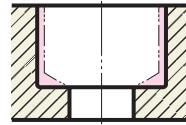


NIKKEN CARBIDE RADICAL MILL REAMER

NIKKEN

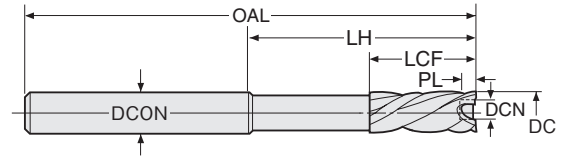
PF-RFSS

For STEPPED HOLE
Carbide PF Radical Mill Reamer (Straight Shank)



Explanation of the Code No.

- PF - RFSS - 12.0
- DIAMETER
 - RADICAL MILLREAMER SERIES
 - RFSS : STRAIGHT SHANK FOR STEPPED HOLE
 - NONE: SOLID CARBIDE PF: PRESS FIT



MILLING
BLADE

LH-HELIX
30-35°

TiCN2
COAT

P.133

*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
PF-RFSS-10.5	●	10.5	115	12	0.6	5.0	22	65
-11.0	●	11.0	115	12	0.6	5.0	22	65
-11.5	●	11.5	125	12	0.6	5.0	22	70
-12.0	●	12.0	125	12	0.6	5.0	22	70
-12.5	●	12.5	130	12	0.6	5.0	22	75
-13.0	●	13.0	130	12	0.6	5.0	22	75
-13.5	●	13.5	130	16	0.6	7.0	22	75
-14.0	●	14.0	130	16	0.6	7.0	22	75
-15.0	●	15.0	140	16	0.6	7.0	22	80
-16.0	●	16.0	150	16	0.6	7.0	22	90
-17.0	●	17.0	150	20	0.6	7.0	24	90
-18.0	●	18.0	155	20	0.6	7.0	24	90

Code No.	STOCK	DC H7	OAL	DCON	PL	DCN	LCF	LH
PF-RFSS-19.0	●	19.0	155	20	0.6	9.0	24	90
-20.0	●	20.0	160	20	0.6	9.0	24	95
-21.0	●	21.0	170	20	0.6	9.0	24	105
-22.0	●	22.0	170	20	0.6	9.0	28	105
-23.0	●	23.0	180	25	0.6	9.0	28	110
-24.0	●	24.0	180	25	0.6	11.0	28	110
-25.0	●	25.0	190	25	0.6	11.0	28	120
-26.0	●	26.0	190	25	0.6	11.0	28	120
-27.0	●	27.0	190	25	0.6	14.0	28	120
-28.0	●	28.0	200	32	0.6	15.0	34	120
-29.0	●	29.0	200	32	0.6	15.0	34	120
-30.0	●	30.0	200	32	0.6	15.0	34	120

★PL means chamfering length to DC.

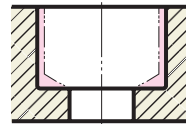
★Please slightly decrease feed rate before reaching the bottom of the hole without using G86.

NIKKEN CARBIDE RADICAL MILL REAMER LONG TYPE

NIKKEN

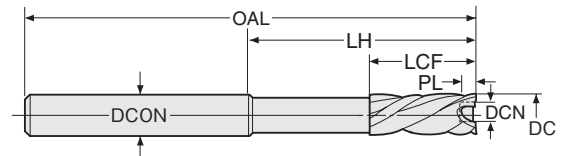
RFS

For STEPPED HOLE
Carbide Radical Mill Reamer (Long Type)



Explanation of the Code No.

