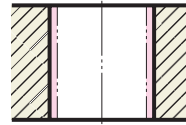


# NIKKEN BROACH REAMER



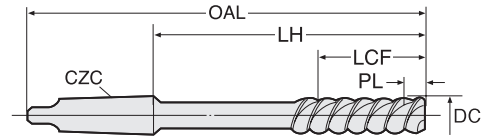
## BRM

## Broach Reamer (Morse Taper Shank)



Explanation of the Code No.

- BRS** - 10.0
- DIAMETER
- BROACH REAMER SERIES
- BRS : MORSE TAPER SHANK



LH-HELIX 60°

PN

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\*See P.4 for icons.

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

Code No.	STOCK	DC H7	OAL	DCON	PL	LCF	LH					
BRM- 2.95	△	2.95	115	MT1	5.7	24	49.5					
- 2.96	△	2.96										
- 2.97	△	2.97										
- 2.98	△	2.98										
- 2.99	△	2.99										
- 3.0	●	3.0										
- 3.01	△	3.01	115	MT1	5.7	24	49.5					
- 3.02	△	3.02										
- 3.03	△	3.03										
- 3.04	△	3.04										
- 3.05	△	3.05										
- 3.1	△	3.1										
- 3.2	△	3.2										
- 3.3	△	3.3										
- 3.4	△	3.4										
- 3.5	●	3.5										
- 3.6	△	3.6	115	MT1	6.5	24	49.5					
- 3.7	△	3.7										
- 3.8	△	3.8										
- 3.9	△	3.9										
- 3.95	△	3.95										
- 3.96	△	3.96										
- 3.97	△	3.97										
- 3.98	△	3.98										
- 3.99	△	3.99										
- 4.0	●	4.0										
- 4.01	△	4.01	115	MT1	6.5	24	49.5					
- 4.02	△	4.02										
- 4.03	△	4.03										
- 4.04	△	4.04										
- 4.05	△	4.05										
- 4.1	△	4.1	115	MT1	7.6	24	49.5					
- 4.2	△	4.2										
- 4.3	△	4.3										
- 4.4	△	4.4										
- 4.5	●	4.5										
- 4.6	△	4.6						120	MT1	7.6	25	54.5
- 4.7	△	4.7										
- 4.8	△	4.8										
- 4.9	△	4.9										
- 4.95	△	4.95										
- 4.96	△	4.96										
- 4.97	△	4.97										
- 4.98	△	4.98										
- 4.99	△	4.99										
- 5.0	●	5.0										
- 5.01	△	5.01	120	MT1	7.6	25	54.5					
- 5.02	△	5.02										
- 5.03	△	5.03										
- 5.04	△	5.04										
- 5.05	△	5.05										
- 5.1	△	5.1	130	MT1	7.6	30	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										

Code No.	STOCK	DC H7	OAL	DCON	PL	LCF	LH
BRM- 5.8	△	5.8	130	MT1	7.6	30	64.5
- 5.9	△	5.9					
- 5.95	△	5.95					
- 5.96	△	5.96					
- 5.97	△	5.97					
- 5.98	△	5.98					
- 5.99	△	5.99					
- 6.0	●	6.0					
- 6.01	△	6.01					
- 6.02	△	6.02					
- 6.03	△	6.03	130	MT1	7.6	30	64.5
- 6.04	△	6.04					
- 6.05	△	6.05					
- 6.1	△	6.1					
- 6.2	△	6.2					
- 6.3	△	6.3					
- 6.4	△	6.4					
- 6.5	●	6.5					
- 6.6	△	6.6					
- 6.7	△	6.7					
- 6.8	△	6.8	140	MT1	9.5	35	74.5
- 6.9	△	6.9					
- 6.95	△	6.95					
- 6.96	△	6.96					
- 6.97	△	6.97					
- 6.98	△	6.98					
- 6.99	△	6.99					
- 7.0	●	7.0					
- 7.01	△	7.01					
- 7.02	△	7.02					
- 7.03	△	7.03	140	MT1	9.5	35	74.5
- 7.04	△	7.04					
- 7.05	△	7.05					
- 7.1	△	7.1					
- 7.2	△	7.2					
- 7.3	△	7.3					
- 7.4	△	7.4					
- 7.5	●	7.5					
- 7.6	△	7.6					
- 7.7	△	7.7					
- 7.8	△	7.8	150	MT1	9.5	40	84.5
- 7.9	△	7.9					
- 7.95	△	7.95					
- 7.96	△	7.96					
- 7.97	△	7.97					
- 7.98	△	7.98					
- 7.99	△	7.99					
- 8.0	●	8.0					
- 8.01	△	8.01					
- 8.02	△	8.02					
- 8.03	△	8.03	150	MT1	9.5	40	84.5
- 8.04	△	8.04					
- 8.05	△	8.05					
- 8.1	△	8.1					
- 8.2	△	8.2					
- 8.3	△	8.3	165	MT1	9.5	40	99.5
- 8.4	△	8.4					
- 8.5	●	8.5					

