

NPN

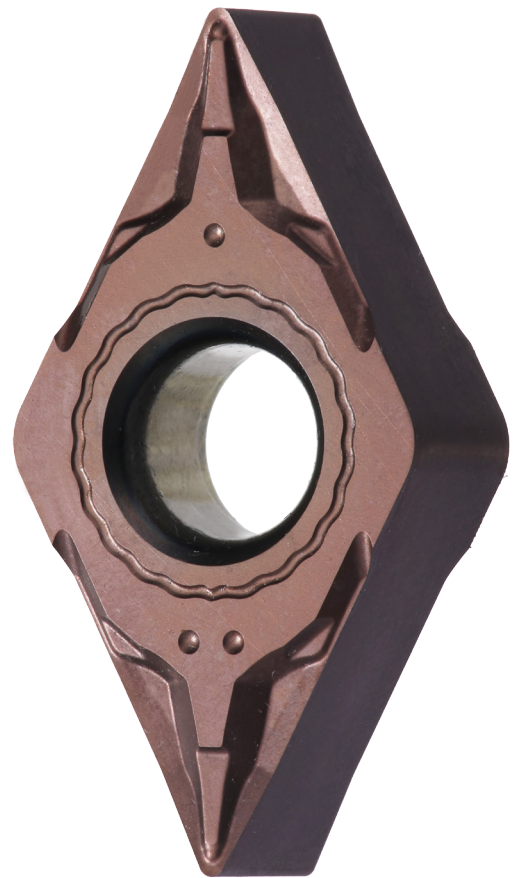
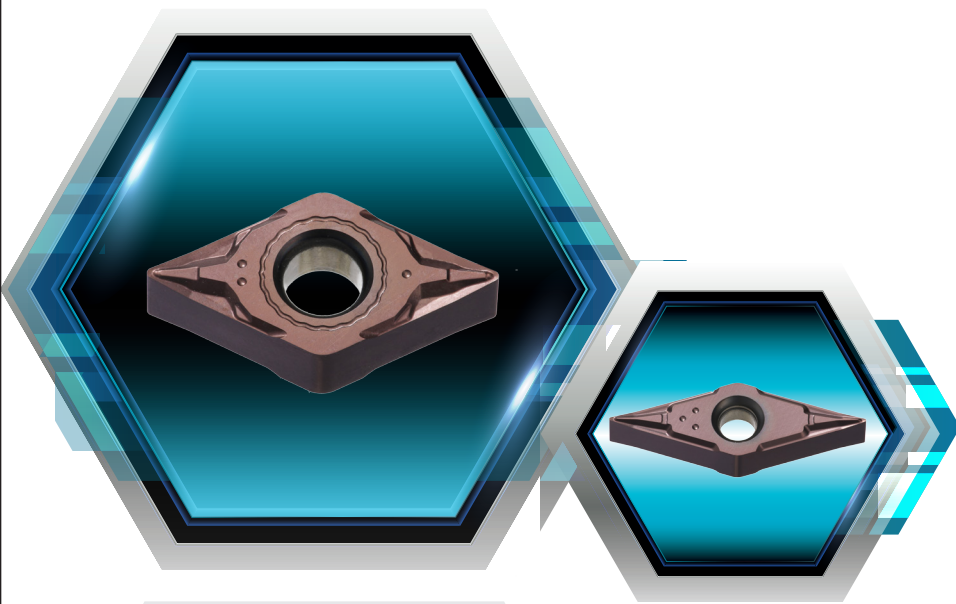
New Product News



RHINO TURN

SWISS

New Chip Breakers for Smaller-Size Machining Applications



KEY POINT

New chip breakers for Taegutec's RHINOTURN SWISS line released.

TaeguTec has introduced two new chip breakers specifically for smaller-size products machining. The **FU** and **FS** chip breakers minimize the built-up-edges that occur during machining due to their sharp cutting edges which ensure longer tool life. Designed as double-sided, four-corner inserts, they are more economical than the existing positive inserts for Swiss turning.

