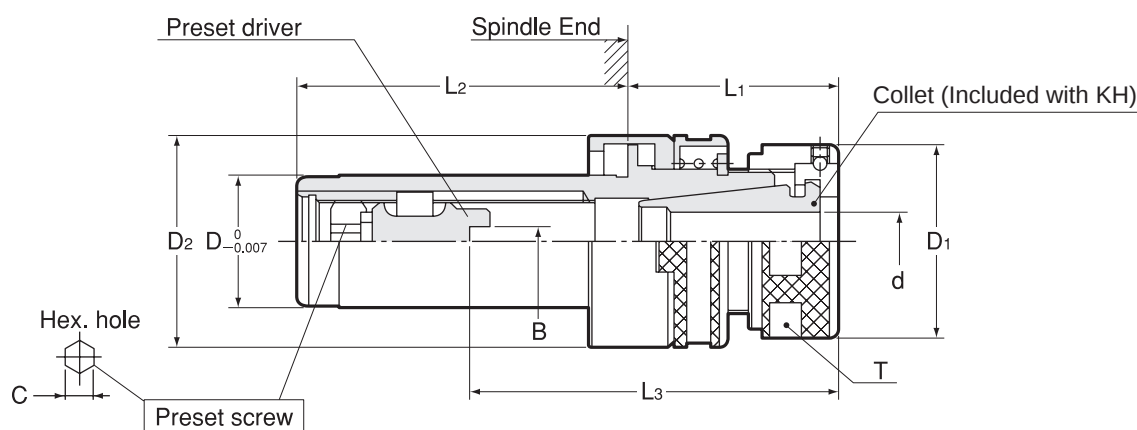


Applications

- For aluminum alloy and cast iron. (For cast iron, drilling only.) In case of using $\phi 12$ and above drill size or spot-facing cast iron, please contact NT Tool.
- Special purpose machine
For transfer machine, etc.

Feature

- For narrow spindle pitch processing.



※ Incompatible with KH-E and KH-A.

Collet set

Holder

+

Preset driver

+

Nut

+

Collet

Code	Model	D	B	Chuck range d	Preset driver	L3	D1	D2	L1	L2	T	C	kg	Collet	Nut	Spanner
2300141 □□※※※	KH-14R	14	0	0.5 ~ 7.0	KHS -00007	23 ~ 45										Flat 17mm width
		2.4	3.1 ~ 5.0	KHS -02407	26 ~ 48											
		3.0	5.1 ~ 6.0	KHS -03007	26 ~ 48	19	22	34	35	17	4	0.1	FDC-d07A	KDP-1414		
		4.0	6.1 ~ 7.0	KHS -04007	27 ~ 48											
2300160 □□※※※	KH-16	16	0	2.8 ~ 9.0	KHS -00009	28 ~ 45										S-1L
		2.4	3.1 ~ 5.0	KHS -02409	31 ~ 48											
		3.0	5.1 ~ 6.0	KHS -03009	33 ~ 50	26	26	35	40	24	4	0.15	EDC-d19	KDP-1916		
		4.0	6.1 ~ 9.0	KHS -04009	34 ~ 50											
2300190 □□※※※	KH-19	19	0	2.8 ~ 9.0	KHS -00009	28 ~ 50										S-1L
		2.4	3.1 ~ 5.0	KHS -02409	31 ~ 53	26	30	35	45	24	4		EDC-d19	KDP-1916		
2300200 □□※※※	KH-20	20	3.0	5.1 ~ 6.0	KHS -03009	33 ~ 55										S-1L
		4.0	6.1 ~ 9.0	KHS -04009	34 ~ 55	26	30	35	45	24	4		EDC-d19	KDP-1916		
2300220 □□※※※	KH-22	22	0	2.8 ~ 12	KHS -00012	34 ~ 61										S-3L
		2.4	3.1 ~ 5.0	KHS -02412	32 ~ 59	32	33	35	55	30	5	0.27	EDC-d24	KDP-2422		
		3.0	5.1 ~ 6.0	KHS -03012	32 ~ 59											
2300240 □□※※※	KH-24	24	4.0	6.1 ~ 9.0	KHS -04012	36 ~ 63										S-3L
		5.0	9.1 ~ 12	KHS -05012	39 ~ 63	32	35	35	55	30	5		EDC-d24	KDP-2422		

