

EFORT

■ Highlights

■ Applications

■ Industries

A white industrial robotic arm, branded with the red "EFORT" logo on its upper section. The arm is mounted on a white base and is shown in a curved, articulated position. The background is a plain, light gray.

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Model		ER70-2100-II
Type		Articulated
Controlled axes		6 Axes
Max. payload on wrist		70 kg
Repeatability		±0.05 mm
Robot weight		560 kg
Reach		2100 mm
Robot IP grade		IP54
Cabinet IP grade		IP54
Drive mode		AC servo drive
Installation		Floor, Upside-down
Installation enviroment	Ambient temperature	0~45 °C
	Ambient humidity	RH≤80% (No dew nor frost allowed)
	Vibration acceleration	4.9 m/s ² (<0.5 G)

Allowable load moment at wrist	J4	185 N·m
	J5	185 N·m
	J6	120 N·m
Allowable load inertia at wrist	J4	13 kg·m ²
	J5	13 kg·m ²
	J6	10 kg·m ²
Maximum speed	J1	190°/sec
	J2	160°/sec
	J3	190°/sec
	J4	300°/sec
	J5	240°/sec
	J6	400°/sec
Motion range	J1	±180°
	J2	+70°-150°
	J3	+170°/-75°
	J4	±200°
	J5	±120°
	J6	±360°

Technical drawing of a circular flange with dimensions and a cross-section view.

Top View Dimensions:

- Overall diameter: 420 ± 0.1
- Inner diameter: 370
- Outer diameter of mounting holes: 464
- Distance between mounting holes: 251
- Distance between mounting holes (inner): 175 ± 0.05
- Distance between mounting holes (outer): 230 ± 0.05
- Overall diameter of mounting holes: 657

Mounting Holes:

- 4- $\phi 40$
- 4- $\phi 22$ Through
- 4-M12 Through

Section View Dimensions:

- Overall thickness: 35
- Inner diameter of section: 15
- Section label: 2- $\phi 017^{+0.013}_{-0.013}$ Through
- Section label: 铜孔 (Pin hole)
- Section label: 2-沉头孔 $\phi 12$ Counter bore hole

6-M8深12 均布
Depth 12 EQS

15°

销孔
(Pin hole)

Φ8H7 $\begin{smallmatrix} +0.015 \\ 0 \end{smallmatrix}$ 深8
Depth 8

Φ80 ± 0.1

16零标位
J6 axis zero
marking point

安装螺钉孔分布圆直径
Screw hole distribution
circle diameter

151

6

Φ50H7 $\begin{smallmatrix} +0.025 \\ 0 \end{smallmatrix}$

末端执行器安装面
End effector
installation surface

*The final interpretation right belongs to EFORT Intelligent Robot Co., Ltd. Any updates will be made without prior notice.

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