

TURNING &
GROOVE-TURN

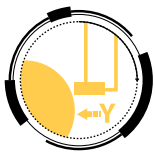
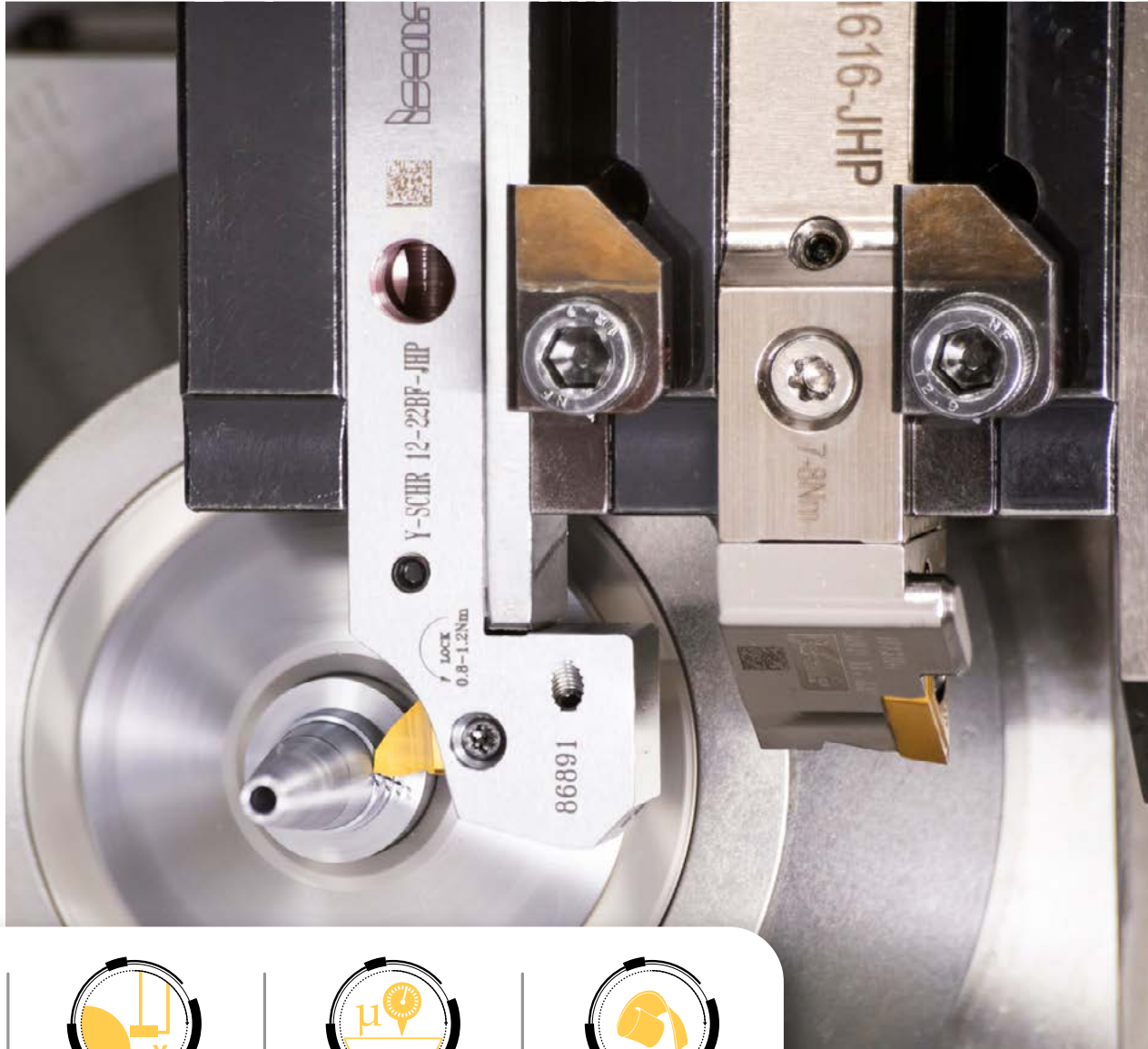
20-2022

