

⚠ WARNING

- DO NOT use the HURRICANE ALPHA with non-approved angle grinders. Please check against list below.
- HURRICANE ALPHA is only for grinding concrete and block. DO NOT use for grinding steel or other materials.
- HURRICANE ALPHA must be used with a vacuum designed and approved for concrete dust.
- HURRICANE ALPHA is only for use with Diamond Grinding Cup. DO NOT use with abrasive grinding wheels.
- Always check the HURRICANE ALPHA for damage, cracks, or deformation before use.
- DO NOT use the HURRICANE ALPHA if it is cracked, damaged or bent as this could lead to injury.
- Be sure to wear protective goggles, dust mask, protective gloves and foot wear, earplugs and other protective equipment when working.
- Keep the HURRICANE ALPHA away from gasoline, solvents, and paraffin.
- Ensure the work piece is securely clamped before working.

Explanation of the pictograms.



General Warning.



Read the operating instructions before use.



Wear eye protection.



Wear breathing protection.



Wear ear protection.



Wear protective gloves.

SPECIFICATIONS

Model Code	NKC-180	
Suitable tool	\varnothing 175~180mm (7 inch class) / h20-30mm Diamond Grinding Cup Wheel	
Weight	0.8kg (Main Unit with adaptor system)	
Material	Concrete / Block.	
Suitable Angle Grinders ※Based on 2018 models.	BOSCH	GWS20-180 / H / J / JH, GWS20-230 / H / J / JH, GWS22-180 / H / J / JH / LV, GWS22-230 / H / J / JH / LV, GWS24-180 / H / J / JH / LV, GWS24-230 / H / J / JH / LV
	MAKITA	GA7020 / 7040 / 7050 / 7060 / 9020 / 9030 / 9040 series.
	HiKOKI (HITACHI)	G18 / 23 series.
	Milwaukee	AG22-180, AG22-230, AG22-230E
	DEWALT	DWE490 / 492 / 492S / 493 / 494, D28413 / 28490 / 28492 / 28498 / DWE4559 / DWE4579 / DWE4599
	Metabo	(W / WE) 22-180MVT, (W / WE / WEA / WEPB / WEPBA) 24-180MVT, W26-180MVT, (W / WE) 22-230MVT, (W / WE / WEP / WEA / WEPB / WEPBA) 24-230MVT, (W / WE / WEA / WEPBA) 26-230MVT
	FLEX	L21-8 180, L21-6 230, L24-6 230, L26-6 230

OVER VIEW

[a] Main Body / [b] Metabo Ring / [c] Adaptor / [d] Centering Holder / [e] Flange Bolt / [f] Base Flange
[g] Spacer T3.4 / [h] Spacer T6.0 / [i] Spacer T7.5 / [k] Spacer T9.4 / [m] Spacer T10.6
[n] Bolt (L60) / [o] Bolt (L45) / [p] Hex Wrench / [q] Hose Connector

