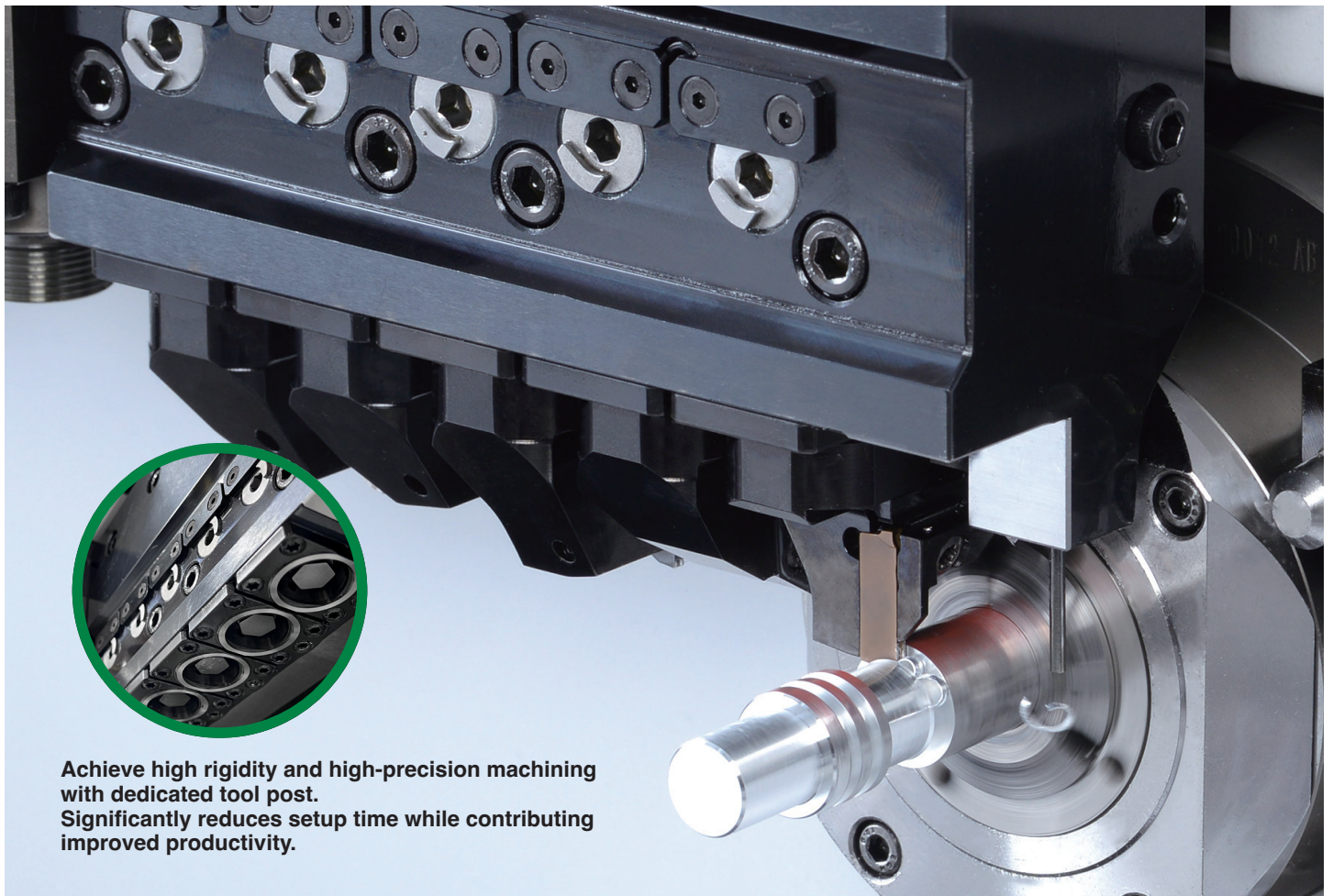


N-Swiss CAP

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



Introducing the NEW quick-change tool series to maximize time efficiency with exceptional strong rigidity.



