



OK(A)BE CENTER DRILLS

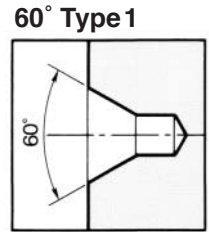


OKABE KOGU CO., LTD.

株式会社 岡部工具製作所



中心 鑽 頭 センタードリル



OKABE Combined Drills and Countersinks

Material: SKH51

JIS B 4304-1976

規格/形體	OKABE 標準型	左轉型	OKABE R型	JIS-1 型	JIS-2 型	OKABE 2 型	鍍鈦標準型	標準型90°
0.3 m/m	9,500 00							
0.4	5,200 00							
0.5	4,380 00						6,120 00	6,890 00
0.6-0.7	3,890 00		7,420 00	4,900 00				
0.8	3,000 00						4,560 00	4,720 00
1.0	1,900 00	3,900 00	7,120 00	3,540 00	6,180 00	6,180 00	3,480 00	3,200 00
1.2	1,860 00	3,900 00	7,120 00				3,480 00	3,100 00
1.5	1,380 00	2,990 00	6,400 00	2,700 00	5,900 00	5,750 00	2,800 00	2,520 00
2.0	1,380 00	2,990 00	7,120 00	3,150 00	8,600 00	5,900 00	2,800 00	3,100 00
2.5	1,670 00	3,600 00	7,540 00	4,050 00	12,400 00	7,880 00	3,300 00	3,900 00
3.0	2,040 00	4,600 00	9,850 00	6,570 00	17,100 00	9,050 00	4,100 00	3,900 00
3.2	2,040 00	4,600 00					4,100 00	3,900 00
4.0	4,100 00	8,700 00	13,500 00	10,100 00	33,000 00	15,000 00	6,600 00	7,320 00
5.0	4,640 00		18,200 00	13,960 00	47,000 00	27,000 00	9,280 00	8,100 00
6.0	14,000 00		36,000 00	27,700 00	66,000 00	33,400 00		
8.0	19,800 00							
10.0	20,800 00							



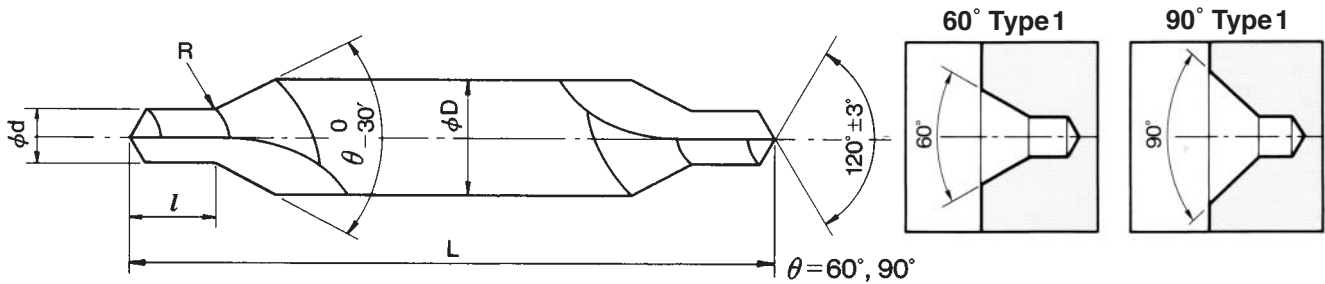
CENTER DRILLS



OKABE KOGU CO., LTD.