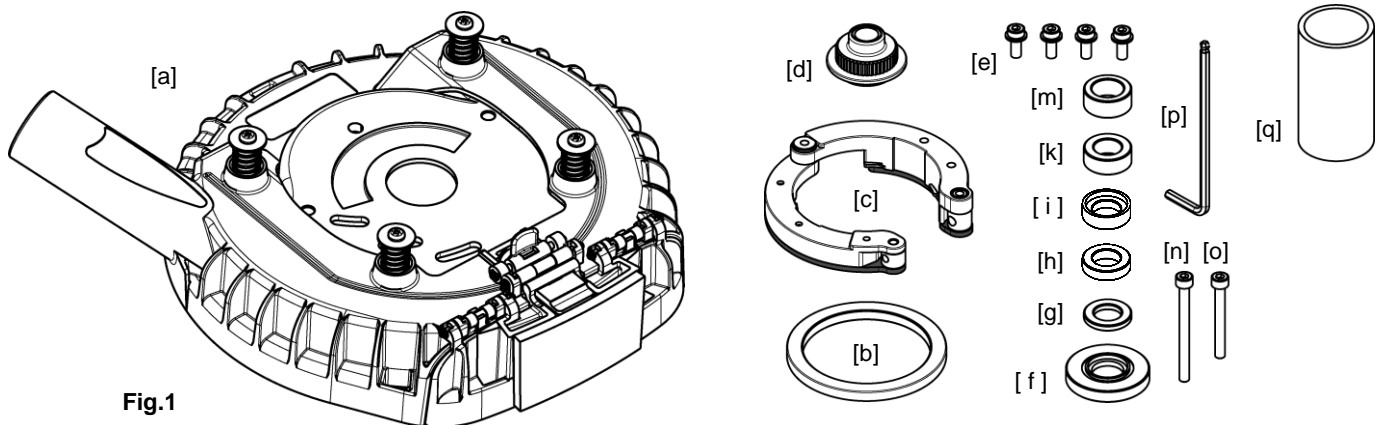


Fig.1

PREPARATION

1. [Metabo / Dewalt DWE4579 type]
Remove the Lever unit and O-ring (WX22-230 and W24-230 only), then set [b] Mount Ring on the Gear Case. (Fig.2)

2. Set [c] Adaptor around the Gear Case with the Hooks securely stored into the groove at Gear Case. (Fig.3)

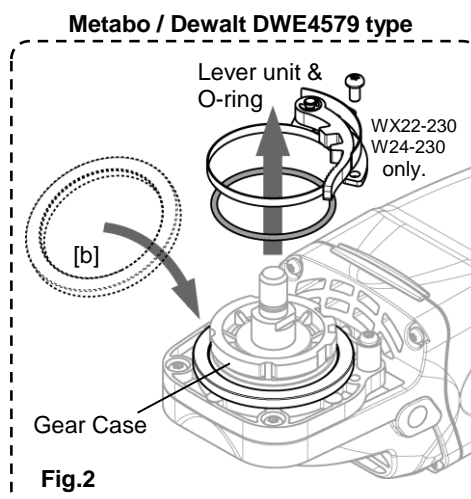


Fig.2

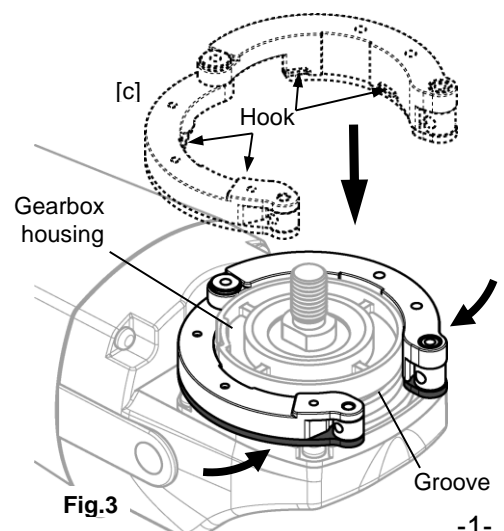
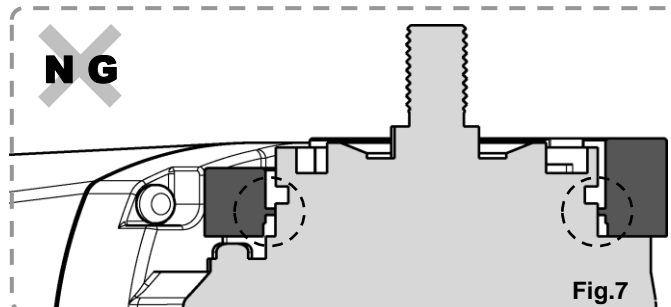
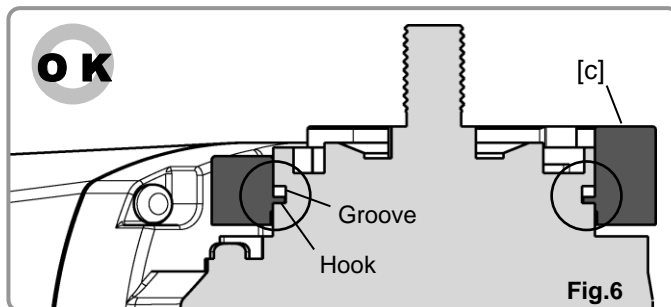
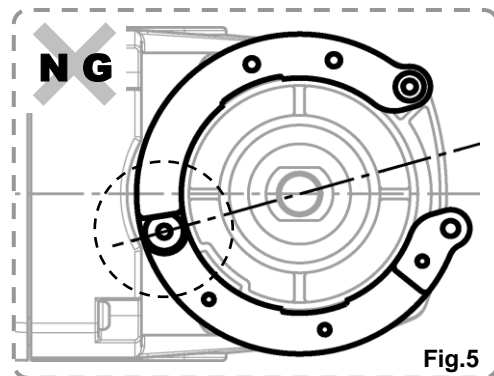
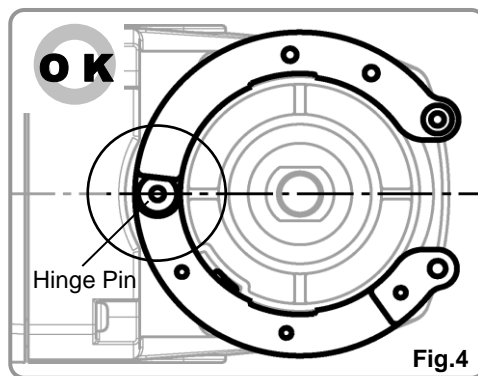