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

Application

Front turning / Back turning / Grooving / Threading / Parting



CI Tooling System

AQ²size Dedicated tool post



CITIZEN

ALPS TOOL

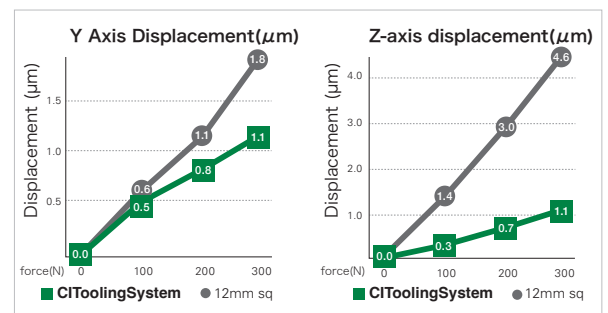
Time Reduction



Repeatability



High Rigidity



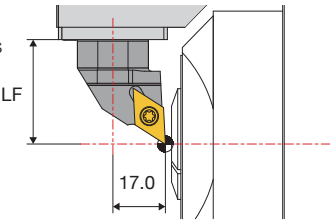
The unique coupling structure with dual-contact clamp unit allows quick tool changes with just a half-turn of the wrench while reducing the setup time by approx. 80%. In addition, Accuracy of $\pm 2\mu\text{m}$ is ensured.

- Ensures high rigidity.
- Contributes to chatter suppression under high load.
- Prolonged tool life.
- Stable workpiece quality.

Lineup

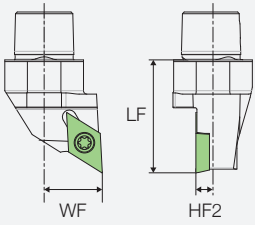
Application	Figure No.	Item Number	Internal coolant	LF	WF	HF2	Insert
				mm	mm	mm	
Front turning	1	NQ23-SDJCR11-OH		33.0	17.0	5.0	DC..11T3..
	2	NQ23-SCLCR09-OH		33.0	17.0	5.0	CC..09T3..
	3	NQ23-SVJCR11-OH		33.0	17.0	5.0	VC..1103..
	4	NQ23-SDJCR11-F100H		33.0	7.0	5.0	DC..11T3..
	5	NQ23-PTXNR16-OH		33.0	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

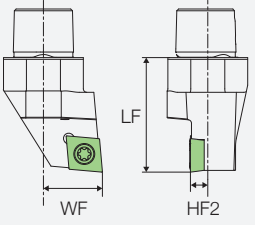


The origin of the program is positioned 17.0mm from the tool's center.
For the calculation formula of the cutting-edge shift value, please refer to the following:
17.0 – WF dimension = Cutting edge shift.

