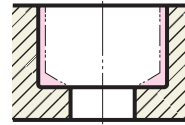


NIKKEN CARBIDE RADICAL MILL REAMER DLC COATING

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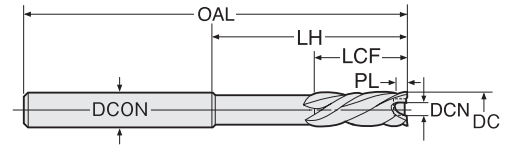
RFSS-DLC

For STEPPED HOLE
Carbide Radical Mill Reamer (DLC Coating)



Explanation of the Code No.

RFSS - 10.0 - DLC
 • DLC COATING
 • DIAMETER
 • RADICAL MILLREAMER SERIES
 RFSS : STRAIGHT SHANK FOR STEPPED HOLE



MILLING
BLADE

LH-HELIX
30-35°

DLC
COAT

P.134

*See P.4 for icons.

STOCK: ●=STANDARD STOCK ITEM(IN JAPAN) △=PRODUCTION BY ORDER

Code No.	STOCK	DC H7	OAL	DCON	PL	DCN	LCF	LH
RFSS- 18.0-DLC	△	18.0	155	20	0.6	9.0	30	90
- 18.5-DLC	△	18.5	155	20	0.6	9.0	30	90
- 19.0-DLC	△	19.0	160	20	0.6	9.0	30	95
- 19.5-DLC	△	19.5	160	20	0.6	9.0	30	95
- 20.0-DLC	△	20.0	170	20	0.6	9.0	33.5	105
- 20.5-DLC	△	20.5	170	20	0.6	9.0	33.5	105
- 21.0-DLC	△	21.0	170	20	0.6	10	33.5	105
- 21.5-DLC	△	21.5	180	25	0.6	11	33.5	110
- 22.0-DLC	△	22.0	180	25	0.6	11	33.5	110
- 22.5-DLC	△	22.5	180	25	0.6	11	33.5	110
- 23.0-DLC	△	23.0	180	25	0.6	11	33.5	110
- 23.5-DLC	△	23.5	180	25	0.6	11	33.5	110
- 24.0-DLC	△	24.0	180	25	0.6	11	33.5	110

Code No.	STOCK	DC H7	OAL	DCON	PL	DCN	LCF	LH
RFSS- 24.5-DLC	△	24.5	190	25	0.6	12	33.5	120
- 25.0-DLC	△	25.0	190	25	0.6	13	33.5	120
- 25.5-DLC	△	25.5	190	25	0.6	13	33.5	120
- 26.0-DLC	△	26.0	190	25	0.6	13	33.5	120
- 26.5-DLC	△	26.5	190	25	0.6	13	33.5	120
- 27.0-DLC	△	27.0	190	25	0.6	13	33.5	120
- 27.5-DLC	△	27.5	200	32	0.6	14	39	120
- 28.0-DLC	△	28.0	200	32	0.9	15	39	120
- 28.5-DLC	△	28.5	200	32	0.9	15	39	120
- 29.0-DLC	△	29.0	200	32	0.9	15	39	120
- 29.5-DLC	△	29.5	200	32	0.9	15	39	120
- 30.0-DLC	△	30.0	200	32	0.9	15	39	120

★PL means chamfering length to Φ DC.

★DCN is the front end bore diameter without bottom teeth, thus please make sure predrilled hole should be larger than Φ DCN.

★Please slightly decrease feed rate before reaching the bottom of the hole without using G86.



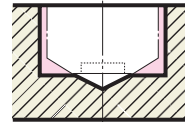
DLC coating reamer is for aluminium and non-ferrous metals reaming. Please select most suitable reamer for the other materials. P.5, P.6

NIKKEN CARBIDE RADICAL MILL REAMER DLC COATING

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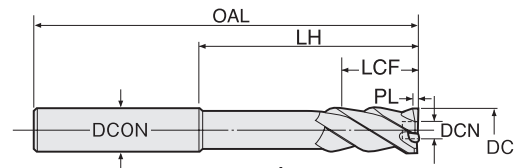
RRSS-F-DLC

RIGHT HAND HELICAL For BLIND HOLE
Carbide Radical Mill Reamer (DLC Coating)



Explanation of the Code No.