AUGUST 2022

METRIC

NPA

New Product Announcement



Y-Axis
Machining



Excellent
Surface Quality



Easy Chip
Evacuation



NEO^{AXIS}SWISS

New **Y-Axis** Turning Holders for Swiss-Type Machines

METRIC

Y-Axis
MachiningExcellent Surface
Quality

Easy Chip Evacuation

NPA

New Product Announcement

NEO^{AXIS}SWISS

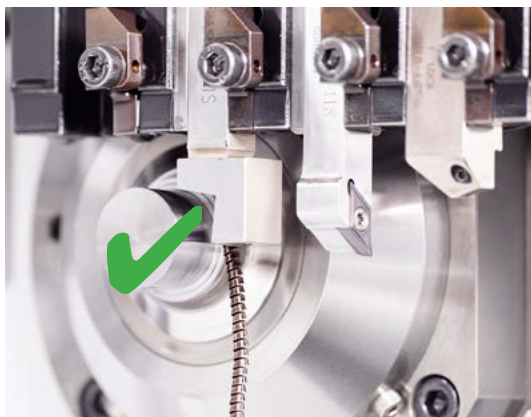
Highlights

New Integral Y-Axis Tools for Swiss-Type Machines, Intended for Diverse Applications with 12, 12.7 and 16mm Shanks.

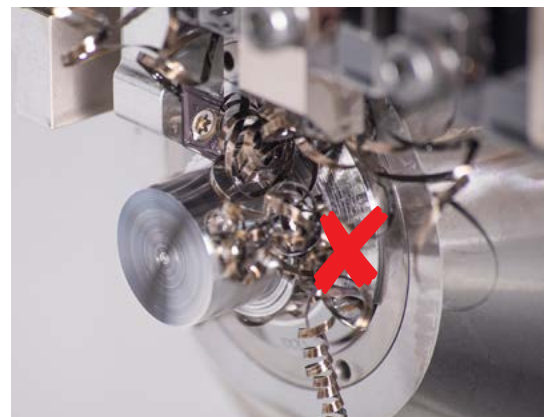
Features

- The Y-Axis-type tools, feature extremely stable cutting due to the pocket position that is perpendicular to the shank.
- The main cutting forces are applied in the direction of the shank on the longitudinal axis. Prevents tool bending even under high machining conditions, ensures vibration free cutting and excellent surface quality.
- The tool stability guarantees precise cut and reliable machining.
- The Y-Axis tool position, enables the evacuation of long chips in a downward direction due to the gravitational force. Suitable for difficult to cut materials such as stainless steel, titanium, low carbon alloys, etc.
- ISCAR's tools are designed with pinpointed coolant enabled from the top and bottom of the tool which assures higher performance.
- The new tools enhance ISCAR's variety and provide superb solutions for Swiss-type machining applications.

Y-Axis



X-Axis



[Click for Short Video](#)

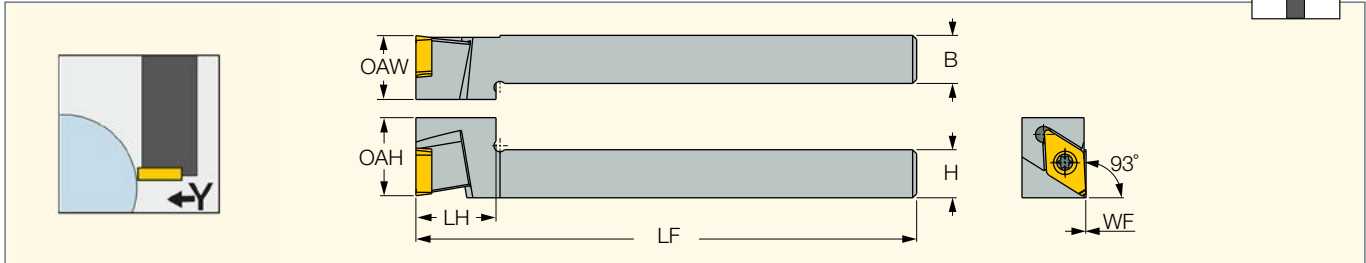
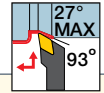
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New Product Announcement

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Y-SDJCR

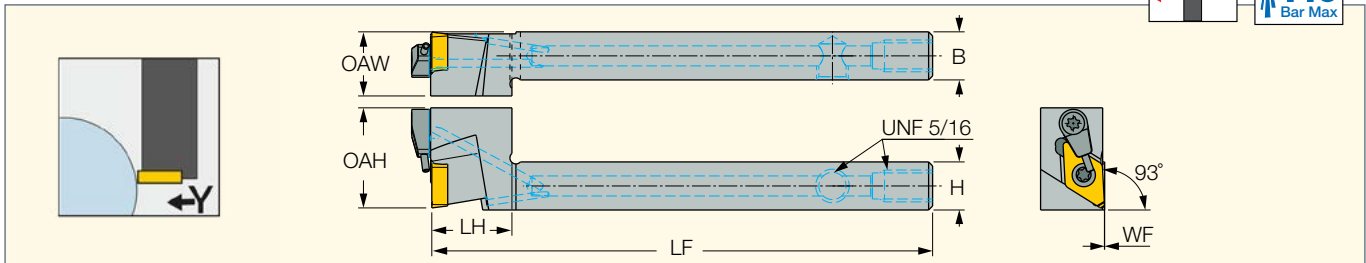
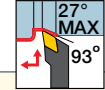
Y-Axis Screw Lock Integral Tools Carrying
7° Clearance 55° Rhombic Inserts for Swiss-Type Machines



