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And Exotic Materials:

SOLID CARBIDE END MILL

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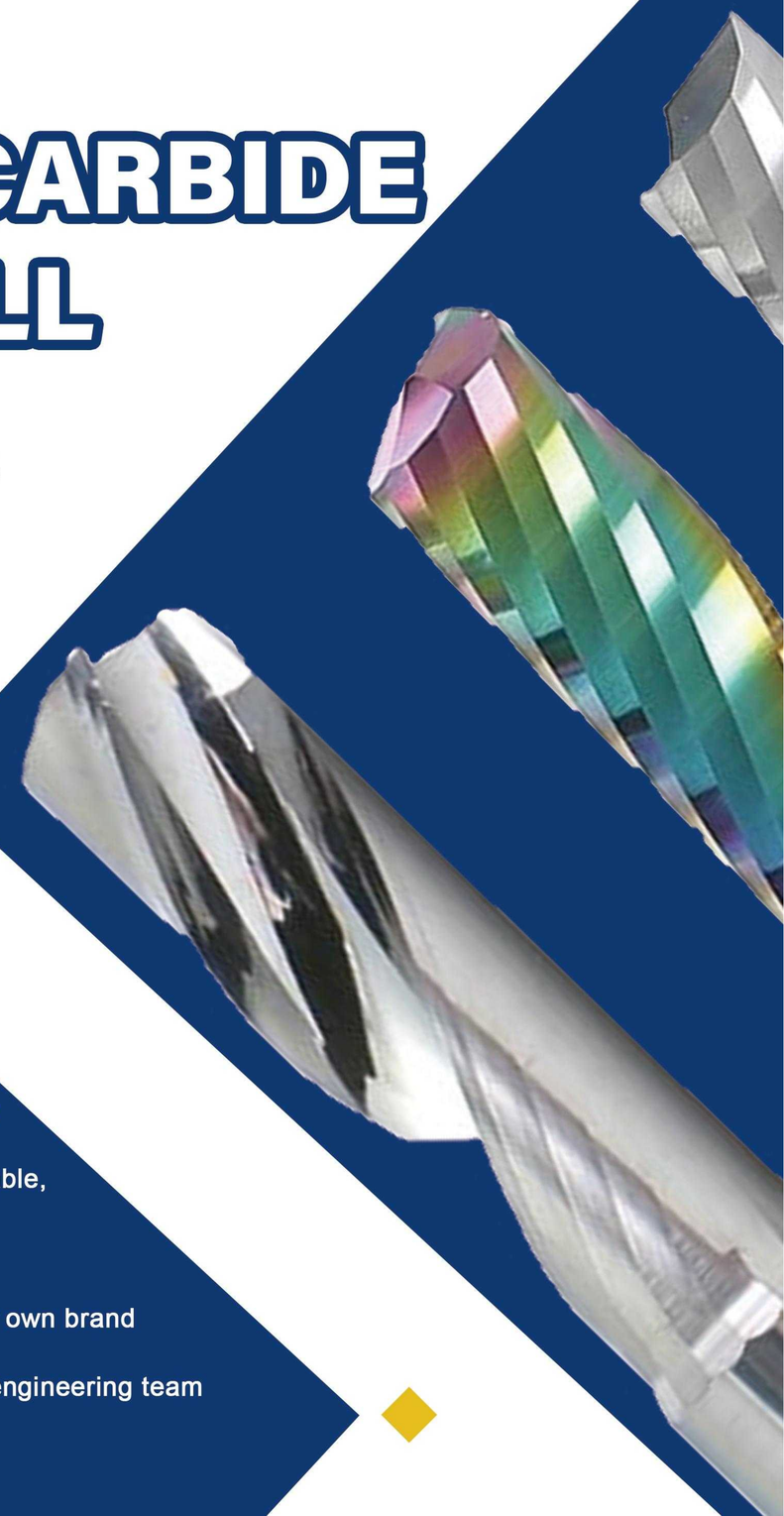

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CONTENTS

Solid Carbide Single Flute Spiral End Mill ---------- A01
Solid Carbide Single Flute Left Helical End Mill ---------- A23
Solid Carbide Single Flute Spiral End Mill For Aluminuml ---------- A31
Single Flute Spiral End Mill For Aluminum Alloy ---------- A43
Solid Carbide Straight Cutter ---------- A51
Solid Carbide Double Flutes Spiral End Mill ---------- A61
Solid Carbide Up&Down Cut Spiral End Mill ---------- A77
Solid Carbide Engraving Bits ---------- A87
PCB Corn Teeth End Mill ---------- A103
TCT End Mill ---------- A107
3D Cutter ---------- A111

HNCARBIDE
SOLID CARBIDE END MILL

Solid Carbide Single Flute Spiral End Mill

HN1A-FG | A01

HN2A-FA | A05

HN3A-FA | A13

HN2A-FA-C | A11

HN3A-FA-C | A19

Solid Carbide Single Flute Left Helical End Mill

HN2A-LH | A23

HN3A-LH | A27

Solid Carbide Single Flute Spiral End Mill For Aluminum

HN2A-Al | A31

HN3A-Al | A37

HN2A-Al-C | A35

HN3A-Al-C | A41

Single Flute Spiral End Mill For Aluminum Alloy

HNHSS-FAA | A43

HNM42-FAA | A45

HNK44-FAA | A47

HNK44-FAA-C | A49

Solid Carbide Straight Cutter

HN1A-SF2 | A51

HN2A-SR2 | A57

SOLID CARBIDE END MILL

Solid Carbide Straight Cutter

HN1A-SS | A59

HN2A-SS | A60

Solid Carbide Double Flutes Spiral End Mill

HN1A-FG2 | A61

HN1A-BB2 | A65

HN2A-NC2 | A69

HN3A-LD2 | A73

Solid Carbide Up&Down Cut Spiral End Mill

HN2A-UD | A77

HN2A-UD2 | A81

HN3A-UD | A79

HN3A-UD2 | A83

HN3A-UD2 | A85

Solid Carbide Engraving Bits

HN1A-BE | A87

HN2A-BE | A89

HN2A-BM | A95

HN1A-TF | A101

HN2A-TF | A102

PCB Corn Teeth End Mill

HN2A-CT | A103

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SOLID CARBIDE END MILL

TCT End Mill

HN-SM | A107

HN-SM-Z | A108

HN-TUD2 | A109

HN-TUD2-Z | A110

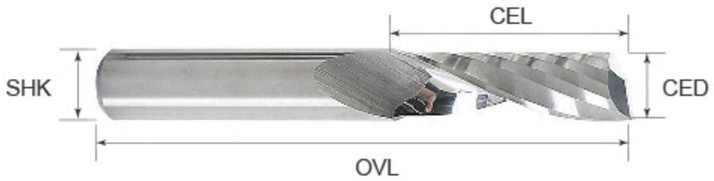
3D Cutter

HN1A-SK | A111

HN1A-BP | A113

HN1A-RB | A115

HN1A-FG ONE FLUTE SPIRAL BITS FOR GENERAL



Order NO.	d	D	l	L
HN1A-FG-01003	1	3.175	3	38
HN1A-FG-01204	1.2	3.175	4	38
HN1A-FG-01206	1.2	3.175	6	38
HN1A-FG-01504	1.5	3.175	4	38
HN1A-FG-01506	1.5	3.175	6	38
HN1A-FG-01508	1.5	3.175	8	38
HN1A-FG-01512	1.5	3.175	12	38
HN1A-FG-02006	2	3.175	6	38
HN1A-FG-02008	2	3.175	8	38
HN1A-FG-02012	2	3.175	12	38
HN1A-FG-02015	2	3.175	15	38
HN1A-FG-02017	2	3.175	17	38
HN1A-FG-02508	2.5	3.175	8	38
HN1A-FG-02512	2.5	3.175	12	38
HN1A-FG-02515	2.5	3.175	15	38
HN1A-FG-02517	2.5	3.175	17	38

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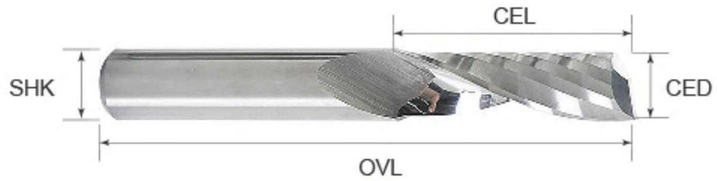
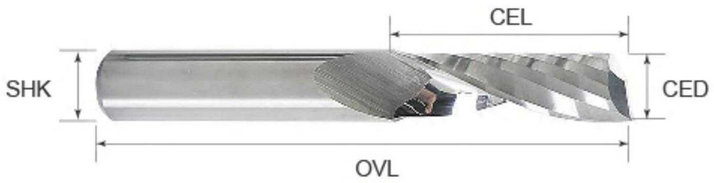
HN1A-FG ONE FLUTE SPIRAL BITS FOR GENERAL



Order NO.	d	D	l	L
HN1A-FG-03108	3.175	3.175	8	38
HN1A-FG-03110	3.175	3.175	10	38
HN1A-FG-03112	3.175	3.175	12	38
HN1A-FG-03115	3.175	3.175	15	38
HN1A-FG-03117	3.175	3.175	17	38
HN1A-FG-03120	3.175	3.175	20	42
HN1A-FG-03122	3.175	3.175	22	42
HN1A-FG-03125	3.175	3.175	25	45
HN1A-FG-03128	3.175	3.175	28	50
HN1A-FG-03132	3.175	3.175	32	55
HN1A-FG-03142	3.175	3.175	42	65
HN1A-FG-03152	3.175	3.175	52	75
HN1A-FG-04008	4	4	8	40
HN1A-FG-04010	4	4	10	40
HN1A-FG-04012	4	4	12	40

HN1A-FG ONE FLUTE SPIRAL BITS FOR GENERAL



Order NO.	d	D	l	L
HN1A-FG-04015	4	4	15	40
HN1A-FG-04017	4	4	17	40
HN1A-FG-04020	4	4	20	40
HN1A-FG-04022	4	4	22	45
HN1A-FG-04025	4	4	25	45
HN1A-FG-04028	4	4	28	50
HN1A-FG-04032	4	4	32	55
HN1A-FG-04042	4	4	42	65
HN1A-FG-04052	4	4	52	75
HN1A-FG-05017	5	5	17	45
HN1A-FG-05022	5	5	22	45
HN1A-FG-05025	5	5	25	50
HN1A-FG-05028	5	5	28	55
HN1A-FG-05032	5	5	32	55
HN1A-FG-06012	6	6	12	45
HN1A-FG-06015	6	6	15	45

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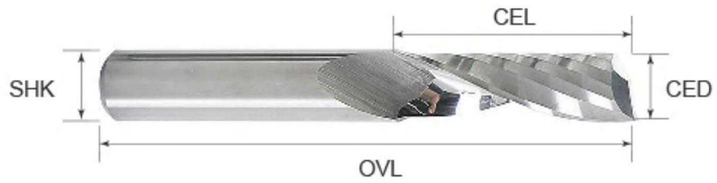
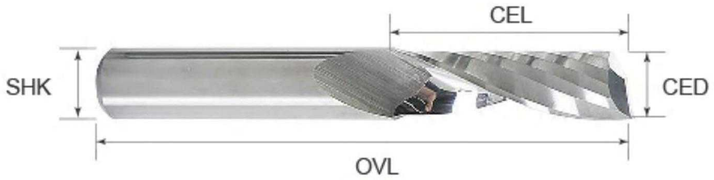
HN1A-FG ONE FLUTE SPIRAL BITS FOR GENERAL



Order NO.	d	D	l	L
HN1A-FG-06017	6	6	17	45
HN1A-FG-06022	6	6	22	45
HN1A-FG-06025	6	6	25	50
HN1A-FG-06028	6	6	28	55
HN1A-FG-06032	6	6	32	60
HN1A-FG-06042	6	6	42	70
HN1A-FG-06052	6	6	52	80
HN1A-FG-06062	6	6	62	90
HN1A-FG-08025	8	8	25	60
HN1A-FG-08028	8	8	28	60
HN1A-FG-08032	8	8	32	60
HN1A-FG-08042	8	8	42	75
HN1A-FG-08052	8	8	52	85
HN1A-FG-08062	8	8	62	100

HN2A-FA ONE FLUTE SPIRAL BITS FOR GENERAL



Order NO.	d	D	l	L
HN2A-FA-02022	2	3.175	22	45
HN2A-FA-02504	2.5	3.175	4	38
HN2A-FA-02506	2.5	3.175	6	38
HN2A-FA-02508	2.5	3.175	8	38
HN2A-FA-02510	2.5	3.175	10	38
HN2A-FA-02512	2.5	3.175	12	38
HN2A-FA-02515	2.5	3.175	15	38
HN2A-FA-02517	2.5	3.175	17	38
HN2A-FA-02522	2.5	3.175	22	38
HN2A-FA-03106	3.175	3.175	6	38
HN2A-FA-03108	3.175	3.175	8	38
HN2A-FA-03110	3.175	3.175	10	38
HN2A-FA-03112	3.175	3.175	12	38
HN2A-FA-03115	3.175	3.175	15	38
HN2A-FA-03117	3.175	3.175	17	38
HN2A-FA-03120	3.175	3.175	20	45
HN2A-FA-03122	3.175	3.175	22	45
HN2A-FA-03125	3.175	3.175	25	45
HN2A-FA-03128	3.175	3.175	28	50
HN2A-FA-03132	3.175	3.175	32	55

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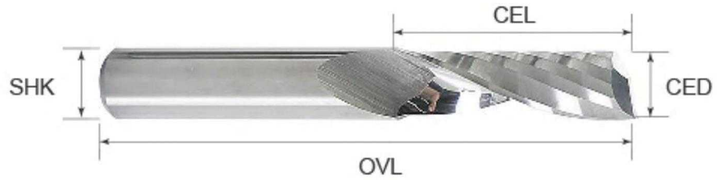
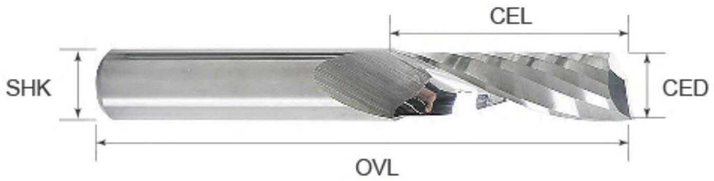
HN2A-FA ONE FLUTE SPIRAL BITS FOR GENERAL



Order NO.	d	D	l	L
HN2A-FA-03136	3.175	3.175	36	60
HN2A-FA-03142	3.175	3.175	42	70
HN2A-FA-03152	3.175	3.175	52	80
HN2A-FA-04008	4	4	8	45
HN2A-FA-04010	4	4	10	45
HN2A-FA-04012	4	4	12	45
HN2A-FA-04015	4	4	15	45
HN2A-FA-04017	4	4	17	45
HN2A-FA-04022	4	4	22	45
HN2A-FA-04025	4	4	25	50
HN2A-FA-04028	4	4	28	50
HN2A-FA-04032	4	4	32	55
HN2A-FA-04035	4	4	35	60
HN2A-FA-04038	4	4	38	70
HN2A-FA-04042	4	4	42	70
HN2A-FA-04052	4	4	52	80
HN2A-FA-05012	5	5	12	50
HN2A-FA-05015	5	5	15	50
HN2A-FA-05017	5	5	17	50
HN2A-FA-05022	5	5	22	50

HN2A-FA ONE FLUTE SPIRAL BITS FOR GENERAL



Order NO.	d	D	l	L
HN2A-FA-05025	5	5	25	50
HN2A-FA-05028	5	5	28	55
HN2A-FA-05032	5	5	32	55
HN2A-FA-05032L	5	5	32	60
HN2A-FA-05042	5	5	42	70
HN2A-FA-05052	5	5	52	80
HN2A-FA-020806	2	6	8	50
HN2A-FA-021206	2	6	12	50
HN2A-FA-031206	3	6	12	50
HN2A-FA-031506	3	6	15	50
HN2A-FA-031706	3	6	17	50
HN2A-FA-032206	3	6	22	50
HN2A-FA-041206	4	6	12	50
HN2A-FA-041207	4	6	17	50
HN2A-FA-042206	4	6	22	50
HN2A-FA-052206	5	6	22	50
HN2A-FA-06012	6	6	12	50
HN2A-FA-06015	6	6	15	50
HN2A-FA-06017	6	6	17	50
HN2A-FA-06022	6	6	22	50

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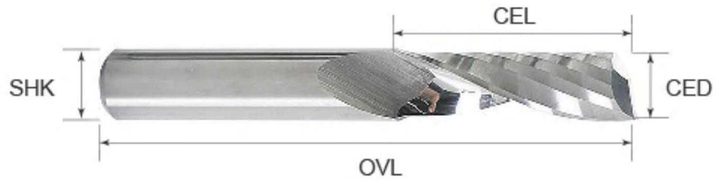
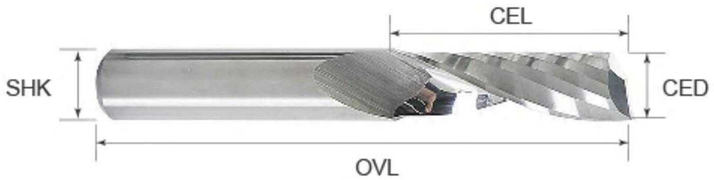
HN2A-FA ONE FLUTE SPIRAL BITS FOR GENERAL



Order NO.	d	D	l	L
HN2A-FA-06025	6	6	25	50
HN2A-FA-06028	6	6	28	60
HN2A-FA-06032	6	6	32	60
HN2A-FA-06035	6	6	35	65
HN2A-FA-06038	6	6	38	70
HN2A-FA-06042	6	6	42	70
HN2A-FA-06052	6	6	52	80
HN2A-FA-06062	6	6	62	100
HN2A-FA-063522	6.35	6.35	22	50
HN2A-FA-063525	6.35	6.35	25	50
HN2A-FA-063528	6.35	6.35	28	60
HN2A-FA-063532	6.35	6.35	32	60
HN2A-FA-08022	8	8	22	60
HN2A-FA-08025	8	8	25	60
HN2A-FA-08028	8	8	28	60
HN2A-FA-08032	8	8	32	65

HN2A-FA ONE FLUTE SPIRAL BITS FOR GENERAL



Order NO.	d	D	l	L
HN2A-FA-08035	8	8	35	70
HN2A-FA-08038	8	8	38	75
HN2A-FA-08042	8	8	42	75
HN2A-FA-08052	8	8	52	90
HN2A-FA-08062	8	8	62	100
HN2A-FA-10025	10	10	25	60
HN2A-FA-10032	10	10	32	75
HN2A-FA-10042	10	10	42	85
HN2A-FA-10052	10	10	52	100
HN2A-FA-10062	10	10	62	100
HN2A-FA-12025	12	12	25	65
HN2A-FA-12035	12	12	35	75
HN2A-FA-12045	12	12	45	90
HN2A-FA-12055	12	12	55	100
HN2A-FA-12062	12	12	62	120

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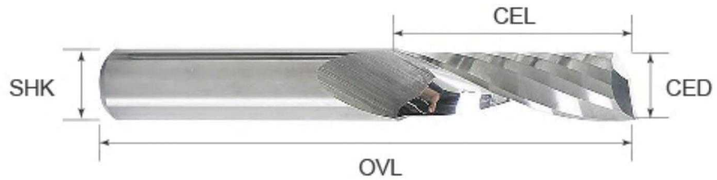
HN2A-FA ONE FLUTE SPIRAL BITS FOR GENERAL



Order NO.	d	D	l	L
HN2A-FA-030308	3	8	3	38
HN2A-FA-030312	3	12	3	38
HN2A-FA-030315	3	15	3	38
HN2A-FA-030317	3	17	3	38
HN2A-FA-00803	0.8	3.175	3	38
HN2A-FA-00804	0.8	3.175	4	38
HN2A-FA-01003	1	3.175	3	38
HN2A-FA-01004	1	3.175	4	38
HN2A-FA-01204	1.2	3.175	4	38
HN2A-FA-01207	1.2	3.175	7	38
HN2A-FA-01504	1.5	3.175	4	38
HN2A-FA-01508	1.5	3.175	8	38
HN2A-FA-01512	1.5	3.175	12	38
HN2A-FA-02004	2	3.175	4	38
HN2A-FA-02006	2	3.175	6	38
HN2A-FA-02008	2	3.175	8	38
HN2A-FA-02010	2	3.175	10	38
HN2A-FA-02012	2	3.175	12	38
HN2A-FA-02015	2	3.175	15	38
HN2A-FA-02017	2	3.175	17	38