OKABE CENTER DRILLS

OKABE Standard Type 1



Material: SKH51

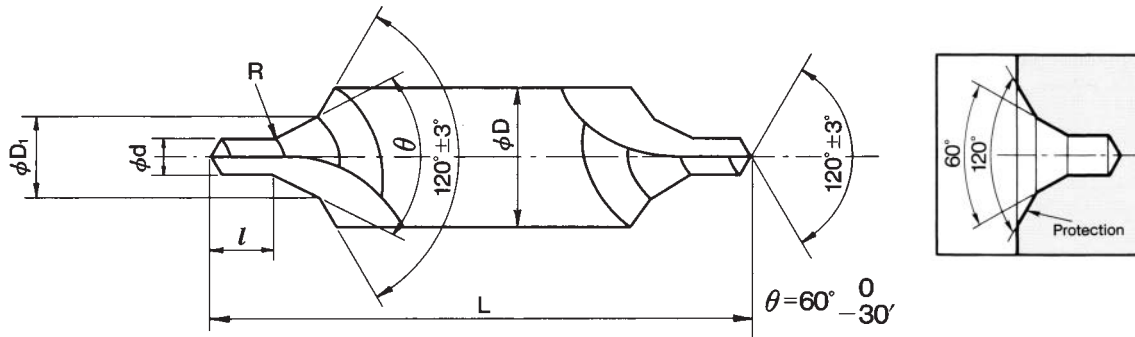
Unit : mm

Nominal size	d		D		L	I
	Size	Tolerance	Size	Tolerance		
0.3	0.3	±0.05	3.0	0 -0.014	31	0.4
0.4	0.4	±0.05	3.0	0 -0.014	31	0.5
0.5	0.5	±0.05	3.0	0 -0.014	31	0.6
0.6	0.6	±0.05	3.5	0 -0.018	36	0.7
0.7	0.7	±0.05	3.5	0 -0.018	36	0.9
0.8	0.8	±0.05	4.0	0 -0.018	36	1.0
0.9	0.9	±0.05	4.0	0 -0.018	36	1.1
1	1.0	±0.05	4.0	0 -0.018	36	1.3
1.2	1.2	±0.05	5.0	0 -0.018	42	1.6
1.5	1.5	±0.05	5.0	0 -0.018	42	2.0
2×5	2.0	±0.08	5.0	0 -0.018	42	2.6
2	2.0	±0.08	6.0	0 -0.018	47	2.6
2.5×6	2.5	±0.08	6.0	0 -0.018	47	3.2
2.5	2.5	±0.08	7.7	0 -0.022	57	3.2

Nominal size	d		D		L	I
	Size	Tolerance	Size	Tolerance		
3	3.0	±0.08	7.7	0 -0.022	7	3.9
3×8	3.0	±0.08	8.0	0 -0.022	53	3.9
3.2	3.2	±0.08	7.7	0 -0.022	57	4.2
4×10	4.0	±0.08	10.0	0 -0.022	69	5.2
4	4.0	±0.08	11.0	0 -0.027	69	5.2
5	5.0	±0.12	11.0	0 -0.027	69	6.6
5×12	5.0	±0.12	12.0	0 -0.027	69	6.6
6×16	6.0	±0.12	16.0	0 -0.027	90	7.8
6	6.0	±0.12	18.0	0 -0.027	95	7.8
8	8.0	±0.12	18.0	0 -0.027	100	10.4
10	10.0	±0.12	18.0	0 -0.027	100	13.1
12×22	12.0	±0.12	22.0	0 -0.033	110	15.7
12×25	12.0	±0.12	22.0	0 -0.033	120	15.7

