

CUTTING TOOLS

REAMERS

STRAIGHT SHANK (CARBIDE)

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-Straight Flute

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(HSS)

-Spiral Flute

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-Helical Flute

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-Straight Flute

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TAPER SHANK (HSS)

-Spiral Flute

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-Helical Flute

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-Straight Flute

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REAMER

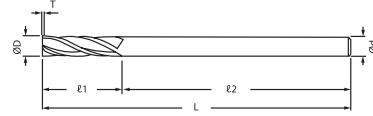
รีมเมอร์



DAIICHI TOOL

คาร์ไบด์รีมเมอร์ปลายตัด

SOLID CARBIDE RZ REAMERS



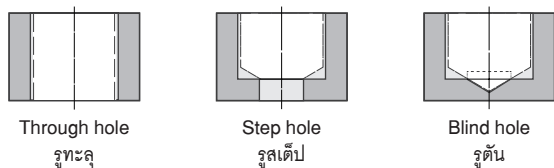
เนื่องจาก Chamfer มีขนาดเล็กมาก จึงสามารถทำงานจนถึงพื้นชิ้นงานได้เป็นอย่างดี
 ■ MAT : Carbide (spiral 30°)

(0.01m/m)

Order No.	Diameter	Flute Length	Shank Length	Overall Length	Shank Diameter	Chamfer
	D	ℓ1	ℓ2	L	d	T
CRZ-S3.0	3.0	20	60	80	3	0.2
CRZ-S3.1	3.1	20	60	80	3	0.2
CRZ-S3.2	3.2	20	60	80	3	0.2
CRZ-S3.3	3.3	20	60	80	3	0.2
CRZ-S3.4	3.4	20	60	80	3	0.2
CRZ-S3.5	3.5	20	60	80	3	0.2
CRZ-S3.6	3.6	20	60	80	3	0.2
CRZ-S3.7	3.7	20	60	80	3	0.2
CRZ-S3.8	3.8	20	60	80	3	0.2
CRZ-S3.9	3.9	20	60	80	3	0.2
CRZ-S4.0	4.0	25	65	90	4	0.2
CRZ-S4.1	4.1	25	65	90	4	0.2
CRZ-S4.2	4.2	25	65	90	4	0.2
CRZ-S4.3	4.3	25	65	90	4	0.2
CRZ-S4.4	4.4	25	65	90	4	0.2
CRZ-S4.5	4.5	25	65	90	4	0.2
CRZ-S4.6	4.6	25	65	90	4	0.2
CRZ-S4.7	4.7	25	65	90	4	0.2
CRZ-S4.8	4.8	25	65	90	4	0.2
CRZ-S4.9	4.9	25	65	90	4	0.2
CRZ-S5.0	5.0	25	75	100	5	0.2
CRZ-S5.1	5.1	25	75	100	5	0.2
CRZ-S5.2	5.2	25	75	100	5	0.2
CRZ-S5.3	5.3	25	75	100	5	0.2
CRZ-S5.4	5.4	25	75	100	5	0.2
CRZ-S5.5	5.5	25	75	100	5	0.2
CRZ-S5.6	5.6	25	75	100	5	0.2
CRZ-S5.7	5.7	25	75	100	5	0.2
CRZ-S5.8	5.8	25	75	100	5	0.2
CRZ-S5.9	5.9	25	75	100	5	0.2
CRZ-S6.0	6.0	25	85	110	6	0.3
CRZ-S6.1	6.1	25	85	110	6	0.3
CRZ-S6.2	6.2	25	85	110	6	0.3
CRZ-S6.3	6.3	25	85	110	6	0.3
CRZ-S6.4	6.4	25	85	110	6	0.3
CRZ-S6.5	6.5	25	85	110	6	0.3
CRZ-S6.6	6.6	25	85	110	6	0.3
CRZ-S6.7	6.7	25	85	110	6	0.3
CRZ-S6.8	6.8	25	85	110	6	0.3
CRZ-S6.9	6.9	25	85	110	6	0.3
CRZ-S7.0	7.0	25	100	125	7	0.3
CRZ-S7.1	7.1	25	100	125	7	0.3
CRZ-S7.2	7.2	25	100	125	7	0.3
CRZ-S7.3	7.3	25	100	125	7	0.3
CRZ-S7.4	7.4	25	100	125	7	0.3
CRZ-S7.5	7.5	25	100	125	7	0.3
CRZ-S7.6	7.6	25	100	125	7	0.3
CRZ-S7.7	7.7	25	100	125	7	0.3
CRZ-S7.8	7.8	25	100	125	7	0.3
CRZ-S7.9	7.9	25	100	125	7	0.3
CRZ-S8.0	8.0	25	110	135	8	0.3
CRZ-S8.1	8.1	25	110	135	8	0.3
CRZ-S8.2	8.2	25	110	135	8	0.3
CRZ-S8.3	8.3	25	110	135	8	0.3
CRZ-S8.4	8.4	25	110	135	8	0.3
CRZ-S8.5	8.5	25	110	135	8	0.3

Order No.	Diameter	Flute Length	Shank Length	Overall Length	Shank Diameter	Chamfer
	D	ℓ1	ℓ2	L	d	T
CRZ-S8.6	8.6	25	110	135	8	0.3
CRZ-S8.7	8.7	25	110	135	8	0.3
CRZ-S8.8	8.8	25	110	135	8	0.3
CRZ-S8.9	8.9	25	110	135	8	0.3
CRZ-S9.0	9.0	30	120	150	9	0.3
CRZ-S9.1	9.1	30	120	150	9	0.3
CRZ-S9.2	9.2	30	120	150	9	0.3
CRZ-S9.3	9.3	30	120	150	9	0.3
CRZ-S9.4	9.4	30	120	150	9	0.3
CRZ-S9.5	9.5	30	120	150	9	0.3
CRZ-S9.6	9.6	30	120	150	9	0.3
CRZ-S9.7	9.7	30	120	150	9	0.3
CRZ-S9.8	9.8	30	120	150	9	0.3
CRZ-S9.9	9.9	30	120	150	9	0.3
CRZ-S10.0	10.0	30	125	155	10	0.3
CRZ-S10.1	10.1	30	125	155	10	0.3
CRZ-S10.2	10.2	30	125	155	10	0.3
CRZ-S10.3	10.3	30	125	155	10	0.3
CRZ-S10.4	10.4	30	125	155	10	0.3
CRZ-S10.5	10.5	30	125	155	10	0.3
CRZ-S10.6	10.6	30	125	155	10	0.3
CRZ-S10.7	10.7	30	125	155	10	0.3
CRZ-S10.8	10.8	30	125	155	10	0.3
CRZ-S10.9	10.9	30	125	155	10	0.3
CRZ-S11.0	11.0	30	130	160	11	0.3
CRZ-S11.1	11.1	30	130	160	11	0.3
CRZ-S11.2	11.2	30	130	160	11	0.3
CRZ-S11.3	11.3	30	130	160	11	0.3
CRZ-S11.4	11.4	30	130	160	11	0.3
CRZ-S11.5	11.5	30	130	160	11	0.3
CRZ-S11.6	11.6	30	130	160	11	0.3
CRZ-S11.7	11.7	30	130	160	11	0.3
CRZ-S11.8	11.8	30	130	160	11	0.3
CRZ-S11.9	11.9	30	130	160	11	0.3
CRZ-S12.0	12.0	30	135	165	12	0.3
CRZ-S12.1	12.1	30	135	165	12	0.3
CRZ-S12.2	12.2	30	135	165	12	0.3
CRZ-S12.3	12.3	30	135	165	12	0.3
CRZ-S12.4	12.4	30	135	165	12	0.3
CRZ-S12.5	12.5	30	135	165	12	0.3
CRZ-S12.6	12.6	30	135	165	12	0.3
CRZ-S12.7	12.7	30	135	165	12	0.3
CRZ-S12.8	12.8	30	135	165	12	0.3
CRZ-S12.9	12.9	30	135	165	12	0.3
CRZ-S13.0	13.0	30	135	165	12	0.3

(Workpiece shape / ลักษณะชิ้นงาน)



Diameter	Tolerance
3.0	+0.006 +0.002
3.1 ~ 6.0	+0.009 +0.004
6.1 ~ 10.0	+0.012 +0.006
10.1 ~ 13.0	+0.015 +0.007
0.01 ㎎	+0.005 0

■ MAT : Carbide (spiral 30°) (0.01mm)

Order No.	Diameter	Flute Length	Shank Length	Overall Length	Shank Diameter	Chamfer
	D	ℓ1	ℓ2	L	d	T
CRZ-S3.01	3.01	20	60	80	3	0.2
CRZ-S3.02	3.02	20	60	80	3	0.2
CRZ-S3.03	3.03	20	60	80	3	0.2
CRZ-S3.04	3.04	20	60	80	3	0.2
CRZ-S3.05	3.05	20	60	80	3	0.2
CRZ-S3.95	3.95	20	60	80	3	0.2
CRZ-S3.96	3.96	20	60	80	3	0.2
CRZ-S3.97	3.97	20	60	80	3	0.2
CRZ-S3.98	3.98	20	60	80	3	0.2
CRZ-S3.99	3.99	20	60	80	3	0.2
CRZ-S4.01	4.01	25	65	90	4	0.2
CRZ-S4.02	4.02	25	65	90	4	0.2
CRZ-S4.03	4.03	25	65	90	4	0.2
CRZ-S4.04	4.04	25	65	90	4	0.2
CRZ-S4.05	4.05	25	65	90	4	0.2
CRZ-S4.95	4.95	25	65	90	4	0.2
CRZ-S4.96	4.96	25	65	90	4	0.2
CRZ-S4.97	4.97	25	65	90	4	0.2
CRZ-S4.98	4.98	25	65	90	4	0.2
CRZ-S4.99	4.99	25	65	90	4	0.2
CRZ-S5.01	5.01	25	75	100	5	0.2
CRZ-S5.02	5.02	25	75	100	5	0.2
CRZ-S5.03	5.03	25	75	100	5	0.2
CRZ-S5.04	5.04	25	75	100	5	0.2
CRZ-S5.05	5.05	25	75	100	5	0.2
CRZ-S5.95	5.95	25	75	100	5	0.2
CRZ-S5.96	5.96	25	75	100	5	0.2
CRZ-S5.97	5.97	25	75	100	5	0.2
CRZ-S5.98	5.98	25	75	100	5	0.2
CRZ-S5.99	5.99	25	75	100	5	0.2
CRZ-S6.01	6.01	25	85	110	6	0.3
CRZ-S6.02	6.02	25	85	110	6	0.3
CRZ-S6.03	6.03	25	85	110	6	0.3
CRZ-S6.04	6.04	25	85	110	6	0.3
CRZ-S6.05	6.05	25	85	110	6	0.3
CRZ-S6.95	6.95	25	85	110	6	0.3
CRZ-S6.96	6.96	25	85	110	6	0.3
CRZ-S6.97	6.97	25	85	110	6	0.3
CRZ-S6.98	6.98	25	85	110	6	0.3
CRZ-S6.99	6.99	25	85	110	6	0.3
CRZ-S7.01	7.01	25	100	125	7	0.3
CRZ-S7.02	7.02	25	100	125	7	0.3
CRZ-S7.03	7.03	25	100	125	7	0.3
CRZ-S7.04	7.04	25	100	125	7	0.3
CRZ-S7.05	7.05	25	100	125	7	0.3
CRZ-S7.95	7.95	25	100	125	7	0.3
CRZ-S7.96	7.96	25	100	125	7	0.3
CRZ-S7.97	7.97	25	100	125	7	0.3
CRZ-S7.98	7.98	25	100	125	7	0.3
CRZ-S7.99	7.99	25	100	125	7	0.3
CRZ-S8.01	8.01	25	110	135	8	0.3
CRZ-S8.02	8.02	25	110	135	8	0.3
CRZ-S8.03	8.03	25	110	135	8	0.3
CRZ-S8.04	8.04	25	110	135	8	0.3
CRZ-S8.05	8.05	25	110	135	8	0.3
CRZ-S8.95	8.95	25	110	135	8	0.3
CRZ-S8.96	8.96	25	110	135	8	0.3
CRZ-S8.97	8.97	25	110	135	8	0.3

Order No.	Diameter	Flute Length	Shank Length	Overall Length	Shank Diameter	Chamfer
	D	ℓ1	ℓ2	L	d	T
CRZ-S8.98	8.98	25	110	135	8	0.3
CRZ-S8.99	8.99	25	110	135	8	0.3
CRZ-S9.01	9.01	30	120	150	9	0.3
CRZ-S9.02	9.02	30	120	150	9	0.3
CRZ-S9.03	9.03	30	120	150	9	0.3
CRZ-S9.04	9.04	30	120	150	9	0.3
CRZ-S9.05	9.05	30	120	150	9	0.3
CRZ-S9.95	9.95	30	120	150	9	0.3
CRZ-S9.96	9.96	30	120	150	9	0.3
CRZ-S9.97	9.97	30	120	150	9	0.3
CRZ-S9.98	9.98	30	120	150	9	0.3
CRZ-S9.99	9.99	30	120	150	9	0.3
CRZ-S10.01	10.01	30	125	155	10	0.3
CRZ-S10.02	10.02	30	125	155	10	0.3
CRZ-S10.03	10.03	30	125	155	10	0.3
CRZ-S10.04	10.04	30	125	155	10	0.3
CRZ-S10.05	10.05	30	125	155	10	0.3
CRZ-S10.95	10.95	30	125	155	10	0.3
CRZ-S10.96	10.96	30	125	155	10	0.3
CRZ-S10.97	10.97	30	125	155	10	0.3
CRZ-S10.98	10.98	30	125	155	10	0.3
CRZ-S10.99	10.99	30	125	155	10	0.3
CRZ-S11.01	11.01	30	130	160	11	0.3
CRZ-S11.02	11.02	30	130	160	11	0.3
CRZ-S11.03	11.03	30	130	160	11	0.3
CRZ-S11.04	11.04	30	130	160	11	0.3
CRZ-S11.05	11.05	30	130	160	11	0.3
CRZ-S11.95	11.95	30	130	160	11	0.3
CRZ-S11.96	11.96	30	130	160	11	0.3
CRZ-S11.97	11.97	30	130	160	11	0.3
CRZ-S11.98	11.98	30	130	160	11	0.3
CRZ-S11.99	11.99	30	130	160	11	0.3
CRZ-S12.01	12.01	30	135	165	12	0.3
CRZ-S12.02	12.02	30	135	165	12	0.3
CRZ-S12.03	12.03	30	135	165	12	0.3
CRZ-S12.04	12.04	30	135	165	12	0.3
CRZ-S12.05	12.05	30	135	165	12	0.3
CRZ-S12.95	12.95	30	135	165	12	0.3
CRZ-S12.96	12.96	30	135	165	12	0.3
CRZ-S12.97	12.97	30	135	165	12	0.3
CRZ-S12.98	12.98	30	135	165	12	0.3
CRZ-S12.99	12.99	30	135	165	12	0.3

Carbide

คาร์ไบด์

HSS

ไฮสปีด

Spiral Flute

ร่องเกลียว

Straight Flute

ร่องตรง

Helical Flute

ร่องเกลียวคี่

REAMER

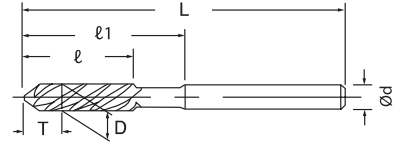
รีมเมอร์



DAIICHI TOOL

คาร์ไบด์รีมเมอร์ปลายแหลม

SUPER 30 (SOLID CARBIDE REAMERS)



■ MAT : Carbide (spiral 30°)

(0.01m/m)

Order No.	Diameter	Flute Length	Shank Length	Overall Length	Shank Diameter	Chamfer
	D	l1	l2	L	d	T
SUP0.3	0.3	8	-	41.0	1.0	2
SUP0.4	0.4	8	-	41.0	1.0	2
SUP0.5	0.5	8	13	41.0	1.0	2
SUP0.6	0.6	8	13	41.0	1.0	2
SUP0.7	0.7	8	13	41.0	1.0	2.5
SUP0.8	0.8	8	13	41.0	1.0	2.5
SUP0.9	0.9	8	16	41.0	1.0	2.5
SUP1.0	1.0	8	16	41.0	1.0	2.5
SUP1.1	1.1	10	16	41.0	1.5	2.5
SUP1.2	1.2	10	16	41.0	1.5	2.5
SUP1.3	1.3	10	16	41.0	1.5	2.5
SUP1.4	1.4	10	16	41.0	1.5	2.5
SUP1.5	1.5	10	16	41.0	1.5	2.5
SUP1.6	1.6	10	16	41.5	2.0	3
SUP1.7	1.7	10	16	41.5	2.0	3
SUP1.8	1.8	10	16	41.5	2.0	3
SUP1.9	1.9	10	16	41.5	2.0	3
SUP2.0	2.0	10	16	41.5	2.0	3
SUP2.1	2.1	12	18	41.5	2.5	3
SUP2.2	2.2	12	18	41.5	2.5	3
SUP2.3	2.3	12	18	41.5	2.5	3
SUP2.4	2.4	12	18	41.5	2.5	3
SUP2.5	2.5	12	18	41.5	2.5	3
SUP2.6	2.6	12	18	41.5	3.0	3
SUP2.7	2.7	12	18	41.5	3.0	3
SUP2.8	2.8	12	18	41.5	3.0	3
SUP2.9	2.9	12	18	41.5	3.0	3
SUP3.0	3.0	12	18	41.5	3.0	3
SUP3.1 ~ 3.5	3.1~3.5	20	30	60.0	3.5	3.5
SUP3.6 ~ 4.0	3.6~4.0	20	30	60.0	4.0	3.5
SUP4.1 ~ 4.5	4.1~4.5	20	40	70.0	4.5	4
SUP4.6 ~ 5.0	4.6~5.0	20	40	70.0	5.0	4
SUP5.1 ~ 5.5	5.1~5.5	25	40	80.0	5.5	4
SUP5.6 ~ 6.0	5.6~6.0	25	40	80.0	6.0	4.5
SUP6.1 ~ 6.5	6.1~6.5	25	40	80.0	6.5	4.5
SUP6.6 ~ 7.0	6.6~7.0	25	40	80.0	7.0	4.5
SUP7.1 ~ 7.5	7.1~7.5	30	40	80.0	7.5	5
SUP7.6 ~ 8.0	7.6~8.0	30	40	80.0	8.0	5
SUP0.31~0.39	0.31~0.39	8	-	41.0	1.0	2
SUP0.41~0.49	0.41~0.49	8	-	41.0	1.0	2
SUP0.51~0.59	0.51~0.59	8	13	41.0	1.0	2
SUP0.61~0.69	0.61~0.69	8	13	41.0	1.0	2
SUP0.71~0.79	0.71~0.79	8	13	41.0	1.0	2.5
SUP0.81~0.89	0.81~0.89	8	16	41.0	1.0	2.5
SUP0.91~0.99	0.91~0.99	8	16	41.0	1.0	2.5
SUP1.01~1.09	1.01~1.09	10	16	41.0	1.5	2.5
SUP1.11~1.19	1.11~1.19	10	16	41.0	1.5	2.5
SUP1.21~1.29	1.21~1.29	10	16	41.0	1.5	2.5
SUP1.31~1.39	1.31~1.39	10	16	41.0	1.5	2.5
SUP1.41~1.49	1.41~1.49	10	16	41.0	1.5	2.5
SUP1.51~1.59	1.51~1.59	10	16	41.5	2.0	3
SUP1.61~1.69	1.61~1.69	10	16	41.5	2.0	3
SUP1.71~1.79	1.71~1.79	10	16	41.5	2.0	3
SUP1.81~1.89	1.81~1.89	10	16	41.5	2.0	3
SUP1.91~1.99	1.91~1.99	10	16	41.5	2.0	3
SUP2.01~2.09	2.01~2.09	12	18	41.5	2.5	3
SUP2.11~2.19	2.11~2.19	12	18	41.5	2.5	3
SUP2.21~2.29	2.21~2.29	12	18	41.5	2.5	3
SUP2.31~2.39	2.31~2.39	12	18	41.5	2.5	3
SUP2.41~2.49	2.41~2.49	12	18	41.5	2.5	3
SUP2.51~2.59	2.51~2.59	12	18	41.5	3.0	3
SUP2.61~2.69	2.61~2.69	12	18	41.5	3.0	3
SUP2.71~2.79	2.71~2.79	12	18	41.5	3.0	3
SUP2.81~2.89	2.81~2.89	12	18	41.5	3.0	3
SUP2.91~2.99	2.91~2.99	12	18	41.5	3.0	3
SUP3.01~3.05	3.01~3.05	20	30	60.0	3.5	3.5
SUP3.97~3.99	3.97~3.99	20	30	60.0	4.0	3.5
SUP4.01~4.05	4.01~4.05	20	30	70.0	4.5	4
SUP4.97~4.99	4.97~4.99	20	30	70.0	5.0	4
SUP5.01~5.05	5.01~5.05	20	30	70.0	5.0	4
SUP5.97~5.99	5.97~5.99	25	40	80.0	6.0	4
SUP6.01~6.05	6.01~6.05	25	40	80.0	6.0	4.5
SUP6.97~6.99	6.97~6.99	25	40	80.0	7.0	4.5
SUP7.01~7.05	7.01~7.05	25	40	80.0	7.0	4.5
SUP7.97~7.99	7.97~7.99	30	40	80.0	8.0	5
SUP8.01~8.05	8.01~8.05	30	40	80.0	8.0	5

Straight Shank
ก้านตรง

Carbide

คาร์ไบด์

HSS

ไฮสปีด

Spiral Flute

ร่องเกลียว

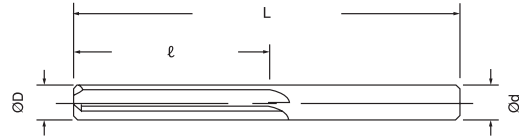
Straight Flute

ร่องตรง

Helical Flute

ร่องเอียง

คาร์ไบด์รีมเมอร์ร่องตรง
SOLID CARBIDE REAMER



■ MAT : Carbide

(0.01m/m)

Order No.	Diameter	Flute Length	Overall Length	Shank Diameter	Chamfer
	D	ℓ	L	d	N
COR1.0	1.0	20	50	1.5	4
COR1.1	1.1	20	50	1.5	4
COR1.2	1.2	20	50	1.5	4
COR1.3	1.3	20	50	1.5	4
COR1.4	1.4	20	50	1.5	4
COR1.5	1.5	25	50	1.5	4
COR1.6	1.6	25	50	1.6	4
COR1.7	1.7	25	50	1.7	4
COR1.8	1.8	25	50	1.8	4
COR1.9	1.9	25	50	1.9	4
COR2.0	2.0	25	50	2	4
COR2.1	2.1	25	50	2.1	4
COR2.2	2.2	25	50	2.2	4
COR2.3	2.3	25	50	2.3	4
COR2.4	2.4	25	50	2.4	4
COR2.5	2.5	25	50	2.5	4
COR2.6	2.6	25	50	2.6	4
COR2.7	2.7	25	50	2.7	4
COR2.8	2.8	25	50	2.8	4
COR2.9	2.9	30	60	2.9	4
COR3.0	3.0	30	60	3	4
COR3.1	3.1	30	60	3.1	4
COR3.2	3.2	30	60	3.2	4
COR3.3	3.3	30	60	3.3	4
COR3.4	3.4	30	60	3.4	4
COR3.5	3.5	30	60	3.5	4
COR3.6	3.6	30	60	3.6	4
COR3.7	3.7	35	70	3.7	4
COR3.8	3.8	35	70	3.8	4
COR3.9	3.9	35	70	3.9	4
COR4.0	4.0	35	70	4	6
COR4.1	4.1	35	70	4.1	6
COR4.2	4.2	35	70	4.2	6
COR4.3	4.3	35	70	4.3	6
COR4.4	4.4	35	70	4.4	6
COR4.5	4.5	35	70	4.5	6
COR4.6	4.6	35	70	4.6	6
COR4.7	4.7	40	80	4.7	6
COR4.8	4.8	40	80	4.8	6
COR4.9	4.9	40	80	4.9	6
COR5.0	5.0	40	80	5.0	6
COR5.1	5.1	40	80	5.1	6
COR5.2	5.2	40	80	5.2	6
COR5.3	5.3	40	80	5.3	6
COR5.4	5.4	40	80	5.4	6
COR5.5	5.5	40	80	5.5	6
COR5.6	5.6	40	80	5.6	6
COR5.7	5.7	45	90	5.7	6
COR5.8	5.8	45	90	5.8	6
COR5.9	5.9	45	90	5.9	6

Order No.	Diameter	Flute Length	Overall Length	Shank Diameter	Chamfer
	D	ℓ	L	d	N
COR6.0	6.0	45	90	6.0	6
COR1.01~1.09	1.01~1.09	20	50	1.5	4
COR1.11~1.49	1.11~1.49	20	50	1.5	4
COR1.51~1.99	1.51~1.99	25	50	※	4
COR2.01~2.09	2.01~2.09	25	50	※	4
COR2.11~2.79	2.11~2.79	25	50	※	4
COR2.81~2.99	2.81~2.99	30	60	※	4
COR3.01~3.09	3.01~3.09	30	60	※	4
COR3.11~3.59	3.11~3.59	30	60	※	4
COR3.61~3.99	3.61~3.99	35	70	※	4
COR4.01~4.09	4.01~4.09	35	70	※	6
COR4.11~4.59	4.11~4.59	35	70	※	6
COR4.61~4.99	4.61~4.99	40	80	※	6
COR5.01~5.09	5.01~5.09	40	80	※	6
COR5.11~5.59	5.11~5.59	40	80	※	6
COR5.61~5.69	5.61~5.69	45	90	※	6
COR5.71~5.99	5.71~5.99	45	90	※	6
COR6.01~6.05	6.01~6.05	45	90	※	6

※ 刃径同径

Carbide

คาร์ไบด์

HSS

ไฮสปีด

Spiral Flute

ร่องเกลียว

Straight Flute

ร่องตรง

Helical Flute

ร่องเกลียว

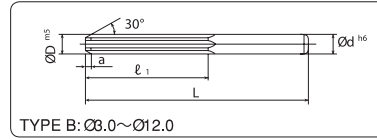
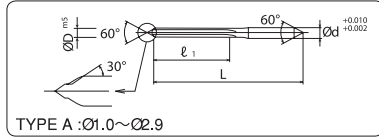
REAMER

รีมเมอร์



คาร์ไบด์รีมเมอร์

Solid Short Carbide Chucking Reamers



Straight

- Solid type
- Ten times longer tool life than HSS reamers!

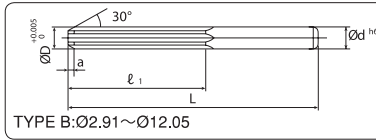
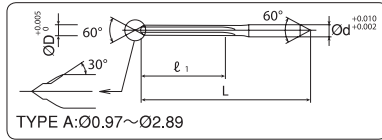
- All-around type corresponding to the work that is wide from cast iron to steel.
- The highly precise hole processing is possible, and the processing time is short, too.

Order No.	Size						Type
	Diameter	Flute Length	Overall Length	Handle diameter	Bite length	Number of teeth	
	D	ℓ1	L	d	a	NT	
CSR-010	1.0	12	50	1	0.3	4	A
CSR-011~015	1.1~1.5	15	50	1.5	0.3	4	
CSR-016~019	1.6~1.9	18	50	2	0.3	4	
CSR-020	2.0	18	50	2	0.3	4	
CSR-021~025	2.1~2.5	20	50	2.5	0.3	4	
CSR-026~029	2.6~2.9	20	50	3	0.3	4	
CSR-030	3.0	27	60	3	0.5	4	
CSR-031~035	3.1~3.5	27	60	3.5	0.5	4	
CSR-036~039	3.6~3.9	27	60	4	0.5	4	
CSR-040	4.0	27	60	4	0.5	4	
CSR-041~045	4.1~4.5	30	70	4.5	0.5	6	
CSR-046~049	4.6~4.9	30	70	5	0.5	6	
CSR-050	5.0	30	70	5	0.5	6	
CSR-051~055	5.1~5.5	30	80	5.5	0.8	6	
CSR-056~059	5.6~5.9	30	80	6	0.8	6	
CSR-060	6.0	30	80	6	0.8	6	
CSR-061~065	6.1~6.5	35	80	7	0.8	6	

Order No.	Size						Type
	Diameter	Flute Length	Overall Length	Handle diameter	Bite length	Number of teeth	
	D	ℓ1	L	d	a	NT	
CSR-066~069	6.6~6.9	35	80	7	0.8	6	B
CSR-070	7.0	35	80	7	0.8	6	
CSR071~075	7.1~7.5	35	80	8	0.8	6	
CSR-076~079	7.6~7.9	35	80	8	0.8	6	
CSR-080	8.0	35	80	8	0.8	6	
CSR-081~085	8.1~8.5	40	90	9	1.0~1.2	6	
CSR-086~089	8.6~8.9	40	90	9	1.0~1.2	6	
CSR-090	9.0	40	90	9	1.0~1.2	6	
CSR-091~095	9.1~9.5	40	90	10	1.0~1.2	6	
CSR-096~099	9.6~9.9	40	90	10	1.0~1.2	6	
CSR-100	10.0	40	90	10	1.0~1.2	6	
CSR-101~105	10.1~10.5	40	90	11	1.0~1.2	6	
CSR-106~109	10.6~10.9	40	90	11	1.0~1.2	6	
CSR-110	11.0	40	90	11	1.0~1.2	6	
CSR-111~115	11.1~11.5	45	90	12	1.3~1.5	6	
CSR-116~119	11.6~11.9	45	90	12	1.3~1.5	6	
CSR-120	12.0	45	90	12	1.3~1.5	6	

คาร์ไบด์รีมเมอร์

Solid Short Carbide Chucking Reamers



• Solid type
• 0.005 step sizes were added. (Whole size 0.03)

• Whole sizes were added..