HN2A-FA ONE FLUTE SPIRAL BITS FOR ACRYLIC WITH DLC COATING

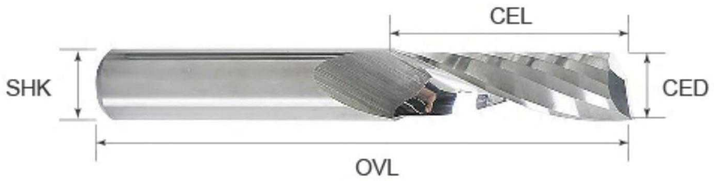
Order NO.	d	D	l	L
HN2A-FA-03115-C	3.175	3.175	15	38
HN2A-FA-03117-C	3.175	3.175	17	38
HN2A-FA-03122-C	3.175	3.175	22	45
HN2A-FA-03125-C	3.175	3.175	25	45
HN2A-FA-03128-C	3.175	3.175	28	50
HN2A-FA-03132-C	3.175	3.175	32	55
HN2A-FA-04008-C	4	4	8	45
HN2A-FA-04012-C	4	4	12	45
HN2A-FA-04015-C	4	4	15	45
HN2A-FA-04017-C	4	4	17	45
HN2A-FA-04022-C	4	4	22	45
HN2A-FA-04025-C	4	4	25	50
HN2A-FA-04028-C	4	4	28	50
HN2A-FA-04032-C	4	4	32	55
HN2A-FA-06012-C	6	6	12	50
HN2A-FA-06017-C	6	6	17	50
HN2A-FA-06022-C	6	6	22	50
HN2A-FA-06025-C	6	6	25	50
HN2A-FA-06028-C	6	6	28	60
HN2A-FA-06032-C	6	6	32	60
HN2A-FA-04012-06-C	4	6	12	50
HN2A-FA-02008-06-C	2	6	8	50
HN2A-FA-03012-06-C	3	6	12	50

HNCARBIDE

HN2A-FA ONE FLUTE SPIRAL BITS FOR ACRYLIC WITH DLC COATING

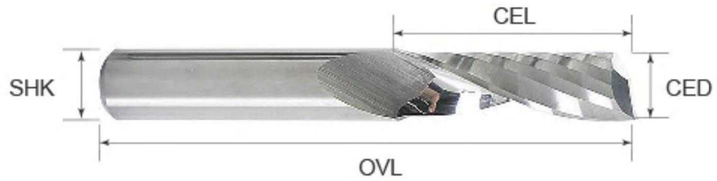
Order NO.	d	D	l	L
HN2A-FA-01003-C	1	3.175	3	38
HN2A-FA-01004-C	1	3.175	4	38
HN2A-FA-01504-C	1.5	3.175	4	38
HN2A-FA-01508-C	1.5	3.175	8	38
HN2A-FA-01512-C	1.5	3.175	12	38
HN2A-FA-02004-C	2	3.175	4	38
HN2A-FA-02006-C	2	3.175	6	38
HN2A-FA-02008-C	2	3.175	8	38
HN2A-FA-02010-C	2	3.175	10	38
HN2A-FA-02012-C	2	3.175	12	38
HN2A-FA-02015-C	2	3.175	15	38
HN2A-FA-02017-C	2	3.175	17	38
HN2A-FA-02504-C	2.5	3.175	4	38
HN2A-FA-02506-C	2.5	3.175	6	38
HN2A-FA-02508-C	2.5	3.175	8	38
HN2A-FA-02510-C	2.5	3.175	10	38
HN2A-FA-02512-C	2.5	3.175	12	38
HN2A-FA-02515-C	2.5	3.175	15	38
HN2A-FA-02517-C	2.5	3.175	17	38
HN2A-FA-03106-C	3.175	3.175	6	38
HN2A-FA-03108-C	3.175	3.175	8	38
HN2A-FA-03110-C	3.175	3.175	10	38
HN2A-FA-03112-C	3.175	3.175	12	38

HN3A-FA ONE FLUTE SPIRAL BITS FOR GENERAL



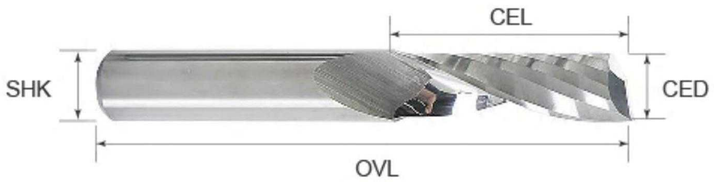
Order NO.	d	D	l	L
HN3A-FA-00301	0.3	3.175	1	38
HN3A-FA-00401	0.4	3.175	1	38
HN3A-FA-00502	0.5	3.175	2	38
HN3A-FA-00602	0.6	3.175	2	38
HN3A-FA-00702	0.7	3.175	2	38
HN3A-FA-00803	0.8	3.175	3	38
HN3A-FA-00903	0.9	3.175	3	38
HN3A-FA-01003	1	3.175	3	38
HN3A-FA-01004	1	3.175	4	38
HN3A-FA-01204	1.2	3.175	4	38
HN3A-FA-01207	1.2	3.175	7	38
HN3A-FA-01504	1.5	3.175	4	38
HN3A-FA-01508	1.5	3.175	8	38
HN3A-FA-01512	1.5	3.175	12	38
HN3A-FA-02004	2	3.175	4	38
HN3A-FA-02006	2	3.175	6	38
HN3A-FA-02008	2	3.175	8	38
HN3A-FA-02010	2	3.175	10	38
HN3A-FA-02012	2	3.175	12	38
HN3A-FA-02015	2	3.175	15	38

HN3A-FA ONE FLUTE SPIRAL BITS FOR GENERAL



Order NO.	d	D	l	L
HN3A-FA-02017	2	3.175	17	38
HN3A-FA-02022	2	3.175	22	45
HN3A-FA-02504	2.5	3.175	4	38
HN3A-FA-02506	2.5	3.175	6	38
HN3A-FA-02508	2.5	3.175	8	38
HN3A-FA-02510	2.5	3.175	10	38
HN3A-FA-02512	2.5	3.175	12	38
HN3A-FA-02515	2.5	3.175	15	38
HN3A-FA-02517	2.5	3.175	17	38
HN3A-FA-02522	2.5	3.175	22	45
HN3A-FA-03106	3.175	3.175	6	38
HN3A-FA-03108	3.175	3.175	8	38
HN3A-FA-03110	3.175	3.175	10	38
HN3A-FA-03112	3.175	3.175	12	38
HN3A-FA-03115	3.175	3.175	15	38
HN3A-FA-03117	3.175	3.175	17	38
HN3A-FA-03120	3.175	3.175	20	45
HN3A-FA-03122	3.175	3.175	22	45
HN3A-FA-03125	3.175	3.175	25	50
HN3A-FA-03128	3.175	3.175	28	50

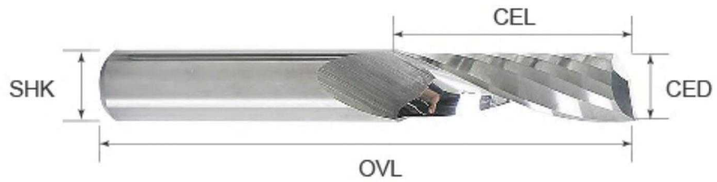
HN3A-FA ONE FLUTE SPIRAL BITS FOR GENERAL



Order NO.	d	D	l	L
HN3A-FA-03132	3.175	3.175	32	55
HN3A-FA-03136	3.175	3.175	36	60
HN3A-FA-03142	3.175	3.175	42	70
HN3A-FA-03152	3.175	3.175	52	80
HN3A-FA-04008	4	4	8	45
HN3A-FA-04010	4	4	10	45
HN3A-FA-04012	4	4	12	45
HN3A-FA-04015	4	4	15	45
HN3A-FA-04017	4	4	17	45
HN3A-FA-04022	4	4	22	45
HN3A-FA-04025	4	4	25	50
HN3A-FA-04028	4	4	28	50
HN3A-FA-04032	4	4	32	55
HN3A-FA-04035	4	4	35	60
HN3A-FA-04038	4	4	38	70
HN3A-FA-04042	4	4	42	70
HN3A-FA-04052	4	4	52	70
HN3A-FA-05012	5	5	12	50
HN3A-FA-05015	5	5	15	50
HN3A-FA-05017	5	5	17	50

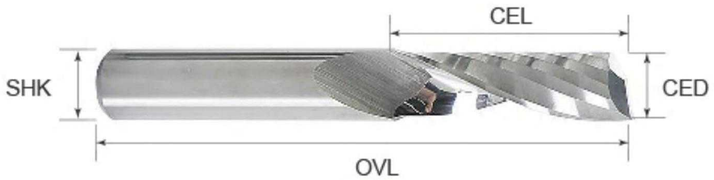
HNCARBIDE

HN3A-FA ONE FLUTE SPIRAL BITS FOR GENERAL



Order NO.	d	D	l	L
HN3A-FA-05022	5	5	22	50
HN3A-FA-05025	5	5	25	50
HN3A-FA-05028	5	5	28	55
HN3A-FA-05032	5	5	32	60
HN3A-FA-05042	5	5	42	70
HN3A-FA-05052	5	5	52	80
HN3A-FA-02008-D6	2	6	8	50
HN3A-FA-02012-D6	2	6	12	50
HN3A-FA-03012-D6	3	6	12	50
HN3A-FA-03015-D6	3	6	15	50
HN3A-FA-03017-D6	3	6	17	50
HN3A-FA-03022-D6	3	6	22	50
HN3A-FA-04012-D6	4	6	12	50
HN3A-FA-04017-D6	4	6	17	50
HN3A-FA-04022-D6	4	6	22	50
HN3A-FA-05022-D6	5	6	22	50
HN3A-FA-06012	6	6	12	50
HN3A-FA-06015	6	6	15	50
HN3A-FA-06017	6	6	17	50
HN3A-FA-06022	6	6	22	50

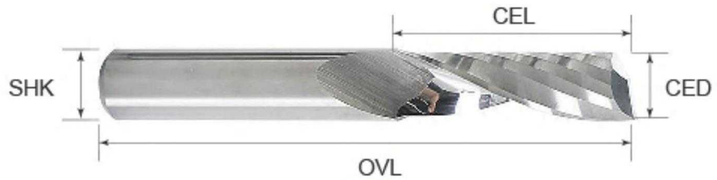
HN3A-FA ONE FLUTE SPIRAL BITS FOR GENERAL



Order NO.	d	D	l	L
HN3A-FA-06025	6	6	25	50
HN3A-FA-06028	6	6	28	60
HN3A-FA-06032	6	6	32	60
HN3A-FA-06035	6	6	35	65
HN3A-FA-06038	6	6	38	75
HN3A-FA-06042	6	6	42	75
HN3A-FA-06052	6	6	52	85
HN3A-FA-06062	6	6	62	100
HN3A-FA-06322	6.35	6.35	22	50
HN3A-FA-06325	6.35	6.35	25	50
HN3A-FA-06328	6.35	6.35	28	60
HN3A-FA-06332	6.35	6.35	32	60
HN3A-FA-08022	8	8	22	60
HN3A-FA-08025	8	8	25	60
HN3A-FA-08028	8	8	28	60
HN3A-FA-08032	8	8	32	65
HN3A-FA-08035	8	8	35	70
HN3A-FA-08038	8	8	38	75

HNCARBIDE

HN3A-FA ONE FLUTE SPIRAL BITS FOR GENERAL



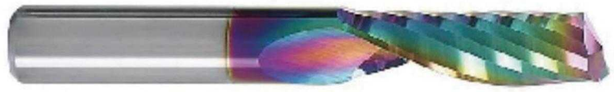
Order NO.	d	D	l	L
HN3A-FA-08042	8	8	42	75
HN3A-FA-08052	8	8	52	90
HN3A-FA-08062	8	8	62	100
HN3A-FA-08072	8	8	72	120
HN3A-FA-01025	10	10	25	60
HN3A-FA-10032	10	10	32	75
HN3A-FA-10042	10	10	42	85
HN3A-FA-10052	10	10	52	100
HN3A-FA-10062	10	10	62	110
HN3A-FA-10072	10	10	72	120
HN3A-FA-10085	10	10	85	150
HN3A-FA-12025	12	12	25	65
HN3A-FA-12035	12	12	35	75
HN3A-FA-12045	12	12	45	90
HN3A-FA-12055	12	12	55	100
HN3A-FA-12062	12	12	62	120
HN3A-FA-12072	12	12	72	120
HN3A-FA-12085	12	12	85	150

HN3A-FA ONE FLUTE SPIRAL BITS FOR ACRYLIC WITH DLC COATING

Order NO.	d	D	l	L
HN3A-FA-01003-C	1	3.175	3	38
HN3A-FA-01004-C	1	3.175	4	38
HN3A-FA-01504-C	1.5	3.175	4	38
HN3A-FA-01508-C	1.5	3.175	8	38
HN3A-FA-01512-C	1.5	3.175	12	38
HN3A-FA-02004-C	2	3.175	4	38
HN3A-FA-02006-C	2	3.175	6	38
HN3A-FA-02008-C	2	3.175	8	38
HN3A-FA-02010-C	2	3.175	10	38
HN3A-FA-02012-C	2	3.175	12	38
HN3A-FA-02015-C	2	3.175	15	38
HN3A-FA-02017-C	2	3.175	17	38
HN3A-FA-02022-C	2	3.175	22	45
HN3A-FA-02504-C	2.5	3.175	4	38
HN3A-FA-02506-C	2.5	3.175	6	38
HN3A-FA-02508-C	2.5	3.175	8	38
HN3A-FA-02510-C	2.5	3.175	10	38
HN3A-FA-02512-C	2.5	3.175	12	38
HN3A-FA-02515-C	2.5	3.175	15	38
HN3A-FA-02517-C	2.5	3.175	17	38

HNCARBIDE

HN3A-FA ONE FLUTE SPIRAL BITS FOR ACRYLIC WITH DLC COATING



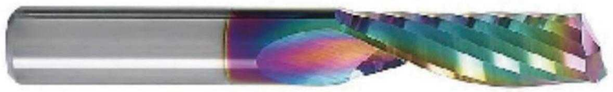
Order NO.	d	D	l	L
HN3A-FA-02522-C	2.5	3.175	22	45
HN3A-FA-03106-C	3.175	3.175	6	38
HN3A-FA-03108-C	3.175	3.175	8	38
HN3A-FA-03110-C	3.175	3.175	10	38
HN3A-FA-03112-C	3.175	3.175	12	38
HN3A-FA-03115-C	3.175	3.175	15	38
HN3A-FA-03117-C	3.175	3.175	17	38
HN3A-FA-03122-C	3.175	3.175	22	45
HN3A-FA-03125-C	3.175	3.175	25	50
HN3A-FA-03128-C	3.175	3.175	28	50
HN3A-FA-03132-C	3.175	3.175	32	55
HN3A-FA-03142-C	3.175	3.175	42	70
HN3A-FA-03152-C	3.175	3.175	52	80
HN3A-FA-04008-C	4	4	8	45
HN3A-FA-04012-C	4	4	12	45
HN3A-FA-04012-D6-C	4	6	12	50
HN3A-FA-04015-C	4	4	15	45
HN3A-FA-04017-C	4	4	17	45
HN3A-FA-04022-C	4	4	22	45
HN3A-FA-04025-C	4	4	25	50

HN3A-FA ONE FLUTE SPIRAL BITS FOR ACRYLIC WITH DLC COATING

Order NO.	d	D	l	L
HN3A-FA-04028-C	4	4	28	50
HN3A-FA-04032-C	4	4	32	55
HN3A-FA-04042-C	4	4	42	70
HN3A-FA-04052-C	4	4	52	80
HN3A-FA-05022-C	5	5	22	50
HN3A-FA-05025-C	5	5	25	50
HN3A-FA-05028-C	5	5	28	55
HN3A-FA-05032-C	5	5	32	60
HN3A-FA-06012-C	6	6	12	50
HN3A-FA-06017-C	6	6	17	50
HN3A-FA-06022-C	6	6	22	50
HN3A-FA-06025-C	6	6	25	50
HN3A-FA-06028-C	6	6	28	60
HN3A-FA-06032-C	6	6	32	60
HN3A-FA-06042-C	6	6	42	75
HN3A-FA-06052-C	6	6	52	85
HN3A-FA-06062-C	6	6	62	100
HN3A-FA-06322-C	6.35	6.35	22	50

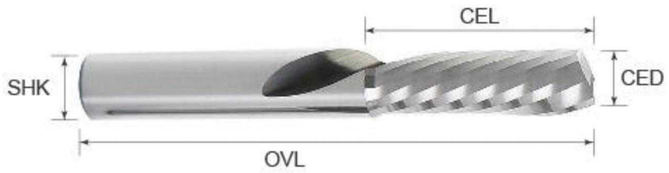
HNCARBIDE

HN3A-FA ONE FLUTE SPIRAL BITS FOR ACRYLIC WITH DLC COATING



Order NO.	d	D	l	L
HN3A-FA-06325-C	6.35	6.35	25	50
HN3A-FA-06328-C	6.35	6.35	28	60
HN3A-FA-06332-C	6.35	6.35	32	60
HN3A-FA-08022-C	8	8	22	60
HN3A-FA-08025-C	8	8	25	60
HN3A-FA-08032-C	8	8	32	65
HN3A-FA-08042-C	8	8	42	75
HN3A-FA-08052-C	8	8	52	90
HN3A-FA-08062-C	8	8	62	100
HN3A-FA-10032-C	10	10	32	75
HN3A-FA-10042-C	10	10	42	85
HN3A-FA-10052-C	10	10	52	100
HN3A-FA-10062-C	10	10	62	110
HN3A-FA-12035-C	12	12	35	75
HN3A-FA-12045-C	12	12	45	90
HN3A-FA-12055-C	12	12	55	100
HN3A-FA-12062-C	12	12	62	120

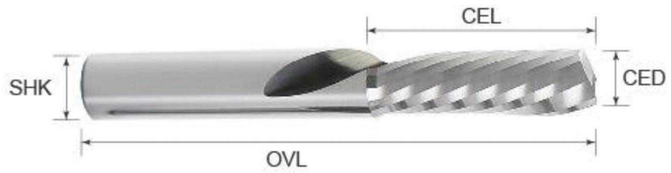
HN2A-LH SOLID CARBIDE SINGLE-EDGED LEFT HELICAL MILLING CUTTER



Order NO.	d	D	l	L
HN2A-LH-03008	3	3	8	38
HN2A-LH-03012	3	3	12	38
HN2A-LH-03015	3	3	15	38
HN2A-LH-03017	3	3	17	38
HN2A-LH-01003	1	3.175	3	38
HN2A-LH-01504	1.5	3.175	4	38
HN2A-LH-01507	1.5	3.175	7	38
HN2A-LH-01512	1.5	3.175	12	38
HN2A-LH-02004	2	3.175	4	38
HN2A-LH-02006	2	3.175	6	38
HN2A-LH-02008	2	3.175	8	38
HN2A-LH-02010	2	3.175	10	38
HN2A-LH-02012	2	3.175	12	38
HN2A-LH-02015	2	3.175	15	38
HN2A-LH-02017	2	3.175	17	38
HN2A-LH-02022	2	3.175	22	38
HN2A-LH-02504	2.5	3.175	4	38
HN2A-LH-02506	2.5	3.175	6	38
HN2A-LH-02508	2.5	3.175	8	38
HN2A-LH-02510	2.5	3.175	10	38

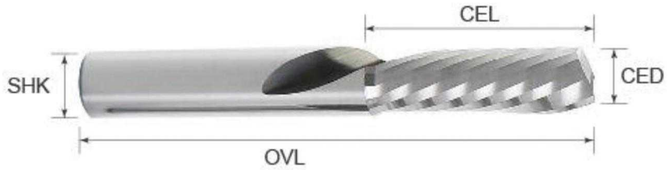
HNCARBIDE

HN2A-LH SOLID CARBIDE SINGLE-EDGED LEFT HELICAL MILLING CUTTER



Order NO.	d	D	l	L
HN2A-LH-02512	2.5	3.175	12	38
HN2A-LH-02515	2.5	3.175	15	38
HN2A-LH-02517	2.5	3.175	17	38
HN2A-LH-02522	2.5	3.175	22	38
HN2A-LH-03106	3.175	3.175	6	38
HN2A-LH-03108	3.175	3.175	8	38
HN2A-LH-03110	3.175	3.175	10	38
HN2A-LH-03112	3.175	3.175	12	38
HN2A-LH-03115	3.175	3.175	15	38
HN2A-LH-03117	3.175	3.175	17	38
HN2A-LH-03120	3.175	3.175	20	45
HN2A-LH-03122	3.175	3.175	22	45
HN2A-LH-03125	3.175	3.175	25	50
HN2A-LH-03128	3.175	3.175	28	50
HN2A-LH-03132	3.175	3.175	32	55
HN2A-LH-04008	4	4	8	45
HN2A-LH-04010	4	4	10	45
HN2A-LH-04012	4	4	12	45
HN2A-LH-04015	4	4	15	45
HN2A-LH-04017	4	4	17	45

