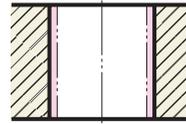


# NIKKEN CARBIDE BROACH REAMER



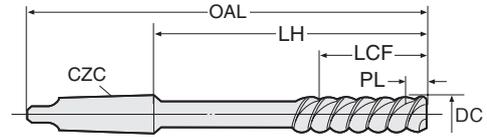
**MX**

**Carbide Broach Reamer (Morse Taper Shank)**



Explanation of the Code No.

- MX** - **20.0**
- DIAMETER
- MILLREAMER SERIES
- MX : MORSE TAPER SHANK FOR THROUGH HOLE



LH-HELIX 60°

P.137

\*See P.4 for icons.

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

Code No.	STOCK	DC H7	OAL	CZC	PL	LCF	LH
MX- 5.0	△	5.0	130	MT1	5.7	22	64.5
- 5.1	△	5.1	130	MT1	5.7	25	64.5
- 5.2	△	5.2					
- 5.3	△	5.3					
- 5.4	△	5.4					
- 5.5	△	5.5					
- 5.6	△	5.6					
- 5.7	△	5.7					
- 5.8	△	5.8					
- 5.9	△	5.9					
- 6.0	●	6.0					
- 6.1	△	6.1	130	MT1	5.7	25	64.5
- 6.2	△	6.2	140	MT1	7.0	25	74.5
- 6.3	△	6.3					
- 6.4	△	6.4					
- 6.5	△	6.5					
- 6.6	△	6.6					
- 6.7	△	6.7					
- 6.8	△	6.8					
- 6.9	△	6.9					
- 7.0	●	7.0					
- 7.1	△	7.1					
- 7.2	△	7.2	150	MT1	7.0	25	84.5
- 7.3	△	7.3					
- 7.4	△	7.4					
- 7.5	△	7.5					
- 7.6	△	7.6					
- 7.7	△	7.7					
- 7.8	△	7.8					
- 7.9	△	7.9					
- 8.0	●	8.0					
- 8.1	△	8.1					
- 8.2	△	8.2	165	MT1	7.0	25	99.5
- 8.3	△	8.3					
- 8.4	△	8.4					
- 8.5	△	8.5					
- 8.6	△	8.6					
- 8.7	△	8.7					
- 8.8	△	8.8					
- 8.9	△	8.9					
- 9.0	●	9.0					
- 9.1	△	9.1					
- 9.2	△	9.2					
- 9.3	△	9.3					
- 9.4	△	9.4					
- 9.5	△	9.5					
- 9.6	△	9.6					
- 9.7	△	9.7					
- 9.8	△	9.8					
- 9.9	△	9.9					
-10.0	●	10.0					
-10.1	△	10.1	165	MT1	7.0	29	99.5
-10.2	△	10.2	170	MT1	7.0	29	104.5
-10.3	△	10.3					
-10.4	△	10.4					
-10.5	△	10.5					
-10.6	△	10.6					
-10.7	△	10.7					

Code No.	STOCK	DC H7	OAL	CZC	PL	LCF	LH
MX-10.8	△	10.8	170	MT1	7.0	28	104.5
-10.9	△	10.9					
-11.0	●	11.0					
-11.1	△	11.1	170	MT1	7.0	28	104.5
-11.2	△	11.2	170	MT1	7.0	29	109.5
-11.3	△	11.3					
-11.4	△	11.4					
-11.5	△	11.5					
-11.6	△	11.6					
-11.7	△	11.7					
-11.8	△	11.8					
-11.9	△	11.9					
-12.0	●	12.0					
-12.1	△	12.1					
-12.2	△	12.2	180	MT1	7.0	29	114.5
-12.3	△	12.3					
-12.4	△	12.4					
-12.5	△	12.5					
-12.6	△	12.6					
-12.7	△	12.7					
-12.8	△	12.8					
-12.9	△	12.9					
-13.0	●	13.0					
-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					
-14.0	●	14.0					
-14.1	△	14.1	180	MT1	7.0	29	114.5
-14.2	△	14.2	200	MT2	7.0	29	120
-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					
-15.0	●	15.0					
-15.1	△	15.1					
-15.2	△	15.2	205	MT2	7.0	30	125
-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	205	MT2	7.0	30	125
-16.3	△	16.3					
-16.4	△	16.4					
-16.5	△	16.5					

★PL means chamfering length to DC.

