

# NPN

New Product News



## Sleeve and Y-axis Type Holders for Swiss Type Machines

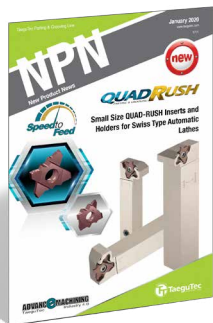


## KEY POINT

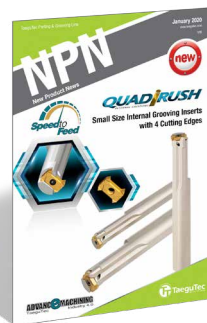
**TaeguTec introduces grooving and turning capable sleeve and Y-axis type holders for Swiss type machines.**

TaeguTec's TQJ/S QUAD-RUSH and TQIS QUAD-I-RUSH economical 4-corner grooving insert lines, known for their unique shapes and strong clamping force, now include sleeve and Y-axis type holders that provide excellent turning and grooving performance that is required by the small parts machining industry. Additionally, external threading capable sleeve holders have been added to ensure product diversity.

Detailed information about the TQJ/S and TQIS inserts is available through our previously published NPNs.



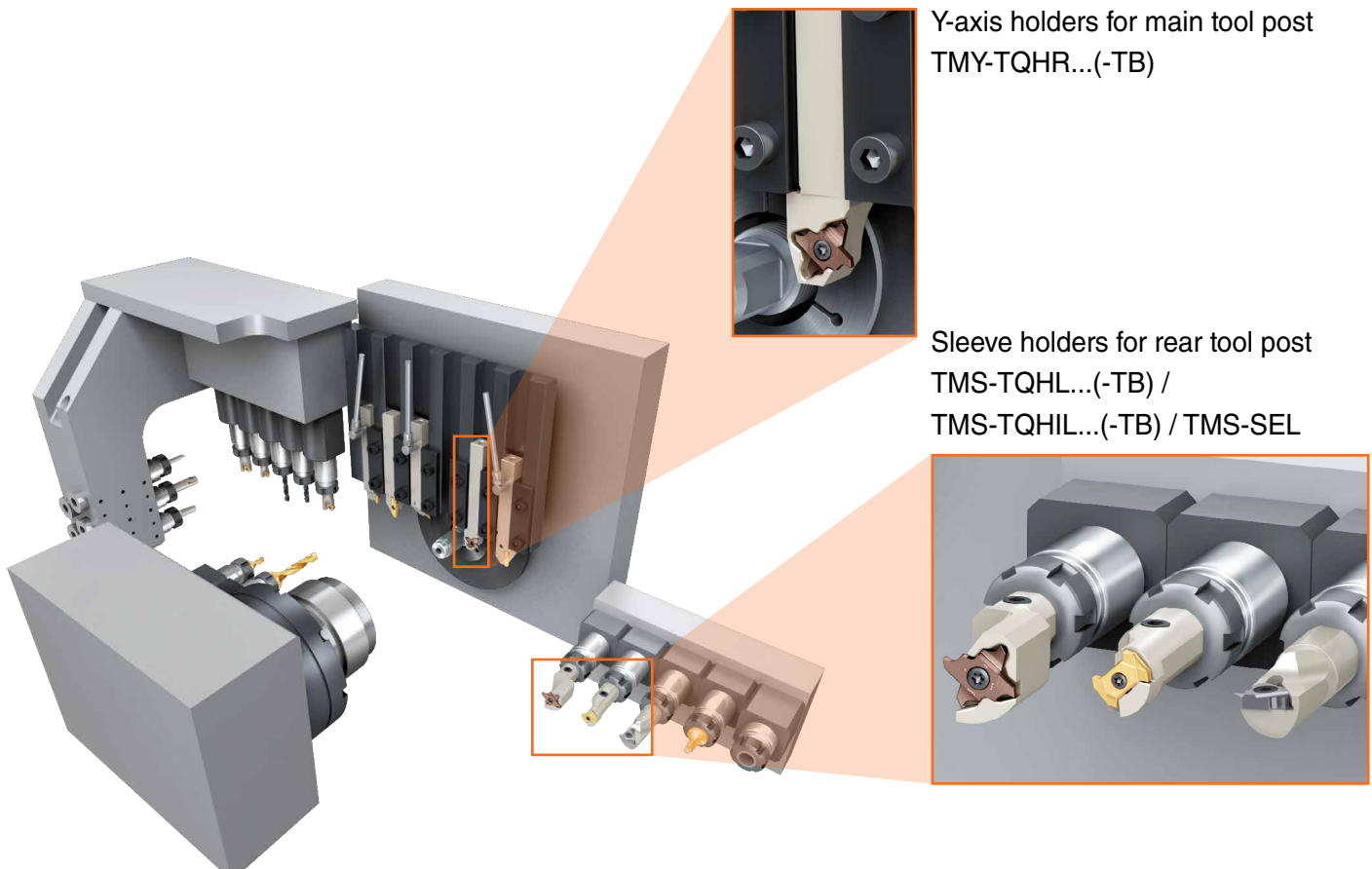
**QUAD-RUSH**  
PARTING & GROOVING



**QUAD-I-RUSH**  
INTERNAL GROOVING



Please contact the product manager for additional details.

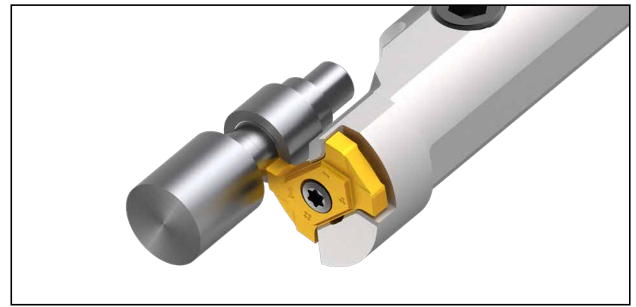