KHB

Holder body



Code	Model	B	L3	D	D1	D2	L1	L2	T	C	
2340 141 □□□ 07	KHB -14R	/00007	0	23 ~ 45	14	19	22	34	35	17	4
		/02407	2.4	26 ~ 48							
		/03007	3.0	26 ~ 48							
		/04007	4.0	27 ~ 48							
2340 160 □□□ 09	KHB -16	/00009	0	28 ~ 45	16	26	26	35	40	24	4
		/02409	2.4	31 ~ 48							
		/03009	3.0	33 ~ 50							
		/04009	4.0	34 ~ 50							
2340 190 □□□ 09	KHB -19	/00009	0	28 ~ 50	19	26	30	35	45	24	4
2340 200 □□□ 09	KHB -20	/02409	2.4	31 ~ 53	20	26	30	35	45	24	4
		/03009	3.0	33 ~ 55							
		/04009	4.0	34 ~ 55							
2340 220 □□□ 12	KHB -22	/00012	0	34 ~ 61	22	32	33	35	55	30	5
		/02412	2.4	32 ~ 59							
		/03012	3.0	32 ~ 59							
2340 240 □□□ 12	KHB -24	/04012	4.0	36 ~ 63	24	32	35	35	55	30	5
		/05012	5.0	39 ~ 63							

Collet

P. 444



Spanner

P. 446



Preset driver

P. 433



KH (Collet set)

Ordering Example

KH-20

/

04009

/

7.0

Preset driver

Collet I.D.

KHB (Holder body)

Ordering Example

KHB-20

/

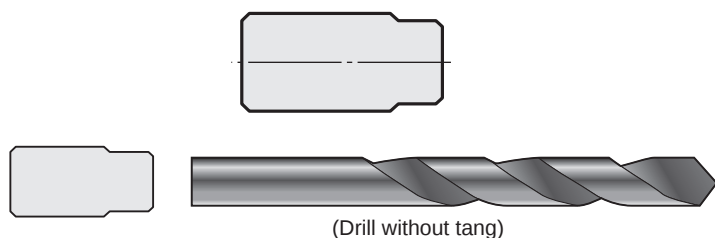
04009

Preset driver

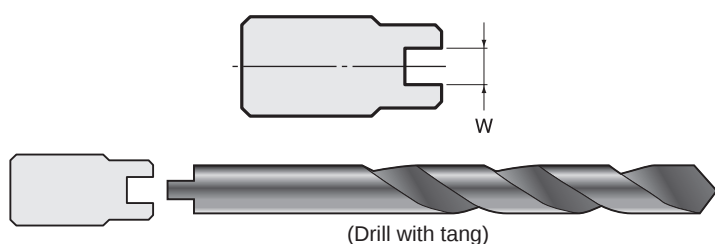
Accessories

Preset driver (For KH-E, KH-A, KH)