★PL means chamfering length to  $\Phi$ DC.

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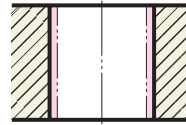
HSS FOR THROUGH HOLE

# NIKKEN BROACH REAMER



## BRM

## Broach Reamer (Morse Taper Shank)



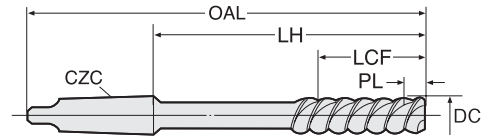
Explanation of the Code No.

**BRM** - **10.0**

● DIAMETER

● BROACH REAMER SERIES

BRS : MORSE TAPER SHANK



LH-HELIX 60°

PN

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\*See P.4 for icons.

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

Code No.	STOCK	DC H7	OAL	DCON	PL	LCF	LH
BRM- 8.6	△	8.6	165	MT1	9.5	40	99.5
- 8.7	△	8.7					
- 8.8	△	8.8					
- 8.9	△	8.9					
- 8.95	△	8.95					
- 8.96	△	8.96					
- 8.97	△	8.97					
- 8.98	△	8.98					
- 8.99	△	8.99					
- 9.0	●	9.0					
- 9.01	△	9.01	165	MT1	9.5	40	99.5
- 9.02	△	9.02					
- 9.03	△	9.03					
- 9.04	△	9.04					
- 9.05	△	9.05					
- 9.1	△	9.1					
- 9.2	△	9.2					
- 9.3	△	9.3					
- 9.4	△	9.4					
- 9.5	●	9.5					
- 9.525	△	9.525(3/8)					
- 9.6	△	9.6					
- 9.7	△	9.7					
- 9.8	△	9.8					
- 9.9	△	9.9					
- 9.95	△	9.95					
- 9.96	△	9.96					
- 9.97	△	9.97					
- 9.98	△	9.98					
- 9.99	△	9.99					
-10.0	●	10.0	165	MT1	9.5	40	99.5
-10.01	△	10.01					
-10.02	△	10.02					
-10.03	△	10.03					
-10.04	△	10.04					
-10.05	△	10.05					
-10.1	△	10.1					
-10.2	△	10.2					
-10.3	△	10.3					
-10.4	△	10.4					
-10.5	●	10.5					
-10.6	△	10.6					
-10.7	△	10.7					
-10.8	△	10.8					
-10.9	△	10.9	170	MT1	9.5	40	104.5
-10.95	△	10.95					
-10.96	△	10.96					
-10.97	△	10.97					
-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					
-11.2	△	11.2					

Code No.	STOCK	DC H7	OAL	DCON	PL	LCF	LH
BRM-11.3	△	11.3	175	MT1	9.5	40	109.5
-11.4	△	11.4					
-11.5	●	11.5					
-11.6	△	11.6					
-11.7	△	11.7					
-11.8	△	11.8					
-11.9	△	11.9					
-11.95	△	11.95					
-11.96	△	11.96					
-11.97	△	11.97					
-11.98	△	11.98					
-11.99	△	11.99					
-12.0	●	12.0	175	MT1	9.5	40	109.5
-12.01	△	12.01					
-12.02	△	12.02					
-12.03	△	12.03					
-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					
-12.6	△	12.6					
-12.7	△	12.7(1/2)	180	MT1	9.5	40	114.5
-12.8	△	12.8					
-12.9	△	12.9					
-12.95	△	12.95					
-12.96	△	12.96					
-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	180	MT1	9.5	45	114.5
-13.95	△	13.95					
-13.96	△	13.96					
-13.97	△	13.97					
-13.98	△	13.98					
-13.99	△	13.99					
-14.0	●	14.0					
-14.01	△	14.01					
-14.02	△	14.02					
-14.03	△	14.03					
-14.04	△	14.04					
-14.05	△	14.05					

★PL means chamfering length to φDC.