Y-axis holders for main tool post  
TMY-TQHR...(-TB)

Sleeve holders for rear tool post  
TMS-TQHL...(-TB) /  
TMS-TQHIL...(-TB) / TMS-SEL

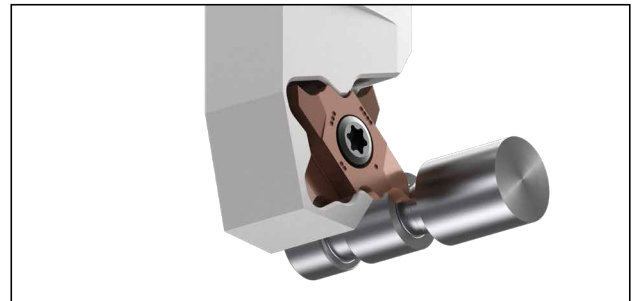
## Sleeve holder features

- Economical insert type holders:
  - Turning and grooving insert: TQJ/S 20 and TQIS 14
  - Threading insert: 16ER
- Mountable to the rear tool post for external machining
  - Main tool post shortage issue resolved
- Available in various holder sizes for compatibility with all Swiss type machines
- COOL-BURST design for good chip evacuation and improved tool life



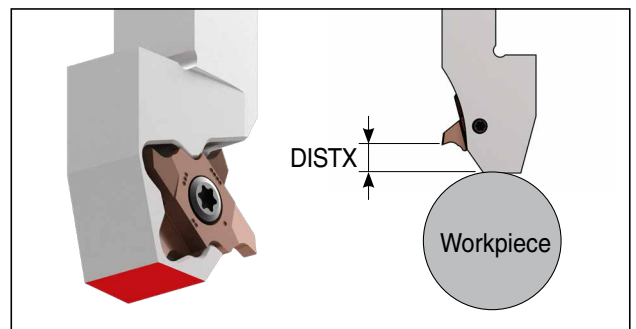
## Y-axis holder features

- Economical 4-corner inserts: TQJ/S 20
- Mountable to the main tool post for Y-axis machining
  - Maximized holder rigidity against cutting force
  - Better dimensional accuracy for reduced vibration
  - Smooth chip evacuation as swarf falls downwards during machining
- COOL-BURST design for improved tool life
- Excellent chip segmentation even in difficult-to-cut materials machining



