

N-Swiss CAP

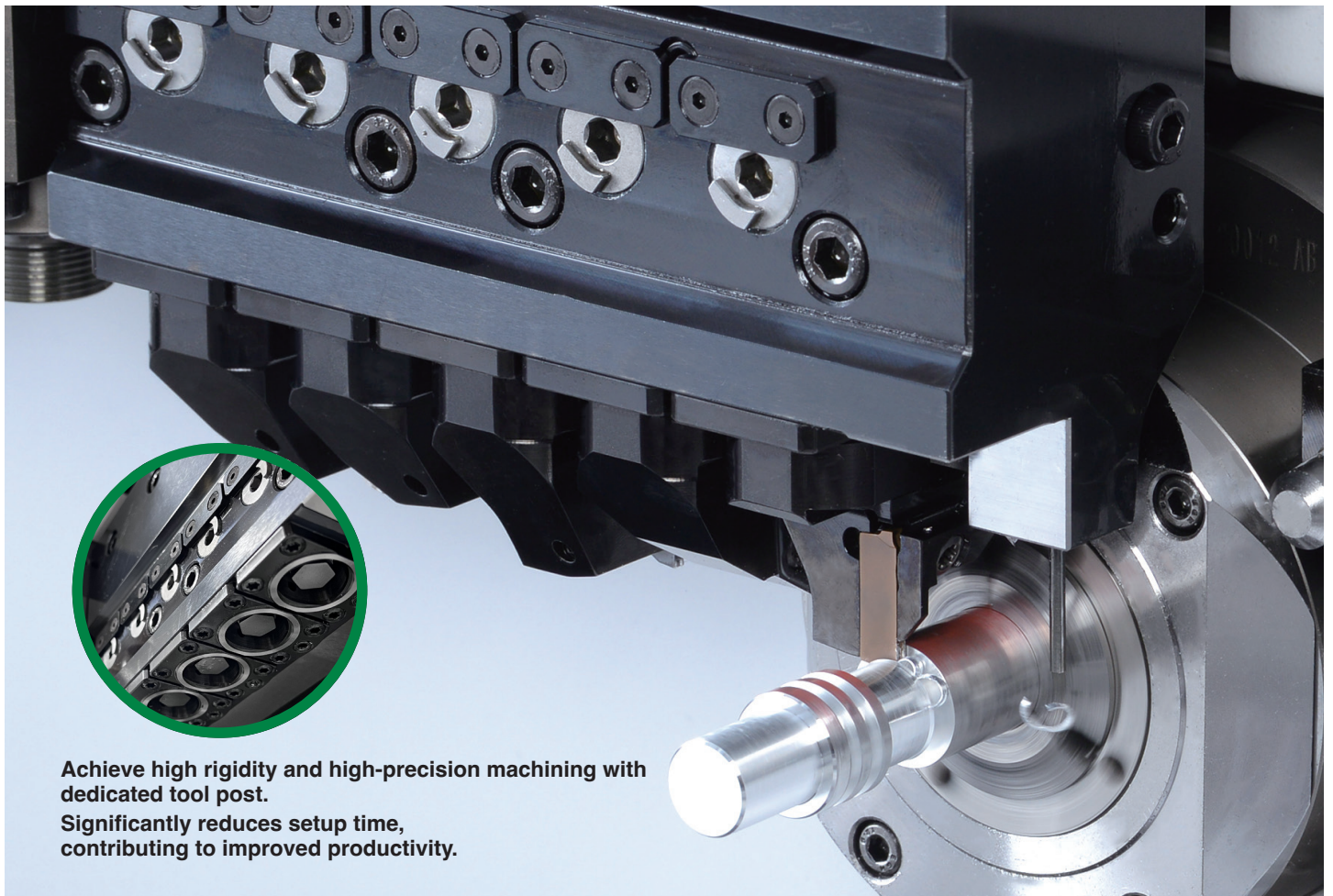
Polygon Taper Type | Quick-change tool series for automatic lathes



Exceptionally strong rigidity

Introducing the NEW quick-change tool to maximize time efficiency

CERtainly (but not only) ***CERamics***
Outstanding solutions for demanding applications



Achieve high rigidity and high-precision machining with dedicated tool post.
Significantly reduces setup time, contributing to improved productivity.