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HSS FOR THROUGH HOLE

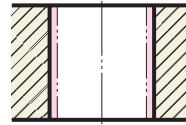


# NIKKEN BROACH REAMER



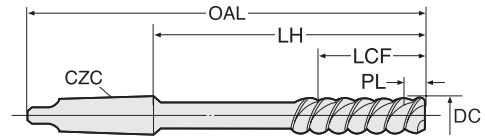
## BRM

## Broach Reamer (Morse Taper Shank)



Explanation of the Code No.

**BRS** - **10.0**  
 ● DIAMETER  
 ● BROACH REAMER SERIES  
 BRS : MORSE TAPER SHANK



LH-HELIX 60°

PN

P.141

\*See P.4 for icons.

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

Code No.	STOCK	DC H7	OAL	DCON	PL	LCF	LH
BRM-14.1	△	14.1	180	MT1	9.5	45	114.5
-14.2	△	14.2					
-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					
-14.95	△	14.95					
-14.96	△	14.96					
-14.97	△	14.97					
-14.98	△	14.98					
-14.99	△	14.99					
-15.0	●	15.0					
-15.01	△	15.01					
-15.02	△	15.02					
-15.03	△	15.03					
-15.04	△	15.04					
-15.05	△	15.05					
-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					
-15.875	△	15.875(5/8)					
-15.9	△	15.9					
-15.95	△	15.95					
-15.96	△	15.96					
-15.97	△	15.97					
-15.98	△	15.98					
-15.99	△	15.99					
-16.0	●	16.0					
-16.01	△	16.01					
-16.02	△	16.02					
-16.03	△	16.03					
-16.04	△	16.04					
-16.05	△	16.05					
-16.1	△	16.1					
-16.2	△	16.2					
-16.3	△	16.3					
-16.4	△	16.4					
-16.5	●	16.5					
-16.6	△	16.6					
-16.7	△	16.7					
-16.8	△	16.8					
-16.9	△	16.9					
-16.95	△	16.95					
-16.96	△	16.96					
-16.97	△	16.97					
-16.98	△	16.98					
-16.99	△	16.99					
-17.0	●	17.0					
-17.01	△	17.01					
-17.02	△	17.02					

Code No.	STOCK	DC H7	OAL	DCON	PL	LCF	LH
BRM-17.03	△	17.03	205	MT2	11.5	50	125
-17.04	△	17.04					
-17.05	△	17.05					
-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					
-17.95	△	17.95					
-17.96	△	17.96					
-17.97	△	17.97					
-17.98	△	17.98					
-17.99	△	17.99					
-18.0	●	18.0					
-18.01	△	18.01					
-18.02	△	18.02					
-18.03	△	18.03					
-18.04	△	18.04					
-18.05	△	18.05					
-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					
-18.95	△	18.95					
-18.96	△	18.96					
-18.97	△	18.97					
-18.98	△	18.98					
-18.99	△	18.99					
-19.0	●	19.0					
-19.01	△	19.01					
-19.02	△	19.02					
-19.03	△	19.03					
-19.04	△	19.04					
-19.05	△	19.05(3/4)					
-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					
-19.95	△	19.95					
-19.96	△	19.96					
-19.97	△	19.97					
-19.98	△	19.98					
-19.99	△	19.99					
-20.0	●	20.0					

★PL means chamfering length to φDC.

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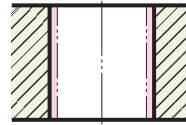
HSS FOR THROUGH HOLE

# NIKKEN BROACH REAMER



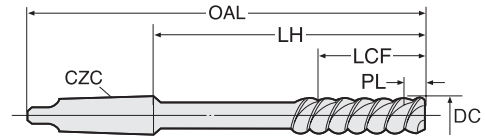
## BRM

### Broach Reamer (Morse Taper Shank)



Explanation of the Code No.

