

Draw Wire Mechanics EVD Series



Description

Draw wire mechanics used together with encoders is designed for checking the mechanical action at certain distance. It converts the cable rotating movement into linear movement, and the encoder does the counting and ultimately transmits the signal to host computers. Standard type flange 58B is used to facilitate the connection with the encoder, the distance is up to 20 m, suitable for working in high-loaded harsh industrial environments.

Features

- Round universal head, reduces friction, and increases speed
- Optional flange 58B series encoder
- Compatible with a variety of encoders for measuring the length and speed
- Waterproof seal improves IP level
- High repetition up to 0.05 mm
- Robust AL-alloy housing
- Max. measuring range 20 m

EVD series parameters

- High strength AL-alloy housing
- Reliable wire winding system
- Flange facilitates the connection with all encoders

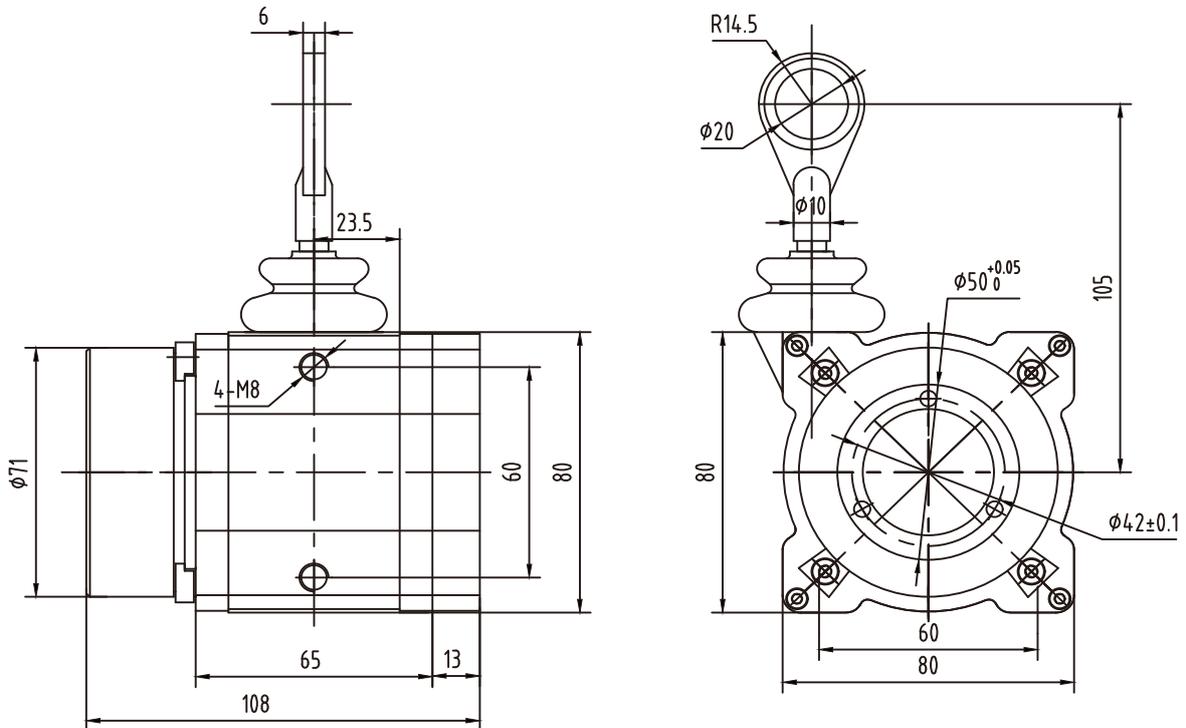
Mechanical parameters

Measuring range	Max. 3 m
Wire diameter	1.3 mm
Perimeter of measuring wheel	200 mm
Working and storage temperature range	-25 ... +85 °C
Dust proof outlet	Silicone dust cover
Steel wire material	High flexibility imported coated steel wire rope
Maximum round-trip speed	15000 mm/s
Shell Material	High-strength aluminum alloy
Linear accuracy	0.05%FS
Repeatability	0.01%
Spring expansion and contraction force	8 N