- RFS - 12.0
- DIAMETER
 - RADICAL MILLREAMER SERIES
 - RFS : STRAIGHT SHANK LONG TYPE FOR STEPPED HOLE



MILLING
BLADE

LH-HELIX
30-35°

TiCN2
COAT

P.133

*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
RFS-4.3	△	4.3						
-4.4	△	4.4						
-4.5	△	4.5	75	5	0.6	2.0	22	45
-4.6	△	4.6						
-4.7	△	4.7						
-4.8	△	4.8						
-4.9	△	4.9						
-4.97	△	4.97	75	5	0.6	2.5	22	45
-4.98	△	4.98						
-4.99	△	4.99						
-5.0	△	5.0						
-5.01	△	5.01						
-5.02	△	5.02						
-5.03	△	5.03						
-5.04	△	5.04	75	5	0.6	2.5	22	45
-5.05	△	5.05						
-5.1	△	5.1						
-5.2	△	5.2						
-5.3	△	5.3						
-5.4	△	5.4						
-5.5	△	5.5	100	6	0.6	3.0	25	65
-5.6	△	5.6						

Code No.	STOCK	DC H7	OAL	DCON	PL	DCN	LCF	LH
RFS-5.7	△	5.7						
-5.8	△	5.8						
-5.9	△	5.9						
-5.97	△	5.97	100	6	0.6	3.0	25	65
-5.98	△	5.98						
-5.99	△	5.99						
-6.0	△	6.0						
-6.01	△	6.01						
-6.02	△	6.02						
-6.03	△	6.03						
-6.04	△	6.04	100	6	0.6	3.0	25	65
-6.05	△	6.05						
-6.1	△	6.1						
-6.2	△	6.2						
-6.3	△	6.3						
-6.4	△	6.4						
-6.5	△	6.5	110	8	0.6	3.0	25	70
-6.6	△	6.6						
-6.7	△	6.7						
-6.8	△	6.8						
-6.9	△	6.9	110	8	0.6	3.5	25	70
-6.97	△	6.97						

★PL means chamfering length to DC.

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

Next page

CARBIDE
FOR STEPPED HOLE

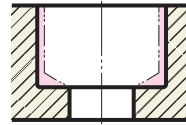


NIKKEN CARBIDE RADICAL MILL REAMER LONG TYPE

NIKKEN

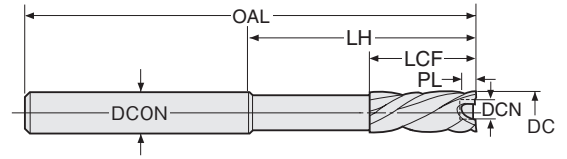
RFS

For STEPPED HOLE
Carbide Radical Mill Reamer (Long Type)



Explanation of the Code No.

RFS - 12.0
↓ DIAMETER
● RADICAL MILLREAMER SERIES
RFS : STRAIGHT SHANK LONG TYPE FOR STEPPED HOLE



MILLING BLADE LH-HELIX 30-35° TiCN2 COAT P.133 *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
RFS- 6.98	△	6.98	110	8	0.6	3.5	25	70
- 6.99	△	6.99						
- 7.0	△	7.0						
- 7.01	△	7.01						
- 7.02	△	7.02	110	8	0.6	3.5	25	70
- 7.03	△	7.03						
- 7.04	△	7.04						
- 7.05	△	7.05						
- 7.1	△	7.1	125	8	0.6	4.0	20	85
- 7.2	△	7.2						
- 7.3	△	7.3						
- 7.4	△	7.4						
- 7.5	△	7.5	125	8	0.6	4.0	20	85
- 7.6	△	7.6						
- 7.7	△	7.7						
- 7.8	△	7.8						
- 7.9	△	7.9	135	10	0.6	4.5	20	90
- 7.97	△	7.97						
- 7.98	△	7.98						
- 7.99	△	7.99						
- 8.0	△	8.0	135	10	0.6	4.5	20	90
- 8.01	△	8.01						
- 8.02	△	8.02						
- 8.03	△	8.03						
- 8.04	△	8.04	135	10	0.6	4.5	20	90
- 8.05	△	8.05						
- 8.1	△	8.1						
- 8.2	△	8.2						
- 8.3	△	8.3	135	10	0.6	4.5	20	90
- 8.4	△	8.4						
- 8.5	△	8.5						
- 8.6	△	8.6						
- 8.7	△	8.7	150	10	0.6	5.0	22	100
- 8.8	△	8.8						
- 8.9	△	8.9						
- 8.97	△	8.97						
- 8.98	△	8.98	150	10	0.6	5.0	22	100
- 8.99	△	8.99						
- 9.0	△	9.0						
- 9.01	△	9.01						
- 9.02	△	9.02	150	10	0.6	5.0	22	100
- 9.03	△	9.03						
- 9.04	△	9.04						
- 9.05	△	9.05						
- 9.1	△	9.1	150	10	0.6	5.0	22	100
- 9.2	△	9.2						
- 9.3	△	9.3						
- 9.4	△	9.4						
- 9.5	△	9.5	150	10	0.6	5.0	22	100
- 9.6	△	9.6						
- 9.7	△	9.7						
- 9.8	△	9.8						
- 9.9	△	9.9	150	10	0.6	5.0	22	100
- 9.97	△	9.97						
- 9.98	△	9.98						
- 9.99	△	9.99						
-10.0	△	10.0	150	10	0.6	5.0	22	100
-10.01	△	10.01						

