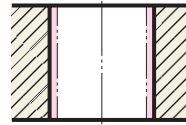


NIKKEN CARBIDE RADICAL MILL REAMER



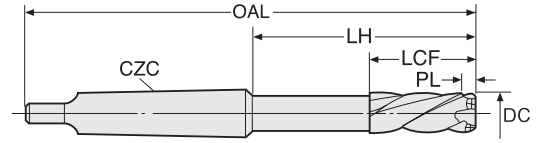
PF-RMMS Carbide Radical Mill Reamer (Morse taper Shank)



Explanation of the Code No.

PF- RMMS - 12.0

- DIAMETER
- RADICAL MILLREAMER SERIES
- RMMS : MORSE TAPER SHANK
- 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	CZC	PL	LCF	LH
PF-RMMS- 10.5	●	10.5	130	MT1	7.6	22	64.5
- 11.0	●	11.0	130	MT1	7.9	22	64.5
- 11.5	●	11.5	135	MT1	7.9	22	69.5
- 12.0	●	12.0	135	MT1	7.9	22	69.5
- 12.5	●	12.5	140	MT1	7.9	22	74.5
- 13.0	●	13.0	140	MT1	8.2	22	74.5
- 13.5	●	13.5	140	MT1	8.2	22	74.5
- 14.0	●	14.0	140	MT1	9.0	22	74.5
- 15.0	●	15.0	160	MT2	9.0	22	80
- 16.0	●	16.0	170	MT2	9.4	24	90
- 17.0	●	17.0	170	MT2	9.4	24	90
- 18.0	●	18.0	170	MT2	9.4	24	90

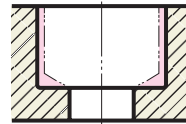
Code No.	STOCK	DC H7	OAL	CZC	PL	LCF	LH
PF-RMMS- 19.0	●	19.0	170	MT2	9.4	24	90
- 20.0	●	20.0	175	MT2	9.8	24	95
- 21.0	●	21.0	185	MT2	10.3	24	105
- 22.0	●	22.0	185	MT2	10.8	28	105
- 23.0	●	23.0	190	MT2	10.8	28	110
- 24.0	●	24.0	210	MT3	10.8	28	111
- 25.0	●	25.0	220	MT3	11.3	28	121
- 26.0	●	26.0	220	MT3	11.3	28	121
- 27.0	●	27.0	220	MT3	11.3	28	121
- 28.0	●	28.0	220	MT3	11.6	34	121
- 29.0	●	29.0	220	MT3	11.6	34	121
- 30.0	●	30.0	220	MT3	11.6	34	121

★PL means chamfering length to Φ DC. ★Long type is also available.
 ★MT shank is determined by reamer dia : $\sim\phi 14$: MT1, $\phi 15 \sim \phi 23$: MT2, $\phi 24 \sim \phi 30$: MT3, $\phi 31$
 ★Please use Radical Mill Reamer of $\phi 10$ or less with straight shank. P.16

NIKKEN CARBIDE RADICAL MILL REAMER



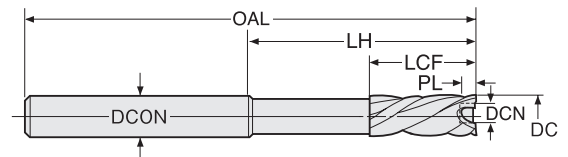
RFSS For Stepped Hole Carbide Radical Mill Reamer (Straight Shank)



Explanation of the Code No.

RFSS - 12.0

- DIAMETER
- RADICAL MILLREAMER SERIES
- RFSS : STRAIGHT SHANK 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
RFSS- 3.97	△	3.97						
- 3.98	△	3.98	60	4	0.6	2.0	18	35
- 3.99	△	3.99						
- 4.0	●	4.0						
- 4.01	△	4.01						
- 4.02	△	4.02	60	4	0.6	2.0	18	35
- 4.03	△	4.03						
- 4.04	△	4.04						
- 4.05	△	4.05						
- 4.1	△	4.1	70	5	0.6	2.0	22	40
- 4.2	△	4.2						
- 4.3	△	4.3						
- 4.4	△	4.4						
- 4.5	●	4.5	70	5	0.6	2.5	22	40
- 4.6	△	4.6						
- 4.7	△	4.7						
- 4.8	△	4.8						
- 4.9	△	4.9	70	5	0.6	2.5	22	40
- 4.97	△	4.97						
- 4.98	△	4.98						
- 4.99	△	4.99						

Code No.	STOCK	DC H7	OAL	DCON	PL	DCN	LCF	LH
RFSS- 5.0	●	5.0	70	5	0.6	2.5	22	40
- 5.01	△	5.01	70	5	0.6	2.5	22	40
- 5.02	△	5.02						
- 5.03	△	5.03						
- 5.04	△	5.04						
- 5.05	△	5.05	85	6	0.6	3.0	25	50
- 5.1	△	5.1						
- 5.2	△	5.2						
- 5.3	△	5.3						
- 5.4	△	5.4	85	6	0.6	3.0	25	50
- 5.5	●	5.5						
- 5.6	△	5.6						
- 5.7	△	5.7						
- 5.8	△	5.8	85	6	0.6	3.0	25	50
- 5.9	△	5.9						
- 5.97	△	5.97						
- 5.98	△	5.98						
- 5.99	△	5.99	85	6	0.6	3.0	25	50
- 6.0	●	6.0						
- 6.01	△	6.01						
- 6.02	△	6.02						

★PL means chamfering length to Φ DC.

