

# NIKKEN CARBIDE BROACH REAMER

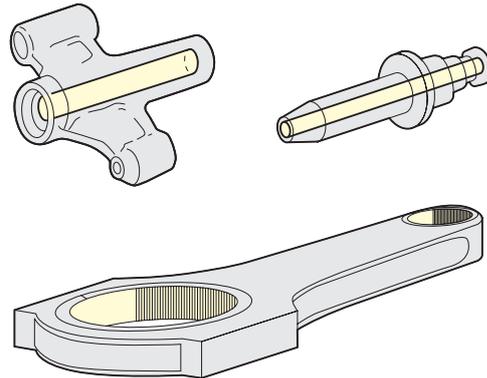
**NIKKEN**



Photo shows Broach Reamer SX

## Features

- The heavy-duty machinability of broach and the better finished surface of reamer are incorporated, and machining speed can be increased significantly as well.
- Better surface roughness for aluminum and castings in particular.
- The spiral angle exceed 60 degrees will be reduced cutting resistance, then the reaming and burnishing are performed without chattering.



CARBIDE FOR THROUGH HOLE

# NIKKEN CARBIDE BROACH REAMER

**NIKKEN**

**SX**

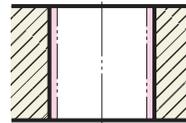
**Carbide Broach Reamer (Straight Shank)**



LH-HELIX 60°

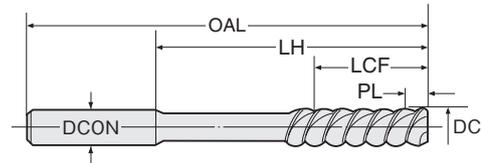
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\*See P.4 for icons.



Explanation of the Code No.

- SX** - **6.0**
  - DIAMETER
  - BROACH REAMER SERIES
  - SX : STRAIGHT SHANK FOR THROUGH HOLE



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

Code No.	STOCK	DC H7	OAL	DCON	PL	LCF	LH
SX- 1.94	△	1.94	55	2	4.6	16	35
- 1.95	△	1.95					
- 1.96	△	1.96					
- 1.97	△	1.97					
- 1.98	△	1.98					
- 1.99	△	1.99					
- 2.0	●	2.0					
- 2.01	△	2.01					
- 2.02	△	2.02					
- 2.03	△	2.03					
- 2.04	△	2.04					
- 2.05	△	2.05	55	2	4.6	16	35
- 2.06	△	2.06					
- 2.07	△	2.07					
- 2.08	△	2.08					
- 2.09	△	2.09					
- 2.1	△	2.1					
- 2.2	△	2.2					
- 2.3	△	2.3					
- 2.4	△	2.4					
- 2.5	△	2.5					
- 2.6	△	2.6					
- 2.7	△	2.7					

Code No.	STOCK	DC H7	OAL	DCON	PL	LCF	LH
SX- 2.8	△	2.8	60	3	4.6	16	35
- 2.9	△	2.9					
- 3.0	●	3.0					
- 3.01	△	3.01					
- 3.02	△	3.02					
- 3.03	△	3.03					
- 3.04	△	3.04					
- 3.05	△	3.05					
- 3.06	△	3.06					
- 3.07	△	3.07					
- 3.08	△	3.08					
- 3.09	△	3.09	60	3	4.6	16	35
- 3.1	△	3.1					
- 3.2	△	3.2					
- 3.3	△	3.3					
- 3.4	△	3.4					
- 3.5	△	3.5					
- 3.6	△	3.6					
- 3.7	△	3.7					
- 3.8	△	3.8					
- 3.9	△	3.9					
- 4.0	●	4.0					
- 4.01	△	4.01	60	4	4.6	18	35

★PL means chamfering length to DC.

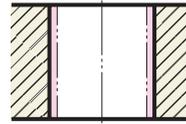
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# NIKKEN CARBIDE BROACH REAMER



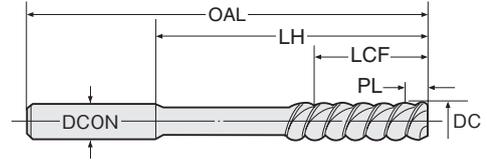
## SX

### Carbide Broach Reamer (Straight Shank)



Explanation of the Code No.

- SX** - **6.0**
  - DIAMETER
- BROACH REAMER SERIES
- SX : STRAIGHT 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	DCON	PL	LCF	LH
SX- 4.02	△	4.02	60	4	4.6	18	35
- 4.03	△	4.03					
- 4.04	△	4.04					
- 4.05	△	4.05					
- 4.06	△	4.06					
- 4.07	△	4.07					
- 4.08	△	4.08					
- 4.09	△	4.09					
- 4.1	△	4.1					
- 4.2	△	4.2					
- 4.3	△	4.3	75	5	5.7	22	45
- 4.4	△	4.4					
- 4.5	△	4.5					
- 4.6	△	4.6					
- 4.7	△	4.7					
- 4.8	△	4.8					
- 4.9	△	4.9					
- 5.0	●	5.0					
- 5.01	△	5.01					
- 5.02	△	5.02					
- 5.03	△	5.03					
- 5.04	△	5.04					
- 5.05	△	5.05					
- 5.06	△	5.06					
- 5.07	△	5.07					
- 5.08	△	5.08					
- 5.09	△	5.09					
- 5.1	△	5.1	100	6	5.7	25	65
- 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					
- 6.01	△	6.01	100	6	5.7	25	65
- 6.02	△	6.02					
- 6.03	△	6.03					
- 6.04	△	6.04					
- 6.05	△	6.05					
- 6.06	△	6.06					
- 6.07	△	6.07					
- 6.08	△	6.08					
- 6.09	△	6.09					
- 6.1	△	6.1					
- 6.2	△	6.2	110	8	7	25	70
- 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					
- 7.01	△	7.01					
- 7.02	△	7.02					