OKABE CENTER DRILLS

**OKABE Standard
Type 2**



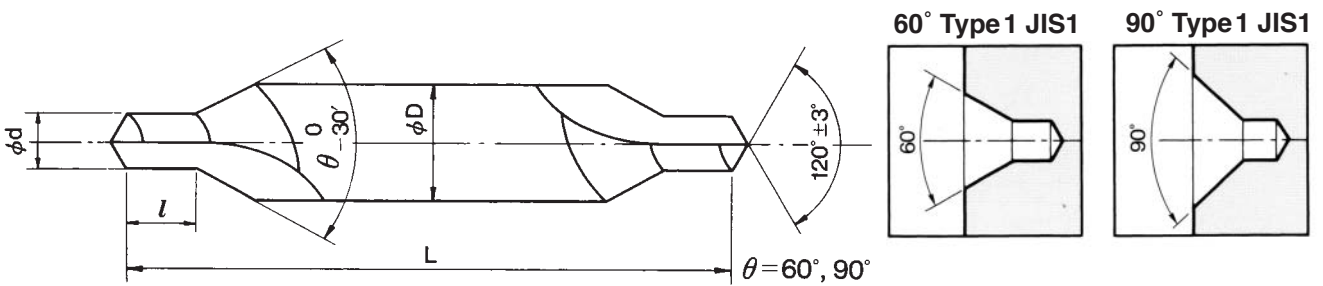
Material : SKH51

Unit : mm

Nominal size	d		D		D_1	L	I
	Size	Tolerance	Size	Tolerance			
1	1.0	± 0.05	5.0	$\begin{smallmatrix} 0 \\ -0.018 \end{smallmatrix}$	2.5	42	1.3
1.5	1.5	± 0.05	6.0	$\begin{smallmatrix} 0 \\ -0.022 \end{smallmatrix}$	3.5	47	2.0
2	2.0	± 0.08	8.0	$\begin{smallmatrix} 0 \\ -0.022 \end{smallmatrix}$	4.5	53	2.6
2.5	2.5	± 0.08	9.0	$\begin{smallmatrix} 0 \\ -0.022 \end{smallmatrix}$	5.3	58	3.2
3	3.0	± 0.08	10.0	$\begin{smallmatrix} 0 \\ -0.022 \end{smallmatrix}$	6.0	63	3.9
4	4.0	± 0.08	13.0	$\begin{smallmatrix} 0 \\ -0.027 \end{smallmatrix}$	8.0	73	5.2
5	5.0	± 0.012	16.0	$\begin{smallmatrix} 0 \\ -0.027 \end{smallmatrix}$	10.0	84	6.6
6	6.0	± 0.012	18.0	$\begin{smallmatrix} 0 \\ -0.027 \end{smallmatrix}$	12.0	95	7.8

OK(A)BE CENTER DRILLS

Type JIS 1



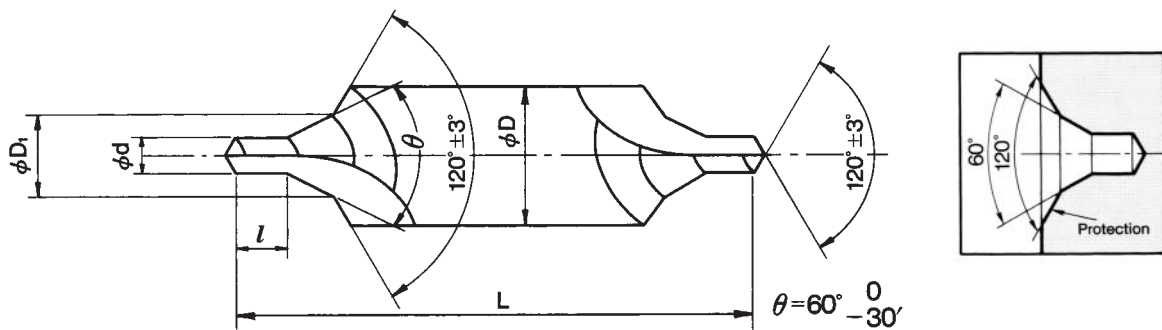
Material : SKH51

Unit : mm

Nominal size	d		D		L		l
	Size	Tolerance	Size	Tolerance	Size	Tolerance	
0.7	0.7	± 0.05	3.5	$\begin{matrix} 0 \\ -0.018 \end{matrix}$	35	$\begin{matrix} +1 \\ 0 \end{matrix}$	0.7
1	1.0	± 0.05	4.0	$\begin{matrix} 0 \\ -0.018 \end{matrix}$	35	$\begin{matrix} +1 \\ 0 \end{matrix}$	1.1
1.5	1.5	± 0.05	5.0	$\begin{matrix} 0 \\ -0.018 \end{matrix}$	40	$\begin{matrix} +1 \\ 0 \end{matrix}$	1.6
2	2.0	± 0.08	6.0	$\begin{matrix} 0 \\ -0.018 \end{matrix}$	45	$\begin{matrix} +1 \\ 0 \end{matrix}$	2.1
2.5	2.5	± 0.08	8.0	$\begin{matrix} 0 \\ -0.022 \end{matrix}$	50	$\begin{matrix} +1 \\ 0 \end{matrix}$	2.6
3	3.0	± 0.08	10.0	$\begin{matrix} 0 \\ -0.022 \end{matrix}$	55	$\begin{matrix} +1 \\ 0 \end{matrix}$	3.2
4	4.0	± 0.08	12.0	$\begin{matrix} 0 \\ -0.027 \end{matrix}$	66	$\begin{matrix} +1 \\ 0 \end{matrix}$	4.2
5	5.0	± 0.12	14.0	$\begin{matrix} 0 \\ -0.027 \end{matrix}$	78	$\begin{matrix} +1 \\ 0 \end{matrix}$	5.3
6	6.0	± 0.12	18.0	$\begin{matrix} 0 \\ -0.027 \end{matrix}$	90	$\begin{matrix} +1 \\ 0 \end{matrix}$	6.3