## To set the cutting point of Y-axis type holders:

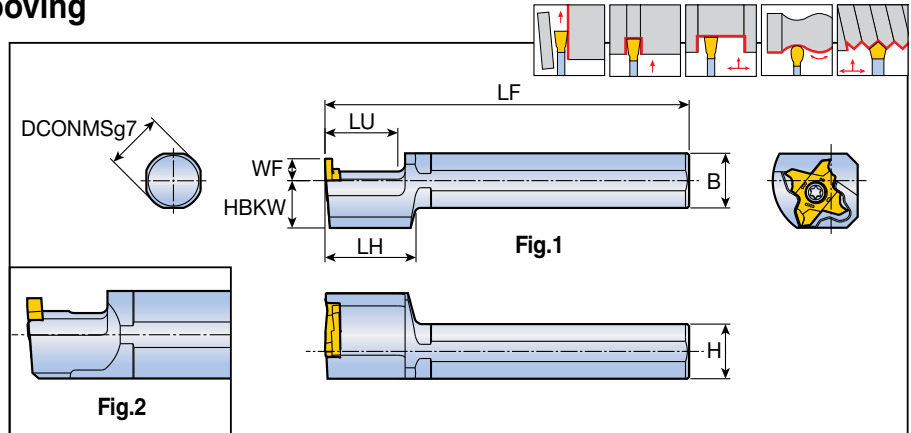
1. Apply the holder upper flat area to the workpiece.
2. Input the offset value measured between the flat and cutting point.  
TMY-TQHL(-TB) holder offset value (DISTX): 6.3 mm





## TMS-TQHL

Sleeve holders for external grooving

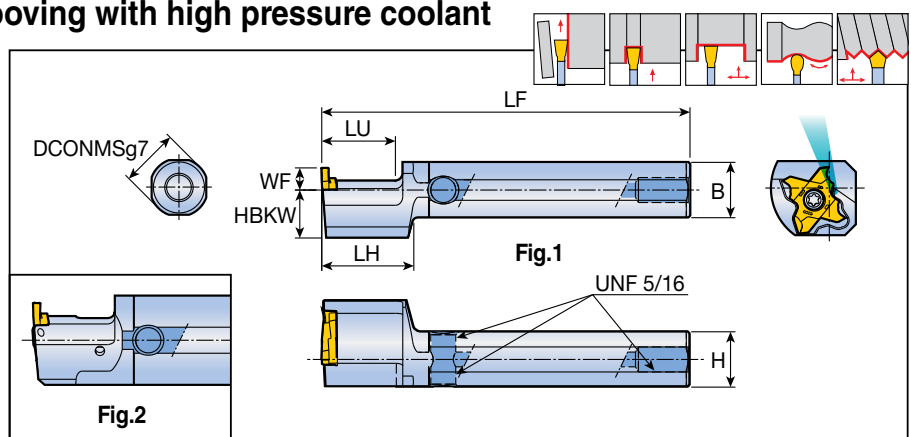


Designation	Dimension (mm)								Fig.	Insert
	DCONMS	H=B	LF	LU	LH	WF	HBKW			
<b>TMS-TQHL 16-20</b>	16	15	100	20	25	6	13	1	TQ...20-R	
<b>19.05-20</b>	19.05	18	100	20	25	6	13	1		
<b>20-20</b>	20	19	100	20	25	6	13	1		
<b>22-20</b>	22	21	100	20	25	6	13	1		
<b>25-20</b>	25	24	100	20	-	10	12	2		
<b>25.4-20</b>	25.4	24.4	100	20	-	10	12.2	2		

► TQ... 20-R insert for L-hand toolholder

## TMS-TQHL-TB

Sleeve holders for external grooving with high pressure coolant



Designation	Dimension (mm)								Fig.	Insert
	DCONMS	H=B	LF	LU	LH	WF	HBKW			
<b>TMS-TQHL 16-20-TB</b>	16	15	100	20	25	6	13	1	TQ...20-R	
<b>25-20-TB</b>	25	24	100	20	-	10	12	2		

► TQ... 20-R insert for L-hand toolholder

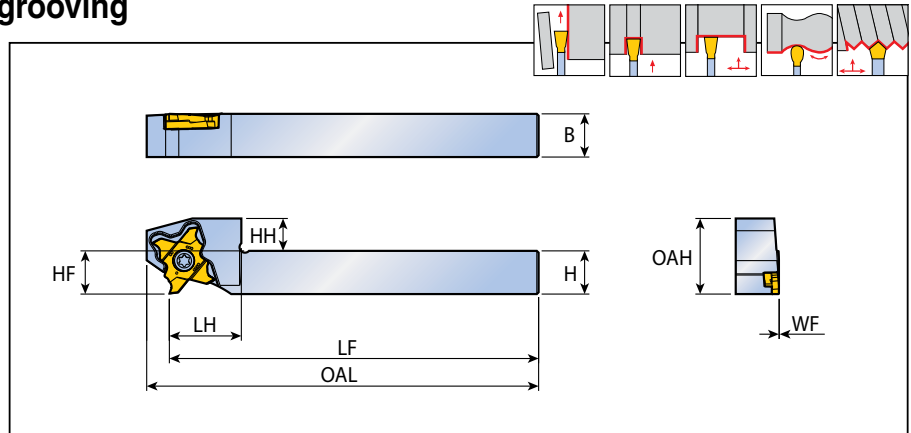
### Spare parts

Designation	Screw	Wrench		Plug
	<b>TMS-TQHL</b>	TS 40A100L	T-1508/5	-
<b>TMS-TQHL-TB</b>	TS 40A100L	T-1508/5	L-W 5/32	PLG 5/16 UNF