Order No.	Size						Type
	Diameter	Flute Length	Overall Length	Handle diameter	Bite length	Number of teeth	
	D	ℓ ₁	L	d	a	NT	
CSRM0097	0.97	12	50	1	0.3	4	B
CSRM00975	0.975	12	50	1	0.3	4	
CSRM0098	0.98	12	50	1	0.3	4	
CSRM00985	0.985	12	50	1	0.3	4	
CSRM0099	0.99	12	50	1	0.3	4	
CSRM00995	0.995	12	50	1	0.3	4	
CSRM0100	1.00	12	50	1	0.3	4	
CSRM01005	1.005	15	50	1.5	0.3	4	
CSRM0101	1.01	15	50	1.5	0.3	4	
CSRM01015	1.015	15	50	1.5	0.3	4	
CSRM0102	1.02	15	50	1.5	0.3	4	
CSRM01025	1.025	15	50	1.5	0.3	4	
CSRM0103-0149	1.03~1.49	15	50	1.5	0.3	4	
CSRM0151-0197	1.51~1.97	18	50	2	0.3	4	
CSRM01975	1.975	18	50	2	0.3	4	
CSRM0198	1.98	18	50	2	0.3	4	
CSRM01985	1.985	18	50	2	0.3	4	
CSRM0199	1.99	18	50	2	0.3	4	
CSRM01995	1.995	18	50	2	0.3	4	
CSRM0200	2.00	18	50	2	0.3	4	
CSRM02005	2.005	20	50	2.5	0.3	4	
CSRM0201	2.01	20	50	2.5	0.3	4	
CSRM02015	2.015	20	50	2.5	0.3	4	
CSRM0202	2.02	20	50	2.5	0.3	4	
CSRM02025	2.025	20	50	2.5	0.3	4	
CSRM0203-0249	2.03~2.49	20	50	2.5	0.3	4	
CSRM0251-0289	2.51~2.89	20	50	3	0.3	4	
CSRM0291-0297	2.91~2.97	27	60	3	0.5	4	
CSRM02975	2.975	27	60	3	0.5	4	
CSRM0298	2.98	27	60	3	0.5	4	
CSRM02985	2.985	27	60	3	0.5	4	
CSRM0299	2.99	27	60	3	0.5	4	
CSRM02995	2.995	27	60	3	0.5	4	
CSRM0300	3.00	27	60	3	0.5	4	
CSRM03005	3.005	27	60	3.5	0.5	4	
CSRM0301	3.01	27	60	3.5	0.5	4	
CSRM03015	3.015	27	60	3.5	0.5	4	
CSRM0302	3.02	27	60	3.5	0.5	4	
CSRM03025	3.025	27	60	3.5	0.5	4	
CSRM0303-0349	3.03~3.49	27	60	3.5	0.5	4	
CSRM0351-0397	3.51~3.97	27	60	4	0.5	4	
CSRM03975	3.975	27	60	4	0.5	4	
CSRM0398	3.98	27	60	4	0.5	4	
CSRM03985	3.985	27	60	4	0.5	4	
CSRM0399	3.99	27	60	4	0.5	4	
CSRM03995	3.995	27	60	4	0.5	4	

Order No.	Size						Type
	Diameter	Flute Length	Overall Length	Handle diameter	Bite length	Number of teeth	
	D	ℓ ₁	L	d	a	NT	
CSRM0400	4.00	27	60	4	0.5	4	B
CSRM04005	4.005	30	70	4.5	0.5	6	
CSRM0401	4.01	30	70	4.5	0.5	6	
CSRM04015	4.015	30	70	4.5	0.5	6	
CSRM0402	4.02	30	70	4.5	0.5	6	
CSRM04025	4.025	30	70	4.5	0.5	6	
CSRM0403-0449	4.03~4.49	30	70	4.5	0.5	6	
CSRM0451-0497	4.51~4.97	30	70	5	0.5	6	
CSRM04975	4.975	30	70	5	0.5	6	
CSRM0498	4.98	30	70	5	0.5	6	
CSRM04985	4.985	30	70	5	0.5	6	
CSRM0499	4.99	30	70	5	0.5	6	
CSRM04995	4.995	30	70	5	0.5	6	
CSRM0500	5.00	30	70	5	0.5	6	
CSRM05005	5.005	30	80	5.5	0.8	6	
CSRM0501	5.01	30	80	5.5	0.8	6	
CSRM05015	5.015	30	80	5.5	0.8	6	
CSRM0502	5.02	30	80	5.5	0.8	6	
CSRM05025	5.025	30	80	5.5	0.8	6	
CSRM0503-0549	5.03~5.49	30	80	5.5	0.8	6	
CSRM0551-0597	5.51~5.97	30	80	6	0.8	6	
CSRM05975	5.975	30	80	6	0.8	6	
CSRM0598	5.98	30	80	6	0.8	6	
CSRM05985	5.985	30	80	6	0.8	6	
CSRM0599	5.99	30	80	6	0.8	6	
CSRM05995	5.995	30	80	6	0.8	6	
CSRM0600	6.00	30	80	6	0.8	6	
CSRM06005	6.005	35	80	7	0.8	6	
CSRM0601	6.01	35	80	7	0.8	6	
CSRM06015	6.015	35	80	7	0.8	6	
CSRM0602	6.02	35	80	7	0.8	6	
CSRM06025	6.025	35	80	7	0.8	6	
CSRM0603-0649	6.03~6.49	35	80	7	0.8	6	
CSRM0651-0697	6.51~6.97	35	80	7	0.8	6	
CSRM06975	6.975	35	80	7	0.8	6	
CSRM0698	6.98	35	80	7	0.8	6	
CSRM06985	6.985	35	80	7	0.8	6	
CSRM0699	6.990	35	80	7	0.8	6	
CSRM06995	6.995	35	80	7	0.8	6	
CSRM0700	7.00	35	80	7	0.8	6	
CSRM07005	7.005	35	80	8	0.8	6	
CSRM0701	7.01	35	80	8	0.8	6	
CSRM07015	7.015	35	80	8	0.8	6	
CSRM0702	7.02	35	80	8	0.8	6	
CSRM07025	7.025	35	80	8	0.8	6	
CSRM0703-0749	7.03~7.49	35	80	8	0.8	6	

REAMER

รีมเมอร์



Straight Shank
ก้านตรง

Carbide
คาร์ไบด์

HSS
ไฮสปีด

Spiral Flute
ร่องเกลียว

Straight Flute
ร่องตรง

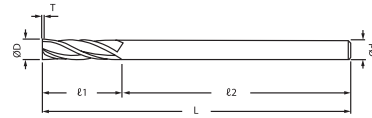
Helical Flute
ร่องเอียง

Order No.	Size						Type
	Diameter	Flute Length	Overall Length	Handle diameter	Bite length	Number of teeth	
	D	ℓ1	L	d	a	NT	
CSRM0751-0797	7.51~7.97	35	80	8	0.8	6	
CSRM07975	7.975	35	80	8	0.8	6	
CSRM0798	7.98	35	80	8	0.8	6	
CSRM07985	7.985	35	80	8	0.8	6	
CSRM0799	7.99	35	80	8	0.8	6	
CSRM07995	7.995	35	80	8	0.8	6	
CSRM0800	8.00	35	80	8	0.8	6	
CSRM08005	8.005	40	90	9	1.0~1.2	6	
CSRM0801	8.01	40	90	9	1.0~1.2	6	
CSRM08015	8.015	40	90	9	1.0~1.2	6	
CSRM0802	8.02	40	90	9	1.0~1.2	6	
CSRM08025	8.025	40	90	9	1.0~1.2	6	
CSRM0803-0849	8.03~8.49	40	90	9	1.0~1.2	6	
CSRM0851-0897	8.51~8.97	40	90	9	1.0~1.2	6	
CSRM08975	8.975	40	90	9	1.0~1.2	6	B
CSRM0898	8.98	40	90	9	1.0~1.2	6	
CSRM08985	8.985	40	90	9	1.0~1.2	6	
CSRM0899	8.99	40	90	9	1.0~1.2	6	
CSRM08995	8.995	40	90	9	1.0~1.2	6	
CSRM0900	9.00	40	90	9	1.0~1.2	6	
CSRM09005	9.005	40	90	10	1.0~1.2	6	
CSRM0901	9.01	40	90	10	1.0~1.2	6	
CSRM09015	9.015	40	90	10	1.0~1.2	6	
CSRM0902	9.02	40	90	10	1.0~1.2	6	
CSRM09025	9.025	40	90	10	1.0~1.2	6	
CSRM0903-0949	9.03~9.49	40	90	10	1.0~1.2	6	
CSRM0951-0997	9.51~9.97	40	90	10	1.0~1.2	6	
CSRM09975	9.975	40	90	10	1.0~1.2	6	
CSRM0998	9.98	40	90	10	1.0~1.2	6	
CSRM09985	9.985	40	90	10	1.0~1.2	6	
CSRM0999	9.99	40	90	10	1.0~1.2	6	
CSRM09995	9.995	40	90	10	1.0~1.2	6	

Order No.	Size						Type
	Diameter	Flute Length	Overall Length	Handle diameter	Bite length	Number of teeth	
	D	ℓ1	L	d	a	NT	
CSRM1000	10.00	40	90	10	1.0~1.2	6	
CSRM10005	10.005	40	90	11	1.0~1.2	6	
CSRM1001	10.01	40	90	11	1.0~1.2	6	
CSRM10015	10.015	40	90	11	1.0~1.2	6	
CSRM1002	10.02	40	90	11	1.0~1.2	6	
CSRM10025	10.025	40	90	11	1.0~1.2	6	
CSRM1003~1049	10.03~10.49	40	90	11	1.0~1.2	6	
CSRM1051~1097	10.51~10.97	40	90	11	1.0~1.2	6	
CSRM10975	10.975	40	90	11	1.0~1.2	6	
CSRM1098	10.98	40	90	11	1.0~1.2	6	
CSRM10985	10.985	40	90	11	1.0~1.2	6	
CSRM1099	10.99	40	90	11	1.0~1.2	6	
CSRM10995	10.995	40	90	11	1.0~1.2	6	
CSRM1100	11.00	40	90	11	1.0~1.2	6	
CSRM11005	11.005	45	90	12	1.3~1.5	6	B
CSRM1101	11.01	45	90	12	1.3~1.5	6	
CSRM11015	11.015	45	90	12	1.3~1.5	6	
CSRM1102	11.02	45	90	12	1.3~1.5	6	
CSRM11025	11.025	45	90	12	1.3~1.5	6	
CSRM1103~1149	11.03~11.49	45	90	12	1.3~1.5	6	
CSRM1151~1197	11.51~11.97	45	90	12	1.3~1.5	6	
CSRM11975	11.975	45	90	12	1.3~1.5	6	
CSRM1198	11.98	45	90	12	1.3~1.5	6	
CSRM11985	11.985	45	90	12	1.3~1.5	6	
CSRM1199	11.99	45	90	12	1.3~1.5	6	
CSRM11995	11.995	45	90	12	1.3~1.5	6	
CSRM1200	12.00	45	90	12	1.3~1.5	6	
CSRM12005	12.005	45	90	12	1.3~1.5	6	
CSRM1201	12.01	45	90	12	1.3~1.5	6	
CSRM12015	12.015	45	90	12	1.3~1.5	6	
CSRM1202	12.02	45	90	12	1.3~1.5	6	
CSRM12025	12.025	45	90	12	1.3~1.5	6	
CSRM1203~1205	12.03~12.05	45	90	12	1.3~1.5	6	



ไฮสปีดรีมเมอร์ปลายตัด RZ HSS REAMERS



เนื่องจาก Chamfer มีขนาดเล็กมาก จึงสามารถทำงานจนถึงพื้นชิ้นงานได้เป็นอย่างดี
 ■ MAT : HSS-CO (spiral 30°)

(0.1m/m)

Order No.	Diameter	Flute Length	Shank Length	Overall Length	Shank Diameter	Chamfer
	D	l1	l2	L	d	T
RZ-S3.0	3.0	20	60	80	3	0.2
RZ-S3.1	3.1	20	60	80	3	0.2
RZ-S3.2	3.2	20	60	80	3	0.2
RZ-S3.3	3.3	20	60	80	3	0.2
RZ-S3.4	3.4	20	60	80	3	0.2
RZ-S3.5	3.5	20	60	80	3	0.2
RZ-S3.6	3.6	20	60	80	3	0.2
RZ-S3.7	3.7	20	60	80	3	0.2
RZ-S3.8	3.8	20	60	80	3	0.2
RZ-S3.9	3.9	20	60	80	3	0.2
RZ-S4.0	4.0	25	65	90	4	0.2
RZ-S4.1	4.1	25	65	90	4	0.2
RZ-S4.2	4.2	25	65	90	4	0.2
RZ-S4.3	4.3	25	65	90	4	0.2
RZ-S4.4	4.4	25	65	90	4	0.2
RZ-S4.5	4.5	25	65	90	4	0.2
RZ-S4.6	4.6	25	65	90	4	0.2
RZ-S4.7	4.7	25	65	90	4	0.2
RZ-S4.8	4.8	25	65	90	4	0.2
RZ-S4.9	4.9	25	65	90	4	0.2
RZ-S5.0	5.0	25	75	100	5	0.2
RZ-S5.1	5.1	25	75	100	5	0.2
RZ-S5.2	5.2	25	75	100	5	0.2
RZ-S5.3	5.3	25	75	100	5	0.2
RZ-S5.4	5.4	25	75	100	5	0.2
RZ-S5.5	5.5	25	75	100	5	0.2
RZ-S5.6	5.6	25	75	100	5	0.2
RZ-S5.7	5.7	25	75	100	5	0.2
RZ-S5.8	5.8	25	75	100	5	0.2
RZ-S5.9	5.9	25	75	100	5	0.2
RZ-S6.0	6.0	25	85	110	6	0.3
RZ-S6.1	6.1	25	85	110	6	0.3
RZ-S6.2	6.2	25	85	110	6	0.3
RZ-S6.3	6.3	25	85	110	6	0.3
RZ-S6.4	6.4	25	85	110	6	0.3
RZ-S6.5	6.5	25	85	110	6	0.3
RZ-S6.6	6.6	25	85	110	6	0.3
RZ-S6.7	6.7	25	85	110	6	0.3
RZ-S6.8	6.8	25	85	110	6	0.3
RZ-S6.9	6.9	25	85	110	6	0.3
RZ-S7.0	7.0	25	100	125	7	0.3
RZ-S7.1	7.1	25	100	125	7	0.3
RZ-S7.2	7.2	25	100	125	7	0.3
RZ-S7.3	7.3	25	100	125	7	0.3
RZ-S7.4	7.4	25	100	125	7	0.3
RZ-S7.5	7.5	25	100	125	7	0.3
RZ-S7.6	7.6	25	100	125	7	0.3
RZ-S7.7	7.7	25	100	125	7	0.3
RZ-S7.8	7.8	25	100	125	7	0.3
RZ-S7.9	7.9	25	100	125	7	0.3
RZ-S8.0	8.0	25	110	135	8	0.3
RZ-S8.1	8.1	25	110	135	8	0.3
RZ-S8.2	8.2	25	110	135	8	0.3
RZ-S8.3	8.3	25	110	135	8	0.3
RZ-S8.4	8.4	25	110	135	8	0.3
RZ-S8.5	8.5	25	110	135	8	0.3
RZ-S8.6	8.6	25	110	135	8	0.3
RZ-S8.7	8.7	25	110	135	8	0.3

Order No.	Diameter	Flute Length	Shank Length	Overall Length	Shank Diameter	Chamfer
	D	l1	l2	L	d	T
RZ-S8.8	8.8	25	110	135	8	0.3
RZ-S8.9	8.9	25	110	135	8	0.3
RZ-S9.0	9.0	30	120	150	9	0.3
RZ-S9.1	9.1	30	120	150	9	0.3
RZ-S9.2	9.2	30	120	150	9	0.3
RZ-S9.3	9.3	30	120	150	9	0.3
RZ-S9.4	9.4	30	120	150	9	0.3
RZ-S9.5	9.5	30	120	150	9	0.3
RZ-S9.6	9.6	30	120	150	9	0.3
RZ-S9.7	9.7	30	120	150	9	0.3
RZ-S9.8	9.8	30	120	150	9	0.3
RZ-S9.9	9.9	30	120	150	9	0.3
RZ-S10.0	10.0	30	125	155	10	0.3
RZ-S10.1	10.1	30	125	155	10	0.3
RZ-S10.2	10.2	30	125	155	10	0.3
RZ-S10.3	10.3	30	125	155	10	0.3
RZ-S10.4	10.4	30	125	155	10	0.3
RZ-S10.5	10.5	30	125	155	10	0.3
RZ-S10.6	10.6	30	125	155	10	0.3
RZ-S10.7	10.7	30	125	155	10	0.3
RZ-S10.8	10.8	30	125	155	10	0.3
RZ-S10.9	10.9	30	125	155	10	0.3
RZ-S11.0	11.0	30	130	160	11	0.3
RZ-S11.1	11.1	30	130	160	11	0.3
RZ-S11.2	11.2	30	130	160	11	0.3
RZ-S11.3	11.3	30	130	160	11	0.3
RZ-S11.4	11.4	30	130	160	11	0.3
RZ-S11.5	11.5	30	130	160	11	0.3
RZ-S11.6	11.6	30	130	160	11	0.3
RZ-S11.7	11.7	30	130	160	11	0.3
RZ-S11.8	11.8	30	130	160	11	0.3
RZ-S11.9	11.9	30	130	160	11	0.3
RZ-S12.0	12.0	30	135	165	12	0.3
RZ-S12.1	12.1	30	135	165	12	0.3
RZ-S12.2	12.2	30	135	165	12	0.3
RZ-S12.3	12.3	30	135	165	12	0.3
RZ-S12.4	12.4	30	135	165	12	0.3
RZ-S12.5	12.5	30	135	165	12	0.3
RZ-S12.6	12.6	30	135	165	12	0.3
RZ-S12.7	12.7	30	135	165	12	0.3
RZ-S12.8	12.8	30	135	165	12	0.3
RZ-S12.9	12.9	30	135	165	12	0.3
RZ-S13.0	13.0	30	135	165	12	0.3

Carbide

คาร์ไบด์

HSS

ไฮสปีด

Spiral Flute

ร่องเกลียว

Straight Flute

ร่องตรง

Helical Flute

ร่องเกลียว

REAMER

รีมเมอร์



DAIICHI TOOL

■ MAT : HSS-CO (spiral 30°)

(0.01m/m)

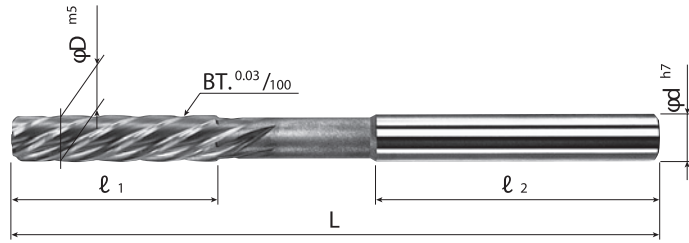
Order No.	Diameter	Flute Length	Shank Length	Overall Length	Shank Diameter	Chamfer
	D	ℓ1	ℓ2	L	d	T
RZ-S3.01	3.01	20	60	80	3	0.2
RZ-S3.02	3.02	20	60	80	3	0.2
RZ-S3.03	3.03	20	60	80	3	0.2
RZ-S3.04	3.04	20	60	80	3	0.2
RZ-S3.05	3.05	20	60	80	3	0.2
RZ-S3.95	3.95	20	60	80	3	0.2
RZ-S3.96	3.96	20	60	80	3	0.2
RZ-S3.97	3.97	20	60	80	3	0.2
RZ-S3.98	3.98	20	60	80	3	0.2
RZ-S3.99	3.99	20	60	80	3	0.2
RZ-S4.01	4.01	25	65	90	4	0.2
RZ-S4.02	4.02	25	65	90	4	0.2
RZ-S4.03	4.03	25	65	90	4	0.2
RZ-S4.04	4.04	25	65	90	4	0.2
RZ-S4.05	4.05	25	65	90	4	0.2
RZ-S4.95	4.95	25	65	90	4	0.2
RZ-S4.96	4.96	25	65	90	4	0.2
RZ-S4.97	4.97	25	65	90	4	0.2
RZ-S4.98	4.98	25	65	90	4	0.2
RZ-S4.99	4.99	25	65	90	4	0.2
RZ-S5.01	5.01	25	75	100	5	0.2
RZ-S5.02	5.02	25	75	100	5	0.2
RZ-S5.03	5.03	25	75	100	5	0.2
RZ-S5.04	5.04	25	75	100	5	0.2
RZ-S5.05	5.05	25	75	100	5	0.2
RZ-S5.95	5.95	25	75	100	5	0.2
RZ-S5.96	5.96	25	75	100	5	0.2
RZ-S5.97	5.97	25	75	100	5	0.2
RZ-S5.98	5.98	25	75	100	5	0.2
RZ-S5.99	5.99	25	75	100	5	0.2
RZ-S6.01	6.01	25	85	110	6	0.3
RZ-S6.02	6.02	25	85	110	6	0.3
RZ-S6.03	6.03	25	85	110	6	0.3
RZ-S6.04	6.04	25	85	110	6	0.3
RZ-S6.05	6.05	25	85	110	6	0.3
RZ-S6.95	6.95	25	85	110	6	0.3
RZ-S6.96	6.96	25	85	110	6	0.3
RZ-S6.97	6.97	25	85	110	6	0.3
RZ-S6.98	6.98	25	85	110	6	0.3
RZ-S6.99	6.99	25	85	110	6	0.3
RZ-S7.01	7.01	25	100	125	7	0.3
RZ-S7.02	7.02	25	100	125	7	0.3
RZ-S7.03	7.03	25	100	125	7	0.3
RZ-S7.04	7.04	25	100	125	7	0.3
RZ-S7.05	7.05	25	100	125	7	0.3
RZ-S7.95	7.95	25	100	125	7	0.3
RZ-S7.96	7.96	25	100	125	7	0.3
RZ-S7.97	7.97	25	100	125	7	0.3
RZ-S7.98	7.98	25	100	125	7	0.3
RZ-S7.99	7.99	25	100	125	7	0.3
RZ-S8.01	8.01	25	110	135	8	0.3
RZ-S8.02	8.02	25	110	135	8	0.3
RZ-S8.03	8.03	25	110	135	8	0.3
RZ-S8.04	8.04	25	110	135	8	0.3
RZ-S8.05	8.05	25	110	135	8	0.3
RZ-S8.95	8.95	25	110	135	8	0.3
RZ-S8.96	8.96	25	110	135	8	0.3

Order No.	Diameter	Flute Length	Shank Length	Overall Length	Shank Diameter	Chamfer
	D	ℓ1	ℓ2	L	d	T
RZ-S8.97	8.97	25	110	135	8	0.3
RZ-S8.98	8.98	25	110	135	8	0.3
RZ-S8.99	8.99	25	110	135	8	0.3
RZ-S9.01	9.01	30	120	150	9	0.3
RZ-S9.02	9.02	30	120	150	9	0.3
RZ-S9.03	9.03	30	120	150	9	0.3
RZ-S9.04	9.04	30	120	150	9	0.3
RZ-S9.05	9.05	30	120	150	9	0.3
RZ-S9.95	9.95	30	120	150	9	0.3
RZ-S9.96	9.96	30	120	150	9	0.3
RZ-S9.97	9.97	30	120	150	9	0.3
RZ-S9.98	9.98	30	120	150	9	0.3
RZ-S9.99	9.99	30	120	150	9	0.3
RZ-S10.01	10.01	30	125	155	10	0.3
RZ-S10.02	10.02	30	125	155	10	0.3
RZ-S10.03	10.03	30	125	155	10	0.3
RZ-S10.04	10.04	30	125	155	10	0.3
RZ-S10.05	10.05	30	125	155	10	0.3
RZ-S10.95	10.95	30	125	155	10	0.3
RZ-S10.96	10.96	30	125	155	10	0.3
RZ-S10.97	10.97	30	125	155	10	0.3
RZ-S10.98	10.98	30	125	155	10	0.3
RZ-S10.99	10.99	30	125	155	10	0.3
RZ-S11.01	11.01	30	130	160	11	0.3
RZ-S11.02	11.02	30	130	160	11	0.3
RZ-S11.03	11.03	30	130	160	11	0.3
RZ-S11.04	11.04	30	130	160	11	0.3
RZ-S11.05	11.05	30	130	160	11	0.3
RZ-S11.95	11.95	30	130	160	11	0.3
RZ-S11.96	11.96	30	130	160	11	0.3
RZ-S11.97	11.97	30	130	160	11	0.3
RZ-S11.98	11.98	30	130	160	11	0.3
RZ-S11.99	11.99	30	130	160	11	0.3
RZ-S12.01	12.01	30	135	165	12	0.3
RZ-S12.02	12.02	30	135	165	12	0.3
RZ-S12.03	12.03	30	135	165	12	0.3
RZ-S12.04	12.04	30	135	165	12	0.3
RZ-S12.05	12.05	30	135	165	12	0.3
RZ-S12.95	12.95	30	135	165	12	0.3
RZ-S12.96	12.96	30	135	165	12	0.3
RZ-S12.97	12.97	30	135	165	12	0.3
RZ-S12.98	12.98	30	135	165	12	0.3
RZ-S12.99	12.99	30	135	165	12	0.3

Diameter	Tolerance
3.0	+0.006 +0.002
3.1 ~ 6.0	+0.009 +0.004
6.1 ~ 10.0	+0.012 +0.006
10.1 ~ 13.0	+0.015 +0.007
0.01 トビ	+0.005 0

ไฮสปีดรีมเมอร์ก้านกลม

SPEED REAMER WITH STRAIGHT SHANK



* Double chamfer 45° and 1° 30'
Left helix 30°



- High speed spindle high feed is possible.
- Special surface treatment
- Uses MCO material (Cobalt high-speed steel)

Order No.	Size					
	Diameter	Shank Dia.	Flute Length	Shank Length	Overall Length	Number of teeth
	D	d	l1	l2	L	NT
SSR030	3.0	4.0	30	30	70	4
SSR031	3.1	4.0	30	30	80	4
SSR032	3.2	4.0	30	30	80	4
SSR033	3.3	4.0	30	30	80	4
SSR034	3.4	4.0	30	30	80	4
SSR035	3.5	4.0	30	30	80	4
SSR036	3.6	4.0	30	30	80	4
SSR037	3.7	4.0	30	30	80	4
SSR038	3.8	4.0	30	30	80	4
SSR039	3.9	4.0	30	30	80	4
SSR040	4.0	4.0	30	30	80	4
SSR041	4.1	6.0	30	40	90	4
SSR042	4.2	6.0	30	40	90	4
SSR043	4.3	6.0	30	40	90	4
SSR044	4.4	6.0	30	40	90	4
SSR045	4.5	6.0	30	40	90	4
SSR046	4.6	6.0	30	40	90	4
SSR047	4.7	6.0	30	40	90	4
SSR048	4.8	6.0	30	40	90	4
SSR049	4.9	6.0	30	40	90	4
SSR050	5.0	6.0	30	40	90	4
SSR051	5.1	6.0	30	40	100	4
SSR052	5.2	6.0	30	40	100	4
SSR053	5.3	6.0	30	40	100	4
SSR054	5.4	6.0	30	40	100	4
SSR055	5.5	6.0	30	40	100	4
SSR056	5.6	6.0	35	40	100	4
SSR057	5.7	6.0	35	40	100	4
SSR058	5.8	6.0	35	40	100	4
SSR059	5.9	6.0	35	40	100	4
SSR060	6.0	6.0	35	40	100	6
SSR061	6.1	8.0	35	45	110	6
SSR062	6.2	8.0	35	45	110	6
SSR063	6.3	8.0	35	45	110	6
SSR064	6.4	8.0	35	45	110	6
SSR065	6.5	8.0	35	45	110	6
SSR066	6.6	8.0	35	45	110	6
SSR067	6.7	8.0	35	45	110	6
SSR068	6.8	8.0	35	45	110	6
SSR069	6.9	8.0	35	45	110	6
SSR070	7.0	8.0	35	45	110	6
SSR071	7.1	8.0	35	45	110	6
SSR072	7.2	8.0	35	45	110	6
SSR073	7.3	8.0	35	45	110	6
SSR074	7.4	8.0	35	45	110	6
SSR075	7.5	8.0	35	45	110	6
SSR076	7.6	8.0	40	50	125	6
SSR077	7.7	8.0	40	50	125	6

Order No.	Size					
	Diameter	Shank Dia.	Flute Length	Shank Length	Overall Length	Number of teeth
	D	d	l1	l2	L	NT
SSR078	7.8	8.0	40	50	125	6
SSR079	7.9	8.0	40	50	125	6
SSR080	8.0	8.0	40	50	125	6
SSR081	8.1	10.0	40	55	135	6
SSR082	8.2	10.0	40	55	135	6
SSR083	8.3	10.0	40	55	135	6
SSR084	8.4	10.0	40	55	135	6
SSR085	8.5	10.0	40	55	135	6
SSR086	8.6	10.0	40	55	135	6
SSR087	8.7	10.0	40	55	135	6
SSR088	8.8	10.0	40	55	135	6
SSR089	8.9	10.0	40	55	135	6
SSR090	9.0	10.0	40	55	135	6
SSR091	9.1	10.0	45	65	150	6
SSR092	9.2	10.0	45	65	150	6
SSR093	9.3	10.0	45	65	150	6
SSR094	9.4	10.0	45	65	150	6
SSR095	9.5	10.0	45	65	150	6
SSR096	9.6	10.0	45	65	150	6
SSR097	9.7	10.0	45	65	150	6
SSR098	9.8	10.0	45	65	150	6
SSR099	9.9	10.0	45	65	150	6
SSR100	10.0	10.0	45	65	150	6
SSR101	10.1	10.0	45	65	155	6
SSR102	10.2	10.0	45	65	155	6
SSR103	10.3	10.0	45	65	155	6
SSR104	10.4	10.0	45	65	155	6
SSR105	10.5	10.0	45	65	155	6
SSR106	10.6	10.0	45	65	155	6
SSR107	10.7	10.0	45	65	155	6
SSR108	10.8	10.0	45	65	155	6
SSR109	10.9	10.0	45	65	155	6
SSR110	11.0	10.0	45	65	155	6
SSR111	11.1	12.0	50	70	160	6
SSR112	11.2	12.0	50	70	160	6
SSR113	11.3	12.0	50	70	160	6
SSR114	11.4	12.0	50	70	160	6
SSR115	11.5	12.0	50	70	160	6
SSR116	11.6	12.0	50	70	160	6
SSR117	11.7	12.0	50	70	160	6
SSR118	11.8	12.0	50	70	160	6
SSR119	11.9	12.0	50	70	160	6
SSR120	12.0	12.0	50	70	160	6
SSR121	12.1	12.0	50	70	165	6
SSR122	12.2	12.0	50	70	165	6
SSR123	12.3	12.0	50	70	165	6
SSR124	12.4	12.0	50	70	165	6
SSR125	12.5	12.0	50	70	165	6