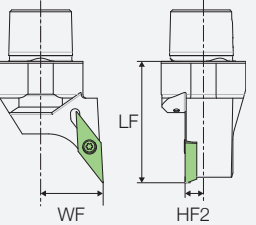
No.1 : NQ23-SDJCR11-OH



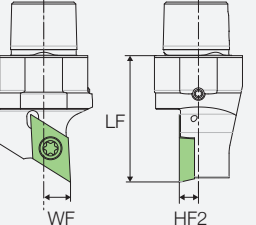
No.2 : NQ23-SCLCR09-OH



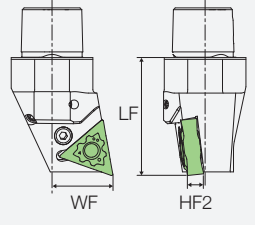
No.3 : NQ23-SVJCR11-OH



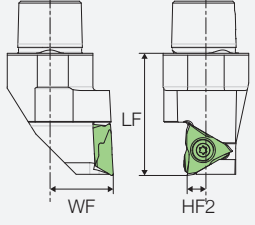
No.4 : NQ23-SDJCR11-F100H



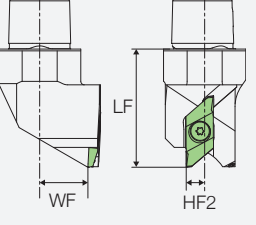
No.5 : NQ23-PTXNR16-OH



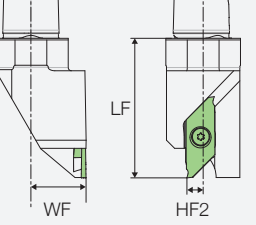
No.6 : NQ23-TFTR16-OH



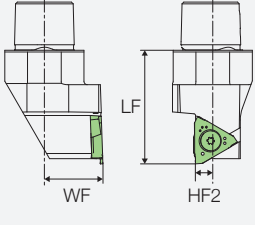
No.7 : NQ23-TBPR-OH



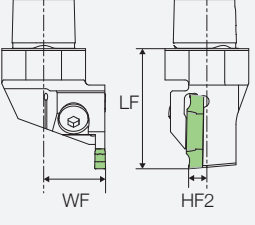
No.8 : NQ23-TBPAR-OH



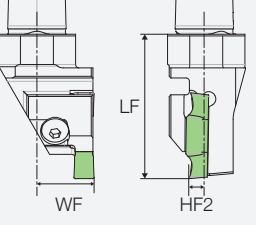
No.9 : NQ23-GTTR00-OH



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

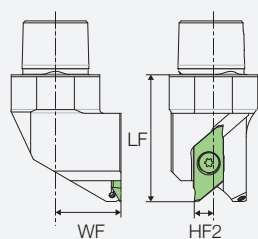


No.11 : NQ23-GTWPR-6G09

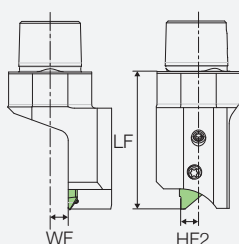


Application	Figure No.	Item Number	Internal coolant	LF	WF	HF2	Insert
				mm	mm	mm	
Threading	12	NQ23-TTPR-OH		33.0	17.0	5.0	TTP..R..
	13	NQ23-TTPL-OH		38.0	5.0	5.0	TTP..L..
Parting	14	NQ23-CTPR-OH		43.0	17.0	5.0	CTP..R..
	15	NQ23-CTPAR-OH		43.0	17.0	5.0	CTPA..R..
	16	NQ23-CTDPR-20D20-OH		43.0	17.0	5.0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

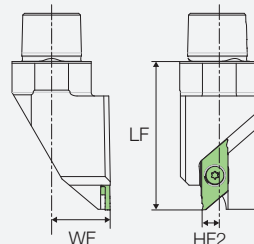
No.12 : NQ23-TTPR-OH



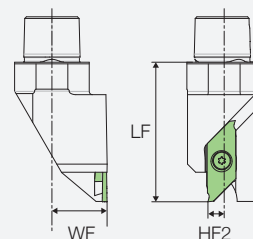
No.13 : NQ23-TTPL-OH



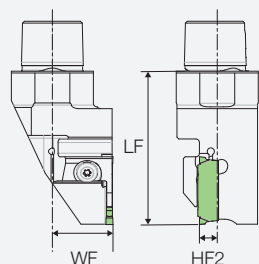
No.14 : NQ23-CTPR-OH



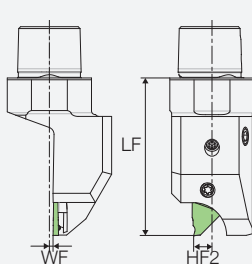
No.15: NQ23-CTPAR-OH



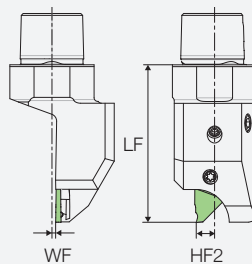
No.16 : NQ23-CTDPR-20D20-OH



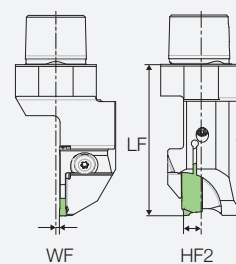
No.17 : NQ23-CTPL-OH



No.18 : NQ23-CTPAL-OH



No.19 : NQ23-CTDPL-20D20-OH



Recommended cutting condition

Same cutting conditions as a regular toolholder



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