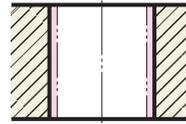


# NIKKEN NC SENSOR REAMER



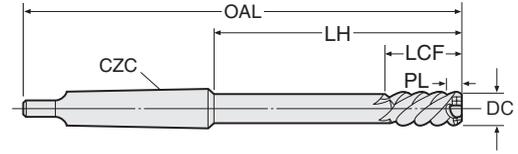
**NCM**

**NC Sensor Reamer (Mores Taper Shank)**



Explanation of the Code No.

**NCM - 10.0**  
 • DIAMETER  
 • NC SENSOR SERIES  
 NCS : STRAIGHT SHANK



**MILLING BLADE** **LH-HELIX 45°** **UNEQUAL** **TIN COAT** **P.138** \*See P.4 for icons.

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

Code No.	STOCK	DC H7	OAL	CZC	PL	LCF	LH
NCM- 72.0	●	72.0	400	MT5	15.0	65	244
- 73.0	●	73.0					
- 74.0	●	74.0					
- 75.0	●	75.0					
- 76.0	●	76.0					
- 77.0	●	77.0	400	MT5	15.5	65	244
- 78.0	●	78.0					
- 79.0	●	79.0					
- 80.0	●	80.0					
- 81.0	●	81.0					
- 82.0	●	82.0	400	MT5	15.5	65	244
- 83.0	●	83.0					
- 84.0	●	84.0					
- 85.0	●	85.0					
- 86.0	●	86.0					

Code No.	STOCK	DC H7	OAL	CZC	PL	LCF	LH
NCM- 87.0	●	87.0	400	MT5	15.5	65	244
- 88.0	●	88.0					
- 89.0	●	89.0					
- 90.0	●	90.0					
- 91.0	●	91.0					
- 92.0	●	92.0	400	MT5	15.5	65	244
- 93.0	●	93.0					
- 94.0	●	94.0					
- 95.0	●	95.0					
- 96.0	●	96.0					
- 97.0	●	97.0	400	MT5	15.5	65	244
- 98.0	●	98.0					
- 99.0	●	99.0					
- 100.0	●	100.0					

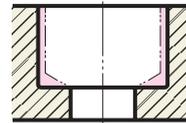
★PL means chamfering length to DC.  
 ★Straight shank NC sensor reamer is highly recommended.

# NIKKEN NC SENSOR REAMER



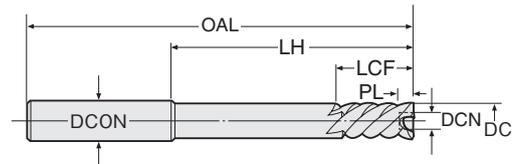
**NCS-F**

**For STEPPED HOLE NC Sensor Reamer (Straight Shank)**



Explanation of the Code No.

**NCS - 10.0 - F**  
 • FOR STEPPED HOLE  
 • DIAMETER  
 • NC SENSOR SERIES  
 NCS : STRAIGHT SHANK



**MILLING BLADE** **LH-HELIX 45°** **TIN COAT** **P.138** \*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
NCS- 2.97F	△	2.97	70	3	0.6	1.5	20	45
- 2.98F	△	2.98						
- 2.99F	△	2.99						
- 3.0 F	△	3.0						
- 3.1 F	△	3.1						
- 3.2 F	△	3.2	70	3	0.6	1.5	20	45
- 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	80	4	0.6	1.5	22	53
- 3.8 F	△	3.8						
- 3.9 F	△	3.9						
- 3.97F	△	3.97						
- 3.98F	△	3.98						
- 3.99F	△	3.99	80	4	0.6	1.5	22	53
- 4.0 F	△	4.0						
- 4.01F	△	4.01						
- 4.02F	△	4.02						
- 4.03F	△	4.03						

