Troubleshooting (Chamfering series)

	Details of the trouble	e Cause	Pulled out of holder. Unable to attach fast to spindle or holder in case of MT shank.
	1 Poor cutting Scratches on machining surface (poor surface roughness, peeling, burr, chatter, etc.)	Inappropriate machining conditions ·Large or small rotation number	① Revision of machining conditions •Revision of rotation number
		·Low work holding rigidity	•Fix the work tight
		② Abrasion or deposition of holder cutting edge	② Ask NT for regrinding
		 ③ Wrong chamfering tool selection Chamfering: soft materials such as aluminum, mild steel NEW chamfering: general steel, cast iron Chip selection does not match material No.504: general steel, cast iron No.510: soft materials such as aluminum, mild steel 	③ Reselection of chamfering tool (Reference: hardness more than HB 200 ⋯general steel hardness less than HB 200 ⋯mild steel)
		 ④ Gap between chip and chip seat Gap due to dust seizing Gap due to chip mounting trouble 	 (4) Retightening chip mounting bolts Cleaning of chip and chip seat Tighten screws after mounting chip on seat
		5 Inappropriate machining diameter	5 Selection of chamfering tool appropriate to machining diameter
	2 Short life	Inappropriate machining conditions Large or small rotation number	① Revision of machining conditions •Revision of rotation number
		 ② Wrong chamfering tool selection Chamfering: soft materials such as aluminum, mild steel. NEW chamfering: general steel, cast iron Chip selection does not match material No.504: general steel, cast iron No.510: soft materials such as aluminum, mild steel. 	 Reselection of chamfering tool (Reference: hardness more than HB 200 ··· general steel. hardness less than HB 200 ··· mild steel) Use a gold chamfering drill.
ľ	3 Chip cannot be mounted	① Designated chip is not used.	① Use designated chip.
		② Designated chip mounting bolts are not used.	② Use designated mounting bolts.