

# Reamer

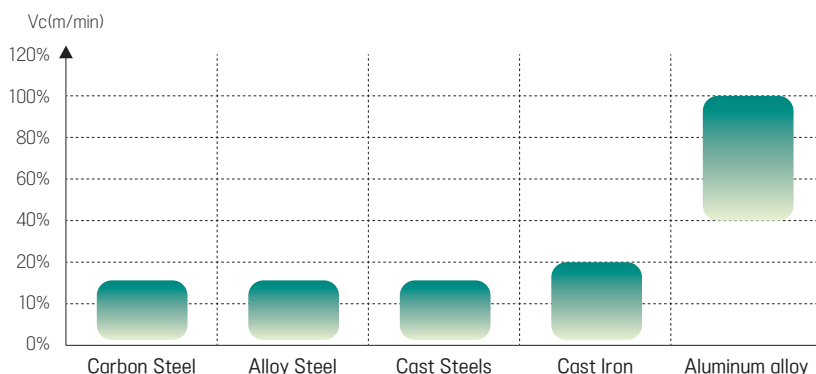
## Characteristics

- Suitable to work for Carbon Steels, Alloy Steels, Prehardened Steels, Copper, Cast Iron, Aluminum
- Extend customer choice with variety of size and type

## Features

- Excellent Chip emission by applied to Helical cutting edge
- Reduced friction by applied to clearance angle of the chamfer

## Vc by Application area



## Contents

EDP No	Geometry	Product	Page
SSR		Straight Flute Reamer	596
SHR		Helical Flute Reamer	597
HRS-W		Helical Neck Type Reamer	598
SBR		High-Helix Broach Reamer	601

## EDP No. System

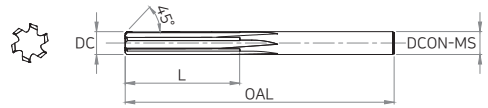
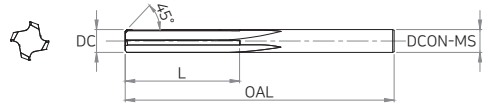
\* If expressed as an integer, the decimal point is omitted.

①	②	③
Appearance	Type	Diameter
SS : Solid Straight	R : Reamer	030 : Ø3.0
SH : Solid Helix	S : Separate Diameter	035 : Ø3.5
HR : Neck Type Helix		040 : Ø4.0
SB : Solid Broach		

# SSR Straight Flute Reamer

Reamer

Reamer



## ► Tolerance

DC		Shank Dia
~ Ø3	+0.002 ~ +0.006	h6
Ø3.5 ~ Ø6	+0.004 ~ +0.009	
Ø6.5 ~ Ø10	+0.006 ~ +0.012	
Ø11 ~ Ø12	+0.007 ~ +0.015	



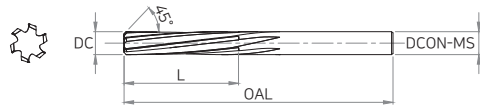
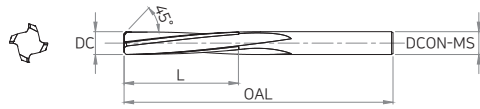
EDP No	DC	L	OAL	DCON-MS	NOF
SSR 020	2	25	60	4	4
SSR 025	2.5	25	60	4	4
SSR 030	3	28	70	4	6
SSR 035	3.5	30	75	4	6
SSR 040	4	30	75	4	6
SSR 045	4.5	35	80	6	6
SSR 050	5	35	80	6	6
SSR 055	5.5	35	80	6	6
SSR 060	6	35	80	6	6
SSR 065	6.5	45	100	8	6
SSR 070	7	45	100	8	6
SSR 080	8	45	100	8	6
SSR 090	9	50	110	10	6
SSR 100	10	50	110	10	6
SSR 110	11	50	120	12	6
SSR 120	12	50	120	12	6

## ► Applicable Working Material

○ : GOOD ◎ : EXCELLENT

H		P			K	N			M	S
Hardened Steel		Carbon Steel	Alloy Steel	Prehardened Steel	Cast Iron	Copper	Graphite	Aluminum	Stainless Steel	Heat Resistant Alloy
SKD61 ~HRc55	SKD11 HRc55~	~HB225	HB225 ~325	HRc30~50	~FCD500					
		○	○	○	○	○		○	○	

# SHR Helical Flute Reamer



Reamer

Reamer

► Tolerance

DC		Shank Dia
~ Ø3	+0.002 ~ +0.006	
Ø3.5 ~ Ø6	+0.004 ~ +0.009	
Ø6.5 ~ Ø10	+0.006 ~ +0.012	
Ø11 ~ Ø12	+0.007 ~ +0.015	h6