Fig.3

3. Set the position of the Hinge Pin on the center line of the angle grinder.
(Fig.4 and 5)

4. Confirm the Hooks are securely located into the groove in the Gearbox housing
(Fig.6 and 7)



INSTALLATION

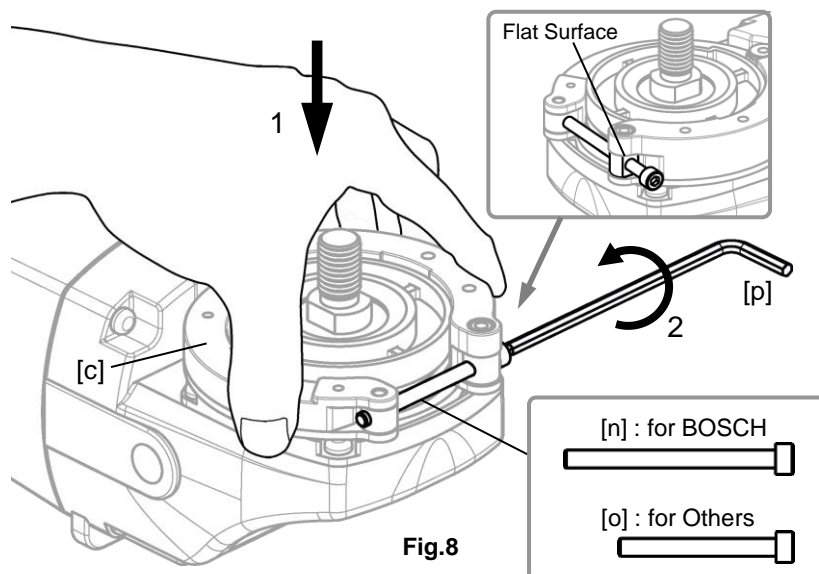
1. Hold [c] Adaptor with a downwards pressure.

2. Tighten [n] / [o] Bolt by [p] Hex Wrench to clamp the gearbox housing.

[n] Bolt (L60) : for BOSCH
[o] Bolt (L45) : for Others

* Make the [n] [o] Bolt head facing the Flat Surface of [c] Adaptor.