OKABE CENTER DRILLS

Type JIS 2



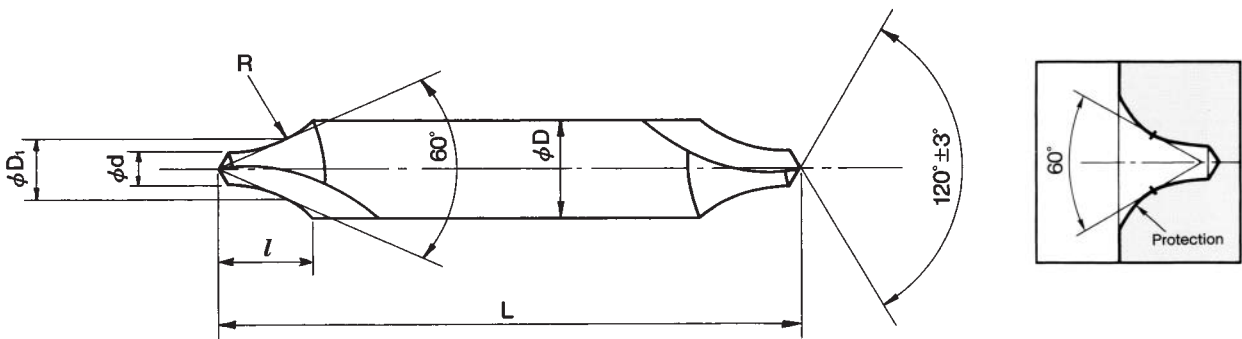
Material : SKH51

Unit : mm

Nominal size	d		D		D ₁	L		D1
	Size	Tolerance	Size	Tolerance	Size	Size	Tolerance	
1	1.0	±0.05	6.0	0 -0.018	2.5	45	+1 0	1.1
1.5	1.5	±0.05	8.0	0 -0.022	4.0	50	+1 0	1.6
2	2.0	±0.08	10.0	0 -0.022	5.0	55	+1 0	2.1
2.5	2.5	±0.08	12.0	0 -0.027	6.5	60	+1 0	2.6
3	3.0	±0.08	14.0	0 -0.027	8.0	65	+1 0	3.2
4	4.0	±0.08	18.0	0 -0.027	10.0	76	+1 0	4.2
5	5.0	±0.12	22.0	0 -0.033	12.0	88	+1 0	5.3
6	6.0	±0.12	25.0	0 -0.033	15.0	100	+1 0	6.3

