CDS18-MEC-20000

MECHANICAL DRAW-WIRE - MEASUREMENT RANGE 0 UP TO 20 000 MM

SPECIFICATIONS

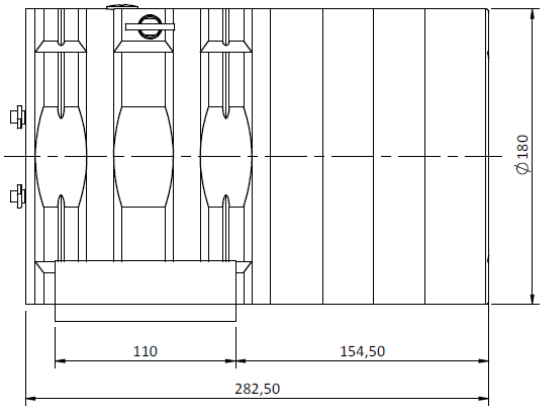
Measurement range	0 up to 20 000 mm
Circumference drum	500 mm/turn
Sensing device	Adaptable with all of our incremental or absolute encoders
Material	Body and cover - aluminum (RohS) Measuring cable - Stainless steel
Cable diameter	0,90 mm
Standard linearity	+/- 0,05% f.s. +/- 0,01% f.s. (optional)
Max. Velocity	10 m/s
Max. Acceleration	2 m/s^2 (before cable deformation)
Weight	≈ 12kg
Operating temperature	-20° to +80°C
Storage temperature	-30° to +80°C

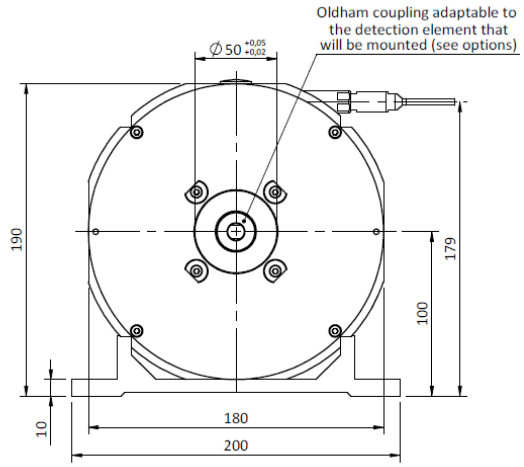
CABLE FORCES

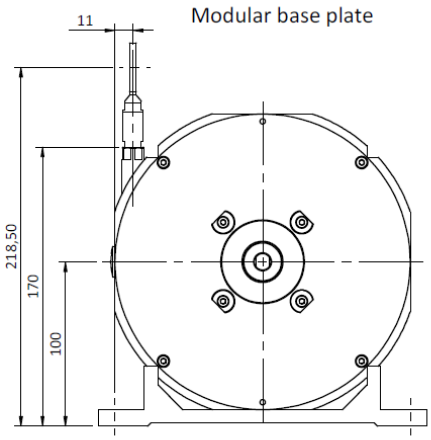
Measurement range in mm	20 000
Min. pull-out force	≈ 15,00 N
Max. pull-out force	≈ 30,00 N

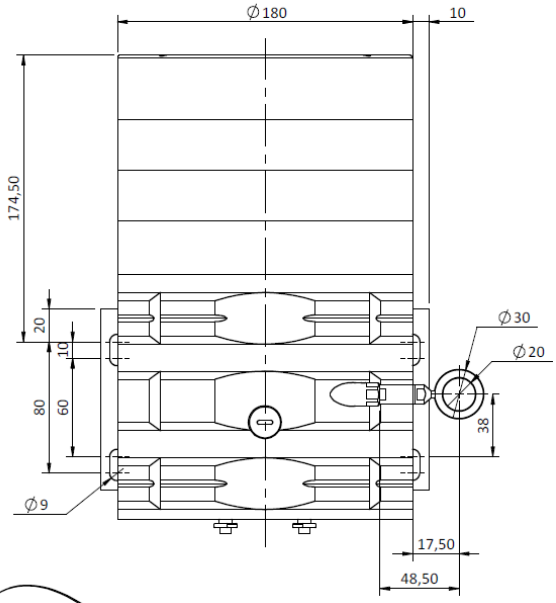
DIMENSIONS

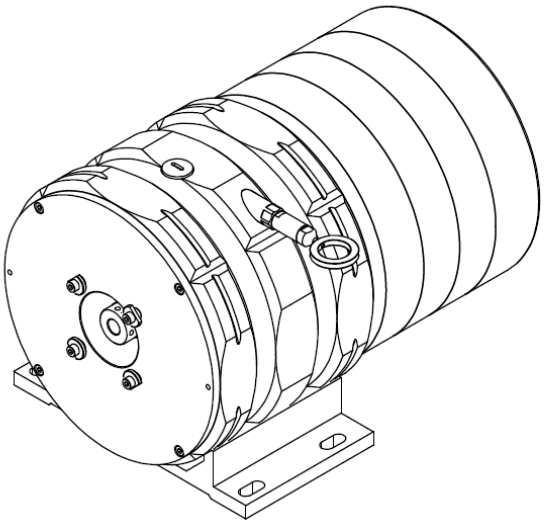
All dimensions are in mm











ORDERING REFERENCE

Example: CDS18-MEC-20000-500-L005-OP-10-AC

CDS18 - MEC - 20000 - 500 - L005 - OP - AC

Model

CDS18-MEC

Measurement range

20 000 = 0 up to 20 000 mm
(Other ranges available on demand)

Drum circumference

500 = 500 mm/turn

Linearity

L005 = +/- 0.05% f.s.
L001 = +/- 0.01% f.s. (optional)

OP Options

06 = Adapter flange for Ø58 encoder with Ø6 axis (06A for the provision of a Ø6 coupling device without flange)
10 = Adapter flange for Ø58 encoder with Ø10 axis
12 = Adapter flange for Ø90 encoder with Ø12 axis (12A for the provision of a Ø6 coupling device without flange)
AC = Complete anodizing
BR = Cleaning brush for the cable
BT = Low temperature (down to -30°C)
CP = Fixing of the measuring cable with a clevis
M6 = Fixing of the measuring cable with a M6 threaded rod
TEV = Water evacuation holes + ex. 180 for 180° holes (see the options page for further details)

For the adaptation of an encoder or other sensor device which does not belong to our range, please contact us.

AGENCY APPROVALS & CERTIFICATIONS

CE

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CONTACT US

Americas
+1 (800) 350 2727
sales.beisensors@sensata.com
Europe, Middle East & Africa
+33 (3) 88 20 8080
position-info.eu@sensata.com
Asia Pacific
sales.isasia@list.sensata.com
China +86 (21) 2306 1500
Japan +81 (45) 277 7117
Korea +82 (31) 601 2004
India +91 (80) 67920890
Rest of Asia +886 (2) 27602006 ext 2808