- Carbide
- คาร์ไบด์
- HSS
- ไฮสปีด
- Spiral Flute
- ร่องเกลียว
- Straight Flute
- ร่องตรง
- Helical Flute
- ร่องเกลียว

REAMER

รีมเมอร์



Straight Shank
ก้านตรง

Order No.	Size					
	Diameter	Shank Dia.	Flute Length	Shank Length	Overall Length	Number of teeth
	D	d	ℓ1	ℓ2	L	NT
SSR126	12.6	12.0	50	70	165	6
SSR127	12.7	12.0	50	70	165	6
SSR128	12.8	12.0	50	70	165	6
SSR129	12.9	12.0	50	70	165	6
SSR130	13.0	12.0	50	70	165	6
SSR131	13.1	12.0	55	80	170	6
SSR132	13.2	12.0	55	80	170	6
SSR133	13.3	12.0	55	80	170	6

Order No.	Size					
	Diameter	Shank Dia.	Flute Length	Shank Length	Overall Length	Number of teeth
	D	d	ℓ1	ℓ2	L	NT
SSR134	13.4	12.0	55	80	170	6
SSR135	13.5	12.0	55	80	170	6
SSR136	13.6	12.0	55	80	170	6
SSR137	13.7	12.0	55	80	170	6
SSR138	13.8	12.0	55	80	170	6
SSR139	13.9	12.0	55	80	170	6
SSR140	14.0	12.0	55	80	170	6

Carbide

คาร์ไบด์

HSS

ไฮสปีด

Spiral Flute

ร่องเกลียว

Straight Flute

ร่องตรง

Helical Flute

ร่องเอียง

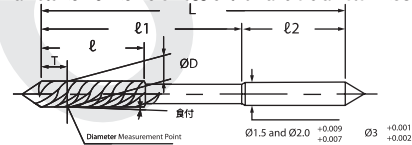
DAIICHI TOOL

รีมเมอร์มุลเล่ย์สูง ก้านกลม
HELIX REAMERS



Shape of diameter of 4.5mm

Diameter Ø1.0 ~ Ø1.5 or less of the handle diameter = Ø1.5
Diameter Ø1.6 ~ Ø1.9 or less of the handle diameter = Ø2.0
Diameter Ø2.0 ~ Ø2.9 or less of the handle diameter = Ø3.0



■ MAT : HSS-Co

(0.1mm)

Order No.	Diameter	Flute Length	Under Neck Length	Overall Length	Chamfer	Shank Length
	D	ℓ	ℓ1	L	T	ℓ2
HLX1.0	1.0	10	20	40	2.5	20
HLX1.1	1.1	10	20	40	2.5	20
HLX1.2	1.2	10	20	40	2.5	20
HLX1.3	1.3	10	20	40	2.5	20
HLX1.4	1.4	10	20	40	2.5	20
HLX1.5	1.5	10	20	40	2.5	20
HLX1.6	1.6	10	25	50	3	25
HLX1.7	1.7	10	25	50	3	25
HLX1.8	1.8	10	25	50	3	25
HLX1.9	1.9	10	25	50	3	25
HLX2.0	2.0	13	35	60	3	25
HLX2.1	2.1	13	35	60	3	25
HLX2.2	2.2	13	35	60	3	25
HLX2.3	2.3	15	35	60	3	25
HLX2.4	2.4	15	35	60	3	25
HLX2.5	2.5	15	35	60	3	25
HLX2.6	2.6	20	35	60	4	25
HLX2.7	2.7	20	35	60	4	25
HLX2.8	2.8	20	35	60	4	25
HLX2.9	2.9	20	35	60	4	25
HLX3.0	3.0	20	45	70	4	25
HLX3.1	3.1	20	45	70	4	25
HLX3.2	3.2	20	45	70	4	25
HLX3.3	3.3	20	45	70	4	25
HLX3.4	3.4	20	45	70	4	25
HLX3.5	3.5	20	45	70	4	25
HLX3.6	3.6	22	45	75	5	30
HLX3.7	3.7	22	45	75	5	30
HLX3.8	3.8	22	45	75	5	30
HLX3.9	3.9	22	45	75	5	30
HLX4.0	4.0	22	45	75	5	30
HLX4.1	4.1	25	50	80	6	30
HLX4.2	4.2	25	50	80	6	30
HLX4.3	4.3	25	50	80	6	30
HLX4.4	4.4	25	50	80	6	30

Order No.	Diameter	Flute Length	Under Neck Length	Overall Length	Chamfer	Shank Length
	D	ℓ	ℓ1	L	T	ℓ2
HLX4.5	4.5	25	50	80	6	30
HLX4.6	4.6	25	55	85	6	30
HLX4.7	4.7	25	55	85	6	30
HLX4.8	4.8	25	55	85	6	30
HLX4.9	4.9	25	55	85	6	30
HLX5.0	5.0	25	55	85	6	30
HLX5.1	5.1	25	55	90	6	35
HLX5.2	5.2	25	55	90	6	35
HLX5.3	5.3	25	55	90	6	35
HLX5.4	5.4	25	55	90	6	35
HLX5.5	5.5	25	55	90	6	35
HLX5.6	5.6	30	65	100	7	35
HLX5.7	5.7	30	65	100	7	35
HLX5.8	5.8	30	65	100	7	35
HLX5.9	5.9	30	65	100	7	35
HLX6.0	6.0	30	65	100	7	35
HLX6.1	6.1	30	65	100	7	35
HLX6.2	6.2	30	65	100	7	35
HLX6.3	6.3	30	65	100	7	35
HLX6.4	6.4	30	65	100	7	35
HLX6.5	6.5	30	65	100	7	35
HLX6.6	6.6	30	70	110	7	40
HLX6.7	6.7	30	70	110	7	40
HLX6.8	6.8	30	70	110	7	40
HLX6.9	6.9	30	70	110	7	40
HLX7.0	7.0	30	70	110	7	40
HLX7.1	7.1	35	80	120	8	40
HLX7.2	7.2	35	80	120	8	40
HLX7.3	7.3	35	80	120	8	40
HLX7.4	7.4	35	80	120	8	40
HLX7.5	7.5	35	80	120	8	40
HLX7.6	7.6	35	80	120	8	40
HLX7.7	7.7	35	80	120	8	40
HLX7.8	7.8	35	80	120	8	40
HLX7.9	7.9	35	80	120	8	40

Order No.	Diameter	Flute Length	Under Neck Length	Overall Length	Chamfer	Shank Length
	D	ℓ	ℓ ₁	L	T	ℓ ₂
HLX8.0	8.0	35	80	120	8	40
HLX8.1	8.1	35	80	125	8	45
HLX8.2	8.2	35	80	125	8	45
HLX8.3	8.3	35	80	125	8	45
HLX8.4	8.4	35	80	125	8	45
HLX8.5	8.5	35	80	125	8	45
HLX8.6	8.6	35	90	135	8	45
HLX8.7	8.7	35	90	135	8	45
HLX8.8	8.8	35	90	135	8	45
HLX8.9	8.9	35	90	135	8	45
HLX8.9.0	9.0	35	90	135	8	45
HLX9.1	9.1	40	100	150	10	50
HLX9.2	9.2	40	100	150	10	50
HLX9.3	9.3	40	100	150	10	50
HLX9.4	9.4	40	100	150	10	50
HLX9.5	9.5	40	100	150	10	50
HLX9.6	9.6	40	100	150	10	50
HLX9.7	9.7	40	100	150	10	50
HLX9.8	9.8	40	100	150	10	50
HLX9.9	9.9	40	100	150	10	50
HLX10.0	10.0	40	100	150	10	50
HLX10.1	10.1	40	105	155	10	50
HLX10.2	10.2	40	105	155	10	50
HLX10.3	10.3	40	105	155	10	50
HLX10.4	10.4	40	105	155	10	50
HLX10.5	10.5	40	105	155	10	50
HLX10.6	10.6	40	105	155	10	50
HLX10.7	10.7	40	105	155	10	50
HLX10.8	10.8	40	105	155	10	50
HLX10.9	10.9	40	105	155	10	50
HLX11.0	11.0	40	105	155	10	50

Order No.	Diameter	Flute Length	Under Neck Length	Overall Length	Chamfer	Shank Length
	D	ℓ	ℓ ₁	L	T	ℓ ₂
HLX11.1	11.1	40	105	160	10	55
HLX11.2	11.2	40	105	160	10	55
HLX11.3	11.3	40	105	160	10	55
HLX11.4	11.4	40	105	160	10	55
HLX11.5	11.5	40	105	160	10	55
HLX11.6	11.6	40	105	160	10	55
HLX11.7	11.7	40	105	160	10	55
HLX11.8	11.8	40	105	160	10	55
HLX11.9	11.9	40	105	160	10	55
HLX12.0	12.0	40	105	160	10	55
HLX12.1	12.1	45	110	165	10	55
HLX12.2	12.2	45	110	165	10	55
HLX12.3	12.3	45	110	165	10	55
HLX12.4	12.4	45	110	165	10	55
HLX12.5	12.5	45	110	165	10	55
HLX12.6	12.6	45	110	165	10	55
HLX12.7	12.7	45	110	165	10	55
HLX12.8	12.8	45	110	165	10	55
HLX12.9	12.9	45	110	165	10	55
HLX13.0	13.0	45	110	165	10	55
HLX13.1	13.1	45	110	170	10	60
HLX13.2	13.2	45	110	170	10	60
HLX13.3	13.3	45	110	170	10	60
HLX13.4	13.4	45	110	170	10	60
HLX13.5	13.5	45	110	170	10	60
HLX13.6	13.6	45	110	170	10	60
HLX13.7	13.7	45	110	170	10	60
HLX13.8	13.8	45	110	170	10	60
HLX13.9	13.9	45	110	170	10	60
HLX14.0	14.0	45	110	170	10	60

Carbide

คาร์ไบด์

HSS

ไฮสปีด

Spiral Flute

ร่องเกลียว

Straight Flute

ร่องตรง

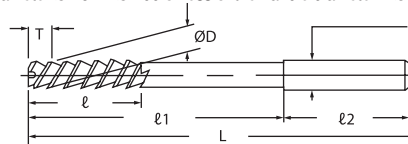
Helical Flute

ร่องเกลียว

รีมเมอร์มัลติเลเยอร์สูง ก้านกลม HELIX REAMERS (0.01STEP)



Diameter Ø1.01 ~ Ø1.49 or less of the handle diameter = Ø1.5
 Diameter Ø1.6 ~ Ø1.9 or less of the handle diameter = Ø2.0
 Diameter Ø2.01 ~ Ø2.99 or less of the handle diameter = Ø3.0



■ MAT : HSS-Co

(0.1mm)

Order No.	Diameter	Flute Length	Under Neck Length	Overall Length	Chamfer	Shank Length
	D	ℓ	ℓ ₁	L	T	ℓ ₂
HLX 1.01~1.09	1.01~1.09	10	20	40	2.5	20
HLX 1.11~1.19	1.11~1.19	10	20	40	2.5	20
HLX 1.21~1.29	1.21~1.29	10	20	40	2.5	20
HLX 1.31~1.39	1.31~1.39	10	20	40	2.5	20
HLX 1.41~1.49	1.41~1.49	10	20	40	2.5	20
HLX 1.51~1.59	1.51~1.59	10	25	50	3	25
HLX 1.61~1.69	1.61~1.69	10	25	50	3	25
HLX 1.71~1.79	1.71~1.79	10	25	50	3	25
HLX 1.81~1.89	1.81~1.89	10	25	50	3	25
HLX 1.91~1.99	1.91~1.99	10	25	50	3	25
HLX 2.01~2.09	2.01~2.09	13	35	60	3	25
HLX 2.11~2.19	2.11~2.19	13	35	60	3	25
HLX 2.21~2.29	2.21~2.29	13	35	60	3	25
HLX 2.31~2.39	2.31~2.39	15	35	60	3	25
HLX 2.41~2.49	2.41~2.49	15	35	60	3	25
HLX 2.51~2.59	2.51~2.59	15	35	60	3	25

Order No.	Diameter	Flute Length	Under Neck Length	Overall Length	Chamfer	Shank Length
	D	ℓ	ℓ ₁	L	T	ℓ ₂
HLX 2.61~2.69	2.61~2.69	20	35	60	4	25
HLX 2.71~2.79	2.71~2.79	20	35	60	4	25
HLX 2.81~2.89	2.81~2.89	20	35	60	4	25
HLX 2.91~2.99	2.91~2.99	20	35	60	4	25
HLX 3.01~3.09	3.01~3.09	20	45	70	4	25
HLX 3.11~3.19	3.11~3.19	20	45	70	4	25
HLX 3.21~3.29	3.21~3.29	20	45	70	4	25
HLX 3.31~3.39	3.31~3.39	20	45	70	4	25
HLX 3.41~3.49	3.41~3.49	20	45	70	4	25
HLX 3.51~3.59	3.51~3.59	20	45	70	4	25
HLX 3.61~3.69	3.61~3.69	22	45	75	5	30
HLX 3.71~3.79	3.71~3.79	22	45	75	5	30
HLX 3.81~3.89	3.81~3.89	22	45	75	5	30
HLX 3.91~3.99	3.91~3.99	22	45	75	5	30
HLX 4.01~4.09	4.01~4.09	22	45	75	5	30
HLX 4.11~4.19	4.11~4.19	25	50	80	6	30

REAMER

รีมเมอร์



DAIICHI TOOL

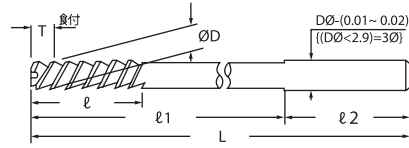
Straight Shank
แกนตรง

- Carbide
คาร์ไบด์
- HSS**
ไฮสปีด
- Spiral Flute
ร่องเกลียว
- Straight Flute
ร่องตรง
- Helical Flute
ร่องเอียง

Order No.	Diameter	Flute Length	Under Neck Length	Overall Length	Chamfer	Shank Length
	D	ℓ	ℓ1	L	T	ℓ2
HLX 4.21~4.29	4.21~4.29	25	50	80	6	30
HLX 4.31~4.39	4.31~4.39	25	50	80	6	30
HLX 4.41~4.49	4.41~4.49	25	50	80	6	30
HLX 4.51~4.59	4.51~4.59	25	50	80	6	30
HLX 4.61~4.69	4.61~4.69	25	55	85	6	30
HLX 4.71~4.79	4.71~4.79	25	55	85	6	30
HLX 4.81~4.89	4.81~4.89	25	55	85	6	30
HLX 4.91~4.99	4.91~4.99	25	55	85	6	30
HLX 5.01~5.09	5.01~5.09	25	55	85	6	30
HLX 5.11~5.19	5.11~5.19	25	55	90	6	35
HLX 5.21~5.29	5.21~5.29	25	55	90	6	35
HLX 5.31~5.39	5.31~5.39	25	55	90	6	35
HLX 5.41~5.49	5.41~5.49	25	55	90	6	35
HLX 5.51~5.59	5.51~5.59	25	55	90	6	35
HLX 5.61~5.69	5.61~5.69	30	65	100	7	35
HLX 5.71~5.79	5.71~5.79	30	65	100	7	35
HLX 5.81~5.89	5.81~5.89	30	65	100	7	35
HLX 5.91~5.99	5.91~5.99	30	65	100	7	35
HLX 6.01~6.09	6.01~6.09	30	65	100	7	35
HLX 6.11~6.19	6.11~6.19	30	65	100	7	35
HLX 6.21~6.29	6.21~6.29	30	65	100	7	35
HLX 6.31~6.39	6.31~6.39	30	65	100	7	35
HLX 6.41~6.49	6.41~6.49	30	65	100	7	35
HLX 6.51~6.59	6.51~6.59	30	65	100	7	35
HLX 6.61~6.69	6.61~6.69	30	70	110	7	40
HLX 6.71~6.79	6.71~6.79	30	70	110	7	40
HLX 6.81~6.89	6.81~6.89	30	70	110	7	40
HLX 6.91~6.99	6.91~6.99	30	70	110	7	40
HLX 7.01~7.09	7.01~7.09	30	70	110	7	40
HLX 7.11~7.19	7.11~7.19	35	80	120	8	40
HLX 7.21~7.29	7.21~7.29	35	80	120	8	40
HLX 7.31~7.39	7.31~7.39	35	80	120	8	40
HLX 7.41~7.49	7.41~7.49	35	80	120	8	40
HLX 7.51~7.59	7.51~7.59	35	80	120	8	40
HLX 7.61~7.69	7.61~7.69	35	80	120	8	40
HLX 7.71~7.79	7.71~7.79	35	80	120	8	40
HLX 7.81~7.89	7.81~7.89	35	80	120	8	40
HLX 7.91~7.99	7.91~7.99	35	80	120	8	40
HLX 8.01~8.09	8.01~8.09	35	80	120	8	40
HLX 8.11~8.19	8.11~8.19	35	80	125	8	45
HLX 8.21~8.29	8.21~8.29	35	80	125	8	45
HLX 8.31~8.39	8.31~8.39	35	80	125	8	45
HLX 8.41~8.49	8.41~8.49	35	80	125	8	45
HLX 8.51~8.59	8.51~8.59	35	80	125	8	45
HLX 8.61~8.69	8.61~8.69	35	90	135	8	45
HLX 8.71~8.79	8.71~8.79	35	90	135	8	45
HLX 8.81~8.89	8.81~8.89	35	90	135	8	45
HLX 8.91~8.99	8.91~8.99	35	90	135	8	45
HLX 9.01~9.09	9.01~9.09	35	90	135	8	45

Order No.	Diameter	Flute Length	Under Neck Length	Overall Length	Chamfer	Shank Length
	D	ℓ	ℓ1	L	T	ℓ2
HLX 9.11~9.19	9.11~9.19	40	100	150	10	50
HLX 9.21~9.29	9.21~9.29	40	100	150	10	50
HLX 9.31~9.39	9.31~9.39	40	100	150	10	50
HLX 9.41~9.49	9.41~9.49	40	100	150	10	50
HLX 9.51~9.59	9.51~9.59	40	100	150	10	50
HLX 9.61~9.69	9.61~9.69	40	100	150	10	50
HLX 9.71~9.79	9.71~9.79	40	100	150	10	50
HLX 9.81~9.89	9.81~9.89	40	100	150	10	50
HLX 9.91~9.99	9.91~9.99	40	100	150	10	50
HLX10.01~10.09	10.01~10.09	40	100	150	10	50
HLX10.11~10.19	10.11~10.19	40	105	155	10	50
HLX10.21~10.29	10.21~10.29	40	105	155	10	50
HLX10.31~10.39	10.31~10.39	40	105	155	10	50
HLX10.41~10.49	10.41~10.49	40	105	155	10	50
HLX10.51~10.59	10.51~10.59	40	105	155	10	50
HLX10.61~10.69	10.61~10.69	40	105	155	10	50
HLX10.71~10.79	10.71~10.79	40	105	155	10	50
HLX10.81~10.89	10.81~10.89	40	105	155	10	50
HLX10.91~10.99	10.91~10.99	40	105	155	10	50
HLX 11.01~11.09	11.01~11.09	40	105	155	10	50
HLX 11.11~11.19	11.11~11.19	40	105	160	10	55
HLX 11.21~11.29	11.21~11.29	40	105	160	10	55
HLX 11.31~11.39	11.31~11.39	40	105	160	10	55
HLX 11.41~11.49	11.41~11.49	40	105	160	10	55
HLX 11.51~11.59	11.51~11.59	40	105	160	10	55
HLX 11.61~11.69	11.61~11.69	40	105	160	10	55
HLX 11.71~11.79	11.71~11.79	40	105	160	10	55
HLX 11.81~11.89	11.81~11.89	40	105	160	10	55
HLX 11.91~11.99	11.91~11.99	40	105	160	10	55
HLX12.01~12.09	12.01~12.09	40	105	160	10	55
HLX12.11~12.19	12.11~12.19	45	110	165	10	55
HLX12.21~12.29	12.21~12.29	45	110	165	10	55
HLX12.31~12.39	12.31~12.39	45	110	165	10	55
HLX12.41~12.49	12.41~12.49	45	110	165	10	55
HLX12.51~12.59	12.51~12.59	45	110	165	10	55
HLX12.61~12.69	12.61~12.69	45	110	165	10	55
HLX12.71~12.79	12.71~12.79	45	110	165	10	55
HLX12.81~12.89	12.81~12.89	45	110	165	10	55
HLX12.91~12.99	12.91~12.99	45	110	165	10	55
HLX13.01~13.09	13.01~13.09	45	110	165	10	55
HLX13.11~13.19	13.11~13.19	45	110	170	10	60
HLX13.21~13.29	13.21~13.29	45	110	170	10	60
HLX13.31~13.39	13.31~13.39	45	110	170	10	60
HLX13.41~13.49	13.41~13.49	45	110	170	10	60
HLX13.51~13.59	13.51~13.59	45	110	170	10	60
HLX13.61~13.69	13.61~13.69	45	110	170	10	60
HLX13.71~13.79	13.71~13.79	45	110	170	10	60
HLX13.81~13.89	13.81~13.89	45	110	170	10	60
HLX13.91~13.99	13.91~13.99	45	110	170	10	60

รีมเมอร์ยาวมุมเลื่อยสูง ก้านกลม
LONG HELIX REAMERS



■ MAT : HSS-Co

Order No.	Diameter	Flute Length	Under Neck Length	Overall Length	Shank Length	Shank No.
	D	ℓ	ℓ1	L	ℓ2	d
HLXL2.0	2.0	15	125	150	25	3.0
HLXL2.1	2.1	15	125	150	25	3.0
HLXL2.2	2.2	15	125	150	25	3.0
HLXL2.3	2.3	15	125	150	25	3.0
HLXL2.4	2.4	15	125	150	25	3.0
HLXL2.5	2.5	15	125	150	25	3.0
HLXL2.6	2.6	20	125	150	25	3.0
HLXL2.7	2.7	20	125	150	25	3.0
HLXL2.8	2.8	20	125	150	25	3.0
HLXL2.9	2.9	20	125	150	25	3.0
HLXL2.95	2.95	20	125	150	25	3.0
HLXL2.96	2.96	20	125	150	25	3.0
HLXL2.97	2.97	20	125	150	25	3.0
HLXL2.98	2.98	20	125	150	25	3.0
HLXL2.99	2.99	20	125	150	25	3.0
HLXL3.0	3.0	20	175	200	25	※
HLXL3.01	3.01	20	175	200	25	※
HLXL3.02	3.02	20	175	200	25	※
HLXL3.03	3.03	20	175	200	25	※
HLXL3.04	3.04	20	175	200	25	※
HLXL3.05	3.05	20	175	200	25	※
HLXL3.1	3.1	20	175	200	25	※
HLXL3.2	3.2	20	175	200	25	※
HLXL3.3	3.3	20	175	200	25	※
HLXL3.4	3.4	20	175	200	25	※
HLXL3.5	3.5	20	175	200	25	※
HLXL3.6	3.6	25	175	200	25	※
HLXL3.7	3.7	25	175	200	25	※
HLXL3.8	3.8	25	175	200	25	※
HLXL3.9	3.9	25	175	200	25	※
HLXL3.95	3.95	25	175	200	25	※
HLXL3.96	3.96	25	175	200	25	※
HLXL3.97	3.97	25	175	200	25	※
HLXL3.98	3.98	25	175	200	25	※
HLXL3.99	3.99	25	175	200	25	※
HLXL4.0	4.0	25	170	200	30	※
HLXL4.01	4.01	25	170	200	30	※
HLXL4.02	4.02	25	170	200	30	※
HLXL4.03	4.03	25	170	200	30	※
HLXL4.04	4.04	25	170	200	30	※
HLXL4.05	4.05	25	170	200	30	※
HLXL4.1	4.1	25	170	200	30	※
HLXL4.2	4.2	25	170	200	30	※
HLXL4.3	4.3	25	170	200	30	※
HLXL4.4	4.4	25	170	200	30	※
HLXL4.5	4.5	25	170	200	30	※
HLXL4.6	4.6	25	170	200	30	※
HLXL4.7	4.7	25	170	200	30	※
HLXL4.8	4.8	25	170	200	30	※
HLXL4.9	4.9	25	170	200	30	※
HLXL4.95	4.95	25	170	200	30	※
HLXL4.96	4.96	25	170	200	30	※
HLXL4.97	4.97	25	170	200	30	※
HLXL4.98	4.98	25	170	200	30	※
HLXL4.99	4.99	25	170	200	30	※

Order No.	Diameter	Flute Length	Under Neck Length	Overall Length	Shank Length	Shank No.
	D	ℓ	ℓ1	L	ℓ2	d
HLXL5.0	5.0	25	170	200	30	※
HLXL5.01	5.01	25	170	200	30	※
HLXL5.02	5.02	25	170	200	30	※
HLXL5.03	5.03	25	170	200	30	※
HLXL5.04	5.04	25	170	200	30	※
HLXL5.05	5.05	25	170	200	30	※
HLXL5.1	5.1	25	170	200	30	※
HLXL5.2	5.2	25	170	200	30	※
HLXL5.3	5.3	25	170	200	30	※
HLXL5.4	5.4	25	170	200	30	※
HLXL5.5	5.5	25	170	200	30	※
HLXL5.6	5.6	30	165	200	35	※
HLXL5.7	5.7	30	165	200	35	※
HLXL5.8	5.8	30	165	200	35	※
HLXL5.9	5.9	30	165	200	35	※
HLXL5.95	5.95	30	165	200	35	※
HLXL5.96	5.96	30	165	200	35	※
HLXL5.97	5.97	30	165	200	35	※
HLXL5.98	5.98	30	165	200	35	※
HLXL5.99	5.99	30	165	200	35	※
HLXL6.0	6.0	30	165	200	35	※
HLXL6.01	6.01	30	165	200	35	※
HLXL6.02	6.02	30	165	200	35	※
HLXL6.03	6.03	30	165	200	35	※
HLXL6.04	6.04	30	165	200	35	※
HLXL6.05	6.05	30	165	200	35	※
HLXL6.1	6.1	30	165	200	35	※
HLXL6.2	6.2	30	165	200	35	※
HLXL6.3	6.3	30	165	200	35	※
HLXL6.4	6.4	30	165	200	35	※
HLXL6.5	6.5	30	165	200	35	※
HLXL6.6	6.6	30	160	200	40	※
HLXL6.7	6.7	30	160	200	40	※
HLXL6.8	6.8	30	160	200	40	※
HLXL6.9	6.9	30	160	200	40	※
HLXL6.95	6.95	30	160	200	40	※
HLXL6.96	6.96	30	160	200	40	※
HLXL6.97	6.97	30	160	200	40	※
HLXL6.98	6.98	30	160	200	40	※
HLXL6.99	6.99	30	160	200	40	※
HLXL7.0	7.0	30	160	200	40	※
HLXL7.01	7.01	30	160	200	40	※
HLXL7.02	7.02	30	160	200	40	※
HLXL7.03	7.03	30	160	200	40	※
HLXL7.04	7.04	30	160	200	40	※
HLXL7.05	7.05	30	160	200	40	※
HLXL7.1	7.1	35	160	200	40	※
HLXL7.2	7.2	35	160	200	40	※
HLXL7.3	7.3	35	160	200	40	※
HLXL7.4	7.4	35	160	200	40	※
HLXL7.5	7.5	35	160	200	40	※
HLXL7.6	7.6	35	160	200	40	※
HLXL7.7	7.7	35	160	200	40	※
HLXL7.8	7.8	35	160	200	40	※

Carbide

คาร์ไบด์

HSS

ไฮสปีด

Spiral Flute

ร่องเกลียว

Straight Flute

ร่องตรง

Helical Flute

ร่องเกลียว

REAMER

รีมเมอร์



DAIICHI TOOL

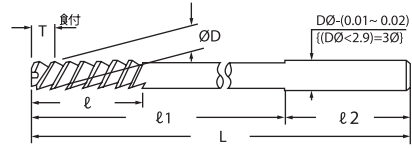
Straight Shank
ก้านตรง

- Carbide
คาร์ไบด์
- HSS**
ไฮสปีด
- Spiral Flute
ร่องเกลียว
- Straight Flute
ร่องตรง
- Helical Flute
ร่องเอียง