Code No.	STOCK	DC H7	OAL	DCON	PL	DCN	LCF	LH
RFS-10.02	△	10.02	150	10	0.6	5.0	22	100
-10.03	△	10.03						
-10.04	△	10.04						
-10.05	△	10.05						
-10.1	△	10.1	155	12	0.6	5.0	22	105
-10.2	△	10.2						
-10.3	△	10.3						
-10.4	△	10.4						
-10.5	△	10.5	155	12	0.6	5.0	22	105
-10.6	△	10.6						
-10.7	△	10.7						
-10.8	△	10.8						
-10.9	△	10.9	155	12	0.6	5.0	22	105
-10.97	△	10.97						
-10.98	△	10.98						
-10.99	△	10.99						
-11.0	△	11.0	160	12	0.6	6.0	22	105
-11.01	△	11.01						
-11.02	△	11.02						
-11.03	△	11.03						
-11.04	△	11.04	160	12	0.6	6.0	22	105
-11.05	△	11.05						
-11.1	△	11.1						
-11.2	△	11.2						
-11.3	△	11.3	160	12	0.6	6.0	22	105
-11.4	△	11.4						
-11.5	△	11.5						
-11.6	△	11.6						
-11.7	△	11.7	160	12	0.6	6.0	22	105
-11.8	△	11.8						
-11.9	△	11.9						
-11.97	△	11.97						
-11.98	△	11.98	160	12	0.6	6.0	22	105
-11.99	△	11.99						
-12.0	△	12.0						
-12.01	△	12.01	160	12	0.6	6.0	22	105
-12.02	△	12.02						
-12.03	△	12.03						
-12.04	△	12.04						
-12.05	△	12.05	165	12	0.6	6.0	22	110
-12.1	△	12.1						
-12.2	△	12.2						
-12.3	△	12.3						
-12.4	△	12.4	165	12	0.6	6.0	22	110
-12.5	△	12.5						
-12.6	△	12.6						
-12.7	△	12.7						
-12.8	△	12.8	165	12	0.6	6.0	22	110
-12.9	△	12.9						
-12.97	△	12.97						
-12.98	△	12.98						
-12.99	△	12.99	165	12	0.6	6.0	22	110
-13.0	△	13.0						
-13.01	△	13.01						
-13.02	△	13.02						
-13.03	△	13.03	165	12	0.6	6.0	22	110
-13.04	△	13.04						
-13.05	△	13.05						

★PL means chamfering length to DC.

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

Next page

NIKKEN CARBIDE RADICAL MILL REAMER LONG TYPE

NIKKEN

RFS

For STEPPED HOLE
Carbide Radical Mill Reamer (Long Type)



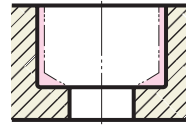
MILLING
BLADE

LH-HELIX
30-35°

TiCN2
COAT

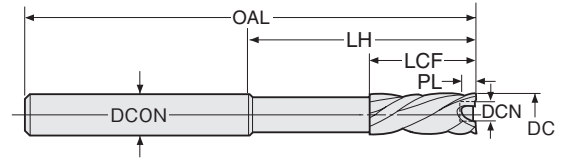
P.133

*See P.4 for icons.



Explanation of the Code No.