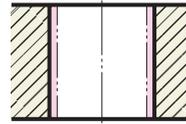
CARBIDE FOR THROUGH HOLE

# NIKKEN CARBIDE BROACH REAMER



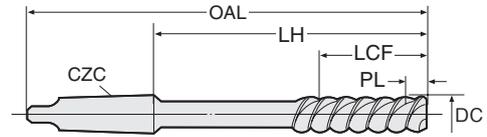
**MX**

**Carbide Broach Reamer (Morse Taper Shank)**



Explanation of the Code No.

- MX** - **20.0**
- DIAMETER
- MILLREAMER SERIES
- MX : MORSE TAPER SHANK FOR THROUGH HOLE



LH-HELIX 60°

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\*See P.4 for icons.

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

Code No.	STOCK	DC H7	OAL	CZC	PL	LCF	LH
MX-16.6	△	16.6	205	MT2	7.0	30	125
-16.7	△	16.7					
-16.8	△	16.8					
-16.9	△	16.9					
-17.0	●	17.0					
-17.1	△	17.1	205	MT2	7.0	30	125
-17.2	△	17.2					
-17.3	△	17.3	210	MT2	7.0	30	130
-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	210	MT2	7.0	30	130
-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					
-19.5	△	19.5					
-19.6	△	19.6					
-19.7	△	19.7					
-19.8	△	19.8					
-19.9	△	19.9					
-20.0	●	20.0					
-20.1	△	20.1					
-20.2	△	20.2					
-20.3	△	20.3	230	MT2	8.0	33.5	150
-20.4	△	20.4					
-20.5	△	20.5					
-20.6	△	20.6					
-20.7	△	20.7					
-20.8	△	20.8					
-20.9	△	20.9					
-21.0	●	21.0					
-21.1	△	21.1					
-21.2	△	21.2					
-21.3	△	21.3	230	MT2	8.0	33.5	150
-21.4	△	21.4					
-21.5	△	21.5					
-21.6	△	21.6					
-21.7	△	21.7					
-21.8	△	21.8					
-21.9	△	21.9					
-22.0	●	22.0					
-22.1	△	22.1					
-22.2	△	22.2					
-22.3	△	22.3	240	MT2	8.0	33.5	160
-22.4	△	22.4					

Code No.	STOCK	DC H7	OAL	CZC	PL	LCF	LH					
MX-22.4	△	22.4	240	MT2	8.0	33.5	160					
-22.5	△	22.5										
-22.6	△	22.6										
-22.7	△	22.7										
-22.8	△	22.8										
-22.9	△	22.9	240	MT2	8.0	33.5	160					
-23.0	●	23.0										
-23.1	△	23.1										
-23.2	△	23.2										
-23.3	△	23.3										
-23.4	△	23.4										
-23.5	△	23.5										
-23.6	△	23.6						250	MT3	8.0	33.5	151
-23.7	△	23.7										
-23.8	△	23.8										
-23.9	△	23.9										
-24.0	●	24.0										
-24.1	△	24.1										
-24.2	△	24.2										
-24.3	△	24.3										
-24.4	△	24.4										
-24.5	△	24.5										
-24.6	△	24.6	255	MT3	8.0	33.5	156					
-24.7	△	24.7										
-24.8	△	24.8										
-24.9	△	24.9										
-25.0	●	25.0										
-25.1	△	25.1										
-25.2	△	25.2										
-25.3	△	25.3										
-25.4	△	25.4										
-25.5	△	25.5										
-25.6	△	25.6	255	MT3	8.0	33.5	156					
-25.7	△	25.7										
-25.8	△	25.8										
-25.9	△	25.9										
-26.0	●	26.0										
-26.1	△	26.1										
-26.2	△	26.2										
-26.3	△	26.3										
-26.4	△	26.4										
-26.5	△	26.5										
-26.6	△	26.6	255	MT3	8.0	33.5	156					
-26.7	△	26.7										
-26.8	△	26.8										
-26.9	△	26.9										
-27.0	●	27.0										
-27.1	△	27.1										
-27.2	△	27.2										
-27.3	△	27.3										
-27.4	△	27.4										
-27.5	△	27.5										
-27.6	△	27.6	260	MT3	8.0	39	161					
-27.7	△	27.7										
-27.8	△	27.8										
-27.9	△	27.9										
-28.0	●	28.0										
-28.1	△	28.1										

