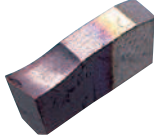
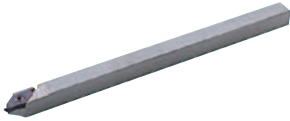
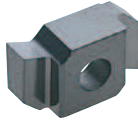


EXTERNAL CUTTING

	Name of Tool Holder	Insert Shape	Features	Groove Width According to Cutting Mode (mm)						Page
				Shallow Grooving	Deep Grooving	Cutting Off	Copying	Recessing	Face Grooving	
SMALL TOOLS	CTEH 		- For gang type tool posts. - Small Shank : 16mm - High cutting edge sharpness and excellent chip discharge. - Maximum cut off diameter : 23—35mm	3.0	3.0	3.0				D023
	CSVH 		- For cam type tool posts. - Small Shank : 7—12mm - Single holder for front turning, back turning, grooving, threading and cutting off operations. - The most suitable for machining of small parts with diameter 5mm or smaller. - Maximum groove depth : 0.3—2.5mm - Maximum cut off diameter : 3—5mm	0.25 1.5		0.6 1.5				D027

INTERNAL CUTTING

Name of Tool Holder	Insert Shape	Features	Min. Cutting Diameter (mm)	Groove Width (mm)	Max. Groove Depth (mm)	Page
GY 		- Clamp-on type. - The modular blade allows for high rigidity and accuracy. (Triforce System) - Various insert types.	25	2 6.35	4 13	F112
FSL5 		- Screw-on type. - Precision class insert. - Holder is capable of performing both grooving and threading. - Maximum groove depth 3mm.	10	1.2 4.0	1.0 3.0	F136
MICRO-MINI TWIN Boring Bars 	—	- Solid carbide type. - Economical due to single holder with two cutting edges.	3.0	1.0 2.0	1.0 2.0	F131
MICRO-MINI Boring Bars 	—	- Solid carbide type. - Insert can be ground to suit the application.	3.2	2.0 3.0	1.0 2.0	F135