

TURNING &  
GROOVE TURN

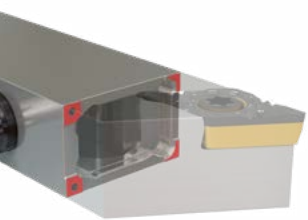
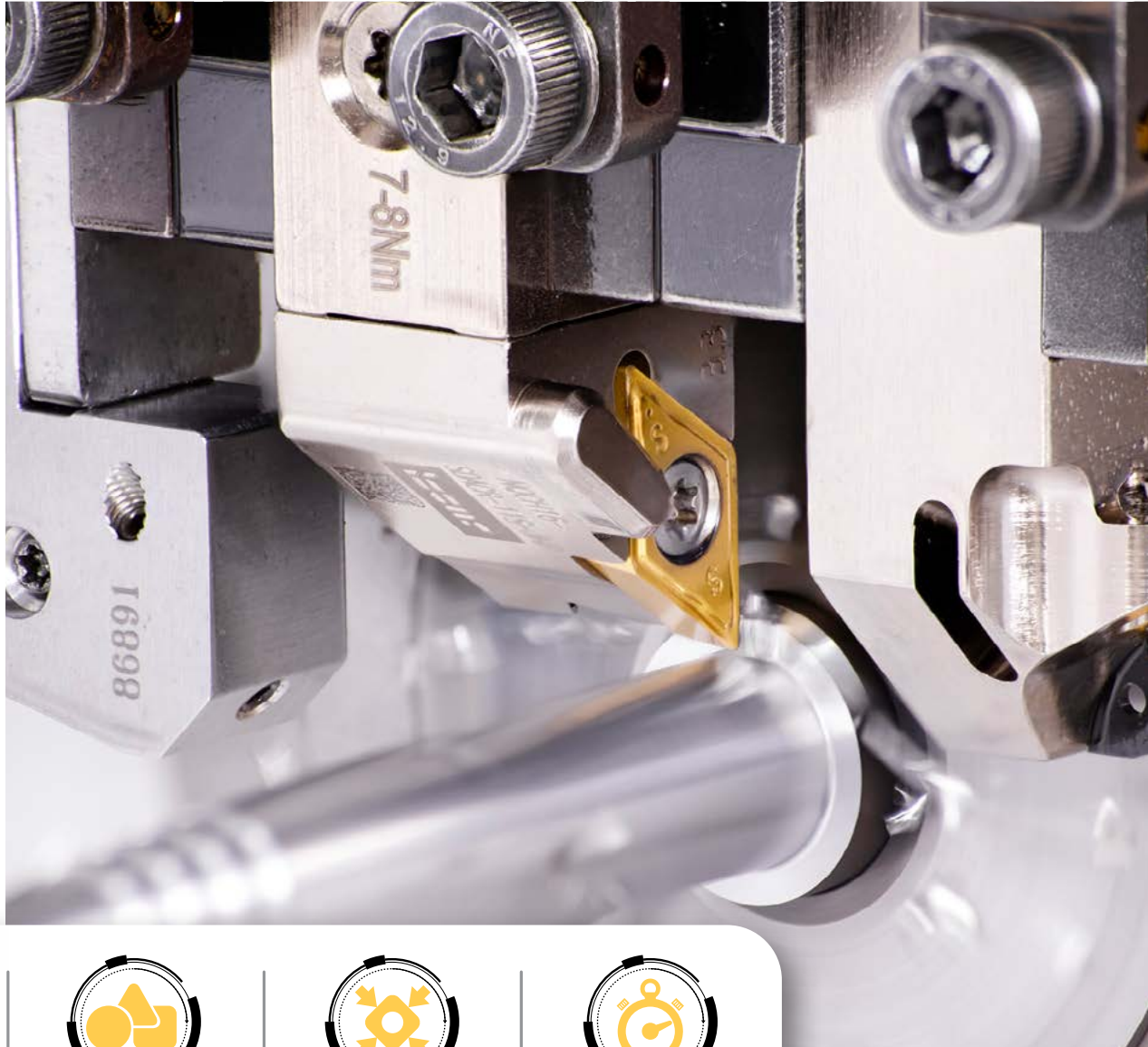
09-2022

MARCH 2022

METRIC

# NPA

New Product Announcement



Variety of  
Quick Change  
Head Geometries



Extreme Rigid  
Connection



Minimum Setup  
Time



**NEOSWISS**  
INDEXABLE HEADS

## New Modular Quick Change Heads for Swiss-Type Machines

METRIC



Variety of  
Quick Change  
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Extreme Rigid  
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Minimum Setup Time