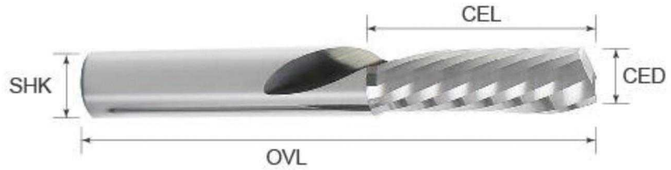
HN2A-LH SOLID CARBIDE SINGLE-EDGED LEFT HELICAL MILLING CUTTER



Order NO.	d	D	l	L
HN2A-LH-04022	4	4	22	45
HN2A-LH-04025	4	4	25	50
HN2A-LH-04028	4	4	28	50
HN2A-LH-04032	4	4	32	55
HN2A-LH-05012	5	5	12	50
HN2A-LH-05015	5	5	15	50
HN2A-LH-05017	5	5	17	50
HN2A-LH-05022	5	5	22	50
HN2A-LH-05025	5	5	25	50
HN2A-LH-05028	5	5	28	55
HN2A-LH-05032	5	5	32	55
HN2A-LH-03012-D6	3	6	12	50
HN2A-LH-03022-D6	3	6	22	50
HN2A-LH-04012-D6	4	6	12	50
HN2A-LH-04022-D6	4	6	22	50
HN2A-LH-0522	5	6	22	50
HN2A-LH-0612	6	6	12	50

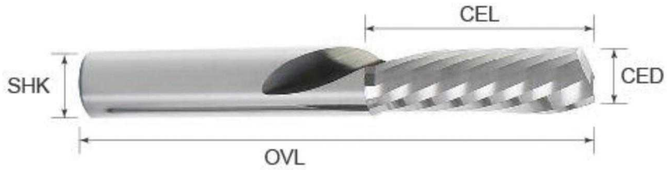
HNCARBIDE

HN2A-LH SOLID CARBIDE SINGLE-EDGED LEFT HELICAL MILLING CUTTER



Order NO.	d	D	l	L
HN2A-LH-0615	6	6	15	50
HN2A-LH-06017	6	6	17	50
HN2A-LH-06022	6	6	22	50
HN2A-LH-06022-L60	6	6	22	60
HN2A-LH-06025	6	6	25	50
HN2A-LH-06025-L60	6	6	25	60
HN2A-LH-06028	6	6	28	60
HN2A-LH-06032	6	6	32	60
HN2A-LH-06035	6	6	35	65
HN2A-LH-06042	6	6	42	70
HN2A-LH-08022	8	8	22	60
HN2A-LH-08025	8	8	25	60
HN2A-LH-08032	8	8	32	65
HN2A-LH-08035	8	8	35	70
HN2A-LH-08042	8	8	42	75
HN2A-LH-10032	10	10	32	75
HN2A-LH-10042	10	10	42	85

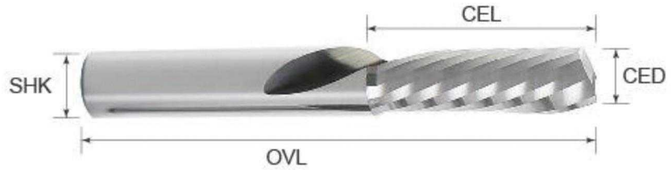
HN3A-LH SOLID CARBIDE SINGLE-EDGED LEFT HELICAL MILLING CUTTER



Order NO.	d	D	l	L
HN3A-LH-01003	1	3.175	3	38
HN3A-LH-01504	1.5	3.175	4	38
HN3A-LH-01507	1.5	3.175	7	38
HN3A-LH-01512	1.5	3.175	12	38
HN3A-LH-02004	2	3.175	4	38
HN3A-LH-02006	2	3.175	6	38
HN3A-LH-02008	2	3.175	8	38
HN3A-LH-02010	2	3.175	10	38
HN3A-LH-02012	2	3.175	12	38
HN3A-LH-02015	2	3.175	15	38
HN3A-LH-02017	2	3.175	17	38
HN3A-LH-02022	2	3.175	22	45
HN3A-LH-02504	2.5	3.175	4	38
HN3A-LH-02506	2.5	3.175	6	38
HN3A-LH-02508	2.5	3.175	8	38
HN3A-LH-02510	2.5	3.175	10	38
HN3A-LH-02512	2.5	3.175	12	38
HN3A-LH-02515	2.5	3.175	15	38

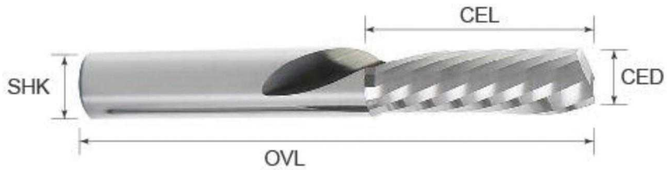
HNCARBIDE

HN3A-LH SOLID CARBIDE SINGLE-EDGED LEFT HELICAL MILLING CUTTER



Order NO.	d	D	l	L
HN3A-LH-02517	2.5	3.175	17	38
HN3A-LH-02522	2.5	3.175	22	45
HN3A-LH-03106	3.175	3.175	6	38
HN3A-LH-03108	3.175	3.175	8	38
HN3A-LH-03110	3.175	3.175	10	38
HN3A-LH-03112	3.175	3.175	12	38
HN3A-LH-03115	3.175	3.175	15	38
HN3A-LH-03117	3.175	3.175	17	38
HN3A-LH-03120	3.175	3.175	20	45
HN3A-LH-03122	3.175	3.175	22	45
HN3A-LH-03125	3.175	3.175	25	50
HN3A-LH-03128	3.175	3.175	28	50
HN3A-LH-03132	3.175	3.175	32	55
HN3A-LH-04008	4	4	8	45
HN3A-LH-04010	4	4	10	45
HN3A-LH-04012	4	4	12	45
HN3A-LH-04015	4	4	15	45
HN3A-LH-04017	4	4	17	45

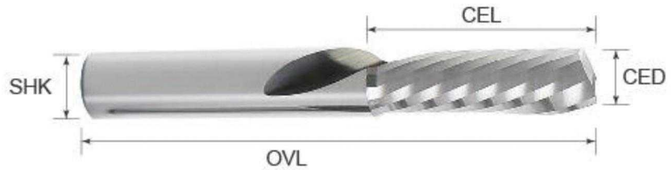
HN3A-LH SOLID CARBIDE SINGLE-EDGED LEFT HELICAL MILLING CUTTER



Order NO.	d	D	l	L
HN3A-LH-04022	4	4	22	45
HN3A-LH-04025	4	4	25	50
HN3A-LH-04028	4	4	28	50
HN3A-LH-04032	4	4	32	55
HN3A-LH-05012	5	5	12	50
HN3A-LH-05015	5	5	15	50
HN3A-LH-05017	5	5	17	50
HN3A-LH-05022	5	5	22	50
HN3A-LH-05025	5	5	25	50
HN3A-LH-05028	5	5	28	60
HN3A-LH-05032	5	5	32	60
HN3A-LH-06012	6	6	12	50
HN3A-LH-06015	6	6	15	50
HN3A-LH-06017	6	6	17	50
HN3A-LH-06022	6	6	22	50
HN3A-LH-06022-l6	6	6	22	60
HN3A-LH-06025	6	6	25	50
HN3A-LH-06025-l6	6	6	25	60

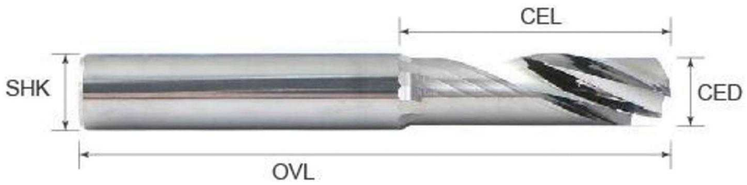
HNCARBIDE

HN3A-LH SOLID CARBIDE SINGLE-EDGED LEFT HELICAL MILLING CUTTER



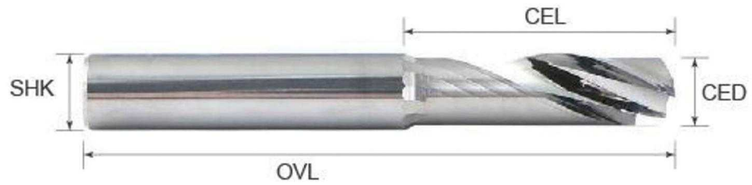
Order NO.	d	D	l	L
HN3A-LH-06028	6	6	28	60
HN3A-LH-06032	6	6	32	60
HN3A-LH-06035	6	6	35	65
HN3A-LH-06042	6	6	42	75
HN3A-LH-08022	8	8	22	60
HN3A-LH-08025	8	8	25	60
HN3A-LH-08032	8	8	32	65
HN3A-LH-08042	8	8	42	75
HN3A-LH-08055	8	8	55	100
HN3A-LH-10025	10	10	25	60
HN3A-LH-10032	10	10	32	75
HN3A-LH-10035	10	10	35	75
HN3A-LH-10042	10	10	42	85
HN3A-LH-10055	10	10	55	100
HN3A-LH-12035	12	12	35	75
HN3A-LH-12045	12	12	45	90
HN3A-LH-12055	12	12	55	100

HN2A-Al ONE FLUTE SPIRAL BITS FOR ALUMINUM



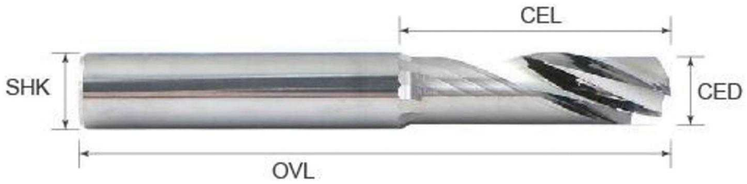
Order NO.	d	D	l	L
HN2A-Al-03008	3	3	8	38
HN2A-Al-03012	3	3	12	38
HN2A-Al-03015	3	3	15	38
HN2A-Al-03017	3	3	17	38
HN2A-Al-01003	1	3.175	3	38
HN2A-Al-01204	1.2	3.175	4	38
HN2A-Al-01505	1.5	3.175	5	38
HN2A-Al-01507	1.5	3.175	7	38
HN2A-Al-02004	2	3.175	4	38
HN2A-Al-02006	2	3.175	6	38
HN2A-Al-02008	2	3.175	8	38
HN2A-Al-02010	2	3.175	10	38
HN2A-Al-02012	2	3.175	12	38
HN2A-Al-02504	2.5	3.175	4	38
HN2A-Al-02506	2.5	3.175	6	38
HN2A-Al-02508	2.5	3.175	8	38

HN2A-Al ONE FLUTE SPIRAL BITS FOR ALUMINUM



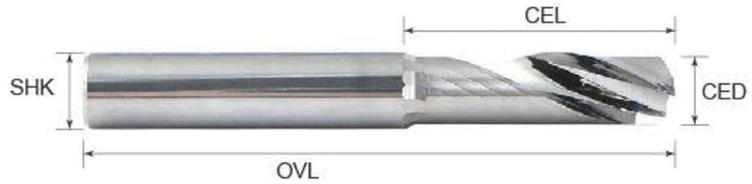
Order NO.	d	D	l	L
HN2A-Al-02510	2.5	3.175	10	38
HN2A-Al-02512	2.5	3.175	12	38
HN2A-Al-03106	3.175	3.175	6	38
HN2A-Al-03107	3.175	3.175	7	38
HN2A-Al-03108	3.175	3.175	8	38
HN2A-Al-03110	3.175	3.175	10	38
HN2A-Al-03112	3.175	3.175	12	38
HN2A-Al-03115	3.175	3.175	15	38
HN2A-Al-03117	3.175	3.175	17	38
HN2A-Al-03122	3.175	3.175	22	38
HN2A-Al-04008	4	4	8	45
HN2A-Al-04010	4	4	10	45
HN2A-Al-04012	4	4	12	45
HN2A-Al-04015	4	4	15	45
HN2A-Al-04017	4	4	17	45
HN2A-Al-04022	4	4	22	45

HN2A-Al ONE FLUTE SPIRAL BITS FOR ALUMINUM



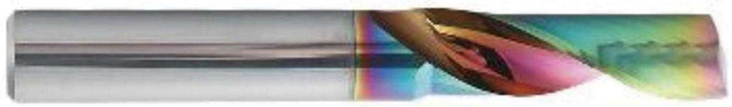
Order NO.	d	D	l	L
HN2A-Al-05012	5	5	12	50
HN2A-Al-05015	5	5	15	50
HN2A-Al-05017	5	5	17	50
HN2A-Al-05022	5	5	22	50
HN2A-Al-05025	5	5	25	50
HN2A-Al-05028	5	5	28	50
HN2A-Al-05032	5	5	32	50
HN2A-Al-03012-D6	3	6	12	50
HN2A-Al-04012-D6	4	6	12	50
HN2A-Al-04017-D6	4	6	17	50
HN2A-Al-05022-D6	5	6	22	50
HN2A-Al-06012	6	6	12	50
HN2A-Al-06015	6	6	15	50
HN2A-Al-06017	6	6	17	50
HN2A-Al-06022	6	6	22	50

HN2A-Al ONE FLUTE SPIRAL BITS FOR ALUMINUM



Order NO.	d	D	l	L
HN2A-Al-06025	6	6	25	50
HN2A-Al-06028	6	6	28	50
HN2A-Al-06032	6	6	32	60
HN2A-Al-06035	6	6	35	60
HN2A-Al-06042	6	6	42	70
HN2A-Al-08022	8	8	22	60
HN2A-Al-08025	8	8	25	60
HN2A-Al-08032	8	8	32	65
HN2A-Al-08042	8	8	42	75
HN2A-Al-10025	10	10	25	65
HN2A-Al-10032	10	10	32	75
HN2A-Al-10042	10	10	42	85
HN2A-Al-12035	12	12	35	75
HN2A-Al-12042	12	12	42	90

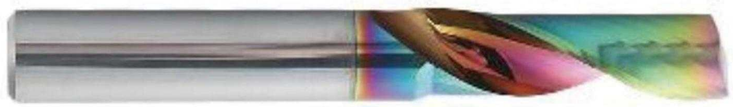
HN2A-Al ONE FLUTE SPIRAL BITS FOR ALUMINUM WITH DLC COATING



Order NO.	d	D	l	L
HN2A-Al-03008-C	3	3	8	38
HN2A-Al-01003-C	1	3.175	3	38
HN2A-Al-01505-C	1.5	3.175	5	38
HN2A-Al-02004-C	2	3.175	4	38
HN2A-Al-02006-C	2	3.175	6	38
HN2A-Al-02008-C	2	3.175	8	38
HN2A-Al-02504-C	2.5	3.175	4	38
HN2A-Al-02506-C	2.5	3.175	6	38
HN2A-Al-02508-C	2.5	3.175	8	38
HN2A-Al-03106-C	3.175	3.175	6	38
HN2A-Al-03107-C	3.175	3.175	7	38
HN2A-Al-03112-C	3.175	3.175	12	38

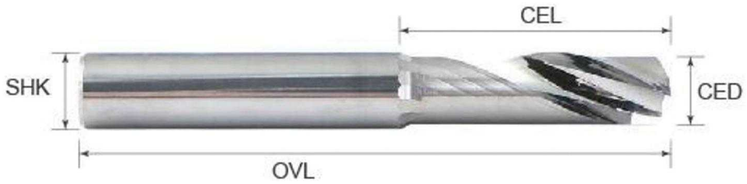
HNCARBIDE

HN2A-Al ONE FLUTE SPIRAL BITS FOR ALUMINUM WITH DLC COATING



Order NO.	d	D	l	L
HN2A-Al-03117-C	3.175	3.175	17	38
HN2A-Al-04008-C	4	4	8	45
HN2A-Al-04010-C	4	4	10	45
HN2A-Al-04012-C	4	4	12	45
HN2A-Al-04015-C	4	4	15	45
HN2A-Al-04017-C	4	4	17	45
HN2A-Al-04022-C	4	4	22	45
HN2A-Al-05017-C	5	5	17	50
HN2A-Al-06012-C	6	6	12	50
HN2A-Al-06015-C	6	6	15	50
HN2A-Al-06017-C	6	6	17	50
HN2A-Al-06022-C	6	6	22	50

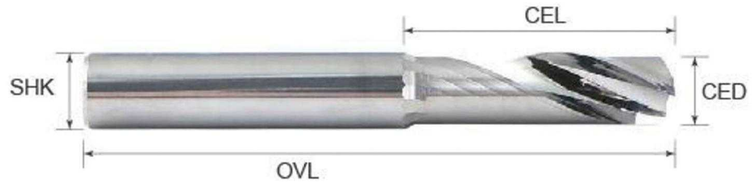
HN3A-Al ONE FLUTE SPIRAL BITS FOR ALUMINUM



Order NO.	d	D	l	L
HN3A-Al-01003	1	3.175	3	38
HN3A-Al-01505	1.5	3.175	5	38
HN3A-Al-01507	1.5	3.175	7	38
HN3A-Al-02004	2	3.175	4	38
HN3A-Al-02006	2	3.175	6	38
HN3A-Al-02008	2	3.175	8	38
HN3A-Al-02010	2	3.175	10	38
HN3A-Al-02012	2	3.175	12	38
HN3A-Al-02504	2.5	3.175	4	38
HN3A-Al-02506	2.5	3.175	6	38
HN3A-Al-02508	2.5	3.175	8	38
HN3A-Al-02512	2.5	3.175	12	38

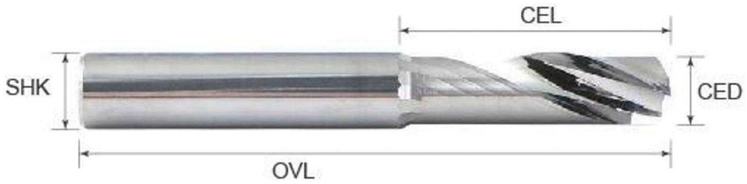
HNCARBIDE

HN3A-Al ONE FLUTE SPIRAL BITS FOR ALUMINUM



Order NO.	d	D	l	L
HN3A-Al-03106	3.175	3.175	6	38
HN3A-Al-03107	3.175	3.175	7	38
HN3A-Al-03108	3.175	3.175	8	38
HN3A-Al-03110	3.175	3.175	10	38
HN3A-Al-03112	3.175	3.175	12	38
HN3A-Al-03115	3.175	3.175	15	38
HN3A-Al-03117	3.175	3.175	17	38
HN3A-Al-04008	4	4	8	45
HN3A-Al-04010	4	4	10	45
HN3A-Al-04012	4	4	12	45
HN3A-Al-04015	4	4	15	45
HN3A-Al-04017	4	4	17	45

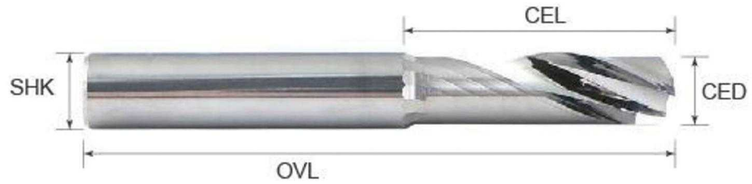
HN3A-Al ONE FLUTE SPIRAL BITS FOR ALUMINUM



Order NO.	d	D	l	L
HN3A-Al-04022	4	4	22	45
HN3A-Al-05012	5	5	12	50
HN3A-Al-05015	5	5	15	50
HN3A-Al-05017	5	5	17	50
HN3A-Al-05022	5	5	22	50
HN3A-Al-05025	5	5	25	50
HN3A-Al-05028	5	5	28	60
HN3A-Al-05032	5	5	32	60
HN3A-Al-06012	6	6	12	50
HN3A-Al-06015	6	6	15	50
HN3A-Al-06017	6	6	17	50
HN3A-Al-06022	6	6	22	50

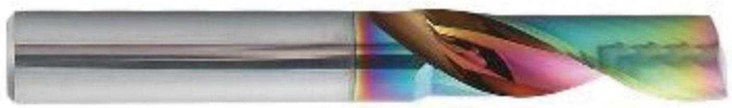
HNCARBIDE

HN3A-Al ONE FLUTE SPIRAL BITS FOR ALUMINUM



Order NO.	d	D	l	L
HN3A-Al-04022	4	4	22	45
HN3A-Al-05012	5	5	12	50
HN3A-Al-05015	5	5	15	50
HN3A-Al-05017	5	5	17	50
HN3A-Al-05022	5	5	22	50
HN3A-Al-05025	5	5	25	50
HN3A-Al-05028	5	5	28	60
HN3A-Al-05032	5	5	32	60
HN3A-Al-06012	6	6	12	50
HN3A-Al-06015	6	6	15	50
HN3A-Al-06017	6	6	17	50
HN3A-Al-06022	6	6	22	50

