/8	48 ~ 52	-

OSG Synchro Taps

Without center-through coolant		
Tap Size	$\ell 1$	$\ell 1(*)$
M4 ~ 6	21 ~ 35	21 ~ 26
M8 ~ 10	23 ~ 37	23 ~ 28
M12 ~ 14	28 ~ 42	-
M16 ~ 27	33 ~ 47	-
With center-through coolant (STM8)		
Tap Size	$\ell 1$	$\ell 1(*)$
M4 ~ 6	25 ~ 35	25 ~ 26
With center-through coolant (STM12 ~ 30)		
Tap Size	$\ell 1$	$\ell 1(*)$
M4 ~ 6	24 ~ 35	24 ~ 26
M8 ~ 10	26 ~ 37	26 ~ 28
M12	33 ~ 42	-
M14	34 ~ 42	-
M16 ~ 20	40 ~ 46	-
M22 ~ 27	44 ~ 47	-

YAMAWA X Series

Without center-through coolant		
Tap Size	$\ell 1$	$\ell 1(*)$
M6 M8	23 ~ 37	23 ~ 28
M10 M12	28 ~ 42	-
With center-through coolant (STM8)		
Tap Size	$\ell 1$	$\ell 1(*)$
M6	26 ~ 37	26 ~ 28
With center-through coolant (STM12 ~ 30)		
Tap Size	$\ell 1$	$\ell 1(*)$
M6	25 ~ 37	25 ~ 28
M8	26 ~ 37	26 ~ 28
M10	33 ~ 42	-
M12	34 ~ 42	-

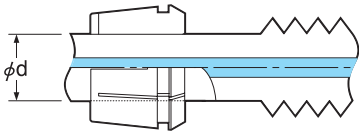
Tap size reference chart (collet, preset driver)

FDC-07 or FSC - collet

preset driver & tool for changing driver

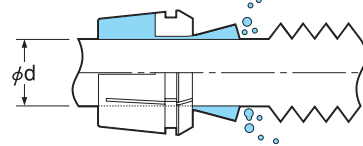
OH Type

● OH type collet should be used for center-through coolant feeding and external coolant feeding.

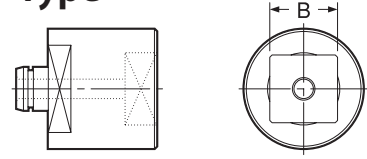


C Type

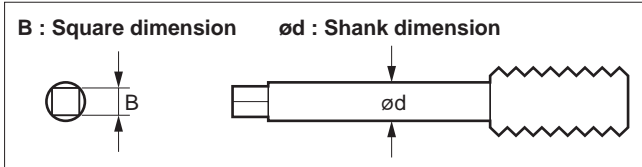
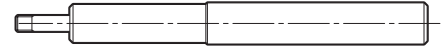
● when "collet-through" coolant feeding is needed.



STS Type



STS-R Type



※ Please select OH type for non-coolant use.