CARBIDE FOR THROUGH HOLE



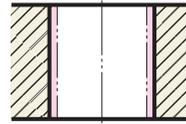
★PL means chamfering length to DC.

# NIKKEN CARBIDE BROACH REAMER

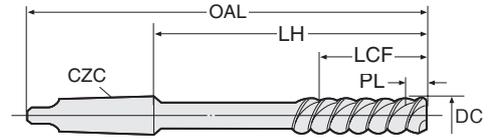
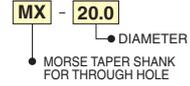


**MX**

**Carbide BROACH Reamer (Morse Taper Shank)**



Explanation of the Code No.



LH-HELIX 60°

P.137

\*See P.4 for icons.

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

Code No.	STOCK	DC H7	OAL	CZC	PL	LCF	LH
MX-28.2	△	28.2	260	MT3	8.0	39	161
-28.3	△	28.3	260	MT3	8.0	39	161
-28.4	△	28.4					
-28.5	△	28.5					
-28.6	△	28.6					
-28.7	△	28.7					
-28.8	△	28.8					
-28.9	△	28.9					
-29.0	●	29.0					
-29.1	△	29.1	260	MT3	8.0	39	161
-29.2	△	29.2					
-29.3	△	29.3					
-29.4	△	29.4					
-29.5	△	29.5					
-29.6	△	29.6					
-29.7	△	29.7					
-29.8	△	29.8					
-29.9	△	29.9					
-30.0	●	30.0					
-30.5	△	30.5	300	MT3	9.0	39	201
-31.0	●	31.0					
-31.5	△	31.5					
-32.0	●	32.0					
-32.5	△	32.5	325	MT4	9.0	39	201
-33.0	●	33.0					
-33.5	△	33.5	325	MT4	9.0	41	201
-34.0	●	34.0					
-34.5	△	34.5					
-35.0	●	35.0	330	MT4	9.0	41	206
-35.5	△	35.5					
-36.0	●	36.0					
-36.5	△	36.5					
-37.0	●	37.0	330	MT4	9.0	46	206

Code No.	STOCK	DC H7	OAL	CZC	PL	LCF	LH
MX-37.5	△	37.5	330	MT4	9.0	46	206
-38.0	●	38.0					
-38.5	△	38.5					
-39.0	●	39.0					
-39.5	△	39.5					
-40.0	●	40.0					
-40.5	△	40.5	330	MT4	9.0	46	206
-41.0	●	41.0					
-41.5	△	41.5	335	MT4	10.3	49	211
-42.0	●	42.0					
-42.5	△	42.5					
-43.0	●	43.0					
-43.5	△	43.5					
-44.0	●	44.0					
-44.5	△	44.5					
-45.0	●	45.0					
-45.5	△	45.5	340	MT4	10.3	51	216
-46.0	●	46.0					
-46.5	△	46.5					
-47.0	●	47.0					
-47.5	△	47.5	350	MT4	10.3	51	226
-48.0	●	48.0					
-48.5	△	48.5					
-49.0	●	49.0	385	MT4	10.3	56	261
-49.5	△	49.5					
-50.0	●	50.0	385	MT4	10.3	50	261
-51.0	△	51.0					
-52.0	△	52.0					
-53.0	△	53.0					
-54.0	△	54.0					
-55.0	△	55.0					
-60.0	△	60.0					

★PL means chamfering length to DC.

★MT size is determined by reamer dia : ~ 14 : MT1, 15 ~ 23 : MT2, 24 ~ 32 : MT3, 33 ~ 62 : MT4, 63 ~ : MT5

CARBIDE FOR THROUGH HOLE