HN3A-Al ONE FLUTE SPIRAL BITS FOR ALUMINUM WITH DLC COATING



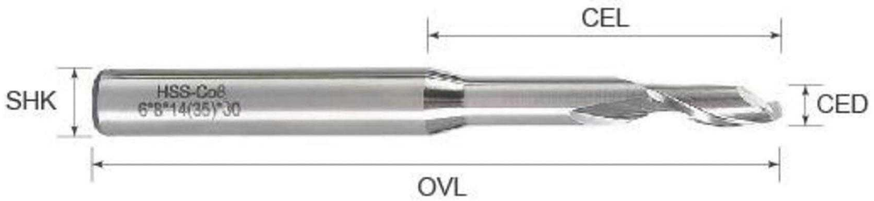
Order NO.	d	D	l	L
HN3A-Al-01003-C	1	3.175	3	38
HN3A-Al-01505-C	1.5	3.175	5	38
HN3A-Al-02004-C	2	3.175	4	38
HN3A-Al-02006-C	2	3.175	6	38
HN3A-Al-02008-C	2	3.175	8	38
HN3A-Al-02504-C	2.5	3.175	4	38
HN3A-Al-02506-C	2.5	3.175	6	38
HN3A-Al-02508-C	2.5	3.175	8	38
HN3A-Al-03106-C	3.175	3.175	6	38
HN3A-Al-03107-C	3.175	3.175	7	38
HN3A-Al-03112-C	3.175	3.175	12	38
HN3A-Al-03117-C	3.175	3.175	17	38
HN3A-Al-04008-C	4	4	8	45
HN3A-Al-04010-C	4	4	10	45
HN3A-Al-04012-C	4	4	12	45

HNCARBIDE

HN3A-Al ONE FLUTE SPIRAL BITS FOR ALUMINUM WITH DLC COATING

Order NO.	d	D	l	L
HN3A-Al-04015-C	4	4	15	45
HN3A-Al-04017-C	4	4	17	45
HN3A-Al-04022-C	4	4	22	45
HN3A-Al-05017-C	5	5	17	50
HN3A-Al-06012-C	6	6	12	50
HN3A-Al-06015-C	6	6	15	50
HN3A-Al-06017-C	6	6	17	50
HN3A-Al-06022-C	6	6	22	50
HN3A-Al-08022-C	8	8	22	60
HN3A-Al-08025-C	8	8	25	60
HN3A-Al-10032-C	10	10	32	75
HN3A-Al-10042-C	10	10	42	85
HN3A-Al-12035-C	12	12	35	75
HN3A-Al-12045-C	12	12	45	90

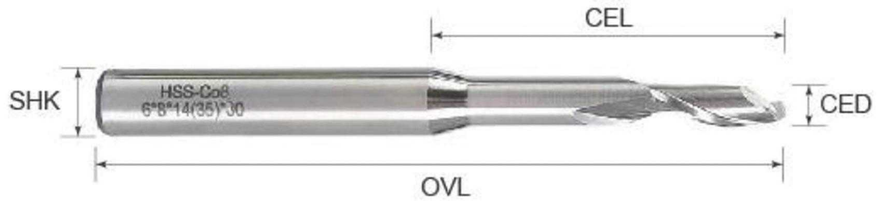
HNHSS-FAA ONE FLUTE SPIRAL BITS NACHI-HSS MATERIAL FOR ALUMINUM ALLOY



Order NO.	d	D	H	l	L
HNHSS-FAA-03012	3	8	——	12	60
HNHSS-FAA-04012	4	8	——	12	60
HNHSS-FAA-05014	5	8	——	14	60
HNHSS-FAA-06014	6	8	——	14	60
HNHSS-FAA-07014	7	8	——	14	60
HNHSS-FAA-04114L	4	8	35	14	80
HNHSS-FAA-05114L	5	8	35	14	80
HNHSS-FAA-06114L	6	8	35	14	80
HNHSS-FAA-07114L	7	8	35	14	80
HNHSS-FAA-08014	8	8	——	14	80
HNHSS-FAA-08020	8	8	——	20	80
HNHSS-FAA-08024	8	8	——	24	80

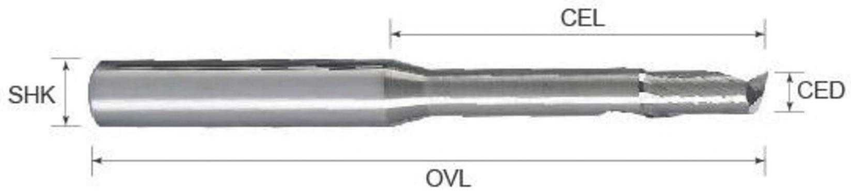
HNCARBIDE

HNHSS-FAA ONE FLUTE SPIRAL BITS NACHI-HSS MATERIAL FOR ALUMINUM ALLOY



Order NO.	d	D	H	l	L
HNHSS-FAA-05116XL	5	8	45	16	100
HNHSS-FAA-06116XL	6	8	45	16	100
HNHSS-FAA-08016L	8	8	——	16	100
HNHSS-FAA-08030L	8	8	——	30	100
HNHSS-FAA-08130L	8	8	60	30	100
HNHSS-FAA-08030XL	8	8	——	30	120
HNHSS-FAA-100	10	10	——	14	80
HNHSS-FAA-100L	10	10	——	30	100
HNHSS-FAA-100XL	10	10	——	30	120
HNHSS-FAA-120L	12	12	——	30	100
HNHSS-FAA-120XL	12	12	——	30	120

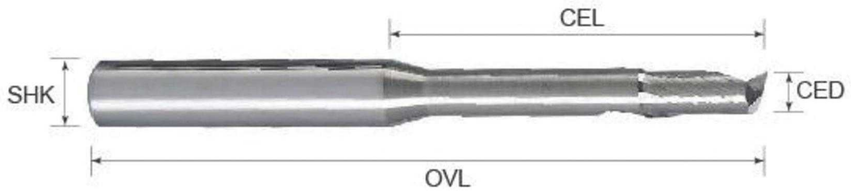
HNM42-FAA ONE FLUTE SPIRAL BITS M42 MATERIAL FOR ALUMINUM ALLOY



Order NO.	d	D	H	l	L
HNM42-FAA-03012	3	8	——	12	60
HNM42-FAA-04012	4	8	——	12	60
HNM42-FAA-05012	5	8	——	12	60
HNM42-FAA-06014	6	8	——	14	60
HNM42-FAA-07014	7	8	——	14	60
HNM42-FAA-04114L	4	8	35	14	80
HNM42-FAA-05114L	5	8	35	14	80
HNM42-FAA-05118L	5	8	35	18	80
HNM42-FAA-06114L	6	8	35	14	80
HNM42-FAA-07114L	7	8	35	14	80
HNM42-FAA-08014	8	8	——	14	80
HNM42-FAA-08020	8	8	——	20	80
HNM42-FAA-08024	8	8	——	24	80

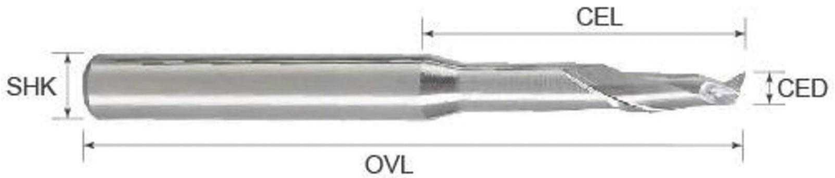
HNCARBIDE

HNM42-FAA ONE FLUTE SPIRAL BITS M42 MATERIAL FOR ALUMINUM ALLOY



Order NO.	d	D	H	l	L
HNM42-FAA-05116XL	5	8	45	16	100
HNM42-FAA-06116XL	6	8	45	16	100
HNM42-FAA-06120XL	6	8	45	20	100
HNM42-FAA-08016L	8	8	——	16	100
HNM42-FAA-08030L	8	8	——	30	100
HNM42-FAA-08130L	8	8	60	30	100
HNM42-FAA-08030XL	8	8	——	30	120
HNM42-FAA-100	10	10	——	14	80
HNM42-FAA-100L	10	10	——	30	100
HNM42-FAA-100XL-l16	10	10	——	16	120
HNM42-FAA-100XL	10	10	——	30	120
HNM42-FAA-120L	12	12	——	30	100
HNM42-FAA-120XL	12	12	——	30	120

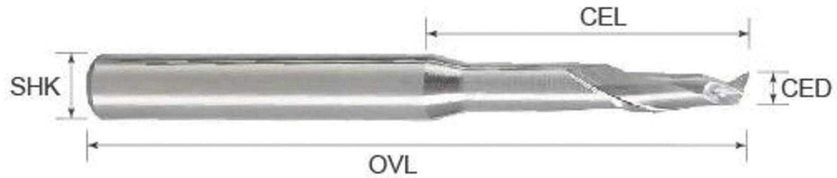
HNK44-FAA ONE FLUTE SPIRAL BITS AK44 MATERIAL FOR ALUMINUM ALLOY



Order NO.	d	D	H	l	L
HNK44-FAA-03012	3	8	——	12	60
HNK44-FAA-04012	4	8	——	12	60
HNK44-FAA-05014	5	8	——	14	60
HNK44-FAA-06014	6	8	——	14	60
HNK44-FAA-07014	7	8	——	14	60
HNK44-FAA-04014	4	8	——	14	80
HNK44-FAA-05014XL	5	8	——	14	80
HNK44-FAA-06014XL	6	8	——	14	80
HNK44-FAA-07014XL	7	8	——	14	80
HNK44-FAA-04114L	4	8	35	14	80
HNK44-FAA-05114L	5	8	35	14	80
HNK44-FAA-06114L	6	8	35	14	80
HNK44-FAA-07114L	7	8	35	14	80
HNK44-FAA-08014	8	8	——	14	80
HNK44-FAA-08020	8	8	——	20	80
HNK44-FAA-05016	5	8	——	16	100
HNK44-FAA-06016	6	8	——	16	100
HNK44-FAA-04116XL	4	8	45	16	100

HNCARBIDE

HNK44-FAA ONE FLUTE SPIRAL BITS AK44 MATERIAL FOR ALUMINUM ALLOY



Order NO.	d	D	H	l	L
HNK44-FAA-05116XL	5	8	45	16	100
HNK44-FAA-05116XL-60	5	8	60	16	100
HNK44-FAA-05120XL	5	8	45	20	100
HNK44-FAA-06116XL	6	8	45	16	100
HNK44-FAA-06116XXL	6	8	60	16	100
HNK44-FAA-06120XL	6	8	45	20	100
HNK44-FAA-06130XL	6	8	50	30	100
HNK44-FAA-08130XL	8	8	60	30	100
HNK44-FAA-08016L	8	8	——	16	100
HNK44-FAA-08030L	8	8	——	30	100
HNK44-FAA-08045L	8	8	——	45	100
HNK44-FAA-08130XXL	8	8	80	30	100
HNK44-FAA-08030XL	8	8	——	30	120
HNK44-FAA-100L	10	10	——	30	100
HNK44-FAA-100XL	10	10	——	30	120
HNK44-FAA-120XL	12	12	——	30	120
HNK44-FAA-100	10	10	——	14	80

HNK44-FAA ONE FLUTE SPIRAL BITS AK44 MATERIAL FOR ALUMINUM ALLOY WITH DLC COATING

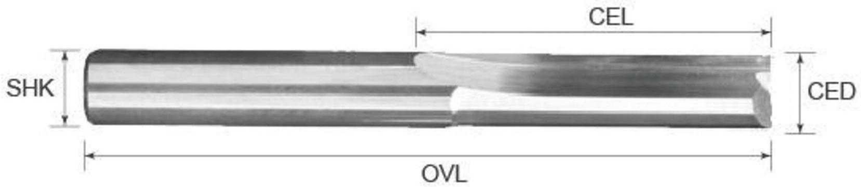
Order NO.	d	D	H	l	L
HNK44-FAA-03012-C	3	8	——	12	60
HNK44-FAA-04012-C	4	8	——	12	60
HNK44-FAA-05014-C	5	8	——	14	60
HNK44-FAA-06014-C	6	8	——	14	60
HNK44-FAA-07014-C	7	8	——	14	60
HNK44-FAA-04014L-C	4	8	——	14	80
HNK44-FAA-05014L-C	5	8	——	14	80
HNK44-FAA-06014L-C	6	8	——	14	80
HNK44-FAA-07014L-C	7	8	——	14	80
HNK44-FAA-04114L-C	4	8	35	14	80
HNK44-FAA-05114L-C	5	8	35	14	80
HNK44-FAA-06114L-C	6	8	35	14	80
HNK44-FAA-07114L-C	7	8	35	14	80
HNK44-FAA-08014-C	8	8	——	14	80
HNK44-FAA-08020-C	8	8	——	20	80
HNK44-FAA-08030-C	8	8	——	30	80
HNK44-FAA-04016XL-C	4	8	——	16	100
HNK44-FAA-05016XL-C	5	8	——	16	100
HNK44-FAA-06016XL-C	6	8	——	16	100
HNK44-FAA-04116XL-C	4	8	45	16	100
HNK44-FAA-05116XL-C	5	8	45	16	100

HNCARBIDE

HNK44-FAA ONE FLUTE SPIRAL BITS AK44 MATERIAL FOR ALUMINUM ALLOY WITH DLC COATING

Order NO.	d	D	H	l	L
HNK44-FAA-05116XXL-C	5	8	60	16	100
HNK44-FAA-05120XL-C	5	8	45	20	100
HNK44-FAA-06116XL-C	6	8	45	16	100
HNK44-FAA-06116XXL-C	6	8	60	16	100
HNK44-FAA-06120XL-C	6	8	45	20	100
HNK44-FAA-06130XL-C	6	8	50	30	100
HNK44-FAA-08030L-H60-C	8	8	60	30	100
HNK44-FAA-08016L-C	8	8	——	16	100
HNK44-FAA-08030L-C	8	8	——	30	100
HNK44-FAA-08045L-C	8	8	——	45	100
HNK44-FAA-0803080L-C	8	8	80	30	120
HNK44-FAA-08030XL-C	8	8	——	30	120
HNK44-FAA-100-C	10	10	——	16	80
HNK44-FAA-1003065L-C	10	10	65	30	100
HNK44-FAA-100L-C	10	10	——	30	100
HNK44-FAA-100L-C-40	10	10	——	40	100
HNK44-FAA-100XL-C	10	10	——	30	120
HNK44-FAA-100XL-C-40	10	10	——	40	120
HNK44-FAA-120L-C	12	12	——	30	100
HNK44-FAA-120XL-C	12	12	——	30	120
HNK44-FAA-120XL-C-40	12	12	——	40	120

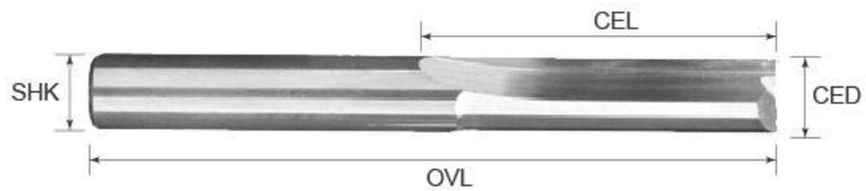
HN1A-SF2 CARBIDE STRAIGHT BITS 2FLUTES



Order NO.	d	D	l	L
HN1A-SF2-00804	0.8	3.175	4	38
HN1A-SF2-01003	1	3.175	3	38
HN1A-SF2-01005	1	3.175	5	38
HN1A-SF2-01504	1.5	3.175	4	38
HN1A-SF2-01507	1.5	3.175	7	38
HN1A-SF2-01512	1.5	3.175	12	38
HN1A-SF2-02006	2	3.175	6	38
HN1A-SF2-02008	2	3.175	8	38
HN1A-SF2-02010	2	3.175	10	38
HN1A-SF2-02012	2	3.175	12	38
HN1A-SF2-02015	2	3.175	15	38
HN1A-SF2-02017	2	3.175	17	38
HN1A-SF2-02022	2	3.175	22	45
HN1A-SF2-02508	2.5	3.175	8	38
HN1A-SF2-02510	2.5	3.175	10	38
HN1A-SF2-02512	2.5	3.175	12	38

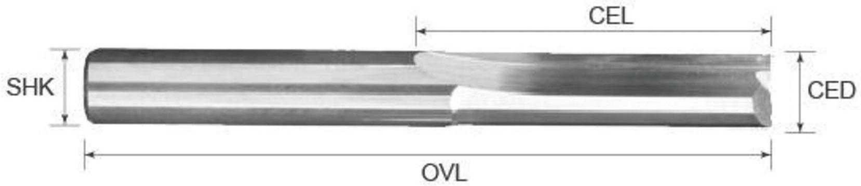
HNCARBIDE

HN1A-SF2 CARBIDE STRAIGHT BITS 2FLUTES



Order NO.	d	D	l	L
HN1A-SF2-02515	2.5	3.175	15	38
HN1A-SF2-02517	2.5	3.175	17	38
HN1A-SF2-02522	2.5	3.175	22	38
HN1A-SF2-03108	3.175	3.175	8	38
HN1A-SF2-03112	3.175	3.175	12	38
HN1A-SF2-03115	3.175	3.175	15	38
HN1A-SF2-03117	3.175	3.175	17	38
HN1A-SF2-03122	3.175	3.175	22	45
HN1A-SF2-03125	3.175	3.175	25	45
HN1A-SF2-03128	3.175	3.175	28	50
HN1A-SF2-03132	3.175	3.175	32	55
HN1A-SF2-04010	4	4	10	45
HN1A-SF2-04012	4	4	12	45
HN1A-SF2-04015	4	4	15	45
HN1A-SF2-04017	4	4	17	45
HN1A-SF2-04022	4	4	22	45

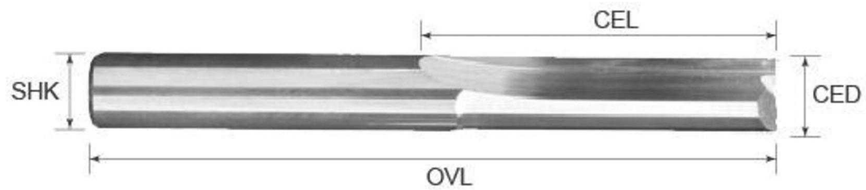
HN1A-SF2 CARBIDE STRAIGHT BITS 2FLUTES



Order NO.	d	D	l	L
HN1A-SF2-04025	4	4	25	45
HN1A-SF2-04028	4	4	28	50
HN1A-SF2-04032	4	4	32	55
HN1A-SF2-04042	4	4	42	65
HN1A-SF2-04052	4	4	52	75
HN1A-SF2-05012	5	5	12	50
HN1A-SF2-05015	5	5	15	50
HN1A-SF2-05017	5	5	17	50
HN1A-SF2-05022	5	5	22	50
HN1A-SF2-05025	5	5	25	50
HN1A-SF2-05028	5	5	28	55
HN1A-SF2-05032	5	5	32	55
HN1A-SF2-05035	5	5	35	65
HN1A-SF2-05042	5	5	42	70
HN1A-SF2-05052	5	5	52	80
HN1A-SF2-02008L	2	6	8	50

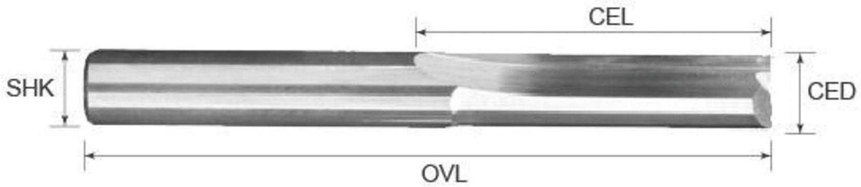
HNCARBIDE

HN1A-SF2 CARBIDE STRAIGHT BITS 2FLUTES



Order NO.	d	D	l	L
HN1A-SF2-03012	3	6	12	50
HN1A-SF2-03015	3	6	15	50
HN1A-SF2-03017	3	6	17	50
HN1A-SF2-03020	3	6	20	50
HN1A-SF2-03022	3	6	22	50
HN1A-SF2-0311206	3.175	6	12	50
HN1A-SF2-0312206	3.175	6	22	50
HN1A-SF2-04012L	4	6	12	50
HN1A-SF2-04018L	4	6	18	50
HN1A-SF2-04022L	4	6	22	50
HN1A-SF2-05022L	5	6	22	50
HN1A-SF2-06012	6	6	12	50
HN1A-SF2-06015	6	6	15	50
HN1A-SF2-06017	6	6	17	50
HN1A-SF2-06022	6	6	22	50
HN1A-SF2-06025	6	6	25	50

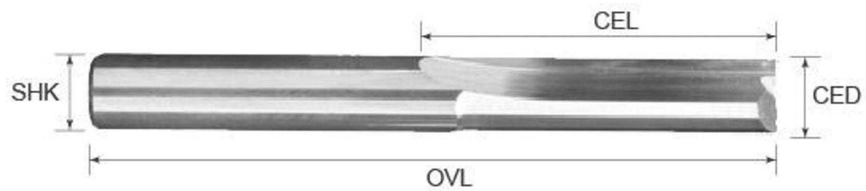
HN1A-SF2 CARBIDE STRAIGHT BITS 2FLUTES



Order NO.	d	D	l	L
HN1A-SF2-06028	6	6	28	60
HN1A-SF2-06032	6	6	32	60
HN1A-SF2-06038	6	6	38	70
HN1A-SF2-06042	6	6	42	70
HN1A-SF2-06052	6	6	52	80
HN1A-SF2-06062	6	6	62	100
HN1A-SF2-06072	6	6	72	100
HN1A-SF2-08022	8	8	22	50
HN1A-SF2-08025	8	8	25	60
HN1A-SF2-08028	8	8	28	60
HN1A-SF2-08032	8	8	32	60
HN1A-SF2-08035	8	8	35	70
HN1A-SF2-08038	8	8	38	75
HN1A-SF2-08042	8	8	42	75
HN1A-SF2-08052	8	8	52	90