Code No.	STOCK	DC H7	OAL	DCON	PL	DCN	LCF	LH
NCS- 4.04F	△	4.04	80	4	0.6	1.5	22	53
- 4.05F	△	4.05						
- 4.1 F	△	4.1						
- 4.2 F	△	4.2						
- 4.3 F	△	4.3						
- 4.4 F	△	4.4	90	5	0.6	2.0	24	60
- 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	90	5	0.6	2.0	24	60
- 4.97F	△	4.97						
- 4.98F	△	4.98						
- 4.99F	△	4.99						
- 5.0 F	△	5.0						
- 5.01F	△	5.01	90	5	0.6	2.0	24	60
- 5.02F	△	5.02						
- 5.03F	△	5.03						
- 5.04F	△	5.04						
- 5.05F	△	5.05						

★PL means chamfering length to DC.

Next page >>>>

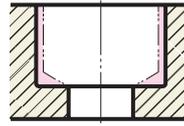
HSS FOR THROUGH HOLE FOR STEPPED HOLE

# NIKKEN NC SENSOR REAMER



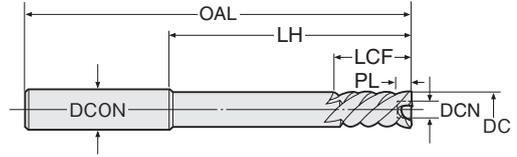
## NCS-F

For STEPPED HOLE  
**NC Sensor Reamer** (Straight Shank)



Explanation of the Code No.

**NCS** - **10.0** - **F**  
 • FOR STEPPED HOLE  
 • DIAMETER  
 • NC SENSOR SERIES  
 NCS : STRAIGHT SHANK



\*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
NCS- 5.1 F	△	5.1	90	5	0.6	2.0	24	60
- 5.2 F	△	5.2						
- 5.3 F	△	5.3						
- 5.4 F	△	5.4						
- 5.5 F	△	5.5						
- 5.6 F	△	5.6	100	6	0.6	3.3	25	65
- 5.7 F	△	5.7						
- 5.8 F	△	5.8						
- 5.9 F	△	5.9						
- 5.97F	△	5.97						
- 5.98F	△	5.98	100	6	0.6	3.3	25	65
- 5.99F	△	5.99						
- 6.0 F	●	6.0						
- 6.01F	△	6.01						
- 6.02F	△	6.02						
- 6.03F	△	6.03	100	6	0.6	3.3	25	65
- 6.04F	△	6.04						
- 6.05F	△	6.05						
- 6.1 F	△	6.1						
- 6.2 F	△	6.2						
- 6.3 F	△	6.3	110	8	0.6	3.3	25	70
- 6.4 F	△	6.4						
- 6.5 F	●	6.5						
- 6.6 F	△	6.6						
- 6.7 F	△	6.7						
- 6.8 F	△	6.8	110	8	0.6	3.3	25	70
- 6.9 F	△	6.9						
- 6.97F	△	6.97						
- 6.98F	△	6.98						
- 6.99F	△	6.99						
- 7.0 F	●	7.0	110	8	0.6	3.3	25	70
- 7.01F	△	7.01						
- 7.02F	△	7.02						
- 7.03F	△	7.03						
- 7.04F	△	7.04						
- 7.05F	△	7.05	125	8	0.6	3.5	25	85
- 7.1 F	△	7.1						
- 7.2 F	△	7.2						
- 7.3 F	△	7.3						
- 7.4 F	△	7.4						
- 7.5 F	●	7.5	125	8	0.6	3.5	25	85
- 7.6 F	△	7.6						
- 7.7 F	△	7.7						
- 7.8 F	△	7.8						
- 7.9 F	△	7.9						
- 7.97F	△	7.97	125	8	0.6	3.5	25	85
- 7.98F	△	7.98						
- 7.99F	△	7.99						
- 8.0 F	●	8.0						
- 8.01F	△	8.01						
- 8.02F	△	8.02	125	8	0.6	3.5	25	85
- 8.03F	△	8.03						
- 8.04F	△	8.04						
- 8.05F	△	8.05						
- 8.1 F	△	8.1						
- 8.2 F	△	8.2	135	10	0.6	4.0	30	90
- 8.3 F	△	8.3						
- 8.4 F	△	8.4						