OKABE CENTER DRILLS

OKABE Standard Type R



Material : SKH51

Unit : mm

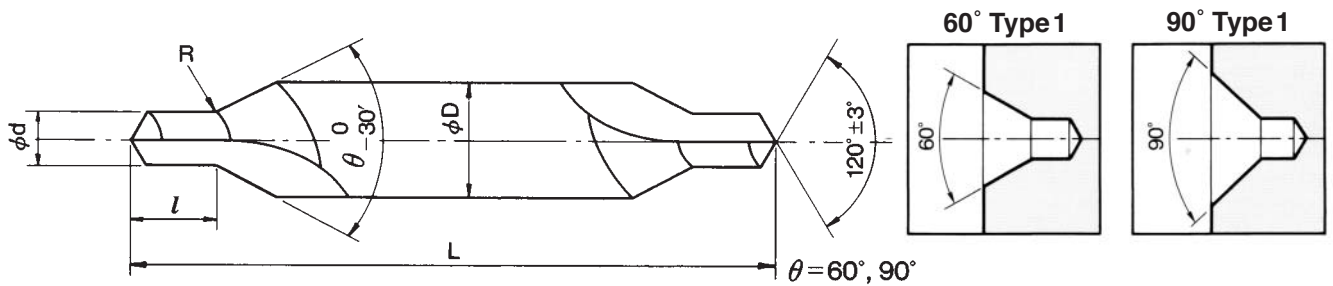
Nominal size	d		D		L	l	R	D1
	Size	Tolerance	Size	Tolerance				
0.7	0.7	±0.05	3.5	0 -0.018	36	3.0	3.5	1.7
1	1.0	±0.05	4.0	0 -0.018	36	4.0	4.0	2.1
1.2	1.2	±0.05	5.0	0 -0.018	42	4.3	5.0	2.5
1.5	1.5	±0.05	5.0	0 -0.018	42	5.0	5.0	2.8
2	2.0	±0.08	6.0	0 -0.018	47	6.0	6.0	3.6
2.5	2.5	±0.08	8.0	0 -0.022	53	7.5	8.0	4.6
3	3.0	±0.08	10.0	0 -0.022	58	9.5	10.0	5.7
4	4.0	±0.08	12.0	0 -0.027	69	11.0	12.0	7.2
5	5.0	±0.12	14.0	0 -0.027	82	13.0	14.0	8.8
6	6.0	±0.12	18.0	0 -0.027	95	16.0	18.0	10.8

OKABE CENTER DRILLS

HSS-Co. 鈷鋼中心鑽頭

OKABE Standard Type 1

硬度 HRC66°~67°

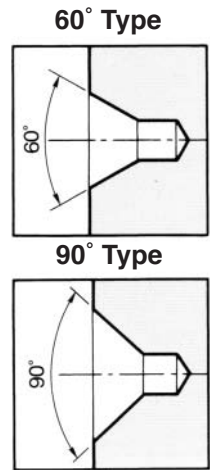
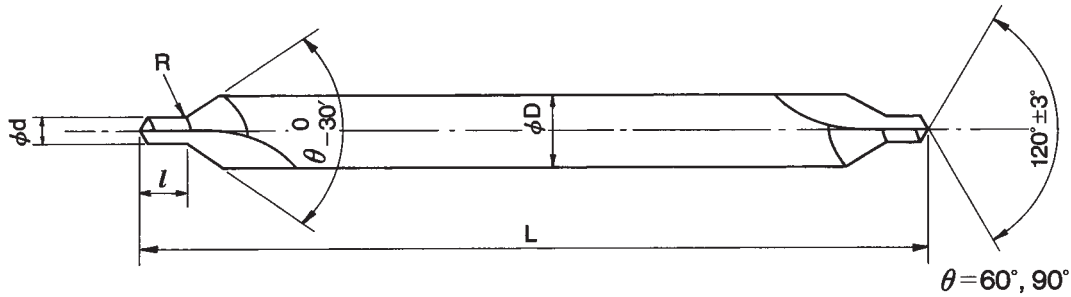


JIS B 4304

規格	單價	HSS-Co. - 長柄 - 鈷鋼中心鑽頭			
		鈷鋼 - 標準型	規格	單位	單價
1.0 m/m	2,600 00				
1.2	2,420 00	1.0 mm × 4.0 mm × 100 mm	支	1,760 00	
1.5	1,780 00	1.5 mm × 5.0 mm × 100 mm	支	1,250 00	
2.0	1,780 00	2.0 mm × 6.0 mm × 100 mm	支	1,360 00	
2.5	2,160 00	2.5 mm × 8.0 mm × 100 mm	支	1,700 00	
3.0 · 3.2	2,720 00	3.0 mm × 10.0 mm × 100 mm	支	1,960 00	
4.0	5,500 00	4.0 mm × 10.0 mm × 100 mm	支	2,300 00	
5.0	6,400 00	5.0 mm × 12.0 mm × 100 mm	支	3,300 00	
6.0	18,400 00				