Holder Model	Tap Size (ANSI)	ød (inch)	ød (mm)	Collet Model (OH or C)	B (inch)	B (mm)	Preset Driver
STM8	#0-6	0.141	3.5814	FDC-03607**	0.110	2.794	STS8-□ 2.8
	#8	0.168	4.2672	FDC-04307**	0.131	3.3274	STS8-□ 3.4
	#10	0.194	4.9276	FDC-05007**	0.152	3.8608	STS8-□ 4.0
	#12	0.22	5.588	FDC-05607**	0.165	4.191	STS8-□ 4.2
	1/4	0.255	6.477	FDC-06507**	0.191	4.8514	STS8-□ 5.0
STM12	#0-6	0.141	3.5814	FSC-09-3.6**	0.110	2.794	STS12-□ 2.8
	#8	0.168	4.2672	FSC-09-4.3**	0.131	3.3274	STS12-□ 3.4
	#10	0.194	4.9276	FSC-09-5.0**	0.152	3.8608	STS12-□ 4.0
	#12	0.22	5.588	FSC-09-5.6**	0.165	4.191	STS12-□ 4.2
	1/4	0.255	6.477	FSC-09-6.5**	0.191	4.8514	STS12-□ 5.0
	1/8SPT	0.313	7.9502	FSC-09-8.0**	0.234	5.9436	STS12-□ 6.0
	5/16	0.318	8.0772	FSC-09-8.1**	0.238	6.0452	STS12-□ 6.1
	7/16	0.323	8.2042	FSC-09-8.3**	0.242	6.1468	STS12-□ 6.2
STM18	1/2	0.367	9.3218	FSC-16-9.4**	0.275	6.985	STS18-□ 7.0
	3/8	0.381	9.6774	FSC-16-9.7**	0.286	7.2644	STS18-□ 7.3
	9/16	0.429	10.8966	FSC-16-10.9**	0.322	8.1788	STS18-□ 8.2
	1/8LPT	0.437	11.0998	FSC-16-11.1**	0.328	8.3312	STS18-□ 8.4
	5/8	0.48	12.192	FSC-16-12.2**	0.360	9.144	STS18-□ 9.2
	11/16	0.542	13.7668	FSC-16-13.8**	0.406	10.3124	STS18-□ 10.4
	1/4PT	0.562	14.2748	FSC-16-14.3**	0.421	10.6934	STS18-□ 10.7
STM30	3/4	0.59	14.986	FSC-22-15.0**	0.442	11.2268	STS30-□ 11.3
	13/16	0.652	16.5608	FSC-22-16.6**	0.489	12.4206	STS30-□ 12.5
	7/8	0.697	17.7038	FSC-22-17.8**	0.523	13.2842	STS30-□ 13.3
	3/8PT	0.7	17.78	FSC-22-17.8**	0.531	13.4874	STS30-□ 13.5
	1	0.8	20.32	FSC-22-20.4**	0.600	15.24	STS30-□ 15.3

For DIN and ISO, please refer to P.463-464.

Ordering Example

FSC - 22 - 20.4 - OH

Collet size

Collet I.D. (d)

OH: for tool with coolant hole
C: for collet through

Combination of accessories

Tap holder	Collet	Preset driver		Nut		Tool changing driver		Spanner	
Model	Model	Model	Code	Model	Code	Model	Code	Model	Code
STM8	FDC-07	STS8	3914 0100**03	KDP-1414	0070 01001407	STS-R0	3914 00000006	Flat 17mm width	
STM12	FSC-09	STS12	3914 1100**03	HTP-09	1314 00000009	STS-R1	3914 10000006	S-1L	0803 00000011
STM18	FSC-16	STS18	3914 310**03	HTP-16	1314 00000016	STS-R2	3914 30000006	S-4L	0803 00000014
STM30	FSC-22	STS30	3914 410**03	HTP-22	1314 00000022	STS-R2	3914 30000006	S-5L	0803 00000015

Tap size reference chart (collet, preset driver)

FDC-07 or FSC - collet

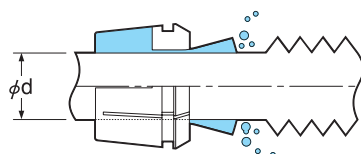
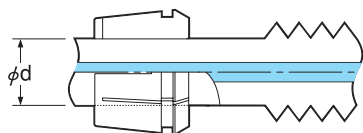
preset driver & tool for changing driver

OH Type

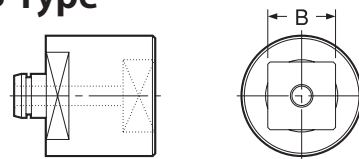
● OH type collet should be used for center-through coolant feeding and external coolant feeding.

C Type

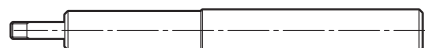
● when "collet-through" coolant feeding is needed.



STS Type



STS-R Type



※ Please select OH type for non-coolant use.