Code No.	STOCK	DC H7	OAL	DCON	PL	DCN	LCF	LH
NCS- 8.5 F	●	8.5	135	10	0.6	4.0	30	90
- 8.6 F	△	8.6						
- 8.7 F	△	8.7						
- 8.8 F	△	8.8						
- 8.9 F	△	8.9						
- 8.97F	△	8.97	135	10	0.6	4.0	30	90
- 8.98F	△	8.98						
- 8.99F	△	8.99						
- 9.0 F	●	9.0						
- 9.01F	△	9.01						
- 9.02F	△	9.02	135	10	0.6	4.0	30	90
- 9.03F	△	9.03						
- 9.04F	△	9.04						
- 9.05F	△	9.05						
- 9.1 F	△	9.1						
- 9.2 F	△	9.2	150	10	0.6	4.5	30	100
- 9.3 F	△	9.3						
- 9.4 F	△	9.4						
- 9.5 F	●	9.5						
- 9.6 F	△	9.6						
- 9.7 F	△	9.7	150	10	0.6	4.5	30	100
- 9.8 F	△	9.8						
- 9.9 F	△	9.9						
- 9.97F	△	9.97						
- 9.98F	△	9.98						
- 9.99F	△	9.99	150	10	0.6	4.5	30	100
-10.0 F	●	10.0						
-10.01F	△	10.01						
-10.02F	△	10.02						
-10.03F	△	10.03						
-10.04F	△	10.04	155	12	0.6	4.5	30	105
-10.05F	△	10.05						
-10.1 F	△	10.1						
-10.2 F	△	10.2						
-10.3 F	△	10.3						
-10.4 F	△	10.4	155	12	0.6	4.5	30	105
-10.5 F	●	10.5						
-10.6 F	△	10.6						
-10.7 F	△	10.7						
-10.8 F	△	10.8						
-10.9 F	△	10.9	155	12	0.6	4.5	30	105
-10.97F	△	10.97						
-10.98F	△	10.98						
-10.99F	△	10.99						
-11.0 F	●	11.0						
-11.01F	△	11.01	160	12	0.6	5.5	30	105
-11.02F	△	11.02						
-11.03F	△	11.03						
-11.04F	△	11.04						
-11.05F	△	11.05						
-11.1 F	△	11.1	160	12	0.6	5.5	30	105
-11.2 F	△	11.2						
-11.3 F	△	11.3						
-11.4 F	△	11.4						
-11.5 F	●	11.5						
-11.6 F	△	11.6	160	12	0.6	5.5	30	105
-11.7 F	△	11.7						
-11.8 F	△	11.8						

★PL means chamfering length to DC.

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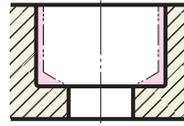
HSS FOR STEPPED HOLE

# NIKKEN NC SENSOR REAMER



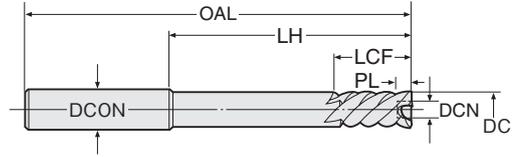
## NCS-F

For STEPPED HOLE  
**NC Sensor Reamer** (Straight Shank)



Explanation of the Code No.