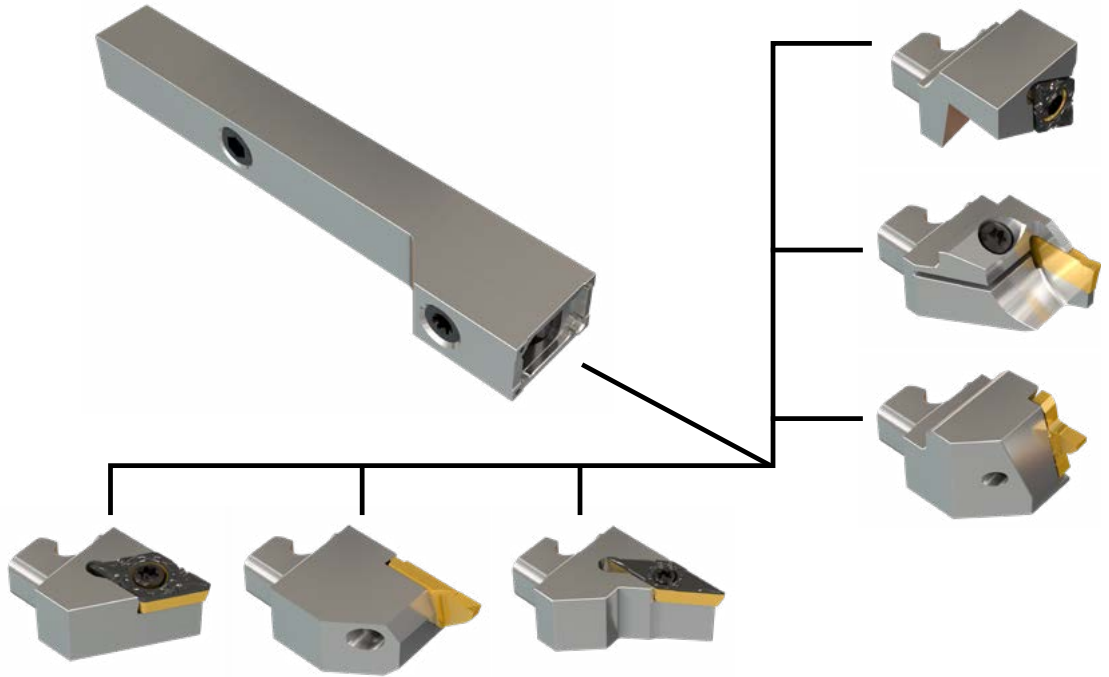
# NPA

New Product Announcement

**NEOSWISS**  
INDEXABLE HEADS

## Highlights

**A New Modular Quick Change Head System for Swiss-Type Machines Intended for Turning, Grooving, Parting, and Threading Applications**



[Click for Short Video](#)

**METRIC**



Variety of  
Quick Change  
Head Geometries



Extreme Rigid  
Connection



Minimum Setup Time

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New Product Announcement

## **NEOSWISS** INDEXABLE HEADS

### **Features**

- A unique patented clamping mechanism
- Very high clamping forces for extraordinary machining stability
- Clamping mechanism designed for high repeatability, ensures an accurate cutting edge position each time an insert is replaced
- Diverse of heads for turning, grooving, parting and threading operations
- A neutral shank that can be used for right and left hand heads
- Designed for high-pressure coolant assures increased tool life and improved chip breaking
- High position repeatability of  $\pm 0.02\text{mm}$  for every head replacement
- The toolholder can also be used for Y-axis machines with dedicated heads
- Easy insert replacement - the system enables removing heads and replacing inserts distant from the limited working space of the machine
- Significant and attractive miniature and medical industries

### **Availability**

- Most right-hand items are in stock. The availability of non-stock items is specified in the pages below.
- Left-hand items will be available during 2022.

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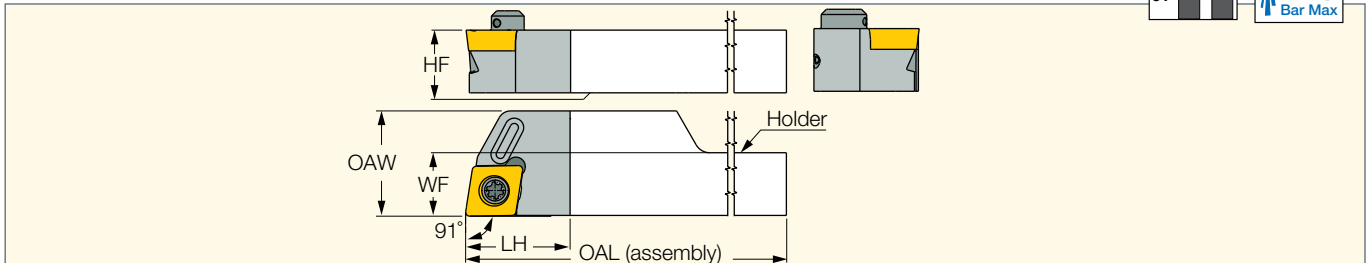
METRIC