OKABE CENTER DRILLS

OKABE Standard Long Shank Center Drills



Material : SKH51

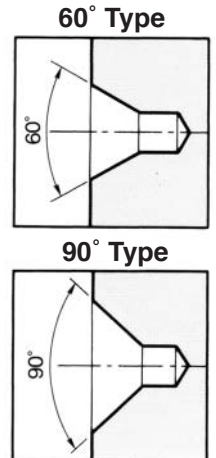
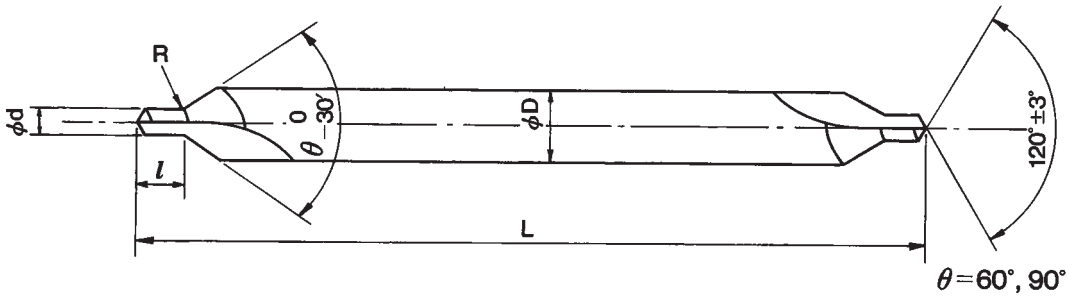
Unit : mm

Nominal size	d		D		L	I
	Size	Tolerance	Size	Tolerance		
1x4x100	1.0	±0.05	4.0	0 -0.03	100	1.2
1x4x150	1.0	±0.05	4.0	0 -0.03	150	1.2
1.5x5x100	1.5	±0.05	5.0	0 -0.03	100	1.9
1.5x5x150	1.5	±0.05	5.0	0 -0.03	150	1.9
2x6x100	2.0	±0.08	6.0	0 -0.03	100	2.5
2x6x150	2.0	±0.08	6.0	0 -0.03	150	2.5
2x6x200	2.0	±0.08	6.0	0 -0.03	200	2.5
2.5x8x100	2.5	±0.08	8.0	0 -0.036	100	3.1
2.5x8x150	2.5	±0.08	8.0	0 -0.036	150	3.1
2.5x8x200	2.5	±0.08	8.0	0 -0.036	200	3.1
3x8x100	3.0	±0.08	8.0	0 -0.036	100	3.7
3x8x150	3.0	±0.08	8.0	0 -0.036	150	3.7
3x8x200	3.0	±0.08	8.0	0 -0.036	200	3.7
3x10x100	3.0	±0.08	10.0	0 -0.036	100	3.7
3x10x150	3.0	±0.08	10.0	0 -0.036	150	3.7

Nominal size	d		D		L	I
	Size	Tolerance	Size	Tolerance		
3x10x200	3.0	±0.08	10.0	0 -0.036	200	3.7
3x10x250	3.0	±0.08	10.0	0 -0.036	250	3.7
4x10x100	4.0	±0.08	10.0	0 -0.036	100	5.0
4x10x150	4.0	±0.08	10.0	0 -0.036	150	5.0
4x10x200	4.0	±0.08	10.0	0 -0.036	200	5.0
4x10x250	4.0	±0.08	10.0	0 -0.036	250	5.0
4x12x100	4.0	±0.08	12.0	0 -0.043	100	5.0
4x12x150	4.0	±0.08	12.0	0 -0.043	150	5.0
4x12x200	4.0	±0.08	12.0	0 -0.043	200	5.0
4x12x250	4.0	±0.08	12.0	0 -0.043	250	5.0
5x12x100	5.0	±0.12	12.0	0 -0.043	100	6.3
5x12x150	5.0	±0.12	12.0	0 -0.043	150	6.3
5x12x200	5.0	±0.12	12.0	0 -0.043	200	6.3
5x12x250	5.0	±0.12	12.0	0 -0.043	250	6.3