**BRS** - **10.0**  
 ● DIAMETER  
 ● BROACH REAMER SERIES  
 BRS : MORSE TAPER SHANK



LH-HELIX 60°

PN

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\*See P.4 for icons.

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

Code No.	STOCK	DC H7	OAL	DCON	PL	LCF	LH
BRM-20.01	△	20.01	220	MT2	11.5	55	140
-20.02	△	20.02					
-20.03	△	20.03					
-20.04	△	20.04					
-20.05	△	20.05					
-20.1	△	20.1					
-20.2	△	20.2					
-20.3	△	20.3					
-20.4	△	20.4					
-20.5	●	20.5					
-20.6	△	20.6					
-20.7	△	20.7					
-20.8	△	20.8					
-20.9	△	20.9					
-20.95	△	20.95					
-20.96	△	20.96					
-20.97	△	20.97					
-20.98	△	20.98					
-20.99	△	20.99					
-21.0	●	21.0					
-21.01	△	21.01					
-21.02	△	21.02					
-21.03	△	21.03					
-21.04	△	21.04					
-21.05	△	21.05					
-21.1	△	21.1					
-21.2	△	21.2					
-21.3	△	21.3					
-21.4	△	21.4					
-21.5	●	21.5					
-21.6	△	21.6					
-21.7	△	21.7					
-21.8	△	21.8					
-21.9	△	21.9					
-21.95	△	21.95					
-21.96	△	21.96					
-21.97	△	21.97					
-21.98	△	21.98					
-21.99	△	21.99					
-22.0	●	22.0					
-22.01	△	22.01					
-22.02	△	22.02					
-22.03	△	22.03					
-22.04	△	22.04					
-22.05	△	22.05					
-22.1	△	22.1					
-22.2	△	22.2					
-22.225	△	22.225(7/8)					
-22.3	△	22.3					
-22.4	△	22.4					
-22.5	●	22.5					
-22.6	△	22.6					
-22.7	△	22.7					
-22.8	△	22.8					
-22.9	△	22.9					
-22.95	△	22.95					
-22.96	△	22.96					
-22.97	△	22.97					

Code No.	STOCK	DC H7	OAL	DCON	PL	LCF	LH
BRM-22.98	△	22.98	240	MT2	11.5	60	150
-22.99	△	22.99					
-23.0	●	23.0					
-23.01	△	23.01					
-23.02	△	23.02					
-23.03	△	23.03					
-23.04	△	23.04					
-23.05	△	23.05					
-23.1	△	23.1					
-23.2	△	23.2					
-23.3	△	23.3					
-23.4	△	23.4					
-23.5	●	23.5					
-23.6	△	23.6					
-23.7	△	23.7					
-23.8	△	23.8					
-23.9	△	23.9					
-23.95	△	23.95					
-23.96	△	23.96					
-23.97	△	23.97					
-23.98	△	23.98					
-23.99	△	23.99					
-24.0	●	24.0					
-24.01	△	24.01					
-24.02	△	24.02					
-24.03	△	24.03					
-24.04	△	24.04					
-24.05	△	24.05					
-24.1	△	24.1					
-24.2	△	24.2					
-24.3	△	24.3					
-24.4	△	24.4					
-24.5	●	24.5					
-24.6	△	24.6					
-24.7	△	24.7					
-24.8	△	24.8					
-24.9	△	24.9					
-24.95	△	24.95					
-24.96	△	24.96					
-24.97	△	24.97					
-24.98	△	24.98					
-24.99	△	24.99					
-25.0	●	25.0					
-25.01	△	25.01					
-25.02	△	25.02					
-25.03	△	25.03					
-25.04	△	25.04					
-25.05	△	25.05					
-25.1	△	25.1					
-25.2	△	25.2					
-25.3	△	25.3					
-25.4	△	25.4(1")					
-25.5	●	25.5					
-25.6	△	25.6					
-25.7	△	25.7					
-25.8	△	25.8					
-25.9	△	25.9					
-25.95	△	25.95					

★PL means chamfering length to φDC.