The **FU** chip breaker, for general purpose machining, has a wide chip control area. The **FS** chip breaker for super finishing applications has excellent chip control capability at low depths of cut, thus minimizing swarf challenges during machining.

Even though both the **FU** and **FS** chip breakers are double-sided, they are characterized by low cutting load and vibration acting like single-sided types when mounted to the holder.

The double-sided **RHINOTURN SWISS FU** and **FS** items include high quality sharp cutting edges, through a micro unit chipping control system, resulting in excellent surface roughness and precision at low depths of cut.

Both chip breakers come in the latest PVD grades — T4410 and TT4430 grades — providing excellent performance in Swiss type automatic lathes.

Features

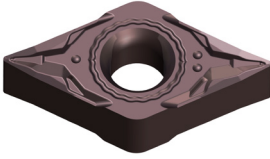
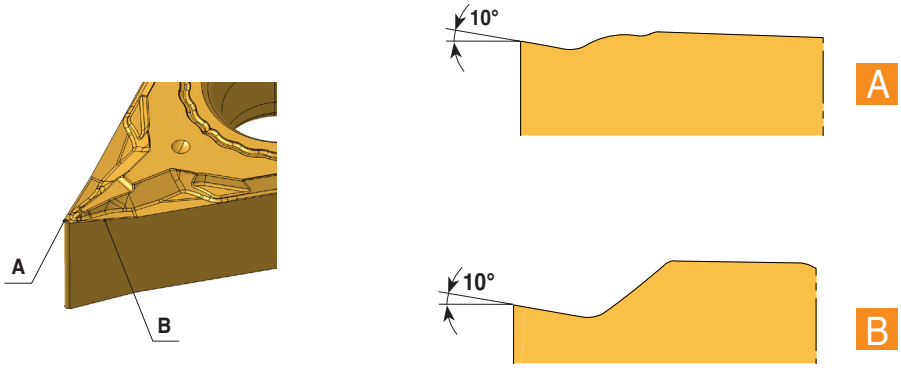
■ FU chip breaker

- Wide chip control range
- For Swiss type automatic lathes general purpose machining
- Low cutting load and vibration

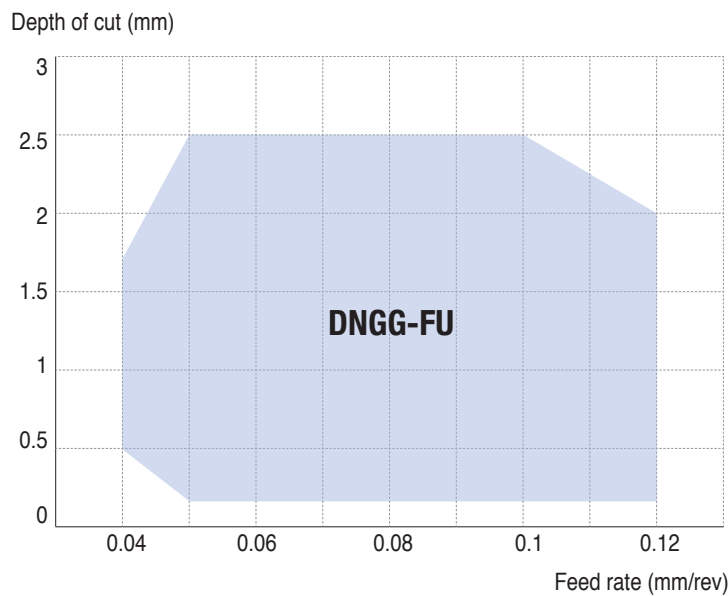
■ FS chip breaker

- Low cutting load and vibration
- For Swiss type lathes super finishing applications
- Low cutting load and vibration