### NEOSWISS

INDEXABLE HEADS

#### NQCH-SCACR/L-JHP

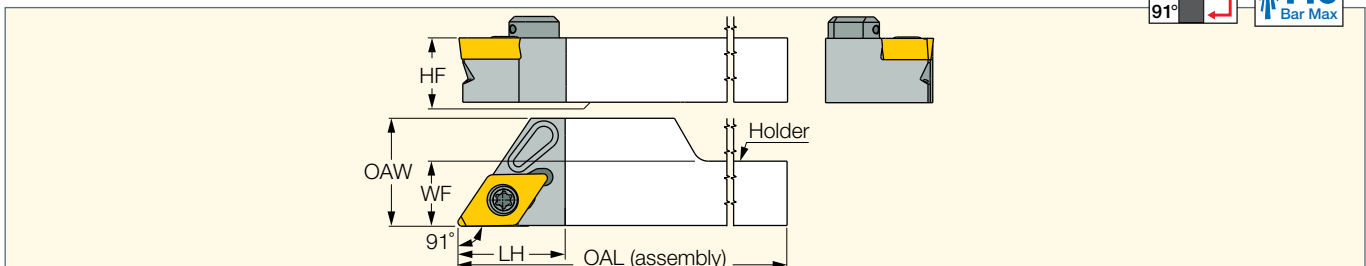
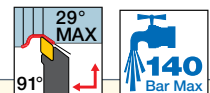
Screw Lock JETCUT Modular Heads Carrying  
7° Clearance 80° Rhombic Inserts for Swiss-Type Machines





Designation	WF	HF	LH	OAL	OAW	Insert		
NQCH12-SCACR/L-09S-JHP	12.15	12.0	20.0	120.00	20.15	CC.. 09T3	SR 16-236	T-15/5
NQCH16-SCACR/L-09S-JHP	16.15	16.0	20.0	120.00	20.15	CC.. 09T3	SR 16-236	T-15/5

#### NQCH-SDACR/L-S-JHP

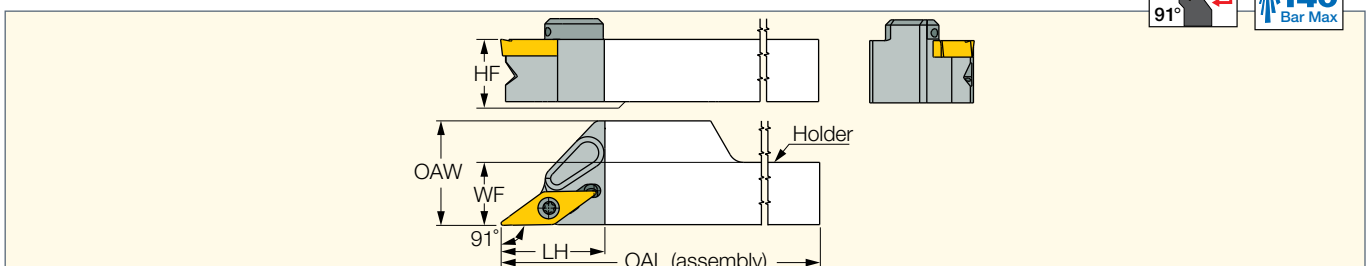
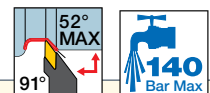
Screw Lock JETCUT Modular Heads Carrying  
7° Clearance 55° Rhombic Inserts for Swiss-Type Machines





Designation	WF	HF	LH	OAL	OAW	Insert		
NQCH12-SDACR/L-11S-JHP	12.15	12.0	20.0	120.00	20.15	DC.. 11T3	SR 16-236 P	T-15/5
NQCH16-SDACR/L-11S-JHP	16.15	16.0	20.0	120.00	20.15	DC.. 11T3	SR 16-236 P	T-15/5

#### NQCH-SVACR/L-S-JHP

Screw Lock JETCUT Modular Heads Carrying  
7° Clearance 35° Rhombic Inserts for Swiss-Type Machines



Designation	WF	HF	LH	OAL	OAW	Insert		
NQCH12-SVACR/L-11S-JHP	12.15	12.0	20.0	120.00	20.15	VC.. 1103	SR 14-560	T-8/5
NQCH16-SVACR/L-11S-JHP	16.15	16.0	20.0	120.00	20.15	VC.. 1103	SR 14-560	T-8/5