## TMY-TQHR



Y-axis holders for parting and grooving

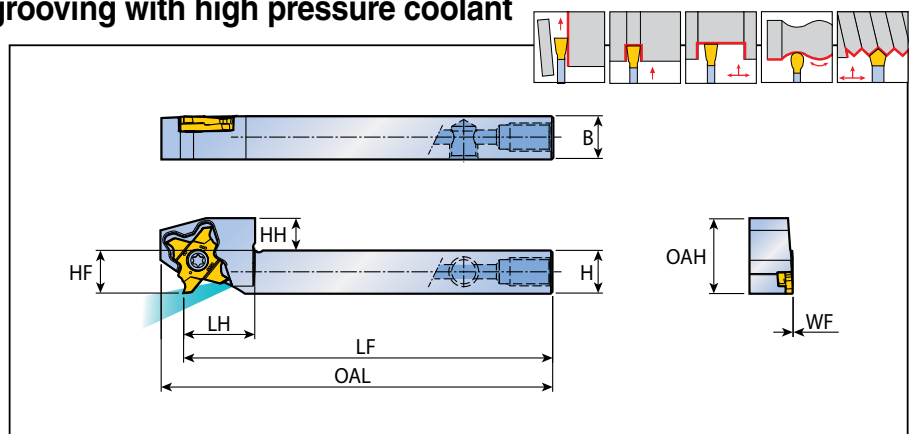


Designation	Dimension (mm)									Insert
	H	B	HH	LH	HF	WF	OAH	LF	OAL	
<b>TMY-TQHR 10-20</b>	10	10	11	20	10	0	21	125	131.3	TQ...20-R
<b>12-20</b>	12	12	9	20	12	0	21	125	131.3	
<b>16-20</b>	16	16	5	20	16	0	21	125	131.3	

## TMY-TQHR-TB



Y-axis holders for parting and grooving with high pressure coolant



Designation	Dimension (mm)									Insert
	H	B	HH	LH	HF	WF	OAH	LF	OAL	
<b>TMY-TQHR 12-20-TB</b>	12	12	9	20	12	0	21	125	131.3	TQ...20-R
<b>16-20-TB</b>	16	16	5	20	16	0	21	125	131.3	

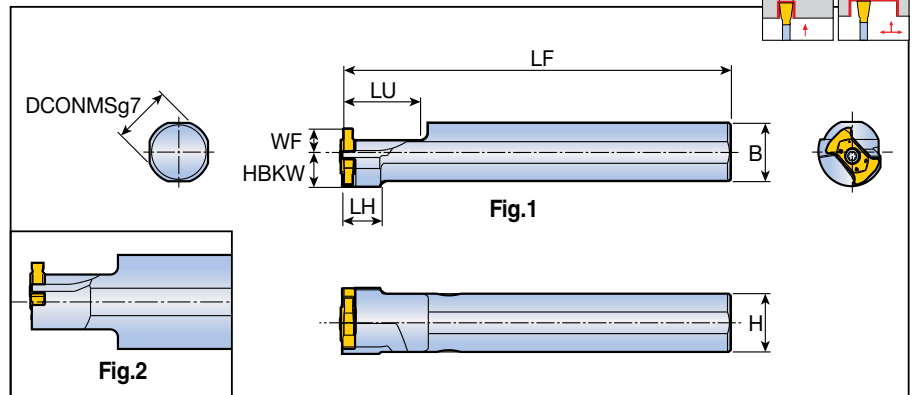
### Spare parts

Designation	Screw	Wrench		Plug
	<b>TMY TQHR</b>	TS 40A100L	T-1508/5	-
<b>TMY TQHR-TB</b>	TS 40A100L	T-1508/5	L-W 5/32	PLG 5/16 UNF



