



Dynamic Tools Corporation
dynex corporation

Special Chuck in stock as standard

Centering Face Chuck
DF-CHUCK

- 1 Workpiece-seating sensor by air
- 2 Through coolant
- 3 Additional clamping force
(O.D. clamping force can be increased by pulling U shaped spring with built-in air cylinder)
- 4 Base and top jaw type(top jaw exchange repeatability 5μm)
- 5 Possible to be used in both horizontal and vertical machines
- 6 Possible to be used for machining and grinding

- 1 Max. clamping diameter is $\Phi 130$.
- 2 This chuck is to clamp workpiece by the combination of centering by elastic deformation of U shaped springs and clamping by face clampers that swing up and down.
- 3 Centering softly by top jaws at O.D. and then clamping strongly by face clampers at top face make the clamping distortion minimized, even if it's thin workpiece.
- 4 By built-in air cylinder, fine adjustment of clamping is possible.
- 5 By independent face clamping mechanisms, clamping uneven workpiece is possible.
- 6 Clamper swivels and descends when clamping, and clamper rises and swivels at that position when un-clamping which allow to clamp even in narrow gaps.

- 1 Max. rotation speed: 1000min^{-1}
- 2 Max. Air pressure: 0.5MPa
- 3 Jaw travel: $0.35 \times 2 = 0.7\text{mm}$
(in case of jaw height 30mm)
- 4 Clamper top and bottom stroke: 4mm
Rotation angle: 55°
- 5 Repeatability: Within $10\mu\text{m}$ with master workpiece
- 6 Chuck body weight: 33.6kg

*Parts other than those in sold line are optional.

[illegible]

DF-CHUCK

(Large Diameter Diaphragm Chuck)



Features

- 1 Max. clamping diameter is $\Phi 165$.
- 2 This chuck is to clamp workpiece by elastic deformation of diaphragm.
- 3 Diaphragm and 6 jaws achieve supper repeatability and high roundness machining.
- 4 Top jaws close in pull-down direction so that top jaws clamp workpiece on stopper in close contact. (O.D. clamping)
- 5 By built-in air cylinder, fine adjustment of clamping force is possible. The clamping distortion is minimized even if it's thin workpiece.

Basic function

- 1 Workpiece-seating sensor by air
- 2 Through coolant
- 3 Additional clamping force
(O.D. clamping force can be increased by pulling diaphragm with built-in air cylinder)
- 4 Base and top jaw type (top jaw exchange repeatability $5\mu\text{m}$)
- 5 Possible to be used in both horizontal and vertical machines
- 6 Possible to be used for machining and grinding

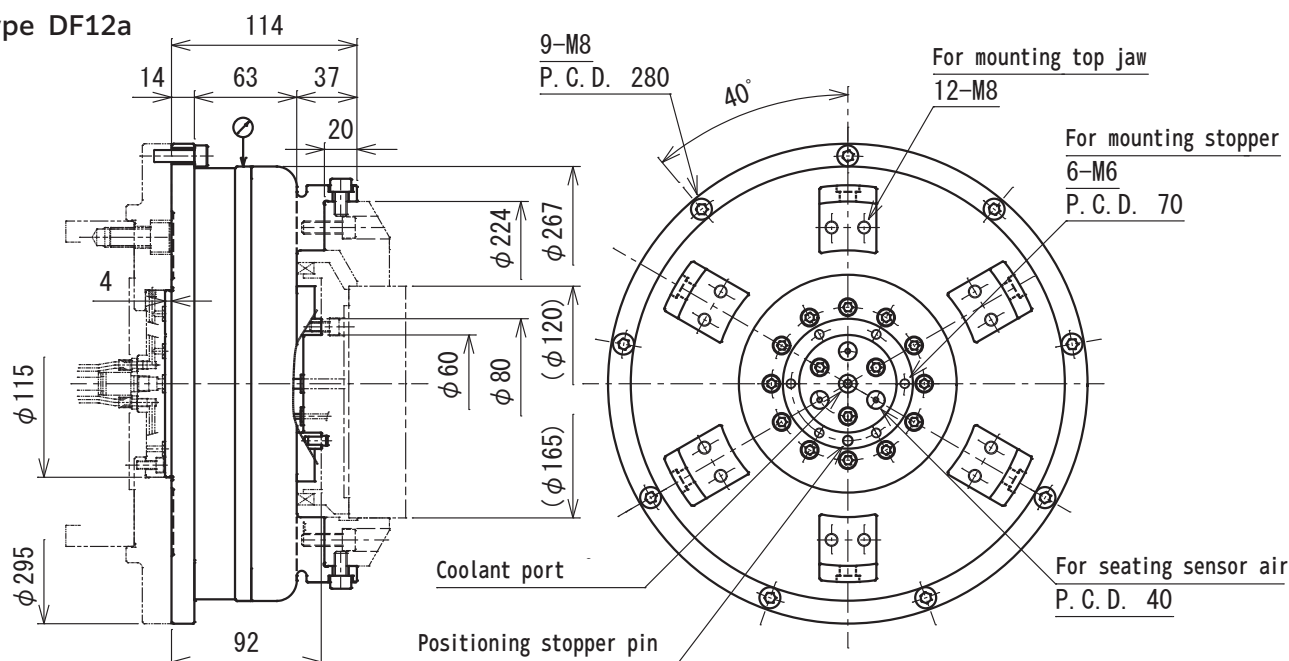
Specifications

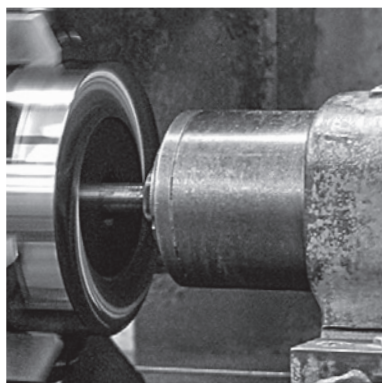
- 1 Max. rotation: 1000min^{-1}
- 2 Max. Air pressure: 0.5MPa
- 3 Jaw travel: $0.35 \times 2 = 0.7\text{mm}$
(in case of jaw height 40mm)
- 4 Repeatability: Within $8\mu\text{m}$ with master workpiece
- 5 Chuck body weight: 31.5kg

Dimensions

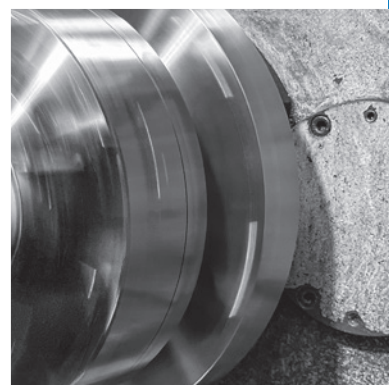
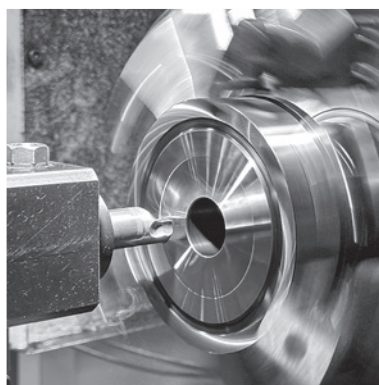
*Parts other than those in sold line are optional.

Type DF12a





Centering Face Chuck DF-CHUCK



Distributor

Specification and dimensions may be changed without notice.

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