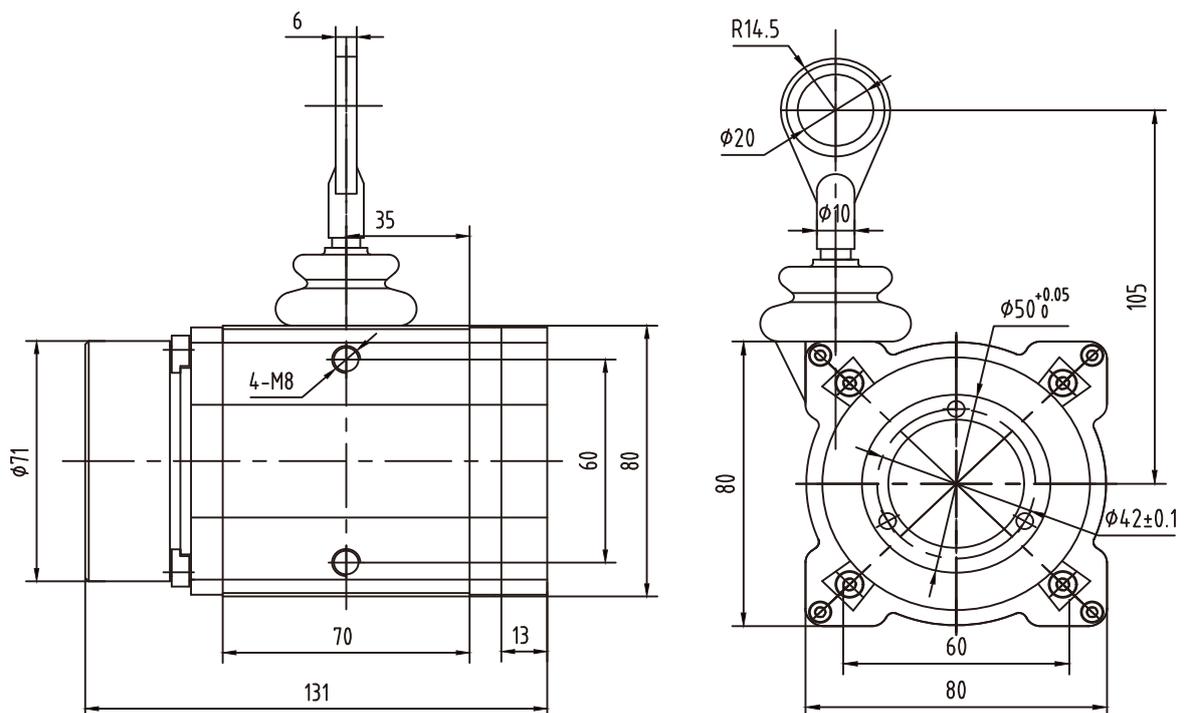
Draw Wire Mechanics EVD Series

Dimensions (mm)

