

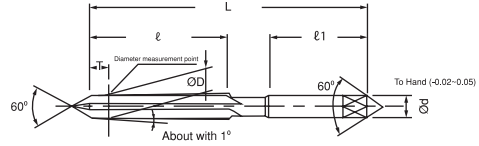
ไฮสปีดแฮนด์รีมเมอร์ HR HSS HAND REAMERS



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
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	ℓ1	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

ร่องเกลียว

REAMER

รีมเมอร์



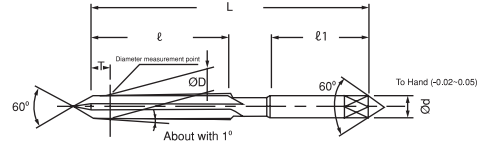
DAIICHI TOOL

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)

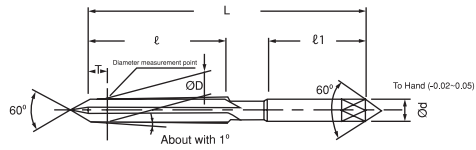
Order No.	Diameter	Flute Length	Overall Length	Shank Length	Chamfer
	D	ℓ	L	ℓ1	T
HR17.2	17.2	105	200	75	21
HR17.3	17.3	105	200	75	21
HR17.4	17.4	105	200	75	21
HR17.5	17.5	105	200	75	21
HR17.6	17.6	105	200	75	21
HR17.7	17.7	105	200	75	21
HR17.8	17.8	105	200	75	21
HR17.9	17.9	105	200	75	21
HR18.0	18.0	105	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 D	Flute Length ℓ	Overall Length L	Shank Length ℓ1	Chamfer 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 D	Flute Length ℓ	Overall Length L	Shank Length ℓ1	Chamfer 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