## TMS-TQHIL

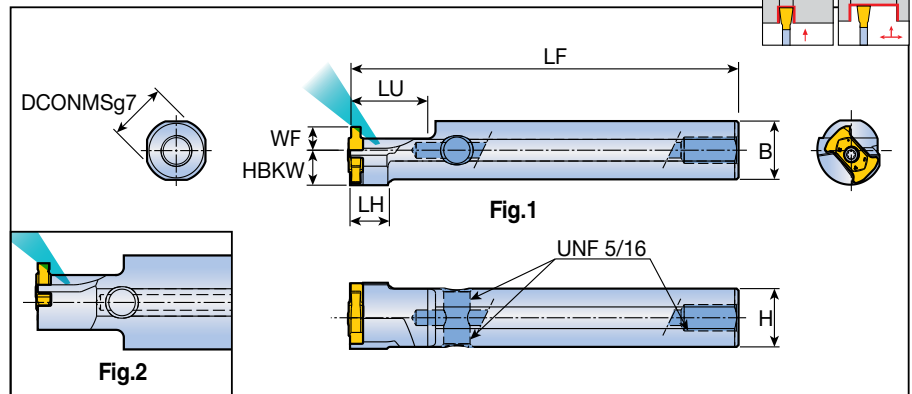
Sleeve holders for external grooving



Designation	Dimension (mm)							Fig.	Insert
	DCONMS	H=B	LF	LU	LH	WF	HBKW		
<b>TMS-TQHIL 16-14</b>	16	15	100	20	10	6	9	1	TQIS 14
<b>19.05-14</b>	19.05	18	100	20	-	6	9	1	
<b>20-14</b>	20	19	100	20	20	6	9	2	
<b>22-14</b>	22	21	100	20	22	10	7	2	
<b>25-14</b>	25	24	100	20	22	10	7	2	
<b>25.4-14</b>	25.4	24.4	100	20	22	10	7	2	

## TMS-TQHIL-TB

Sleeve holders for external grooving with high pressure coolant



Designation	Dimension (mm)							Fig.	Insert
	DCONMS	H=B	LF	LU	LH	WF	HBKW		
<b>TMS-TQHIL 16-14-TB</b>	16	15	100	20	10	6	9	1	TQIS 14
<b>25-14-TB</b>	25	24	100	20	22	10	5	2	

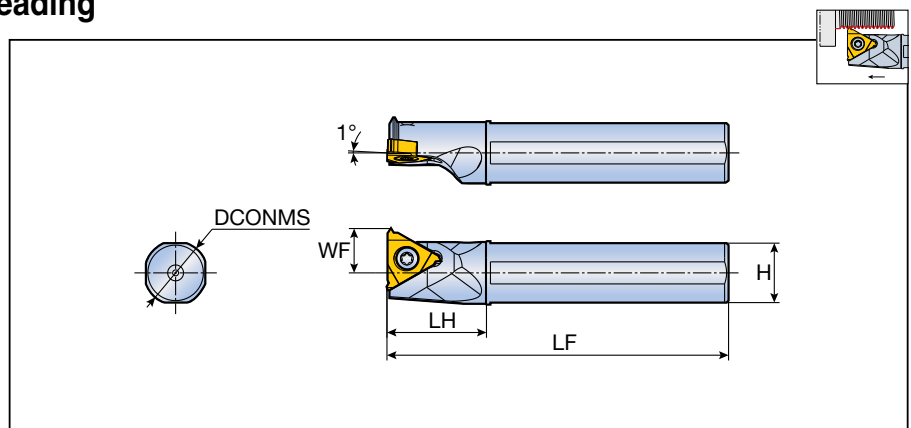
### Spare parts

Designation	Screw	Wrench		Plug
	<b>TMS-TQHIL</b>	TS 25075I/HG	T 8	-
<b>TMS-TQHIL-TB</b>	TS 25075I/HG	T 8	L-W 5/32	PLG 5/16 UNF

## TMS-SEL



### Sleeve holders for external threading



Designation	Dimension (mm)					Insert
	DCONMS	H	LF	LH	WF	
<b>TMS- 16F SEL 16</b>	16	15	85	25	11	16 ER...
<b>19G SEL 16</b>	19.05	18	90	30	12.5	
<b>19X SEL 16</b>	19.05	18	120	30	12.5	
<b>20G SEL 16</b>	20	19	90	30	13	
<b>20X SEL 16</b>	20	19	120	30	13	
<b>25H SEL 16</b>	25	24	100	30	15.5	
<b>254X SEL 16</b>	25.4	24	120	30	15.7	

► Use left hand toolholders (L) with right hand insert (ER)

### Spare parts

Designation	Screw	Wrench		
	<b>TMS-SEL</b>	S16	T-10/5	