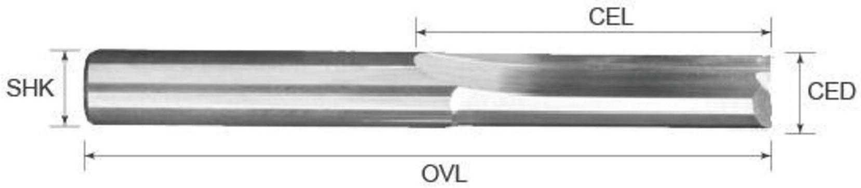
HNCARBIDE

HN1A-SF2 CARBIDE STRAIGHT BITS 2FLUTES



Order NO.	d	D	l	L
HN1A-SF2-08062	8	8	62	100
HN1A-SF2-08072	8	8	72	120
HN1A-SF2-08100	8	8	100	150
HN1A-SF2-10032	10	10	32	75
HN1A-SF2-10042	10	10	42	85
HN1A-SF2-10052	10	10	52	100
HN1A-SF2-10062	10	10	62	110
HN1A-SF2-10072	10	10	72	120
HN1A-SF2-10082	10	10	82	120
HN1A-SF2-10105	10	10	105	150
HN1A-SF2-12052	12	12	52	100
HN1A-SF2-12062	12	12	62	100
HN1A-SF2-12072	12	12	72	120
HN1A-SF2-12082	12	12	82	120
HN1A-SF2-12100	12	12	100	150

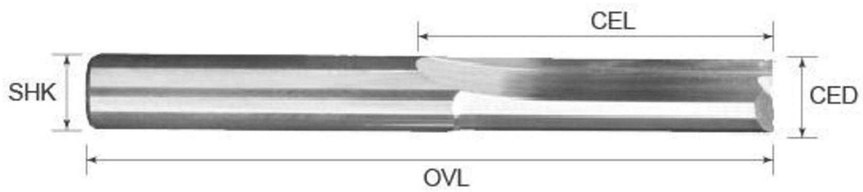
HN2A-SR2 TWO STRAIGHT SLOT RADIUSED BOTTOM ENGRAVING BITS



Order NO.	d	D	l	L
HN2A-SR2-01030	1	6	30	50
HN2A-SR2-01530	1.5	6	30	50
HN2A-SR2-02030	2	6	30	50
HN2A-SR2-03030	3	6	30	50
HN2A-SR2-04030	4	6	30	50
HN2A-SR2-01038	1	6	38	60
HN2A-SR2-01538	1.5	6	38	60
HN2A-SR2-02038	2	6	38	60
HN2A-SR2-03038	3	6	38	60
HN2A-SR2-04038	4	6	38	60
HN2A-SR2-01045	1	6	45	70
HN2A-SR2-01545	1.5	6	45	70
HN2A-SR2-02045	2	6	45	70
HN2A-SR2-03045	3	6	45	70
HN2A-SR2-04045	4	6	45	70

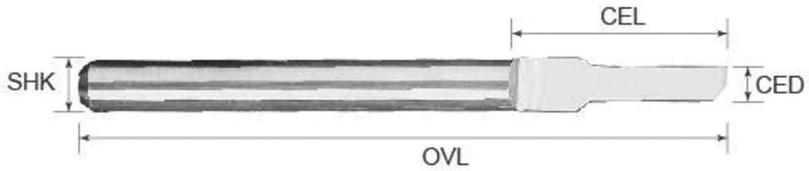
HNCARBIDE

HN2A-SR2 TWO STRAIGHT SLOT RADIUSED BOTTOM ENGRAVING BITS



Order NO.	d	D	l	L
HN2A-SR2-01050	1	6	50	80
HN2A-SR2-01550	1.5	6	50	80
HN2A-SR2-02050	2	6	50	80
HN2A-SR2-03050	3	6	50	80
HN2A-SR2-04050	4	6	50	80
HN2A-SR2-01055	1	6	55	100
HN2A-SR2-01555	1.5	6	55	100
HN2A-SR2-02055	2	6	55	100
HN2A-SR2-3055	3	6	55	100
HN2A-SR2-04055	4	6	55	100
HN2A-SR2-010065	1	6	65	120
HN2A-SR2-015065	1.5	6	65	120
HN2A-SR2-020065	2	6	65	120
HN2A-SR2-030065	3	6	65	120
HN2A-SR2-040065	4	6	65	120

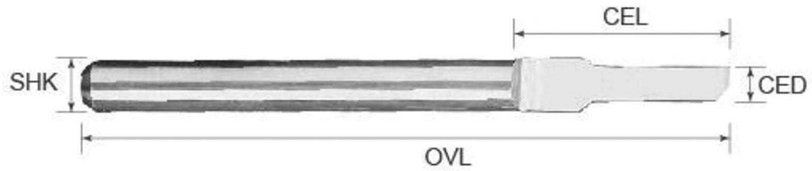
HN1A-SS SOLID CARBIDE SEMI-OPEN SINGLE-EDGED STRAIGHT CUTTER



Order NO.	d	D	l	L
HN1A-SS-31003	3.175	3.5	1	30
HN1A-SS-31204	3.175	4	1.2	30
HN1A-SS-31505	3.175	5	1.5	30
HN1A-SS-32006	3.175	6	2	30
HN1A-SS-32008	3.175	8	2	30
HN1A-SS-32506	3.175	6	2.5	30
HN1A-SS-32508	3.175	8	2.5	30
HN1A-SS-32510	3.175	10	2.5	30
HN1A-SS-33009	3.175	9	3	30
HN1A-SS-33012	3.175	12	3	30

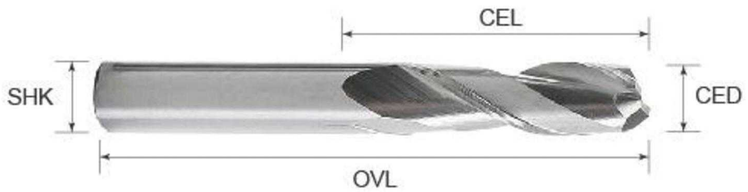
HNCARBIDE

HN2A-SS SOLID CARBIDE SEMI-OPEN SINGLE-EDGED STRAIGHT CUTTER



Order NO.	d	D	l	L
HN2A-SS-31003	3.175	3.5	1	30
HN2A-SS-31204	3.175	4	1.2	30
HN2A-SS-31505	3.175	5	1.5	30
HN2A-SS-32006	3.175	6	2	30
HN2A-SS-32008	3.175	8	2	30
HN2A-SS-32506	3.175	6	2.5	30
HN2A-SS-32508	3.175	8	2.5	30
HN2A-SS-32510	3.175	10	2.5	30
HN2A-SS-33009	3.175	9	3	30
HN2A-SS-33012	3.175	12	3	30

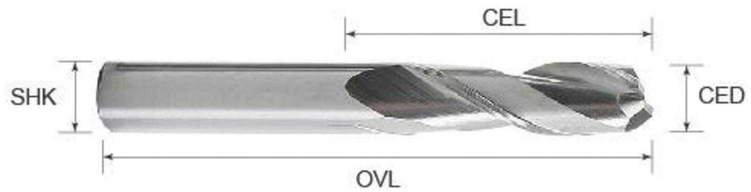
HN1A-FG2 SOLID CARBIDE DOUBLE-EDGED HELICAL MILLING CUTTER FOR GENERAL



Order NO.	d	D	l	L
HN1A-FG2-03108	3.175	3.175	8	38
HN1A-FG2-03112	3.175	3.175	12	38
HN1A-FG2-03115	3.175	3.175	15	38
HN1A-FG2-03117	3.175	3.175	17	38
HN1A-FG2-03122	3.175	3.175	22	38
HN1A-FG2-03125	3.175	3.175	25	45
HN1A-FG2-03128	3.175	3.175	28	45
HN1A-FG2-03132	3.175	3.175	32	50
HN1A-FG2-03142	3.175	3.175	42	70
HN1A-FG2-03152	3.175	3.175	52	80
HN1A-FG2-04010	4	4	10	45
HN1A-FG2-04012	4	4	12	45
HN1A-FG2-04015	4	4	15	45
HN1A-FG2-04017	4	4	17	45
HN1A-FG2-04022	4	4	22	45
HN1A-FG2-04025	4	4	25	45
HN1A-FG2-04028	4	4	28	50

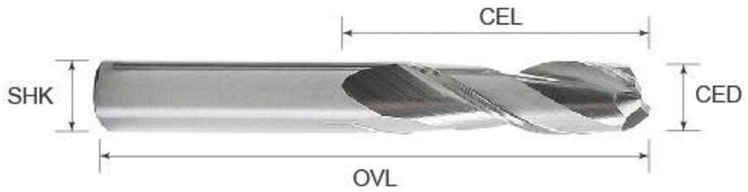
HNCARBIDE

HN1A-FG2 SOLID CARBIDE DOUBLE-EDGED HELICAL MILLING CUTTER FOR GENERAL



Order NO.	d	D	l	L
HN1A-FG2-04032	4	4	32	55
HN1A-FG2-04042	4	4	42	65
HN1A-FG2-04052	4	4	52	75
HN1A-FG2-05012	5	5	12	50
HN1A-FG2-05015	5	5	15	50
HN1A-FG2-05017	5	5	17	50
HN1A-FG2-05022	5	5	22	50
HN1A-FG2-05025	5	5	25	50
HN1A-FG2-05028	5	5	28	55
HN1A-FG2-05032	5	5	32	55
HN1A-FG2-05042	5	5	42	70
HN1A-FG2-05052	5	5	52	80
HN1A-FG2-06012	6	6	12	50
HN1A-FG2-06015	6	6	15	50
HN1A-FG2-06017	6	6	17	50
HN1A-FG2-06022	6	6	22	50
HN1A-FG2-06025	6	6	25	50

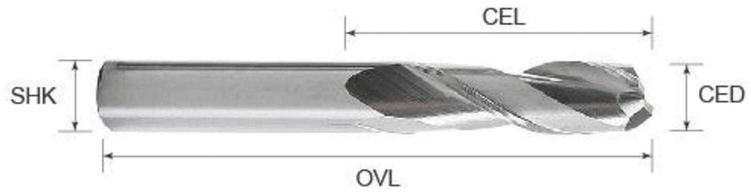
HN1A-FG2 SOLID CARBIDE DOUBLE-EDGED HELICAL MILLING CUTTER FOR GENERAL



Order NO.	d	D	l	L
HN1A-FG2-06028	6	6	28	60
HN1A-FG2-06032	6	6	32	60
HN1A-FG2-06038	6	6	38	70
HN1A-FG2-06042	6	6	42	70
HN1A-FG2-06052	6	6	52	80
HN1A-FG2-06062	6	6	62	100
HN1A-FG2-06072	6	6	72	100
HN1A-FG2-08012	8	8	12	60
HN1A-FG2-08022	8	8	22	60
HN1A-FG2-08025	8	8	25	60
HN1A-FG2-08028	8	8	28	60
HN1A-FG2-08032	8	8	32	60
HN1A-FG2-08035	8	8	35	70
HN1A-FG2-08038	8	8	38	75
HN1A-FG2-08042	8	8	42	75
HN1A-FG2-08052	8	8	52	90

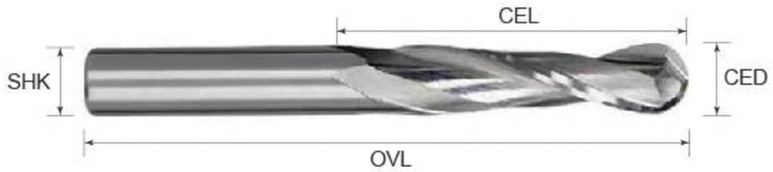
HNCARBIDE

HN1A-FG2 SOLID CARBIDE DOUBLE-EDGED HELICAL MILLING CUTTER FOR GENERAL



Order NO.	d	D	l	L
HN1A-FG2-08062	8	8	62	100
HN1A-FG2-08072	8	8	72	120
HN1A-FG2-08100	8	8	100	150
HN1A-FG2-10032	10	10	32	75
HN1A-FG2-10042	10	10	42	85
HN1A-FG2-10052	10	10	52	100
HN1A-FG2-10062	10	10	62	110
HN1A-FG2-10072	10	10	72	120
HN1A-FG2-10082	10	10	82	130
HN1A-FG2-100105	10	10	105	150
HN1A-FG2-100150	10	10	150	200
HN1A-FG2-12052	12	12	52	100
HN1A-FG2-12062	12	12	62	120
HN1A-FG2-120105	12	12	105	150
HN1A-FG2-120150	12	12	150	200

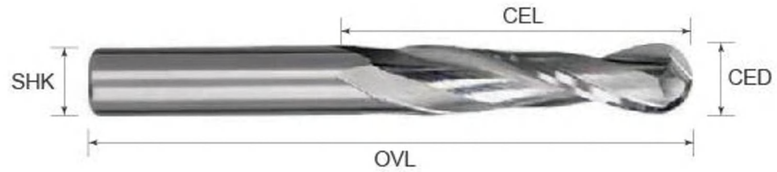
HN1A-BB2 TWO FLUTES SPIRAL BALL BITS



Order NO.	d	D	l	L
HN1A-BB2-00803	0.8	3.175	3	38
HN1A-BB2-008045	0.8	3.175	4.5	38
HN1A-BB2-01004	1	3.175	4	38
HN1A-BB2-01005	1	3.175	5	38
HN1A-BB2-01006	1	3.175	6	38
HN1A-BB2-01008	1	3.175	8	38
HN1A-BB2-01206	1.2	3.175	6	38
HN1A-BB2-01504	1.5	3.175	4	38
HN1A-BB2-01508	1.5	3.175	8	38
HN1A-BB2-015012	1.5	3.175	12	38
HN1A-BB2-02006	2	3.175	6	38
HN1A-BB2-02008	2	3.175	8	38
HN1A-BB2-02010	2	3.175	10	38
HN1A-BB2-02012	2	3.175	12	38
HN1A-BB2-02015	2	3.175	15	38
HN1A-BB2-02017	2	3.175	17	38
HN1A-BB2-02022	2	3.175	22	45
HN1A-BB2-02508	2.5	3.175	8	38
HN1A-BB2-02510	2.5	3.175	10	38
HN1A-BB2-02512	2.5	3.175	12	38
HN1A-BB2-02515	2.5	3.175	15	38
HN1A-BB2-02517	2.5	3.175	17	38

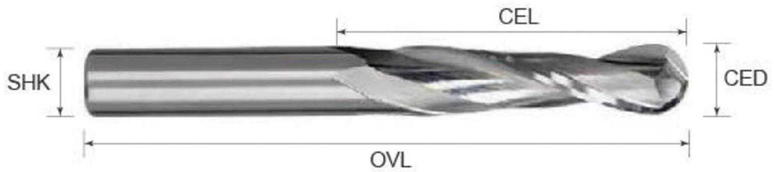
HNCARBIDE

HN1A-BB2 TWO FLUTES SPIRAL BALL BITS



Order NO.	d	D	l	L
HN1A-BB2-02522	2.5	3.175	22	38
HN1A-BB2-03108	3.175	3.175	8	38
HN1A-BB2-03112	3.175	3.175	12	38
HN1A-BB2-03115	3.175	3.175	15	38
HN1A-BB2-03117	3.175	3.175	17	38
HN1A-BB2-03122	3.175	3.175	22	38
HN1A-BB2-03125	3.175	3.175	25	45
HN1A-BB2-03128	3.175	3.175	28	45
HN1A-BB2-03132	3.175	3.175	32	50
HN1A-BB2-03142	3.175	3.175	42	70
HN1A-BB2-03152	3.175	3.175	52	80
HN1A-BB2-04010	4	4	10	45
HN1A-BB2-04012	4	4	12	45
HN1A-BB2-04015	4	4	15	45
HN1A-BB2-04017	4	4	17	45
HN1A-BB2-04022	4	4	22	45
HN1A-BB2-04025	4	4	25	45
HN1A-BB2-04028	4	4	28	50
HN1A-BB2-04032	4	4	32	55
HN1A-BB2-04042	4	4	42	65
HN1A-BB2-04052	4	4	52	75
HN1A-BB2-05012	5	5	12	50

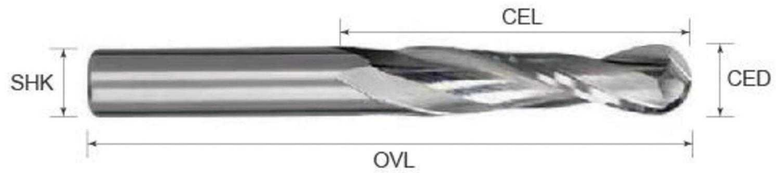
HN1A-BB2 TWO FLUTES SPIRAL BALL BITS



Order NO.	d	D	l	L
HN1A-BB2-05015	5	5	15	50
HN1A-BB2-05017	5	5	17	50
HN1A-BB2-05022	5	5	22	50
HN1A-BB2-05025	5	5	25	50
HN1A-BB2-05028	5	5	28	55
HN1A-BB2-05032	5	5	32	55
HN1A-BB2-05042	5	5	42	70
HN1A-BB2-05052	5	5	52	80
HN1A-BB2-06012	6	6	12	50
HN1A-BB2-06015	6	6	15	50
HN1A-BB2-06017	6	6	17	50
HN1A-BB2-06022	6	6	22	50
HN1A-BB2-06025	6	6	25	50
HN1A-BB2-06028	6	6	28	60
HN1A-BB2-06032	6	6	32	60
HN1A-BB2-06038	6	6	38	70
HN1A-BB2-06042	6	6	42	70
HN1A-BB2-06052	6	6	52	80
HN1A-BB2-06062	6	6	62	100
HN1A-BB2-06072	6	6	72	100
HN1A-BB2-08012	8	8	12	60
HN1A-BB2-08022	8	8	22	60

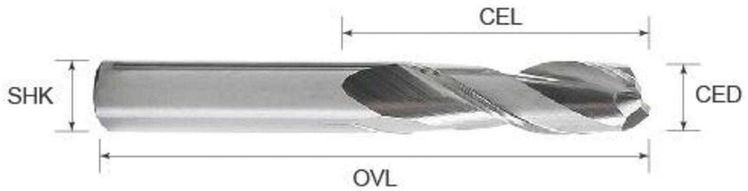
HNCARBIDE

HN1A-BB2 TWO FLUTES SPIRAL BALL BITS



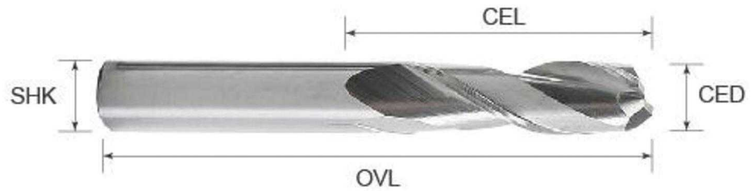
Order NO.	d	D	l	L
HN1A-BB2-08025	8	8	25	60
HN1A-BB2-08028	8	8	28	60
HN1A-BB2-08032	8	8	32	60
HN1A-BB2-08035	8	8	35	70
HN1A-BB2-08038	8	8	38	75
HN1A-BB2-08042	8	8	42	75
HN1A-BB2-08052	8	8	52	90
HN1A-BB2-08062	8	8	62	100
HN1A-BB2-08072	8	8	72	120
HN1A-BB2-08100	8	8	100	150
HN1A-BB2-10032	10	10	32	75
HN1A-BB2-10042	10	10	42	85
HN1A-BB2-10052	10	10	52	100
HN1A-BB2-10062	10	10	62	110
HN1A-BB2-10072	10	10	72	120
HN1A-BB2-10082	10	10	82	130
HN1A-BB2-10105	10	10	105	150
HN1A-BB2-10150	10	10	150	200
HN1A-BB2-12052	12	12	52	100
HN1A-BB2-12062	12	12	62	120
HN1A-BB2-12105	12	12	105	150
HN1A-BB2-12150	12	12	150	200

HN2A-NC2 SOLID CARBIDE DOUBLE-EDGED HELICAL MILLING CUTTER



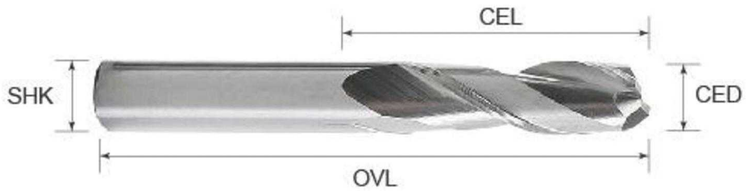
Order NO.	d	D	l	L
HN2A-NC2-005025	0.5	3.175	2.5	38
HN2A-NC2-008030	0.8	3.175	3	38
HN2A-NC2-008045	0.8	3.175	4.5	38
HN2A-NC2-01004	1	3.175	4	38
HN2A-NC2-01005	1	3.175	5	38
HN2A-NC2-01006	1	3.175	6	38
HN2A-NC2-01008	1	3.175	8	38
HN2A-NC2-01206	1.2	3.175	6	38
HN2A-NC2-01504	1.5	3.175	4	38
HN2A-NC2-01508	1.5	3.175	8	38
HN2A-NC2-01512	1.5	3.175	12	38
HN2A-NC2-02006	2	3.175	6	38
HN2A-NC2-02008	2	3.175	8	38