Measuring 2 meter B6 flange



Measuring 3 meter B6 flange



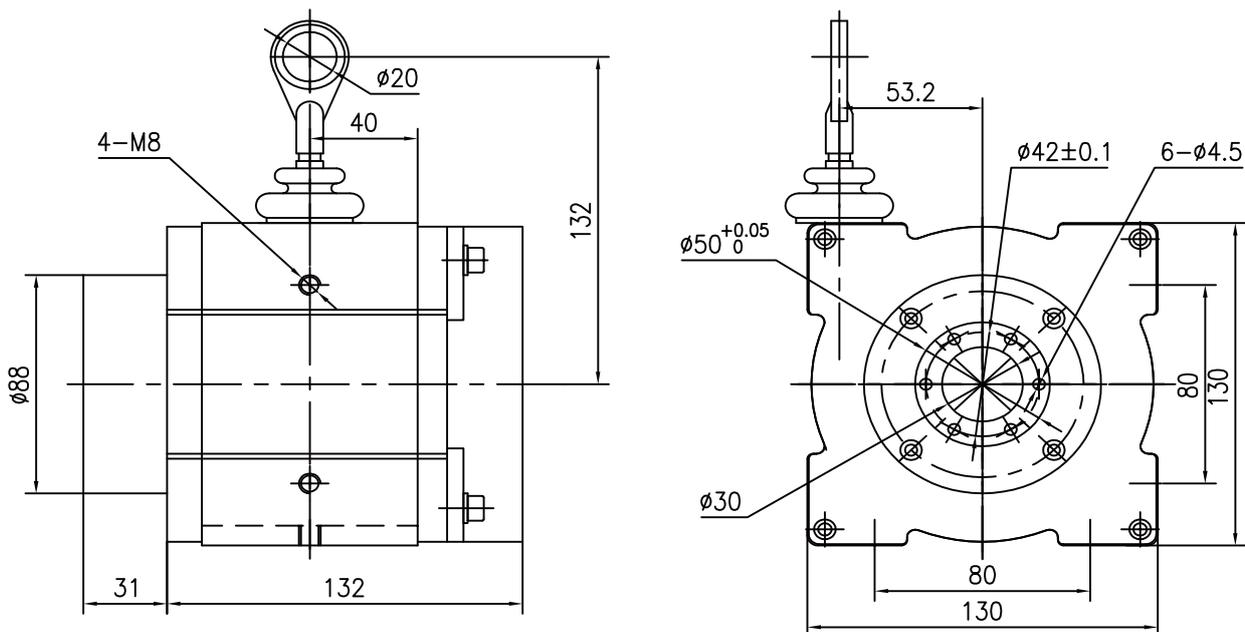
Draw Wire Mechanics EVD Series

Mechanical parameters

Measuring range	Max. 8 m
Wire diameter	1.5 mm
Perimeter of measuring wheel	333.334 mm
Working and storage temperature range	-25 ... +85 °C
Dust proof outlet	Silicone dust cover
Steel wire material	High flexibility imported coated steel wire rope
Maximum round-trip speed	15000 mm/s
Shell Material	High-strength aluminum alloy
Linear accuracy	0.05%FS
Repeatability	0.01%
Spring expansion and contraction force	10 N

Dimensions (mm)