Next page

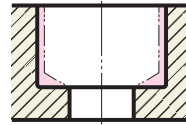
CARBIDE FOR THROUGH HOLE FOR STEPPED HOLE

NIKKEN CARBIDE RADICAL MILL REAMER



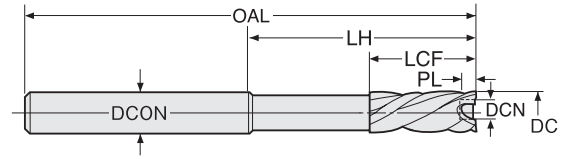
RFSS

For STEPPED HOLE
Carbide Radical Mill Reamer (Straight Shank)



Explanation of the Code No.

- RFSS - 12.0
- DIAMETER
- RADICAL MILLREAMER SERIES
- RFSS : STRAIGHT SHANK 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
RFSS- 6.03	△	6.03	85	6	0.6	3.0	25	50
- 6.04	△	6.04						
- 6.05	△	6.05						
- 6.1	△	6.1						
- 6.2	△	6.2						
- 6.3	△	6.3	90	8	0.6	3.0	25	50
- 6.4	△	6.4						
- 6.5	●	6.5						
- 6.6	△	6.6						
- 6.7	△	6.7						
- 6.8	△	6.8	90	8	0.6	3.5	25	50
- 6.9	△	6.9						
- 6.97	△	6.97						
- 6.98	△	6.98						
- 6.99	△	6.99						
- 7.0	●	7.0	90	8	0.6	3.5	25	50
- 7.01	△	7.01						
- 7.02	△	7.02						
- 7.03	△	7.03						
- 7.04	△	7.04						
- 7.05	△	7.05	100	8	0.6	4.0	25	60
- 7.1	△	7.1						
- 7.2	△	7.2						
- 7.3	□	7.3						
- 7.4	□	7.4						
- 7.5	●	7.5	100	8	0.6	4.0	25	60
- 7.6	△	7.6						
- 7.7	△	7.7						
- 7.8	△	7.8						
- 7.9	△	7.9						
- 7.97	△	7.97	105	10	0.6	4.5	25	60
- 7.98	△	7.98						
- 7.99	△	7.99						
- 8.0	●	8.0						
- 8.01	△	8.01						
- 8.02	△	8.02						
- 8.03	△	8.03						
- 8.04	△	8.04						
- 8.05	△	8.05						
- 8.1	△	8.1	105	10	0.6	4.5	25	60
- 8.2	△	8.2						
- 8.3	△	8.3						
- 8.4	△	8.4						
- 8.5	●	8.5						
- 8.6	△	8.6	105	10	0.6	4.5	25	60
- 8.7	△	8.7						
- 8.8	△	8.8						
- 8.9	△	8.9						
- 8.97	△	8.97						
- 8.98	△	8.98	105	10	0.6	4.5	25	60
- 8.99	△	8.99						
- 9.0	●	9.0						
- 9.01	△	9.01						
- 9.02	△	9.02						
- 9.03	△	9.03	105	10	0.6	4.5	25	60
- 9.04	△	9.04						
- 9.05	△	9.05						
- 9.1	△	9.1						

Code No.	STOCK	DC H7	OAL	DCON	PL	DCN	LCF	LH
RFSS- 9.2	△	9.2	105	10	0.6	4.5	25	60
- 9.3	△	9.3	110	10	0.6	5.0	29	60
- 9.4	△	9.4						
- 9.5	●	9.5						
- 9.6	△	9.6						
- 9.7	△	9.7						
- 9.8	△	9.8	110	10	0.6	5.0	29	65
- 9.9	△	9.9						
- 9.97	△	9.97						
- 9.98	△	9.98						
- 9.99	△	9.99						
-10.0	●	10.0	110	10	0.6	5.0	29	65
-10.01	△	10.01						
-10.02	△	10.02						
-10.03	△	10.03						
-10.04	△	10.04						
-10.05	△	10.05	110	10	0.6	5.0	29	65
-10.1	△	10.1						
-10.2	△	10.2						
-10.3	△	10.3						
-10.4	△	10.4						
-10.5	△	10.5	115	12	0.6	5.0	29	65
-10.6	△	10.6						
-10.7	△	10.7						
-10.8	△	10.8						
-10.9	△	10.9						
-10.97	△	10.97	115	12	0.6	5.0	29	65
-10.98	△	10.98						
-10.99	△	10.99						
-11.0	△	11.0						
-11.01	△	11.01						
-11.02	△	11.02						
-11.03	△	11.03						
-11.04	△	11.04						
-11.05	△	11.05						
-11.1	△	11.1	125	12	0.6	6.0	29	70
-11.2	△	11.2						
-11.3	△	11.3						
-11.4	△	11.4						
-11.5	△	11.5						
-11.6	△	11.6	125	12	0.6	6.0	29	70
-11.7	△	11.7						
-11.8	△	11.8						
-11.9	△	11.9						
-11.97	△	11.97						
-11.98	△	11.98	125	12	0.6	6.0	29	70
-11.99	△	11.99						
-12.0	△	12.0						
-12.01	△	12.01						
-12.02	△	12.02						
-12.03	△	12.03	130	12	0.6	6.0	29	75
-12.04	△	12.04						
-12.05	△	12.05						
-12.1	△	12.1						
-12.2	△	12.2						
-12.3	△	12.3						
-12.4	△	12.4						
-12.5	△	12.5						

