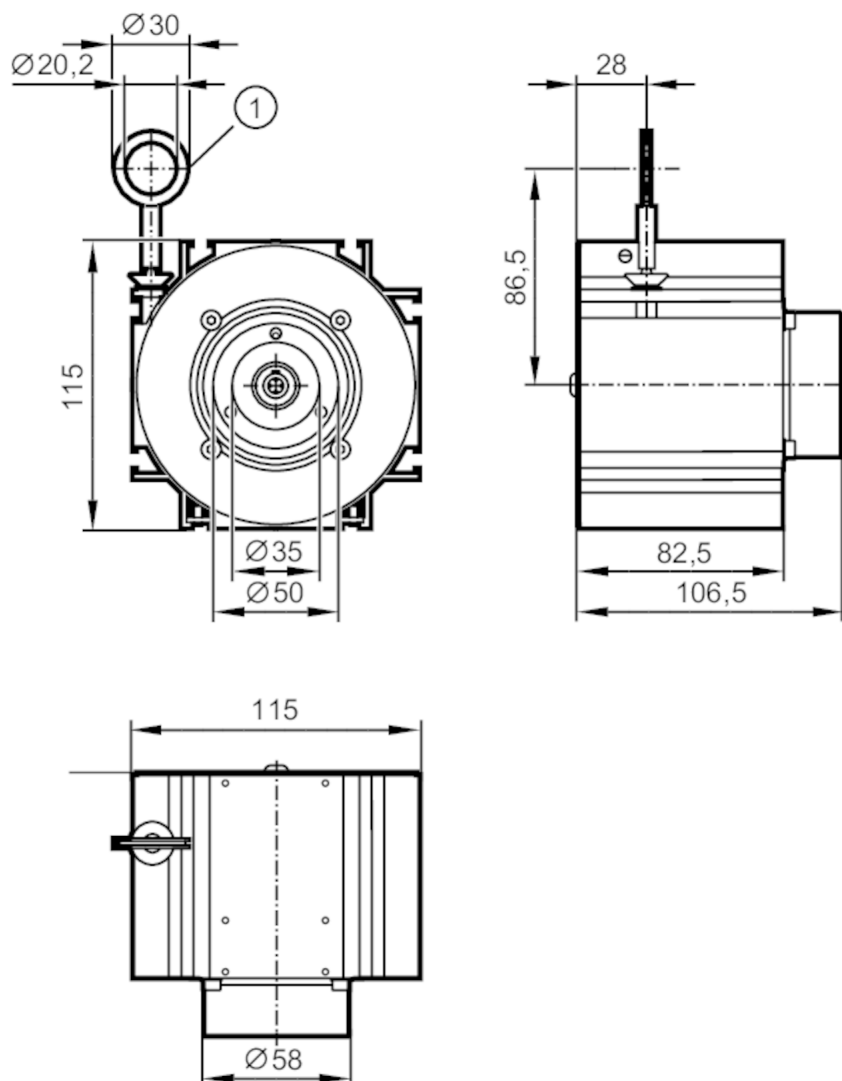


# E61442



## Draw-wire mechanism for encoders

DRAW WIRE 5000



1 eyelet 20.2 mm Ø

### Product characteristics

|                |             |   |
|----------------|-------------|---|
| Shaft design   | solid shaft |   |
| Shaft diameter | [mm]        | 6 |

### Application

|        |                                                             |  |
|--------|-------------------------------------------------------------|--|
| Design | for encoders with 58 mm synchro flange and 6 mm solid shaft |  |
|--------|-------------------------------------------------------------|--|

### Accuracy / deviations

|               |               |  |
|---------------|---------------|--|
| Accuracy      | ± 0.02 % FSO  |  |
| Repeatability | ± 0,002 % FSO |  |

### Operating conditions

|                     |      |                          |
|---------------------|------|--------------------------|
| Ambient temperature | [°C] | -20...80                 |
| Storage temperature | [°C] | -40...80                 |
| Storage humidity    | [%]  | 5...95; (non condensing) |

### Tests / approvals

|                      |             |                   |
|----------------------|-------------|-------------------|
| Shock resistance     | IEC628-2-27 | 50 g / 10 ms      |
| Vibration resistance | IEC68-2-6   | 20 g / 20..200 Hz |

# E61442



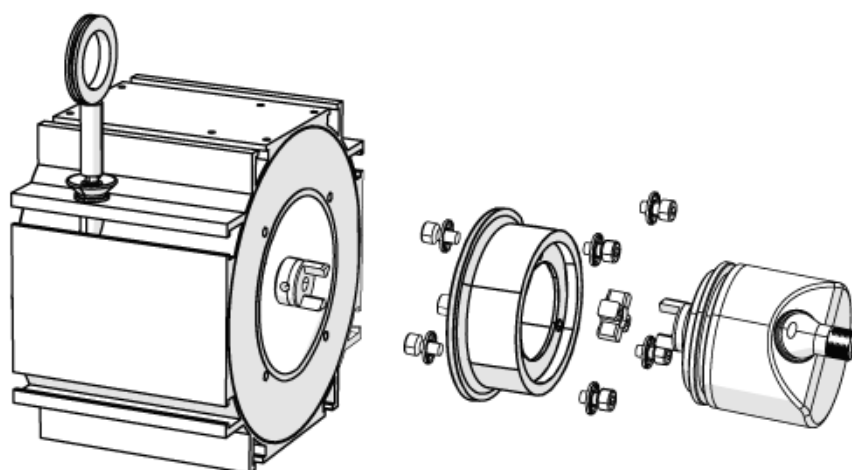
## Draw-wire mechanism for encoders

DRAW WIRE 5000

| Mechanical data         |                                 |                                                                    |    |
|-------------------------|---------------------------------|--------------------------------------------------------------------|----|
| Weight                  | [g]                             | 1842.9                                                             |    |
| Top flange diameter     | [mm]                            | 58                                                                 |    |
| Material                |                                 | housing: aluminum anodized; wire: stainless steel polyamide coated |    |
| Shaft design            |                                 | solid shaft                                                        |    |
| Shaft diameter          | [mm]                            | 6                                                                  |    |
| Max. measuring length   | [mm]                            | 5000                                                               |    |
| Wire drum circumference | [mm]                            | 315                                                                |    |
| Wire diameter           | [mm]                            | 1                                                                  |    |
| Wire connection         |                                 | 20,2; (eyelet)                                                     |    |
| Wire properties         | max. speed of wire displacement | [m /s]                                                             | 2  |
|                         | max. wire acceleration          | [g]                                                                | 5  |
|                         | max. extension force            | [N]                                                                | 16 |
|                         | min. retraction force           | [N]                                                                | 4  |
| Fixing flange           |                                 | Synchro-flange                                                     |    |

| Remarks       |        |
|---------------|--------|
| Pack quantity | 1 pcs. |

## Diagrams and graphs



Installation instruction