Holder Model	Tap Size					ød	Collet Model (OH or C)	B	Preset Driver	Tool for Changing Driver
	Old JIS Taps			OSG Synchro-Taps	YAMAWA X Series					
	Metric Thread	Unified Thread	Pipe Taper Thread							
STM8	M4~M4.5	UNo.8				5.0	FDC-05007-**	4.0	STS8-□4.0	STS-R0
	M5~M5.5	UNo.10~12				5.5	FDC-05507-**	4.5	STS8-□4.5	STS-R0
	M6	U1/4		M4~M6		6.0	FDC-06007-**	4.5	STS8-□4.5	STS-R0
			U5/16		M6	6.0	FDC-06007-**	4.9	STS8-□4.9	STS-R0
	M7~8					6.1	FDC-06107-**	5.0	STS8-□5.0	STS-R0
					6.2	FDC-06207-**	5.0	STS8-□5.0	STS-R0	
STM12	M4~M4.5	UNo.8				5.0	FSC-09-5.0-**	4.0	STS12-□4.0	STS-R1
	M5~M5.5	UNo.10~12				5.5	FSC-09-5.5-**	4.5	STS12-□4.5	STS-R1
	M6	U1/4		M4~M6		6.0	FSC-09-6.0-**	4.5	STS12-□4.5	STS-R1
			U5/16		M6	6.0	FSC-09-6.0-**	4.9	STS12-□4.9	STS-R1
	M7~8					6.1	FSC-09-6.1-**	5.0	STS12-□5.0	STS-R1
	M9~M10	U3/8				7.0	FSC-09-7.0-**	5.5	STS12-□5.5	STS-R1
					M8	8.0	FSC-09-8.0-**	6.2	STS12-□6.2	STS-R1
	M11	U7/16	PT1/16~1/8	M8~M10		8.0	FSC-09-8.0-**	6.0	STS12-□6.0	STS-R1
	M12					8.5	FSC-09-8.5-**	6.5	STS12-□6.5	STS-R1
			U1/2			9.0	FSC-16-9.0-**	7.0	STS18-□7.0	STS-R2
STM18	M13			M12	M10	9.5	FSC-16-9.5-**	7.0	STS18-□7.0	STS-R2
						10.0	FSC-16-10.0-**	8.0	STS18-□8.0	STS-R2
	M14~15	U9/16				10.5	FSC-16-10.5-**	8.0	STS18-□8.0	STS-R2
			PT1/4			11.0	FSC-16-11.0-**	9.0	STS18-□9.0	STS-R2
		U5/8		M14	M12	12.0	FSC-16-12.0-**	9.0	STS18-□9.0	STS-R2
	M16					12.5	FSC-16-12.5-**	10.0	STS18-□10.0	STS-R2
	M17					13.0	FSC-16-13.0-**	10.0	STS18-□10.0	STS-R2
	M18~M19	U3/4	PT3/8			14.0	FSC-16-14.0-**	11.0	STS18-□11.0	STS-R2
STM30	M20			M16~M20		15.0	FSC-22-15.0-**	12.0	STS30-□12.0	STS-R2
	M21					16.0	FSC-22-16.0-**	12.0	STS30-□12.0	STS-R2
	M22	U7/8				17.0	FSC-22-17.0-**	13.0	STS30-□13.0	STS-R2
	M23		PT1/2			18.0	FSC-22-18.0-**	14.0	STS30-□14.0	STS-R2
	M24~M25		PT5/8			19.0	FSC-22-19.0-**	15.0	STS30-□15.0	STS-R2
	M26~M27	U1		M22~M27		20.0	FSC-22-20.0-**	15.0	STS30-□15.0	STS-R2
	M28					21.0	FSC-22-21.0-**	17.0	STS30-□17.0	STS-R2
		U1-1/8				22.0	FSC-22-22.0-**	17.0	STS30-□17.0	STS-R2
	M30		PT3/4			23.0	FSC-22-23.0-**	17.0	STS30-□17.0	STS-R2

Ordering Example

FSC - 22 - 20.0 - OH

Collet size

Collet I.D. (d)

OH: for tool with coolant hole

C: for collet through

Combination of accessories

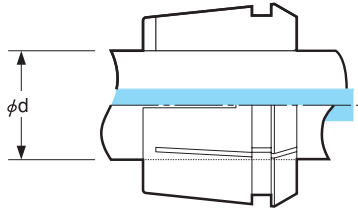
Tap holder	Collet	Preset driver		Nut		Tool changing driver		Spanner	
Model	Model	Model	Code	Model	Code	Model	Code	Model	Code
STM8	FDC-07	STS8	3914 0100**03	KDP-1414	0070 01001407	STS-R0	3914 00000006	Flat 17mm width	
STM12	FSC-09	STS12	3914 1100**03	HTP-09	1314 00000009	STS-R1	3914 10000006	S-1L	0803 00000011
STM18	FSC-16	STS18	3914 310**03	HTP-16	1314 00000016	STS-R2	3914 30000006	S-4L	0803 00000014
STM30	FSC-22	STS30	3914 410**03	HTP-22	1314 00000022	STS-R2	3914 30000006	S-5L	0803 00000015

