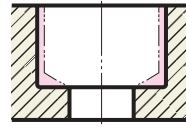


NIKKEN CARBIDE RADICAL MILL REAMER



PF-RFSS

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



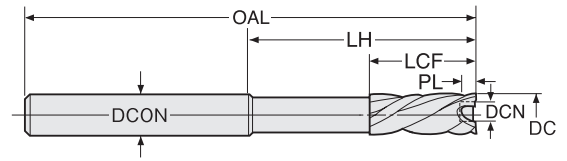
Explanation of the Code No.

PF - RFSS - 12.0

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



*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 Φ DC.

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

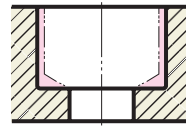
CARBIDE FOR STEPPED HOLE

NIKKEN CARBIDE RADICAL MILL REAMER LONG TYPE



RFS

For STEPPED HOLE
Carbide Radical Mill Reamer (Long Type)



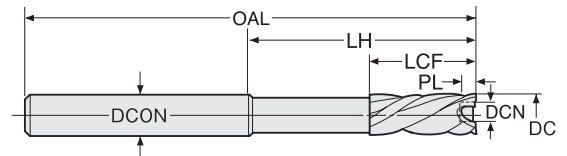
Explanation of the Code No.

RFS - 12.0

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



*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 Φ DC.

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

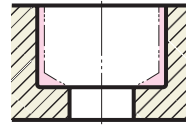
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NIKKEN CARBIDE RADICAL MILL REAMER LONG TYPE



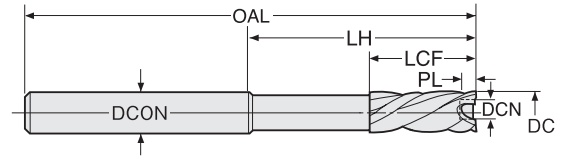
RFS

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

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

*PL means chamfering length to φDC.
 *Please slightly decrease feed rate before reaching the bottom of the hole without using G86.

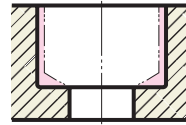


NIKKEN CARBIDE RADICAL MILL REAMER LONG TYPE

NIKKEN

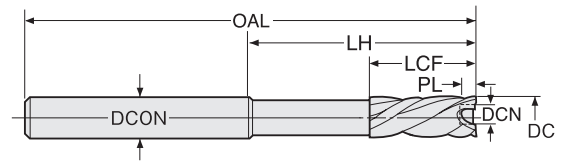
RFS

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-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						
-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						
-15.0	△	15.0	180	16	0.6	7.0	29	120
-16.0	△	16.0						
-17.0	△	17.0						
-18.0	△	18.0						
-19.0	△	19.0						
-20.0	△	20.0						

★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.

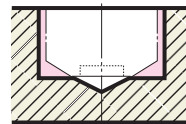
CARBIDE FOR STEPPED HOLE FOR BLIND HOLE

NIKKEN CARBIDE RIGHT HAND HELICAL RADICAL MILL REAMER

NIKKEN

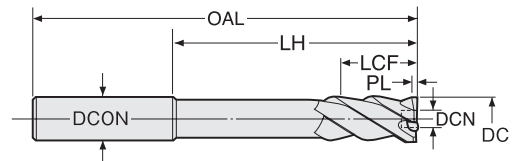
RRSS-F

RIGHT HAND HELICAL For BLIND HOLE
Radical Mill Reamer



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



MILLING BLADE **RH-HELIX 30-40°** **TICN2 COAT** **P.133** *See P.4 for icons.

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						
- 3.03F	△	3.03						
- 3.04F	△	3.04						
- 3.05F	△	3.05						
- 3.1 F	△	3.1						
- 3.2 F	△	3.2						
- 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						
- 4.05F	△	4.05						
- 4.1 F	△	4.1	70	5	0.6	2.0	22	40
- 4.2 F	△	4.2						
- 4.3 F	△	4.3						
- 4.4 F	△	4.4						
- 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						
- 4.97F	△	4.97						
- 4.98F	△	4.98						
- 4.99F	△	4.99						
- 5.0 F	△	5.0	70	5	0.6	2.5	22	40

★PL means chamfering length to ϕ DC.
 ★Please slightly decrease feed rate before reaching the bottom of the hole without using G86.

Next page