HN2A-NC2 SOLID CARBIDE DOUBLE-EDGED HELICAL MILLING CUTTER



Order NO.	d	D	l	L
HN2A-NC2-02010	2	3.175	10	38
HN2A-NC2-02012	2	3.175	12	38
HN2A-NC2-02015	2	3.175	15	38
HN2A-NC2-02017	2	3.175	17	38
HN2A-NC2-02022	2	3.175	22	45
HN2A-NC2-02508	2.5	3.175	8	38
HN2A-NC2-02510	2.5	3.175	10	38
HN2A-NC2-02512	2.5	3.175	12	38
HN2A-NC2-02515	2.5	3.175	15	38
HN2A-NC2-02517	2.5	3.175	17	38
HN2A-NC2-02522	2.5	3.175	22	45
HN2A-NC2-03108	3.175	3.175	8	38
HN2A-NC2-03112	3.175	3.175	12	38

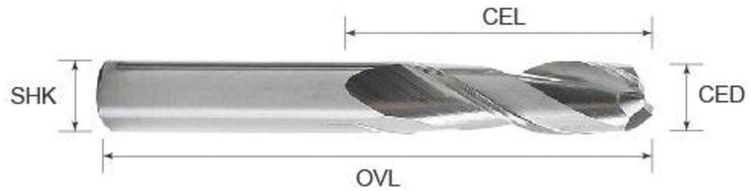
HN2A-NC2 SOLID CARBIDE DOUBLE-EDGED HELICAL MILLING CUTTER



Order NO.	d	D	l	L
HN2A-NC2-03115	3.175	3.175	15	38
HN2A-NC2-03117	3.175	3.175	17	38
HN2A-NC2-03122	3.175	3.175	22	45
HN2A-NC2-03125	3.175	3.175	25	45
HN2A-NC2-03128	3.175	3.175	28	45
HN2A-NC2-03132	3.175	3.175	32	50
HN2A-NC2-04012	4	4	12	45
HN2A-NC2-04015	4	4	15	45
HN2A-NC2-04017	4	4	17	45
HN2A-NC2-04022	4	4	22	45
HN2A-NC2-04025	4	4	25	50
HN2A-NC2-04028	4	4	28	50
HN2A-NC2-04032	4	4	32	55

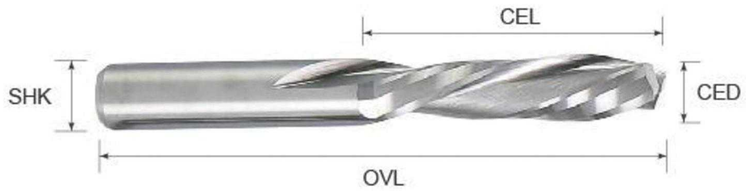
HNCARBIDE

HN2A-NC2 SOLID CARBIDE DOUBLE-EDGED HELICAL MILLING CUTTER



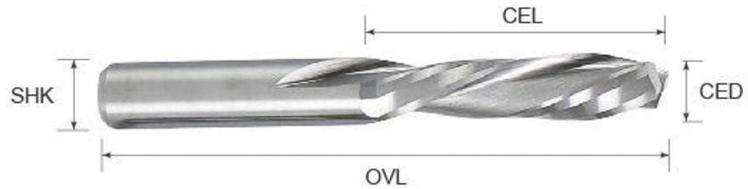
Order NO.	d	D	l	L
HN2A-NC2-05017	5	5	17	50
HN2A-NC2-05022	5	5	22	50
HN2A-NC2-05025	5	5	25	50
HN2A-NC2-05028	5	5	28	55
HN2A-NC2-05032	5	5	32	55
HN2A-NC2-06017	6	6	17	50
HN2A-NC2-06022	6	6	22	50
HN2A-NC2-06025	6	6	25	50
HN2A-NC2-06028	6	6	28	60
HN2A-NC2-06032	6	6	32	60
HN2A-NC2-06038	6	6	38	70
HN2A-NC2-06042	6	6	42	70
HN2A-NC2-06052	6	6	52	80

HN3A-LD2 LEFT ROTATION DOWN CUT TWO FLUTES SPIRAL BITS



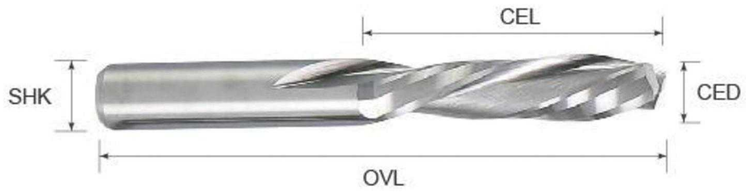
Order NO.	d	D	l	L
HN3A-LD2-01003	1	3.175	3	38
HN3A-LD2-01004	1	3.175	4	38
HN3A-LD2-01507	1.5	3.175	7	38
HN3A-LD2-02006	2	3.175	6	38
HN3A-LD2-02008	2	3.175	8	38
HN3A-LD2-02010	2	3.175	10	38
HN3A-LD2-02012	2	3.175	12	38
HN3A-LD2-02015	2	3.175	15	38
HN3A-LD2-02017	2	3.175	17	38
HN3A-LD2-02508	2.5	3.175	8	38
HN3A-LD2-02510	2.5	3.175	10	38
HN3A-LD2-02512	2.5	3.175	12	38
HN3A-LD2-02515	2.5	3.175	15	38
HN3A-LD2-02517	2.5	3.175	17	38
HN3A-LD2-03112	3.175	3.175	12	38
HN3A-LD2-03115	3.175	3.175	15	38

HN3A-LD2 LEFT ROTATION DOWN CUT TWO FLUTES SPIRAL BITS



Order NO.	d	D	l	L
HN3A-LD2-03117	3.175	3.175	17	38
HN3A-LD2-03120	3.175	3.175	20	45
HN3A-LD2-03122	3.175	3.175	22	45
HN3A-LD2-03125	3.175	3.175	25	50
HN3A-LD2-03128	3.175	3.175	28	50
HN3A-LD2-03132	3.175	3.175	32	55
HN3A-LD2-04012	4	4	12	45
HN3A-LD2-04015	4	4	15	45
HN3A-LD2-04017	4	4	17	45
HN3A-LD2-04022	4	4	22	45
HN3A-LD2-04025	4	4	25	50
HN3A-LD2-04028	4	4	28	50
HN3A-LD2-04032	4	4	32	55
HN3A-LD2-05012	5	5	12	50
HN3A-LD2-05015	5	5	15	50
HN3A-LD2-05017	5	5	17	50

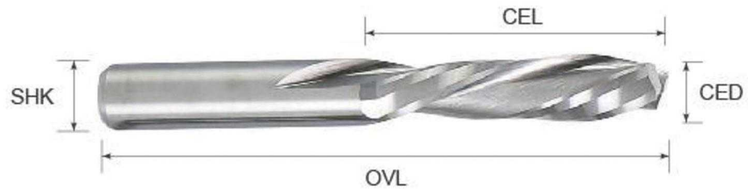
HN3A-LD2 LEFT ROTATION DOWN CUT TWO FLUTES SPIRAL BITS



Order NO.	d	D	l	L
HN3A-LD2-05022	5	5	22	50
HN3A-LD2-05025	5	5	25	50
HN3A-LD2-05028	5	5	28	60
HN3A-LD2-05032	5	5	32	60
HN3A-LD2-06017-l4	6	4	17	50
HN3A-LD2-06022-l4	6	4	22	50
HN3A-LD2-06022-l5	6	5	22	50
HN3A-LD2-06017	6	6	17	50
HN3A-LD2-06022	6	6	22	50
HN3A-LD2-06022XL	6	6	22	60
HN3A-LD2-06025	6	6	25	50
HN3A-LD2-06025XL	6	6	25	60
HN3A-LD2-06028XL	6	6	28	60
HN3A-LD2-06032	6	6	32	60
HN3A-LD2-06035	6	6	35	65
HN3A-LD2-06042	6	6	42	75

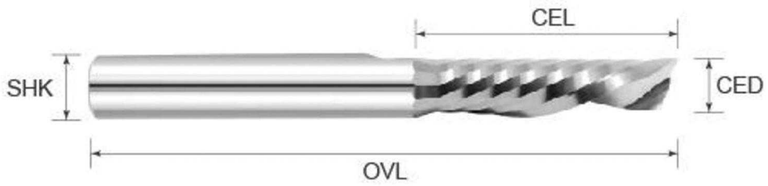
HNCARBIDE

HN3A-LD2 LEFT ROTATION DOWN CUT TWO FLUTES SPIRAL BITS



Order NO.	d	D	l	L
HN3A-LD2-08022	8	8	22	60
HN3A-LD2-08025	8	8	25	60
HN3A-LD2-08032	8	8	32	65
HN3A-LD2-08035	8	8	35	75
HN3A-LD2-08038	8	8	38	75
HN3A-LD2-08042	8	8	42	75
HN3A-LD2-08045	8	8	45	100
HN3A-LD2-08055	8	8	55	100
HN3A-LD2-10025	10	10	25	60
HN3A-LD2-10032	10	10	32	75
HN3A-LD2-10035	10	10	35	75
HN3A-LD2-10042	10	10	42	85
HN3A-LD2-10045	10	10	45	100
HN3A-LD2-12035	12	12	35	75
HN3A-LD2-12045	12	12	45	90
HN3A-LD2-12055	12	12	55	100

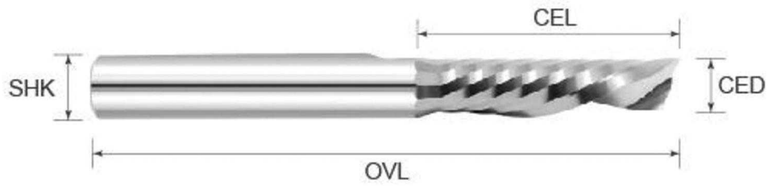
HN2A-UD UP&DOWN CUT ONE FLUTE SPIRAL BITS



Order NO.	d	D	l	L
HN2A-UD-0208	2	3.175	8	38
HN2A-UD-0212	2	3.175	12	38
HN2A-UD-0312	3.175	3.175	12	38
HN2A-UD-0315	3.175	3.175	15	38
HN2A-UD-0317	3.175	3.175	17	38
HN2A-UD-0322	3.175	3.175	22	45
HN2A-UD-0412	4	4	12	45
HN2A-UD-0415	4	4	15	45
HN2A-UD-0417	4	4	17	45
HN2A-UD-0422	4	4	22	45
HN2A-UD-0425	4	4	25	50
HN2A-UD-0428	4	4	28	50
HN2A-UD-0432	4	4	32	55
HN2A-UD-0517	5	5	17	50
HN2A-UD-0522	5	5	22	50
HN2A-UD-0525	5	5	25	50

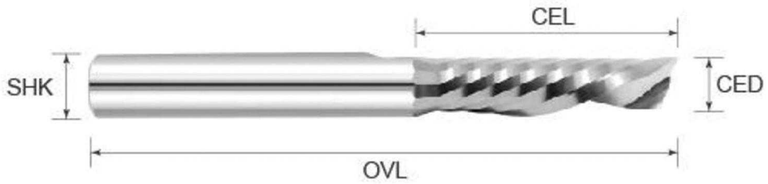
HNCARBIDE

HN2A-UD UP&DOWN CUT ONE FLUTE SPIRAL BITS



Order NO.	d	D	l	L
HN2A-UD-0528	5	5	28	60
HN2A-UD-0532	5	5	32	60
HN2A-UD-0617	6	6	17	50
HN2A-UD-0622	6	6	22	50
HN2A-UD-0625	6	6	25	50
HN2A-UD-0628	6	6	28	60
HN2A-UD-0632	6	6	32	60
HN2A-UD-0635	6	6	35	65
HN2A-UD-0642	6	6	42	75
HN2A-UD-0652	6	6	52	85
HN2A-UD-0825	8	8	25	60
HN2A-UD-0832	8	8	32	65
HN2A-UD-0835	8	8	35	75
HN2A-UD-0838	8	8	38	75
HN2A-UD-0842	8	8	42	75

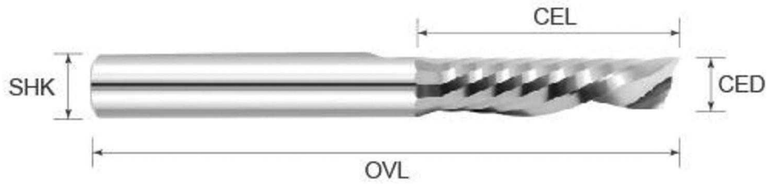
HN3A-UD UP&DOWN CUT ONE FLUTE SPIRAL BITS



Order NO.	d	D	l	L
HN3A-UD-0208	2	3.175	8	38
HN3A-UD-0212	2	3.175	12	38
HN3A-UD-0312	3.175	3.175	12	38
HN3A-UD-0315	3.175	3.175	15	38
HN3A-UD-0317	3.175	3.175	17	38
HN3A-UD-0322	3.175	3.175	22	45
HN3A-UD-0412	4	4	12	45
HN3A-UD-0415	4	4	15	45
HN3A-UD-0417	4	4	17	45
HN3A-UD-0422	4	4	22	45
HN3A-UD-0425	4	4	25	50
HN3A-UD-0428	4	4	28	50
HN3A-UD-0432	4	4	32	55
HN3A-UD-0517	5	5	17	50
HN3A-UD-0522	5	5	22	50
HN3A-UD-0525	5	5	25	50
HN3A-UD-0528	5	5	28	60

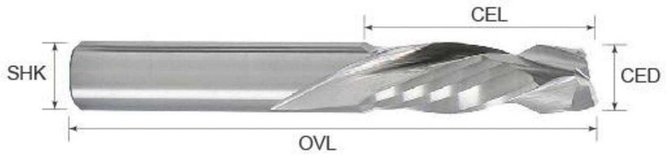
HNCARBIDE

HN3A-UD UP&DOWN CUT ONE FLUTE SPIRAL BITS



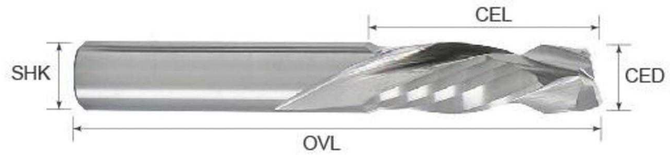
Order NO.	d	D	l	L
HN3A-UD-0532	5	5	32	60
HN3A-UD-0617	6	6	17	50
HN3A-UD-0622	6	6	22	50
HN3A-UD-0625	6	6	25	50
HN3A-UD-0628	6	6	28	60
HN3A-UD-0632	6	6	32	60
HN3A-UD-0635	6	6	35	65
HN3A-UD-0642	6	6	42	75
HN3A-UD-0652	6	6	52	85
HN3A-UD-0825	8	8	25	60
HN3A-UD-0832	8	8	32	65
HN3A-UD-0835	8	8	35	75
HN3A-UD-0838	8	8	38	75
HN3A-UD-0842	8	8	42	75
HN3A-UD-1035	10	10	35	75
HN3A-UD-1042	10	10	42	85

HN2A-UD2 UP&DOWN CUT TWO FLUTE SPIRAL BITS



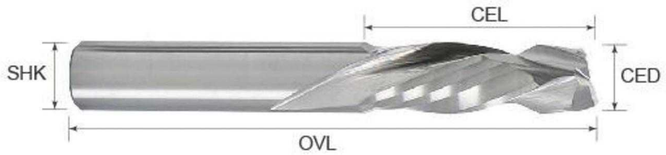
Order NO.	d	D	l	L
HN2A-UD2-0312	3.175	3.175	12	38
HN2A-UD2-0315	3.175	3.175	15	38
HN2A-UD2-0317	3.175	3.175	17	38
HN2A-UD2-0322	3.175	3.175	22	45
HN2A-UD2-0412	4	4	12	45
HN2A-UD2-0415	4	4	15	45
HN2A-UD2-0417	4	4	17	45
HN2A-UD2-0422	4	4	22	45
HN2A-UD2-0422-L50	4	4	22	50
HN2A-UD2-0425	4	4	25	50
HN2A-UD2-0428	4	4	28	50
HN2A-UD2-0432	4	4	32	55
HN2A-UD2-0517	5	5	17	50
HN2A-UD2-0522	5	5	22	50
HN2A-UD2-0525	5	5	25	50
HN2A-UD2-0528	5	5	28	60
HN2A-UD2-0532	5	5	32	60
HN2A-UD2-0617	6	6	17	50
HN2A-UD2-0622	6	6	22	50

HN2A-UD2 UP&DOWN CUT TWO FLUTE SPIRAL BITS



Order NO.	d	D	l	L
HN2A-UD2-0625	6	6	25	50
HN2A-UD2-0628	6	6	28	60
HN2A-UD2-0632	6	6	32	60
HN2A-UD2-0635	6	6	35	65
HN2A-UD2-0642	6	6	42	70
HN2A-UD2-0652	6	6	52	80
HN2A-UD2-063522	6.35	6.35	22	50
HN2A-UD2-063525	6.35	6.35	25	50
HN2A-UD2-0822	8	8	22	60
HN2A-UD2-0825	8	8	25	60
HN2A-UD2-0832	8	8	32	65
HN2A-UD2-0835	8	8	35	75
HN2A-UD2-0838	8	8	38	75
HN2A-UD2-0842	8	8	42	75
HN2A-UD2-0855	8	8	55	100
HN2A-UD2-1035	10	10	35	75
HN2A-UD2-1042	10	10	42	85

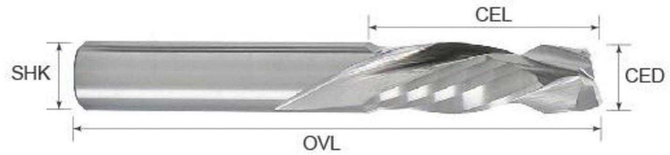
HN3A-UD2 UP&DOWN CUT TWO FLUTE SPIRAL BITS



Order NO.	d	D	l	L
HN3A-UD2-03012	3	3	12	38
HN3A-UD2-03017	3	3	17	38
HN3A-UD2-0208	2	3.175	8	38
HN3A-UD2-0212	2	3.175	12	38
HN3A-UD2-0312	3.175	3.175	12	38
HN3A-UD2-0315	3.175	3.175	15	38
HN3A-UD2-0317	3.175	3.175	17	38
HN3A-UD2-0322	3.175	3.175	22	45
HN3A-UD2-0322-L50	3.175	3.175	22	50
HN3A-UD2-0412	4	4	12	45
HN3A-UD2-0415	4	4	15	45
HN3A-UD2-0418	4	4	18	45
HN3A-UD2-0422	4	4	22	45
HN3A-UD2-0422-L50	4	4	22	50
HN3A-UD2-0425	4	4	25	50
HN3A-UD2-0428	4	4	28	50
HN3A-UD2-0432	4	4	32	55
HN3A-UD2-0517	5	5	17	50
HN3A-UD2-0522	5	5	22	50
HN3A-UD2-0525	5	5	25	50
HN3A-UD2-0528	5	5	28	60
HN3A-UD2-0532	5	5	32	60
HN3A-UD2-0618	6	6	18	50

HNCARBIDE

HN3A-UD2 UP&DOWN CUT TWO FLUTE SPIRAL BITS



Order NO.	d	D	l	L
HN3A-UD2-0622	6	6	22	50
HN3A-UD2-0625	6	6	25	50
HN3A-UD2-0628	6	6	28	60
HN3A-UD2-0632	6	6	32	60
HN3A-UD2-0635	6	6	35	65
HN3A-UD2-0642	6	6	42	75
HN3A-UD2-0652	6	6	52	85
HN3A-UD2-0822	8	8	22	60
HN3A-UD2-0825	8	8	25	60
HN3A-UD2-0832	8	8	32	65
HN3A-UD2-0835	8	8	35	75
HN3A-UD2-0838	8	8	38	75
HN3A-UD2-0842	8	8	42	75
HN3A-UD2-0855	8	8	55	100
HN3A-UD2-1025	10	10	25	60
HN3A-UD2-1035	10	10	35	75
HN3A-UD2-1038	10	10	38	75
HN3A-UD2-1042	10	10	42	85
HN3A-UD2-1052	10	10	52	100
HN3A-UD2-1235	12	12	35	75
HN3A-UD2-1245	12	12	45	90
HN3A-UD2-1255	12	12	55	100
HN3A-UD2-1265	12	12	65	120