**NCS** - **10.0** - **F**  
 • FOR STEPPED HOLE  
 • DIAMETER  
 • NC SENSOR SERIES  
 NCS : STRAIGHT SHANK



\*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
NCS-11.9 F	△	11.9						
-11.97F	△	11.97						
-11.98F	△	11.98	160	12	0.6	5.5	30	105
-11.99F	△	11.99						
-12.0 F	●	12.0						
-12.01F	△	12.01						
-12.02F	△	12.02						
-12.03F	△	12.03						
-12.04F	△	12.04	160	12	0.6	5.5	30	105
-12.05F	△	12.05						
-12.1 F	△	12.1						
-12.2 F	△	12.2						
-12.3 F	△	12.3						
-12.4 F	△	12.4						
-12.5 F	●	12.5						
-12.6 F	△	12.6						
-12.7 F	△	12.7						
-12.8 F	△	12.8	165	12	0.6	5.5	30	110
-12.9 F	△	12.9						
-12.97F	△	12.97						
-12.98F	△	12.98						
-12.99F	△	12.99						
-13.0 F	●	13.0						
-13.01F	△	13.01						
-13.02F	△	13.02						
-13.03F	△	13.03						
-13.04F	△	13.04	165	12	0.6	5.5	30	110
-13.05F	△	13.05						
-13.1 F	△	13.1						
-13.2 F	△	13.2						
-13.3 F	△	13.3						
-13.4 F	△	13.4						
-13.5 F	●	13.5						
-13.6 F	△	13.6						
-13.7 F	△	13.7						
-13.8 F	△	13.8	170	16	0.6	6.5	35	115
-13.9 F	△	13.9						
-13.97F	△	13.97						
-13.98F	△	13.98						
-13.99F	△	13.99						
-14.0 F	●	14.0						
-14.01F	△	14.01						
-14.02F	△	14.02						
-14.03F	△	14.03						
-14.04F	△	14.04	170	16	0.6	6.5	35	115
-14.05F	△	14.05						
-14.1 F	△	14.1						
-14.2 F	△	14.2						
-14.3 F	△	14.3						
-14.4 F	△	14.4						
-14.5 F	△	14.5						
-14.6 F	△	14.6						
-14.7 F	△	14.7	180	16	0.6	6.5	35	120
-14.8 F	△	14.8						
-14.9 F	△	14.9						
-14.97F	△	14.97						
-14.98F	△	14.98						
-14.99F	△	14.99						

Code No.	STOCK	DC H7	OAL	DCON	PL	DCN	LCF	LH
NCS-15.0 F	●	15.0	180	16	0.6	6.5	35	120
-15.01F	△	15.01						
-15.02F	△	15.02						
-15.03F	△	15.03						
-15.04F	△	15.04	180	16	0.6	6.5	35	120
-15.05F	△	15.05						
-15.1 F	△	15.1						
-15.2 F	△	15.2						
-15.3 F	△	15.3						
-15.4 F	△	15.4						
-15.5 F	△	15.5						
-15.6 F	△	15.6						
-15.7 F	△	15.7						
-15.8 F	△	15.8	185	16	0.6	6.5	35	125
-15.9 F	△	15.9						
-15.97F	△	15.97						
-15.98F	△	15.98						
-15.99F	△	15.99						
-16.0 F	●	16.0						
-16.01F	△	16.01						
-16.02F	△	16.02						
-16.03F	△	16.03						
-16.04F	△	16.04	185	16	0.6	6.5	35	125
-16.05F	△	16.05						
-16.1 F	△	16.1						
-16.2 F	△	16.2						
-16.3 F	△	16.3						
-16.4 F	△	16.4						
-16.5 F	△	16.5						
-16.6 F	△	16.6						
-16.7 F	△	16.7						
-16.8 F	△	16.8	185	16	0.6	7.0	35	125
-16.9 F	△	16.9						
-16.97F	△	16.97						
-16.98F	△	16.98						
-16.99F	△	16.99						
-17.0 F	●	17.0						
-17.01F	△	17.01						
-17.02F	△	17.02						
-17.03F	△	17.03						
-17.04F	△	17.04	185	16	0.6	7.0	35	125
-17.05F	△	17.05						
-17.1 F	△	17.1						
-17.2 F	△	17.2						
-17.3 F	△	17.3						
-17.4 F	△	17.4						
-17.5 F	△	17.5						
-17.6 F	△	17.6						
-17.7 F	△	17.7						
-17.8 F	△	17.8	195	20	0.6	8.0	40	130
-17.9 F	△	17.9						
-17.97F	△	17.97						
-17.98F	△	17.98						
-17.99F	△	17.99						
-18.0 F	●	18.0						
-18.01F	△	18.01						
-18.02F	△	18.02	195	20	0.6	8.0	40	130
-18.03F	△	18.03						

★PL means chamfering length to DC.