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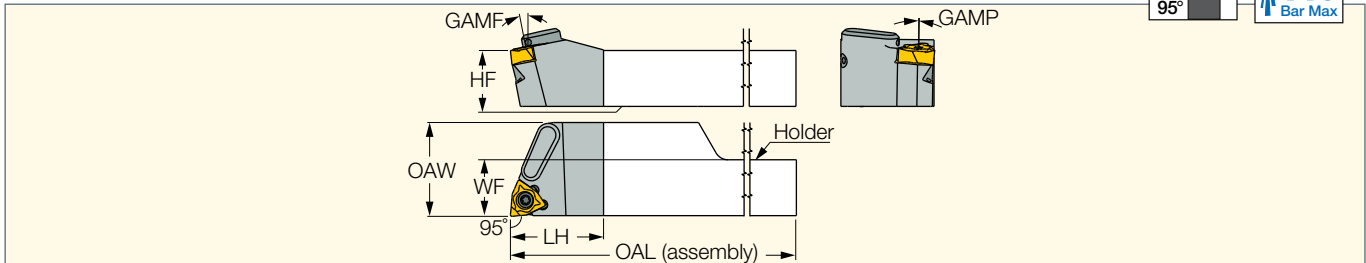
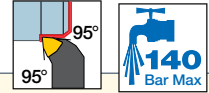
MARCH 2022

METRIC

### NEOSWISS INDEXABLE HEADS

#### NQCH-SWLNR/L-S-JHP

Screw Lock JETCUT Modular Heads Carrying Positive  
Double-Sided Trigon Inserts for Swiss-Type Machines



Designation	WF	HF	LH	OAL	OAW	GAMP	GAMF	Insert
NQCH12-SWLNR/L-04S-JHP	12.15	12.0	20.0	120.00	20.15	11.0	1.0	WNGP.. 0403
NQCH16-SWLNR/L-04S-JHP	16.15	16.0	20.0	120.00	20.15	11.0	1.0	WNGP.. 0403

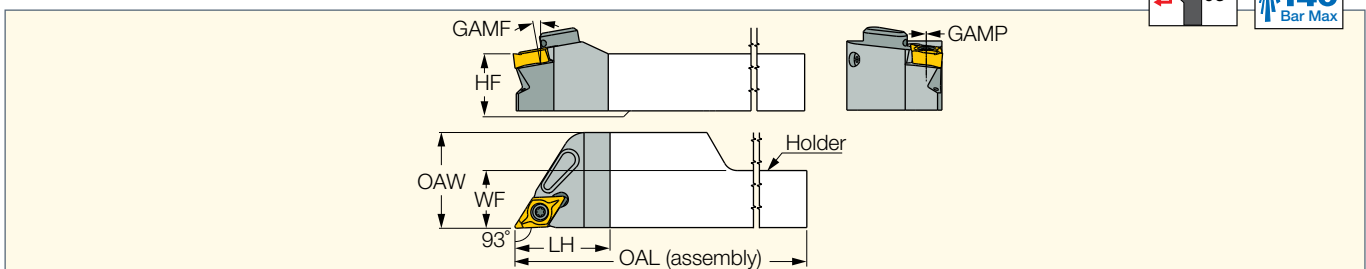
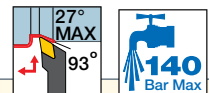
#### Spare Parts





Designation	Screw	Key
NQCH-SWLNR/L-S-JHP	SR 34-514	T-7/5

#### NQCH-SDJNR/L-S-JHP

Screw Lock JETCUT Modular Heads Carrying Positive  
Double-Sided 55° Rhombic Inserts for Swiss-Type Machines



Designation	WF	HF	LH	OAL	OAW	GAMP	GAMF	Insert		
NQCH12-SDJNR/L-07S-JHP	12.15	12.0	20.0	120.00	20.15	10.0	0.0	DNGP.. 0703	SR 34-514	T-7/5
NQCH16-SDJNR/L-07S-JHP	16.15	16.0	20.0	120.00	20.15	10.0	0.0	DNGP.. 0703	SR 34-514	T-7/5

# NPA

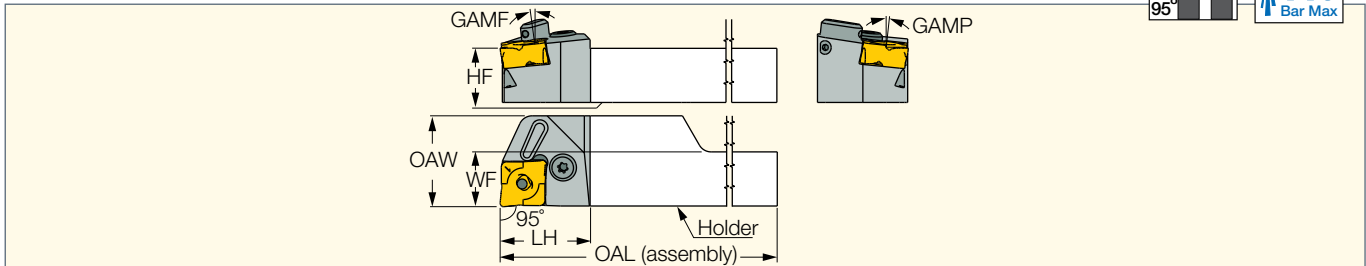
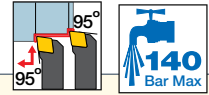
## New Product Announcement