FSC

Collet For Tapper

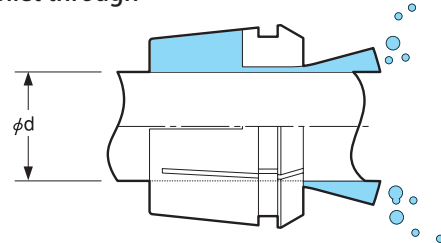
FSC-OH

For tool with coolant hole



FSC-C

For Collet through



Tool Shank Dia.		Size	Code
ød (inch)	ød (mm)		
ø 0.141	ø 3.6	FSC-09-3.6-OH	—
ø 0.168	ø 4.3	FSC-09-4.3-OH	1334 00104309
ø 0.194	ø 5.0	FSC-09-5.0-OH	1334 00105009
ø 0.220	ø 5.6	FSC-09-5.6-OH	1334 00105609
ø 0.216	ø 5.5	FSC-09-5.5-OH	1334 00105509
ø 0.236	ø 6.0	FSC-09-6.0-OH	1334 00106009
ø 0.240	ø 6.1	FSC-09-6.1-OH	1334 00106109
ø 0.244	ø 6.2	FSC-09-6.2-OH	1334 00106209
ø 0.255	ø 6.5	FSC-09-6.5-OH	1334 00106509
ø 0.275	ø 7.0	FSC-09-7.0-OH	1334 00107009
ø 0.314	ø 8.0	FSC-09-8.0-OH	1334 00108009
ø 0.313	ø 8.0	FSC-09-8.0-OH	1334 00108009
ø 0.318	ø 8.1	FSC-09-8.1-OH	1334 00108109
ø 0.323	ø 8.3	FSC-09-8.3-OH	1334 00108309
ø 0.334	ø 8.5	FSC-09-8.5-OH	1334 00108509
ø 0.354	ø 9.0	FSC-16-9.0-OH	1334 00109016
ø 0.367	ø 9.4	FSC-16-9.4-OH	1334 00109416
ø 0.374	ø 9.5	FSC-16-9.5-OH	1334 00109516
ø 0.381	ø 9.7	FSC-16-9.7-OH	1334 00109716
ø 0.393	ø 10.0	FSC-16-10.0-OH	1334 00110016
ø 0.413	ø 10.5	FSC-16-10.5-OH	1334 00110516
ø 0.429	ø 10.9	FSC-16-10.9-OH	1334 00110916
ø 0.433	ø 11.0	FSC-16-11.0-OH	1334 00111016
ø 0.437	ø 11.1	FSC-16-11.1-OH	1334 00111116
ø 0.472	ø 12.0	FSC-16-12.0-OH	1334 00112016
ø 0.480	ø 12.2	FSC-16-12.2-OH	1334 00112216
ø 0.492	ø 12.5	FSC-16-12.5-OH	1334 00112516
ø 0.511	ø 13.0	FSC-16-13.0-OH	1334 00113016
ø 0.542	ø 13.8	FSC-16-13.8-OH	1334 00113816
ø 0.551	ø 14.0	FSC-16-14.0-OH	1334 00114016
ø 0.562	ø 14.3	FSC-16-14.3-OH	1334 00114316
ø 0.590	ø 15.0	FSC-22-15.0-OH	1334 00115022
ø 0.629	ø 16.0	FSC-22-16.0-OH	1334 00116022
ø 0.652	ø 16.6	FSC-22-16.6-OH	1334 00116622
ø 0.669	ø 17.0	FSC-22-17.0-OH	1334 00117022
ø 0.697	ø 17.8	FSC-22-17.8-OH	1334 00117822
ø 0.700	ø 17.8	FSC-22-17.8-OH	1334 00117822
ø 0.708	ø 18.0	FSC-22-18.0-OH	1334 00118022
ø 0.748	ø 19.0	FSC-22-19.0-OH	1334 00119022
ø 0.800	ø 20.4	FSC-22-20.4-OH	1334 00120422
ø 0.787	ø 20.0	FSC-22-20.0-OH	1334 00120022
ø 0.826	ø 21.0	FSC-22-21.0-OH	1334 00121022
ø 0.866	ø 22.0	FSC-22-22.0-OH	1334 00122022
ø 0.905	ø 23.0	FSC-22-23.0-OH	1334 00123022