Order No.	Diameter	Flute Length	Under Neck Length	Overall Length	Shank Length	Shank No.
	D	ℓ	ℓ1	L	ℓ2	d
HLXL7.9	7.9	35	160	200	40	※
HLXL7.95	7.95	35	160	200	40	※
HLXL7.96	7.96	35	160	200	40	※
HLXL7.97	7.97	35	160	200	40	※
HLXL7.98	7.98	35	160	200	40	※
HLXL7.99	7.99	35	160	200	40	※
HLXL8.0	8.0	35	210	250	40	※
HLXL8.01	8.01	35	210	250	40	※
HLXL8.02	8.02	35	210	250	40	※
HLXL8.03	8.03	35	210	250	40	※
HLXL8.04	8.04	35	210	250	40	※
HLXL8.05	8.05	35	210	250	40	※
HLXL8.1	8.1	35	205	250	45	※
HLXL8.2	8.2	35	205	250	45	※
HLXL8.3	8.3	35	205	250	45	※
HLXL8.4	8.4	35	205	250	45	※
HLXL8.5	8.5	35	205	250	45	※
HLXL8.6	8.6	35	205	250	45	※
HLXL8.7	8.7	35	205	250	45	※
HLXL8.8	8.8	35	205	250	45	※
HLXL8.9	8.9	35	205	250	45	※
HLXL8.95	8.95	35	205	250	45	※
HLXL8.96	8.96	35	205	250	45	※
HLXL8.97	8.97	35	205	250	45	※
HLXL8.98	8.98	35	205	250	45	※
HLXL8.99	8.99	35	205	250	45	※
HLXL9.0	9.0	35	205	250	45	※
HLXL9.01	9.01	35	205	250	45	※
HLXL9.02	9.02	35	205	250	45	※
HLXL9.03	9.03	35	205	250	45	※
HLXL9.04	9.04	35	205	250	45	※
HLXL9.05	9.05	35	205	250	45	※
HLXL9.1	9.1	40	200	250	50	※
HLXL9.2	9.2	40	200	250	50	※
HLXL9.3	9.3	40	200	250	50	※
HLXL9.4	9.4	40	200	250	50	※
HLXL9.5	9.5	40	200	250	50	※
HLXL9.6	9.6	40	200	250	50	※
HLXL9.7	9.7	40	200	250	50	※
HLXL9.8	9.8	40	200	250	50	※
HLXL9.9	9.9	40	200	250	50	※
HLXL9.95	9.95	40	200	250	50	※
HLXL9.96	9.96	40	200	250	50	※
HLXL9.97	9.97	40	200	250	50	※
HLXL9.98	9.98	40	200	250	50	※
HLXL9.99	9.99	40	200	250	50	※
HLXL10.0	10.0	40	200	250	50	※
HLXL10.01	10.01	40	200	250	50	※
HLXL10.02	10.02	40	200	250	50	※
HLXL10.03	10.03	40	200	250	50	※
HLXL10.04	10.04	40	200	250	50	※
HLXL10.05	10.05	40	200	250	50	※
HLXL10.1	10.1	40	200	250	50	※
HLXL10.2	10.2	40	200	250	50	※
HLXL10.3	10.3	40	200	250	50	※
HLXL10.4	10.4	40	200	250	50	※

Order No.	Diameter	Flute Length	Under Neck Length	Overall Length	Shank Length	Shank No.
	D	ℓ	ℓ1	L	ℓ2	d
HLXL10.5	10.5	40	200	250	50	※
HLXL10.6	10.6	40	200	250	50	※
HLXL10.7	10.7	40	200	250	50	※
HLXL10.8	10.8	40	200	250	50	※
HLXL10.9	10.9	40	200	250	50	※
HLXL10.95	10.95	40	200	250	50	※
HLXL10.96	10.96	40	200	250	50	※
HLXL10.97	10.97	40	200	250	50	※
HLXL10.98	10.98	40	200	250	50	※
HLXL10.99	10.99	40	200	250	50	※
HLXL11.0	11.0	40	200	250	50	※
HLXL11.01	11.01	40	200	250	50	※
HLXL11.02	11.02	40	200	250	50	※
HLXL11.03	11.03	40	200	250	50	※
HLXL11.04	11.04	40	200	250	50	※
HLXL11.05	11.05	40	200	250	50	※
HLXL11.1	11.1	40	195	250	55	※
HLXL11.2	11.2	40	195	250	55	※
HLXL11.3	11.3	40	195	250	55	※
HLXL11.4	11.4	40	195	250	55	※
HLXL11.5	11.5	40	195	250	55	※
HLXL11.6	11.6	40	195	250	55	※
HLXL11.7	11.7	40	195	250	55	※
HLXL11.8	11.8	40	195	250	55	※
HLXL11.9	11.9	40	195	250	55	※
HLXL11.95	11.95	40	195	250	55	※
HLXL11.96	11.96	40	195	250	55	※
HLXL11.97	11.97	40	195	250	55	※
HLXL11.98	11.98	40	195	250	55	※
HLXL11.99	11.99	40	195	250	55	※
HLXL12.0	12.0	40	195	250	55	※
HLXL12.01	12.01	40	195	250	55	※
HLXL12.02	12.02	40	195	250	55	※
HLXL12.03	12.03	40	195	250	55	※
HLXL12.04	12.04	40	195	250	55	※
HLXL12.05	12.05	40	195	250	55	※
HLXL12.1	12.1	45	195	250	55	※
HLXL12.2	12.2	45	195	250	55	※
HLXL12.3	12.3	45	195	250	55	※
HLXL12.4	12.4	45	195	250	55	※
HLXL12.5	12.5	45	195	250	55	※
HLXL12.6	12.6	45	195	250	55	※
HLXL12.7	12.7	45	195	250	55	※
HLXL12.8	12.8	45	195	250	55	※
HLXL12.9	12.9	45	195	250	55	※
HLXL12.95	12.95	45	195	250	55	※
HLXL12.96	12.96	45	195	250	55	※
HLXL12.97	12.97	45	195	250	55	※
HLXL12.98	12.98	45	195	250	55	※
HLXL12.99	12.99	45	195	250	55	※
HLXL13.0	13.0	45	195	250	55	※
HLXL13.1	13.1	45	190	250	60	※
HLXL13.2	13.2	45	190	250	60	※
HLXL13.3	13.3	45	190	250	60	※
HLXL13.4	13.4	45	190	250	60	※
HLXL13.5	13.5	45	190	250	60	※

รีมเมอร์ยาวพิเศษมุมเลื่อยสูง ก้านกลม
LONG HELIX REAMERS



■ MAT : HSS-Co

Order No.	Diameter	Flute Length	Under Neck Length	Overall Length	Shank Length	Shank No.
	D	ℓ	ℓ ₁	L	ℓ ₂	d
HLXLL8.0	8.0	35	260	300	40	※
HLXLL8.01	8.01	35	260	300	40	※
HLXLL8.02	8.02	35	260	300	40	※
HLXLL8.03	8.03	35	260	300	40	※
HLXLL8.04	8.04	35	260	300	40	※
HLXLL8.05	8.05	35	260	300	40	※
HLXLL8.5	8.5	35	255	300	45	※
HLXLL9.0	9.0	35	255	300	45	※
HLXLL9.01	9.01	35	255	300	45	※
HLXLL9.02	9.02	35	255	300	45	※
HLXLL9.03	9.03	35	255	300	45	※
HLXLL9.04	9.04	35	255	300	45	※
HLXLL9.05	9.05	35	255	300	45	※
HLXLL9.5	9.5	40	250	300	50	※
HLXLL10.0	10.0	40	250	300	50	※
HLXLL10.01	10.01	40	250	300	50	※
HLXLL10.02	10.02	40	250	300	50	※
HLXLL10.03	10.03	40	250	300	50	※
HLXLL10.04	10.04	40	250	300	50	※
HLXLL10.05	10.05	40	250	300	50	※
HLXLL10.5	10.5	40	250	300	50	※
HLXLL11.0	11.0	40	250	300	50	※

Order No.	Diameter	Flute Length	Under Neck Length	Overall Length	Shank Length	Shank No.
	D	ℓ	ℓ ₁	L	ℓ ₂	d
HLXLL11.01	11.01	40	250	300	50	※
HLXLL11.02	11.02	40	250	300	50	※
HLXLL11.03	11.03	40	250	300	50	※
HLXLL11.04	11.04	40	250	300	50	※
HLXLL11.05	11.05	40	250	300	50	※
HLXLL11.5	11.5	40	295	350	55	※
HLXLL12.0	12.0	40	295	350	55	※
HLXLL12.01	12.01	40	295	350	55	※
HLXLL12.02	12.02	40	295	350	55	※
HLXLL12.03	12.03	40	295	350	55	※
HLXLL12.04	12.04	40	295	350	55	※
HLXLL12.05	12.05	40	295	350	55	※
HLXLL12.5	12.5	45	295	350	55	※
HLXLL13.0	13.0	45	295	350	55	※
HLXLL13.01	13.01	45	295	350	55	※
HLXLL13.02	13.02	45	295	350	55	※
HLXLL13.03	13.03	45	295	350	55	※
HLXLL13.04	13.04	45	295	350	55	※
HLXLL13.05	13.05	45	295	350	55	※
HLXLL13.5	13.5	45	290	350	60	※
HLXLL14.0	14.0	45	290	350	60	※

Carbide
คาร์ไบด์

HSS
ไฮสปีด

Spiral Flute

ขลุ่ยเกลียว

Straight Flute

ขลุ่ยตรง

Helical Flute

ขลุ่ยเกลียว

REAMER

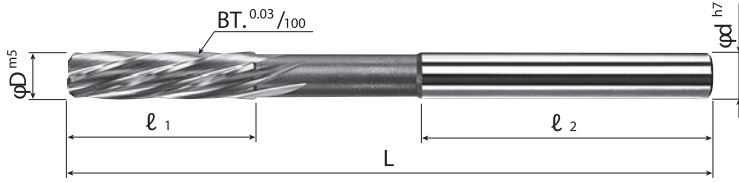
รีมเมอร์



Straight Shank
ก้านตรง

ซีกกิ้งรีมเมอร์เกลียวเล็กน้อยก้านกลม

SPIRAL CHUCKING REAMERS WITH STRAIGHT SHANK



※ Left helix 20° 45° Chamfer
※ Figure is shape of ϕ 3.0 or more



- Short flute length type
- Straight shank
- Uses MCO material (Cobalt high-speed steel)

Order No.	Size					
	Diameter	Shank Dia.	Flute Length	Shank Length	Overall Length	Number of teeth
	D	d	ℓ ₁	ℓ ₂	L	NT
SPCR020	2.0	2.0	11	20	49	4
SPCR021	2.1	2.0	11	20	49	4
SPCR022	2.2	2.0	11	20	49	4
SPCR023	2.3	2.0	12	25	53	4
SPCR024	2.4	2.0	12	25	53	4
SPCR025	2.5	2.5	14	27	57	4
SPCR026	2.6	2.5	14	27	57	4
SPCR027	2.7	2.5	14	27	57	4
SPCR028	2.8	2.5	14	27	57	4
SPCR029	2.9	2.5	14	27	57	4
SPCR030	3.0	3.0	15	30	61	4
SPCR031	3.1	3.0	15	30	61	4
SPCR032	3.2	3.0	15	30	61	4
SPCR033	3.3	3.0	15	30	61	4
SPCR034	3.4	3.0	15	30	61	4
SPCR035	3.5	3.5	15	30	61	4
SPCR036	3.6	3.5	15	30	61	4
SPCR037	3.7	3.5	15	30	61	4
SPCR038	3.8	3.5	15	30	61	4
SPCR039	3.9	3.5	15	30	61	4
SPCR040	4.0	4.0	19	32	75	6
SPCR041	4.1	4.0	19	32	75	6
SPCR042	4.2	4.0	19	32	75	6
SPCR043	4.3	4.0	19	32	75	6
SPCR044	4.4	4.0	19	32	75	6
SPCR045	4.5	4.0	21	35	80	6
SPCR046	4.6	4.0	21	35	80	6
SPCR047	4.7	4.0	21	35	80	6
SPCR048	4.8	4.0	21	35	80	6
SPCR049	4.9	4.0	21	35	80	6
SPCR050	5.0	5.0	23	35	86	6
SPCR051	5.1	5.0	23	35	86	6
SPCR052	5.2	5.0	23	35	86	6
SPCR053	5.3	5.0	23	35	86	6
SPCR054	5.4	5.0	23	35	86	6
SPCR055	5.5	5.0	26	40	93	6

Order No.	Size					
	Diameter	Shank Dia.	Flute Length	Shank Length	Overall Length	Number of teeth
	D	d	ℓ ₁	ℓ ₂	L	NT
SPCR056	5.6	5.0	26	40	93	6
SPCR057	5.7	5.0	26	40	93	6
SPCR058	5.8	5.0	26	40	93	6
SPCR059	5.9	5.0	26	40	93	6
SPCR060	6.0	6.0	26	40	93	6
SPCR061	6.1	6.0	26	40	93	6
SPCR062	6.2	6.0	26	40	93	6
SPCR063	6.3	6.0	26	40	93	6
SPCR064	6.4	6.0	26	40	93	6
SPCR065	6.5	6.0	26	40	93	6
SPCR066	6.6	6.0	26	40	93	6
SPCR067	6.7	6.0	26	40	93	6
SPCR068	6.8	6.0	26	40	93	6
SPCR069	6.9	6.0	26	40	93	6
SPCR070	7.0	6.0	31	45	109	6
SPCR071	7.1	6.0	31	45	109	6
SPCR072	7.2	6.0	31	45	109	6
SPCR073	7.3	6.0	31	45	109	6
SPCR074	7.4	6.0	31	45	109	6
SPCR075	7.5	6.0	31	45	109	6
SPCR076	7.6	6.0	31	45	109	6
SPCR077	7.7	6.0	31	45	109	6
SPCR078	7.8	6.0	31	45	109	6
SPCR079	7.9	6.0	31	45	109	6
SPCR080	8.0	8.0	33	50	117	6
SPCR081	8.1	8.0	33	50	117	6
SPCR082	8.2	8.0	33	50	117	6
SPCR083	8.3	8.0	33	50	117	6
SPCR084	8.4	8.0	33	50	117	6
SPCR085	8.5	8.0	33	50	117	6
SPCR086	8.6	8.0	33	50	117	6
SPCR087	8.7	8.0	33	50	117	6
SPCR088	8.8	8.0	33	50	117	6
SPCR089	8.9	8.0	33	50	117	6
SPCR090	9.0	8.0	36	55	125	6
SPCR091	9.1	8.0	36	55	125	6

Order No.	Size					
	Diameter	Shank Dia.	Flute Length	Shank Length	Overall Length	Number of teeth
	D	d	ℓ1	ℓ2	L	NT
SPCR092	9.2	8.0	36	55	125	6
SPCR093	9.3	8.0	36	55	125	6
SPCR094	9.4	8.0	36	55	125	6
SPCR095	9.5	8.0	36	55	125	6
SPCR096	9.6	8.0	36	55	125	6
SPCR097	9.7	8.0	36	55	125	6
SPCR098	9.8	8.0	36	55	125	6
SPCR099	9.9	8.0	36	55	125	6
SPCR100	10.0	10.0	38	60	133	6
SPCR101	10.1	10.0	38	60	133	6
SPCR102	10.2	10.0	38	60	133	6
SPCR103	10.3	10.0	38	60	133	6
SPCR104	10.4	10.0	38	60	133	6
SPCR105	10.5	10.0	38	60	133	6
SPCR106	10.6	10.0	38	60	133	6
SPCR107	10.7	10.0	38	60	133	6
SPCR108	10.8	10.0	38	60	133	6
SPCR109	10.9	10.0	38	60	133	6
SPCR110	11.0	10.0	41	60	142	6
SPCR111	11.1	10.0	41	60	142	6
SPCR112	11.2	10.0	41	60	142	6
SPCR113	11.3	10.0	41	60	142	6

Order No.	Size					
	Diameter	Shank Dia.	Flute Length	Shank Length	Overall Length	Number of teeth
	D	d	ℓ1	ℓ2	L	NT
SPCR114	11.4	10.0	41	60	142	6
SPCR115	11.5	10.0	41	60	142	6
SPCR116	11.6	10.0	41	60	142	6
SPCR117	11.7	10.0	41	60	142	6
SPCR118	11.8	10.0	41	60	142	6
SPCR119	11.9	10.0	41	60	142	6
SPCR120	12.0	10.0	44	60	151	6
SPCR125	12.5	10.0	44	60	151	6
SPCR130	13.0	10.0	44	60	151	6
SPCR135	13.5	12.0	47	65	160	6
SPCR140	14.0	12.0	47	65	160	8
SPCR145	14.5	12.0	50	65	162	8
SPCR150	15.0	12.0	50	65	162	8
SPCR155	15.5	12.0	52	65	170	8
SPCR160	16.0	12.0	52	65	170	8
SPCR165	16.5	12.0	54	65	175	8
SPCR170	17.0	12.0	54	65	175	8
SPCR175	17.5	12.0	56	65	182	8
SPCR180	18.0	12.0	56	65	182	8
SPCR185	18.5	16.0	58	65	189	8
SPCR190	19.0	16.0	58	65	189	8
SPCR195	19.5	16.0	60	65	195	8
SPCR200	20.0	16.0	60	65	195	8

Inch Size

Order No.	Size					
	Diameter	Shank Dia.	Flute Length	Shank Length	Overall Length	Number of teeth
	D	d	ℓ1	ℓ2	L	NT
SPCRH3.175	3.175	3.0	15	30	61	4
SPCRH6.35	6.35	6.0	26	40	93	6
SPCRH9.525	9.525	8.0	36	55	125	6
SPCR127	12.7	10.0	44	60	151	6

Carbide

คาร์ไบด์

HSS

ไฮสปีด

Spiral Flute

ร่องเกลียว

Straight Flute

ร่องตรง

Helical Flute

ร่องเกลียว

REAMER

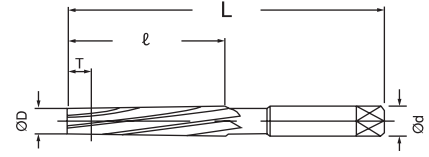
รีมเมอร์



DAIICHI TOOL

แฮนด์รีมเมอร์เกลียวเล็ก

SPIRAL HAND REAMER



Carbide

คาร์ไบด์

HSS

ไฮสปีด

Spiral Flute

ร่องเกลียว

Straight Flute

ร่องตรง

Helical Flute

ร่องเอียง

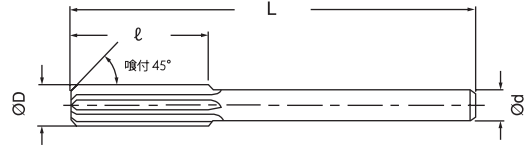
■ MAT : HSS

Order No.	Diameter	Flute Length	Overall Length	Shank Diameter	Chamfer
	D	ℓ	L	d	T
SPHR 2.0	2.0	30	60	3	6
SPHR 2.1	2.1	30	60	3	6
SPHR 2.2	2.2	30	60	3	6
SPHR 2.3	2.3	30	60	3	6
SPHR 2.4	2.4	30	60	3	6
SPHR 2.5	2.5	35	65	3	7
SPHR 2.6	2.6	35	65	3	7
SPHR 2.7	2.7	35	65	3	7
SPHR 2.8	2.8	35	65	3	7
SPHR 2.9	2.9	35	65	3	7
SPHR 3.0	3.0	40	72	3	8
SPHR 3.1	3.1	40	72	3.1	8
SPHR 3.2	3.2	40	75	3.2	8
SPHR 3.3	3.3	40	75	3.3	8
SPHR 3.4	3.4	40	75	3.4	8
SPHR 3.5	3.5	40	75	3.5	8
SPHR 3.6	3.6	40	75	3.6	8
SPHR 3.7	3.7	40	75	3.7	8
SPHR 3.8	3.8	40	75	3.8	8
SPHR 3.9	3.9	40	75	3.9	8
SPHR 4.0	4.0	40	80	4.0	8
SPHR 4.1	4.1	40	80	4.1	8
SPHR 4.2	4.2	45	85	4.2	9
SPHR 4.3	4.3	45	85	4.3	9
SPHR 4.4	4.4	45	85	4.4	9
SPHR 4.5	4.5	45	85	4.5	9
SPHR 4.6	4.6	45	85	4.6	9
SPHR 4.7	4.7	45	90	4.7	9
SPHR 4.8	4.8	45	90	4.8	9
SPHR 4.9	4.9	45	90	4.9	9
SPHR 5.0	5.0	45	90	5.0	9
SPHR 5.1	5.1	45	95	5.1	9
SPHR 5.2	5.2	45	95	5.2	10
SPHR 5.3	5.3	45	95	5.3	10
SPHR 5.4	5.4	45	95	5.4	10
SPHR 5.5	5.5	45	95	5.5	10
SPHR 5.6	5.6	45	95	5.6	10
SPHR 5.7	5.7	50	100	5.7	10
SPHR 5.8	5.8	50	100	5.8	10
SPHR 5.9	5.9	50	100	5.9	10
SPHR 6.0	6.0	50	100	6.0	10
SPHR 6.1	6.1	50	100	6.1	10
SPHR 6.2	6.2	50	100	6.2	10
SPHR 6.3	6.3	50	100	6.3	10
SPHR 6.4	6.4	50	100	6.4	10
SPHR 6.5	6.5	50	100	6.5	10
SPHR 6.6	6.6	50	100	6.6	10
SPHR 6.7	6.7	55	105	6.7	11
SPHR 6.8	6.8	55	105	6.8	11
SPHR 6.9	6.9	55	105	6.9	11
SPHR 7.0	7.0	55	105	7.0	11
SPHR 7.1	7.1	55	105	7.1	11
SPHR 7.2	7.2	55	110	7.2	11
SPHR 7.3	7.3	55	110	7.3	11
SPHR 7.4	7.4	55	110	7.4	11
SPHR 7.5	7.5	55	110	7.5	11
SPHR 7.6	7.6	55	110	7.6	11
SPHR 7.7	7.7	60	115	7.7	12
SPHR 7.8	7.8	60	115	7.8	12
SPHR 7.8	7.9	60	115	7.9	12
SPHR 8.0	8.0	60	115	8.0	12
SPHR 8.1	8.1	60	115	8.1	12
SPHR 8.2	8.2	60	120	8.2	12
SPHR 8.3	8.3	60	120	8.3	12
SPHR 8.4	8.4	60	120	8.4	12
SPHR 8.5	8.5	60	120	8.5	12

Order No.	Diameter	Flute Length	Overall Length	Shank Diameter	Chamfer
	D	ℓ	L	d	T
SPHR 8.6	8.6	60	120	8.6	12
SPHR 8.7	8.7	65	125	8.7	13
SPHR 8.8	8.8	65	125	8.8	13
SPHR 8.9	8.9	65	125	8.9	13
SPHR 9.0	9.0	65	125	9.0	13
SPHR 9.1	9.1	65	125	9.1	13
SPHR 9.2	9.2	65	125	9.2	13
SPHR 9.3	9.3	65	125	9.3	13
SPHR 9.4	9.4	65	125	9.4	13
SPHR 9.5	9.5	65	125	9.5	13
SPHR 9.6	9.6	65	125	9.6	13
SPHR 9.7	9.7	70	130	9.7	13
SPHR 9.8	9.8	70	130	9.8	14
SPHR 9.9	9.9	70	130	9.9	14
SPHR 10.0	10.0	70	130	10.0	14
SPHR 10.1	10.1	70	130	10.1	14
SPHR 10.2	10.2	70	135	10.2	14
SPHR 10.3	10.3	70	135	10.3	14
SPHR 10.4	10.4	70	135	10.4	14
SPHR 10.5	10.5	70	135	10.5	14
SPHR 10.6	10.6	70	135	10.6	14
SPHR 10.7	10.7	75	140	10.7	15
SPHR 10.8	10.8	75	140	10.8	15
SPHR 10.9	10.9	75	140	10.9	15
SPHR 11.0	11.0	75	140	11.0	15
SPHR 11.1	11.1	75	140	11.1	15
SPHR 11.2	11.2	75	145	11.2	15
SPHR 11.3	11.3	75	145	11.3	15
SPHR 11.4	11.4	75	145	11.4	15
SPHR 11.5	11.5	75	145	11.5	15
SPHR 11.6	11.6	75	145	11.6	15
SPHR 11.7	11.7	75	150	11.7	15
SPHR 11.8	11.8	75	150	11.8	15
SPHR 11.9	11.9	75	150	11.9	15
SPHR 12.0	12.0	75	150	12.0	15
SPHR 12.1	12.1	75	150	12.1	15
SPHR 12.2	12.2	80	155	12.2	16
SPHR 12.3	12.3	80	155	12.3	16
SPHR 12.4	12.4	80	155	12.4	16
SPHR 12.5	12.5	80	155	12.5	16
SPHR 12.6	12.6	80	155	12.6	16
SPHR 12.7	12.7	80	160	12.7	16
SPHR 12.8	12.8	80	160	12.8	16
SPHR 12.9	12.9	80	160	12.9	16
SPHR 13.0	13.0	80	160	13.0	16
SPHR 13.1	13.1	85	165	13.1	17
SPHR 13.2	13.2	85	165	13.2	17
SPHR 13.3	13.3	85	165	13.3	17
SPHR 13.4	13.4	85	165	13.4	17
SPHR 13.5	13.5	85	165	13.5	17
SPHR 13.6	13.6	85	165	13.6	17
SPHR 13.7	13.7	85	165	13.7	17
SPHR 13.8	13.8	85	165	13.8	17
SPHR 13.9	13.9	85	165	13.9	17
SPHR 14.0	14.0	85	165	14.0	17
SPHR 14.5	14.5	90	170	14.5	18
SPHR 15.0	15.0	90	175	15.0	18
SPHR 15.5	15.5	95	185	15.5	19
SPHR 16.0	16.0	95	185	16.0	19
SPHR 16.5	16.5	100	190	16.5	20
SPHR 17.0	17.0	100	190	17.0	20
SPHR 17.5	17.5	105	200	17.5	21
SPHR 18.0	18.0	105	200	18.0	21
SPHR 18.5	18.5	105	210	18.5	21
SPHR 19.0	19.0	105	210	19.0	21
SPHR 20.0	20.0	110	220	20.0	22

ซัดกึ่งรีมเมอร์

CHUCKING REAMERS



■ MAT : HSS

Order No.	Diameter	Flute Length	Overall Length	Shank Diameter	Chamfer
	D	ℓ	L	d	T
CR1.95	1.95	20	80	1.8	4
CR1.96	1.96	20	80	1.8	4
CR1.97	1.97	20	80	1.8	4
CR1.98	1.98	20	80	1.8	4
CR1.99	1.99	20	80	1.8	4
CR2.0	2.0	20	80	1.8	4
CR2.01	2.01	20	80	1.8	4
CR2.02	2.02	20	80	1.8	4
CR2.03	2.03	20	80	1.8	4
CR2.04	2.04	20	80	1.8	4
CR2.05	2.05	20	80	1.8	4
CR2.06	2.06	20	80	1.8	4
CR2.07	2.07	20	80	1.8	4
CR2.08	2.08	20	80	1.8	4
CR2.09	2.09	20	80	1.8	4
CR2.1	2.1	20	80	1.8	4
CR2.2	2.2	25	90	2.0	4
CR2.2	2.3	25	90	2.0	4
CR2.4	2.4	25	90	2.2	4
CR2.5	2.5	25	90	2.2	4
CR2.6	2.6	25	90	2.2	4
CR2.7	2.7	30	110	2.5	6
CR2.8	2.8	30	110	2.5	6
CR2.9	2.9	30	110	2.5	6
CR2.95	2.95	30	110	2.5	6
CR2.96	2.96	30	110	2.5	6
CR2.97	2.97	30	110	2.5	6
CR2.98	2.98	30	110	2.5	6
CR2.99	2.99	30	110	2.5	6
CR3.0	3.0	30	110	2.5	6
CR3.01	3.01	30	110	2.5	6
CR3.02	3.02	30	110	2.5	6
CR3.03	3.03	30	110	2.5	6
CR3.04	3.04	30	110	2.5	6
CR3.05	3.05	30	110	2.5	6
CR3.06	3.06	30	110	2.5	6
CR3.07	3.07	30	110	2.5	6
CR3.08	3.08	30	110	2.5	6
CR3.09	3.09	30	110	2.5	6
CR3.1	3.1	30	110	2.5	6
CR3.2	3.2	30	110	2.8	6
CR3.3	3.3	30	110	2.8	6
CR3.4	3.4	30	110	2.8	6
CR3.5	3.5	30	110	2.8	6
CR3.6	3.6	30	110	2.8	6
CR3.7	3.7	30	110	3.5	6
CR3.8	3.8	30	110	3.5	6
CR3.9	3.9	30	110	3.5	6
CR3.95	3.95	30	110	3.5	6
CR3.96	3.96	30	110	3.5	6
CR3.97	3.97	30	110	3.5	6
CR3.98	3.98	30	110	3.5	6
CR3.99	3.99	30	110	3.5	6
CR4.0	4.0	30	110	3.5	6
CR4.01	4.01	30	110	3.5	6
CR4.02	4.02	30	110	3.5	6
CR4.03	4.03	30	110	3.5	6
CR4.04	4.04	30	110	3.5	6

Order No.	Diameter	Flute Length	Overall Length	Shank Diameter	Chamfer
	D	ℓ	L	d	T
CR4.05	4.05	30	110	3.5	6
CR4.06	4.06	30	110	3.5	6
CR4.07	4.07	30	110	3.5	6
CR4.08	4.08	30	110	3.5	6
CR4.09	4.09	30	110	3.5	6
CR4.1	4.1	30	110	3.5	6
CR4.2	4.2	30	120	3.5	6
CR4.3	4.3	30	120	3.5	6
CR4.4	4.4	30	120	3.5	6
CR4.5	4.5	30	120	3.5	6
CR4.6	4.6	30	120	3.5	6
CR4.7	4.7	30	120	4.0	6
CR4.8	4.8	30	120	4.0	6
CR4.9	4.9	30	120	4.0	6
CR4.95	4.95	30	120	4.0	6
CR4.96	4.96	30	120	4.0	6
CR4.97	4.97	30	120	4.0	6
CR4.98	4.98	30	120	4.0	6
CR4.99	4.99	30	120	4.0	6
CR5.0	5.0	30	120	4.0	6
CR5.01	5.01	30	120	4.0	6
CR5.02	5.02	30	120	4.0	6
CR5.03	5.03	30	120	4.0	6
CR5.04	5.04	30	120	4.0	6
CR5.05	5.05	30	120	4.0	6
CR5.06	5.06	30	120	4.0	6
CR5.07	5.07	30	120	4.0	6
CR5.08	5.08	30	120	4.0	6
CR5.09	5.09	30	120	4.0	6
CR5.1	5.1	30	120	4.0	6
CR5.2	5.2	30	120	4.5	6
CR5.3	5.3	30	120	4.5	6
CR5.4	5.4	30	120	4.5	6
CR5.5	5.5	30	120	4.5	6
CR5.6	5.6	30	120	4.5	6
CR5.7	5.7	30	130	5.0	6
CR5.8	5.8	30	130	5.0	6
CR5.9	5.9	30	130	5.0	6
CR5.95	5.95	30	130	5.0	6
CR5.96	5.96	30	130	5.0	6
CR5.97	5.97	30	130	5.0	6
CR5.98	5.98	30	130	5.0	6
CR5.99	5.99	30	130	5.0	6
CR6.0	6.0	30	130	5.0	6
CR6.01	6.01	30	130	5.0	6
CR6.02	6.02	30	130	5.0	6
CR6.03	6.03	30	130	5.0	6
CR6.04	6.04	30	130	5.0	6
CR6.05	6.05	30	130	5.0	6
CR6.06	6.06	30	130	5.0	6
CR6.07	6.07	30	130	5.0	6
CR6.08	6.08	30	130	5.0	6
CR6.09	6.09	30	130	5.0	6
CR6.1	6.1	30	130	5.0	6
CR6.2	6.2	35	130	5.0	6
CR6.3	6.3	35	130	5.0	6
CR6.4	6.4	35	130	5.0	6
CR6.5	6.5	35	130	5.0	6