### NEOSWISS

INDEXABLE HEADS

#### NQCH-PCLXR/L-S-JHP

Lever Lock JETCUT Modular Heads Carrying Positive  
Double-Sided 80° Rhombic Inserts for Swiss-Type Machines



Designation	WF	HF	LH	OAL	OAW	GAMP	GAMF	Insert
NQCH12-PCLXR/L-09X-JHP	12.15	12.0	20.0	120.00	20.15	6.0	6.0	CXMG.. 0904
NQCH16-PCLXR/L-09X-JHP	16.15	16.0	20.0	120.00	20.15	6.0	6.0	CXMG.. 0904

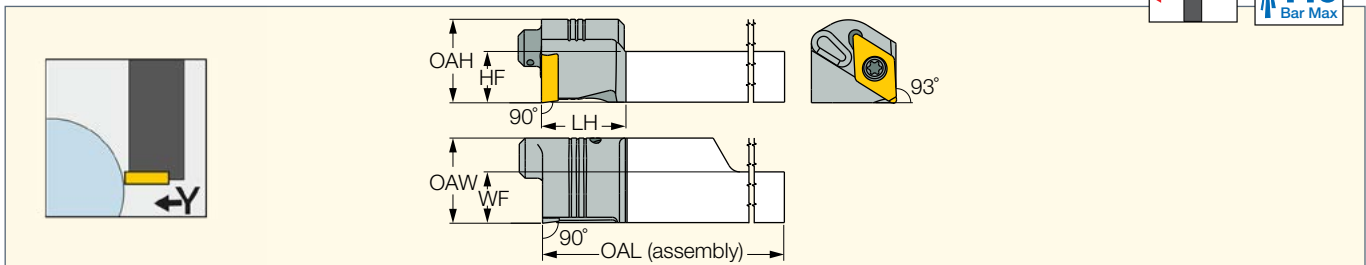
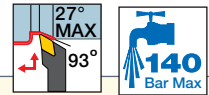
#### Spare Parts



Designation	Lever	Screw	Key
NQCH-PCLXR/L-S-JHP	LR 3X SET	SR M6XL11.5V	T-8/5

#### NQCH-Y-SDJCR-S-JHP

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



Designation	WF	HF	LH	OAL	OAW	Insert		
NQCH12-Y-SDJCR-11S-JHP <sup>(1)</sup>	12.15	12.2	20.0	120.00	20.00	DC.. 11T3	SR 16-236 P	T-15/5
NQCH16-Y-SDJCR-11S-JHP <sup>(1)</sup>	16.15	16.2	20.0	120.00	20.00	DC.. 11T3	SR 16-236 P	T-15/5

<sup>(1)</sup> Availability: 2<sup>nd</sup> quarter, 2022

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## New Product Announcement

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MARCH 2022

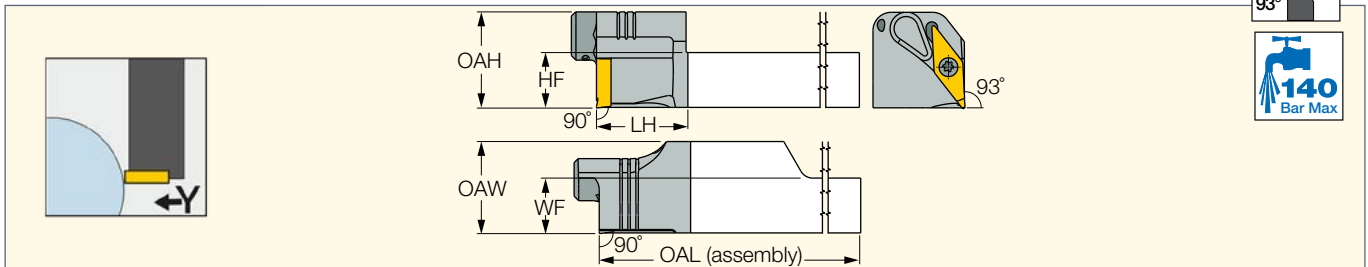
METRIC

### NEOSWISS

INDEXABLE HEADS

#### NQCH-Y-SVJCR-S-JHP

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



Designation	WF	HF	LH	OAL	OAW	Insert
NQCH12-Y-SVJCR-11S-JHP <sup>(1)</sup>	12.15	12.2	20.0	120.00	20.15	VC.. 1103
NQCH16-Y-SVJCR-11S-JHP <sup>(1)</sup>	16.15	16.2	20.0	120.00	20.15	VC.. 1103