(Fig.8)

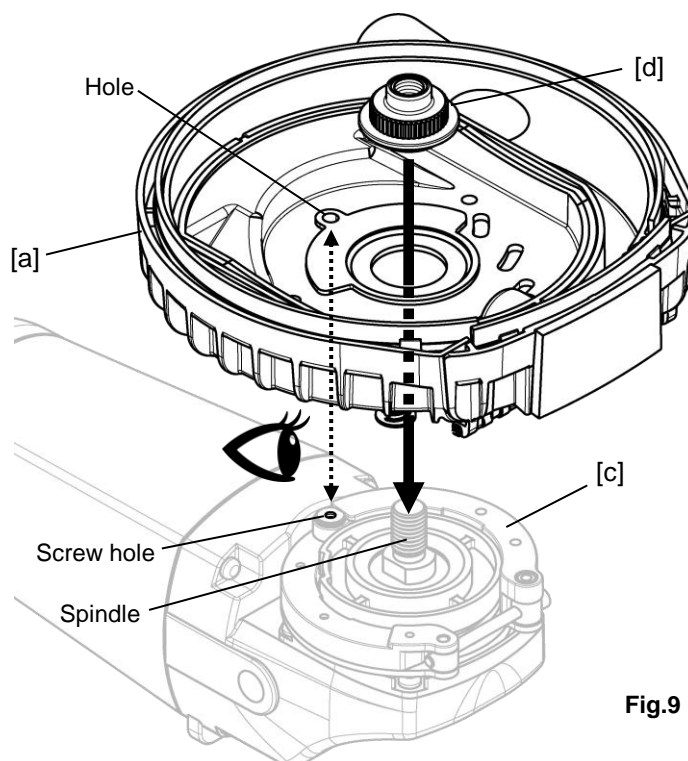


3. Place [a] Main Body on [c] Adaptor.

4. Screw [d] Centering Holder into the spindle of the angle grinder to fix [a] Main Body and [c] Adaptor temporary.

5. Align the position of the Hole at [a] Main Body and the Screw hole at Hinge Pin of [c] Adaptor.

(Fig.9)



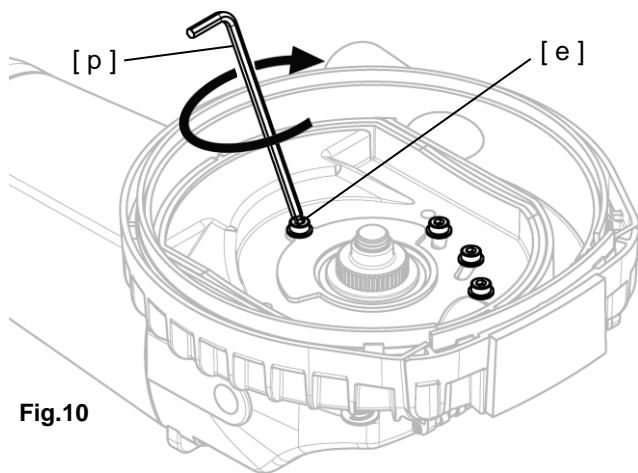


Fig.10

8. Tighten [e] Flange Bolt x 4pcs by [p] Hex Wrench. (Fig.10)

9. Remove [d] Centering Holder.

10. Set the proper Spacer [g] / [h] / [i] / [k] / [m] on the spindle of the angle grinder.

==> See the table below.