RRSS - 10.0 - F - DLC
 • DLC COATING
 • FOR BLIND HOLE
 • DIAMETER
 • RADICAL MILLREAMER SERIES
 RRSS : STRAIGHT SHANK RIGHT HAND HELICAL FOR BLIND HOLE



⚠ LCF must be longer than hole depth

MILLING
BLADE

RH-HELIX
40°

DLC
COAT

P.134

*See P.4 for icons.

STOCK: ●=STANDARD STOCK ITEM(IN JAPAN) △=PRODUCTION BY ORDER

Code No.	STOCK	DC H7	OAL	DCON	PL	DCN	LCF	LH
RRSS- 2.97F-DLC	△	2.97	60	3	0.6	1.2	16	35
- 2.98F-DLC	△	2.98	60	3	0.6	1.2	16	35
- 2.99F-DLC	△	2.99	60	3	0.6	1.2	16	35
- 3.0 F-DLC	△	3.0	60	3	0.6	1.2	16	35
- 3.01F-DLC	△	3.01	60	3	0.6	1.2	16	35
- 3.02F-DLC	△	3.02	60	3	0.6	1.2	16	35
- 3.03F-DLC	△	3.03	60	3	0.6	1.2	16	35
- 3.04F-DLC	△	3.04	60	3	0.6	1.2	16	35
- 3.05F-DLC	△	3.05	60	3	0.6	1.2	16	35
- 3.1 F-DLC	△	3.1	60	3	0.6	1.2	16	35
- 3.2 F-DLC	△	3.2	60	3	0.6	1.2	16	35
- 3.3 F-DLC	△	3.3	60	3	0.6	1.2	16	35
- 3.4 F-DLC	△	3.4	60	3	0.6	1.2	16	35
- 3.5 F-DLC	△	3.5	60	3	0.6	1.2	16	35
- 3.6 F-DLC	△	3.6	60	3	0.6	1.2	16	35
- 3.7 F-DLC	△	3.7	60	3	0.6	1.2	16	35
- 3.8 F-DLC	△	3.8	60	3	0.6	1.2	16	35
- 3.9 F-DLC	△	3.9	60	3	0.6	1.2	16	35

Code No.	STOCK	DC H7	OAL	DCON	PL	DCN	LCF	LH
RRSS- 3.97F-DLC	△	3.97	60	4	0.6	2.0	18	35
- 3.98F-DLC	△	3.98	60	4	0.6	2.0	18	35
- 3.99F-DLC	△	3.99	60	4	0.6	2.0	18	35
- 4.0 F-DLC	△	4.0	60	4	0.6	2.0	18	35
- 4.01F-DLC	△	4.01	60	4	0.6	2.0	18	35
- 4.02F-DLC	△	4.02	60	4	0.6	2.0	18	35
- 4.03F-DLC	△	4.03	60	4	0.6	2.0	18	35
- 4.04F-DLC	△	4.04	60	4	0.6	2.0	18	35
- 4.05F-DLC	△	4.05	60	4	0.6	2.0	18	35
- 4.1 F-DLC	△	4.1	60	4	0.6	2.0	18	35
- 4.2 F-DLC	△	4.2	60	4	0.6	2.0	18	35
- 4.3 F-DLC	△	4.3	60	4	0.6	2.0	18	35
- 4.4 F-DLC	△	4.4	60	4	0.6	2.0	18	35
- 4.5 F-DLC	△	4.5	70	5	0.6	2.0	22	40
- 4.6 F-DLC	△	4.6	70	5	0.6	2.0	22	40
- 4.7 F-DLC	△	4.7	70	5	0.6	2.0	22	40
- 4.8 F-DLC	△	4.8	70	5	0.6	2.0	22	40
- 4.9 F-DLC	△	4.9	70	5	0.6	2.0	22	40

★PL means chamfering length to Φ DC.

Next page

CARBIDE

FOR STEPPED HOLE

FOR BLIND HOLE

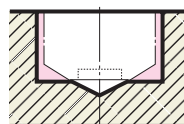


NIKKEN CARBIDE RADICAL MILL REAMER DLC COATING

NIKKEN

RRSS-F-DLC

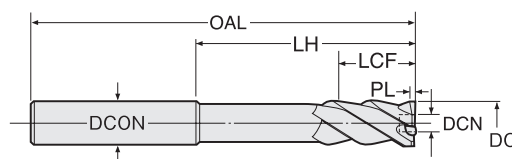
RIGHT HAND HELICAL For BLIND HOLE
Carbide Radical Mill Reamer (DLC Coating)



Explanation of the Code No.