FU chip breaker geometry

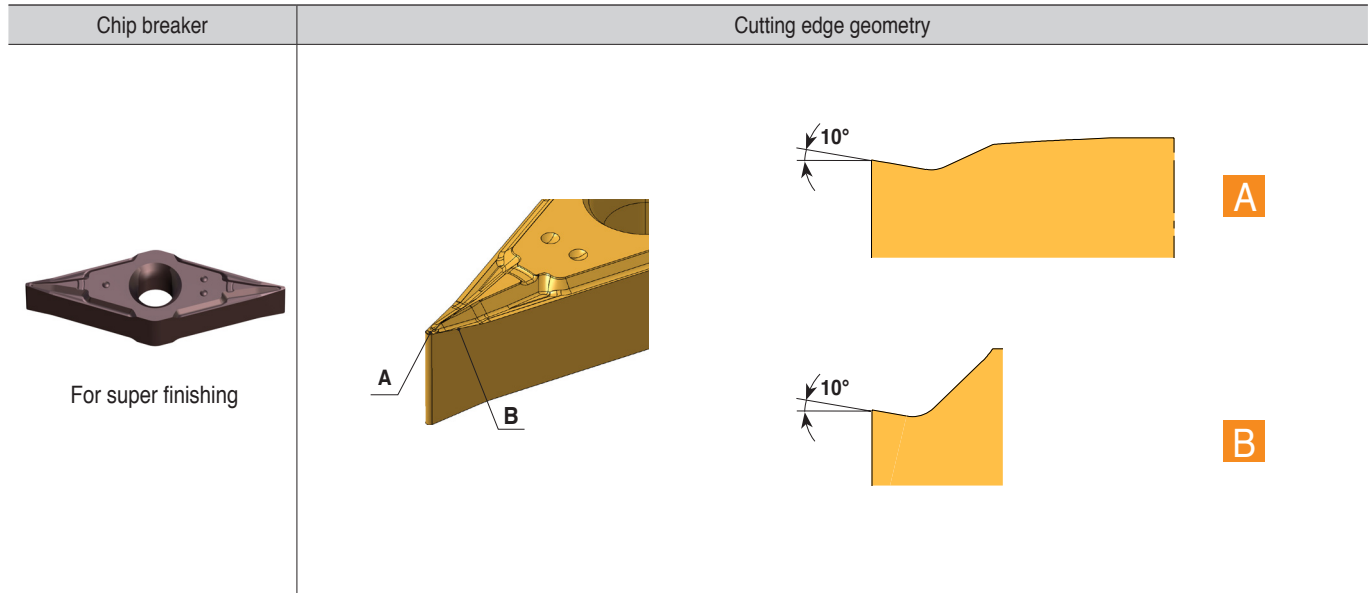
Chip breaker	Cutting edge geometry
 <p>For medium (General purpose)</p>	

FU chip breaker range

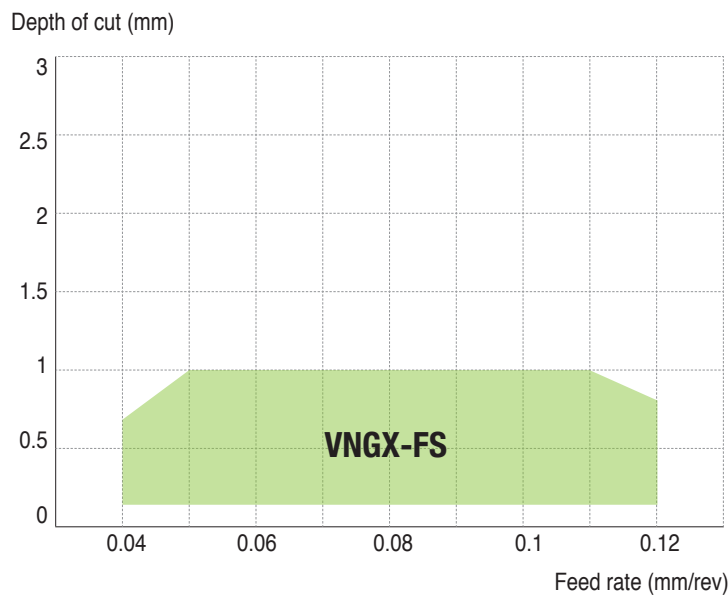


- Insert : DNGG 130502M FU-F
- Cutting speed (V) : 80m/min
- Material : AISI 304 (HB140-160)

