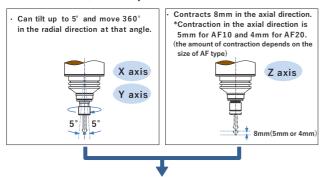




Features of the Air Float Attachment AF Series

The unique air float mechanism compensates for unmeasured portions of the workpiece in the X, Y and Z-axis directions.

The air float (motor spindle attachment):



- · Compensates for variations in workpiece shape.
- Robot teaching can be simplified.

Floating power (force applied by the cutting tool) can be freely regulated to match the workpiece material.

Adjusting the air pressure supplied to the air float enables free regulation of the floating power (force applied by the cutting tool).

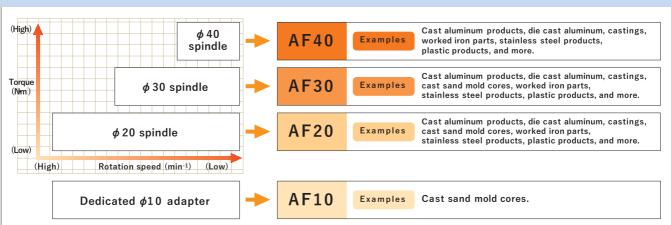
- Note 1. Use the precision regulator (standard accessory) to regulate the air pressure.
- Note 2. Air pressure can be regulated in the 0.05 MPa to 0.2 MPa range.
- Note 3. Note that the position of the cutting tool when applied to the workpiece also causes minor variations in floating power.
- Note 4. Automatic floating power regulation is possible with the electropneumatic regulator.

Usable with workpieces made of various materials.



(Precision regulator)

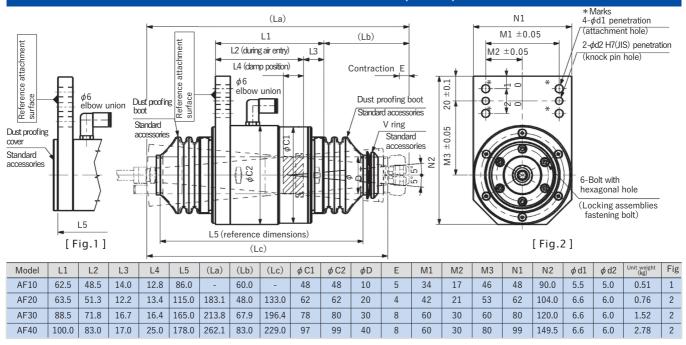
Holder lineap compatible with ϕ 20, ϕ 30, and ϕ 40 spindles.



- Note 1. The AF series does not come with a motor spindle.
- Note 2. The optimal spindle varies according to the workpiece material and shape of the burrs (machining capability differs depending on spindle power).
- Note 3. Use AF10 after attaching a special tool to the dedicated adapter
 - The dedicated adapter does not rotate. Deburring is performed by stroking the burrs with the special tool. Contact our sales department for details.
- Note 4. Our recommended deburring attachments with attached ϕ 20, ϕ 30, and ϕ 40 motor spindles are also available. Contact our sales department for details.

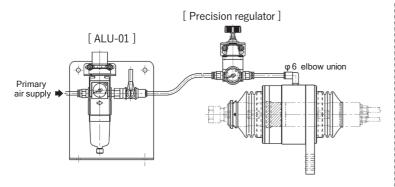


Air Float Attachment AF Series Dimensions (Unit: mm)



- Note 1. The ϕ d2 H7(JIS) dimensions are those of the attachment hole for the air float on which the motor spindle is attached
- Note 2. Refer to the instruction manual and mount the motor spindle at the correct position.
- Note 3. The weight of the motor spindles we recommend is 0.23kg for ϕ 20, 0.80kg for ϕ 30, and 1.84kg for ϕ 40.
- Note 4. There is no recommended motor spindle for AF10. Contact us for further details.

Air Path Diagram for the Air Float Attachment AF Series



- \cdot Regulate the air float pressure via the (included) precision regulator to provide clean air.
- Always set an air filter between the air supply and the precision regulator to supply clean air. (In the path diagram, ALU-01 is an air filter we offer as an optional accessorv.)

Motor spindle specifications







Deburring can also be performed by fixing the product and having a robot hold the workpiece.

Contact our sales department for details.

Other Products Related to the Air Float Attachment AF Series

Standard accessories





V ring Dust proofing boot



·Use this accessory to regulate the float

Air line unit

·Provide clean air for the air supply required by the float air or the selected motor spindle.

Optional accessories *Not included with the product. Sold separately





·Use this accessory to regulate external float air pressure.

Contact sales our department for details.

Electro-Pneumatic Regulator

Tokyo office Nagoya office 3

7-4-6 Seikadai, Seika-Cho, Soraku-Gun, Kyoto 619-0238 Japan Phone (0774) 98-0518 Fax (0774) 98-0558 5-1-4 Kamitsurumahoncho, Minami-Ku, Sagamihara-City,

corporation

Dynamic Tools Corporation

7-4-6 Seikadai, Seika-Cho, Soraku-Gun, Kyoto 619-0238 Japar Phone (0774) 98-0518 Fax (0774) 98-0558 e-mail:dynex@earth.email.ne.jp

Product specifications and shapes in this brochure are subject to modification without notice.