Application

Front turning / Back turning / Grooving / Threading / Parting



CI Tooling System

AQ²size Dedicated tool post



CITIZEN

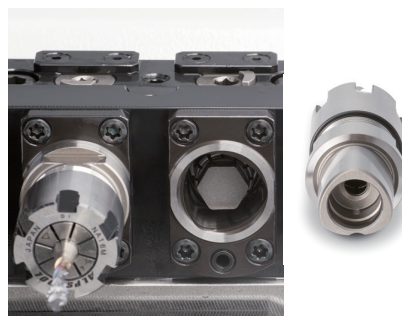
ALPS TOOL

Time Reduction



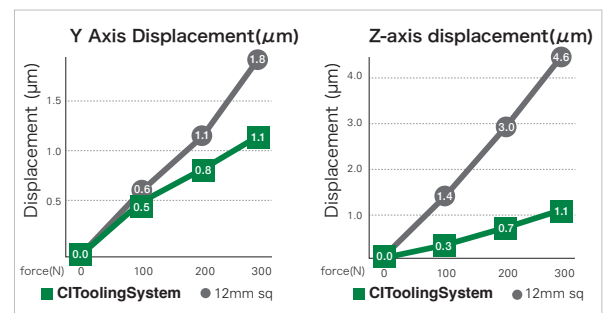
The unique coupling structure allows for quick tool changes with just a half-turn of the wrench. Reduces setup time by approx. 80%, ensuring reliable tool changes.

Repeatability



The dual-contact clamp unit with polygon taper shank provides strong clamping force and ensure $\pm 2\mu\text{m}$ repeatability.

High Rigidity

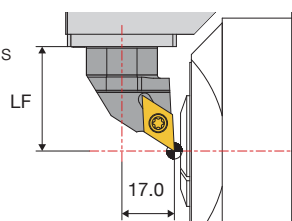


Ensures high rigidity with a size equivalent to a 12mm square shank toolholder. Contributes to chatter suppression under high load, Tool life extension, and stable workpiece quality.

Lineup

Application	Figure No.	Item Number	Internal coolant	LF	WF	HF2	Insert
				mm	mm	mm	
Front turning	1	NQ23-SDJCR11-OH		33.0	17.0	5.0	DC..11T3..
	2	NQ23-SCLCR09-OH		33.0	17.0	5.0	CC..09T3..
	3	NQ23-SVJCR11-OH		33.0	17.0	5.0	VC..1103..
	4	NQ23-SDJCR11-F100H		33.0	7.0	5.0	DC..11T3..
	5	NQ23-PTXNR16-OH		33.0	17.0	5.0	TN..1604..
	6	NQ23-TFTR16-OH		33.0	17.0	5.0	TF33../TFX33..
Back turning	7	NQ23-TBPR-OH		33.0	13.5	5.0	TBP..
	8	NQ23-TBPAR-OH		38.0	13.5	5.0	TBPA..
Grooving	9	NQ23-GTTR00-OH		33.0	17.0	5.0	GT..32../TB..32..
	10	NQ23-GTWPR-3D09		33.0	17.0	5.0	GWP..300..
	10	NQ23-GTWPR-4E09		33.0	17.0	5.0	GWP..400..
	10	NQ23-GTWPR-5F09		33.0	17.0	5.0	GWP..500..
	11	NQ23-GTWPR-6G09		43.0	17.0	5.0	GWP..600..

Machine installation dimensions

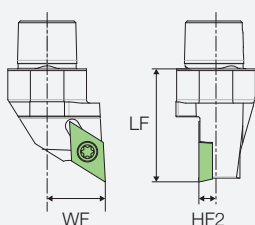


The origin of the program is positioned 17.0mm from the tool center.

