

E-type Straight Handpiece ES-30A, ESG-30AR, ES-30B, MWS-30A, STS-30H

⚠ This product is designed for dental use only. Its operation and maintenance should be conducted under dentist's supervision.

⚠ Please read this Operation Manual carefully before use, and file for future reference.

SPECIFICATION:

• Maximum Rotation Speed (Maximum Motor Speed)	: 40,000rpm	ES-30A, MWS-30A
	: 30,000rpm	ES-30B
	: 20,000rpm	ESG-30AR, STS-30H
• Chuck Ability	Force to withdraw	: more than 45N
	Rotating Direction	: more than 4N·cm
• Applicable Bur	: HP type ISO standard (2.35φ)	
• coupling for Airmotor	: ISO Standard (E type)	ES-30A, ESG-30AR, ES-30B
	: MIDWEST TYPE	MWS-30A
	: STAR TYPE	STS-30H
• Sterilization	: 135°C autoclave for 15 min.	

How to use:

⚠ Check for vibration, noise and overheating outside the patient's mouth before use. And if any abnormalities are found in use, stop using immediately and contact your dealer.

⚠ Please avoid disassembling or modifying the product.

⚠ Do not drop, apply excessive force / impact on ST Handpiece. Warranty is invalid for the trouble caused by those acts.

1. Coupling with Motor

Push the nose of Airmotor into the Handpiece to be coupled, all the way until it stops.

(fig. 1, fig.2)

Verify proper coupling by pulling the ST Handpiece and the Airmotor.

Please refer to the operation manual of Airmotor, for its use.



2. Bur Change

At bur-locking position where two dots are lined(fig.3), twist upper body to the direction indicated by arrow all the way to the end. Release a dummy bur and insert a clean bur.

Twist back upper body till both of the two dots are lined. In twisting upper body, please hold bottom body tightly by a hand.

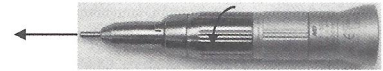


fig.3

3. Operation

1. Repeat chuck-open and close a few times.
2. Use with motor running at below Maximum Rotation Speed.

⚠ Do not run Handpiece without locking bur.

⚠ Do not run Handpiece with chuck opened.

⚠ In high speed use, the bur with large operating diameter could fly off and cause serious damage on human body. Please observe speed limit of bur.

4. Un-coupling with Motor

Push release button. (fig.4)

Pull out Handpiece. (fig.5)

⚠ For safety, mount Test Bur, the standard accessory, on the ST Handpiece, when it is not in use.



5. Spray attachment

1. Straight handpiece(ST) spray attachment

Clip the spray attachment on the nose of straight handpiece.(fig.6)

Connect the tube with the spray pipe on Airmotor. (fig.7)



⚠ Tube included is made long on purpose. Please cut it at the best length for your use.