11. Set [f] Base Flange on Spacer.

12. Set the Diamond Grinding Cup on [f] Base Flange and tighten the Lock Nut by Wrench. (Fig. 11)

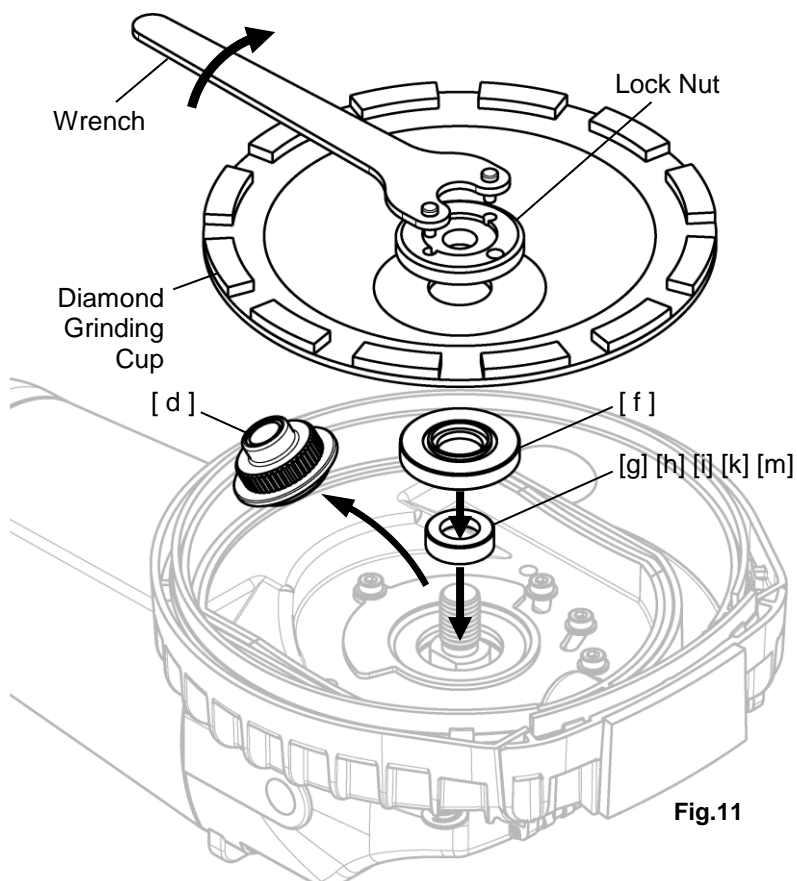
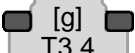
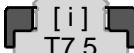
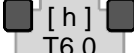
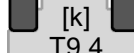
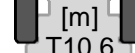
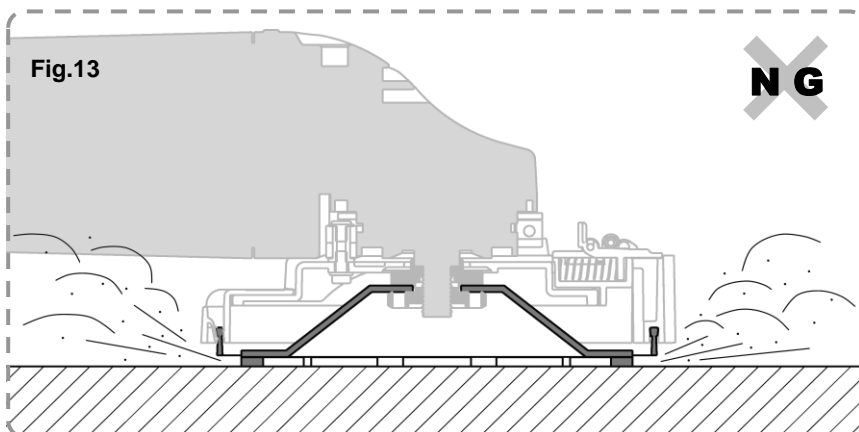
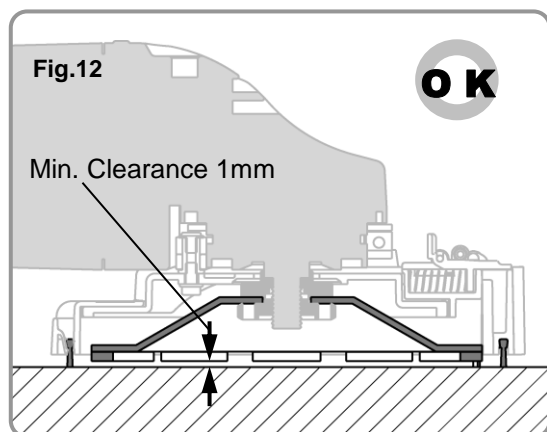


Fig.11

METABO	BOSCH	DEWALT		HIKOKI	MILWAUKEE	MAKITA	FLEX
		DWE494 type	DWE4579 type				
							

13. Confirm the clearance (min.1mm) between the Diamond Grinding Cup and the material. (Fig.12 and 13)



14. Fit the Handle to the angle grinder.

15. Connect the Vacuum Hose to the Duct of the [a] Main Body using [q] Hose Connector. (Fig.14)

[CAUTION]

Use the Vacuum with Input Power 1,500W or more for best possible performance and dust extraction.