EDP No	DC	L	OAL	DCON-MS	NOF
SHR 020	2	25	60	4	4
SHR 025	2.5	25	60	4	4
SHR 030	3	28	70	4	6
SHR 035	3.5	30	75	4	6
SHR 040	4	30	75	4	6
SHR 045	4.5	35	80	6	6
SHR 050	5	35	80	6	6
SHR 055	5.5	35	80	6	6
SHR 060	6	35	80	6	6
SHR 065	6.5	45	100	8	6
SHR 070	7	45	100	8	6
SHR 080	8	45	100	8	6
SHR 090	9	50	110	10	6
SHR 100	10	50	110	10	6
SHR 110	11	50	120	12	6
SHR 120	12	50	120	12	6

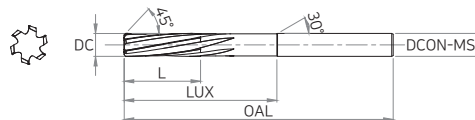
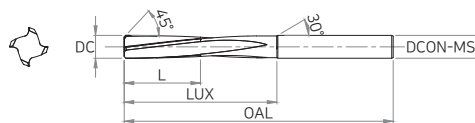
► Applicable Working Material

○ : GOOD ◎ : EXCELLENT

H		P			K	N			M	S
Hardened Steel		Carbon Steel	Alloy Steel	Prehardened Steel	Cast Iron	Copper	Graphite	Aluminum	Stainless Steel	Heat Resistant Alloy
SKD61 ~HRc55	SKD11 HRc55~	~HB225	HB225 ~325	Steel HRc30~50	~FCD500					
		○	○	○	○	○		○	○	

# HRS-W Helical Neck Type Reamer

Reamer



Reamer

## ► Tolerance

DC		Shank Dia
~ $\phi 5.03$	0 ~ +0.004	h6
$\phi 5.5 \sim \phi 12.05$	0 ~ +0.005	



EDP No	DC	L	LUX	OAL	DCON-MS	NOF
HRS 0198W	1.98	12	22	50	4	4
HRS 0199W	1.99	12	22	50	4	4
HRS 0200W	2	12	22	50	4	4
HRS 0201W	2.01	12	22	50	4	4
HRS 0202W	2.02	12	22	50	4	4
HRS 0203W	2.03	12	22	50	4	4
HRS 0248W	2.48	16	26	60	4	4
HRS 0249W	2.49	16	26	60	4	4
HRS 0250W	2.5	16	26	60	4	4
HRS 0251W	2.51	16	26	60	4	4
HRS 0252W	2.52	16	26	60	4	4
HRS 0253W	2.53	16	26	60	4	4
HRS 0297W	2.97	18	30	65	4	6
HRS 0298W	2.98	18	30	65	4	6
HRS 0299W	2.99	18	30	65	4	6
HRS 0300W	3	18	30	65	4	6
HRS 0301W	3.01	18	30	65	4	6
HRS 0302W	3.02	18	30	65	4	6
HRS 0303W	3.03	18	30	65	4	6
HRS 0350W	3.5	20	35	75	4	6

## ► Applicable Working Material

○ : GOOD ◎ : EXCELLENT

H		P			K	N			M	S
Hardened Steel		Carbon Steel	Alloy Steel	Prehardened Steel	Cast Iron	Copper	Graphite	Aluminum	Stainless Steel	Heat Resistant Alloy
SKD61 ~HRc55	SKD11 HRc55~	Steel ~HB225	HB225 ~325	Steel HRc30~50	~FCD500					
		○	○	○	○	○		○	○	

# HRS-W

## Helical Neck Type Reamer

Reamer

Reamer

EDP No	DC	L	LUX	OAL	DCON-MS	NOF
HRS 0397W	3.97	20	35	75	4	6
HRS 0398W	3.98	20	35	75	4	6
HRS 0399W	3.99	20	35	75	4	6
HRS 0400W	4	20	35	75	4	6
HRS 0401W	4.01	20	35	75	4	6
HRS 0402W	4.02	20	35	75	4	6
HRS 0403W	4.03	20	35	75	4	6
HRS 0450W	4.5	25	40	80	6	6
HRS 0497W	4.97	25	40	80	6	6
HRS 0498W	4.98	25	40	80	6	6
HRS 0499W	4.99	25	40	80	6	6
HRS 0500W	5	25	40	80	6	6
HRS 0501W	5.01	25	40	80	6	6
HRS 0502W	5.02	25	40	80	6	6
HRS 0503W	5.03	25	40	80	6	6
HRS 0550W	5.5	25	45	80	6	6
HRS 0597W	5.97	25	45	80	6	6
HRS 0598W	5.98	25	45	80	6	6
HRS 0599W	5.99	25	45	80	6	6
HRS 0600W	6	25	45	80	6	6
HRS 0601W	6.01	25	45	80	6	6
HRS 0602W	6.02	25	45	80	6	6
HRS 0603W	6.03	25	45	80	6	6
HRS 0650W	6.5	30	60	100	8	6
HRS 0700W	7	30	60	100	8	6
HRS 0750W	7.5	33	65	100	8	6
HRS 0797W	7.97	33	65	100	8	6
HRS 0798W	7.98	33	65	100	8	6
HRS 0799W	7.99	33	65	100	8	6
HRS 0800W	8	33	65	100	8	6
HRS 0801W	8.01	33	65	100	8	6
HRS 0802W	8.02	33	65	100	8	6
HRS 0803W	8.03	33	65	100	8	6
HRS 0850W	8.5	35	70	110	10	6