RRSS - **10.0** - **F** - **DLC**

- **RRSS** : STRAIGHT SHANK, RIGHT HAND HELICAL FOR BLIND HOLE
- **10.0** : DIAMETER
- **F** : FOR BLIND HOLE
- **DLC** : DLC COATING



⚠ LCF must be longer than hole depth

MILLING BLADE **RH-HELIX 30°** **DLC COAT** **P.134** *See P.4 for icons.

STOCK: ●=STANDARD STOCK ITEM(IN JAPAN) △=PRODUCTION BY ORDER

Code No.	STOCK	DC H7	OAL	DCON	PL	DCN	LCF	LH
RRSS- 4.97F-DLC	△	4.97	70	5	0.6	2.5	22	40
- 4.98F-DLC	△	4.98						
- 4.99F-DLC	△	4.99						
- 5.0 F-DLC	△	5.0						
- 5.01F-DLC	△	5.01	70	5	0.6	2.5	22	40
- 5.02F-DLC	△	5.02						
- 5.03F-DLC	△	5.03						
- 5.04F-DLC	△	5.04						
- 5.05F-DLC	△	5.05	85	6	0.6	3.0	25	50
- 5.1 F-DLC	△	5.1						
- 5.2 F-DLC	△	5.2						
- 5.3 F-DLC	△	5.3						
- 5.4 F-DLC	△	5.4	85	6	0.6	3.0	25	50
- 5.5 F-DLC	△	5.5						
- 5.6 F-DLC	△	5.6						
- 5.7 F-DLC	△	5.7						
- 5.8 F-DLC	△	5.8	90	8	0.6	3.0	25	50
- 5.9 F-DLC	△	5.9						
- 5.97F-DLC	△	5.97						
- 5.98F-DLC	△	5.98						
- 5.99F-DLC	△	5.99	90	8	0.6	3.0	25	50
- 6.0 F-DLC	△	6.0						
- 6.01F-DLC	△	6.01						
- 6.02F-DLC	△	6.02						
- 6.03F-DLC	△	6.03	85	6	0.6	3.0	25	50
- 6.04F-DLC	△	6.04						
- 6.05F-DLC	△	6.05						
- 6.1 F-DLC	△	6.1						
- 6.2 F-DLC	△	6.2	90	8	0.6	3.0	25	50
- 6.3 F-DLC	△	6.3						
- 6.4 F-DLC	△	6.4						
- 6.5 F-DLC	△	6.5						
- 6.6 F-DLC	△	6.6	90	8	0.6	3.0	25	50
- 6.7 F-DLC	△	6.7						
- 6.8 F-DLC	△	6.8						
- 6.9 F-DLC	△	6.9						
- 6.97F-DLC	△	6.97	90	8	0.6	3.0	25	50
- 6.98F-DLC	△	6.98						
- 6.99F-DLC	△	6.99						
- 7.0 F-DLC	△	7.0						
- 7.01F-DLC	△	7.01	90	8	0.6	3.5	25	50
- 7.02F-DLC	△	7.02						
- 7.03F-DLC	△	7.03						
- 7.04F-DLC	△	7.04						
- 7.05F-DLC	△	7.05	100	8	0.6	4.0	25	60
- 7.1 F-DLC	△	7.1						
- 7.2 F-DLC	△	7.2						
- 7.3 F-DLC	△	7.3						
- 7.4 F-DLC	△	7.4	100	8	0.6	4.0	25	60
- 7.5 F-DLC	△	7.5						
- 7.6 F-DLC	△	7.6						
- 7.7 F-DLC	△	7.7						
- 7.8 F-DLC	△	7.8	100	8	0.6	4.0	25	60
- 7.9 F-DLC	△	7.9						
- 7.97F-DLC	△	7.97						
- 7.98F-DLC	△	7.98						
- 7.99F-DLC	△	7.99	100	8	0.6	4.0	25	60
- 8.0 F-DLC	△	8.0						