Code No.	STOCK	DC H7	OAL	DCON	PL	LCF	LH
SX- 7.03	△	7.03	110	8	7	25	70
- 7.04	△	7.04					
- 7.05	△	7.05					
- 7.06	△	7.06					
- 7.07	△	7.07					
- 7.08	△	7.08					
- 7.09	△	7.09					
- 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					
- 7.9	△	7.9					
- 8.0	●	8.0					
- 8.01	△	8.01					
- 8.02	△	8.02					
- 8.03	△	8.03					
- 8.04	△	8.04					
- 8.05	△	8.05					
- 8.06	△	8.06					
- 8.07	△	8.07					
- 8.08	△	8.08					
- 8.09	△	8.09					
- 8.1	△	8.1	135	10	7	25	90
- 8.2	△	8.2					
- 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					
- 9.01	△	9.01	135	10	7	25	90
- 9.02	△	9.02					
- 9.03	△	9.03					
- 9.04	△	9.04					
- 9.05	△	9.05					
- 9.06	△	9.06					
- 9.07	△	9.07					
- 9.08	△	9.08					
- 9.09	△	9.09					
- 9.1	△	9.1					
- 9.2	△	9.2	150	10	7	29	100
- 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					
-10.01	△	10.01					
-10.02	△	10.02					
-10.03	△	10.03					

★PL means chamfering length to DC.

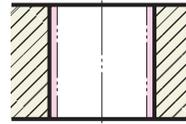
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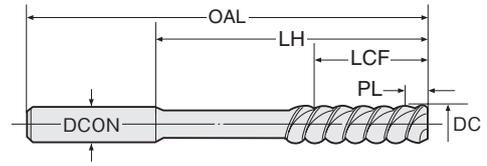
**SX**

**Carbide Broach Reamer (Straight Shank)**



Explanation of the Code No.

- SX** - **6.0**
  - DIAMETER
- BROACH REAMER SERIES
- SX : STRAIGHT 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	DCON	PL	LCF	LH
SX-10.04	△	10.04	150	10	7	29	100
-10.05	△	10.05					
-10.06	△	10.06					
-10.07	△	10.07					
-10.08	△	10.08					
-10.09	△	10.09					
-10.1	△	10.1					
-10.2	△	10.2					
-10.3	△	10.3					
-10.4	△	10.4					
-10.5	△	10.5	155	12	7	29	105
-10.6	△	10.6					
-10.7	△	10.7					
-10.8	△	10.8					
-10.9	△	10.9					
-11.0	●	11.0					
-11.01	△	11.01					
-11.02	△	11.02					
-11.03	△	11.03					
-11.04	△	11.04					
-11.05	△	11.05					
-11.06	△	11.06	155	12	7	29	105
-11.07	△	11.07					
-11.08	△	11.08					
-11.09	△	11.09					
-11.1	△	11.1					
-11.2	△	11.2					
-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					
-12.01	△	12.01					
-12.02	△	12.02					
-12.03	△	12.03					
-12.04	△	12.04					
-12.05	△	12.05					
-12.06	△	12.06	160	12	7	29	105
-12.07	△	12.07					
-12.08	△	12.08					
-12.09	△	12.09					
-12.1	△	12.1					
-12.2	△	12.2					
-12.3	△	12.3					

Code No.	STOCK	DC H7	OAL	DCON	PL	LCF	LH
SX-12.4	△	12.4	165	12	7	29	110
-12.5	△	12.5					
-12.6	△	12.6					
-12.7	△	12.7					
-12.8	△	12.8					
-12.9	△	12.9					
-13.0	●	13.0					
-13.01	△	13.01					
-13.02	△	13.02					
-13.03	△	13.03					
-13.04	△	13.04					
-13.05	△	13.05	165	12	7	29	110
-13.06	△	13.06					
-13.07	△	13.07					
-13.08	△	13.08					
-13.09	△	13.09					
-13.1	△	13.1					
-13.2	△	13.2					
-13.3	△	13.3					
-13.4	△	13.4					
-13.5	△	13.5					
-13.6	△	13.6	170	16	7	29	115
-13.7	△	13.7					
-13.8	△	13.8					
-13.9	△	13.9					
-14.0	●	14.0					
-14.01	△	14.01					
-14.02	△	14.02					
-14.03	△	14.03					
-14.04	△	14.04					
-14.05	△	14.05					
-15.0	△	15.0					
-16.0	△	16.0					
-17.0	△	17.0					
-18.0	△	18.0					
-19.0	△	19.0					
-20.0	△	20.0					
-21.0	△	21.0					
-22.0	△	22.0					
-23.0	△	23.0					
-24.0	△	24.0					
-25.0	△	25.0	230	25	8	33.5	160
-26.0	△	26.0					
-27.0	△	27.0					
-28.0	△	28.0					
-29.0	△	29.0					
-30.0	△	30.0					

★PL means chamfering length to DC.

CARBIDE FOR THROUGH HOLE