Tool Shank Dia.		Size	Code
ød (inch)	ød (mm)		
ø 0.141	ø 3.6	FSC-09-3.6-C	—
ø 0.168	ø 4.3	FSC-09-4.3-C	1335 00104309
ø 0.194	ø 5.0	FSC-09-5.0-C	1335 00105009
ø 0.220	ø 5.6	FSC-09-5.6-C	1335 00105609
ø 0.216	ø 5.5	FSC-09-5.5-C	1335 00105509
ø 0.236	ø 6.0	FSC-09-6.0-C	1335 00106009
ø 0.240	ø 6.1	FSC-09-6.1-C	1335 00106109
ø 0.244	ø 6.2	FSC-09-6.2-C	1335 00106209
ø 0.255	ø 6.5	FSC-09-6.5-C	1335 00106509
ø 0.275	ø 7.0	FSC-09-7.0-C	1335 00107009
ø 0.314	ø 8.0	FSC-09-8.0-C	1335 00108009
ø 0.313	ø 8.0	FSC-09-8.0-C	1335 00108009
ø 0.318	ø 8.1	FSC-09-8.1-C	1335 00108109
ø 0.323	ø 8.3	FSC-09-8.3-C	1335 00108309
ø 0.334	ø 8.5	FSC-09-8.5-C	1335 00108509
ø 0.354	ø 9.0	FSC-16-9.0-C	1335 00109016
ø 0.367	ø 9.4	FSC-16-9.4-C	1335 00109416
ø 0.374	ø 9.5	FSC-16-9.5-C	1335 00109516
ø 0.381	ø 9.7	FSC-16-9.7-C	1335 00109716
ø 0.393	ø 10.0	FSC-16-10.0-C	1335 00110016
ø 0.413	ø 10.5	FSC-16-10.5-C	1335 00110516
ø 0.429	ø 10.9	FSC-16-10.9-C	1335 00110916
ø 0.433	ø 11.0	FSC-16-11.0-C	1335 00111016
ø 0.437	ø 11.1	FSC-16-11.1-C	1335 00111116
ø 0.472	ø 12.0	FSC-16-12.0-C	1335 00112016
ø 0.480	ø 12.2	FSC-16-12.2-C	1335 00112216
ø 0.492	ø 12.5	FSC-16-12.5-C	1335 00112516
ø 0.511	ø 13.0	FSC-16-13.0-C	1335 00113016
ø 0.542	ø 13.8	FSC-16-13.8-C	1335 00113816
ø 0.551	ø 14.0	FSC-16-14.0-C	1335 00114016
ø 0.562	ø 14.3	FSC-16-14.3-C	1335 00114316
ø 0.590	ø 15.0	FSC-22-15.0-C	1335 00115022
ø 0.629	ø 16.0	FSC-22-16.0-C	1335 00116022
ø 0.652	ø 16.6	FSC-22-16.6-C	1335 00116622
ø 0.669	ø 17.0	FSC-22-17.0-C	1335 00117022
ø 0.697	ø 17.8	FSC-22-17.8-C	1335 00117822
ø 0.700	ø 17.8	FSC-22-17.8-C	1335 00117822
ø 0.708	ø 18.0	FSC-22-18.0-C	1335 00118022
ø 0.748	ø 19.0	FSC-22-19.0-C	1335 00119022
ø 0.800	ø 20.4	FSC-22-20.4-C	1335 00120422
ø 0.787	ø 20.0	FSC-22-20.0-C	1335 00120022
ø 0.826	ø 21.0	FSC-22-21.0-C	1335 00121022
ø 0.866	ø 22.0	FSC-22-22.0-C	1335 00122022
ø 0.905	ø 23.0	FSC-22-23.0-C	1335 00123022

OH type shall be selected in case not utilizing coolant through from the machine spindle.