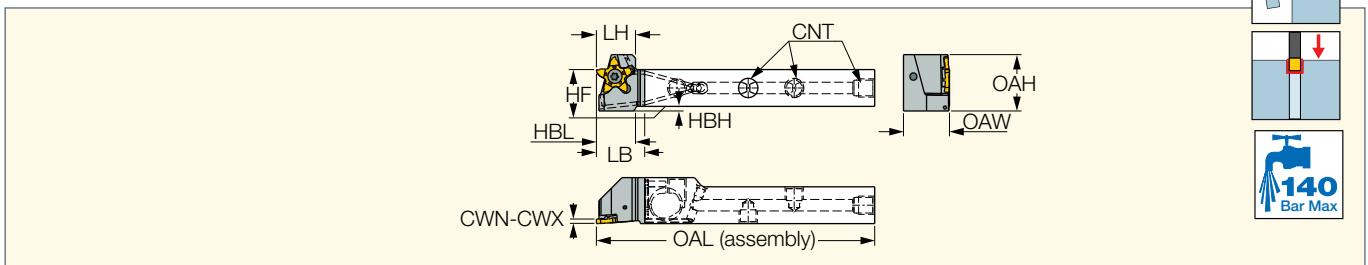
<sup>(1)</sup> Availability: 2<sup>nd</sup> quarter, 2022

#### Spare Parts

Designation	Screw	Key
NQCH-Y-SVJCR-S-JHP	SR 14-560	T-8/5

#### NQCH-PCHR/L-S-JHP

Screw Lock JETCUT Modular Heads Carrying PENTA Inserts  
for Grooving, Parting, and Recessing on Swiss-Type Machines



Designation	HF	OAW	LB	OAH	HBH	LH	OAL	HBL	CWN <sup>(1)</sup>	CWX <sup>(2)</sup>	Insert
NQCH12-PCHR/LS-17-JHP	12.0	20.00	21.00	24.40	6.0	17.0	121.00	17.0	0.25	3.18	PENTA 17
NQCH16-PCHR/LS-17-JHP	16.0	20.00	21.00	24.50	2.0	17.0	121.00	17.0	0.25	3.18	PENTA 17

<sup>(1)</sup> Minimum cutting width

<sup>(2)</sup> Maximum cutting width

#### Spare Parts

Designation	Screw	Key
NQCH12-PCHLS-17-JHP	SR M4-39432	T-1508/5
NQCH12-PCHRS-17-JHP	SR M4-39432L	T-1508/5
NQCH16-PCHLS-17-JHP	SR M4-39432	T-1508/5
NQCH16-PCHRS-17-JHP	SR M4-39432L	T-1508/5

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## New Product Announcement

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MARCH 2022

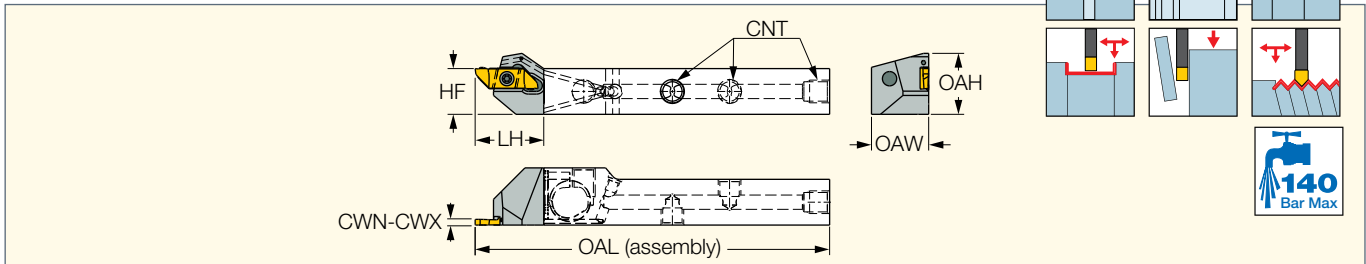
METRIC

### NEOSWISS

INDEXABLE HEADS

#### NQCH-SCHR/L-BF-JHP

Screw Lock JETCUT Modular Heads Carrying SWISSCUT Inserts for Grooving and Turning on Swiss-Type Machines