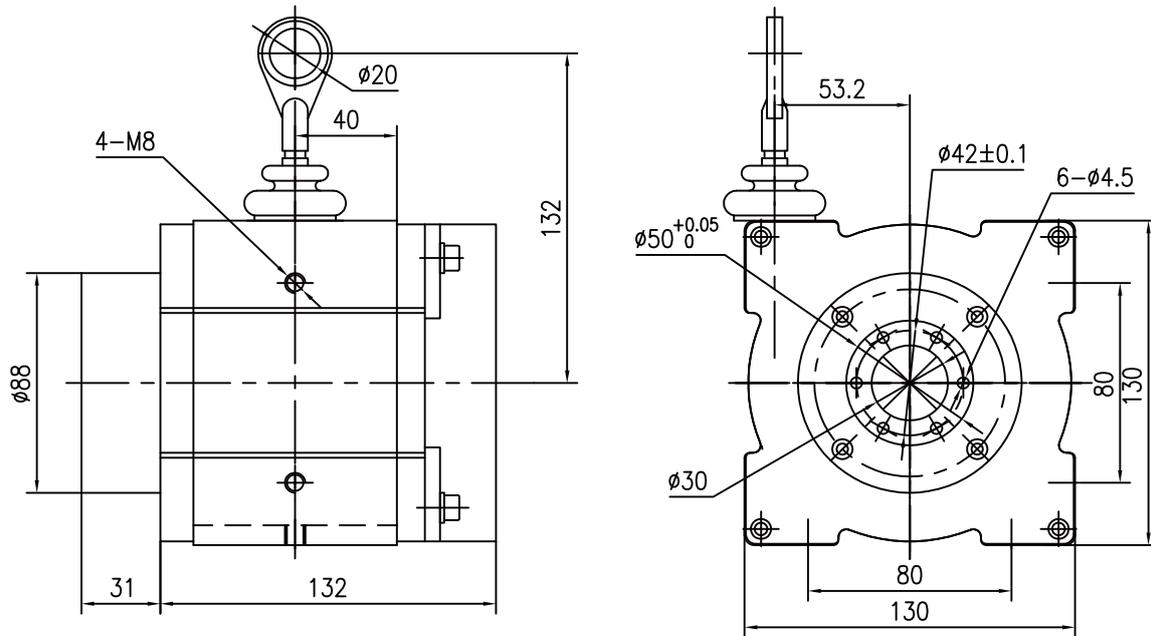
Measuring 5 meter B6 flange



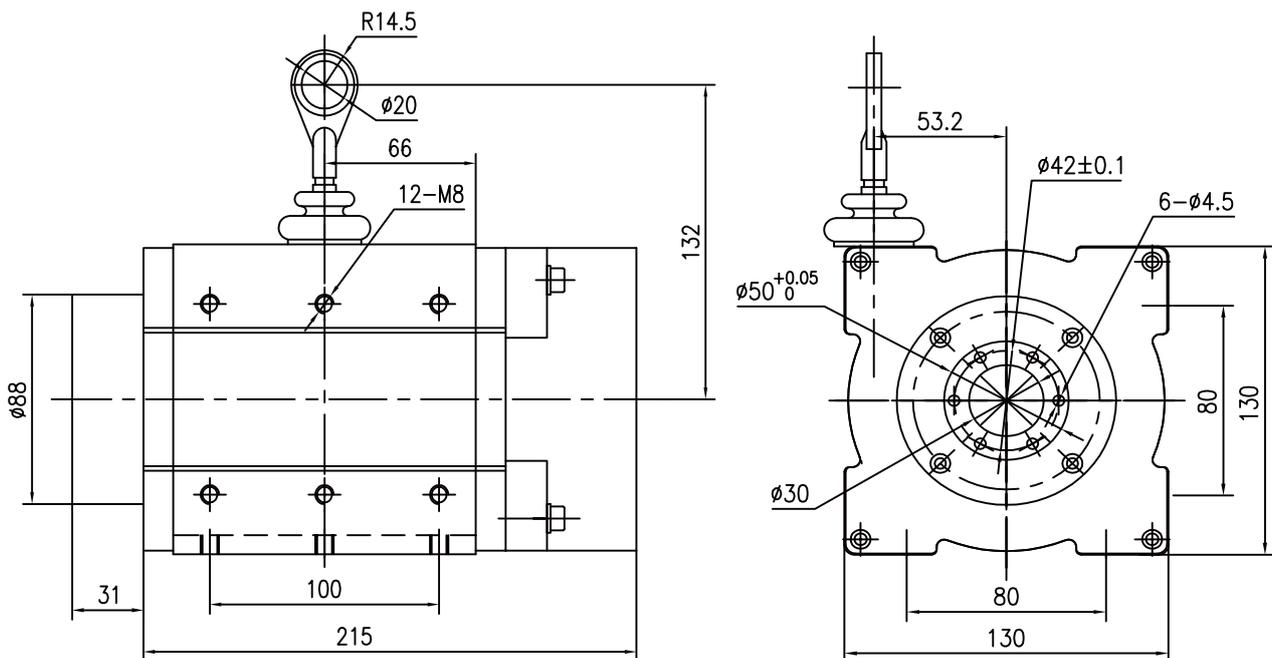
Draw Wire Mechanics EVD Series

Dimensions (mm)