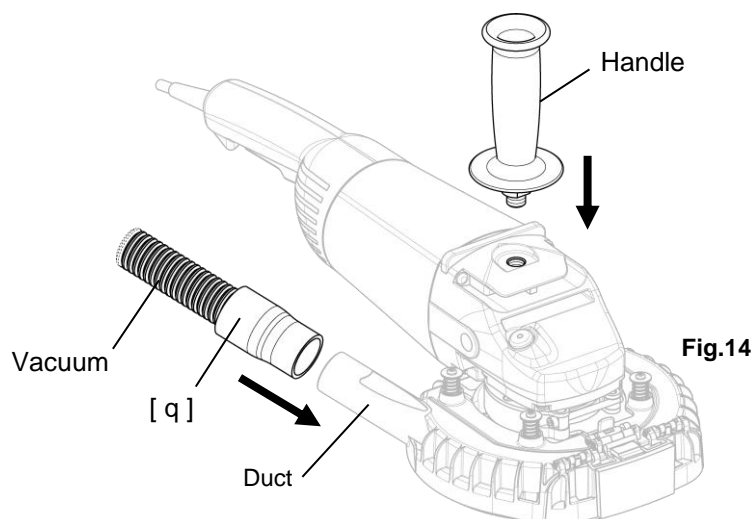
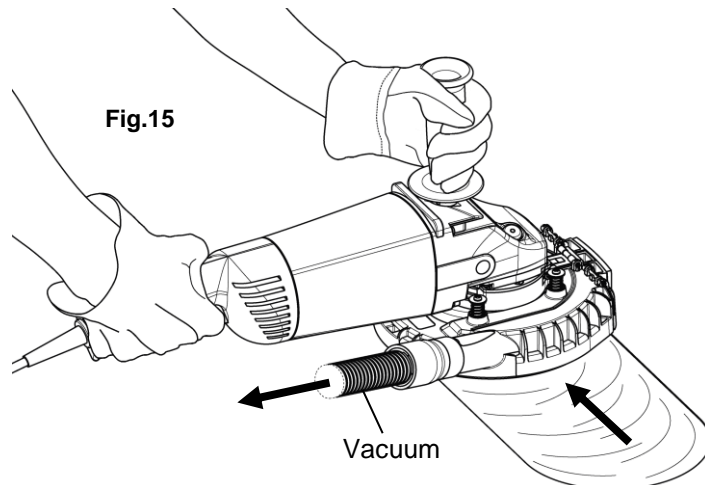
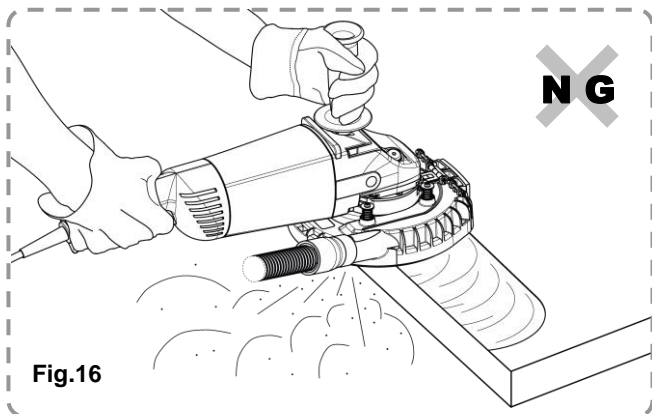


Fig.14

GRINDING

1. Turn on the Vacuum.
2. Securely hold the Handle of the grinder.
3. Turn on the angle grinder.
4. Place the [a] Main Body on the material and slowly move over the surface to be ground. (Fig.15)



[CAUTION]

Don't grind over the edge of the material as some dust could escape (Fig.16)

CORNER GRINDING

1. Make sure that the angle grinder and Vacuum are turned off.
2. Lift the angle grinder away from the material.
3. Open the Front Lid by pulling the Slider. (Fig.17)

[CAUTION]