Designation	H	B	LF	LH	OAH	OAW	WF	Insert		
Y-SDJCR 1212K-11S	12.0	12.0	125.00	21.0	20.00	16.00	0.00	DCMT 11T3..	SR 35080I	T-15/5
Y-SDJCR 1616K-11S	16.0	16.0	125.00	21.0	20.00	16.00	0.00	DCMT 11T3..	SR 35080I	T-15/5

Y-SDJCR-JHP

Y-Axis Screw Lock JETCUT Integral Tools Carrying
7° Clearance 55° Rhombic Inserts for Swiss-Type Machines



Designation	H	B	LF	LH	OAH	OAW	WF	Insert				
Y-SDJCR 1212K-11S-JHP	12.0	12.0	125.00	21.0	25.50	16.00	0.00	DCMT 11T3..	SR 35080I	T-15/5	HW 5/32"	SR 5/16UNF TL360
Y-SDJCR 1616K-11S-JHP	16.0	16.0	125.00	21.0	25.50	16.00	0.00	DCMT 11T3..	SR 35080I	T-15/5	HW 5/32"	SR 5/16UNF TL360

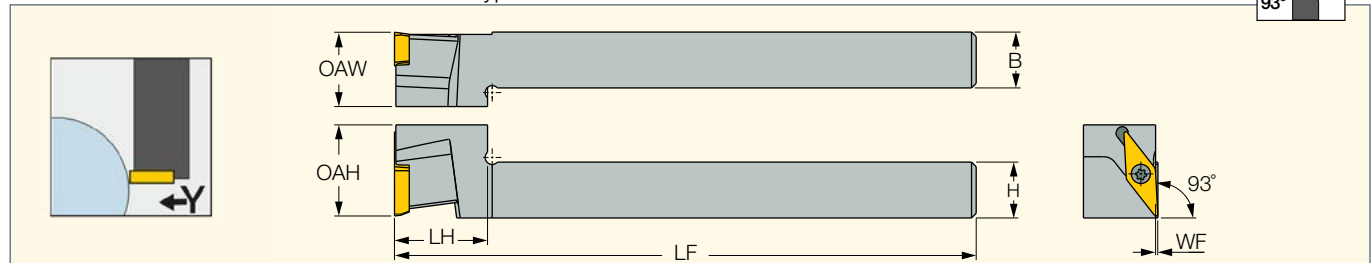
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New Product Announcement

NEO^{AXIS}SWISS

Y-SVJCR

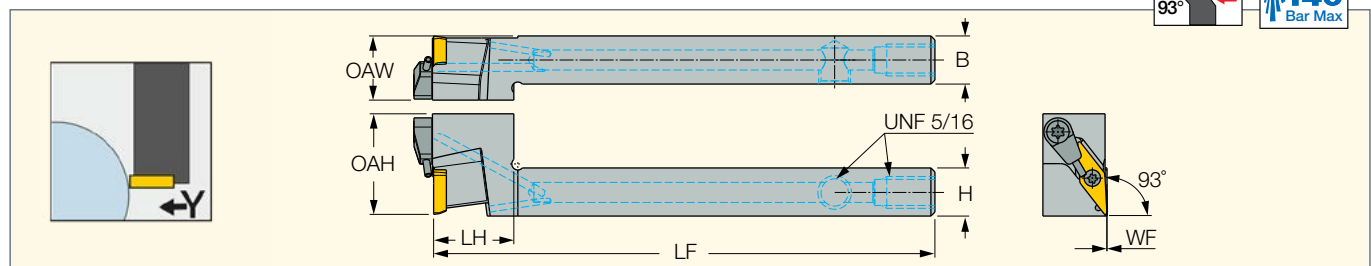
Y-Axis Screw Lock Integral Tools Carrying
7° Clearance 35° Rhombic Inserts for Swiss-Type Machines



Designation	H	B	LF	LH	OAH	OAW	WF	Insert	
Y-SVJCR 1212K-11S	12.0	12.0	125.00	21.0	20.00	16.00	0.00	VCMT 1103..	T-7/5
Y-SVJCR 1616K-11S	16.0	16.0	125.00	21.0	20.00	16.00	0.00	VCMT 1103..	T-7/5