Measuring 6 meter B6 flange



Measuring 8 meter B6 flange



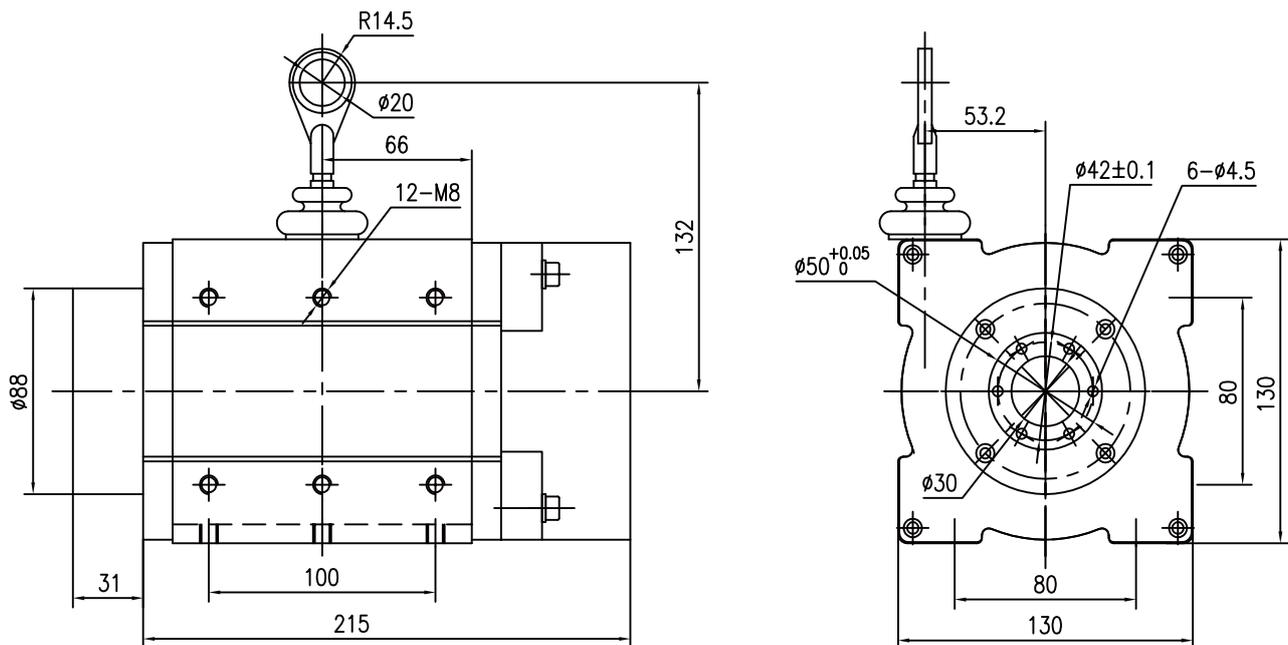
Draw Wire Mechanics EVD Series

Mechanical parameters

Measuring range	Max. 20 m
Wire diameter	1.5 mm
Perimeter of measuring wheel	333.334 mm
Working and storage temperature range	-25 ... +85 °C
Dust proof outlet	Silicone dust cover
Steel wire material	High flexibility imported coated steel wire rope
Maximum round-trip speed	15000 mm/s
Shell Material	High-strength aluminum alloy
Linear accuracy	0.05%FS
Repeatability	0.01%
Spring expansion and contraction force	10 N

Dimensions (mm)