The wheel dia. must be max.180mm to prevent the over grinding. (Fig.18)

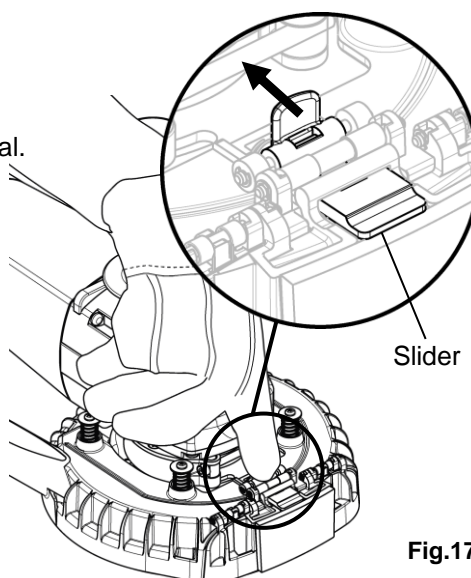
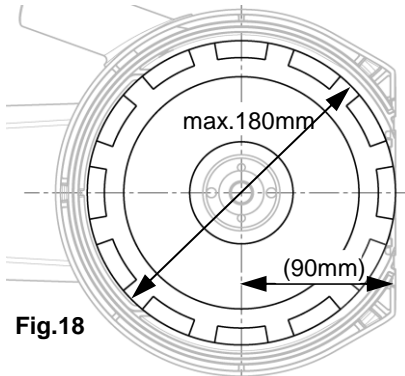


Fig.17

4. Turn on the Vacuum.
5. Turn on the angle grinder while ensuring the handle is gripped firmly.
6. Place [a] Main Body on the material and slowly move toward the grinding direction along the wall. (Fig.19)
7. Turn off the angle grinder and vacuum, then close the Front Lid. (Fig.20)

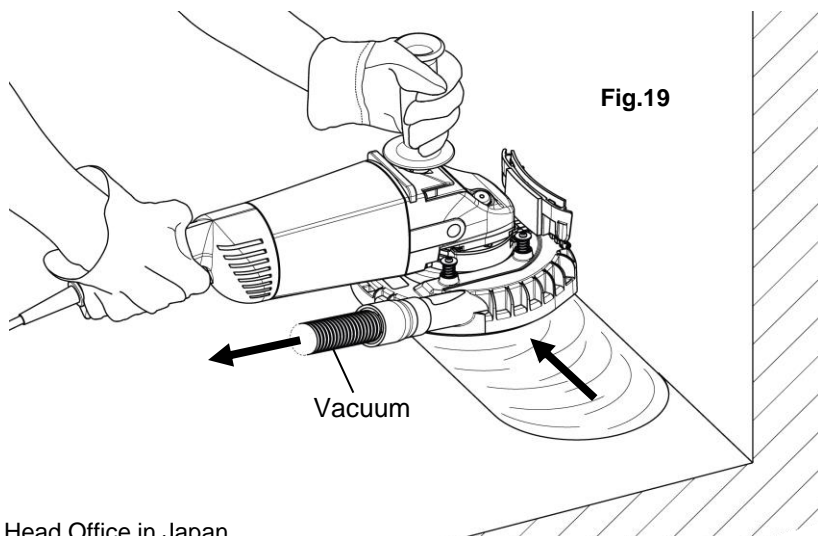


Fig.19

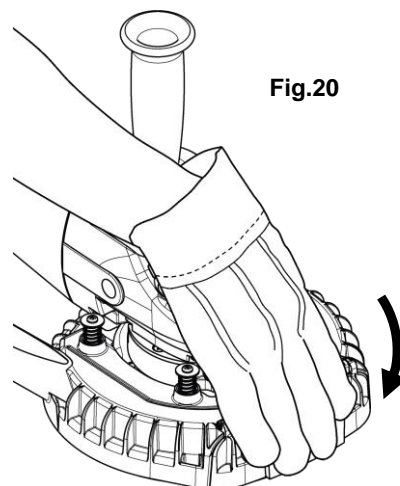


Fig.20

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