Type1 without tang



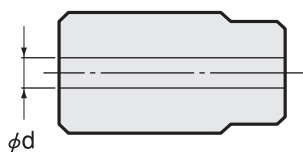
Type2 with tang



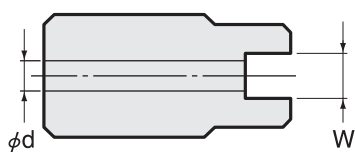
	Model	Holder model	Type	W ^{+0.4} / _{+0.3}
KHS	-00006	KH-12E KH-12AR	1	—
	-02406		2	2.4
	-03006		2	3
KHS	-00007	KH-14E KH-14AR KH-14R	1	—
	-02407		2	2.4
	-03007		2	3
	-04007		2	4
KHS	-00009	KH-16E,16A,16 KH-19E,19A,19 KH-20E,20A,20	1	—
	-02409		2	2.4
	-03009		2	3
	-04009		2	4
KHS	-00012	KH-22E,22A,22 KH-24E,24A,24	1	—
	-02412		2	2.4
	-03012		2	3
	-04012		2	4
	-05012		2	5
KHS	-00016	KH-25E,25A KH-26E,26A KH-28E,28A KH-30E,30A	1	—
	-02416		2	2.4
	-03016		2	3
	-04016		2	4
	-05016		2	5
	-06016		2	6
KHS	-00022	KH-32E,32A KH-35E,35A KH-36E,36A	1	—
	-02422		2	2.4
	-03022		2	3
	-04022		2	4
	-05022		2	5
	-06022		2	6
KHS	-08022	KH-48E KH-48A	2	8
	-00032		1	—
	-08032		2	8
	-12032		2	12

Preset driver (For KH-EC)

Type1 without tang

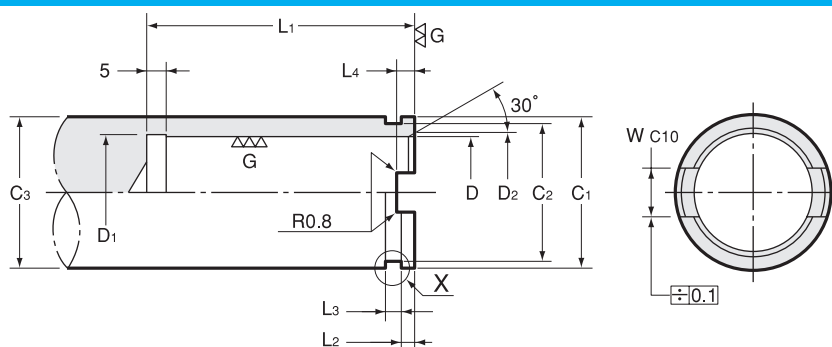


Type2 with tang

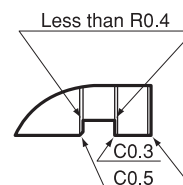


	Model	Holder Model	Type	W ^{+0.4} / _{+0.3}	d
KHS	00007-OH	KHB-14EC1,2	2	2.4	2.5
	02407-OH		2	2.4	2.5
	03007-OH		2	3	2.5
	04007-OH		2	4	2.5
KHS	00009-OH	KHB-16EC1,2 KHB-19EC1,2 KHB-20EC1,2	2	2.4	2.5
	02409-OH		2	2.4	2.5
	03009-OH		2	3	3
	04009-OH		2	4	3
KHS	00012-OH	KHB-22EC1,2 KHB-24EC1,2	1	—	2.5
	02412-OH		2	2.4	2.5
	03012-OH		2	3	3
	04012-OH		2	4	4
	05012-OH		2	5	5
KHS	00016-OH	KHB-25EC1,2 KHB-26EC1,2 KHB-28EC1,2 KHB-30EC1,2	1	—	2.5
	03016-OH		2	3	3
	04016-OH		2	4	4
	05016-OH		2	5	5
	06016-OH		2	6	6
	08022-OH	KHB-32EC1,2 KHB-35EC1,2 KHB-36EC1,2	2	8	8
KHS	00022-OH		1	—	2.5
	03022-OH		2	3	3
	04022-OH		2	4	4
	05022-OH		2	5	5
	06022-OH		2	6	6

Dimension for KH-A spindle



Enlarged "X"