Carbide
คาร์ไบด์

HSS

ไฮสปีด

Spiral Flute

ซัดเกลียว

Straight Flute

ซัดตรง

Helical Flute

ซัดเกลี้ยง



Carbide

คาร์ไบด์

HSS

ไฮสปีด

Spiral Flute

ร่องเกลียว

Straight Flute

ร่องตรง

Helical Flute

ร่องเอียง

Order No.	Diameter	Flute Length	Overall Length	Shank Diameter	Chamfer
	D	ℓ	L	d	T
CR6.6	6.6	35	130	5.0	6
CR6.7	6.7	35	140	6.0	6
CR6.8	6.8	35	140	6.0	6
CR6.9	6.9	35	140	6.0	6
CR6.95	6.95	35	140	6.0	6
CR6.96	6.96	35	140	6.0	6
CR6.97	6.97	35	140	6.0	6
CR6.98	6.98	35	140	6.0	6
CR6.99	6.99	35	140	6.0	6
CR7.0	7.0	35	140	6.0	6
CR7.01	7.01	35	140	6.0	6
CR7.02	7.02	35	140	6.0	6
CR7.03	7.03	35	140	6.0	6
CR7.04	7.04	35	140	6.0	6
CR7.05	7.05	35	140	6.0	6
CR7.06	7.06	35	140	6.0	6
CR7.07	7.07	35	140	6.0	6
CR7.08	7.08	35	140	6.0	6
CR7.09	7.09	35	140	6.0	6
CR7.1	7.1	35	140	6.0	6
CR7.2	7.2	35	140	6.0	6
CR7.3	7.3	35	140	6.0	6
CR7.4	7.4	35	140	6.0	6
CR7.5	7.5	35	140	6.0	6
CR7.6	7.6	35	140	6.0	6
CR7.7	7.7	40	150	6.0	6
CR7.8	7.8	40	150	6.0	6
CR7.9	7.9	40	150	6.0	6
CR7.95	7.95	40	150	6.0	6
CR7.96	7.96	40	150	6.0	6
CR7.97	7.97	40	150	6.0	6
CR7.98	7.98	40	150	6.0	6
CR7.99	7.99	40	150	6.0	6
CR8.0	8.0	40	150	6.0	6
CR8.01	8.01	40	150	6.0	6
CR8.02	8.02	40	150	6.0	6
CR8.03	8.03	40	150	6.0	6
CR8.04	8.04	40	150	6.0	6
CR8.05	8.05	40	150	6.0	6
CR8.06	8.06	40	150	6.0	6
CR8.07	8.07	40	150	6.0	6
CR8.08	8.08	40	150	6.0	6
CR8.09	8.09	40	150	6.0	6
CR8.1	8.1	40	150	6.0	6
CR8.2	8.2	40	150	7.0	6
CR8.3	8.3	40	150	7.0	6
CR8.4	8.4	40	150	7.0	6
CR8.5	8.5	40	150	7.0	6
CR8.6	8.6	40	150	7.0	6
CR8.7	8.7	40	160	7.0	6
CR8.8	8.8	40	160	7.0	6
CR8.9	8.9	40	160	7.0	6
CR8.95	8.95	40	160	7.0	6
CR8.96	8.96	40	160	7.0	6
CR8.97	8.97	40	160	7.0	6
CR8.98	8.98	40	160	7.0	6
CR8.99	8.99	40	160	7.0	6
CR9.0	9.0	40	160	7.0	6
CR9.01	9.01	40	160	7.0	6
CR9.02	9.02	40	160	7.0	6
CR9.03	9.03	40	160	7.0	6
CR9.04	9.04	40	160	7.0	6
CR9.05	9.05	40	160	7.0	6
CR9.06	9.06	40	160	7.0	6
CR9.07	9.07	40	160	7.0	6
CR9.08	9.08	40	160	7.0	6
CR9.09	9.09	40	160	7.0	6
CR9.1	9.1	40	160	7.0	6
CR9.2	9.2	40	160	7.0	6
CR9.3	9.3	40	160	7.0	6

Order No.	Diameter	Flute Length	Overall Length	Shank Diameter	Chamfer
	D	ℓ	L	d	T
CR9.4	9.4	40	160	7.0	6
CR9.5	9.5	40	160	7.0	6
CR9.6	9.6	40	160	7.0	6
CR9.7	9.7	40	160	8.0	6
CR9.8	9.8	40	160	8.0	6
CR9.9	9.9	40	160	8.0	6
CR9.95	9.95	40	160	8.0	6
CR9.96	9.96	40	160	8.0	6
CR9.97	9.97	40	160	8.0	6
CR9.98	9.98	40	160	8.0	6
CR9.99	9.99	40	160	8.0	6
CR10.0	10.0	40	160	8.0	6
CR10.01	10.01	40	160	8.0	6
CR10.02	10.02	40	160	8.0	6
CR10.03	10.03	40	160	8.0	6
CR10.04	10.04	40	160	8.0	6
CR10.05	10.05	40	160	8.0	6
CR10.06	10.06	40	160	8.0	6
CR10.07	10.07	40	160	8.0	6
CR10.08	10.08	40	160	8.0	6
CR10.09	10.09	40	160	8.0	6
CR10.1	10.1	40	160	8.0	6
CR10.2	10.2	40	160	8.0	6
CR10.3	10.3	40	160	8.0	6
CR10.4	10.4	40	160	8.0	6
CR10.5	10.5	40	160	8.0	6
CR10.6	10.6	40	160	8.0	6
CR10.7	10.7	45	170	8.0	6
CR10.8	10.8	45	170	8.0	6
CR10.9	10.9	45	170	8.0	6
CR10.95	10.95	45	170	8.0	6
CR10.96	10.96	45	170	8.0	6
CR10.97	10.97	45	170	8.0	6
CR10.98	10.98	45	170	8.0	6
CR10.99	10.99	45	170	8.0	6
CR11.0	11.0	45	170	8.0	6
CR11.01	11.01	45	170	8.0	6
CR11.02	11.02	45	170	8.0	6
CR11.03	11.03	45	170	8.0	6
CR11.04	11.04	45	170	8.0	6
CR11.05	11.05	45	170	8.0	6
CR11.06	11.06	45	170	8.0	6
CR11.07	11.07	45	170	8.0	6
CR11.08	11.08	45	170	8.0	6
CR11.09	11.09	45	170	8.0	6
CR11.1	11.1	45	170	8.0	6
CR11.2	11.2	45	170	9.0	6
CR11.3	11.3	45	170	9.0	6
CR11.4	11.4	45	170	9.0	6
CR11.5	11.5	45	170	9.0	6
CR11.6	11.6	45	170	9.0	6
CR11.7	11.7	45	170	9.0	6
CR11.8	11.8	45	170	9.0	6
CR11.9	11.9	45	170	9.0	6
CR11.95	11.95	45	170	9.0	6
CR11.96	11.96	45	170	9.0	6
CR11.97	11.97	45	170	9.0	6
CR11.98	11.98	45	170	9.0	6
CR11.99	11.99	45	170	9.0	6
CR12.0	12.0	45	170	9.0	6
CR12.01	12.01	45	170	9.0	6
CR12.02	12.02	45	170	9.0	6
CR12.03	12.03	45	170	9.0	6
CR12.04	12.04	45	170	9.0	6
CR12.05	12.05	45	170	9.0	6
CR12.06	12.06	45	170	9.0	6
CR12.07	12.07	45	170	9.0	6
CR12.08	12.08	45	170	9.0	6
CR12.09	12.09	45	170	9.0	6
CR12.1	12.1	45	170	9.0	6

Order No.	Diameter	Flute Length	Overall Length	Shank Diameter	Chamfer
	D	ℓ	L	d	T
CR12.2	12.2	45	180	9.0	6
CR12.3	12.3	45	180	9.0	6
CR12.4	12.4	45	180	9.0	6
CR12.5	12.5	45	180	9.0	8
CR12.6	12.6	45	180	9.0	8
CR12.7	12.7	45	180	10.0	8
CR12.8	12.8	45	180	10.0	8
CR12.9	12.9	45	180	10.0	8
CR12.95	12.95	45	180	10.0	8
CR12.96	12.96	45	180	10.0	8
CR12.97	12.97	45	180	10.0	8
CR12.98	12.98	45	180	10.0	8
CR12.99	12.99	45	180	10.0	8
CR13.0	13.0	45	180	10.0	8
CR13.01	13.01	45	180	10.0	8
CR13.02	13.02	45	180	10.0	8
CR13.03	13.03	45	180	10.0	8
CR13.04	13.04	45	180	10.0	8
CR13.05	13.05	45	180	10.0	8
CR13.06	13.06	45	180	10.0	8

Order No.	Diameter	Flute Length	Overall Length	Shank Diameter	Chamfer
	D	ℓ	L	d	T
CR13.07	13.07	45	180	10.0	8
CR13.08	13.08	45	180	10.0	8
CR13.09	13.09	45	180	10.0	8
CR13.1	13.1	45	180	10.0	8
CR13.2	13.2	45	180	10.0	8
CR13.3	13.3	45	180	10.0	8
CR13.4	13.4	45	180	10.0	8
CR13.5	13.5	45	180	10.0	8
CR13.6	13.6	45	180	10.0	8
CR13.7	13.7	45	180	10.0	8
CR13.8	13.8	45	180	10.0	8
CR13.9	13.9	45	180	10.0	8
CR14.0	14.0	50	190	10.0	8
CR15.0	15.0	50	200	11.0	8
CR16.0	16.0	50	200	12.0	8
CR17.0	17.0	55	200	12.0	8
CR18.0	18.0	55	220	14.0	8
CR19.0	19.0	55	220	14.0	8
CR20.0	20.0	60	230	14.0	8

Carbide

คาร์ไบด์

HSS

ไฮสปีด

Spiral Flute

ร่องเกลียว

Straight Flute

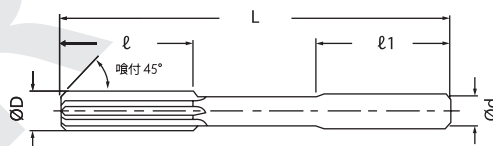
ร่องตรง

Helical Flute

ร่องเกลียว

ชุดกึ่งรีมเมอร์ก้านยาว

CHUCKING REAMERS WITH LONG SHANK



■ MAT : HSS-Co

Order No.	Diameter	Flute Length	Overall Length	Shank Length	Shank Diameter	No. Flute
	D	ℓ	L	ℓ1	d	N
CRL3.0	3.0	35	165	75	3.0	6
CRL3.1	3.1	35	165	75	3.0	6
CRL3.2	3.2	35	165	75	3.0	6
CRL3.3	3.3	35	165	75	3.0	6
CRL3.4	3.4	35	165	75	3.0	6
CRL3.5	3.5	35	165	75	3.5	6
CRL3.6	3.6	35	165	75	3.5	6
CRL3.7	3.7	35	165	75	3.5	6
CRL3.8	3.8	35	165	75	3.5	6
CRL3.9	3.9	35	165	75	3.5	6
CRL4.0	4.0	35	165	75	4.0	6
CRL4.1	4.1	35	165	75	4.0	6
CRL4.2	4.2	35	165	75	4.0	6
CRL4.3	4.3	35	165	75	4.0	6
CRL4.4	4.4	35	165	75	4.0	6
CRL4.5	4.5	35	165	75	4.5	6
CRL4.6	4.6	35	165	75	4.5	6
CRL4.7	4.7	35	165	75	4.5	6
CRL4.8	4.8	35	165	75	4.5	6
CRL4.9	4.9	35	165	75	4.5	6
CRL5.0	5.0	35	180	75	5.0	6
CRL5.1	5.1	35	180	75	5.0	6
CRL5.2	5.2	35	180	75	5.0	6
CRL5.3	5.3	35	180	75	5.0	6
CRL5.4	5.4	35	180	75	5.0	6
CRL5.5	5.5	35	180	75	5.5	6
CRL5.6	5.6	35	180	75	5.5	6
CRL5.7	5.7	35	180	75	5.5	6
CRL5.8	5.8	35	180	75	5.5	6
CRL5.9	5.9	35	180	75	5.5	6

Order No.	Diameter	Flute Length	Overall Length	Shank Length	Shank Diameter	No. Flute
	D	ℓ	L	ℓ1	d	N
CRL6.0	6.0	35	195	90	6.0	6
CRL6.1	6.1	35	195	90	6.0	6
CRL6.2	6.2	35	195	90	6.0	6
CRL6.3	6.3	35	195	90	6.0	6
CRL6.4	6.4	35	195	90	6.0	6
CRL6.5	6.5	35	195	90	6.0	6
CRL6.6	6.6	35	195	90	6.0	6
CRL6.7	6.7	35	195	90	6.0	6
CRL6.8	6.8	35	195	90	6.0	6
CRL6.9	6.9	35	195	90	6.0	6
CRL7.0	7.0	35	205	90	7.0	6
CRL7.1	7.1	35	205	90	7.0	6
CRL7.2	7.2	35	205	90	7.0	6
CRL7.3	7.3	35	205	90	7.0	6
CRL7.4	7.4	35	205	90	7.0	6
CRL7.5	7.5	35	205	90	7.0	6
CRL7.6	7.6	35	205	90	7.0	6
CRL7.7	7.7	35	205	90	7.0	6
CRL7.8	7.8	35	205	90	7.0	6
CRL7.9	7.9	35	205	90	7.0	6
CRL8.0	8.0	40	225	105	8.0	6
CRL8.1	8.1	40	225	105	8.0	6
CRL8.2	8.2	40	225	105	8.0	6
CRL8.3	8.3	40	225	105	8.0	6
CRL8.4	8.4	40	225	105	8.0	6
CRL8.5	8.5	40	225	105	8.0	6
CRL8.6	8.6	40	225	105	8.0	6
CRL8.7	8.7	40	225	105	8.0	6
CRL8.8	8.8	40	225	105	8.0	6
CRL8.9	8.9	40	225	105	8.0	6

REAMER

รีมเมอร์



DAIICHI TOOL

Straight Shank
ก้านตรง

Carbide

คาร์ไบด์

HSS

ไฮสปีด

Spiral Flute

ร่องเกลียว

Straight Flute

ร่องตรง

Helical Flute

ร่องเอียง

Order No.	Diameter	Flute Length	Overall Length	Shank Length	Shank Diameter	No. Flute
	D	ℓ	L	ℓ ₁	d	N
CRL9.0	9.0	40	225	105	9.0	6
CRL9.1	9.1	40	225	105	9.0	6
CRL9.2	9.2	40	225	105	9.0	6
CRL9.3	9.3	40	225	105	9.0	6
CRL9.4	9.4	40	225	105	9.0	6
CRL9.5	9.5	40	225	105	9.0	6
CRL9.6	9.6	40	225	105	9.0	6
CRL9.7	9.7	40	225	105	9.0	6
CRL9.8	9.8	40	225	105	9.0	6
CRL9.9	9.9	40	225	105	9.0	6
CRL10.0	10.0	40	240	105	10.0	6
CRL10.1	10.1	40	240	105	10.0	6
CRL10.2	10.2	40	240	105	10.0	6
CRL10.3	10.3	40	240	105	10.0	6
CRL10.4	10.4	40	240	105	10.0	6
CRL10.5	10.5	40	240	105	10.0	6
CRL10.6	10.6	40	240	105	10.0	6
CRL10.7	10.7	40	240	105	10.0	6
CRL10.8	10.8	40	240	105	10.0	6
CRL10.9	10.9	40	240	105	10.0	6
CRL11.0	11.0	45	240	105	10.0	6
CRL11.1	11.1	45	240	105	10.0	6
CRL11.2	11.2	45	240	105	10.0	6
CRL11.3	11.3	45	240	105	10.0	6
CRL11.4	11.4	45	240	105	10.0	6
CRL11.5	11.5	45	240	105	10.0	6
CRL11.6	11.6	45	240	105	10.0	6
CRL11.7	11.7	45	240	105	10.0	6

Order No.	Diameter	Flute Length	Overall Length	Shank Length	Shank Diameter	No. Flute
	D	ℓ	L	ℓ ₁	d	N
CRL11.8	11.8	45	240	105	10.0	6
CRL11.9	11.9	45	240	105	10.0	6
CRL12.0	12.0	45	255	105	12.0	6
CRL12.1	12.1	45	255	105	12.0	6
CRL12.2	12.2	45	255	105	12.0	6
CRL12.3	12.3	45	255	105	12.0	6
CRL12.4	12.4	45	255	105	12.0	6
CRL12.5	12.5	45	255	105	12.0	6
CRL12.6	12.6	45	255	105	12.0	6
CRL12.7	12.7	45	255	105	12.0	6
CRL12.8	12.8	45	255	105	12.0	6
CRL12.9	12.9	45	255	105	12.0	6
CRL13.0	13.0	45	265	120	13.0	8
CRL13.5	13.5	45	265	120	13.0	8
CRL14.0	14.0	50	285	120	14.0	8
CRL14.5	14.5	50	285	120	14.0	8
CRL15.0	15.0	50	285	120	15.0	8
CRL15.5	15.5	50	285	120	15.0	8
CRL16.0	16.0	50	300	135	16.0	8
CRL16.5	16.5	50	300	135	16.0	8
CRL17.0	17.0	55	300	135	16.0	8
CRL17.5	17.5	55	300	135	16.0	8
CRL18.0	18.0	55	320	140	18.0	8
CRL18.5	18.5	55	320	140	18.0	8
CRL19.0	19.0	55	320	140	18.0	8
CRL19.5	19.5	55	320	140	18.0	8
CRL20.0	20.0	60	345	150	20.0	8

Order No.	Diameter	Flute Length	Overall Length	Shank Length	Shank Diameter	Chamfer
	D	ℓ	L	ℓ ₁	d	T
CRL 2.95~2.99	2.95~2.99	35	165	75	3	6
CRL 3.01~3.09	3.01~3.09	35	165	75	3	6
CRL 3.95~3.99	3.95~3.99	35	165	75	4	6
CRL 4.01~4.09	4.01~4.09	35	165	75	4	6
CRL 4.95~4.99	4.95~4.99	35	180	75	5	6
CRL 5.01~5.09	5.01~5.09	35	180	75	5	6
CRL 5.95~5.99	5.95~5.99	35	195	90	6	6
CRL 6.01~6.09	6.01~6.09	35	195	90	6	6
CRL 6.95~6.99	6.95~6.99	35	205	90	7	6
CRL 7.01~7.09	7.01~7.09	35	205	90	7	6
CRL 7.95~7.99	7.95~7.99	40	225	105	8	6
CRL 8.01~8.09	8.01~8.09	40	225	105	8	6
CRL 8.95~8.99	8.95~8.99	40	225	105	9	6
CRL 9.01~9.09	9.01~9.09	40	225	105	9	6

Order No.	Diameter	Flute Length	Overall Length	Shank Length	Shank Diameter	Chamfer
	D	ℓ	L	ℓ ₁	d	T
CRL 9.95~9.99	9.95~9.99	40	240	105	10	6
CRL10.01~10.09	10.01~10.09	40	240	105	10	6
CRL10.95~10.99	10.95~10.99	45	240	105	10	6
CRL11.01~11.09	11.01~11.09	45	240	105	10	6
CRL11.95~11.99	11.95~11.99	45	255	105	12	6
CRL12.01~12.09	12.01~12.09	45	255	105	12	6

Diameter	Tolerance
0.1 m/m 寸法	m5
0.01 m/m 寸法	+0.005 +0

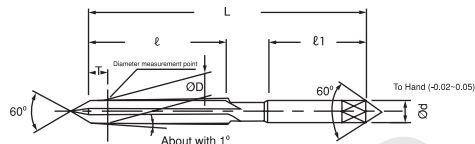
ไฮสปีดแฮนด์รีมเมอร์ HR HSS HAND REAMERS



Nose shape : Diameter lower than 3.97

รูปร่างปลายรีมเมอร์ : Diameter ที่ต่ำกว่า 3.97

Diameter $\varnothing 0.5 \sim \varnothing 1.4$ or less of the handle diameter = $\varnothing 2.0$
Diameter $\varnothing 1.5 \sim \varnothing 2.9$ or less of the handle diameter = $\varnothing 3.0$



■ MAT : HSS

Order No.	Diameter	Flute Length	Overall Length	Shank Length	Chamfer
	D	ℓ	L	ℓ ₁	T
HR0.4	0.4	10	30	14	2.5
HR0.5	0.5	10	30	14	2.5
HR0.6	0.6	10	30	14	2.5
HR0.7	0.7	10	30	15	2.5
HR0.8	0.8	15	30	15	3
HR0.9	0.9	15	30	15	3
HR1.0	1.0	20	40	15	4
HR1.1	1.1	20	40	15	4
HR1.2	1.2	25	45	15	5
HR1.3	1.3	25	45	15	5
HR1.4	1.4	25	45	15	5
HR1.5	1.5	25	50	19	5
HR1.6	1.6	25	50	19	5
HR1.7	1.7	25	50	19	5
HR1.8	1.8	30	55	19	6
HR1.9	1.9	30	55	19	6
HR2.0	2.0	30	60	23	6
HR2.1	2.1	30	60	23	6
HR2.2	2.2	30	60	23	6
HR2.3	2.3	30	60	23	6
HR2.4	2.4	30	60	23	6
HR2.5	2.5	35	65	23	7
HR2.6	2.6	35	65	23	7
HR2.7	2.7	35	65	23	7
HR2.8	2.8	35	65	23	7
HR2.9	2.9	35	65	23	7
HR3.0	3.0	40	72	23	8
HR3.1	3.1	40	72	23	8
HR3.2	3.2	40	75	26	8
HR3.3	3.3	40	75	26	8
HR3.4	3.4	40	75	26	8
HR3.5	3.5	40	75	26	8
HR3.6	3.6	40	75	26	8
HR3.7	3.7	40	75	26	8
HR3.8	3.8	40	75	26	8
HR3.9	3.9	40	75	26	8
HR4.0	4.0	40	80	30	8
HR4.1	4.1	40	80	30	8
HR4.2	4.2	45	85	30	9
HR4.3	4.3	45	85	30	9
HR4.4	4.4	45	85	30	9
HR4.5	4.5	45	85	30	9
HR4.6	4.6	45	85	30	9
HR4.7	4.7	45	90	35	9
HR4.8	4.8	45	90	35	9
HR4.9	4.9	45	90	35	9
HR5.0	5.0	45	90	35	9
HR5.1	5.1	45	90	35	9
HR5.2	5.2	45	95	38	10
HR5.3	5.3	45	95	38	10
HR5.4	5.4	45	95	38	10
HR5.5	5.5	45	95	38	10
HR5.6	5.6	45	95	38	10
HR5.7	5.7	50	100	38	10
HR5.8	5.8	50	100	38	10
HR5.9	5.9	50	100	38	10

Order No.	Diameter	Flute Length	Overall Length	Shank Length	Chamfer
	D	ℓ	L	ℓ ₁	T
HR6.0	6.0	50	100	38	10
HR6.1	6.1	50	100	38	10
HR6.2	6.2	50	100	38	10
HR6.3	6.3	50	100	38	10
HR6.4	6.4	50	100	38	10
HR6.5	6.5	50	100	38	10
HR6.6	6.6	50	100	38	10
HR6.7	6.7	55	105	38	11
HR6.8	6.8	55	105	38	11
HR6.9	6.9	55	105	38	11
HR7.0	7.0	55	105	38	11
HR7.1	7.1	55	105	38	11
HR7.2	7.2	55	110	42	11
HR7.3	7.3	55	110	42	11
HR7.4	7.4	55	110	42	11
HR7.5	7.5	55	110	42	11
HR7.6	7.6	55	110	42	11
HR7.7	7.7	60	115	42	12
HR7.8	7.8	60	115	42	12
HR7.9	7.9	60	115	42	12
HR8.0	8.0	60	115	42	12
HR8.1	8.1	60	115	42	12
HR8.2	8.2	60	120	45	12
HR8.3	8.3	60	120	45	12
HR8.4	8.4	60	120	45	12
HR8.5	8.5	60	120	45	12
HR8.6	8.6	60	120	45	12
HR8.7	8.7	65	125	45	13
HR8.8	8.8	65	125	45	13
HR8.9	8.9	65	125	45	13
HR9.0	9.0	65	125	45	13
HR9.1	9.1	65	125	45	13
HR9.2	9.2	65	125	45	13
HR9.3	9.3	65	125	45	13
HR9.4	9.4	65	125	45	13
HR9.5	9.5	65	125	45	13
HR9.6	9.6	65	125	45	13
HR9.7	9.7	70	130	45	14
HR9.8	9.8	70	130	45	14
HR9.9	9.9	70	130	45	14
HR10.0	10.0	70	130	45	14
HR10.1	10.1	70	130	45	14
HR10.2	10.2	70	135	50	14
HR10.3	10.3	70	135	50	14
HR10.4	10.4	70	135	50	14
HR10.5	10.5	70	135	50	14
HR10.6	10.6	70	135	50	14
HR10.7	10.7	75	140	50	15
HR10.8	10.8	75	140	50	15
HR10.9	10.9	75	140	50	15
HR11.0	11.0	75	140	50	15
HR11.1	11.1	75	140	50	15
HR11.2	11.2	75	145	54	15
HR11.3	11.3	75	145	54	15
HR11.4	11.4	75	145	54	15
HR11.5	11.5	75	145	54	15

Carbide

คาร์ไบด์

HSS

ไฮสปีด

Spiral Flute

ร่องเกลียว

Straight Flute

ร่องตรง

Helical Flute

ร่องเกลี้ยง

REAMER

รีมเมอร์



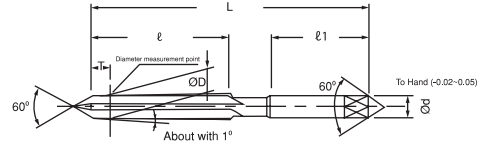
DAIICHI TOOL

Straight Shank
ก้านตรง



Nose Shape : Diameter Above 3.97

รูปร่างปลายรีมเมอร์ : Diameter ที่สูงกว่า 3.97



Carbide

คาร์ไบด์

HSS

ไฮสปีด

Spiral Flute

ร่องเกลียว

Straight Flute

ร่องตรง

Helical Flute

ร่องเอียง

■ MAT : HSS

Order No.	Diameter	Flute Length	Overall Length	Shank Length	Chamfer
	D	ℓ	L	ℓ1	T
HR11.6	11.6	75	145	54	15
HR11.7	11.7	75	150	58	15
HR11.8	11.8	75	150	58	15
HR11.9	11.9	75	150	58	15
HR12.0	12.0	75	150	58	15
HR12.1	12.1	75	150	58	15
HR12.2	12.2	80	155	58	16
HR12.3	12.3	80	155	58	16
HR12.4	12.4	80	155	58	16
HR12.5	12.5	80	155	58	16
HR12.6	12.6	80	155	58	16
HR12.7	12.7	80	160	62	16
HR12.8	12.8	80	160	62	16
HR12.9	12.9	80	160	62	16
HR13.0	13.0	80	160	62	16
HR13.1	13.1	85	165	62	17
HR13.2	13.2	85	165	62	17
HR13.3	13.3	85	165	62	17
HR13.4	13.4	85	165	62	17
HR13.5	13.5	85	165	62	17
HR13.6	13.6	85	165	62	17
HR13.7	13.7	85	165	62	17
HR13.8	13.8	85	165	62	17
HR13.9	13.9	85	165	62	17
HR14.0	14.0	85	165	62	17
HR14.1	14.1	90	170	62	18
HR14.2	14.2	90	170	62	18
HR14.3	14.3	90	170	62	18
HR14.4	14.4	90	170	62	18
HR14.5	14.5	90	170	62	18
HR14.6	14.6	90	175	66	18
HR14.7	14.7	90	175	66	18
HR14.8	14.8	90	175	66	18
HR14.9	14.9	90	175	66	18
HR15.0	15.0	90	175	66	18
HR15.1	15.1	95	185	70	19
HR15.2	15.2	95	185	70	19
HR15.3	15.3	95	185	70	19
HR15.4	15.4	95	185	70	19
HR15.5	15.5	95	185	70	19
HR15.6	15.6	95	185	70	19
HR15.7	15.7	95	185	70	19
HR15.8	15.8	95	185	70	19
HR15.9	15.9	95	185	70	19
HR16.0	16.0	95	185	70	19
HR16.1	16.1	100	190	70	20
HR16.2	16.2	100	190	70	20
HR16.3	16.3	100	190	70	20
HR16.4	16.4	100	190	70	20
HR16.5	16.5	100	190	70	20
HR16.6	16.6	100	190	70	20
HR16.7	16.7	100	190	70	20
HR16.8	16.8	100	190	70	20
HR16.9	16.9	100	190	70	20
HR17.0	17.0	100	190	70	20
HR17.1	17.1	105	200	75	21

(0.1mm)