OKABE CENTER DRILLS

**OKABE Standard
Long Shank Center Drills**



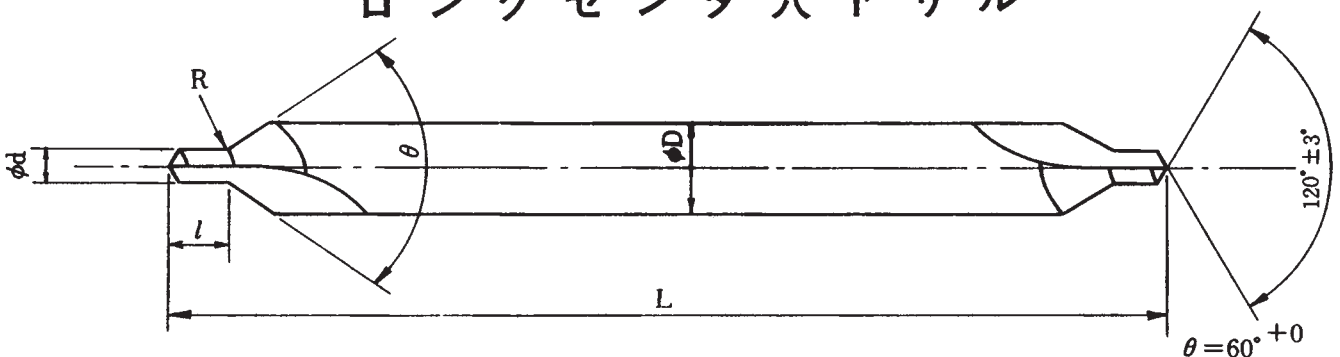
Material : SKH51

長柄—中心鑽頭

Unit : mm

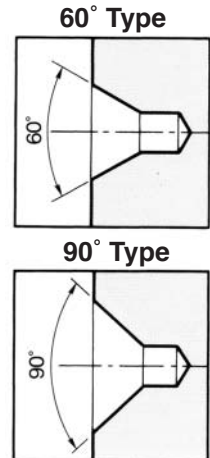
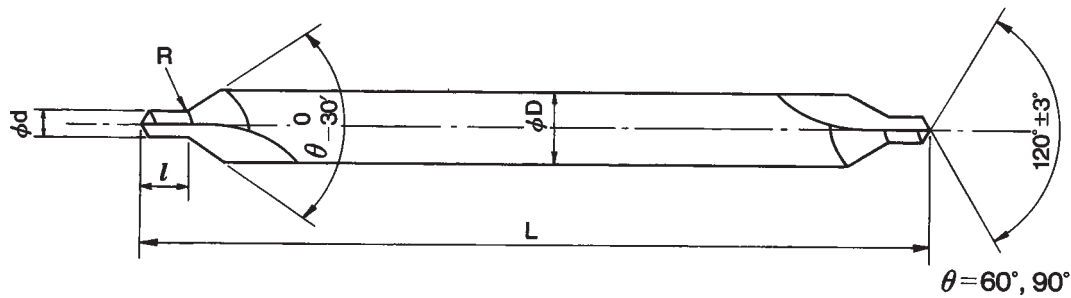
長柄—中心鑽頭	100 m/m 長	150 m/m 長	200 m/m 長	250 m/m 長
1.0 mm × 4.0 mm	1,500 00	2,500 00		
1.5 × 5.0	1,080 00	1,830 00		
2.0 × 6.0	1,170 00	1,900 00	2,860 00	
2.5 × 8.0	1,490 00	2,300 00	3,420 00	
3.0 × 10.0	1,680 00	2,460 00	3,700 00	5,500 00
4.0 × 10.0	1,680 00	2,460 00	4,600 00	6,300 00
5.0 × 12.0	2,520 00	3,300 00	4,920 00	6,300 00