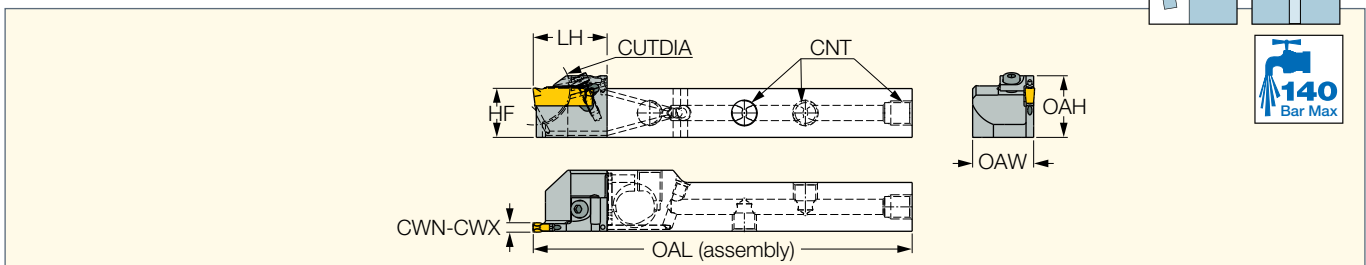




Designation	HF	OAW	LH	OAH	OAL	CWN <sup>(1)</sup>	CWX <sup>(2)</sup>	Insert		
NQCH12-SCHR/L-22BF-JHP	12.0	20.00	24.0	17.30	124.00	0.50	2.50	SCIR/L-22	SR M4X0.7-19425	T-8/5
NQCH16-SCHR/L-22BF-JHP	16.0	20.00	24.0	21.10	124.00	0.50	2.50	SCIR/L-22	SR M4X0.7-19425	T-8/5

<sup>(1)</sup> Minimum cutting width  
<sup>(2)</sup> Maximum cutting width

#### NQCH-DGTR/L-D-SH-JHP

Screw Lock JETCUT Modular Heads Carrying DO-GRIP Double-Edged Parting Inserts for Swiss-Type Machines



Designation	CWN <sup>(1)</sup>	CWX <sup>(2)</sup>	HF	OAW	OAH	LH	OAL	CUTDIA	Insert		
NQCH12-DGTL-2D24SH-JHP <sup>(3)</sup>	1.90	2.50	12.1	20.00	16.20	24.0	124.00	24.0	DGN 2	SR M3X10DIN912	HW 2.5
NQCH12-DGTR-2D24SH-JHP <sup>(3)</sup>	1.90	2.50	12.1	20.00	16.20	24.2	124.20	24.0	DGN 2	SR M3X10DIN912	HW 2.5
NQCH16-DGTL-2D24SH-JHP <sup>(3)</sup>	1.90	2.50	16.1	20.00	20.20	24.0	124.00	24.0	DGN 2	SR M3X10DIN912	HW 2.5
NQCH16-DGTR-2D24SH-JHP <sup>(3)</sup>	1.90	2.50	16.1	20.00	20.20	24.2	124.20	24.0	DGN 2	SR M3X10DIN912	HW 2.5

<sup>(1)</sup> Minimum cutting width  
<sup>(2)</sup> Maximum cutting width  
<sup>(3)</sup> Availability: 3<sup>rd</sup> quarter, 2022



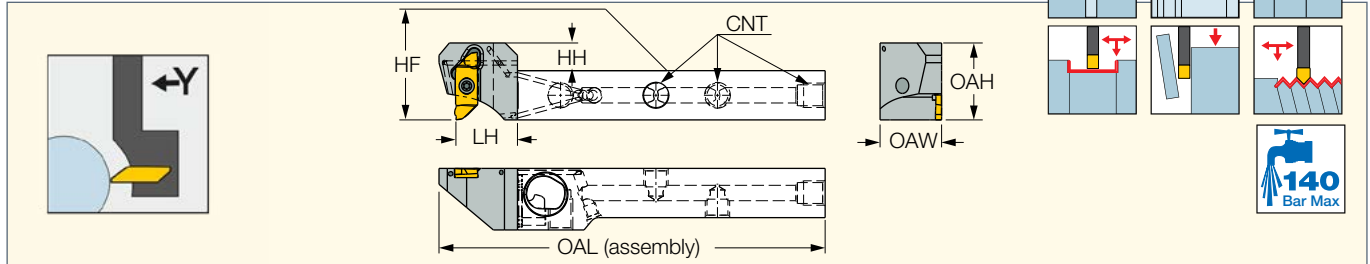
# NPA



New Product Announcement

## NEOSWISS INDEXABLE HEADS

### NQCH-Y-SCHR-BF-JHP

Screw Lock JETCUT Modular Heads Carrying SWISSCUT Inserts for Grooving and Turning in Y-Axis on Swiss-Type Machines

