

ESR10-800Z20

- **适用场景**
可应用于搬运、分拣、组装等各种场景。
- **适用行业**
适用于电子制造、锂电、汽车电子、光伏等行业。

型号		ESR10-800Z20
可达半径		800 mm
手腕可搬运质量	额定	5 kg
	最大	10 kg
本体质量		24 kg
最大动作速度	J1+J2	10500 mm/sec
	J3	1500 mm/sec
	J4	2500°/sec
各轴运动范围	J1	±132°
	J2	±150°
	J3	200 mm
	J4	±360°
重复定位精度	J1+J2	±0.025 mm
	J3	±0.01 mm
	J4	±0.01°
标准循环时间		0.412 s
J4轴容许 负载转动惯量	额定	0.02 kg·m ²
	最大	0.3 kg·m ²
信号接口		15针(D-Sub接口)
气路接口		φ4 mm×1,φ6 mm×2
第三关节顶压力		200 N
安装方式		地面
安装条件	环境温度	5~40℃
	环境湿度	RH≤80% (无结露)

This technical drawing illustrates a mechanical assembly, possibly a pump or engine component, shown in a cross-sectional view. The central part of the device features a vertical shaft or piston rod, labeled 'a', which is connected to a central body, labeled 'b'. This central body is surrounded by a series of concentric circles, labeled 'c', 'd', 'e', 'f', 'g', 'h', and 'i', which likely represent different layers or components of the device. The entire assembly is mounted on a base, labeled 'j'. The drawing includes several dimension lines and labels indicating specific measurements: 'm' for the width of the base, 'n' for the height of the base, 'p' for the height of the central body, 'q' for the height of the central body, 'r' for the height of the central body, 's' for the height of the central body, 't' for the height of the central body, 'u' for the height of the central body, 'v' for the height of the central body, 'w' for the height of the central body, 'x' for the height of the central body, 'y' for the height of the central body, and 'z' for the height of the central body. The drawing is a detailed technical illustration, likely from a patent or engineering manual.

ESRI0 series range of motion parameters for different arm lengths			
机型名称 The name of the model	ESRI0-600Z20	ESRI0-700Z20	ESRI0-800Z20
a. 第1轴臂长+第2轴臂长 (mm) a. 1st axis arm length+2nd axis arm length (mm)	600	700	800
b. 第1轴臂长 (mm) b. 1st axis arm length (mm)	225	325	425
c. 最大运动范围 (mm) c. Maximum range of motion (mm)	661.5	761.5	861.5
d. 第1关节运动范围 (°) d. Range of motion of the 1st joint (°)		132	
e. 第2关节运动范围 (°) e. Range of motion of the 2nd joint (°)		150	
f. 运动范围 f. Range of motion	212.4	187.5	212.5
g. 后方运动范围 g. Rear range of motion	525.6	592.5	659.4
h. 第1关节机械停止位的角度 (°) h. The angle of the mechanical stop position of the 1st joint (°)		1	
i. 第2关节机械停止位的角度 (°) i. The angle of the mechanical stop position of the 2nd joint (°)		1.5	
j. 机械停止位的范围 j. The range of mechanical stop bits	207.2	179	202.8
k. 后方机械停止位的范围 k. The range of the rear mechanical stop bits	528.5	596.7	664.9
m. 运动范围 m. Range of motion	420	330	320
n. 运动范围 n. Range of motion		300	

Technical drawing of the front view of the device, showing dimensions and component labels:

- Dimensions: 61.5, 37.5, 156, 150, 36, 100, 170, 20, 4.
- Labels:
 - 用户气管3 (Φ6 白) / Air3 (Φ6 white)
 - 指示灯 / Lamp
 - 抱闸按钮 / Brake
 - 网口 / Network
 - 用户气管1 (Φ6 黑) / Air1 (Φ6 black)
 - DB15
 - 用户气管2 (Φ4)
 - 2-M4 贯穿 (机械挡块) / 2-M4 through-hole (mechanical stop)
 - 4-M4×6
 - 4-Φ9 贯穿 (安装孔) / 4-Φ9 through hole (Mounting Holes)

机型名称 The name of the model	ESR10-600Z20	ESR10-700Z20	ESR10-800Z20
a	225	325	425
b	565	575	585

Technical drawing of a mechanical part (Fig. 1) showing a vertical shaft with various features. The shaft has a top flange with a central hole, a conical hole, a flat cut, and a through hole. Dimensions include diameters of 4.90, 18, 25, and 40, and heights of 47, 30, 10, and 10. The bottom diameter is labeled as a mechanical stop diameter.

Labels and dimensions:

- $\phi 4.90$ 圆锥孔
- $\phi 4, 90^\circ$ Conical hole
- 1mm 平面切槽
- 1mm flat cut
- 最大 $\phi 18$ 通孔
- Max $\phi 18$ through hole
- $\phi 25_{-0.030}^0$
- $\phi 40$ 机械停止位直径
- mechanical stop diameter
- 47
- 30
- 10
- 10

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