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HSS FOR THROUGH HOLE

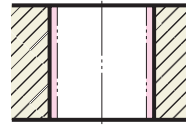


# NIKKEN BROACH REAMER



## BRM

## Broach Reamer (Morse Taper Shank)



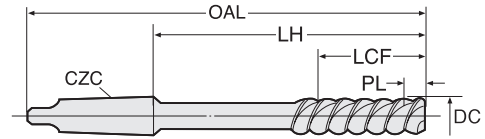
Explanation of the Code No.

**BRS** - 10.0

DIAMETER

BROACH REAMER SERIES

BRS : MORSE TAPER SHANK



LH-HELIX 60°

PN

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\*See P.4 for icons.

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

Code No.	STOCK	DC H7	OAL	DCON	PL	LCF	LH
BRM- 25.96	△	25.96	255	MT3	11.5	60	156
- 25.97	△	25.97					
- 25.98	△	25.98					
- 25.99	△	25.99					
- 26.0	●	26.0					
- 26.01	△	26.01	255	MT3	11.5	60	156
- 26.02	△	26.02					
- 26.03	△	26.03					
- 26.04	△	26.04					
- 26.05	△	26.05					
- 26.1	△	26.1					
- 26.2	△	26.2					
- 26.3	△	26.3					
- 26.4	△	26.4					
- 26.5	●	26.5					
- 26.6	△	26.6					
- 26.7	△	26.7					
- 26.8	△	26.8					
- 26.9	△	26.9					
- 26.95	△	26.95					
- 26.96	△	26.96					
- 26.97	△	26.97					
- 26.98	△	26.98					
- 26.99	△	26.99					
- 27.0	●	27.0	255	MT3	11.5	60	156
- 27.01	△	27.01					
- 27.02	△	27.02					
- 27.03	△	27.03					
- 27.04	△	27.04					
- 27.05	△	27.05	255	MT3	11.5	60	156
- 27.1	△	27.1					
- 27.2	△	27.2					
- 27.3	△	27.3					
- 27.4	△	27.4					
- 27.5	●	27.5	260	MT3	11.5	60	161
- 27.6	△	27.6					
- 27.7	△	27.7					
- 27.8	△	27.8					
- 27.9	△	27.9					
- 27.95	△	27.95					
- 27.96	△	27.96					
- 27.97	△	27.97					
- 27.98	△	27.98					
- 27.99	△	27.99					
- 28.0	●	28.0	260	MT3	11.5	60	161
- 28.01	△	28.01					
- 28.02	△	28.02					
- 28.03	△	28.03					
- 28.04	△	28.04					
- 28.05	△	28.05					
- 28.1	△	28.1					
- 28.2	△	28.2					
- 28.3	△	28.3					
- 28.4	△	28.4					
- 28.5	●	28.5					
- 28.6	△	28.6					
- 28.7	△	28.7					
- 28.8	△	28.8					

Code No.	STOCK	DC H7	OAL	DCON	PL	LCF	LH
BRM- 28.9	△	28.9	260	MT3	11.5	60	161
- 28.95	△	28.95					
- 28.96	△	28.96					
- 28.97	△	28.97					
- 28.98	△	28.98					
- 28.99	△	28.99	260	MT3	11.5	60	161
- 29.0	●	29.0					
- 29.01	△	29.01					
- 29.02	△	29.02					
- 29.03	△	29.03					
- 29.04	△	29.04					
- 29.05	△	29.05					
- 29.1	△	29.1					
- 29.2	△	29.2					
- 29.3	△	29.3					
- 29.4	△	29.4					
- 29.5	●	29.5	260	MT3	11.5	60	161
- 29.6	△	29.6					
- 29.7	△	29.7					
- 29.8	△	29.8					
- 29.9	△	29.9					
- 29.95	△	29.95					
- 29.96	△	29.96					
- 29.97	△	29.97					
- 29.98	△	29.98					
- 29.99	△	29.99					
- 30.0	●	30.0	260	MT3	11.5	60	161
- 30.01	△	30.01					
- 30.02	△	30.02					
- 30.03	△	30.03					
- 30.04	△	30.04					
- 30.05	△	30.05	300	MT3	15	60	201
- 30.5	△	30.5					
- 31.0	●	31.0					
- 31.5	△	31.5					
- 32.0	●	32.0					
- 32.5	△	32.5					
- 33.0	●	33.0					
- 33.5	△	33.5					
- 34.0	●	34.0	330	MT4	15	60	206
- 34.5	△	34.5					
- 35.0	●	35.0					
- 35.5	△	35.5					
- 36.0	●	36.0					
- 36.5	△	36.5					
- 37.0	●	37.0					
- 37.5	△	37.5					
- 38.0	●	38.0					
- 38.5	△	38.5					
- 39.0	●	39.0	335	MT4	15	60	211
- 39.5	△	39.5					
- 40.0	●	40.0					
- 40.5	△	40.5					
- 41.0	●	41.0					
- 41.5	△	41.5					
- 42.0	●	42.0					
- 42.5	△	42.5					
- 43.0	●	43.0					