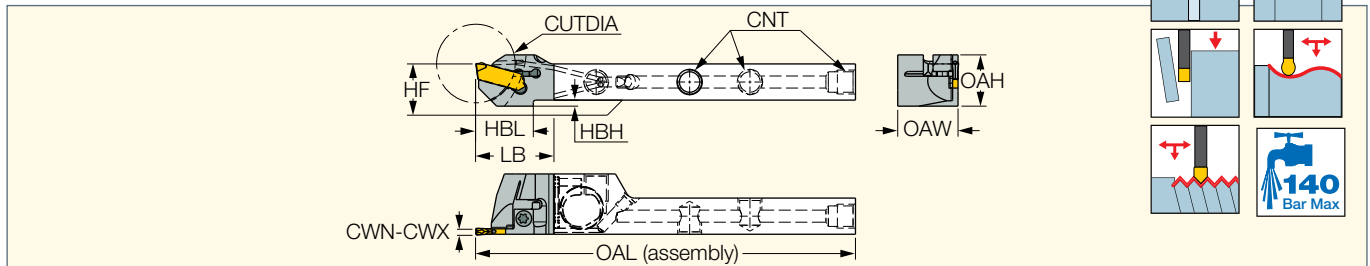


Designation	HF	OAH	LH	OAW	HH	OAL	CWN <sup>(1)</sup>	CWX <sup>(2)</sup>	Insert		
NQCH12-Y-SCHR-22BF-JHP	12.0	25.00	20.0	20.00	13.0	125.50	0.50	2.50	SCIR/L-22-N/R/L	SR M4X0.7-19425	T-8/5
NQCH16-Y-SCHR-22BF-JHP	16.0	25.00	20.0	20.00	9.0	125.50	0.50	2.50	SCIR/L-22-N/R/L	SR M4X0.7-19425	T-8/5

<sup>(1)</sup> Minimum cutting width  
<sup>(2)</sup> Maximum cutting width

### NQCH-GHSR/L-JHP



Screw Lock JETCUT Modular Heads Carrying CUTGRIP Inserts for Grooving and Turning on Swiss-Type Machines



Designation	HF	OAW	LB	OAH	HBH	OAL	HBL	CWN <sup>(1)</sup>	CWX <sup>(2)</sup>	CUTDIA	Insert
NQCH12-GHSR/L-2-JHP <sup>(3)</sup>	12.0	20.00	26.00	17.00	2.0	126.00	2.0	2.20	3.00	25.0	GIP 2
NQCH16-GHSR/L-2-JHP <sup>(3)</sup>	16.0	20.00	26.00	19.00	-	126.00	-	2.20	3.00	25.0	GIP 2

<sup>(1)</sup> Minimum cutting width  
<sup>(2)</sup> Maximum cutting width  
<sup>(3)</sup> Availability: 3<sup>rd</sup> quarter, 2022

#### Spare Parts

Designation	 Screw	 Key
NQCH-GHSR/L-JHP	SR 16-236 P	T-15/3

# NPA

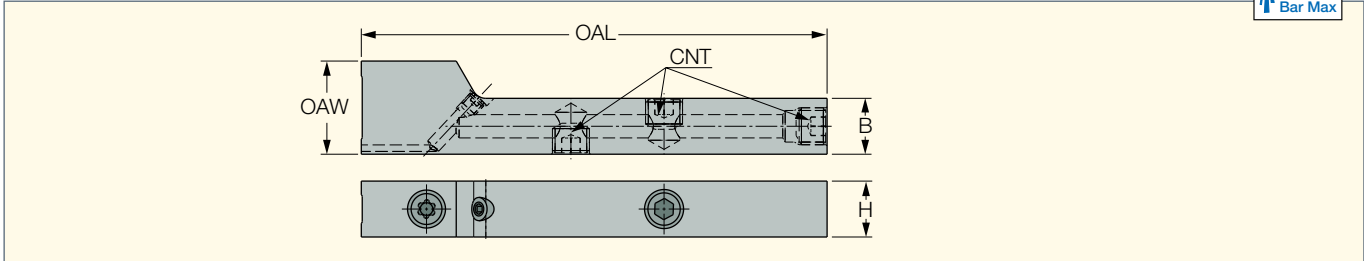
New Product Announcement

## NEOSWISS

INDEXABLE HEADS

### NQCH-JHP

JETCUT Square Shanks for NEOSWISS  
Modular Heads for Swiss-Type Machines

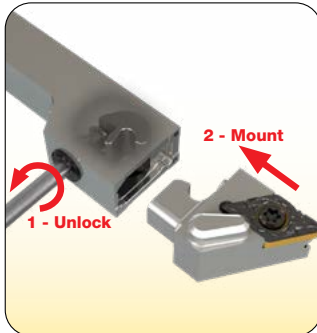


Designation	B	H	OAL	OAW	CNT
NQCH-1212-JHP	12.0	12.0	100.00	20.00	UNF 5/16-24
NQCH-1616-JHP	16.0	16.0	100.00	20.00	UNF 5/16-24

### Spare Parts

Designation	Plug	T-Handle	Torx Blade
NQCH-JHP	SR 5/16UNF TL360	SW6-T-SH	BLD IP20/S7

### Clamping Operation Steps



Recommended Torque 7-8 Nm



Supplied Accessories	Item No: 7003805 SW6-T-SH	
	Item No: 7002553 BLD IP20/S7	
Recommended (Optional) Accessories	Item No: 7007221 TSA 6 44.1-123.5 LBF.IN (TSA 6 5-14NM)	
	Item No: 7007027 BLD 6 T20IP	

**Attention: The clamping screw is not removable. To avoid undesired damage, do not apply excessive force when opening or clamping.**