FS chip breaker geometry



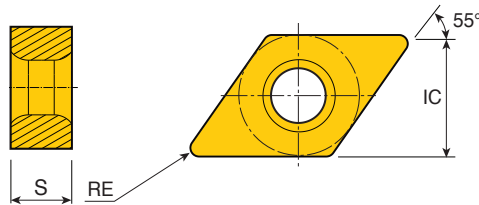
FS chip breaker range



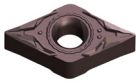
- Insert : VNGX 130402M FS-F
- Cutting speed (V) : 80m/min
- Material : AISI 304 (HB140-160)

DNGG new

Negative 55° rhombic inserts



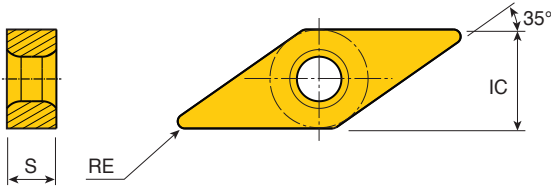
Size	Dimension (mm)		
	IC	S	RE
15	11.11	5.56	0.1-0.4

Insert	Designation	ap (mm)	Feed (mm/rev)	PVD coated	
				TT4410	TT4430
	DNGG 130501M FU-F	0.2-2.5	0.03-0.12	●	●
	130502M FU-F	0.2-2.5	0.04-0.12	●	●
	130504M FU-F	0.4-2.5	0.05-0.12	●	●

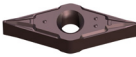
●: Standard items

VNGX new

Negative 35° rhombic inserts



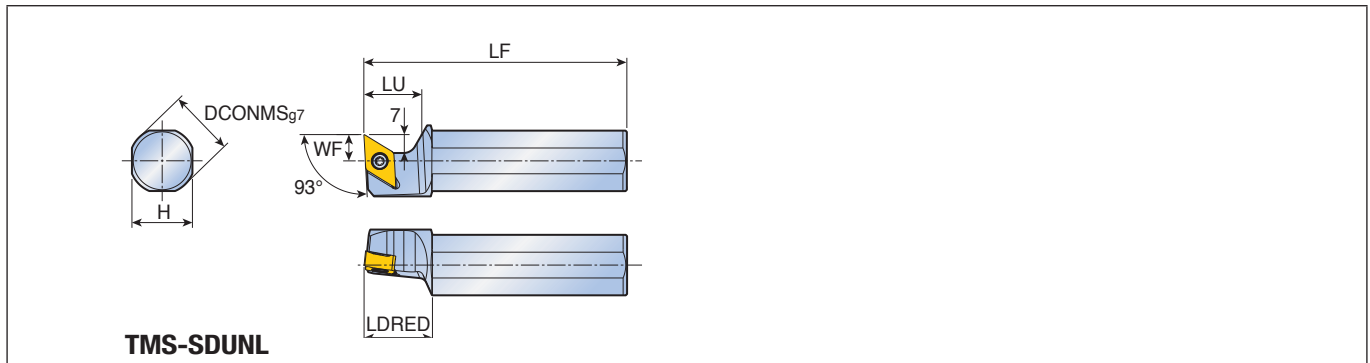
Size	Dimension (mm)		
	IC	S	RE
13	7.94	4.76	0.1-0.2

Insert	Designation	ap (mm)	Feed (mm/rev)	PVD coated	
				TT4410	TT4430
	VNGX 130401M FS-F	0.2-1.0	0.03-0.12	●	●
	130402M FS-F	0.2-1.0	0.04-0.12	●	●