**LONG CENTER DRILLS
ロングセンタ穴ドリル**



OKABE CENTER DRILLS

OKABE Standard Long Shank Center Drills



Material : SKH51

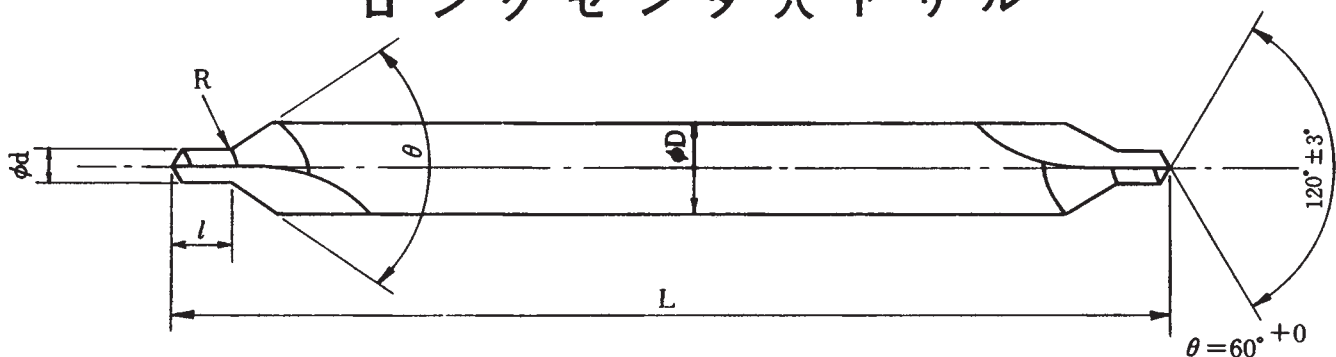
長柄—中心鑽頭—90°

Unit : mm

長柄—中心鑽頭	90° —100 m/m 長	90° —150 m/m 長	90° —200 m/m 長	90° —250 m/m 長
1.0 mm × 4.0 mm	1,700 00	2,870 00		
1.5 × 5.0	1,280 00	2,040 00		
2.0 × 6.0	1,400 00	2,120 00	3,170 00	
2.5 × 8.0	1,700 00	2,500 00	3,800 00	
3.0 × 10.0	1,890 00	2,875 00	4,140 00	5,870 00
4.0 × 10.0	1,890 00	2,875 00	5,180 00	6,900 00
5.0 × 12.0	2,780 00	3,660 00	5,520 00	7,250 00

LONG CENTER DRILLS

ロングセンタ穴ドリル



Center drills of special sizes and angles

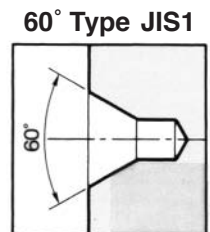
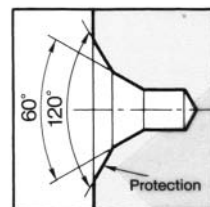
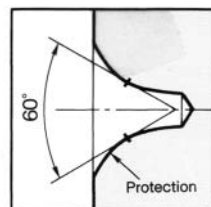
Center drills of special sizes and angles will be made to order upon customer's requests.



特殊規格中心鑽頭

OKABE

Center drills of special



刃徑 d(m/m)	柄徑D(m/m)			全長L(m/m)			JIS-A 60° 單價 (支)	JIS-B 60° x 120° 單價 (支)	JIS-C 60° 單價 (支)
	JIS-A	JIS-B	JIS-C	JIS-A	JIS-B	JIS-C			
0.5	3.15	3.15	3.15	31.5	31.5	31.5	630 00	900 00	1,100 00
0.63	3.15	3.15	3.15	31.5	31.5	31.5	550 00	820 00	1,100 00
0.8	3.15	3.15	3.15	31.5	31.5	31.5	480 00	750 00	960 00
1.0	3.15	4.0	3.15	31.5	35.5	31.5	480 00	650 00	860 00
1.25	3.15	5.0	4.0	31.5	40	35.5	450 00	620 00	990 00
1.6	4.0	6.3	5.0	35.5	45	40	270 00	640 00	640 00
2.0	5.0	8.0	6.3	40	50	55	300 00	620 00	720 00
2.5	6.3	10.0	8.0	45	56	50	340 00	850 00	780 00
3.15	8.0	11.2	10.0	50	60	56	430 00	1,250 00	1,100 00
4.0	10.0	14.0	12.5	56	67	63	640 00	1,700 00	1,800 00
5.0	12.5	18.0	16.0	63	75	71	1,250 00	3,300 00	3,200 00
6.3	16.0	20.0	18.0	71	80	75	2,100 00	4,400 00	4,000 00
8.0	20.0	25.0	22.4	80	100	90	3,600 00	6,500 00	6,000 00
10.0	25.0	31.5	28.0	100	125	12	6,200 00	12,000 00	11,400 00