Y-SVJCR-JHP

Y-Axis Screw Lock JETCUT Integral Tools Carrying
7° Clearance 35° Rhombic Inserts for Swiss-Type Machines



Designation	H	B	LF	LH	OAH	OAW	WF	Insert		
Y-SVJCR 1212K-11S-JHP	12.0	12.0	125.00	21.0	25.50	16.00	0.00	VCMT 1103..	T-7/5	HW 5/32" SR 5/16UNF TL360
Y-SVJCR 1616K-11S-JHP	16.0	16.0	125.00	21.0	25.50	16.00	0.00	VCMT 1103..	T-7/5	HW 5/32" SR 5/16UNF TL360

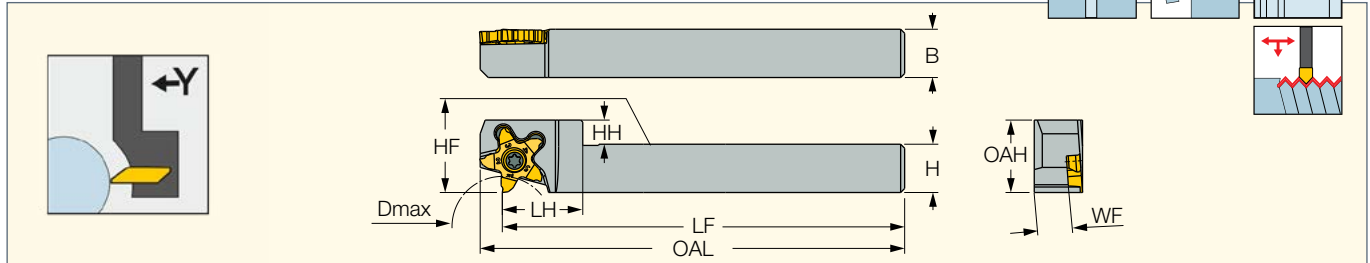
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New Product Announcement

NEO^{AXIS}SWISS

Y-PCHRS-17

Y-Axis Screw Lock Integral Tools Carrying 5 Edged Inserts
for Grooving, Parting, and Recessing on Swiss-Type Machines



Designation	H	B	HH	LH	HF	WF	OAH	LF	OAL	D _{max}
Y-PCHRS 12-17	12.0	12.0	6.0	20.0	12.0	8.60	18.00	100.00	105.50	25.0 ⁽¹⁾
Y-PCHRS 16-17	16.0	16.0	2.0	20.0	16.0	12.30	18.00	125.00	130.50	38.0 ⁽¹⁾

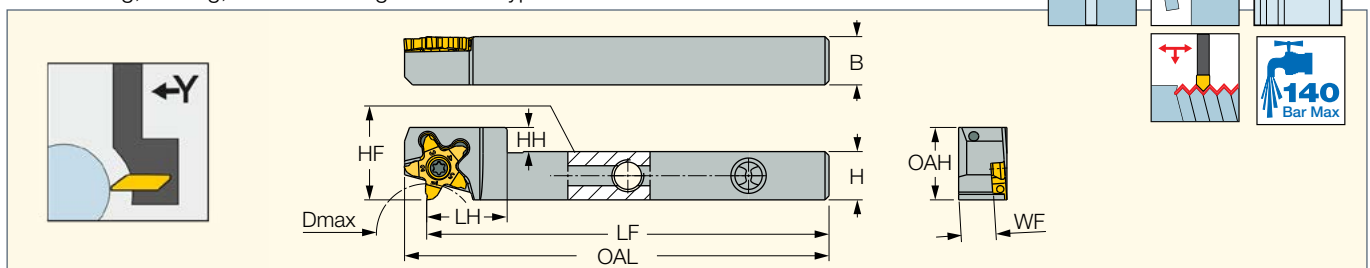
- Use right-hand inserts on right-hand tools and vice versa
- ⁽¹⁾ for grooving

Spare Parts

Designation	Key	Screw
Y-PCHRS-17	T-1508/5	SR M4-39432L

Y-PCHRS-17-JHP

Y-Axis Screw Lock JETCUT Integral Tools for 5 Edged Inserts
for Grooving, Parting, and Recessing on Swiss-Type Machines



Designation	H	B	HH	LH	HF	WF	OAH	LF	OAL	D _{max}
Y-PCHRS 12-17-JHP	12.0	12.0	6.0	20.0	12.0	8.60	18.00	100.00	105.50	25.0 ⁽¹⁾
Y-PCHRS 16-17-JHP	16.0	16.0	2.0	20.0	16.0	12.30	18.00	125.00	130.50	38.0 ⁽¹⁾