\*PL means chamfering length to  $\Phi$ DC.

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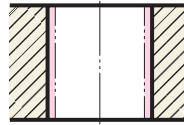
HSS FOR THROUGH HOLE

# NIKKEN BROACH REAMER



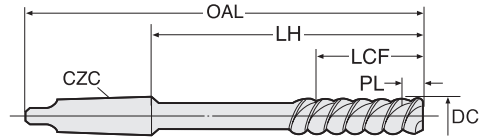
## BRM

### Broach Reamer (Morse Taper Shank)



Explanation of the Code No.

**BRS** - **10.0**  
 ● DIAMETER  
 ● BROACH REAMER SERIES  
 BRS : MORSE TAPER SHANK



LH-HELIX 60°

PN

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\*See P.4 for icons.

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

Code No.	STOCK	DC H7	OAL	DCON	PL	LCF	LH
<b>BRM- 43.5</b>	△	43.5	335	MT4	15	60	211
- 44.0	●	44.0					
- 44.5	△	44.5					
- 45.0	●	45.0					
- 45.5	△	45.5	340	MT4	15	60	216
- 46.0	●	46.0					
- 46.5	△	46.5					
- 47.0	●	47.0					
- 47.5	△	47.5	350	MT4	15	60	226
- 48.0	●	48.0					
- 48.5	△	48.5					
- 49.0	●	49.0					
- 49.5	△	49.5	385	MT5	15	70	229
- 50.0	●	50.0					
- 50.5	△	50.5					
- 51.0	△	51.0					
- 51.5	△	51.5					
- 52.0	△	52.0					
- 52.5	△	52.5					
- 53.0	△	53.0					
- 53.5	△	53.5					
- 54.0	△	54.0					
- 54.5	△	54.5	400	MT5	15	70	244
- 55.0	●	55.0					
- 55.5	△	55.5					
- 56.0	△	56.0					
- 56.5	△	56.5					
- 57.0	△	57.0					
- 57.5	△	57.5					
- 58.0	△	58.0					
- 58.5	△	58.5					

Code No.	STOCK	DC H7	OAL	DCON	PL	LCF	LH
<b>BRM- 59.0</b>	△	59.0	400	MT5	15	70	244
- 59.5	△	59.5					
- 60.0	●	60.0	400	MT5	15	70	244
- 60.5	△	60.5					
- 61.0	△	61.0					
- 61.5	△	61.5					
- 62.0	△	62.0					
- 62.5	△	62.5					
- 63.0	△	63.0					
- 63.5	△	63.5					
- 64.0	△	64.0					
- 64.5	△	64.5					
- 65.0	●	65.0	400	MT5	15	70	244
- 65.5	△	65.5					
- 66.0	△	66.0					
- 66.5	△	66.5					
- 67.0	△	67.0					
- 67.5	△	67.5					
- 68.0	△	68.0					
- 68.5	△	68.5					
- 69.0	△	69.0					
- 69.5	△	69.5					
- 70.0	●	70.0	400	MT5	15	70	244
- 75.0	●	75.0					
- 80.0	●	80.0					
- 85.0	●	85.0					
- 90.0	●	90.0					
- 95.0	●	95.0					
- 100.0	●	100.0					

★PL means chamfering length to φDC.

★MT size is determined by reamer dia. : ~φ14:MT1, φ15 ~φ23 : MT2, φ24 ~ φ32 : MT3, φ33 ~ φ49 : MT4, φ50 ~ : MT5

HSS FOR THROUGH HOLE

