

# T ECHNICAL INFORMATION



New Tool

**Models No.** ▶ 9523NB

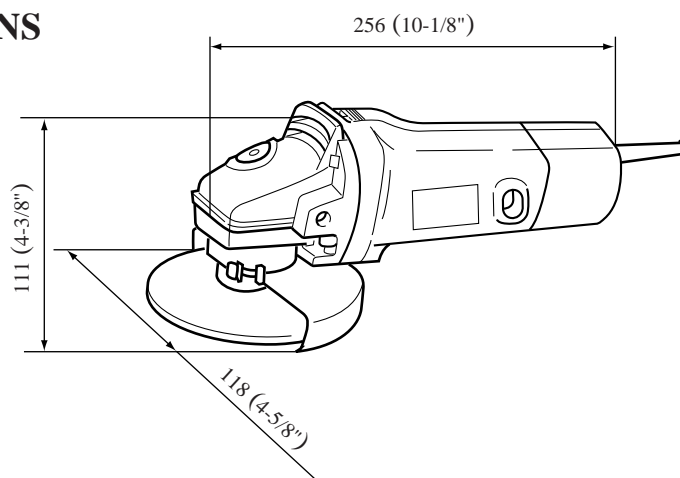
**Description** ▶ 100 mm Angle Grinder

## CONCEPTION AND MAIN APPLICATIONS

Model 9523NB is the angle grinder designed for professional users and its brief benefits are;

- \*Slimmer body loaded with more durable new motor (type S55)
- \*Labyrinth structure seals out dust from ball bearings
- \*Comfortable slide switch

This model is manufactured in MCC.



### ► Specifications

Voltage (V)	Current (A)	Cycle (Hz)	Continuous Rating (W)		Max. Output(W)
			Input	Output	
100	5.7	50/60	540	300	630
115	5.0	50/60	540	300	630
200	2.9	50/60	540	300	630
220	2.6	50/60	540	300	630
230	2.5	50/60	540	300	630
240	2.4	50/60	540	300	630

<b>Max. capacity : Depressed center wheel</b>	100 (4") x 16 (1/4") x 6 (1/4")
<b>No Load Speed</b>	11000 R/min.
<b>Net Weight</b>	1.4kg (3.1 l bs)

### ► Standard equipment

- Lock nut wrench 20
- Depressed center wheel 100-36

### ► Optional accessories

- Depressed center wheel 100-24   Rubber Pad 76   Lock nut 10-30
- Abrasive discs 100-24, 30, 50, 80,100, 120   Cut-off wheel 100
- Wire cup brush 75
- Wire bevel brush 85
- Grip 36

### ► Features and benefits

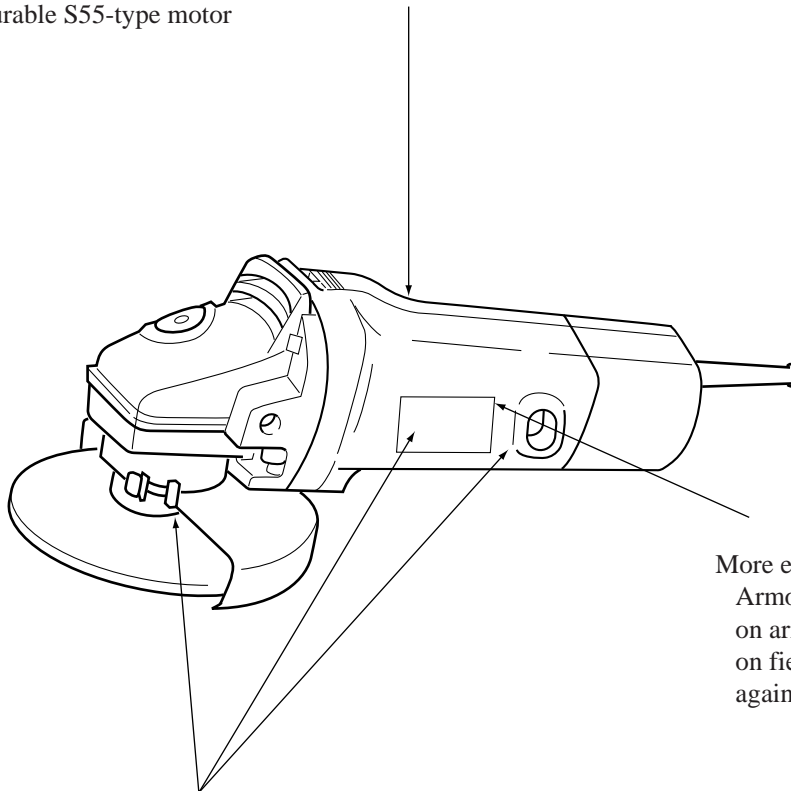
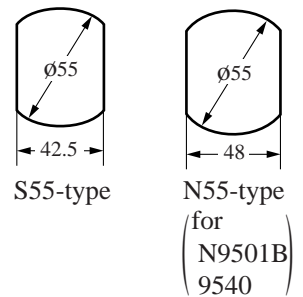
- 1.Double insulated
- 2.See the attached sheets for more information.