HN3A-UD2 UP&DOWN CUT TWO FLUTE SPIRAL BITS WITH DLC COATING

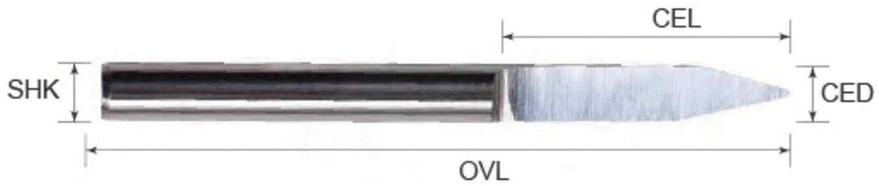
Order NO.	d	D	l	L
HN3A-UD2-03012-C	3	3	12	38
HN3A-UD2-03017-C	3	3	17	38
HN3A-UD2-0208-C	2	3.175	8	38
HN3A-UD2-0212-C	2	3.175	12	38
HN3A-UD2-0312-C	3.175	3.175	12	38
HN3A-UD2-0315-C	3.175	3.175	15	38
HN3A-UD2-0317-C	3.175	3.175	17	38
HN3A-UD2-0322-C	3.175	3.175	22	45
HN3A-UD2-0322-C-L50	3.175	3.175	22	50
HN3A-UD2-0412-C	4	4	12	45
HN3A-UD2-0415-C	4	4	15	45
HN3A-UD2-0418-C	4	4	18	45
HN3A-UD2-0422-C	4	4	22	45
HN3A-UD2-0422-C-L50	4	4	22	50
HN3A-UD2-0425-C	4	4	25	50
HN3A-UD2-0428-C	4	4	28	50
HN3A-UD2-0432-C	4	4	32	55
HN3A-UD2-0517-C	5	5	17	50
HN3A-UD2-0522-C	5	5	22	50
HN3A-UD2-0525-C	5	5	25	50
HN3A-UD2-0528-C	5	5	28	60
HN3A-UD2-0532-C	5	5	32	60
HN3A-UD2-0618-C	6	6	18	50

HNCARBIDE

HN3A-UD2 UP&DOWN CUT TWO FLUTE SPIRAL BITS WITH DLC COATING

Order NO.	d	D	l	L
HN3A-UD2-0622-C	6	6	22	50
HN3A-UD2-0625-C	6	6	25	50
HN3A-UD2-0628-C	6	6	28	60
HN3A-UD2-0632-C	6	6	32	60
HN3A-UD2-0635-C	6	6	35	65
HN3A-UD2-0642-C	6	6	42	75
HN3A-UD2-0652-C	6	6	52	85
HN3A-UD2-0822-C	8	8	22	60
HN3A-UD2-0825-C	8	8	25	60
HN3A-UD2-0832-C	8	8	32	65
HN3A-UD2-0835-C	8	8	35	75
HN3A-UD2-0838-C	8	8	38	75
HN3A-UD2-0842-C	8	8	42	75
HN3A-UD2-0855-C	8	8	55	100
HN3A-UD2-1025-C	10	10	25	60
HN3A-UD2-1035-C	10	10	35	75
HN3A-UD2-1038-C	10	10	38	75
HN3A-UD2-1042-C	10	10	42	85
HN3A-UD2-1052-C	10	10	52	100
HN3A-UD2-1235-C	12	12	35	75
HN3A-UD2-1245-C	12	12	45	90
HN3A-UD2-1255-C	12	12	55	100
HN3A-UD2-1265-C	12	12	65	120

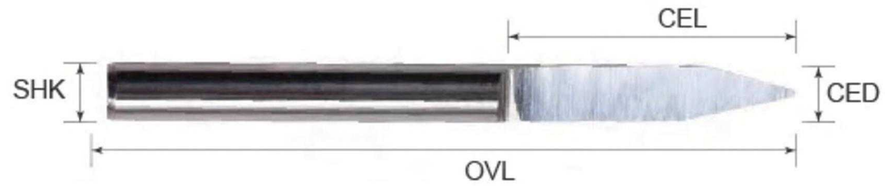
HN1A-BE SOLID CARBIDE BOTTOM ENGRAVING BITS



Order NO.	d	D	l	L
HN1A-BE-31001L	3.175	0.1	10	33
HN1A-BE-31002L	3.175	0.2	10	33
HN1A-BE-31003L	3.175	0.3	10	33
HN1A-BE-31501L	3.175	0.1	15	33
HN1A-BE-31502L	3.175	0.2	15	33
HN1A-BE-31503L	3.175	0.3	15	33
HN1A-BE-32001L	3.175	0.1	20	33
HN1A-BE-32002L	3.175	0.2	20	33
HN1A-BE-32003L	3.175	0.3	20	33
HN1A-BE-32004L	3.175	0.4	20	33
HN1A-BE-32005L	3.175	0.5	20	33
HN1A-BE-32008L	3.175	0.8	20	33
HN1A-BE-32010L	3.175	1	20	33
HN1A-BE-33001L	3.175	0.1	30	33
HN1A-BE-33002L	3.175	0.2	30	33
HN1A-BE-33003L	3.175	0.3	30	33
HN1A-BE-33004L	3.175	0.4	30	33
HN1A-BE-33005L	3.175	0.5	30	33

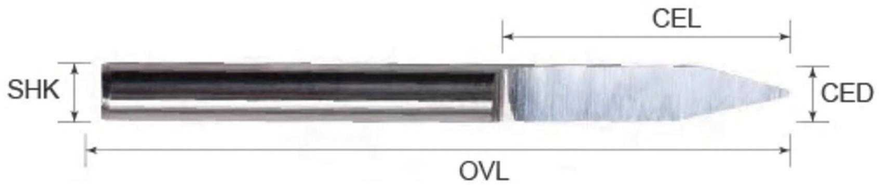
HNCARBIDE

HN1A-BE SOLID CARBIDE BOTTOM ENGRAVING BITS



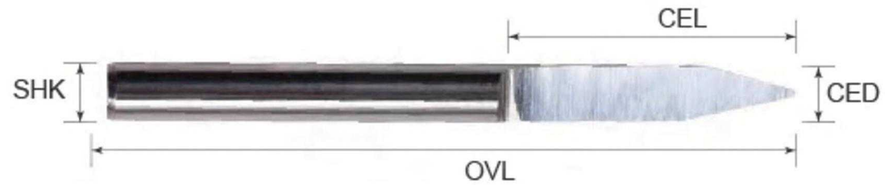
Order NO.	d	D	l	L
HN1A-BE-33008L	3.175	0.8	30	33
HN1A-BE-33010L	3.175	1	30	33
HN1A-BE-34501L	3.175	0.1	45	33
HN1A-BE-34502L	3.175	0.2	45	33
HN1A-BE-34503L	3.175	0.3	45	33
HN1A-BE-34504L	3.175	0.4	45	33
HN1A-BE-34505L	3.175	0.5	45	33
HN1A-BE-36001L	3.175	0.1	60	33
HN1A-BE-36002L	3.175	0.2	60	33
HN1A-BE-36003L	3.175	0.3	60	33
HN1A-BE-36004L	3.175	0.4	60	33
HN1A-BE-36005L	3.175	0.5	60	33
HN1A-BE-39001L	3.175	0.1	90	33
HN1A-BE-39002L	3.175	0.2	90	33
HN1A-BE-39003L	3.175	0.3	90	33
HN1A-BE-39004L	3.175	0.4	90	33
HN1A-BE-39005L	3.175	0.5	90	33

HN2A-BE SOLID CARBIDE BOTTOM ENGRAVING BITS



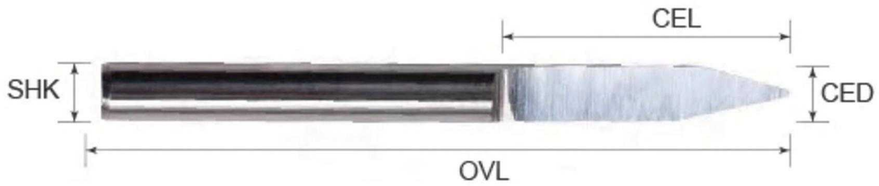
Order NO.	d	D	l	L
HN2A-BE-31001L	3.175	0.1	10	38
HN2A-BE-31002L	3.175	0.2	10	38
HN2A-BE-31003L	3.175	0.3	10	38
HN2A-BE-31501L	3.175	0.1	15	38
HN2A-BE-31502L	3.175	0.2	15	38
HN2A-BE-31503L	3.175	0.3	15	38
HN2A-BE-32001L	3.175	0.1	20	38
HN2A-BE-32002L	3.175	0.2	20	38
HN2A-BE-32003L	3.175	0.3	20	38
HN2A-BE-32004L	3.175	0.4	20	38
HN2A-BE-32005L	3.175	0.5	20	38
HN2A-BE-32008L	3.175	0.8	20	38
HN2A-BE-32010L	3.175	1	20	38
HN2A-BE-33001L	3.175	0.1	30	38
HN2A-BE-33002L	3.175	0.2	30	38
HN2A-BE-33003L	3.175	0.3	30	38
HN2A-BE-33004L	3.175	0.4	30	38
HN2A-BE-33005L	3.175	0.5	30	38
HN2A-BE-33008L	3.175	0.8	30	38

HN2A-BE SOLID CARBIDE BOTTOM ENGRAVING BITS



Order NO.	d	D	l	L
HN2A-BE-33010L	3.175	1	30	38
HN2A-BE-34501L	3.175	0.1	45	38
HN2A-BE-34502L	3.175	0.2	45	38
HN2A-BE-34503L	3.175	0.3	45	38
HN2A-BE-34504L	3.175	0.4	45	38
HN2A-BE-34505L	3.175	0.5	45	38
HN2A-BE-36001L	3.175	0.1	60	38
HN2A-BE-36002L	3.175	0.2	60	38
HN2A-BE-36003L	3.175	0.3	60	38
HN2A-BE-36004L	3.175	0.4	60	38
HN2A-BE-36005L	3.175	0.5	60	38
HN2A-BE-39001L	3.175	0.1	90	38
HN2A-BE-39002L	3.175	0.2	90	38
HN2A-BE-39003L	3.175	0.3	90	38
HN2A-BE-39004L	3.175	0.4	90	38
HN2A-BE-39005L	3.175	0.5	90	38
HN2A-BE-42001L	4	0.1	20	45
HN2A-BE-42002L	4	0.2	20	45
HN2A-BE-42003L	4	0.3	20	45

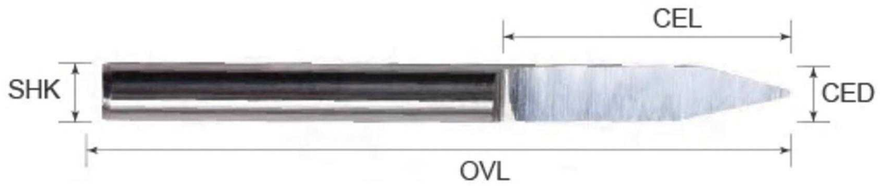
HN2A-BE SOLID CARBIDE BOTTOM ENGRAVING BITS



Order NO.	d	D	l	L
HN2A-BE-42004L	4	0.4	20	45
HN2A-BE-42005L	4	0.5	20	45
HN2A-BE-42008L	4	0.8	20	45
HN2A-BE-42010L	4	1	20	45
HN2A-BE-43001L	4	0.1	30	45
HN2A-BE-43002L	4	0.2	30	45
HN2A-BE-43003L	4	0.3	30	45
HN2A-BE-43004L	4	0.4	30	45
HN2A-BE-43005L	4	0.5	30	45
HN2A-BE-43008L	4	0.8	30	45
HN2A-BE-43010L	4	1	30	45
HN2A-BE-44501L	4	0.1	45	45
HN2A-BE-44502L	4	0.2	45	45
HN2A-BE-44503L	4	0.3	45	45
HN2A-BE-44504L	4	0.4	45	45
HN2A-BE-44505L	4	0.5	45	45
HN2A-BE-44508L	4	0.8	45	45
HN2A-BE-44510L	4	1	45	45
HN2A-BE-46001L	4	0.1	60	45

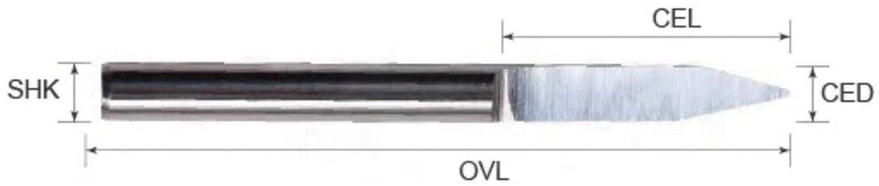
HNCARBIDE

HN2A-BE SOLID CARBIDE BOTTOM ENGRAVING BITS



Order NO.	d	D	l	L
HN2A-BE-46002L	4	0.2	60	45
HN2A-BE-46003L	4	0.3	60	45
HN2A-BE-46004L	4	0.4	60	45
HN2A-BE-46005L	4	0.5	60	45
HN2A-BE-46008L	4	0.8	60	45
HN2A-BE-46010L	4	1	60	45
HN2A-BE-49001L	4	0.1	90	45
HN2A-BE-49002L	4	0.2	90	45
HN2A-BE-49003L	4	0.3	90	45
HN2A-BE-49004L	4	0.4	90	45
HN2A-BE-49005L	4	0.5	90	45
HN2A-BE-49008L	4	0.8	90	45
HN2A-BE-49010L	4	1	90	45
HN2A-BE-62001L	6	0.1	20	50
HN2A-BE-62002L	6	0.2	20	50
HN2A-BE-62003L	6	0.3	20	50
HN2A-BE-62004L	6	0.4	20	50
HN2A-BE-62005L	6	0.5	20	50
HN2A-BE-62008L	6	0.8	20	50

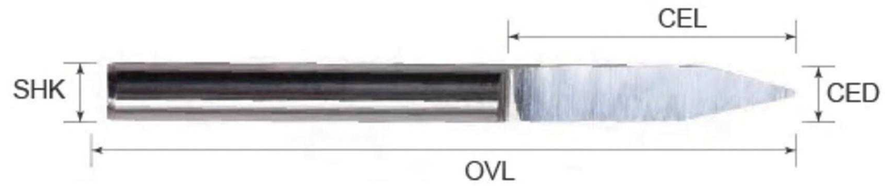
HN2A-BE SOLID CARBIDE BOTTOM ENGRAVING BITS



Order NO.	d	D	l	L
HN2A-BE-62010L	6	1	20	50
HN2A-BE-62020L	6	2	20	50
HN2A-BE-63001L	6	0.1	30	50
HN2A-BE-63002L	6	0.2	30	50
HN2A-BE-63003L	6	0.3	30	50
HN2A-BE-63004L	6	0.4	30	50
HN2A-BE-63005L	6	0.5	30	50
HN2A-BE-63008L	6	0.8	30	50
HN2A-BE-63010L	6	1	30	50
HN2A-BE-63020L	6	2	30	50
HN2A-BE-64501L	6	0.1	45	50
HN2A-BE-64502L	6	0.2	45	50
HN2A-BE-64503L	6	0.3	45	50
HN2A-BE-64504L	6	0.4	45	50
HN2A-BE-64505L	6	0.5	45	50
HN2A-BE-64508L	6	0.8	45	50
HN2A-BE-64510L	6	1	45	50

HNCARBIDE

HN2A-BE SOLID CARBIDE BOTTOM ENGRAVING BITS



Order NO.	d	D	l	L
HN2A-BE-64520L	6	2	45	50
HN2A-BE-66001L	6	0.1	60	50
HN2A-BE-66002L	6	0.2	60	50
HN2A-BE-66003L	6	0.3	60	50
HN2A-BE-66004L	6	0.4	60	50
HN2A-BE-66005L	6	0.5	60	50
HN2A-BE-66006L	6	0.6	60	50
HN2A-BE-66010L	6	1	60	50
HN2A-BE-66020L	6	2	60	50
HN2A-BE-69001L	6	0.1	90	50
HN2A-BE-69002L	6	0.2	90	50
HN2A-BE-69003L	6	0.3	90	50
HN2A-BE-69004L	6	0.4	90	50
HN2A-BE-69005L	6	0.5	90	50
HN2A-BE-69008L	6	0.8	90	50
HN2A-BE-69010L	6	1	90	50
HN2A-BE-69020L	6	2	90	50

HN2A-BM SPECIAL IMPORTED MATERIAL COATING METAL BOTTOM ENGRAVING BITS

Order NO.	d	D	l	L
HN2A-BM-31001	3.175	0.1	10	33
HN2A-BM-31002	3.175	0.2	10	33
HN2A-BM-31003	3.175	0.3	10	33
HN2A-BM-31501	3.175	0.1	15	33
HN2A-BM-31502	3.175	0.2	15	33
HN2A-BM-31503	3.175	0.3	15	33
HN2A-BM-32001	3.175	0.1	20	38
HN2A-BM-32002	3.175	0.2	20	38
HN2A-BM-32003	3.175	0.3	20	38
HN2A-BM-32004	3.175	0.4	20	38
HN2A-BM-32005	3.175	0.5	20	38
HN2A-BM-32008	3.175	0.8	20	38
HN2A-BM-32010	3.175	1	20	38
HN2A-BM-33001	3.175	0.1	30	38
HN2A-BM-33002	3.175	0.2	30	38
HN2A-BM-33003	3.175	0.3	30	38
HN2A-BM-33004	3.175	0.4	30	38
HN2A-BM-33005	3.175	0.5	30	38
HN2A-BM-33008	3.175	0.8	30	38

HNCARBIDE

HN2A-BM SPECIAL IMPORTED MATERIAL COATING METAL BOTTOM ENGRAVING BITS

Order NO.	d	D	l	L
HN2A-BM-33010	3.175	1	30	38
HN2A-BM-34501	3.175	0.1	45	38
HN2A-BM-34502	3.175	0.2	45	38
HN2A-BM-34503	3.175	0.3	45	38
HN2A-BM-34504	3.175	0.4	45	38
HN2A-BM-34505	3.175	0.5	45	38
HN2A-BM-36001	3.175	0.1	60	38
HN2A-BM-36002	3.175	0.2	60	38
HN2A-BM-36003	3.175	0.3	60	38
HN2A-BM-36004	3.175	0.4	60	38
HN2A-BM-36005	3.175	0.5	60	38
HN2A-BM-39001	3.175	0.1	90	38
HN2A-BM-39002	3.175	0.2	90	38
HN2A-BM-39003	3.175	0.3	90	38
HN2A-BM-39004	3.175	0.4	90	38
HN2A-BM-39005	3.175	0.5	90	38
HN2A-BM-42001	4	0.1	20	45
HN2A-BM-42002	4	0.2	20	45
HN2A-BM-42003	4	0.3	20	45

HN2A-BM SPECIAL IMPORTED MATERIAL COATING METAL BOTTOM ENGRAVING BITS

Order NO.	d	D	l	L
HN2A-BM-42004	4	0.4	20	45
HN2A-BM-42005	4	0.5	20	45
HN2A-BM-42008	4	0.8	20	45
HN2A-BM-42010	4	1	20	45
HN2A-BM-43001	4	0.1	30	45
HN2A-BM-43002	4	0.2	30	45
HN2A-BM-43003	4	0.3	30	45
HN2A-BM-43004	4	0.4	30	45
HN2A-BM-43005	4	0.5	30	45
HN2A-BM-43008	4	0.8	30	45
HN2A-BM-43010	4	1	30	45
HN2A-BM-44501	4	0.1	45	45
HN2A-BM-44502	4	0.2	45	45
HN2A-BM-44503	4	0.3	45	45
HN2A-BM-44504	4	0.4	45	45
HN2A-BM-44505	4	0.5	45	45
HN2A-BM-44508	4	0.8	45	45
HN2A-BM-44510	4	1	45	45
HN2A-BM-46001	4	0.1	60	45

HNCARBIDE

HN2A-BM SPECIAL IMPORTED MATERIAL COATING METAL BOTTOM ENGRAVING BITS

Order NO.	d	D	l	L
HN2A-BM-46002	4	0.2	60	45
HN2A-BM-46003	4	0.3	60	45
HN2A-BM-46004	4	0.4	60	45
HN2A-BM-46005	4	0.5	60	45
HN2A-BM-46008	4	0.8	60	45
HN2A-BM-46010	4	1	60	45
HN2A-BM-49001	4	0.1	90	45
HN2A-BM-49002	4	0.2	90	45
HN2A-BM-49003	4	0.3	90	45
HN2A-BM-49004	4	0.4	90	45
HN2A-BM-49005	4	0.5	90	45
HN2A-BM-49008	4	0.8	90	45
HN2A-BM-49010	4	1	90	45
HN2A-BM-62001	6	0.1	20	50
HN2A-BM-62002	6	0.2	20	50
HN2A-BM-62003	6	0.3	20	50
HN2A-BM-62004	6	0.4	20	50
HN2A-BM-62005	6	0.5	20	50
HN2A-BM-62008	6	0.8	20	50