RFS - **12.0**
● DIAMETER
● RADICAL MILLREAMER SERIES
RFS : STRAIGHT SHANK LONG TYPE FOR STEPPED HOLE



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

Code No.	STOCK	DC H7	OAL	DCON	PL	DCN	LCF	LH
RFS-13.1	△	13.1	165	12	0.6	6.0	22	110
-13.2	△	13.2						
-13.3	△	13.3						
-13.4	△	13.4						
-13.5	△	13.5						
-13.6	△	13.6	170	16	0.6	7.0	22	115
-13.7	△	13.7						
-13.8	△	13.8						
-13.9	△	13.9						
-13.97	△	13.97						
-13.98	△	13.98						
-13.99	△	13.99						

Code No.	STOCK	DC H7	OAL	DCON	PL	DCN	LCF	LH
RFS-14.0	△	14.0	170	16	0.6	7.0	29	115
-14.01	△	14.01						
-14.02	△	14.02						
-14.03	△	14.03						
-14.04	△	14.04						
-14.05	△	14.05	180	16	0.6	7.0	29	120
-15.0	△	15.0						
-16.0	△	16.0						
-17.0	△	17.0						
-18.0	△	18.0						
-19.0	△	19.0	195	20	0.6	9.0	30	130
-20.0	△	20.0						

★PL means chamfering length to DC.

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

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

CARBIDE

FOR STEPPED HOLE



FOR BLIND HOLE



NIKKEN CARBIDE RIGHT HAND HELICAL RADICAL MILL REAMER

NIKKEN

RRSS-F

RIGHT HAND HELICAL For BLIND HOLE
Radical Mill Reamer



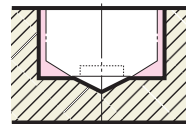
MILLING
BLADE

RH-HELIX
30-40°

TiCN2
COAT

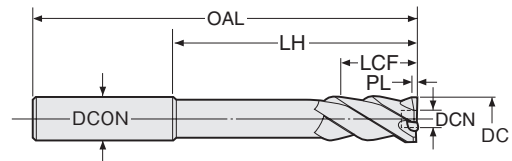
P.133

*See P.4 for icons.



Explanation of the Code No.

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



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

⚠ LCF must be longer than hole depth

Code No.	STOCK	DC H7	OAL	DCON	PL	DCN	LCF	LH
RRSS- 2.97F	△	2.97	60	3	0.6	1.2	16	35
- 2.98F	△	2.98						
- 2.99F	△	2.99						
- 3.0 F	△	3.0						
- 3.01F	△	3.01						
- 3.02F	△	3.02	60	3	0.6	1.2	16	35
- 3.03F	△	3.03						
- 3.04F	△	3.04						
- 3.05F	△	3.05						
- 3.1 F	△	3.1						
- 3.2 F	△	3.2	60	4	0.6	2.0	18	35
- 3.3 F	△	3.3						
- 3.4 F	△	3.4						
- 3.5 F	△	3.5						
- 3.6 F	△	3.6						
- 3.7 F	△	3.7						
- 3.8 F	△	3.8						
- 3.9 F	△	3.9						
- 3.97F	△	3.97						
- 3.98F	△	3.98						

Code No.	STOCK	DC H7	OAL	DCON	PL	DCN	LCF	LH
RRSS- 3.99F	△	3.99	60	4	0.6	2.0	18	35
- 4.0 F	△	4.0						
- 4.01F	△	4.01						
- 4.02F	△	4.02						
- 4.03F	△	4.03						
- 4.04F	△	4.04	60	4	0.6	2.0	18	35
- 4.05F	△	4.05						
- 4.1 F	△	4.1						
- 4.2 F	△	4.2						
- 4.3 F	△	4.3						
- 4.4 F	△	4.4	70	5	0.6	2.0	22	40
- 4.5 F	△	4.5						
- 4.6 F	△	4.6						
- 4.7 F	△	4.7						
- 4.8 F	△	4.8						
- 4.9 F	△	4.9	70	5	0.6	2.5	22	40
- 4.97F	△	4.97						
- 4.98F	△	4.98						
- 4.99F	△	4.99						
- 5.0 F	△	5.0						

★PL means chamfering length to DC.

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

Next page