●: Standard items

TMS-SDUNL

Sleeve holders



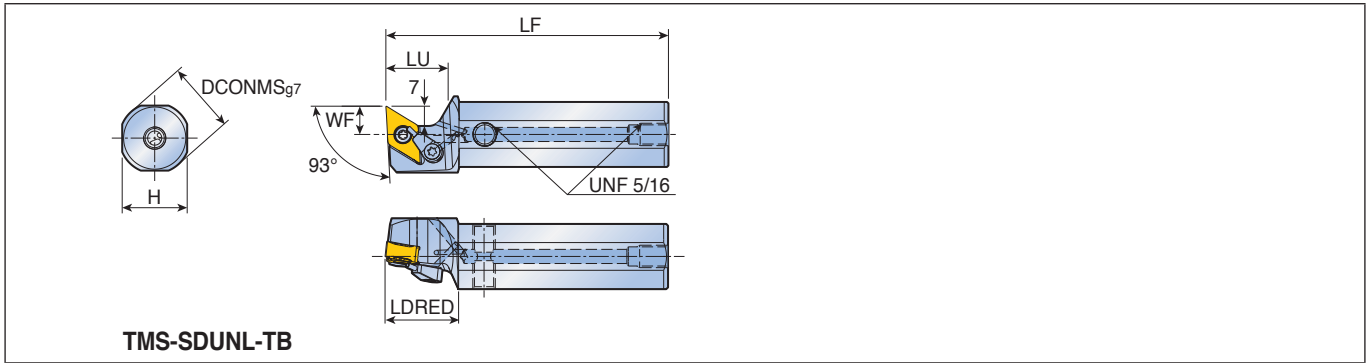
Approach angle	Designation	Dimension (mm)						Insert
		DCONMS	H	LF	WF	LU	LDRED	
	TMS- 16X SDUNL 1305	16	15	85	10	22	26	DN...G 1305...
	19.05H SDUNL 1305	19.05	17	100	10	22	26	
	20H SDUNL 1305	20	18	100	10	22	26	
	22H SDUNL 1305	22	20	100	10	22	26	
	25H SDUNL 1305	25	23	100	10	22	26	

Spare parts

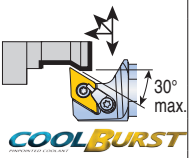
Designation	Screw	Wrench				
TMS-SDUNL	TS 40G110I	T 15				

TMS-SDUNL-TB

Sleeve holders with high-pressure coolant



Approach angle	Designation	Dimension (mm)						Insert
		DCONMS	H	LF	WF	LU	LDRED	
93°	TMS- 25H SDUNL 1305-TB	25	23	100	10	22	26	DN...G 1305...

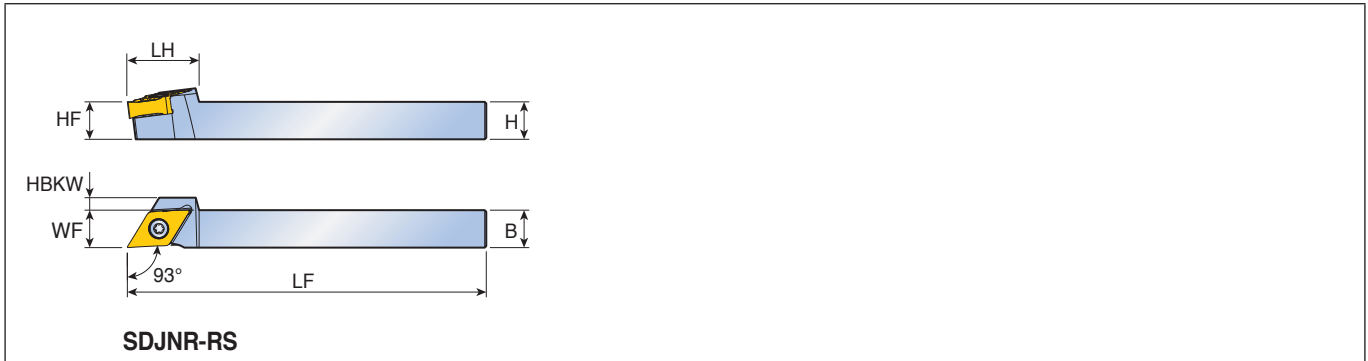


Spare parts

Designation	Screw	Cooling unit	Plug	Wrench	
TMS-SDUNL-TB	TS 40G110I	S-CU-TB	PLG 5/16 UNF	T 15	L-W 5/32