Next page >>>>

HSS FOR STEPPED HOLE

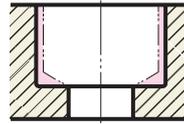


# NIKKEN NC SENSOR REAMER



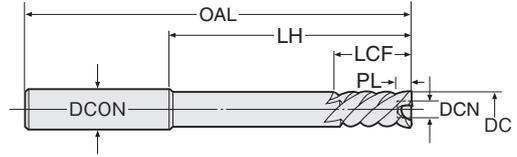
## NCS-F

For STEPPED HOLE  
**NC Sensor Reamer** (Straight Shank)



Explanation of the Code No.

**NCS** - **10.0** - **F**  
 • FOR STEPPED HOLE  
 • DIAMETER  
 • NC SENSOR SERIES  
 NCS : STRAIGHT SHANK



\*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
NCS-18.04F	△	18.04	195	20	0.6	8.0	40	130
-18.05F	△	18.05						
-18.1 F	△	18.1						
-18.2 F	△	18.2						
-18.3 F	△	18.3						
-18.4 F	△	18.4						
-18.5 F	△	18.5						
-18.6 F	△	18.6						
-18.7 F	△	18.7						
-18.8 F	△	18.8						
-18.9 F	△	18.9						
-18.97F	△	18.97						
-18.98F	△	18.98						
-18.99F	△	18.99						
-19.0 F	●	19.0						
-19.01F	△	19.01	195	20	0.6	8.0	40	130
-19.02F	△	19.02						
-19.03F	△	19.03						
-19.04F	△	19.04						
-19.05F	△	19.05						
-19.1 F	△	19.1						
-19.2 F	△	19.2						
-19.3 F	△	19.3						
-19.4 F	△	19.4						
-19.5 F	△	19.5						
-19.6 F	△	19.6						
-19.7 F	△	19.7						
-19.8 F	△	19.8						
-19.9 F	△	19.9						
-19.97F	△	19.97						
-19.98F	△	19.98						
-19.99F	△	19.99						
-20.0 F	●	20.0	205	20	0.6	9.0	40	140
-20.01F	△	20.01						
-20.02F	△	20.02						
-20.03F	△	20.03						
-20.04F	△	20.04						
-20.05F	△	20.05						
-20.5 F	△	20.5						
-21.0 F	●	21.0						
-21.5 F	△	21.5						
-22.0 F	●	22.0						
-22.5 F	△	22.5						
-23.0 F	●	23.0						
-23.5 F	△	23.5						
-24.0 F	●	24.0						
-24.5 F	△	24.5						
-25.0 F	●	25.0						
-25.5 F	△	25.5						
-26.0 F	●	26.0						
-26.5 F	△	26.5						
-27.0 F	●	27.0						
-27.5 F	△	27.5						
-28.0 F	●	28.0						
-28.5 F	△	28.5						
-29.0 F	●	29.0						
-29.5 F	△	29.5						
-30.0 F	●	30.0						