CARBIDE FOR STEPPED HOLE



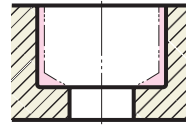
★PL means chamfering length to φDC.
★Please slightly decrease feed rate before reaching the bottom of the hole without using G86.

NIKKEN CARBIDE RADICAL MILL REAMER



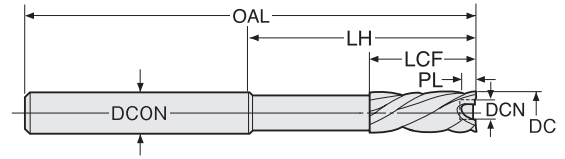
RFSS

For STEPPED HOLE
Carbide Radical Mill Reamer (Straight Shank)



Explanation of the Code No.

RFSS - **12.0**
 • DIAMETER
 • RADICAL MILLREAMER SERIES
 RFSS : STRAIGHT SHANK 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
RFSS-12.6	△	12.6	130	12	0.6	6.0	29	75
-12.7	△	12.7						
-12.8	△	12.8						
-12.9	△	12.9						
-12.97	△	12.97						
-12.98	△	12.98						
-12.99	△	12.99						
-13.0	△	13.0						
-13.01	△	13.01						
-13.02	△	13.02						
-13.03	△	13.03						
-13.04	△	13.04						
-13.05	△	13.05						
-13.1	△	13.1						
-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						
-14.0	△	14.0						
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-14.1	△	14.1						
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-14.3	△	14.3						
-14.4	△	14.4						
-14.5	△	14.5						
-14.6	△	14.6						
-14.7	△	14.7						
-14.8	△	14.8						
-14.9	△	14.9						
-14.97	△	14.97						
-14.98	△	14.98						
-14.99	△	14.99						
-15.0	△	15.0						
-15.1	△	15.1						
-15.2	△	15.2						
-15.3	△	15.3						
-15.4	△	15.4						
-15.5	△	15.5						
-15.6	△	15.6						
-15.7	△	15.7						
-15.8	△	15.8						
-15.9	△	15.9						
-16.0	△	16.0						
-16.1	△	16.1						
-16.2	△	16.2						
-16.3	△	16.3						

Code No.	STOCK	DC H7	OAL	DCON	PL	DCN	LCF	LH
RFSS-16.4	△	16.4	150	16	0.6	8.0	30	90
-16.5	△	16.5						
-16.6	△	16.6						
-16.7	△	16.7						
-16.8	△	16.8						
-16.9	△	16.9						
-17.0	△	17.0						
-17.1	△	17.1						
-17.2	△	17.2						
-17.3	△	17.3						
-17.4	△	17.4						
-17.5	△	17.5						
-17.6	△	17.6						
-17.7	△	17.7						
-17.8	△	17.8						
-17.9	△	17.9						
-18.0	△	18.0						
-18.1	△	18.1						
-18.2	△	18.2						
-18.3	△	18.3						
-18.4	△	18.4						
-18.5	△	18.5						
-18.6	△	18.6						
-18.7	△	18.7						
-18.8	△	18.8						
-18.9	△	18.9						
-19.0	△	19.0						
-19.1	△	19.1						
-19.2	△	19.2						
-19.3	△	19.3						
-19.4	△	19.4						
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-19.7	△	19.7						
-19.8	△	19.8						
-19.9	△	19.9						
-20.0	△	20.0						
-20.5	△	20.5						
-21.0	△	21.0						
-21.5	△	21.5						
-22.0	△	22.0						
-22.5	△	22.5						
-23.0	△	23.0						
-23.5	△	23.5						
-24.0	△	24.0						
-24.5	△	24.5						
-25.0	△	25.0						
-25.5	△	25.5						
-26.0	△	26.0						
-26.5	△	26.5						
-27.0	△	27.0						
-27.5	△	27.5						
-28.0	△	28.0						
-28.5	△	28.5						
-29.0	△	29.0						
-29.5	△	29.5						
-30.0	△	30.0						

★PL means chamfering length to φDC. ★DCN is the front end bore diameter without bottom teeth, thus please make sure predrilled hole should be larger than φDC.
 ★Long type is also available. RFS: P.22 ★Please slightly decrease feed rate before reaching the bottom of the hole without using G86.