SDJNR-RS

Sleeve holders



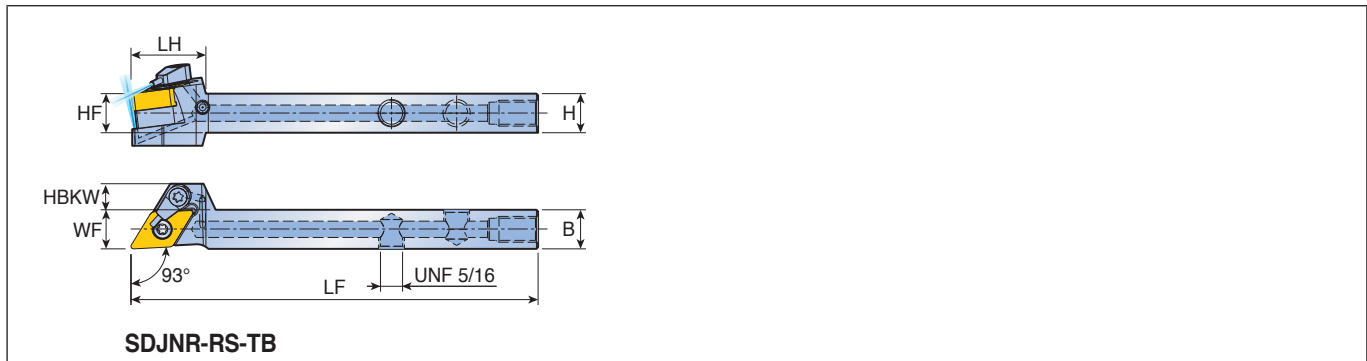
Approach angle	Designation	Dimension (mm)							Insert
		H	HF	B	LF	LH	WF	HBKW	
93°	SDJNR1212 K1305-RS	12	12	12	125	23	12	4	DN...G 1305...
	1616 K1305-RS	16	16	16	125	23	16	-	
	2020 K1305-RS	20	20	20	125	23	20	-	

Spare parts

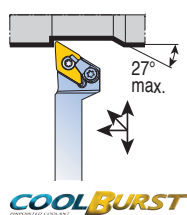
Designation	Screw	Wrench				
	SDJNR-RS	 TS 40G110I	 T 15			

SDJNR-RS-TB

Screw type holders with high-pressure coolant



Approach angle	Designation	Dimension (mm)							Insert
		H	HF	B	LF	LH	WF	HBKW	
93°	SDJNR 1212 K1305-RS-TB	12	12	12	125	23	12	8	DN...G 1305...
	1616 K1305-RS-TB	16	16	16	125	23	16	4	