Code No.	STOCK	DC H7	OAL	DCON	PL	DCN	LCF	LH
NCS- 31.0 F	●	31.0	280	32	1.0	16	45	200
- 32.0 F	●	32.0	280	32	1.0	17	45	200
- 33.0 F	●	33.0	280	32	1.0	17	45	200
- 34.0 F	●	34.0	280	32	1.0	18	48	200
- 35.0 F	●	35.0	280	32	1.0	19	48	200
- 36.0 F	●	36.0	285	32	1.0	19	48	205
- 37.0 F	●	37.0	285	32	1.0	20	52	205
- 38.0 F	●	38.0	285	32	1.0	21	52	205
- 39.0 F	●	39.0						
- 40.0 F	●	40.0	285	32	1.0	22	52	205
- 41.0 F	●	41.0	285	32	1.5	23	55	205
- 42.0 F	●	42.0	290	32	1.5	23	55	210
- 43.0 F	●	43.0	290	32	1.5	24	55	210
- 44.0 F	●	44.0	290	32	1.5	25	55	210
- 45.0 F	●	45.0						
- 46.0 F	●	46.0						
- 47.0 F	●	47.0	295	32	1.5	26	60	215
- 48.0 F	●	48.0	295	32	1.5	27	60	215
- 49.0 F	●	49.0	310	32	1.5	27	60	230
- 50.0 F	●	50.0	310	32	1.5	28	60	230
- 51.0 F	●	51.0	310	32	1.5	29	60	230
- 52.0 F	●	52.0						
- 53.0 F	●	53.0	310	32	1.5	30	60	230
- 54.0 F	●	54.0	310	32	1.5	32	60	230
- 55.0 F	●	55.0	310	32	1.5	33	60	230
- 56.0 F	●	56.0	320	32	1.5	34	60	240
- 57.0 F	●	57.0	320	32	1.5	35	60	240
- 58.0 F	●	58.0	320	32	1.5	36	60	240
- 59.0 F	●	59.0	320	32	1.5	37	60	240
- 60.0 F	●	60.0	320	32	1.5	38	60	240
- 61.0 F	●	61.0	320	32	1.5	39	60	240
- 62.0 F	●	62.0	320	32	1.5	39	60	240
- 63.0 F	●	63.0	320	32	1.5	40	60	240
- 64.0 F	●	64.0	320	32	1.5	41	60	240
- 65.0 F	●	65.0	320	32	1.5	42	60	240
- 66.0 F	●	66.0	320	42	1.5	45	65	240
- 67.0 F	●	67.0	330	42	1.5	45	65	240
- 68.0 F	●	68.0						
- 69.0 F	●	69.0	330	42	1.5	48	65	240
- 70.0 F	●	70.0	330	42	1.5	50	65	240
- 71.0 F	●	71.0						
- 72.0 F	●	72.0						
- 73.0 F	●	73.0						
- 74.0 F	●	74.0						
- 75.0 F	●	75.0						
- 76.0 F	●	76.0						
- 77.0 F	●	77.0						
- 78.0 F	●	78.0						
- 79.0 F	●	79.0						
- 80.0 F	●	80.0						
- 81.0 F	●	81.0						
- 82.0 F	●	82.0						
- 83.0 F	●	83.0						
- 84.0 F	●	84.0						
- 85.0 F	●	85.0						
- 86.0 F	●	86.0						
- 87.0 F	●	87.0						
- 88.0 F	●	88.0						

★PL means chamfering length to DC.

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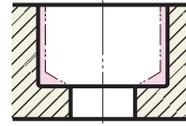
HSS FOR STEPPED HOLE

# NIKKEN NC SENSOR REAMER

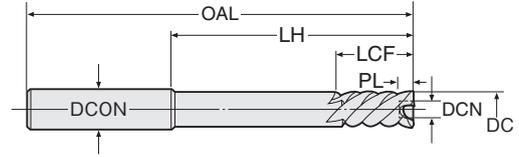


## NCS-F

For STEPPED HOLE  
NC Sensor Reamer (Straight Shank)



Explanation of the Code No.  
**NCS** - **10.0** - **F**  
 • FOR STEPPED HOLE  
 • DIAMETER  
 • NC SENSOR SERIES  
 NCS : STRAIGHT SHANK



\*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
NCS-89.0F	●	89.0	330	42	1.5	60	65	240
- 90.0F	●	90.0	330	42	1.5	62	65	240
- 91.0F	●	91.0	330	42	1.5	62	65	240
- 92.0F	●	92.0						
- 93.0F	●	93.0	330	42	1.5	65	65	240
- 94.0F	●	94.0						