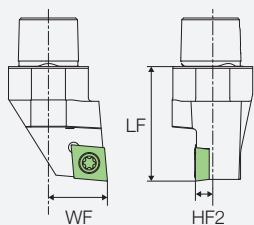
For the calculation formula of the cutting edge shift amount, please refer to the following.

$$17.0 - \text{WF dimension} = \text{Cutting edge shift amount}$$

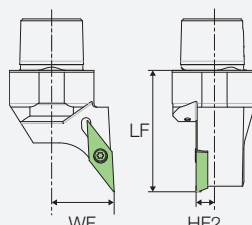
No.1 : NQ23-SDJCR11-OH



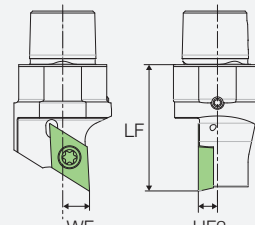
No.2 : NQ23-SCLCR09-OH



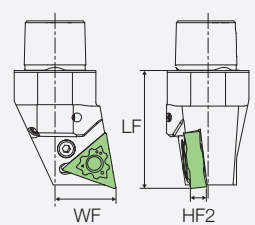
No.3 : NQ23-SVJCR11-OH



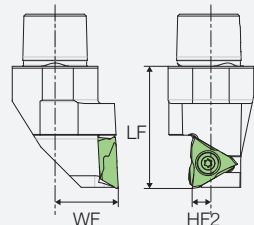
No.4 : NQ23-SDJCR11-F100H



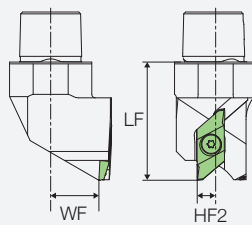
No.5 : NQ23-PTXNR16-OH



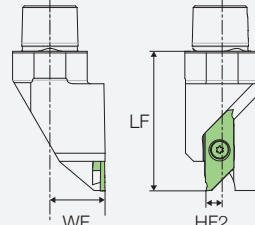
No.6 : NQ23-TFTR16-OH



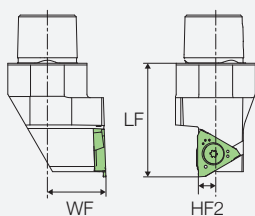
No.7 : NQ23-TBPR-OH



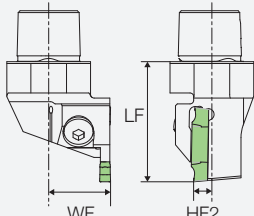
No.8 : NQ23-TBPAR-OH



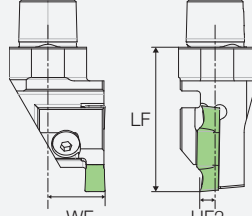
No.9 : NQ23-GTTR00-OH