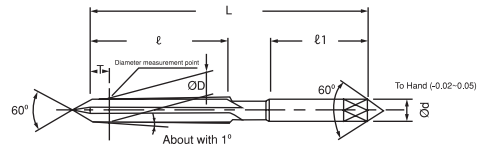
Order No.	Diameter	Flute Length	Overall Length	Shank Length	Chamfer
	D	ℓ	L	ℓ1	T
HR17.2	17.2	105	200	75	21
HR17.3	17.3	105	200	75	21
HR17.4	17.4	105	200	75	21
HR17.5	17.5	105	200	75	21
HR17.6	17.6	105	200	75	21
HR17.7	17.7	105	200	75	21
HR17.8	17.8	105	200	75	21
HR17.9	17.9	105	200	75	21
HR18.0	18.0	105	200	75	21
HR18.1	18.1	105	210	85	21
HR18.2	18.2	105	210	85	21
HR18.3	18.3	105	210	85	21
HR18.4	18.4	105	210	85	21
HR18.5	18.5	105	210	85	21
HR18.6	18.6	105	210	85	21
HR18.7	18.7	105	210	85	21
HR18.8	18.8	105	210	85	21
HR18.9	18.9	105	210	85	21
HR19.0	19.0	105	210	85	21
HR19.1	19.1	110	220	88	22
HR19.2	19.2	110	220	88	22
HR19.3	19.3	110	220	88	22
HR19.4	19.4	110	220	88	22
HR19.5	19.5	110	220	88	22
HR19.6	19.6	110	220	88	22
HR19.7	19.7	110	220	88	22
HR19.8	19.8	110	220	88	22
HR19.9	19.9	110	220	88	22
HR20.0	20.0	110	220	88	22

ไฮสปีดแฮนด์รีมเมอร์ HR HSS HAND REAMERS



Nose shape : Diameter lower than 3.97
รูปร่างปลายรีมเมอร์ : Diameter ที่ต่ำกว่า 3.97

Diameter $\varnothing 0.5 \sim \varnothing 1.4$ or less of the handle diameter = $\varnothing 2.0$
Diameter $\varnothing 1.5 \sim \varnothing 2.9$ or less of the handle diameter = $\varnothing 3.0$



■ MAT : HSS

Order No.	Diameter	Flute Length	Overall Length	Shank Length	Chamfer
	D	ℓ	L	ℓ1	T
HR 0.41 ~ 0.49	0.41 ~ 0.49	10	30	14	2.5
HR 0.51 ~ 0.59	0.51 ~ 0.59	10	30	14	2.5
HR 0.61 ~ 0.69	0.61 ~ 0.69	10	30	14	2.5
HR 0.71 ~ 0.79	0.71 ~ 0.79	10	30	15	2.5
HR 0.81 ~ 0.89	0.81 ~ 0.89	15	35	15	3
HR 0.91 ~ 0.99	0.91 ~ 0.99	15	35	15	3
HR 1.01 ~ 1.09	1.01 ~ 1.09	20	40	15	4
HR 1.11 ~ 1.19	1.11 ~ 1.19	20	40	15	4
HR 1.21 ~ 1.29	1.21 ~ 1.29	25	45	15	5
HR 1.31 ~ 1.39	1.31 ~ 1.39	25	45	15	5
HR 1.41 ~ 1.49	1.41 ~ 1.49	25	45	15	5
HR 1.51 ~ 1.59	1.51 ~ 1.59	25	50	19	5
HR 1.61 ~ 1.69	1.61 ~ 1.69	25	50	19	5
HR 1.61 ~ 1.69	1.71 ~ 1.79	25	50	19	5
HR 1.81 ~ 1.89	1.81 ~ 1.89	30	55	19	6
HR 1.91 ~ 1.99	1.91 ~ 1.99	30	55	19	6
HR 2.01 ~ 2.09	2.01 ~ 2.09	30	60	23	6
HR 2.11 ~ 2.19	2.11 ~ 2.19	30	60	23	6
HR 2.21 ~ 2.29	2.21 ~ 2.29	30	60	23	6
HR 2.31 ~ 2.39	2.31 ~ 2.39	30	60	23	6
HR 2.41 ~ 2.49	2.41 ~ 2.49	30	60	23	6
HR 2.51 ~ 2.59	2.51 ~ 2.59	35	65	23	7
HR 2.61 ~ 2.69	2.61 ~ 2.69	35	65	23	7
HR 2.71 ~ 2.79	2.71 ~ 2.79	35	65	23	7
HR 2.81 ~ 2.89	2.81 ~ 2.89	35	65	23	7
HR 2.91 ~ 2.97	2.91 ~ 2.97	35	65	23	7
HR 3.01 ~ 3.09	2.98 ~ 2.99	40	72	23	8
HR 3.01 ~ 3.09	3.01 ~ 3.09	40	72	23	8
HR 3.11 ~ 3.19	3.11 ~ 3.19	40	72	23	8
HR 3.21 ~ 3.29	3.21 ~ 3.29	40	75	26	8
HR 3.31 ~ 3.39	3.31 ~ 3.39	40	75	26	8
HR 3.41 ~ 3.49	3.41 ~ 3.49	40	75	26	8
HR 3.51 ~ 3.59	3.51 ~ 3.59	40	75	26	8
HR 3.61 ~ 3.69	3.61 ~ 3.69	40	75	26	8
HR 3.71 ~ 3.79	3.71 ~ 3.79	40	75	26	8
HR 3.81 ~ 3.89	3.81 ~ 3.89	40	75	26	8
HR 3.91 ~ 3.97	3.91 ~ 3.97	40	75	26	8
HR 3.98 ~ 3.99	3.98 ~ 3.99	40	80	26	8
HR 4.01 ~ 4.09	4.01 ~ 4.09	40	80	26	8
HR 4.11 ~ 4.15	4.11 ~ 4.15	40	80	26	8
HR 4.16 ~ 4.19	4.16 ~ 4.19	45	85	26	9
HR 4.21 ~ 4.29	4.21 ~ 4.29	45	85	30	9
HR 4.31 ~ 4.39	4.31 ~ 4.39	45	85	30	9
HR 4.41 ~ 4.49	4.41 ~ 4.49	45	85	30	9
HR 4.51 ~ 4.59	4.51 ~ 4.59	45	85	30	9
HR 4.61 ~ 4.65	4.61 ~ 4.65	45	85	30	9
HR 4.66 ~ 4.69	4.66 ~ 4.69	45	90	30	9
HR 4.71 ~ 4.79	4.71 ~ 4.79	45	90	35	9
HR 4.81 ~ 4.89	4.81 ~ 4.89	45	90	35	9
HR 4.91 ~ 4.99	4.91 ~ 4.99	45	90	35	9
HR 5.01 ~ 5.09	5.01 ~ 5.09	45	90	35	9
HR 5.11 ~ 5.15	5.11 ~ 5.15	45	90	35	9
HR 5.16 ~ 5.19	5.16 ~ 5.19	45	95	35	10
HR 5.21 ~ 5.29	5.21 ~ 5.29	45	95	38	10
HR 5.31 ~ 5.39	5.31 ~ 5.39	45	95	38	10
HR 5.41 ~ 5.49	5.41 ~ 5.49	45	95	38	10

Order No.	Diameter	Flute Length	Overall Length	Shank Length	Chamfer
	D	ℓ	L	ℓ1	T
HR 5.51 ~ 5.59	5.51 ~ 5.59	45	95	38	10
HR 5.61 ~ 5.65	5.61 ~ 5.65	45	95	38	10
HR 5.66 ~ 5.69	5.66 ~ 5.69	50	100	38	10
HR 5.71 ~ 5.79	5.71 ~ 5.79	50	100	38	10
HR 5.81 ~ 5.89	5.81 ~ 5.89	50	100	38	10
HR 5.91 ~ 5.99	5.91 ~ 5.99	50	100	38	10
HR 6.01 ~ 6.09	6.01 ~ 6.09	50	100	38	10
HR 6.11 ~ 6.19	6.11 ~ 6.19	50	100	38	10
HR 6.21 ~ 6.29	6.21 ~ 6.29	50	100	38	10
HR 6.31 ~ 6.39	6.31 ~ 6.39	50	100	38	10
HR 6.41 ~ 6.49	6.41 ~ 6.49	50	100	38	10
HR 6.51 ~ 6.59	6.51 ~ 6.59	50	100	38	10
HR 6.61 ~ 6.65	6.61 ~ 6.65	50	100	38	10
HR 6.66 ~ 6.69	6.66 ~ 6.69	55	105	38	11
HR 6.71 ~ 6.79	6.71 ~ 6.79	55	105	38	11
HR 6.81 ~ 6.89	6.81 ~ 6.89	55	105	38	11
HR 6.91 ~ 6.99	6.91 ~ 6.99	55	105	38	11
HR 7.01 ~ 7.09	7.01 ~ 7.09	55	105	38	11
HR 7.11 ~ 7.15	7.11 ~ 7.15	55	105	38	11
HR 7.16 ~ 7.19	7.16 ~ 7.19	55	110	38	11
HR 7.21 ~ 7.29	7.21 ~ 7.29	55	110	42	11
HR 7.31 ~ 7.39	7.31 ~ 7.39	55	110	42	11
HR 7.41 ~ 7.49	7.41 ~ 7.49	55	110	42	11
HR 7.51 ~ 7.59	7.51 ~ 7.59	55	110	42	11
HR 7.61 ~ 7.65	7.61 ~ 7.65	55	110	42	11
HR 7.66 ~ 7.69	7.66 ~ 7.69	60	115	42	12
HR 7.71 ~ 7.79	7.71 ~ 7.79	60	115	42	12
HR 7.81 ~ 7.89	7.81 ~ 7.89	60	115	42	12
HR 7.91 ~ 7.99	7.91 ~ 7.99	60	115	42	12
HR 8.01 ~ 8.09	8.01 ~ 8.09	60	115	42	12
HR 8.11 ~ 8.15	8.11 ~ 8.15	60	115	42	12
HR 8.16 ~ 8.19	8.16 ~ 8.19	60	120	42	12
HR 8.21 ~ 8.29	8.21 ~ 8.29	60	120	45	12
HR 8.31 ~ 8.39	8.31 ~ 8.39	60	120	45	12
HR 8.41 ~ 8.49	8.41 ~ 8.49	60	120	45	12
HR 8.51 ~ 8.59	8.51 ~ 8.59	60	120	45	12
HR 8.61 ~ 8.65	8.61 ~ 8.65	60	120	45	12
HR 8.66 ~ 8.69	8.66 ~ 8.69	65	125	45	13
HR 8.71 ~ 8.79	8.71 ~ 8.79	65	125	45	13
HR 8.81 ~ 8.89	8.81 ~ 8.89	65	125	45	13
HR 8.89 ~ 8.99	8.89 ~ 8.99	65	125	45	13
HR 9.01 ~ 9.01	9.01 ~ 9.01	65	125	45	13
HR 9.11 ~ 9.19	9.11 ~ 9.19	65	125	45	13
HR 9.21 ~ 9.29	9.21 ~ 9.29	65	125	45	13
HR 9.31 ~ 9.39	9.31 ~ 9.39	65	125	45	13
HR 9.41 ~ 9.49	9.41 ~ 9.49	65	125	45	13
HR 9.51 ~ 9.59	9.51 ~ 9.59	65	125	45	13
HR 9.61 ~ 9.65	9.61 ~ 9.65	65	125	45	13
HR 9.66 ~ 9.69	9.66 ~ 9.69	70	130	45	14
HR 9.71 ~ 9.79	9.71 ~ 9.79	70	130	45	14
HR 9.81 ~ 9.89	9.81 ~ 9.89	70	130	45	14
HR 9.91 ~ 9.99	9.91 ~ 9.99	70	130	45	14
HR 10.01 ~ 10.09	10.01 ~ 10.09	70	130	45	14
HR 10.11 ~ 10.15	10.11 ~ 10.15	70	130	45	14
HR 10.16 ~ 10.19	10.16 ~ 10.19	70	135	45	14
HR 10.21 ~ 10.29	10.21 ~ 10.29	70	135	50	14

Carbide

คาร์ไบด์

HSS

ไฮสปีด

Spiral Flute

ขลุ่ยเกลียว

Straight Flute

ขลุ่ยตรง

Helical Flute

ขลุ่ยเกลียว

REAMER

รีมเมอร์

 DAIICHI TOOL

Straight Shank
ก้านตรง

- Carbide
คาร์ไบด์
- HSS**
ไฮสปีด
- Spiral Flute
ร่องเกลียว
- Straight Flute
ร่องตรง
- Helical Flute
ร่องเอียง

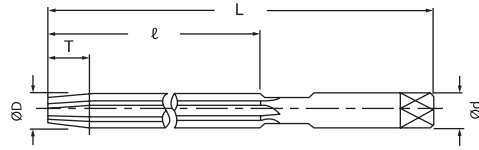
Order No.	Diameter	Flute Length	Overall Length	Shank Length	Chamfer
	D	ℓ	L	ℓ1	T
HR 10.31 ~ 10.39	10.31 ~ 10.39	70	135	50	14
HR 10.41 ~ 10.49	10.41 ~ 10.49	70	135	50	14
HR 10.51 ~ 10.59	10.51 ~ 10.59	70	135	50	14
HR 10.61 ~ 10.65	10.61 ~ 10.65	70	135	50	14
HR 10.66 ~ 10.69	10.66 ~ 10.69	75	140	50	14
HR 10.71 ~ 10.79	10.71 ~ 10.79	75	140	50	14
HR 10.81 ~ 10.89	10.81 ~ 10.89	75	140	50	15
HR 10.91 ~ 10.99	10.91 ~ 10.99	75	140	50	15
HR 11.01 ~ 11.09	11.01 ~ 11.09	75	140	50	15
HR 11.11 ~ 11.15	11.11 ~ 11.15	75	140	50	15
HR 11.16 ~ 11.19	11.16 ~ 11.19	75	145	50	15
HR 11.21 ~ 11.29	11.21 ~ 11.29	75	145	54	15
HR 11.31 ~ 11.39	11.31 ~ 11.39	75	145	54	15
HR 11.41 ~ 11.49	11.41 ~ 11.49	75	145	54	15
HR 11.51 ~ 11.59	11.51 ~ 11.59	75	145	54	15
HR 11.61 ~ 11.65	11.61 ~ 11.65	75	145	54	15
HR 11.66 ~ 11.69	11.66 ~ 11.69	75	150	54	15
HR 11.71 ~ 11.79	11.71 ~ 11.79	75	150	58	15
HR 11.81 ~ 11.89	11.81 ~ 11.89	75	150	58	15
HR 11.91 ~ 11.99	11.91 ~ 11.99	75	150	58	15
HR 12.01 ~ 12.09	12.01 ~ 12.09	75	150	58	15
HR 12.11 ~ 12.15	12.11 ~ 12.15	75	150	58	15
HR 12.16 ~ 12.19	12.16 ~ 12.19	80	155	58	15
HR 12.21 ~ 12.29	12.21 ~ 12.29	80	155	58	15
HR 12.31 ~ 12.39	12.31 ~ 12.39	80	155	58	15
HR 12.41 ~ 12.49	12.41 ~ 12.49	80	155	58	15
HR 12.51 ~ 12.49	12.51 ~ 12.49	80	155	58	16
HR 12.61 ~ 12.65	12.61 ~ 12.65	80	155	58	16
HR 12.66 ~ 12.69	12.66 ~ 12.69	80	160	58	16
HR 12.71 ~ 12.79	12.71 ~ 12.79	80	160	62	16
HR 12.81 ~ 12.89	12.81 ~ 12.89	80	160	62	16
HR 12.91 ~ 12.99	12.91 ~ 12.99	80	160	62	16
HR 13.01 ~ 13.05	13.01 ~ 13.05	80	160	62	16
HR 13.95 ~ 13.99	13.95 ~ 13.99	85	165	62	17
HR 14.01 ~ 14.05	14.01 ~ 14.05	85	165	62	17
HR 14.95 ~ 14.99	14.95 ~ 14.99	85	175	66	18
HR 15.01 ~ 15.05	15.01 ~ 15.05	90	175	66	18
HR 15.95 ~ 15.99	15.95 ~ 15.99	95	185	70	19
HR 16.01 ~ 16.05	16.01 ~ 16.05	95	185	70	19
HR 16.95 ~ 16.99	16.95 ~ 16.99	100	190	70	20
HR 17.01 ~ 17.05	17.01 ~ 17.05	100	190	7	20
HR 17.95 ~ 17.99	17.95 ~ 17.99	105	200	75	21
HR 18.01 ~ 18.05	18.01 ~ 18.05	105	200	75	21
HR 18.95 ~ 18.99	18.95 ~ 18.99	110	210	85	21
HR 19.01 ~ 19.05	19.01 ~ 19.05	110	210	85	22
HR 19.95 ~ 19.99	19.95 ~ 19.99	110	220	88	22
HR 20.01 ~ 20.05	20.01 ~ 20.05	110	220	88	22

Order No.	Diameter	Flute Length	Overall Length	Shank Length	Chamfer
	D	ℓ	L	ℓ1	T
HR 1/16	1/16	25	50	3	5
HR 1/8	1/8	40	72	1/8	8
HR 3/16	3/16	45	90	3/16	9
HR 1/4	1/4	50	100	1/4	10
HR 5/16	5/16	60	115	5/16	12
HR 3/8	3/8	65	125	3/8	13
HR 7/16	7/16	75	140	7/16	15
HR 1/2	1/2	80	160	1/2	16
HR 9/16	9/16	90	170	9/16	18
HR 5/8	5/8	95	185	5/8	19
HR 11/16	11/16	105	200	11/16	21
HR 3/4	3/4	105	210	3/4	21
HR 7/8	7/8	130	250	7/8	25
HR 1"	1"	140	270	1"	25

ハンドリーマ 刃径公差 m5

Diameter	Tolerance
0.5 ~ 0.3	+0.002 ~ +0.006
3.1 ~ 6.0	+0.004 ~ +0.009
6.1 ~ 10.0	+0.006 ~ +0.012
10.1 ~ 18.0	+0.007 ~ +0.015
18.1 ~ 30.0	+0.008 ~ +0.017
30.5 ~ 40.0	+0.009 ~ +0.020
Diameter	Tolerance
0.01 mmトビ	0 ~ +0.005

แสดรีมเมอร์ยาว
LONG HAND REAMER



■ MAT : HSS

(0.1mm)

Order No.	Diameter	Flute Length	Overall Length	Shank Diameter	No. Flute
	D	ℓ	L	d	N
LHR 1.0	1.0	50	100	2	4
LHR 1.1	1.1	50	100	2	4
LHR 1.2	1.2	50	100	2	4
LHR 1.3	1.3	50	100	2	4
LHR 1.4	1.4	50	100	2	4
LHR 1.5	1.5	60	100	3	4
LHR 1.6	1.6	60	100	3	4
LHR 1.7	1.7	60	100	3	4
LHR 1.8	1.8	60	100	3	4
LHR 1.9	1.9	60	100	3	4
LHR 2.0	2.0	60	100	3	4
LHR 2.01	2.01	60	100	3	4
LHR 2.02	2.02	60	100	3	4
LHR 2.03	2.03	60	100	3	4
LHR 2.04	2.04	60	100	3	4
LHR 2.05	2.05	60	100	3	4
LHR 2.1	2.1	60	100	3	4
LHR 2.2	2.2	60	100	3	4
LHR 2.3	2.3	60	100	3	4
LHR 2.4	2.4	60	100	3	4
LHR 2.5	2.5	60	100	3	4
LHR 2.6	2.6	60	100	3	4
LHR 2.7	2.7	60	100	3	4
LHR 2.8	2.8	60	100	3	4
LHR 2.9	2.9	60	100	3	4
LHR 2.95	2.95	60	100	3	4
LHR 2.96	2.96	60	100	3	4
LHR 2.97	2.97	60	100	3	4
LHR 2.98	2.98	60	100	3	4
LHR 2.99	2.99	60	100	3	4
LHR 3.0	3.0	60	100	3	6
LHR 3.01	3.01	60	100	※	6
LHR 3.02	3.02	60	100	※	6
LHR 3.03	3.03	60	100	※	6
LHR 3.04	3.04	60	100	※	6
LHR 3.05	3.05	60	100	※	6
LHR 3.1	3.1	60	100	※	6
LHR 3.2	3.2	60	100	※	6
LHR 3.3	3.3	60	100	※	6
LHR 3.4	3.4	60	100	※	6
LHR 3.5	3.5	60	100	※	6
LHR 3.6	3.6	80	120	※	6
LHR 3.7	3.7	80	120	※	6
LHR 3.8	3.8	80	120	※	6
LHR 3.9	3.9	80	120	※	6
LHR 3.95	3.95	80	120	※	6
LHR 3.96	3.96	80	120	※	6
LHR 3.97	3.97	80	120	※	6
LHR 3.98	3.98	80	120	※	6
LHR 3.99	3.99	80	120	※	6
LHR 4.00	4.0	60	100	※	6
LHR 4.01	4.01	80	120	※	6
LHR 4.02	4.02	80	120	※	6
LHR 4.03	4.03	80	120	※	6
LHR 4.04	4.04	80	120	※	6
LHR 4.05	4.05	80	120	※	6
LHR 4.0	4.0	80	120	※	6

Order No.	Diameter	Flute Length	Overall Length	Shank Diameter	No. Flute
	D	ℓ	L	d	N
LHR 4.1	4.1	80	120	※	6
LHR 4.2	4.2	80	120	※	6
LHR 4.3	4.3	80	120	※	6
LHR 4.4	4.4	80	120	※	6
LHR 4.5	4.5	80	120	※	6
LHR 4.6	4.6	80	120	※	6
LHR 4.7	4.7	80	120	※	6
LHR 4.8	4.8	80	120	※	6
LHR 4.9	4.9	80	120	※	6
LHR 4.95	4.95	100	140	※	6
LHR 4.96	4.96	100	140	※	6
LHR 4.97	4.97	100	140	※	6
LHR 4.98	4.98	100	140	※	6
LHR 4.99	4.99	100	140	※	6
LHR 5.0	5.0	100	160	※	6
LHR 5.01	5.01	100	140	※	6
LHR 5.02	5.02	100	140	※	6
LHR 5.03	5.03	100	140	※	6
LHR 5.04	5.04	100	140	※	6
LHR 5.05	5.05	100	140	※	6
LHR 5.0	5.0	100	140	※	6
LHR 5.1	5.1	100	140	※	6
LHR 5.2	5.2	100	140	※	6
LHR 5.3	5.3	100	140	※	6
LHR 5.4	5.4	100	140	※	6
LHR 5.5	5.5	100	150	※	6
LHR 5.6	5.6	100	150	※	6
LHR 5.7	5.7	100	150	※	6
LHR 5.8	5.8	100	150	※	6
LHR 5.9	5.9	100	150	※	6
LHR 5.95	5.95	100	150	※	6
LHR 5.96	5.96	100	150	※	6
LHR 5.97	5.97	100	150	※	6
LHR 5.98	5.98	100	150	※	6
LHR 5.99	5.99	100	150	※	6
LHR 6.00	6.0	100	150	※	6
LHR 6.01	6.01	100	150	※	6
LHR 6.02	6.02	100	150	※	6
LHR 6.03	6.03	100	150	※	6
LHR 6.04	6.04	100	150	※	6
LHR 6.05	6.05	100	150	※	6
LHR 6.0	6.0	120	160	※	6
LHR 6.0	6.0	150	200	※	6
LHR 6.1	6.1	100	150	※	6
LHR 6.2	6.2	100	150	※	6
LHR 6.3	6.3	100	150	※	6
LHR 6.4	6.4	100	150	※	6
LHR 6.5	6.5	120	160	※	6
LHR 6.6	6.6	150	200	※	6
LHR 6.7	6.7	150	200	※	6
LHR 6.8	6.8	150	200	※	6
LHR 6.9	6.9	150	200	※	6
LHR 7.0	7.0	120	160	※	6
LHR 7.0	7.0	150	200	※	6
LHR 8.0	8.0	150	200	※	6
LHR 8.01	8.01	150	200	※	6

Carbide
คาร์ไบด์

HSS

ไฮสปีด

Spiral Flute

ซอกเกลียว

Straight Flute

ซอกตรง

Helical Flute

ซอกเกลียว

REAMER

รีมเมอร์

 DAIICHI TOOL

Straight Shank
ก้านตรง

Carbide

คาร์ไบด์

HSS

ไฮสปีด

Spiral Flute

ร่องเกลียว

Straight Flute

ร่องตรง

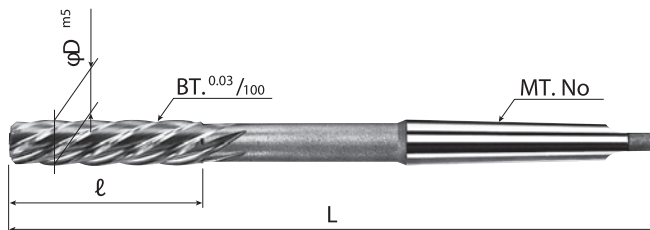
Helical Flute

ร่องเอียง

Order No.	Diameter	Flute Length	Overall Length	Shank Diameter	No. Flute	Order No.	Diameter	Flute Length	Overall Length	Shank Diameter	No. Flute
	D	ℓ	L	d	N		D	ℓ	L	d	N
LHR 8.02	8.02	150	200	※	6	LHR 12.03	12.03	150	200	※	6
LHR 8.03	8.03	150	200	※	6	LHR 12.04	12.04	150	200	※	6
LHR 8.04	8.04	150	200	※	6	LHR 12.05	12.05	150	200	※	6
LHR 8.05	8.05	150	200	※	6	LHR 12.0	12.0	200	250	※	6
LHR 8.0	8.0	200	250	※	6	LHR 13.0	13.0	150	200	※	8
LHR 8.5	8.5	200	250	※	6	LHR 13.0	13.0	200	250	※	8
LHR 9.0	9.0	150	200	※	6	LHR 14.0	14.0	150	200	※	8
LHR 9.0	9.0	200	250	※	6	LHR 14.0	14.0	200	250	※	8
LHR 9.5	9.5	150	200	※	6	LHR 15.0	15.0	150	200	※	8
LHR 9.5	9.5	200	250	※	6	LHR 15.0	15.0	200	250	※	8
LHR 9.95	9.95	150	200	※	6	LHR 15.0	15.0	250	300	※	8
LHR 9.96	9.96	150	200	※	6	LHR 16.0	16.0	150	200	※	8
LHR 9.97	9.97	150	200	※	6	LHR 16.0	16.0	200	250	※	8
LHR 9.98	9.98	150	200	※	6	LHR 16.0	16.0	250	300	※	8
LHR 9.99	9.99	150	200	※	6	LHR 17.0	17.0	150	200	※	8
LHR 10.0	10.0	150	200	※	6	LHR 17.0	17.0	200	250	※	8
LHR 10.01	10.01	150	200	※	6	LHR 17.0	17.0	250	300	※	8
LHR 10.02	10.02	150	200	※	6	LHR 18.0	18.0	150	200	※	8
LHR 10.03	10.03	150	200	※	6	LHR 18.0	18.0	200	250	※	8
LHR 10.04	10.04	150	200	※	6	LHR 18.0	18.0	250	300	※	8
LHR 10.05	10.05	150	200	※	6	LHR 19.0	19.0	150	200	※	8
LHR 10.0	10.0	200	250	※	6	LHR 19.0	19.0	200	250	※	8
LHR 10.5	10.5	200	250	※	6	LHR 19.0	19.0	250	300	※	8
LHR 11.0	11.0	150	200	※	6	LHR 20.0	20.0	150	200	※	8
LHR 11.0	11.0	200	250	※	6	LHR 20.0	20.0	200	250	※	8
LHR 12.0	12.0	150	200	※	6	LHR 20.0	20.0	250	300	※	8
LHR 12.01	12.01	150	200	※	6						
LHR 12.02	12.02	150	200	※	6						

สปีดรีมเมอร์ก้านตเปออร์

SPEED REAMER WITH MORSE TAPER SHANK



※ Double chamfer 45° and 1° 30'
※ Left helix 30°



- High speed spindle and high feed is possible
- Special surface treatment
- Uses MCO material (Cobalt high-speed steel)

Order No.	Size				
	Diameter	Shank No.	Flute Length	Overall Length	Number of teeth
	D	d	l ₁	L	NT
SSRT100	10.0	MT1	45	165	6
SSRT101	10.1	MT1	45	170	6
SSRT102	10.2	MT1	45	170	6
SSRT103	10.3	MT1	45	170	6
SSRT104	10.4	MT1	45	170	6
SSRT105	10.5	MT1	45	170	6
SSRT106	10.6	MT1	45	170	6
SSRT107	10.7	MT1	45	170	6
SSRT108	10.8	MT1	45	170	6
SSRT109	10.9	MT1	45	170	6
SSRT110	11.0	MT1	45	170	6
SSRT111	11.1	MT1	50	170	6
SSRT112	11.2	MT1	50	170	6
SSRT113	11.3	MT1	50	170	6
SSRT114	11.4	MT1	50	170	6
SSRT115	11.5	MT1	50	170	6
SSRT116	11.6	MT1	50	170	6
SSRT117	11.7	MT1	50	170	6
SSRT118	11.8	MT1	50	170	6
SSRT119	11.9	MT1	50	170	6
SSRT120	12.0	MT1	50	170	6
SSRT121	12.1	MT1	50	180	6
SSRT122	12.2	MT1	50	180	6
SSRT123	12.3	MT1	50	180	6
SSRT124	12.4	MT1	50	180	6
SSRT125	12.5	MT1	50	180	6
SSRT126	12.6	MT1	50	180	6
SSRT127	12.7	MT1	50	180	6
SSRT128	12.8	MT1	50	180	6
SSRT129	12.9	MT1	50	180	6
SSRT130	13.0	MT1	50	180	6
SSRT131	13.1	MT1	50	180	6
SSRT132	13.2	MT1	50	180	6
SSRT133	13.3	MT1	50	180	6
SSRT134	13.4	MT1	50	180	6
SSRT135	13.5	MT1	50	180	6
SSRT136	13.6	MT1	50	180	6
SSRT137	13.7	MT1	50	180	6
SSRT138	13.8	MT1	50	180	6
SSRT139	13.9	MT1	50	180	6
SSRT140	14.0	MT1	50	180	6
SSRT141	14.1	MT2	60	200	6
SSRT142	14.2	MT2	60	200	6
SSRT143	14.3	MT2	60	200	6
SSRT144	14.4	MT2	60	200	6
SSRT145	14.5	MT2	60	200	6
SSRT146	14.6	MT2	60	200	6
SSRT147	14.7	MT2	60	200	6
SSRT148	14.8	MT2	60	200	6