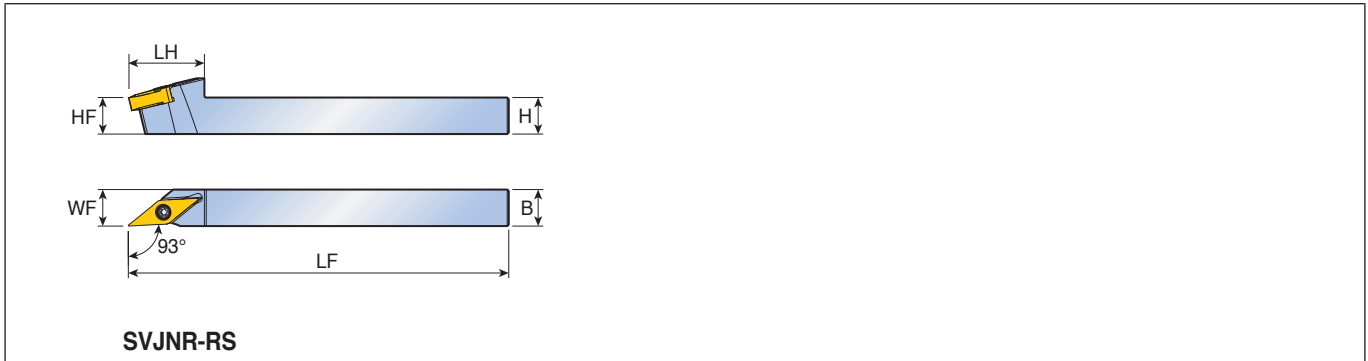


Spare parts

Designation	Screw	Cooling unit	Plug	Wrench			
SDJNR-RS-TB	TS 40G110I	S-CU-TB	PLG 5/16 UNF	T 15	L-W 5/32		

SVJNR-RS

Screw type holders



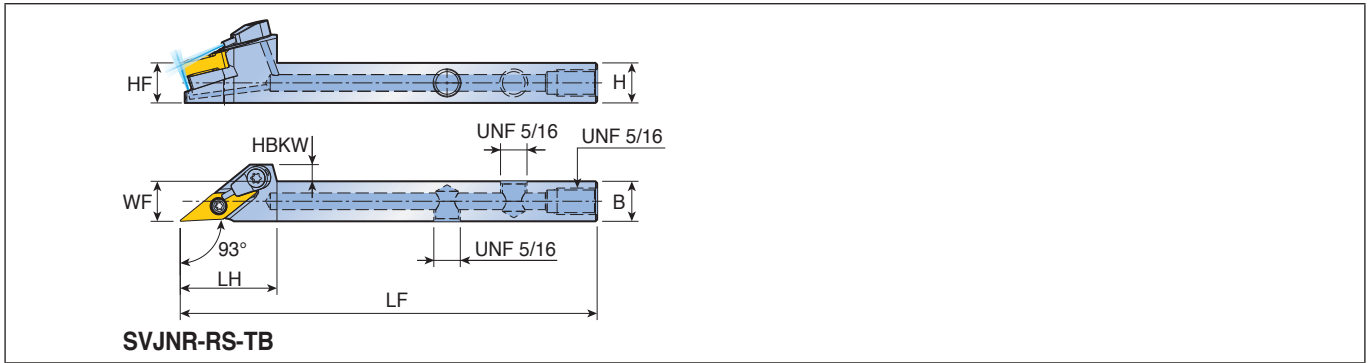
Approach angle	Designation	Dimension (mm)						Insert
		H	HF	B	LF	LH	WF	
93° 	SVJNR 1212 K1304-RS	12	12	12	125	25	12	VN...X 1304...
	1616 K1304-RS	16	16	16	125	25	16	
	2020 K1304-RS	20	20	20	125	25	20	

Spare parts

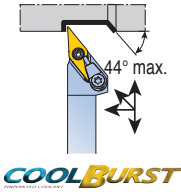
Designation	Screw 	Wrench 				
SVJNR-RS	TS 300801/HG	T 9(T-9/5)				

SVJNR-RS-TB

Screw type holders with high-pressure coolant



Approach angle	Designation	Dimension (mm)							Insert
		H	HF	B	LF	LH	WF	HBKW	
93°	SVJNR 1212 K1304-RS-TB	12	12	12	125	29	12	5	VN...X 1304...
	1616 K1304-RS-TB	16	16	16	125	29	16	1	



Spare parts

Designation	Screw	Cooling unit	Plug	Wrench			
SVJNR-RS-TB	TS 30080I/HG	S-CU-TB	PLG 5/16 UNF	T 9(T-9/5)	L-W 5/32		