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

Extremely quiet (to see the following comparison of no load noise)  
 Makita 9523NB:83dB  
 Hitachi G10SF :88dB (total noise of three 9523MB's = noise of one G10SF)

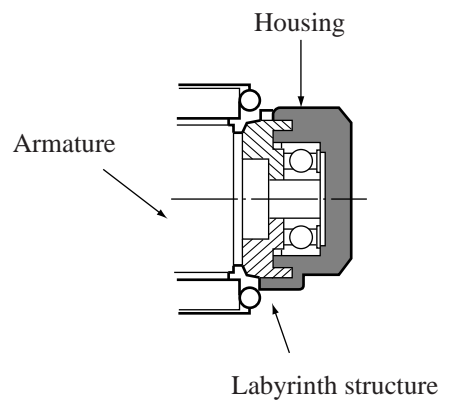
Slim/trim body 56mm wide  
 for easy, comfortable gripping thanks to the slim but  
 durable S55-type motor

Diameter of field core



More durable motor:  
 Armoured with special varnish  
 on armature coil and taping  
 on field coil for protection  
 against dust and wire snap

Labyrinth structure  
 to protect ball bearings from dust



## ► Comparison chart

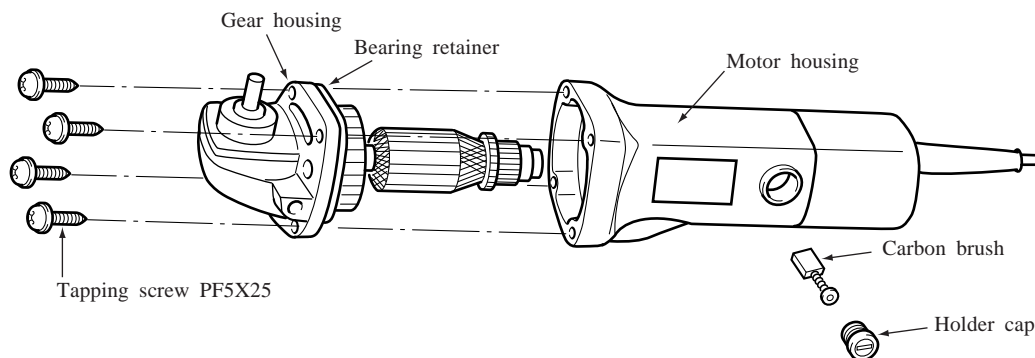
Model No.	Makita 9523NB	Makita N9500N	Hitachi G10SF
Wheel diameter	100mm(4")	100mm(4")	100mm(4")
Input (w)	540	570	530
No Load Speed (rpm)	11000	12000	12000
Net Weight	A (kg) 1.4 (3.1 lbs)	1.5 (3.3 lbs)	1.4 (3.1 lbs)
	B (kg) 1.6 (3.5 lbs)	1.7 (3.7 lbs)	1.6 (3.5 lbs)
Insulation class	Double	Single	Single
Shaft-lock	Yes	Yes	Yes
Style of switch	Slide	Toggle	Toggle
Dimension of body (mm)			

Net Weight	A	without wheel, wheel cover, inner flange, lock nut and power supply cord
	B	without wheel and power supply cord

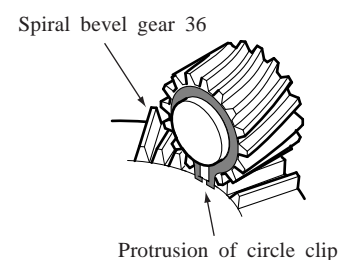
## ► Repair

### (1) Replacing of armature

- 1) Disconnect the wheel stone and wheel cover, respectively.
- 2) Disconnect the carbon brush.
- 3) Disconnect the tapping screw PF5x25 for holding the gear housing and motor housing and then remove the armature.



- 4) To disassemble the armature from the gear housing, depending on the position its sometime hard to pull out the armature due to touching between the protrusion of circle clip and spiral bevel gear 36. In such a case slightly turn the armature to slide it before disassembling.



(2) Replacing of the spiral bevel gear 36

- 1) Disconnect the wheel and wheel cover, respectively.
- 2) Disconnect the tapping screw CT4x16 for holding the bearing box.
- 3) Since the spiral bevel gear is just inserted into the spindle, assemble/disassemble as shown on the below figure.

