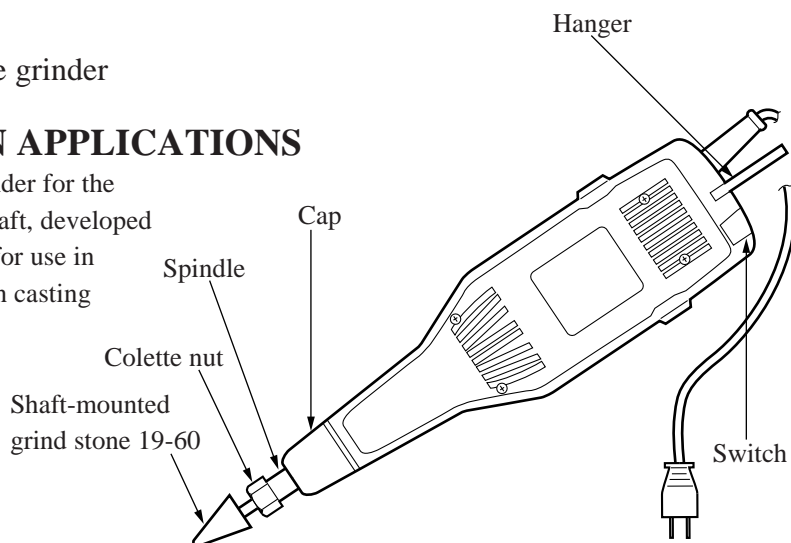


**Models No.** ▶ 906

**Description** ▶ The 6 mm Die grinder

## CONCEPTION AND MAIN APPLICATIONS

This machine is the powerful type grinder for the grinding stone equipped with 6 mm shaft, developed as the sister version of the model 903 for use in grinding various dies, removing burr in casting and grinding at narrow space.



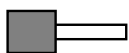
### ▶ Specifications

[Appearance layout of model 906]

Voltage	Current	Frequency	Consumed power
Single-phase 100V	2.5 A	50-60 Hz	240 W

No load speed	25,000 R.P.M./min
Size	283 mm x 65 mm(Overall length x Outer diameter)
Functional size	Colette dia. 6 mm
Weight	0.9 kg
Cord length	2.5 m

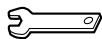
### ▶ Standard equipment



Wheel point 19-60(plane type)



Wheel point 19-60(corn type)



Spanner 10



Spanner 17



Dressing

### ▶ Optional accessories

\*No special accessories(Since the grind stone and rotary cutter are commercially available)

### ▶ Features and benefits

- (1) The light weight like 0.9 kg and the shape for easy-to-grip provide the high working efficiency.
- (2) The steel cover mounted on the edge for protecting from damage and the fine edge construction enable the application in the narrow space.
- (3) The double insulation structure allows the safe working against an electrical shock.
- (4) The hanger is attached for easy storing.

The standard equipment for the tools shown may differ form country to country

## ► Capacity

Normal load current : When the plane and corn type shaft-mounted grind stones 19-60(19:Outer dia., 60:particle size) are used, 2-2.2 A of the load current in grinding the baked steel is within the rated value. The rotary cutter 13(mainly used for finishing the aluminum, copper and casting products using the tool of edge cutter with outer dia.13 mm) can also generate the same capacity.

[Reference] The shaft-mounted grind stone(normally attached) - The grinding test of baked products of SK4 shows little grinding abrasion and good grinding effect. The clogging has been made in the grind stone in grinding the normal steel material.--- The grind stone should be replaced for grinding the normal steel material.(See the article 8.)

## ► Repair

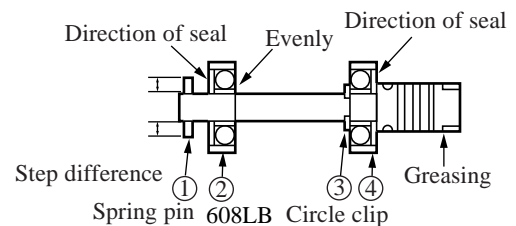
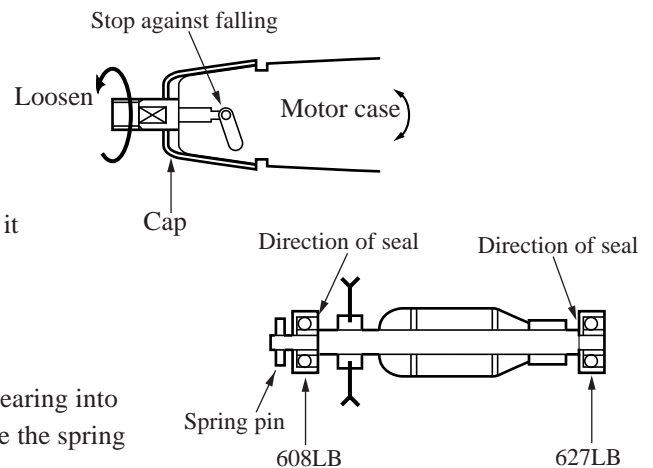
Disassemble in the following orders.

- (i) If disassembled in order of Hanger =>Colette nut =>Pan head screw(4 pieces)=>Cap(Since parts for protecting dropping is attached, unless the pan head screw is loosened, it cannot be disconnected.), the motor case is separated into two sections, each structure parts (armature, spindle, carbon brush) can be disconnected.

- (ii) Spindle(armature)

Disassemble in the order shown on the figure. Insert the 2.bearing into up to the position of the step difference of spindle and strike the spring pin in a way that the both ends protruded will be even.

- (iii) For assembling , proceed in the reverse orders against disassembling.  
(Use care that the lead wire is not locked together.)



## ► Selection of shaft-mounted grind stone

- (i) Use wheel point capable of enduring against the circumference speed of 25,000 R.P.M/min. for this machine.  
The normal commercially available wheel point is 19 mm or less in the outer diameter.
- (ii) Never use the shaft-mounted wheel point for the drill since it does not have enough strength.
- (iii) Select the best particle size and shape for the wheel point depending on the applications.

Particle size of grindstone	Color of grindstone	Property of particle size of wheel point	Applications	Applicable wheel point
A	Ultramarine blue or brown	High in toughness and a little low in hardness	Rough grinding of Soft steel and Carbon steel etc.	According to JIS A46PV
WA	White or orange color	Slightly low in toughness and a little high in hardness (a little hard)	Grinding of baked steel and special steel	WA60NVor WA60PV
C	Black	Harder and lower in toughness than A, WA grind stone	Grinding of casting products, non-metal and stone material	-

Shapes(examples of representatives)