Code No.	STOCK	DC H7	OAL	DCON	PL	DCN	LCF	LH
NCS-95.0F	●	95.0	330	42	1.5	65	65	240
- 96.0F	●	96.0	330	42	1.5	68	65	240
- 97.0F	●	97.0						
- 98.0F	●	98.0	330	42	1.5	70	65	240
- 99.0F	●	99.0						
- 100.0F	●	100.0						

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 Use Right-Handed Helix Reamer When There Are Not Enough Space For The Chips. For Stepped Hole P.81

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

HSS

FOR STEPPED HOLE

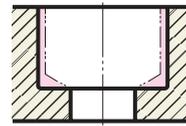


# NIKKEN NC SENSOR REAMER

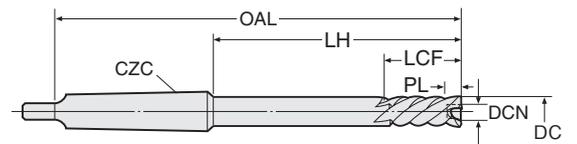


## NCM-F

For STEPPED HOLE  
NC Sensor Reamer (Morse Taper Shank)



Explanation of the Code No.  
**NCM** - **10.0** - **F**  
 • FOR STEPPED HOLE  
 • DIAMETER  
 • NC SENSOR SERIES  
 NCM : MORSE TAPER SHANK



\*See P.4 for icons.

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

Code No.	STOCK	DC H7	OAL	CZC	PL	DCN	LCF	LH
NCM- 6.0F	△	6.0	130	MT1	0.6	3.0	25	64.5
- 7.0F	△	7.0	140	MT1	0.6	3.0	25	74.5
- 8.0F	△	8.0	150	MT1	0.6	3.5	25	84.5
- 9.0F	△	9.0	165	MT1	0.6	4.0	30	99.5
-10.0F	△	10.0	165	MT1	0.6	4.5	30	99.5
-11.0F	△	11.0	170	MT1	0.6	4.5	30	104.5
-12.0F	△	12.0	175	MT1	0.6	5.5	30	109.5
-13.0F	△	13.0	180	MT1	0.6	5.5	30	114.5
-14.0F	△	14.0	180	MT1	0.6	6.5	35	114.5
-15.0F	△	15.0	200	MT2	0.6	6.5	35	120
-16.0F	△	16.0	205	MT2	0.6	6.5	35	125
-17.0F	△	17.0	205	MT2	0.6	7.0	35	125
-18.0F	△	18.0	210	MT2	0.6	8.0	40	130
-19.0F	△	19.0						
-20.0F	△	20.0	220	MT2	0.6	9.0	40	140
-21.0F	△	21.0	230	MT2	0.6	9.0	40	150

Code No.	STOCK	DC H7	OAL	CZC	PL	DCN	LCF	LH
NCM-22.0F	△	22.0	230	MT2	0.6	10.0	40	150
-23.0F	△	23.0	240	MT2	0.6	11.0	40	160
-24.0F	△	24.0	250	MT3	0.6	11.0	40	151
-25.0F	△	25.0	255	MT3	0.6	12.0	40	156
-26.0F	△	26.0	255	MT3	0.6	13.0	40	156
-27.0F	△	27.0						
-28.0F	△	28.0	260	MT3	0.6	14.0	45	161
-29.0F	△	29.0	260	MT3	1.0	15.0	45	161
-30.0F	△	30.0						
-32.0F	△	32.0	300	MT3	1.0	17.0	45	201
-35.0F	△	35.0	325	MT4	1.0	19.0	48	201
-36.0F	△	36.0	330	MT4	1.0	19.0	48	206
-40.0F	△	40.0	330	MT4	1.0	22.0	52	206
-42.0F	△	42.0	335	MT4	1.5	23.0	55	211
-45.0F	△	45.0	335	MT4	1.5	25.0	55	211
-50.0F	△	50.0	385	MT5	1.5	29.0	60	229

★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 use Right-Handed Helix Reamer when there are not enough space for the chips. P.81

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