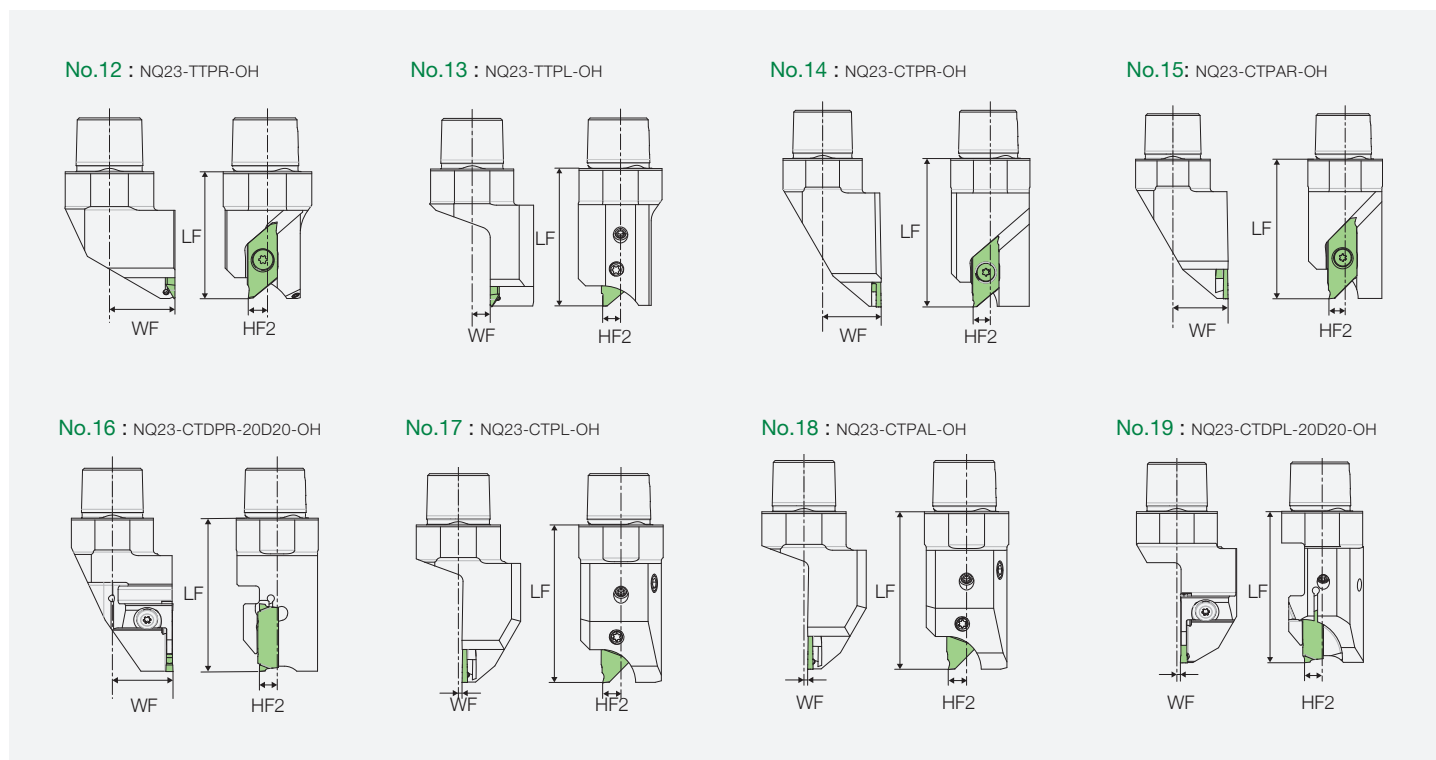
No.10 : NQ23-GTWPR-3D09
: NQ23-GTWPR-4E09
: NQ23-GTWPR-5F09



No.11 : NQ23-GTWPR-6G09



Application	Figure No.	Item Number	Internal coolant	LF	WF	HF2	Insert
				mm	mm	mm	
Threading	12	NQ23-TTPR-OH		33.0	17.0	5.0	TTP..R..
	13	NQ23-TTPL-OH		38.0	5.0	5.0	TTP..L..
Parting	14	NQ23-CTPR-OH		43.0	17.0	5.0	CTP..R..
	15	NQ23-CTPAR-OH		43.0	17.0	5.0	CTPA..R..
	16	NQ23-CTDPR-20D20-OH		43.0	17.0	5.0	CTDP20..
	17	NQ23-CTPL-OH		43.0	1.0	5.0	CTP..L..
	18	NQ23-CTPAL-OH		43.0	1.0	5.0	CTPA..L..
	19	NQ23-CTDPL-20D20-OH		43.0	1.0	5.0	CTDP20..



Recommended cutting condition

It can be used under the same cutting conditions as a regular toolholder.



NTK CUTTING TOOLS JAPAN

2808 Iwazaki, Komaki, Aichi 485-8510, Japan



www.ntkcuttingtools.com/global/contact/