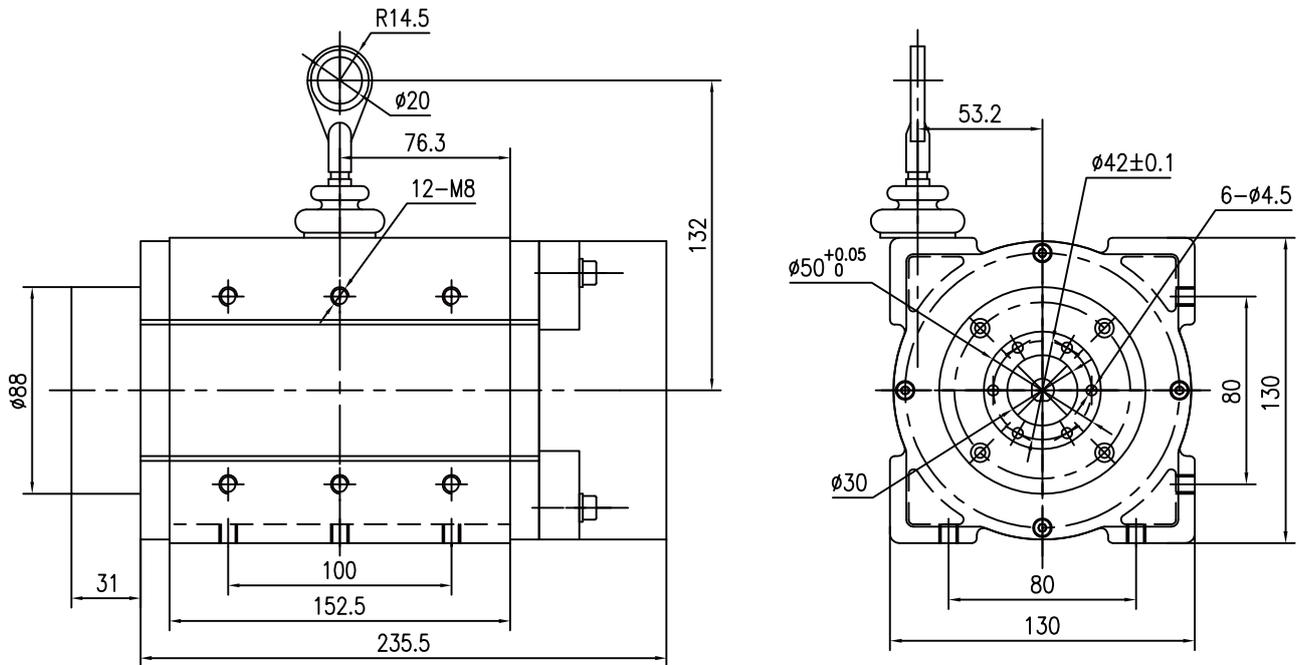
Measuring 10 meter B6 flange



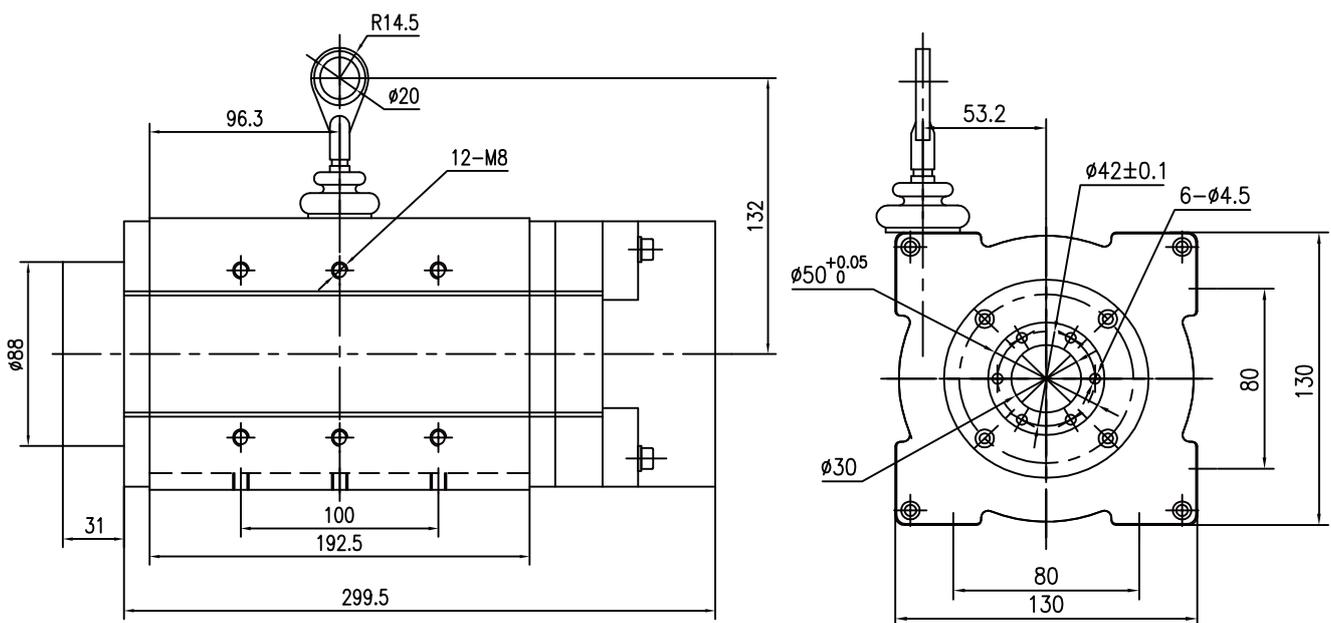
Draw Wire Mechanics EVD Series

Dimensions (mm)

Measuring 15 meter B6 flange



Measuring 20 meter B6 flange



Draw Wire Mechanics EVD Series

Order Code