HN2A-BM SPECIAL IMPORTED MATERIAL COATING METAL BOTTOM ENGRAVING BITS

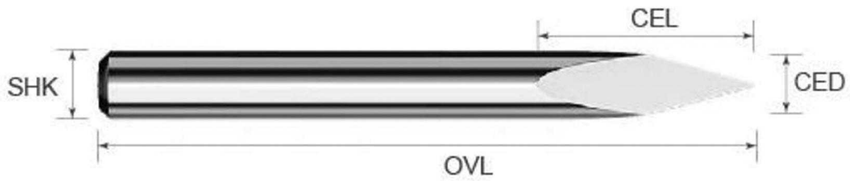
Order NO.	d	D	l	L
HN2A-BM-62010	6	1	20	50
HN2A-BM-62020	6	2	20	50
HN2A-BM-63001	6	0.1	30	50
HN2A-BM-63002	6	0.2	30	50
HN2A-BM-63003	6	0.3	30	50
HN2A-BM-63004	6	0.4	30	50
HN2A-BM-63005	6	0.5	30	50
HN2A-BM-63008	6	0.8	30	50
HN2A-BM-63010	6	1	30	50
HN2A-BM-63020	6	2	30	50
HN2A-BM-64501	6	0.1	45	50
HN2A-BM-64502	6	0.2	45	50
HN2A-BM-64503	6	0.3	45	50
HN2A-BM-64504	6	0.4	45	50
HN2A-BM-64505	6	0.5	45	50
HN2A-BM-64508	6	0.8	45	50
HN2A-BM-64510	6	1	45	50

HNCARBIDE

HN2A-BM SPECIAL IMPORTED MATERIAL COATING METAL BOTTOM ENGRAVING BITS

Order NO.	d	D	l	L
HN2A-BM-64520	6	2	45	50
HN2A-BM-66001	6	0.1	60	50
HN2A-BM-66002	6	0.2	60	50
HN2A-BM-66003	6	0.3	60	50
HN2A-BM-66004	6	0.4	60	50
HN2A-BM-66005	6	0.5	60	50
HN2A-BM-66006	6	0.6	60	50
HN2A-BM-66010	6	1	60	50
HN2A-BM-66020	6	2	60	50
HN2A-BM-69001	6	0.1	90	50
HN2A-BM-69002	6	0.2	90	50
HN2A-BM-69003	6	0.3	90	50
HN2A-BM-69004	6	0.4	90	50
HN2A-BM-69005	6	0.5	90	50
HN2A-BM-69008	6	0.8	90	50
HN2A-BM-69010	6	1	90	50
HN2A-BM-69020	6	2	90	50

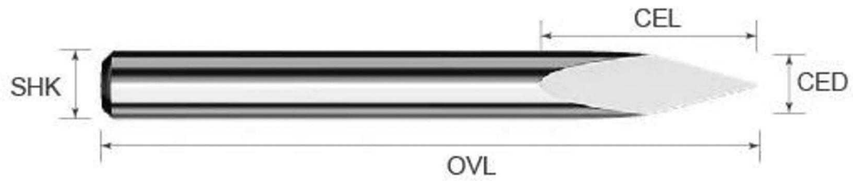
HN1A-TF THREE FACES ENGRAVING BITS



Order NO.	d	D	l	L
HN1A-TF-31501	3.175	0.1	15	33
HN1A-TF-32001	3.175	0.1	20	33
HN1A-TF-33001	3.175	0.1	30	33
HN1A-TF-34501	3.175	0.1	45	33
HN1A-TF-36001	3.175	0.1	60	33
HN1A-TF-39001	3.175	0.1	90	33
HN1A-TF-41501	4	0.1	15	40
HN1A-TF-42001	4	0.1	20	40
HN1A-TF-43001	4	0.1	30	40
HN1A-TF-44501	4	0.1	45	40
HN1A-TF-46001	4	0.1	60	40
HN1A-TF-61501	6	0.1	15	45
HN1A-TF-62001	6	0.1	20	45
HN1A-TF-63001	6	0.1	30	45
HN1A-TF-64501	6	0.1	45	45
HN1A-TF-66001	6	0.1	60	45
HN1A-TF-69001	6	0.1	90	45

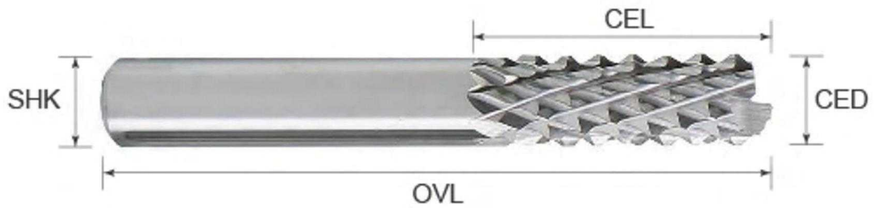
HNCARBIDE

HN2A-TF THREE FACES ENGRAVING BITS



Order NO.	d	D	l	L
HN2A-TF-31501	3.175	0.1	15	38
HN2A-TF-32001	3.175	0.1	20	38
HN2A-TF-33001	3.175	0.1	30	38
HN2A-TF-34501	3.175	0.1	45	38
HN2A-TF-36001	3.175	0.1	60	38
HN2A-TF-39001	3.175	0.1	90	38
HN2A-TF-41501	4	0.1	15	45
HN2A-TF-42001	4	0.1	20	45
HN2A-TF-43001	4	0.1	30	45
HN2A-TF-44501	4	0.1	45	45
HN2A-TF-46001	4	0.1	60	45
HN2A-TF-61501	6	0.1	15	50
HN2A-TF-62001	6	0.1	20	50
HN2A-TF-63001	6	0.1	30	50
HN2A-TF-64501	6	0.1	45	50
HN2A-TF-66001	6	0.1	60	50
HN2A-TF-69001	6	0.1	90	50

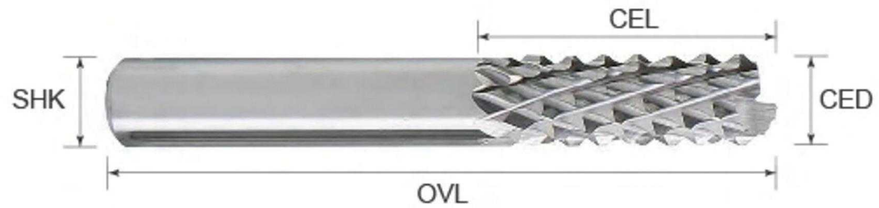
HN2A-CT CORN TEETH END MILLS



Order NO.	d	D	l	L
HN2A-CT-00403	0.4	3.175	3	38
HN2A-CT-00504	0.5	3.175	4	38
HN2A-CT-00606	0.6	3.175	6	38
HN2A-CT-00706	0.7	3.175	6	38
HN2A-CT-00806	0.8	3.175	6	38
HN2A-CT-00906	0.9	3.175	6	38
HN2A-CT-01003	1	3.175	3	38
HN2A-CT-01007	1	3.175	7	38
HN2A-CT-01207	1.2	3.175	7	38
HN2A-CT-01307	1.3	3.175	7	38
HN2A-CT-01408	1.4	3.175	8	38
HN2A-CT-01504	1.5	3.175	4	38
HN2A-CT-01509	1.5	3.175	9	38
HN2A-CT-01609	1.6	3.175	9	38
HN2A-CT-01709	1.7	3.175	9	38
HN2A-CT-01809	1.8	3.175	9	38

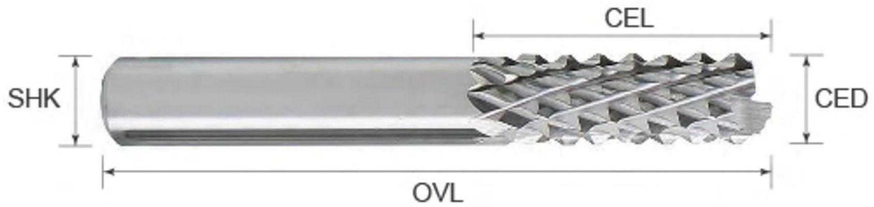
HNCARBIDE

HN2A-CT CORN TEETH END MILLS



Order NO.	d	D	l	L
HN2A-CT-01909	1.9	3.175	9	38
HN2A-CT-02006	2	3.175	6	38
HN2A-CT-02008	2	3.175	8	38
HN2A-CT-020105	2	3.175	10.5	38
HN2A-CT-02012	2	3.175	12	38
HN2A-CT-02015	2	3.175	15	38
HN2A-CT-02017	2	3.175	17	38
HN2A-CT-02412	2.4	3.175	12	38
HN2A-CT-02512	2.5	3.175	12	38
HN2A-CT-02515	2.5	3.175	15	38
HN2A-CT-02517	2.5	3.175	17	38
HN2A-CT-03012	3	3.175	12	38
HN2A-CT-03112	3.175	3.175	12	38
HN2A-CT-03115	3.175	3.175	15	38
HN2A-CT-03117	3.175	3.175	17	38
HN2A-CT-03122	3.175	3.175	22	45

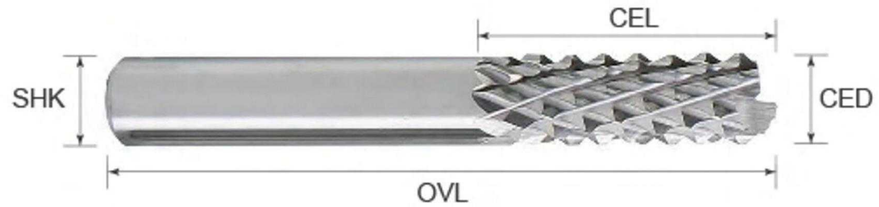
HN2A-CT CORN TEETH END MILLS



Order NO.	d	D	l	L
HN2A-CT-03125	3.175	3.175	25	50
HN2A-CT-03128	3.175	3.175	28	50
HN2A-CT-03132	3.175	3.175	32	55
HN2A-CT-04012	4	4	12	45
HN2A-CT-04015	4	4	15	45
HN2A-CT-04017	4	4	17	45
HN2A-CT-04022	4	4	22	45
HN2A-CT-04025	4	4	25	45
HN2A-CT-04025L	4	4	25	50
HN2A-CT-04028	4	4	28	50
HN2A-CT-04032	4	4	32	55
HN2A-CT-05012	5	5	12	55
HN2A-CT-05015	5	5	15	55
HN2A-CT-05017	5	5	17	55
HN2A-CT-05022	5	5	22	55
HN2A-CT-05025	5	5	25	55

HNCARBIDE

HN2A-CT CORN TEETH END MILLS



Order NO.	d	D	l	L
HN2A-CT-01909	1.9	3.175	9	38
HN2A-CT-02006	2	3.175	6	38
HN2A-CT-02008	2	3.175	8	38
HN2A-CT-020105	2	3.175	10.5	38
HN2A-CT-02012	2	3.175	12	38
HN2A-CT-02015	2	3.175	15	38
HN2A-CT-02017	2	3.175	17	38
HN2A-CT-02412	2.4	3.175	12	38
HN2A-CT-02512	2.5	3.175	12	38
HN2A-CT-02515	2.5	3.175	15	38
HN2A-CT-02517	2.5	3.175	17	38
HN2A-CT-03012	3	3.175	12	38
HN2A-CT-03112	3.175	3.175	12	38
HN2A-CT-03115	3.175	3.175	15	38
HN2A-CT-03117	3.175	3.175	17	38
HN2A-CT-03122	3.175	3.175	22	45

HN-SM TCT STRGAIGHT MILLING CUTTER 3FLUTES

Order NO.	d	D	l	L
HN-SM-006020-Ls48	6	D12.7	20	71
HN-SM-006022-Ls48	6	D12.7	22	73
HN-SM-006026-Ls48	6	D12.7	26	77
HN-SM-006028-Ls48	6	D12.7	28	79
HN-SM-006030-Ls48	6	D12.7	30	81
HN-SM-008020-Ls48	8	D12.7	20	71
HN-SM-008022-Ls48	8	D12.7	22	73
HN-SM-008026-Ls48	8	D12.7	26	77
HN-SM-008028-Ls48	8	D12.7	28	79
HN-SM-008030-Ls48	8	D12.7	30	81

Order NO.	d	D	l	L
HN-SM-008032-Ls52	8	D12.7	32	87
HN-SM-008035-Ls52	8	D12.7	35	90
HN-SM-008037-Ls52	8	D12.7	37	92
HN-SM-010022-Ls52	10	D12.7	22	77
HN-SM-010026-Ls52	10	D12.7	26	80
HN-SM-010030-Ls52	10	D12.7	30	85
HN-SM-010032-Ls52	10	D12.7	32	87
HN-SM-010035-Ls52	10	D12.7	35	90
HN-SM-010040-Ls52	10	D12.7	40	95
HN-SM-010050-Ls52	10	D12.7	50	105

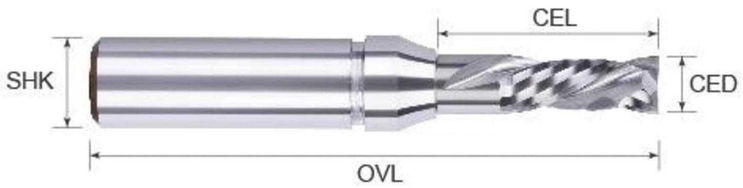
HNCARBIDE

HN-SM-Z TCT STRGAIGHT MILLING CUTTER 3FLUTES

Order NO.	d	D	l	L
HN-SM-006020-Ls48-Z	6	D12.7	20	71
HN-SM-006022-Ls48-Z	6	D12.7	22	73
HN-SM-006026-Ls48-Z	6	D12.7	26	77
HN-SM-006028-Ls48-Z	6	D12.7	28	79
HN-SM-006030-Ls48-Z	6	D12.7	30	81
HN-SM-008020-Ls48-Z	8	D12.7	20	71
HN-SM-008022-Ls48-Z	8	D12.7	22	73
HN-SM-008026-Ls48-Z	8	D12.7	26	77
HN-SM-008028-Ls48-Z	8	D12.7	28	79
HN-SM-008030-Ls48-Z	8	D12.7	30	81

Order NO.	d	D	l	L
HN-SM-008032-Ls52-Z	8	D12.7	32	87
HN-SM-008035-Ls52-Z	8	D12.7	35	90
HN-SM-008037-Ls52-Z	8	D12.7	37	92
HN-SM-010022-Ls52-Z	10	D12.7	22	77
HN-SM-010025-Ls52-Z	10	D12.7	26	80
HN-SM-010030-Ls52-Z	10	D12.7	30	85
HN-SM-010032-Ls52-Z	10	D12.7	32	87
HN-SM-010035-Ls52-Z	10	D12.7	35	90
HN-SM-010040-Ls52-Z	10	D12.7	40	95

HN-TUD2 TCT UP/DOWN CUT SPIRAL BITS 2FLUTES



Order NO.	d	D	l	L
HN-TUD2-006020-Ls48	6	D12.7	20	71
HN-TUD2-006022-Ls48	6	D12.7	22	73
HN-TUD2-006026-Ls48	6	D12.7	26	77
HN-TUD2-006028-Ls48	6	D12.7	28	79
HN-TUD2-006030-Ls48	6	D12.7	30	81
HN-TUD2-008020-Ls48	8	D12.7	20	71

Order NO.	d	D	l	L
HN-TUD2-008022-Ls48	8	D12.7	22	73
HN-TUD2-008026-Ls48	8	D12.7	26	77
HN-TUD2-008028-Ls52	8	D12.7	28	79
HN-TUD2-008030-Ls52	8	D12.7	30	81
HN-TUD2-008032-Ls52	8	D12.7	32	87
HN-TUD2-008035-Ls52	8	D12.7	35	90

HNCARBIDE

HN-TUD2-Z TCT UP/DOWN CUT SPIRAL BITS 2FLUTES

Order NO.	d	D	l	L
HN-TUD2-006020-Ls48-Z	6	D12.7	20	71
HN-TUD2-006022-Ls48-Z	6	D12.7	22	73
HN-TUD2-006026-Ls48-Z	6	D12.7	26	77
HN-TUD2-006028-Ls48-Z	6	D12.7	28	79
HN-TUD2-006030-Ls48-Z	6	D12.7	30	81
HN-TUD2-008020-Ls48-Z	8	D12.7	20	71

Order NO.	d	D	l	L
HN-TUD2-008022-Ls48-Z	8	D12.7	22	73
HN-TUD2-008026-Ls48-Z	8	D12.7	26	77
HN-TUD2-008028-Ls52-Z	8	D12.7	28	79
HN-TUD2-008030-Ls52-Z	8	D12.7	30	81
HN-TUD2-008032-Ls52-Z	8	D12.7	32	87
HN-TUD2-008035-Ls52-Z	8	D12.7	35	90

HN1A-SK SHARP KNIFE

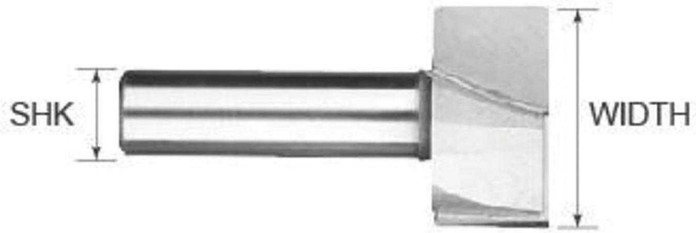
Order NO.	d	l
HN1A-SK-0606	6	6
HN1A-SK-0608	6	8
HN1A-SK-0610	6	10
HN1A-SK-0612	6	12
HN1A-SK-0616	6	16
HN1A-SK-0618	6	18
HN1A-SK-0620	6	20
HN1A-SK-0622	6	22
HN1A-SK-0625	6	25
HN1A-SK-0632	6	32
HN1A-SK-0812	8	12
HN1A-SK-0816	8	16
HN1A-SK-0818	8	18

HNCARBIDE

HN1A-SK SHARP KNIFE

Order NO.	d	l
HN1A-SK-0820	8	20
HN1A-SK-0822	8	22
HN1A-SK-0825	8	25
HN1A-SK-0832	8	32
HN1A-SK-1212	12.7	12
HN1A-SK-1216	12.7	16
HN1A-SK-1220	12.7	20
HN1A-SK-1222	12.7	22
HN1A-SK-1225	12.7	25
HN1A-SK-1232	12.7	32
HN1A-SK-1240	12.7	40
HN1A-SK-1250	12.7	50

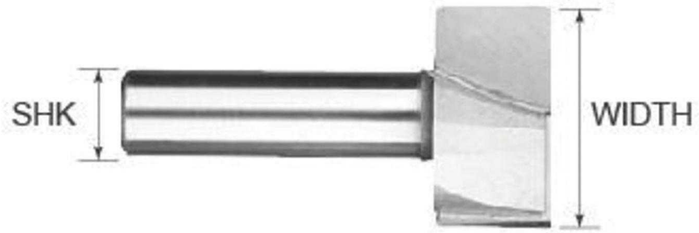
HN1A-BP BOTTOM-PROCESSING CUTTER



Order NO.	d	l
HN1A-BP-0606	6	6
HN1A-BP-0608	6	8
HN1A-BP-0610	6	10
HN1A-BP-0612	6	12
HN1A-BP-0616	6	16
HN1A-BP-0618	6	18
HN1A-BP-0620	6	20
HN1A-BP-0622	6	22
HN1A-BP-0625	6	25
HN1A-BP-0632	6	32
HN1A-BP-0808	8	8
HN1A-BP-0810	8	10
HN1A-BP-0812	8	12
HN1A-BP-0816	8	16
HN1A-BP-0818	8	18
HN1A-BP-0820	8	20

HNCARBIDE

HN1A-BP BOTTOM-PROCESSING CUTTER



Order NO.	d	l
HN1A-BP-0822	8	22
HN1A-BP-0825	8	25
HN1A-BP-0832	8	32
HN1A-BP-1208	12.7	8
HN1A-BP-1210	12.7	10
HN1A-BP-1212	12.7	12
HN1A-BP-1216	12.7	16
HN1A-BP-1218	12.7	18
HN1A-BP-1220	12.7	20
HN1A-BP-1222	12.7	22
HN1A-BP-1225	12.7	25
HN1A-BP-1232	12.7	32
HN1A-BP-1235	12.7	35
HN1A-BP-1240	12.7	40
HN1A-BP-1245	12.7	45
HN1A-BP-1250	12.7	50

HN1A-RB ROUND BOTTOM CUTTER

Order NO.	d	l
HN1A-RB-0606	6	6
HN1A-RB-0608	6	8
HN1A-RB-06C10	6	10
HN1A-RB-0612	6	12
HN1A-RB-0616	6	16
HN1A-RB-0618	6	18
HN1A-RB-0620	6	20
HN1A-RB-0622	6	22
HN1A-RB-0625	6	25
HN1A-RB-0632	6	32
HN1A-RB-0806	8	6
HN1A-RB-0808	8	8
HN1A-RB-0810	8	10
HN1A-RB-0812	8	12
HN1A-RB-0816	8	16

HNCARBIDE

HN1A-RB ROUND BOTTOM CUTTER

Order NO.	d	l
HN1A-RB-0818	8	18
HN1A-RB-0820	8	20
HN1A-RB-0822	8	22
HN1A-RB-0825	8	25
HN1A-RB-0832	8	32
HN1A-RB-1206	12.7	6
HN1A-RB-1208	12.7	8
HN1A-RB-1210	12.7	10
HN1A-RB-1212	12.7	12
HN1A-RB-1216	12.7	16
HN1A-RB-1218	12.7	18
HN1A-RB-1220	12.7	20
HN1A-RB-1222	12.7	22
HN1A-RB-1225	12.7	25
HN1A-RB-1232	12.7	32