Code No.	STOCK	DC H7	OAL	DCON	PL	DCN	LCF	LH
RRSS- 8.01F-DLC	△	8.01	100	8	0.6	4.0	25	60
- 8.02F-DLC	△	8.02						
- 8.03F-DLC	△	8.03						
- 8.04F-DLC	△	8.04						
- 8.05F-DLC	△	8.05	105	10	0.6	4.5	25	60
- 8.1 F-DLC	△	8.1						
- 8.2 F-DLC	△	8.2						
- 8.3 F-DLC	△	8.3						
- 8.4 F-DLC	△	8.4	105	10	0.6	4.5	25	60
- 8.5 F-DLC	△	8.5						
- 8.6 F-DLC	△	8.6						
- 8.7 F-DLC	△	8.7						
- 8.8 F-DLC	△	8.8	105	10	0.6	4.5	25	60
- 8.9 F-DLC	△	8.9						
- 8.97F-DLC	△	8.97						
- 8.98F-DLC	△	8.98						
- 8.99F-DLC	△	8.99	105	10	0.6	4.5	25	60
- 9.0 F-DLC	△	9.0						
- 9.01F-DLC	△	9.01						
- 9.02F-DLC	△	9.02						
- 9.03F-DLC	△	9.03	110	10	0.6	5.0	29	60
- 9.04F-DLC	△	9.04						
- 9.05F-DLC	△	9.05						
- 9.1 F-DLC	△	9.1						
- 9.2 F-DLC	△	9.2	110	10	0.6	5.0	29	60
- 9.3 F-DLC	△	9.3						
- 9.4 F-DLC	△	9.4						
- 9.5 F-DLC	△	9.5						
- 9.6 F-DLC	△	9.6	110	10	0.6	5.0	29	60
- 9.7 F-DLC	△	9.7						
- 9.8 F-DLC	△	9.8						
- 9.9 F-DLC	△	9.9						
- 9.97F-DLC	△	9.97	110	10	0.6	5.0	29	60
- 9.98F-DLC	△	9.98						
- 9.99F-DLC	△	9.99						
- 10.0 F-DLC	△	10.0						
- 10.01F-DLC	△	10.01	110	10	0.6	5.0	29	60
- 10.02F-DLC	△	10.02						
- 10.03F-DLC	△	10.03						
- 10.04F-DLC	△	10.04						
- 10.05F-DLC	△	10.05	110	10	0.6	5.0	29	60
- 10.1 F-DLC	△	10.1						
- 10.2 F-DLC	△	10.2						
- 10.3 F-DLC	△	10.3						
- 10.4 F-DLC	△	10.4	115	12	0.6	5.0	29	65
- 10.5 F-DLC	△	10.5						
- 10.6 F-DLC	△	10.6						
- 10.7 F-DLC	△	10.7						
- 10.8 F-DLC	△	10.8	115	12	0.6	5.0	29	65
- 10.9 F-DLC	△	10.9						
- 10.97F-DLC	△	10.97						
- 10.98F-DLC	△	10.98						
- 10.99F-DLC	△	10.99	115	12	0.6	5.0	29	65
- 11.0 F-DLC	△	11.0						
- 11.01F-DLC	△	11.01						
- 11.02F-DLC	△	11.02						
- 11.03F-DLC	△	11.03	115	12	0.6	5.0	29	65
- 11.04F-DLC	△	11.04						

★PL means chamfering length to ϕ DC.

★Please slightly decrease feed rate before reaching the bottom of the hole without using G86.

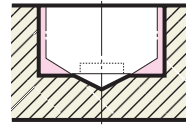
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NIKKEN CARBIDE RADICAL MILL REAMER DLC COATING

NIKKEN

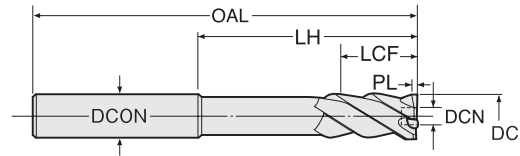
RRSS-F-DLC

RIGHT HAND HELICAL For BLIND HOLE
Carbide Radical Mill Reamer (DLC Coating)



Explanation of the Code No.

RRSS - **10.0** - **F** - **DLC**
 • **DLC COATING**
 • **FOR BLIND HOLE**
 • **DIAMETER**
 • **RADICAL MILLREAMER SERIES**
 RRSS : STRAIGHT SHANK RIGHT HAND HELICAL FOR BLIND HOLE



⚠ LCF must be longer than hole depth

MILLING
BLADE

RH-HELIX
30°

DLC
COAT

P.134

*See P.4 for icons.