Ordering Example

FSC - 16 - 9.0 - OH
 16 Series Tool Shank Dia.

Ordering Example

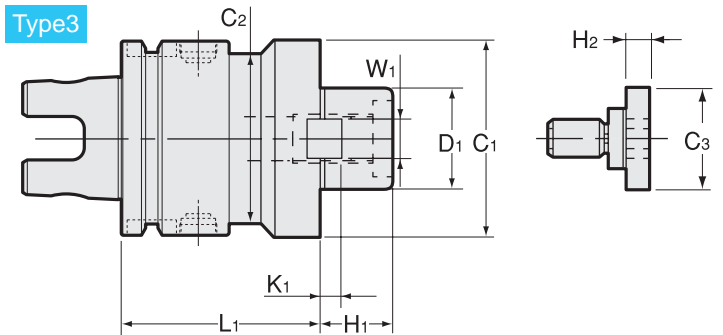
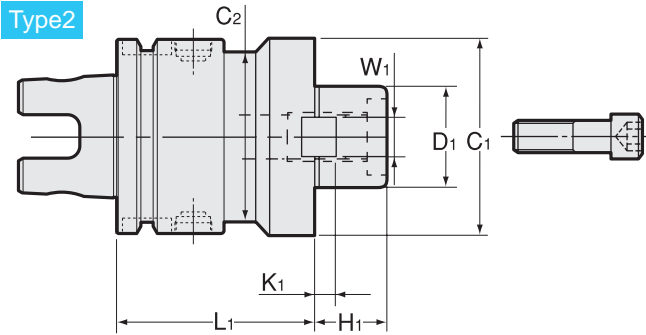
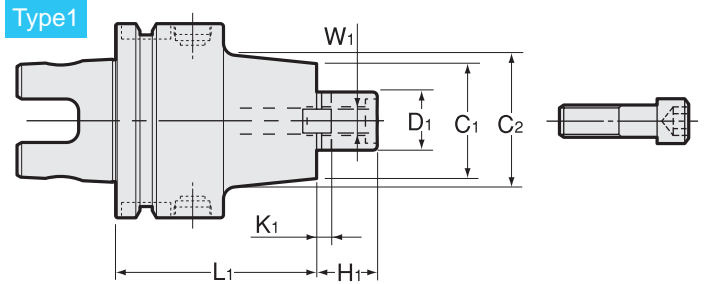
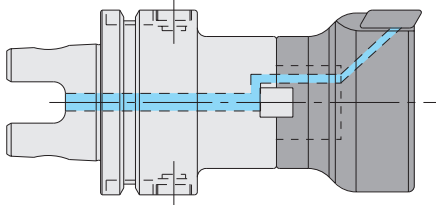
FSC - 16 - 9.0 - C
 16 Series Tool Shank Dia.

MEMO

FMH

Face Mill Arbor (For Cutters With Oil Hole)

- Coolant flows from the end face of centering location to cutter with oil hole.