- Use right-hand inserts on right-hand tools and vice versa
- ⁽¹⁾ for grooving

Spare Parts

Designation	Screw	Key	Key 1	Plug
Y-PCHRS-17-JHP	SR M4-39432L	T-1508/5	HW 5/32"	SR 5/16UNF TL360

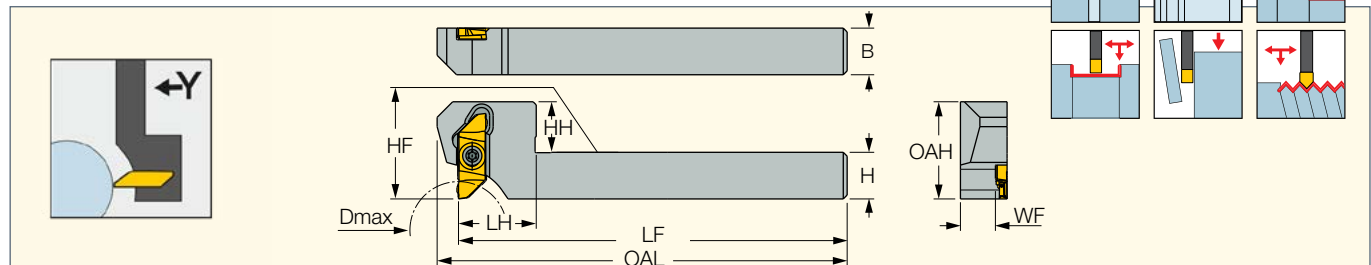
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New Product Announcement

NEO^{AXIS}SWISS

Y-SCHR-22BF

Y-Axis Screw Lock Integral Tools Carrying SWISSCUT Inserts
for Grooving and Turning on Swiss-Type Machines

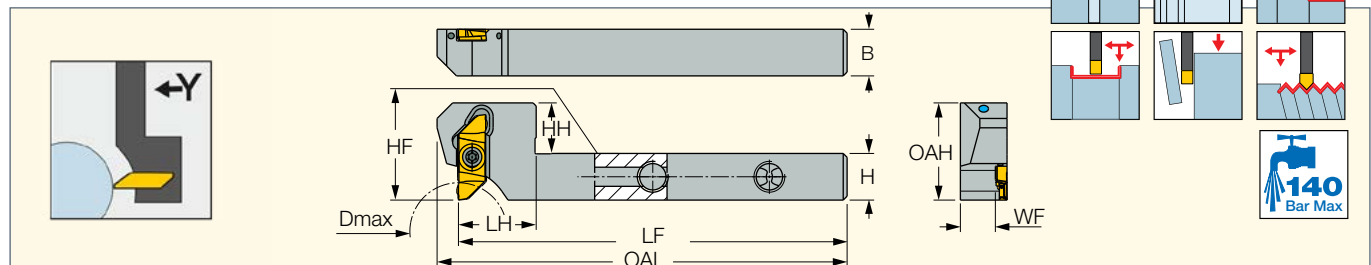


Designation	H	B	HH	LH	HF	WF	OAH	LF	OAL	D _{max}		
Y-SCHR 12-22BF	12.0	12.0	13.0	20.0	12.0	9.00	25.00	100.00	105.50	25.0 ⁽¹⁾	SR M4X0.7-19425	T-8/5
Y-SCHR 16-22BF	16.0	16.0	9.0	20.0	16.0	13.00	25.00	125.00	130.50	38.0 ⁽¹⁾	SR M4X0.7-19425	T-8/5

⁽¹⁾ for grooving

Y-SCHR-22BF-JHP

Y-Axis Screw Lock JETCUT Integral Tools for SWISSCUT Inserts
for Grooving and Turning on Swiss-Type Machines



Designation	H	B	HH	LH	HF	WF	OAH	LF	OAL	D _{max}
Y-SCHR 12-22BF-JHP	12.0	12.0	13.0	20.0	12.0	9.00	25.00	100.00	105.50	25.0 ⁽¹⁾
Y-SCHR 16-22BF-JHP	16.0	16.0	9.0	20.0	16.0	13.00	25.00	125.00	130.50	38.0 ⁽¹⁾

⁽¹⁾ for grooving

Spare Parts

Designation				
Y-SCHR-22BF-JHP	Key HW 5/32"	Key 1 T-8/5	Clamp Screw SR M4X0.7-19425	Plug SR 5/16UNF TL360