Order No.	Size				
	Diameter	Shank No.	Flute Length	Overall Length	Number of teeth
	D	d	l ₁	L	NT
SSRT149	14.9	MT2	60	200	6
SSRT150	15.0	MT2	60	200	6
SSRT151	15.1	MT2	60	205	6
SSRT152	15.2	MT2	60	205	6
SSRT153	15.3	MT2	60	205	6
SSRT154	15.4	MT2	60	205	6
SSRT155	15.5	MT2	60	205	6
SSRT156	15.6	MT2	60	205	6
SSRT157	15.7	MT2	60	205	6
SSRT158	15.8	MT2	60	205	6
SSRT159	15.9	MT2	60	205	6
SSRT160	16.0	MT2	60	205	6
SSRT161	16.1	MT2	60	205	6
SSRT162	16.2	MT2	60	205	6
SSRT163	16.3	MT2	60	205	6
SSRT164	16.4	MT2	60	205	6
SSRT165	16.5	MT2	60	205	6
SSRT166	16.6	MT2	60	205	6
SSRT167	16.7	MT2	60	205	6
SSRT168	16.8	MT2	60	205	6
SSRT169	16.9	MT2	60	205	6
SSRT170	17.0	MT2	60	205	6
SSRT171	17.1	MT2	65	210	6
SSRT172	17.2	MT2	65	210	6
SSRT173	17.3	MT2	65	210	6
SSRT174	17.4	MT2	65	210	6
SSRT175	17.5	MT2	65	210	6
SSRT176	17.6	MT2	65	210	6
SSRT177	17.7	MT2	65	210	6
SSRT178	17.8	MT2	65	210	6
SSRT179	17.9	MT2	65	210	6
SSRT180	18.0	MT2	65	210	6
SSRT181	18.1	MT2	65	210	6
SSRT182	18.2	MT2	65	210	6
SSRT183	18.3	MT2	65	210	6
SSRT184	18.4	MT2	65	210	6
SSRT185	18.5	MT2	65	210	6
SSRT186	18.6	MT2	65	210	6
SSRT187	18.7	MT2	65	210	6
SSRT188	18.8	MT2	65	210	6
SSRT189	18.9	MT2	65	210	6
SSRT190	19.0	MT2	65	210	6
SSRT191	19.1	MT2	70	220	6
SSRT192	19.2	MT2	70	220	6
SSRT193	19.3	MT2	70	220	6
SSRT194	19.4	MT2	70	220	6
SSRT195	19.5	MT2	70	220	6
SSRT196	19.6	MT2	70	220	6
SSRT197	19.7	MT2	70	220	6

- Carbide
- คาร์ไบด์
- HSS
- ไฮสปีด
- Spiral Flute
- ซอญซ้าย
- Straight Flute
- ซอญตรง
- Helical Flute
- ซอญขลิบ

REAMER

รีมเมอร์



Taper Shank
ก้านตลับปอร์

Carbide

คาร์ไบด์

HSS

ไฮสปีด

Spiral Flute

ร่องเกลียว

Straight Flute

ร่องตรง

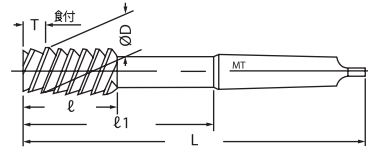
Helical Flute

ร่องเอียง

Order No.	Size				
	Diameter	Shank No.	Flute Length	Overall Length	Number of teeth
	D	d	ℓ1	L	NT
SSRT198	19.8	MT2	70	220	6
SSRT199	19.9	MT2	70	220	6
SSRT200	20.0	MT2	70	220	6
SSRT201	20.1	MT2	70	225	8
SSRT202	20.2	MT2	70	225	8
SSRT203	20.3	MT2	70	225	8
SSRT204	20.4	MT2	70	225	8
SSRT205	20.5	MT2	70	225	8
SSRT206	20.6	MT2	70	230	8
SSRT207	20.7	MT2	70	230	8
SSRT208	20.8	MT2	70	230	8
SSRT209	20.9	MT2	70	230	8
SSRT210	21.0	MT2	70	230	8
SSRT211	21.1	MT2	70	230	8
SSRT212	21.2	MT2	70	230	8
SSRT213	21.3	MT2	70	230	8
SSRT214	21.4	MT2	70	230	8
SSRT215	21.5	MT2	70	230	8
SSRT216	21.6	MT2	70	230	8
SSRT217	21.7	MT2	70	230	8
SSRT218	21.8	MT2	70	230	8
SSRT219	21.9	MT2	70	230	8
SSRT220	22.0	MT2	70	230	8
SSRT221	22.1	MT2	70	230	8
SSRT222	22.2	MT2	70	230	8
SSRT223	22.3	MT2	70	230	8
SSRT224	22.4	MT2	70	230	8
SSRT225	22.5	MT2	70	230	8
SSRT230	23.0	MT2	70	230	8
SSRT235	23.5	MT3	75	240	8
SSRT240	24.0	MT3	75	250	8
SSRT245	24.5	MT3	75	250	8

Order No.	Size				
	Diameter	Shank No.	Flute Length	Overall Length	Number of teeth
	D	d	ℓ1	L	NT
SSRT250	25.0	MT3	75	255	8
SSRT255	25.5	MT3	75	255	8
SSRT260	26.0	MT3	75	255	8
SSRT265	26.5	MT3	75	255	8
SSRT270	27.0	MT3	75	255	8
SSRT275	27.5	MT3	80	260	8
SSRT280	28.0	MT3	80	260	8
SSRT285	28.5	MT3	80	260	8
SSRT290	29.0	MT3	80	260	8
SSRT295	29.5	MT3	80	260	8
SSRT300	30.0	MT3	80	260	8
SSRT310	31.0	MT3	80	260	8
SSRT320	32.0	MT3	90	280	8
SSRT330	33.0	MT4	90	325	10
SSRT340	34.0	MT4	90	325	10
SSRT350	35.0	MT4	90	330	10
SSRT360	36.0	MT4	90	330	10
SSRT370	37.0	MT4	95	330	10
SSRT380	38.0	MT4	95	330	10
SSRT390	39.0	MT4	95	330	10
SSRT400	40.0	MT4	95	330	10
SSRT410	41.0	MT4	95	330	10
SSRT420	42.0	MT4	95	335	10
SSRT430	43.0	MT4	95	335	10
SSRT440	44.0	MT4	95	335	10
SSRT450	45.0	MT4	95	340	10
SSRT460	46.0	MT4	95	340	10
SSRT470	47.0	MT4	95	340	10
SSRT480	48.0	MT4	100	350	10
SSRT490	49.0	MT5	105	385	10
SSRT500	50.0	MT5	105	385	10

รีมเมอร์มุมเลื่อยสูง ก้านตลับเปอร์
HELIX REAMERS WITH MT SHANK



■ MAT : HSS-Co

(0.1mm)

Order No.	Diameter D	Flute Lenght ℓ	Under Neck Lenght ℓ1	Overall Lenght L	Chamfer T	Shank No. d
HLXT4.0	4.0	22	44	110	5	MT1
HLXT4.1	4.1	22	44	110	6	MT1
HLXT4.2	4.2	22	44	110	6	MT1
HLXT4.3	4.3	22	44	110	6	MT1
HLXT4.4	4.4	22	44	110	6	MT1
HLXT4.5	4.5	25	49	115	6	MT1
HLXT4.6	4.6	25	49	115	6	MT1
HLXT4.7	4.7	25	49	115	6	MT1
HLXT4.8	4.8	25	49	115	6	MT1
HLXT4.9	4.9	25	49	115	6	MT1
HLXT5.0	5.0	25	49	115	6	MT1
HLXT5.1	5.1	30	59	125	6	MT1
HLXT5.2	5.2	30	59	125	6	MT1
HLXT5.3	5.3	30	59	125	6	MT1
HLXT5.4	5.4	30	59	125	6	MT1
HLXT5.5	5.5	30	59	125	6	MT1
HLXT5.6	5.6	30	59	125	6	MT1
HLXT5.7	5.7	30	59	125	7	MT1
HLXT5.8	5.8	30	59	125	7	MT1
HLXT5.9	5.9	30	59	125	7	MT1
HLXT6.0	6.0	30	59	125	7	MT1
HLXT6.1	6.1	30	69	135	7	MT1
HLXT6.2	6.2	30	69	135	7	MT1
HLXT6.3	6.3	30	69	135	7	MT1
HLXT6.4	6.4	30	69	135	7	MT1
HLXT6.5	6.5	30	69	135	7	MT1
HLXT6.6	6.6	30	69	135	7	MT1
HLXT6.7	6.7	30	69	135	7	MT1
HLXT6.8	6.8	30	69	135	7	MT1
HLXT6.9	6.9	30	69	135	7	MT1
HLXT7.0	7.0	30	69	135	8	MT1
HLXT7.1	7.1	35	82	148	8	MT1
HLXT7.2	7.2	35	82	148	8	MT1
HLXT7.3	7.3	35	82	148	8	MT1
HLXT7.4	7.4	35	82	148	8	MT1
HLXT7.5	7.5	35	82	148	8	MT1
HLXT7.6	7.6	35	82	148	8	MT1
HLXT7.7	7.7	35	82	148	8	MT1
HLXT7.8	7.8	35	82	148	8	MT1
HLXT7.9	7.9	35	82	148	8	MT1
HLXT8.0	8.0	35	82	148	8	MT1
HLXT8.1	8.1	40	99	165	8	MT1
HLXT8.2	8.2	40	99	165	8	MT1
HLXT8.3	8.3	40	99	165	8	MT1
HLXT8.4	8.4	40	99	165	8	MT1
HLXT8.5	8.5	40	99	165	8	MT1
HLXT8.6	8.6	40	99	165	8	MT1
HLXT8.7	8.7	40	99	165	8	MT1
HLXT8.8	8.8	40	99	165	8	MT1
HLXT8.9	8.9	40	99	165	8	MT1
HLXT9.0	9.0	40	99	165	8	MT1
HLXT9.1	9.1	40	99	165	10	MT1
HLXT9.2	9.2	40	99	165	10	MT1
HLXT9.3	9.3	40	99	165	10	MT1
HLXT9.4	9.4	40	99	165	10	MT1

Order No.	Diameter D	Flute Lenght ℓ	Under Neck Lenght ℓ1	Overall Lenght L	Chamfer T	Shank No. d
HLXT9.5	9.5	40	99	165	10	MT1
HLXT9.6	9.6	40	99	165	10	MT1
HLXT9.7	9.7	40	99	165	10	MT1
HLXT9.8	9.8	40	99	165	10	MT1
HLXT9.9	9.9	40	99	165	10	MT1
HLXT10.0	10.0	40	99	165	10	MT1
HLXT10.1	10.1	40	104	170	10	MT1
HLXT10.2	10.2	40	104	170	10	MT1
HLXT10.3	10.3	40	104	170	10	MT1
HLXT10.4	10.4	40	104	170	10	MT1
HLXT10.5	10.5	40	104	170	10	MT1
HLXT10.6	10.6	40	104	170	10	MT1
HLXT10.7	10.7	40	104	170	10	MT1
HLXT10.8	10.8	40	104	170	10	MT1
HLXT10.9	10.9	40	104	170	10	MT1
HLXT11.0	11.0	40	104	170	10	MT1
HLXT11.1	11.1	40	104	170	10	MT1
HLXT11.2	11.2	40	104	170	10	MT1
HLXT11.3	11.3	40	104	170	10	MT1
HLXT11.4	11.4	40	104	170	10	MT1
HLXT11.5	11.5	40	104	170	10	MT1
HLXT11.6	11.6	40	104	170	10	MT1
HLXT11.7	11.7	40	104	170	10	MT1
HLXT11.8	11.8	40	104	170	10	MT1
HLXT11.9	11.9	40	104	170	10	MT1
HLXT12.0	12.0	40	104	170	10	MT1
HLXT12.1	12.1	45	114	180	10	MT1
HLXT12.2	12.2	45	114	180	10	MT1
HLXT12.3	12.3	45	114	180	10	MT1
HLXT12.4	12.4	45	114	180	10	MT1
HLXT12.5	12.5	45	114	180	10	MT1
HLXT12.6	12.6	45	114	180	10	MT1
HLXT12.7	12.7	45	114	180	10	MT1
HLXT12.8	12.8	45	114	180	10	MT1
HLXT12.9	12.9	45	114	180	10	MT1
HLXT13.0	13.0	45	114	180	10	MT1
HLXT 13.1	13.1	45	114	180	10	MT1
HLXT 13.2	13.2	45	114	180	10	MT1
HLXT 13.3	13.3	45	114	180	10	MT1
HLXT 13.4	13.4	45	114	180	10	MT1
HLXT 13.5	13.5	45	114	180	10	MT1
HLXT 13.6	13.6	45	114	180	10	MT1
HLXT 13.4	13.4	45	114	180	10	MT1
HLXT 13.8	13.8	45	114	180	10	MT1
HLXT 13.9	13.9	45	114	180	10	MT1
HLXT 14.0	14.0	45	114	180	10	MT1
HLXT 14.1	14.1	46	120	200	10	MT2
HLXT 14.2	14.2	46	120	200	10	MT2
HLXT 14.3	14.3	46	120	200	10	MT2
HLXT 14.4	14.4	46	120	200	10	MT2
HLXT 14.5	14.5	46	120	200	10	MT2
HLXT 14.6	14.6	46	120	200	10	MT2
HLXT 14.7	14.7	46	120	200	10	MT2
HLXT 14.8	14.8	46	120	200	10	MT2
HLXT 14.9	14.9	46	120	200	10	MT2

Carbide

คาร์ไบด์

HSS

ไฮสปีด

Spiral Flute

ร่องเกลียว

Straight Flute

ร่องตรง

Helical Flute

ร่องเกลียว

REAMER

รีมเมอร์

 DAIICHI TOOL

Taper Shank
ก้านตลับ

Carbide

คาร์ไบด์

HSS

ไฮสปีด

Spiral Flute

ร่องเกลียว

Straight Flute

ร่องตรง

Helical Flute

ร่องเอียง

Order No.	Diameter	Flute Length	Under Neck Length	Overall Length	Chamfer	Shank No.
	D	ℓ	ℓ ₁	L	T	d
HLXT 15.0	15.0	46	120	200	10	MT2
HLXT 15.1	15.1	47	125	205	10	MT2
HLXT 15.2	15.2	47	125	205	10	MT2
HLXT 15.3	15.3	47	125	205	10	MT2
HLXT 15.4	15.4	47	125	205	10	MT2
HLXT 15.5	15.5	47	125	205	10.5	MT2
HLXT 15.6	15.6	47	125	205	10.5	MT2
HLXT 15.7	15.7	47	125	205	10.5	MT2
HLXT 15.8	15.8	47	125	205	10.5	MT2
HLXT 15.9	15.9	47	125	205	10.5	MT2
HLXT 16.0	16.0	47	125	205	10.5	MT2
HLXT 16.1	16.1	47	125	205	10.5	MT2
HLXT 16.2	16.2	47	125	205	10.5	MT2
HLXT 16.3	16.3	47	125	205	10.5	MT2
HLXT 16.4	16.4	47	125	205	10.5	MT2
HLXT 16.5	16.5	47	125	205	10.5	MT2
HLXT 16.6	16.6	47	125	205	10.5	MT2
HLXT 16.7	16.7	47	125	205	10.5	MT2
HLXT 16.8	16.8	47	125	205	10.5	MT2
HLXT 16.9	16.9	47	125	205	10.5	MT2
HLXT 17.0	17.0	47	125	205	10.5	MT2
HLXT 17.1	17.1	50	130	210	10.5	MT2
HLXT 17.2	17.2	50	130	210	10.5	MT2
HLXT 17.3	17.3	50	130	210	10.5	MT2
HLXT 17.4	17.4	50	130	210	10.5	MT2
HLXT 17.5	17.5	50	130	210	10.5	MT2
HLXT 17.6	17.6	50	130	210	10.5	MT2
HLXT 17.7	17.7	50	130	210	10.5	MT2
HLXT 17.8	17.8	50	130	210	10.5	MT2
HLXT 17.9	17.9	50	130	210	10.5	MT2
HLXT 18.0	18.0	50	130	210	10.5	MT2
HLXT 18.1	18.1	50	130	210	10.5	MT2
HLXT 18.2	18.2	50	130	210	10.5	MT2
HLXT 18.3	18.3	50	130	210	10.5	MT2
HLXT 18.4	18.4	50	130	210	10.5	MT2
HLXT 18.5	18.5	50	130	210	10.5	MT2
HLXT 18.6	18.6	50	130	210	10.5	MT2
HLXT 18.7	18.7	50	130	210	10.5	MT2
HLXT 18.8	18.8	50	130	210	10.5	MT2
HLXT 18.9	18.9	50	130	210	10.5	MT2
HLXT 19.0	19.0	50	130	210	10.5	MT2
HLXT 19.1	19.1	55	140	220	10.5	MT2
HLXT 19.2	19.2	55	140	220	10.5	MT2
HLXT 19.3	19.3	55	140	220	10.5	MT2
HLXT 19.4	19.4	55	140	220	10.5	MT2
HLXT 19.5	19.5	55	140	220	10.5	MT2
HLXT 19.6	19.6	55	140	220	10.5	MT2
HLXT 19.7	19.7	55	140	220	10.5	MT2
HLXT 19.8	19.8	55	140	220	10.5	MT2
HLXT 19.9	19.9	55	140	220	10.5	MT2
HLXT 20.0	20.0	55	140	220	10.5	MT2
HLXT 20.5	20.5	55	140	220	10.5	MT2
HLXT 21.0	21.0	55	150	230	10.5	MT2
HLXT 21.5	21.5	55	150	230	10.5	MT2
HLXT 22.0	22.0	55	150	230	10.5	MT2
HLXT 22.5	22.5	55	150	230	10.5	MT2
HLXT 23.0	23.0	60	160	240	11	MT2
HLXT 23.5	23.5	60	141	240	11	MT3
HLXT 24.0	24.0	60	151	250	11	MT3
HLXT 24.5	24.5	60	151	250	11	MT3
HLXT 25.0	25.0	60	156	255	11	MT3
HLXT 25.6	25.6	60	156	255	11	MT3
HLXT 26.0	26.0	60	156	255	11	MT3
HLXT 26.5	26.5	60	156	255	11	MT3
HLXT 27.0	27.0	60	156	255	11	MT3
HLXT 27.5	27.5	60	161	260	11	MT3
HLXT 28.0	28.0	60	161	260	11	MT3
HLXT 28.5	28.5	60	161	260	11	MT3
HLXT 29.0	29.0	60	161	260	11	MT3

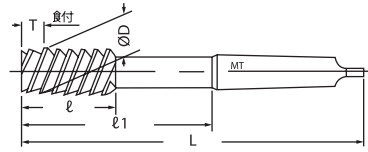
Order No.	Diameter	Flute Length	Under Neck Length	Overall Length	Chamfer	Shank No.
	D	ℓ	ℓ ₁	L	T	d
HLXT 29.5	29.5	60	161	260	11	MT3
HLXT 30.0	30.0	60	161	260	11	MT3
HLXT 31.0	31.0	60	171	270	11	MT3
HLXT 32.0	32.0	63	166	290	13	MT4
HLXT 33.0	33.0	63	166	290	13	MT4
HLXT 34.0	34.0	63	189	310	13	MT4
HLXT 35.0	35.0	63	206	330	13	MT4
HLXT 36.0	36.0	63	206	330	13	MT4
HLXT 37.0	37.0	63	206	330	13	MT4
HLXT 38.0	38.0	63	206	330	13	MT4
HLXT 39.0	39.0	63	206	330	13	MT4
HLXT 40.0	40.0	65	211	335	15	MT4

■ MAT : HSS-Co

(0.01mm)

Order No.	Diameter	Flute Length	Under Neck Length	Overall Length	Chamfer	Shank No.
	D	ℓ	ℓ ₁	L	T	d
HLXT 4.01~4.05	4.01~4.05	22	44	110	5	MT1
HLXT 5.01~5.05	5.01~5.05	25	49	115	6	MT1
HLXT 6.01~6.05	6.01~6.05	30	59	125	7	MT1
HLXT 7.01~7.05	7.01~7.05	30	69	135	7	MT1
HLXT 8.01~8.05	8.01~8.05	35	82	148	8	MT1
HLXT 9.01~9.05	9.01~9.05	40	99	165	8	MT1
HLXT10.01~10.05	10.01~10.05	40	99	165	10	MT1
HLXT11.01~11.05	11.01~11.05	40	104	170	10	MT1
HLXT12.01~12.05	12.01~12.05	40	104	170	10	MT1
HLXT13.01~13.05	13.01~13.05	45	114	180	10	MT1
HLXT14.01~14.05	14.01~14.05	45	114	180	10	MT1
HLXT15.01~15.05	15.01~15.05	46	120	200	10	MT2
HLXT16.01~16.05	16.01~16.05	47	125	205	10.5	MT2
HLXT17.01~17.05	17.01~17.05	47	125	205	10.5	MT2
HLXT18.01~18.05	18.01~18.05	50	130	210	10.5	MT2
HLXT19.01~19.05	19.01~19.05	50	130	210	10.5	MT2
HLXT20.01~20.05	20.01~20.05	55	140	220	10.5	MT2

รีมเมอร์ยาวพิเศษมุมเลื่อยสูง ก้านตเปเปอร์
LONG HELIX REAMERS WITH MT SHANK



■ MAT : HSS-Co

Order No.	Diameter	Flute Length	Under Neck Length	Overall Length	Shank Length	Shank No.
	D	ℓ	ℓ1	L	ℓ2	d
HLXTL14.0-184	14.0	10	45	184	250	MT1
HLXTL14.0-284	14.0	10	45	284	350	MT1
HLXTL14.5-200	14.5	10	45	200	280	MT2
HLXTL14.5-300	14.5	10	45	300	380	MT2
HLXTL15.0-200	15.0	10	45	200	280	MT2
HLXTL15.0-300	15.0	10	45	300	380	MT2
HLXTL15.5-220	15.5	10	45	220	300	MT2
HLXTL15.5-320	15.5	10	45	320	400	MT2
HLXTL16.0-170	16.0	10.5	45	170	250	MT2
HLXTL16.0-220	16.0	10.5	45	220	300	MT2
HLXTL16.0-320	16.0	10.5	45	320	400	MT2
HLXTL16.5-220	16.5	10.5	45	220	300	MT2
HLXTL16.5-320	16.5	10.5	45	320	400	MT2
HLXTL17.0-170	17.0	10.5	45	170	250	MT2
HLXTL17.0-220	17.0	10.5	45	220	300	MT2
HLXTL17.0-320	17.0	10.5	45	320	400	MT2
HLXTL17.5-220	17.5	10.5	50	220	300	MT2
HLXTL17.5-320	17.5	10.5	50	320	400	MT2
HLXTL18.0-220	18.0	10.5	50	220	300	MT2

Order No.	Diameter	Flute Length	Under Neck Length	Overall Length	Shank Length	Shank No.
	D	ℓ	ℓ1	L	ℓ2	d
HLXTL18.0-320	18.0	10.5	50	320	400	MT2
HLXTL18.5-320	18.5	10.5	50	220	300	MT2
HLXTL18.5-320	18.5	10.5	50	320	400	MT2
HLXTL19.0-220	19.0	10.5	50	220	300	MT2
HLXTL19.0-320	19.0	10.5	50	320	400	MT2
HLXTL19.5-220	19.5	10.5	55	220	300	MT2
HLXTL19.5-320	19.5	10.5	55	320	400	MT2
HLXTL20.0-220	20.0	10.5	55	220	300	MT2
HLXTL20.0-320	20.0	10.5	55	320	400	MT2
HLXTL21.0	21.0	10.5	55	320	400	MT2
HLXTL22.0	22.0	10.5	55	320	400	MT2
HLXTL23.0	23.0	11	60	320	400	MT2
HLXTL24.0	24.0	11	60	351	450	MT3
HLXTL25.0	25.0	11	60	351	450	MT3
HLXTL26.0	26.0	11	60	351	450	MT3
HLXTL27.0	27.0	11	60	351	450	MT3
HLXTL28.0	28.0	11	60	351	450	MT3
HLXTL29.0	29.0	11	60	351	450	MT3
HLXTL30.0	30.0	11	60	351	450	MT3

Carbide
คาร์ไบด์

HSS
ไฮสปีด

Spiral Flute
ร่องเลื่อย

Straight Flute
ร่องตรง

Helical Flute
ร่องเกลียว



REAMER

รีมเมอร์



DAIICHI TOOL

แม่ขานรีมเมอร์

MACHINE REAMERS

Taper Shank
ก้านตลับ

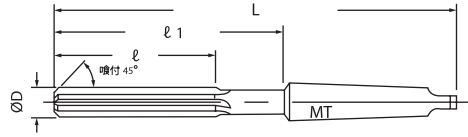
Carbide
คาร์ไบด์

HSS
ไฮสปีด

Spiral Flute
ร่องเกลียว

Straight Flute
ร่องตรง

Helical Flute
ร่องเอียง



■ MAT : HSS-Co

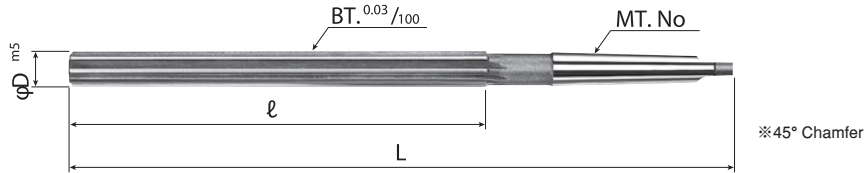
(0.1mm)

Order No.	Diameter	Flute Length	Overall Length	Under Neck Length	Shank No.	Order No.	Diameter	Flute Length	Overall Length	Under Neck Length	Shank No.
	D	ℓ	L	ℓ1	d		D	ℓ	L	ℓ1	d
MR4.0	4.0	35	110	44	MT1	MR15.0	15.0	90	210	130	MT2
MR4.5	4.5	45	120	54	MT1	MR16.0	16.0	95	215	130	MT2
MR5.0	5.0	45	120	54	MT1	MR17.0	17.0	100	220	140	MT2
MR5.5	5.5	45	120	54	MT1	MR18.0	18.0	105	225	145	MT2
MR6.0	6.0	50	130	64	MT1	MR19.0	19.0	105	225	145	MT2
MR6.5	6.5	50	130	64	MT1	MR20.0	20.0	110	230	150	MT2
MR7.0	7.0	55	140	74	MT1	MR21.0	21.0	120	240	160	MT2
MR7.5	7.5	55	140	74	MT1	MR22.0	22.0	120	240	160	MT2
MR8.0	8.0	60	150	84	MT1	MR23.0	23.0	130	250	170	MT2
MR8.5	8.5	60	150	84	MT1	MR24.0	24.0	130	270	171	MT3
MR9.0	9.0	70	160	94	MT1	MR25.0	25.0	130	270	171	MT3
MR9.5	9.5	70	160	94	MT1	MR26.0	26.0	140	280	181	MT3
MR10.0	10.0	70	160	94	MT1	MR28.0	28.0	140	280	181	MT3
MR10.5	10.5	70	160	94	MT1	MR30.0	30.0	150	290	191	MT3
MR11.0	11.0	75	170	104	MT1	MR32.0	32.0	160	300	201	MT3
MR11.5	11.5	75	170	104	MT1	MR34.0	34.0	160	325	201	MT4
MR12.0	12.0	75	170	104	MT1	MR35.0	35.0	165	330	206	MT4
MR12.5	12.5	80	180	114	MT1	MR36.0	36.0	165	330	206	MT4
MR13.0	13.0	80	180	114	MT1	MR38.0	38.0	165	330	206	MT4
MR14.0	14.0	85	190	124	MT1	MR40.0	40.0	165	330	206	MT4

JSR

แม่ขี้นรีมเมอร์ยาว

LONG MACHINE REAMERS



- Wide variety of flute lengths
- Ideal for deep hole work
- Uses MCO material (Cobalt high-speed steel)

Carbide

คาร์ไบด์

HSS

ไฮสปีด

Spiral Flute

ขี้ผึ้ง

Straight Flute

ขี้ตรง

Helical Flute

ขี้เกลียว

Flute length 150mm

Order No.	Diameter	Shank No.	Size		
			Flute Length	Overall Length	Number of teeth
	D		ℓ	L	NT
LMR150x050	5.0	MT1	150	240	6
LMR150x055	5.5	MT1	150	240	6
LMR150x060	6.0	MT1	150	240	6
LMR150x065	6.5	MT1	150	240	6
LMR150x070	7.0	MT1	150	240	6
LMR150x075	7.5	MT1	150	240	6
LMR150x080	8.0	MT1	150	240	6
LMR150x085	8.5	MT1	150	240	6
LMR150x090	9.0	MT1	150	240	6
LMR150x095	9.5	MT1	150	240	6
LMR150x100	10.0	MT1	150	240	6
LMR150x105	10.5	MT1	150	240	6
LMR150x110	11.0	MT1	150	240	6
LMR150x115	11.5	MT1	150	240	6
LMR150x120	12.0	MT1	150	240	6
LMR150x125	12.5	MT1	150	240	6
LMR150x130	13.0	MT1	150	240	8
LMR150x135	13.5	MT1	150	240	8
LMR150x140	14.0	MT1	150	240	8
LMR150x145	14.5	MT2	150	280	8
LMR150x150	15.0	MT2	150	280	8
LMR150x155	15.5	MT2	150	280	8
LMR150x160	16.0	MT2	150	280	8