► Applicable Working Material

○ : GOOD ◎ : EXCELLENT

H		P			K	N			M	S
Hardened Steel		Carbon Steel	Alloy Steel	Prehardened Steel	Cast Iron	Copper	Graphite	Aluminum	Stainless Steel	Heat Resistant Alloy
SKD61 ~HRc55	SKD11 HRc55~	~HB225	HB225 ~325	HRc30~50	~FCD500					
		○	○	○	○	○		○	○	

# HRS-W Helical Neck Type Reamer

Reamer

Reamer

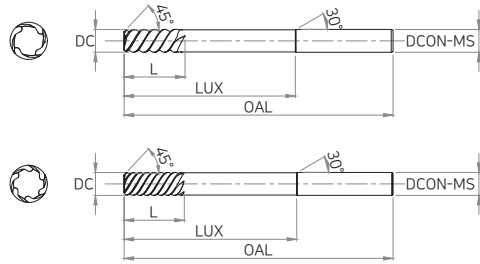
EDP No	DC	L	LUX	OAL	DCON-MS	NOF
HRS 0900W	9	35	70	110	10	6
HRS 0997W	9.97	35	70	110	10	6
HRS 0998W	9.98	35	70	110	10	6
HRS 0999W	9.99	35	70	110	10	6
HRS 1000W	10	35	70	110	10	6
HRS 1001W	10.01	35	70	110	10	6
HRS 1002W	10.02	35	70	110	10	6
HRS 1003W	10.03	35	70	110	10	6
HRS 1004W	10.04	35	70	110	10	6
HRS 1005W	10.05	35	70	110	10	6
HRS 1100W	11	40	80	120	12	6
HRS 1197W	11.97	40	80	120	12	6
HRS 1198W	11.98	40	80	120	12	6
HRS 1199W	11.99	40	80	120	12	6
HRS 1200W	12	40	80	120	12	6
HRS 1201W	12.01	40	80	120	12	6
HRS 1202W	12.02	40	80	120	12	6
HRS 1203W	12.03	40	80	120	12	6
HRS 1204W	12.04	40	80	120	12	6
HRS 1205W	12.05	40	80	120	12	6

► Applicable Working Material

○ : GOOD ◎ : EXCELLENT

H		P			K	N			M	S
Hardened Steel		Carbon Steel	Alloy Steel	Prehardened Steel	Cast Iron	Copper	Graphite	Aluminum	Stainless Steel	Heat Resistant Alloy
SKD61 ~HRC55	SKD11 HRC55~	~HB225	HB225 ~325	HRC30~50	~FCD500					
		○	○	○	○	○		○	○	

# SBR High-Helix Broach Reamer



► Tolerance

DC		Shank Dia h6
~ Ø3	+0.002 ~ +0.006	
Ø4 ~ Ø6	+0.004 ~ +0.009	
Ø8 ~ Ø10	+0.006 ~ +0.012	
Ø12 ~ Ø18	+0.007 ~ +0.015	
Ø20	+0.007 ~ +0.017	



EDP No	DC	L	OAL	LUX	DCON-MS	NOF
SBR 030	3	12	70	40	4	4
SBR 040	4	12	75	45	4	4
SBR 050	5	16	80	45	6	4
SBR 060	6	16	80	45	6	4
SBR 080	8	20	100	60	8	4
SBR 100	10	25	110	65	10	4
SBR 120	12	28	120	70	12	4
SBR 140	14	30	145	90	14	4
SBR 160	16	35	155	100	16	6
SBR 180	18	38	170	110	18	6
SBR 200	20	40	180	120	20	6

► Applicable Working Material

○ : GOOD ◎ : EXCELLENT

H		P			K	N			M	S
Hardened Steel		Carbon Steel	Alloy Steel	Prehardened Steel	Cast Iron	Copper	Graphite	Aluminum	Stainless Steel	Heat Resistant Alloy
SKD61 ~HRc55	SKD11 HRc55~	~HB225	HB225 ~325	Steel HRc30~50	~FCD500					
		○	○	○	○	○		○	○	