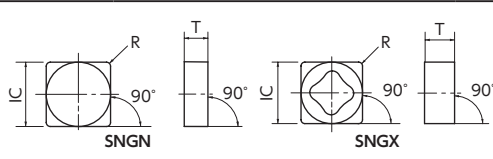


Item Number	IC	T
SN_1204	12.7	4.76
SN_1207	12.7	7.94
SN_1507	15.875	7.94
SN_1906	19.05	6.35
SN_1907	19.05	7.94

<90 degree Square Negative type>



Material	P	M	K	N	S	H
Steel	●	●	●	●	●	●
Stainless Steel	●	●	●	●	●	●
Cast Iron	●	●	●	●	●	●
Non-Ferrous Material	●	●	●	●	●	●
Heat Resistant Alloy	●	●	●	●	●	●
Hardened Material	●	●	●	●	●	●

● : 1st Choice
● : 2nd choice

Shape	ISO Item Number	Inch Item Number	R	Ceramics														For applicable holder, see pages:		
				BIDEMICS		Alumina-based							Silicon nitride-based						Whisker-based	
				JX1	JX3	HC1	HW2	HC2	HC4	HC6	ZC7	SX6	SX7	SX3	SX9	SP9	WA1		WA5	
	SNGN 120412 T01025	SNGN433-TN	1.2			●		●		●	●							●		F17 F19 F21 K36 N12 N14 N16
	120412 T02020	—	1.2											●				●		
	120412 T02025	433-TNF	1.2															●		
	120412 Z02025	433-ZNF	1.2							●										
	120416 S02025	434-SNF	1.6											●						
	120416 T00520	—	1.6																●	
	120416 T01020	—	1.6															●	●	
	120416 T01025	434-TN	1.6			●		●		●	●								●	
	120416 T02020	—	1.6											●						
	120416 T02025	434-TNF	1.6															●		
	120416 Z02025	434-ZNF	1.6							●										
	120420 T01025	435-TN	2					●		●										
	120420 T01020	—	2																●	
	120420 T02020	—	2											●						
	120420 T02025	435-TNF	2			●													●	
	120424 T01025	436-TN	2.4						●											
	120424 T02020	—	2.4											●						
	SNGN 120708 T02025	SNGN452-TN	0.8			●		●												
	120712 S02025	453-SNF	1.2						●											
	120712 T02025	453-TN	1.2						●											
120716 T02025	454-TN	1.6					●													
SNGN 150716 T02025	SNGN554-TN	1.6																●		
SNGN 190616 T00525	SNGN644-TNB	1.6															●			
SNGN 190724 T00525	SNGN656-TNB	2.4															●			
	SNGX 120712 T02025	—	1.2															●	F17 K36	
	120716 T02025	—	1.6															●		

● : Standard stock ● : New standard stock ■ : Scheduled to be produced by order ★ : Standard stock (Specified)

- New Products
- Tool Materials / Selection Guide
- BIDEMICS, PCD, CBN and Ceramics
- Micrograin Carbide, PVD Coated Carbide
- Insert Item List
- General Turning Toolholders
- Unique Swiss Tooling
- Grooving / Side Turning
- Threading
- Shaper
- ID Tooling
- Application Introduction
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