Flute length 200mm

Order No.	Diameter	Shank No.	Size		
			Flute Length	Overall Length	Number of teeth
	D		ℓ	L	NT
LMR200x080	8.0	MT1	200	290	6
LMR200x085	8.5	MT1	200	290	6
LMR200x090	9.0	MT1	200	290	6
LMR200x095	9.5	MT1	200	290	6
LMR200x100	10.0	MT1	200	290	6
LMR200x105	10.5	MT1	200	290	6
LMR200v110	11.0	MT1	200	290	6
LMR200x115	11.5	MT1	200	290	6
LMR200x120	12.0	MT1	200	290	6
LMR200x125	12.5	MT1	200	290	6
LMR200x130	13.0	MT1	200	290	8
LMR200x135	13.5	MT1	200	290	8
LMR200x140	14.0	MT1	200	290	8
LMR200x145	14.5	MT2	200	330	8
LMR200x150	15.0	MT2	200	330	8
LMR200x155	15.5	MT2	200	330	8
LMR200x160	16.0	MT2	200	330	8
LMR200x165	16.5	MT2	200	330	8
LMR200x170	17.0	MT2	200	330	8
LMR200x175	17.5	MT2	200	330	8
LMR200x180	18.0	MT2	200	330	8
LMR200x185	18.5	MT2	200	330	8
LMR200x190	19.0	MT2	200	330	8
LMR200x195	19.5	MT2	200	330	8
LMR200x200	20.0	MT2	200	330	8
LMR200x205	20.5	MT2	200	330	8
LMR200x210	21.0	MT2	200	330	8
LMR200x215	21.5	MT2	200	330	8
LMR200x220	22.0	MT2	200	330	8
LMR200x225	22.5	MT2	200	330	8
LMR200x230	23.0	MT2	200	330	8
LMR200x235	23.5	MT3	200	349	8
LMR200x240	24.0	MT3	200	349	8
LMR200x245	24.5	MT3	200	349	8
LMR200x250	25.0	MT3	200	349	8
LMR200x260	26.0	MT3	200	349	10
LMR200x270	27.0	MT3	200	349	10
LMR200x280	28.0	MT3	200	349	10
LMR200x290	29.0	MT3	200	349	10
LMR200x300	30.0	MT3	200	349	10

REAMER

รีมเมอร์



Taper Shank
ก้านตลับ

Flute length 250mm

Order No.	Size				
	Diameter	Shank No.	Flute Length	Overall Length	Number of teeth
	D		ℓ	L	NT
LMR250x100	10.0	MT1	250	340	6
LMR250x110	11.0	MT1	250	340	6
LMR250x120	12.0	MT1	250	340	6
LMR250x130	13.0	MT1	250	340	8
LMR250x140	14.0	MT1	250	340	8
LMR250x145	14.5	MT2	250	380	8
LMR250x150	15.0	MT2	250	380	8
LMR250x155	15.5	MT2	250	380	8
LMR250x160	16.0	MT2	250	380	8
LMR250x165	16.5	MT2	250	380	8
LMR250x170	17.0	MT2	250	380	8
LMR250x175	17.5	MT2	250	380	8
LMR250x180	18.0	MT2	250	380	8
LMR250x185	18.5	MT2	250	380	8
LMR250x190	19.0	MT2	250	380	8
LMR250x195	19.5	MT2	250	380	8
LMR250x200	20.0	MT2	250	380	8
LMR250x205	20.5	MT2	250	380	8
LMR250x210	21.0	MT2	250	380	8
LMR250x215	21.5	MT2	250	380	8
LMR250x220	22.0	MT2	250	380	8
LMR250x225	22.5	MT2	250	380	8
LMR250x230	23.0	MT2	250	380	8
LMR250x235	23.5	MT3	250	399	8
LMR250x240	24.0	MT3	250	399	8
LMR250x245	24.5	MT3	250	399	8
LMR250x250	25.0	MT3	250	399	8
LMR250x260	26.0	MT3	250	399	10
LMR250x270	27.0	MT3	250	399	10
LMR250x280	28.0	MT3	250	399	10
LMR250x290	29.0	MT3	250	399	10
LMR250x300	30.0	MT3	250	399	10
LMR250x310	31.0	MT3	250	399	10
LMR250x320	32.0	MT3	250	399	10
LMR250x330	33.0	MT4	250	424	10
LMR250x340	34.0	MT4	250	424	10
LMR250x350	35.0	MT4	250	424	10
LMR250x360	36.0	MT4	250	424	10
LMR250x370	37.0	MT4	250	424	10
LMR250x380	38.0	MT4	250	424	10
LMR250x390	39.0	MT4	250	424	12
LMR250x400	40.0	MT4	250	424	12

Flute length 400mm

Order No.	Size				
	Diameter	Shank No.	Flute Length	Overall Length	Number of teeth
	D		ℓ	L	NT
LMR400x240	24.0	MT3	400	549	8
LMR400x250	25.0	MT3	400	549	8
LMR400x260	26.0	MT3	400	549	10
LMR400x270	27.0	MT3	400	549	10
LMR400x280	28.0	MT3	400	549	10
LMR400x290	29.0	MT3	400	549	10
LMR400x300	30.0	MT3	400	549	10
LMR400x310	31.0	MT3	400	549	10
LMR400x320	32.0	MT3	400	549	10
LMR400x330	33.0	MT4	400	574	10
LMR400x340	34.0	MT4	400	574	10
LMR400x350	35.0	MT4	400	574	10
LMR400x360	36.0	MT4	400	574	10
LMR400x370	37.0	MT4	400	574	10
LMR400x380	38.0	MT4	400	574	10
LMR400x390	39.0	MT4	400	574	12
LMR400x400	40.0	MT4	400	574	12

Flute length 300mm

Order No.	Size				
	Diameter	Shank No.	Flute Length	Overall Length	Number of teeth
	D		ℓ	L	NT
LMR300x120	12.0	MT1	300	390	6
LMR300x130	13.0	MT1	300	390	8
LMR300x140	14.0	MT1	300	390	8
LMR300x150	15.0	MT2	300	430	8
LMR300x155	15.5	MT2	300	430	8
LMR300x160	16.0	MT2	300	430	8
LMR300x165	16.5	MT2	300	430	8
LMR300x170	17.0	MT2	300	430	8
LMR300x175	17.5	MT2	300	430	8
LMR300x180	18.0	MT2	300	430	8
LMR300x185	18.5	MT2	300	430	8
LMR300x190	19.0	MT2	300	430	8
LMR300x195	19.5	MT2	300	430	8
LMR300x200	20.0	MT2	300	430	8
LMR300x205	20.5	MT2	300	430	8
LMR300x210	21.0	MT2	300	430	8
LMR300x215	21.5	MT2	300	430	8
LMR300x220	22.0	MT2	300	430	8
LMR300x225	22.5	MT2	300	430	8
LMR300x230	23.0	MT2	300	430	8
LMR300x235	23.5	MT3	300	449	8
LMR300x240	24.0	MT3	300	449	8
LMR300x245	24.5	MT3	300	449	8
LMR300x250	25.0	MT3	300	449	8
LMR300x260	26.0	MT3	300	449	10
LMR300x270	27.0	MT3	300	449	10
LMR300x280	28.0	MT3	300	449	10
LMR300x290	29.0	MT3	300	449	10
LMR300x300	30.0	MT3	300	449	10
LMR300x310	31.0	MT3	300	449	10
LMR300x320	32.0	MT3	300	449	10
LMR300x330	33.0	MT4	300	474	10
LMR300x340	34.0	MT4	300	474	10
LMR300x350	35.0	MT4	300	474	10
LMR300x360	36.0	MT4	300	474	10
LMR300x370	37.0	MT4	300	474	10
LMR300x380	38.0	MT4	300	474	10
LMR300x390	39.0	MT4	300	474	10
LMR300x400	40.0	MT4	300	474	10

Order No.	Size				
	Diameter	Shank No.	Flute Length	Overall Length	Number of teeth
	D		ℓ	L	NT
LMR400x410	41.0	MT4	400	574	12
LMR400x420	42.0	MT4	400	574	12
LMR400x430	43.0	MT4	400	574	12
LMR400x440	44.0	MT4	400	574	12
LMR400x450	45.0	MT4	400	574	12
LMR400x460	46.0	MT4	400	574	12
LMR400x470	47.0	MT4	400	574	12
LMR400x480	48.0	MT4	400	574	12
LMR400x490	49.0	MT5	400	606	12
LMR400x500	50.0	MT5	400	606	12

RECOMMEND CUTTING CONDITION / RZ REAMER

•RZ-S - HSS-Co

Reamer Diameter	Non-ferrous metal Al, Cu		Carbon Steels FC, FCD, S50C		Alloy Steels SCM, SKD, SUS		リ-ワ取代 (mm/ 直径)
	Cutting Speed 12 ~ 20 m/min		Cutting Speed 8 ~ 12 m/min		Cutting Speed 6 ~ 10 m/min		
	Rotation Speed rpm	送り mm/min	Rotation Speed rpm	送り mm/min	Rotation Speed rpm	送り mm/min	
3	1,273 ~ 2,122	110 ~ 321	849 ~ 1,273	73 ~ 193	637 ~ 1,061	55 ~ 160	0.1
4	955 ~ 1,592	87 ~ 254	637 ~ 955	58 ~ 152	477 ~ 796	44 ~ 127	0.1
6	637 ~ 1,061	64 ~ 187	424 ~ 637	43 ~ 112	318 ~ 531	32 ~ 94	0.1
8	477 ~ 796	53 ~ 154	318 ~ 477	35 ~ 92	239 ~ 398	26 ~ 77	0.1
10	382 ~ 637	46 ~ 134	255 ~ 382	31 ~ 80	191 ~ 318	23 ~ 67	0.15
12	318 ~ 531	41 ~ 120	212 ~ 318	28 ~ 72	159 ~ 265	21 ~ 60	0.15

•CRZ-S - Solid Carbide

Reamer Diameter	Non-ferrous metal Al, Cu		Carbon Steels FC, FCD, S50C		Alloy Steels SCM, SKD, SUS		Prehardned Steels HPM, NAK		リ-ワ取代 (mm/ 直径)
	Cutting Speed 12 ~ 30 m/min		Cutting Speed 12 ~ 16 m/min		Cutting Speed 10 ~ 15 m/min		Cutting Speed 5 ~ 10 m/min		
	Rotation Speed rpm	送り mm/min	Rotation Speed rpm	送り mm/min	Rotation Speed rpm	送り mm/min	Rotation Speed rpm	送り mm/min	
3	1,273 ~ 3,183	100 ~ 418	1,273 ~ 1,698	100 ~ 223	1,061 ~ 1,592	84 ~ 209	531 ~ 1,061	43 ~ 143	0.1
4	955 ~ 2,387	75 ~ 313	955 ~ 1,273	75 ~ 167	796 ~ 1,194	63 ~ 157	398 ~ 796	32 ~ 107	0.1
6	637 ~ 1,592	51 ~ 214	637 ~ 849	51 ~ 114	531 ~ 796	43 ~ 107	265 ~ 531	21 ~ 71	0.1
8	477 ~ 1,194	42 ~ 176	477 ~ 637	42 ~ 94	398 ~ 597	35 ~ 88	199 ~ 398	18 ~ 59	0.1
10	382 ~ 955	37 ~ 153	382 ~ 509	37 ~ 81	318 ~ 477	31 ~ 76	159 ~ 318	15 ~ 51	0.15
12	318 ~ 796	33 ~ 138	318 ~ 424	33 ~ 73	265 ~ 398	28 ~ 69	133 ~ 265	14 ~ 46	0.15

RECOMMEND CUTTING CONDITION / HAND REAMER

•Alloy Steel (Carbon Steel, SS Steels, SC Steels, 快削鋼, etc)

Diameter (Ø D)	Cutting Speed (m / min)	Roatation Speed (r.p.m.)	Feed (mm / rev)	Reamer (mm)
2.0 ≥	3.7 ~ 8.0	600 ~ 800 ~ 1300	0.1 ~ 0.2	0.1 ~ 0.2
3.0	3.1 ~ 9.5	500 ~ 700 ~ 1000	0.1 ~ 0.2	0.1 ~ 0.2
6.0	7.5 ~ 15.0	400 ~ 500 ~ 800	0.1 ~ 0.2	0.15 ~ 0.3
8.0	7.5 ~ 12.5	300 ~ 400 ~ 500	0.1 ~ 0.2	0.2 ~ 0.3
10.0	8.8 ~ 11.0	280 ~ 300 ~ 350	0.2 ~ 0.3	0.25 ~ 0.35
15.0	10.8 ~ 15.0	230 ~ 180 ~ 320	0.2 ~ 0.3	0.25 ~ 0.35
20.0	12.5 ~ 18.8	200 ~ 150 ~ 300	0.3 ~ 0.4	0.25 ~ 0.35
30.0	7.5 ~ 18.8	80 ~ 100 ~ 200	0.3 ~ 0.4	0.25 ~ 0.35
40.0	6.3 ~ 12.5	50 ~ 70 ~ 100	0.3 ~ 0.4	0.25 ~ 0.35

•Special Steel (Alloy Tool Steel, Stainless Steels, nickel Steels, Molybdenum Steels, Chromium Steels, etc.)

Diameter (Ø D)	Cutting Speed (m / min)	Roatation Speed (r.p.m.)	Feed (mm / rev)	Reamer (mm)
2.0 ≥	3.1 ~ 6.3	500 ~ 600 ~ 100	0.1 ~ 0.2	0.07 ~ 0.2
3.0	3.7 ~ 7.5	400 ~ 500 ~ 800	0.1 ~ 0.2	0.1 ~ 0.2
6.0	5.6 ~ 13.0	300 ~ 400 ~ 700	0.1 ~ 0.2	0.1 ~ 0.2
8.0	6.3 ~ 10.0	250 ~ 300 ~ 400	0.1 ~ 0.2	0.2 ~ 0.3
10.0	6.3 ~ 11.0	200 ~ 250 ~ 350	0.15 ~ 0.25	0.2 ~ 0.3
15.0	7.0 ~ 12.0	150 ~ 200 ~ 250	0.15 ~ 0.25	0.2 ~ 0.3
20.0	6.3 ~ 11.3	100 ~ 130 ~ 180	0.2 ~ 0.3	0.2 ~ 0.3
30.0	3.7 ~ 9.4	40 ~ 70 ~ 100	0.25 ~ 0.35	0.2 ~ 0.3
40.0	3.7 ~ 6.3	30 ~ 40 ~ 50	0.25 ~ 0.35	0.2 ~ 0.3

•Nonferrous Steel (Aluminum alloys, Copper, Brass, etc.)

Diameter (Ø D)	Cutting Speed (m/ min)	Roatation Speed (r.p.m.)	Feed (mm / rev)	Reamer (mm)
2.0 ≥	6.2 ~ 22.0	1000 ~ 1500 ~ 3500	0.1 ~ 0.2	0.1 ~ 0.2
3.0	9.4 ~ 28.0	1000 ~ 1500 ~ 3000	0.1 ~ 0.2	0.1 ~ 0.2
6.0	13.2 ~ 47.0	700 ~ 1300 ~ 2500	0.1 ~ 0.2	0.2 ~ 0.3
8.0	12.5 ~ 37.5	500 ~ 100 ~ 1500	0.15 ~ 0.25	0.2 ~ 0.3
10.0	14.0 ~ 31.0	450 ~ 800 ~ 1000	0.25 ~ 0.35	0.2 ~ 0.3
15.0	18.8 ~ 37.7	400 ~ 600 ~ 800	0.25 ~ 0.35	0.2 ~ 0.3
20.0	18.8 ~ 37.7	300 ~ 450 ~ 600	0.25 ~ 0.35	0.2 ~ 0.3
30.0	14.0 ~ 28.0	150 ~ 200 ~ 300	0.3 ~ 0.4	0.2 ~ 0.3
40.0	10.0 ~ 22.6	80 ~ 100 ~ 180	0.4 ~ 0.5	0.2 ~ 0.3

■ RECOMMEND CUTTING CONDITION / HELIX REAMER

•Alloy Steel (Carbon Steel, SS Steels, SC Steels, 快削鋼, etc)

Diameter (Ø D)	Cutting Speed (m/ min)	Roatation Speed (r.p.m.)	Feed (mm / rev)	Reamer (mm)
2.0 ≥	11 ~ 13	1760 ~ 1900 ~ 2100	0.1 ~ 0.2	0.1 ~ 0.2
3.0	17 ~ 20	1760 ~ 1800 ~ 2100	0.1 ~ 0.2	0.2 ~ 0.3
6.0	17 ~ 20	800 ~ 900 ~ 1100	0.1 ~ 0.2	0.2 ~ 0.3
8.0	17 ~ 20	600 ~ 650 ~ 700	0.1 ~ 0.2	0.2 ~ 0.3
10.0	17 ~ 20	480 ~ 520 ~ 600	0.2 ~ 0.3	0.3 ~ 0.4
15.0	15 ~ 18	300 ~ 350 ~ 400	0.2 ~ 0.3	0.3 ~ 0.4
20.0	15 ~ 18	220 ~ 250 ~ 300	0.2 ~ 0.4	0.3 ~ 0.4
30.0	14 ~ 17	150 ~ 170 ~ 200	0.3 ~ 0.4	0.3 ~ 0.4
40.0	13 ~ 16	80 ~ 90 ~ 130	0.3 ~ 0.4	0.3 ~ 0.4

•Special Steel (Alloy Tool Steel, Stainless Steels, nickel Steels, Molybdenum Steels, Chromium Steels, etc.)

Diameter (Ø D)	Cutting Speed (m/ min)	Roatation Speed (r.p.m.)	Feed (mm / rev)	Reamer (mm)
2.0 ≥	8 ~ 6.3	1000 ~ 1100 ~ 1300	0.1 ~ 0.2	0.07 ~ 0.2
3.0	8 ~ 15	1000 ~ 1100 ~ 1300	0.1 ~ 0.2	0.1 ~ 0.2
6.0	8 ~ 15	500 ~ 600 ~ 900	0.1 ~ 0.2	0.1 ~ 0.2
8.0	8 ~ 15	300 ~ 400 ~ 500	0.1 ~ 0.2	0.2 ~ 0.3
10.0	8 ~ 15	280 ~ 300 ~ 450	0.15 ~ 0.25	0.2 ~ 0.3
15.0	7 ~ 12	200 ~ 220 ~ 250	0.15 ~ 0.25	0.2 ~ 0.3
20.0	7 ~ 12	140 ~ 160 ~ 200	0.2 ~ 0.3	0.2 ~ 0.3
30.0	6 ~ 11	60 ~ 80 ~ 120	0.25 ~ 0.35	0.2 ~ 0.3
40.0	5 ~ 8	35 ~ 50 ~ 70	0.25 ~ 0.35	0.2 ~ 0.3

•Nonferrous Steel (Aluminum alloys, Copper, Brass, etc.)

Diameter (Ø D)	Cutting Speed (m/ min)	Roatation Speed (r.p.m.)	Feed (mm / rev)	Reamer (mm)
2.0 ≥	6.2 ~ 22.0	1000 ~ 1500 ~ 3500	0.1 ~ 0.2	0.1 ~ 0.2
3.0	18.0 ~ 28.0	2000 ~ 2500 ~ 3000	0.1 ~ 0.2	0.2 ~ 0.3
6.0	35.0 ~ 45.0	1600 ~ 2000 ~ 3000	0.1 ~ 0.2	0.2 ~ 0.3
8.0	35.0 ~ 45.0	1200 ~ 1500 ~ 2500	0.15 ~ 0.25	0.2 ~ .3
10.0	35.0 ~ 45.0	1000 ~ 1300 ~ 1700	0.25 ~ 0.35	0.25 ~ 0.35
15.0	20.0 ~ 35.0	600 ~ 700 ~ 800	0.25 ~ 0.35	0.3 ~ 0.4
20.0	20.0 ~ 35.0	400 ~ 450 ~ 600	0.25 ~ 0.35	0.3 ~ 0.4
30.0	18.0 ~ 25.0	180 ~ 200 ~ 350	0.3 ~ 0.4	0.3 ~ 0.4
40.0	15.0 ~ 20.0	100 ~ 130 ~ 180	0.4 ~ 0.5	0.3 ~ .4

RECOMMEND CUTTING CONDITION / SUP 30

•Alloy Steel (Carbon Steel, SS Steels, SC Steels, 快削鋼, etc)

Diameter (Ø D)	Cutting Speed (m/ min)	Roatation Speed (r.p.m.)	Feed (mm / rev)	Reamer (mm)
0.5	5.0 ~ 7.0	3100 ~ 3500 ~ 4500	0.15 ~ 0.1	0.08 ~ 0.15
1.0	5.0 ~ 7.0	1600 ~ 1800 ~ 2200	0.15 ~ 0.1	0.1 ~ 0.2
1.5	5.0 ~ 7.0	1000 ~ 1200 ~ 1500	0.07 ~ 0.15	0.1 ~ 0.2
2.0	5.0 ~ 7.0	800 ~ 900 ~ 1100	0.1 ~ 0.2	0.1 ~ 0.2
2.5	5.0 ~ 7.0	630 ~ 750 ~ 900	0.1 ~ 0.2	0.1 ~ 0.2
3.0	5.0 ~ 7.0	530 ~ 650 ~ 740	0.1 ~ 0.2	0.1 ~ 0.2

•Special Steel (Alloy Tool Steel, Stainless Steels, nickel Steels, Molybdenum Steels, Chromium Steels, etc.)

Diameter (Ø D)	Cutting Speed (m/ min)	Roatation Speed (r.p.m.)	Feed (mm / rev)	Reamer (mm)
0.5	3.0 ~ 5.0	1900 ~ 2500 ~ 3100	0.05 ~ 0.1	0.07 ~ 0.15
1.0	3.0 ~ 5.0	950 ~ 1000 ~ 1600	0.05 ~ 0.1	0.1 ~ 0.2
1.5	3.0 ~ 5.0	640 ~ 750 ~ 1000	0.07 ~ 0.15	0.1 ~ 0.2
2.0	3.0 ~ 5.0	480 ~ 600 ~ 800	0.1 ~ 0.2	0.1 ~ 0.2
2.5	3.0 ~ 5.0	380 ~ 450 ~ 630	0.1 ~ 0.2	0.1 ~ 0.2
3.0	3.0 ~ 5.0	320 ~ 400 ~ 530	0.1 ~ 0.2	0.1 ~ 0.2

•Nonferrous Steel (Aluminum alloys, Copper, Brass, etc.)

Diameter (Ø D)	Cutting Speed (m/ min)	Roatation Speed (r.p.m.)	Feed (mm / rev)	Reamer (mm)
0.5	5.0 ~ 10.0	3100 ~ 4000 ~ 6300	0.05 ~ 0.15	0.08 ~ 0.15
1.0	7.0 ~ 10.0	2200 ~ 2500 ~ 3200	0.05 ~ 0.2	0.1 ~ 0.2
1.5	7.0 ~ 10.0	1500 ~ 1800 ~ 2100	0.1 ~ 0.25	0.1 ~ 0.2
2.0	7.0 ~ 10.0	1100 ~ 1300 ~ 1600	0.1 ~ 0.3	0.1 ~ 0.25
2.5	7.0 ~ 10.0	900 ~ 1100 ~ 1300	0.1 ~ 0.3	0.1 ~ 0.25
3.0	7.0 ~ 10.0	740 ~ 850 ~ 1000	0.1 ~ 0.3	0.1 ~ 0.25

RECOMMEND CUTTING CONDITION / CARBIDE REAMER

•Alloy Steel (Carbon Steel, SS Steels, SC Steels, 快削鋼, etc)

Diameter (Ø D)	Cutting Speed (m/ min)	Roatation Speed (r.p.m.)	Feed (mm / rev)	Reamer (mm)
1.0 ≥	5.0 ~ 8.0	1660 ~ 2000 ~ 2500	0.1 ~ 0.2	0.08 ~ 0.15
2.0	10.0 ~ 15.0	1600 ~ 2000 ~ 2400	0.1 ~ 0.2	0.1 ~ 0.2
3.0	10.0 ~ 15.0	1000 ~ 1200 ~ 1600	0.1 ~ 0.2	0.1 ~ 0.2
4.0	10.0 ~ 15.0	800 ~ 900 ~ 1200	0.1 ~ 0.2	0.1 ~ 0.2
5.0	10.0 ~ 15.0	650 ~ 800 ~ 1000	0.1 ~ 0.2	0.2 ~ 0.3
6.0	10.0 ~ 15.0	530 ~ 650 ~ 800	0.1 ~ 0.2	0.2 ~ 0.3

•Special Steel (Alloy Tool Steel, Stainless Steels, nickel Steels, Molybdenum Steels, Chromium Steels, etc.)

Diameter (Ø D)	Cutting Speed (m/ min)	Roatation Speed (r.p.m.)	Feed (mm / rev)	Reamer (mm)
1.0 ≥	3.0 ~ 8.0	1000 ~ 1200 ~ 2500	0.1 ~ 0.2	0.07 ~ 0.15
2.0	6.0 ~ 10.0	950 ~ 1000 ~ 1600	0.1 ~ 0.2	0.1 ~ 0.2
3.0	6.0 ~ 10.0	640 ~ 750 ~ 1000	0.1 ~ 0.2	0.1 ~ 0.2
4.0	6.0 ~ 10.0	480 ~ 600 ~ 800	0.1 ~ 0.2	0.1 ~ 0.2
5.0	6.0 ~ 10.0	380 ~ 450 ~ 650	0.1 ~ 0.2	0.15 ~ 0.25
6.0	6.0 ~ 10.0	320 ~ 400 ~ 550	0.1 ~ 0.2	0.15 ~ 0.25

•Nonferrous Steel (Aluminum alloys, Copper, Brass, etc.)

Diameter (Ø D)	Cutting Speed (m/ min)	Roatation Speed (r.p.m.)	Feed (mm / rev)	Reamer (mm)
1.0 ≥	8.0 ~ 15.0	2500 ~ 3000 ~ 4700	0.2 ~ 0.3	0.08 ~ 0.15
2.0	13.0 ~ 25.0	2000 ~ 3000 ~ 4000	0.2 ~ 0.3	0.1 ~ 0.2
3.0	13.0 ~ 25.0	1400 ~ 2000 ~ 2600	0.2 ~ 0.3	0.1 ~ 0.2
4.0	13.0 ~ 25.0	1000 ~ 1500 ~ 2000	0.2 ~ 0.3	0.15 ~ 0.25
5.0	13.0 ~ 25.0	830 ~ 1000 ~ 1600	0.2 ~ 0.3	0.15 ~ 0.25
6.0	13.0 ~ 25.0	700 ~ 800 ~ 1300	0.2 ~ 0.3	0.15 ~ 0.25



DIAMENSIONAL TOLERANCE OF COMMONLY USED FITTING HOLE

単位：μm

Division of dimensions		B		C		D			E			F			G		H				
を 超え	以下	B10	C9	C10	D8	D9	D10	E7	E8	E9	F6	F7	F8	G6	G7	H5	H6	H7	H8	H9	H10
-	3	+180 +140	+85 +100 +60		+34	+45 +20	+60	+24	+28 +14	+39	+12	+16 +6	+20	+8 +2	+12	+4	+6	10	+14	+25	+40
3	6	+188 +140	+100 +118 +70		+48	+60 +30	+78	+32	+38 +20	+50	+18	+22 +10	+28	+12 +4	+16	+5	+8	+12	+18	+30	+48
6	10	+208 +150	+116 +138 +80		+62	+76 +40	+98	+40	+47 +25	+61	+22	+28 +13	+35	+14 +5	+20	+6	+8	+15	+22	+36	+58
10	14	+220 +150	+138 +165 +95		+77	+93 +50	+120	+50	+59 +32	+75	+27	+34 +16	+43	+17 +6	+24	+8	+11	+18	+27	+43	+70
14	18			0																	
18	24	+244 +160	+162 +194 +110		+98	+117 +65	+149	+61	+73 +40	+92	+33	+41 +20	+53	+20 +7	+28	+9	+13	+21	+33	+52	+84
24	30			0																	
30	40	+270 +170	+182 +220 +120		+119	+142 +80	+180	+75	+89 +50	+112	+41	+50 +25	+64	+25 +9	+34	+11	+16	+25	+39	+62	+100
40	50			0																	
50	65	+310 +190	+214 +260 +140		+146	+174 +100	+220	+90	+106 +60	+134	+49	+60 +30	+76	+29 +10	+40	+13	+19	+30	+46	+74	+120
65	80			0																	
80	100	+360 +220	+257 +310 +170		+174	+207 +120	+260	+107	+126 +72	+159	+58	+71 +36	+90	+34 +12	+47	+15	+22	+35	+54	+87	+140
100	120			0																	

Division of dimensions		JS			K			M			N		P		R	S	T	U	X
を 超え	以下	Js5	Js6	Js7	K5	K6	K7	M5	M6	M7	N6	N7	P6	P7	R7	S7	T7	U7	X7
-	3	±2	±3	±5	0 -4	0 -6	0 -10	-2 -6	-2 -8	-2 -10	-4 -10	-4 -14	-6 -12	-6 -16	-10 -20	-14 -24	-	-18 -28	-20 -30
3	6	±2.5	±4	±6	0 -5	+2 -6	+3 -9	-3 -8	-1 -9	0 -12	-5 -13	-4 -16	-9 -17	-8 -20	-11 -23	-15 -27	-	-19 -31	-24 -36
6	10	±3	±4.5	±7	+1 -5	+2 -7	+5 -10	-4 -10	-3 -12	0 -15	-7 -16	-4 -19	-12 -21	-9 -24	-13 -28	-17 -32	-	-22 -37	-28 -43
10	14	±4	±5.5	±9	+2	+2	+6	-4	-4	0	-9	-5	-15	-11	-16	-21	-	-26	-33 -51
14	18				-6	-9	-12	-12	-15	-18	-20	-23	-26	-29	-34	-39	-44	-48	-56
18	24	±4.5	±6.5	±10	+1	+2	+6	-5	-4	0	-11	-7	-18	-14	-20	-27	-	-33 -54	-46 -67
24	30				-8	-11	-15	-14	-17	-21	-24	-28	-31	-35	-41	-48	-54	-61	-77
30	40	±5.5	±8	±12	+2	+3	+7	-5	-4	0	-12	-8	-21	-17	-25	-34	-39	-51 -76	-
40	50				-9	-13	-18	-16	-20	-25	-28	-33	-37	-42	-50	-59	-64	-70	-86
50	65	±6.5	±9.5	±15	+3	+4	9	-6	-5	0	-14	-9	-26	-21	-30	-42	-55	-76 -106	-
65	80				-10	-15	-21	-19	-24	-30	-33	-39	-45	-51	-62	-78	-84	-94	-121
80	100	±7.5	±11	±17	+2	+4	+10	-8	-6	0	-16	-10	-30	-24	-38	-58	-78	-111 -146	-
100	120				-13	-18	-25	-23	-28	-35	-38	-45	-52	-59	-76	-101	-126	-166	

備考：表中の格段で、上側の数値は上の寸法許容差、下側の数値は下の寸法許容差を示す。