STOCK: ●=STANDARD STOCK ITEM(IN JAPAN) △=PRODUCTION BY ORDER

Code No.	STOCK	DC H7	OAL	DCON	PL	DCN	LCF	LH
RRSS-11.05F-DLC	△	11.05	115	12	0.6	5.0	29	65
-11.1 F-DLC	△	11.1						
-11.2 F-DLC	△	11.2						
-11.3 F-DLC	△	11.3						
-11.4 F-DLC	△	11.4						
-11.5 F-DLC	△	11.5	125	12	0.6	6.0	29	70
-11.6 F-DLC	△	11.6						
-11.7 F-DLC	△	11.7						
-11.8 F-DLC	△	11.8						
-11.9 F-DLC	△	11.9						
-11.97F-DLC	△	11.97						
-11.98F-DLC	△	11.98						
-11.99F-DLC	△	11.99						
-12.0 F-DLC	△	12.0						
-12.01F-DLC	△	12.01	125	12	0.6	6.0	29	70
-12.02F-DLC	△	12.02						
-12.03F-DLC	△	12.03						
-12.04F-DLC	△	12.04						
-12.05F-DLC	△	12.05						
-12.1 F-DLC	△	12.1						
-12.2 F-DLC	△	12.2						
-12.3 F-DLC	△	12.3						
-12.4 F-DLC	△	12.4						
-12.5 F-DLC	△	12.5	130	12	0.6	6.0	29	75
-12.6 F-DLC	△	12.6						
-12.7 F-DLC	△	12.7						
-12.8 F-DLC	△	12.8						
-12.9 F-DLC	△	12.9						
-12.97F-DLC	△	12.97						
-12.98F-DLC	△	12.98						
-12.99F-DLC	△	12.99						

Code No.	STOCK	DC H7	OAL	DCON	PL	DCN	LCF	LH
RRSS-13.0 F-DLC	△	13.0	130	12	0.6	6.0	29	75
-13.01F-DLC	△	13.01	130	12	0.6	6.0	29	75
-13.02F-DLC	△	13.02						
-13.03F-DLC	△	13.03						
-13.04F-DLC	△	13.04						
-13.05F-DLC	△	13.05						
-13.1 F-DLC	△	13.1	130	16	0.6	7.0	29	75
-13.2 F-DLC	△	13.2						
-13.3 F-DLC	△	13.3						
-13.4 F-DLC	△	13.4						
-13.5 F-DLC	△	13.5						
-13.6 F-DLC	△	13.6						
-13.7 F-DLC	△	13.7						
-13.8 F-DLC	△	13.8						
-13.9 F-DLC	△	13.9						
-13.97F-DLC	△	13.97						
-13.98F-DLC	△	13.98	130	16	0.6	7.0	29	75
-13.99F-DLC	△	13.99						
-14.0 F-DLC	△	14.0						
-14.01F-DLC	△	14.01						
-14.02F-DLC	△	14.02						
-14.03F-DLC	△	14.03	130	16	0.6	7.0	29	75
-14.04F-DLC	△	14.04						
-14.05F-DLC	△	14.05						
-15.0 F-DLC	△	15.0	140	16	0.6	7.0	29	80
-16.0 F-DLC	△	16.0	150	16	0.6	7.0	30	90
-17.0 F-DLC	△	17.0	150	16	0.6	8.0	30	90
-18.0 F-DLC	△	18.0	155	20	0.6	9.0	30	90
-19.0 F-DLC	△	19.0	155	20	0.6	9.0	30	90
-20.0 F-DLC	△	20.0	160	20	0.6	9.0	30	95

★PL means chamfering length to Φ DC.

★DCN is the front end bore diameter without bottom teeth, thus please make sure predrilled hole should be larger than Φ DCN.

★As the chips may tangle, we recommend Right-handed Helix Radical Reamer with OH.

★This is not suitable to use on drilling machine due to tensile force of right-handed. Please use on machining center, NC lathe and milling machine.

★Please slightly decrease feed rate before reaching the bottom of the hole without using G86.



DLC coating reamer is for aluminium and non-ferrous metals reaming. Please select most suitable reamer for the other materials. **P.5, P.6**

CARBIDE

FOR BLIND HOLE