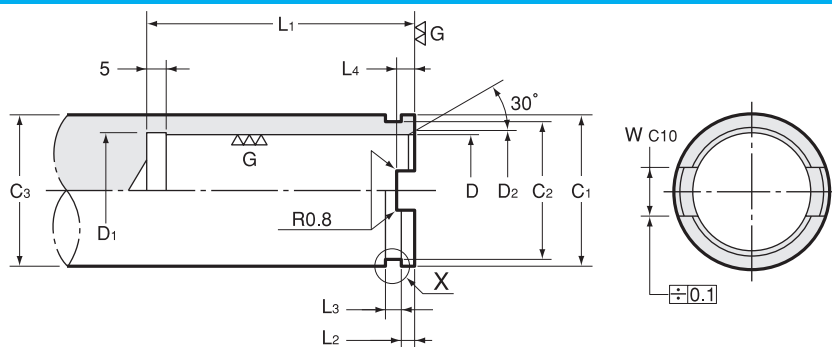
Size	D + 0.015 + 0.005	D1	D2	C1 0 -0.1	C2 0 -0.1	C3	L1	L2 + 0.1 0	L3	W C10	L4
12AR	12	12.4	13.5	18	16.5	18 or more	38	2.5	2.5	6	3.5
14AR	14	14.4	15.5	22	20	20 or more	38	2.5	2.5	8	3.5
16A	16	16.4	17.5	26.4	24	25 or more	43	3.5	3.0	8	4.5
19A	19	19.4	20.5	29.4	27	28 or more	48	3.5	3.0	9	4.5
20A	20	20.4	21.5	29.4	27	28 or more	48	3.5	3.0	9	4.5
22A	22	22.4	23.5	32.4	30	32 or more	58	3.5	3.0	10	4.5
24A	24	24.4	25.5	34.4	32	32 or more	58	3.5	3.0	10	4.5
25A	25	25.4	26.5	37.4	35	35 or more	63	3.5	3.0	10	4.5
26A	26	26.4	27.5	37.4	35	35 or more	63	3.5	3.0	10	4.5
28A	28	28.4	29.5	40.4	38	40 or more	68	3.5	3.0	10	4.5
30A	30	30.4	31.5	40.4	38	40 or more	68	3.5	3.0	10	4.5
32A	32	32.4	33.5	43.8	41	45 or more	83	3.5	3.0	10	4.5
35A	35	35.4	36.5	47.8	45	45 or more	83	3.5	3.0	10	4.5
36A	36	36.4	37.5	47.8	45	45 or more	83	3.5	3.0	10	4.5
48A	48	48.4	49.5	65.4	62	65 or more	10	4.5	4.0	11	5.5

1. Spindle dimension for KH-A only, not for KH.

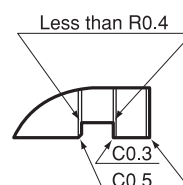
2. All corners not specified should be chamfered to C0.5.

- Material of spindle end : SCM415
- Heat treatment : HV613 ~ 697
- Carburized depth : 0.4 ~ 0.6

Dimension for KH-spindle



Enlarged "X"



Size	D + 0.015 + 0.005	D1	D2	C1 0 -0.1	C2 0 -0.1	C3	L1	L2 + 0.1 0	L3	W C10	L4
14	14	14.4	15.5	19.8	18	20 or more	38	2.5	2.5	8	3.5
16	16	16.4	17.5	23.8	21.4	25 or more	43	3.5	3.0	8	4.5
19	19	19.4	20.5	27.8	25.4	28 or more	48	3.5	3.0	9	4.5
20	20	20.4	21.5	27.8	25.4	28 or more	48	3.5	3.0	9	4.5
22	22	22.4	23.5	30.3	27.9	32 or more	58	3.5	3.0	10	4.5
24	24	24.4	25.5	32.3	29.9	35 or more	58	3.5	3.0	10	4.5

1. Spindle dimension for KH only, not for KH-A.

2. All corners not specified should be chamfered to C0.5.

- Material of spindle end : SCM415
- Heat treatment : HV613 - 697
- Carburized depth : 0.4 - 0.6