Metric Sizes Unit : Metric

Code	Model	Type	D1 (h6)	L1	H1	C1	C2	W1	K1	C3	H2	Clamp Bolt	Cutter dia. example
1320 11116060	UTS5040 -FMH16 -60-H	1	16	60	17	34	34	8	5	—	—	M8	40 50
1320 11122060	UTS5040 -FMH22 -60-H	2	22	60	18	45	45	10	5.6	—	—	M10	50 63
1320 11125060	UTS5040 -FMH25.4 -60-H	2	25.4	60	22	70	45	9.5	5	—	—	M12	80 100 125
1320 1 ※ 216060	UTS6350 -FMH16 -60	1	16	60	17	34	34	8	5	—	—	M8	40 50
1320 1 ※ 216090	-90	1	16	90	17	34	40	8	5	—	—		
1320 1 ※ 216120	-120	1	16	120	17	34	40	8	5	—	—		
1320 1 ※ 222060	UTS6350 -FMH22 -60	1	22	60	18	45	45	10	5.6	—	—	M10	50 63
1320 1 ※ 222090	-90	1	22	90	18	45	45	10	5.6	—	—		
1320 1 ※ 222120	-120	1	22	120	18	45	45	10	5.6	—	—		
1320 1 ※ 225060	UTS6350 -FMH25.4 -60	2	25.4	60	22	70	63	9.5	5	—	—	M12	80 100 125
1320 1 ※ 225090	-90	2	25.4	90	22	70	63	9.5	5	—	—		
1320 1 ※ 225120	-120	2	25.4	120	22	70	63	9.5	5	—	—		
1320 1 ※ 231060	UTS6350 -FMH31.75-60	2	31.75	60	30	80	63	12.7	7	—	—	M16	80 100
1320 1 ※ 231090	-90	2	31.75	90	30	80	63	12.7	7	—	—		
1320 1 ※ 231120	-120	2	31.75	120	30	80	63	12.7	7	—	—		
1320 1 ※ 238060	UTS6350 -FMH38.1 -60	3	38.1	60	34	90	63	15.9	9	50	14	MBAH-M20	125
1320 1 ※ 238090	-90	3	38.1	90	34	90	63	15.9	9	50	14		
1320 1 ※ 238120	-120	3	38.1	120	34	90	63	15.9	9	50	14		

Metric Sizes Unit : Metric

Code	Model	Type	D1 (h6)	L1	H1	C1	C2	W1	K1	C3	H2	Clamp Bolt	Cutter dia. example
1320 1 ※ 316075	UTS10080 -FMH16 -75	1	16	75	17	34	40	8	5	—	—	M8	40 50
1320 1 ※ 316105	-105	1	16	105	17	34	40	8	5	—	—		
1320 1 ※ 316135	-135	1	16	135	17	34	40	8	5	—	—		
1320 1 ※ 322075	UTS10080 -FMH22 -75	1	22	75	18	45	45	10	5.6	—	—	M10	50 63
1320 1 ※ 322105	-105	1	22	105	18	45	45	10	5.6	—	—		
1320 1 ※ 322135	-135	1	22	135	18	45	45	10	5.6	—	—		
1320 1 ※ 325075	UTS10080 -FMH25.4 -75	1	25.4	75	22	70	80	9.5	5	—	—	M12	80 100 125
1320 1 ※ 325105	-105	1	25.4	105	22	70	80	9.5	5	—	—		
1320 1 ※ 325135	-135	1	25.4	135	22	70	80	9.5	5	—	—		
1320 1 ※ 331075	UTS10080 -FMH31.75 -75	1	31.75	75	30	80	80	12.7	7	—	—	M16	80 100
1320 1 ※ 331105	-105	1	31.75	105	30	80	80	12.7	7	—	—		
1320 1 ※ 331135	-135	1	31.75	135	30	80	80	12.7	7	—	—		
1320 1 ※ 338075	UTS10080 -FMH38.1 -75	3	38.1	75	34	90	90	15.9	9	50	14	MBAH-M20	125
1320 1 ※ 338105	-105	3	38.1	105	34	90	90	15.9	9	50	14		
1320 1 ※ 338135	-135	3	38.1	135	34	90	90	15.9	9	50	14		
1320 1 ※ 350075	UTS10080 -FMH50.8 -75	3	50.8	75	36	99	99	19.05	10	65	14	MBAH-M24	160
1320 1 ※ 350105	-105	3	50.8	105	36	99	99	19.05	10	65	14		
1320 1 ※ 350135	-135	3	50.8	135	36	99	99	19.05	10	65	14		

When placing an order, please specify high or low pressure. For high pressure type, please add (-H) on end of the description.

1. UTS5040 is available in high pressure only.
2. Clamp bolt is included.

Ordering Example

Low pressure type
 0 ~ 1.0MPa (UTS10080 : 0 ~ 2.0MPa)
UTS6350 - FMH 25.4 - 60
Shank size D1 L1

Ordering Example

High pressure type
 1.1 ~ 7.0MPa (UTS10080 : 2.1 ~ 7.0MPa)
UTS6350 - FMH 25.4 - 60 - H
Shank size D1 L1 High pressure type



