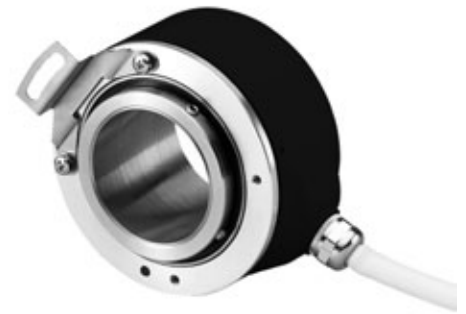


INCREMENTAL ENCODER MyInc

CINH76

- Through shaft with up to diameter 42 mm
- Short overall length with an outside diameter of only 76 mm
- Easy installation by means of clamping ring
- Operating temperature up to 100 °C
- Application e.g.:
 - motors
 - printing machines
 - lifts



Mechanical characteristics:

Speed:	at 70 °C and IP 64: 3600 RPM for Ø 15...25 at 70 °C and IP 64: 1800 RPM for Ø > 25...42 at 70 °C and IP 40: 6000 RPM for Ø 15...42 at 100 °C always: 1800 RPM for Ø 15...42
Rotor moment of inertia:	1,4 ... 42 x 10 ⁻⁶ kgm ²
Starting torque:	0,03 ... 0,10 Nm
Weight:	320-580 g
Protection acc. to EN 60 529:	IP 40 (option IP 64)
Working temperature:	-25 °C ... +100 °C
Shaft:	stainless steel
Shock resistance acc. to DIN-IEC 68-2-27:	1000 m/s ² (6 ms)
Vibration resistance acc. to IEC 68-2-6:	100 m/s ² (10 ... 2000 Hz)

Available resolutions:

50, 100, 250, 300, 500, 600, 900, 1000, 1024, 1500, 2048, 2500, 3072, 4096, 5000, 9000, 10000

Electrical characteristics:

Output circuit:	RS 422	Push-pull
Supply voltage:	5 VDC (± 10 %)	10 ... 30 VDC
Power consumption (no load)		
with inverted signals:	60 mA	60 mA
Permissible load/channel:	30 mA	30 mA
Pulse frequency:	max. 300 kHz	max. 200 kHz
Signal level high:	min. 2,5 V	min. U _B -3 V
Signal level low:	max. 0,5 V	max. 2 V
Short circuit proof outputs: ¹⁾	no	yes
Reverse connection protection at UB:	no	yes

Terminal assignment

Signal:	0V	0V Sensor	+U _B	+U _B Sensor	A	Ā	B	B̄	0	0̄	Shield ¹⁾
Cable colour:	WH/GN	VT	BN/GN	BU	BN	GN	GY	PK	RD	BK	

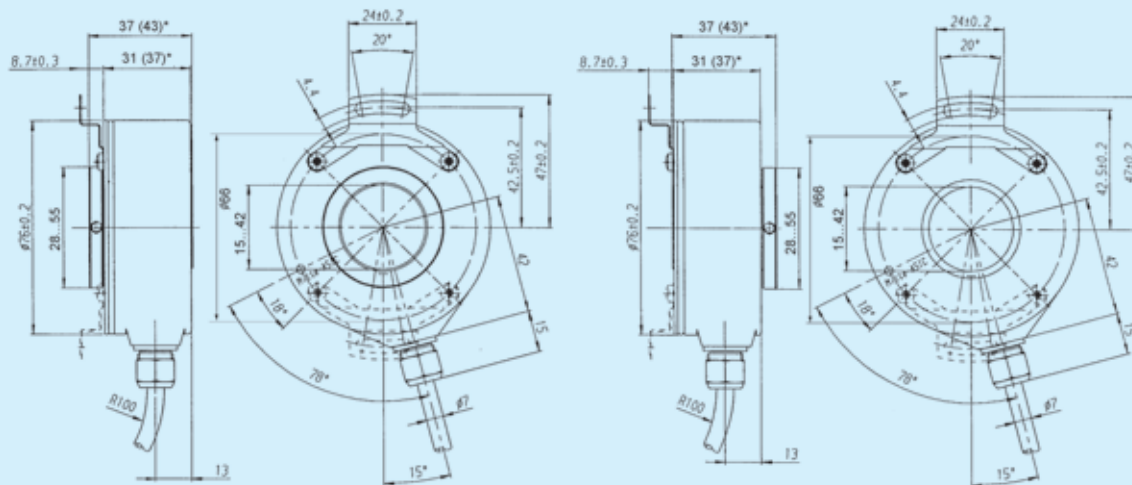
¹⁾connected to housing



Meyer Industrie-Electronic GmbH - MEYLE
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Dimensioned drawing

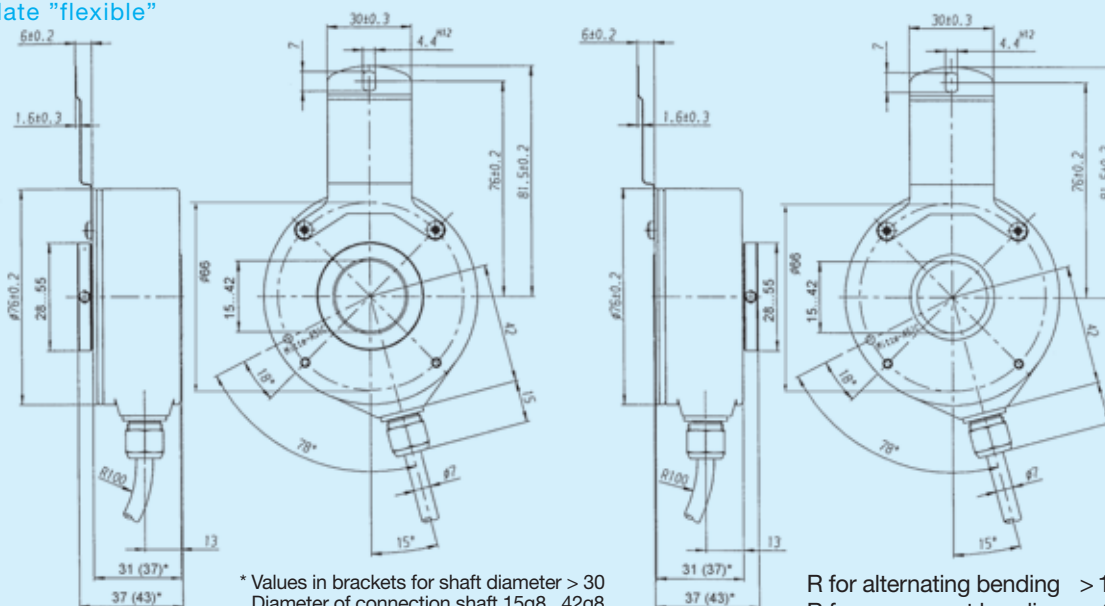
with spring plate "rigid"



* Values in brackets for shaft diameter > 30
Diameter of connection shaft 15g8...42g8

R for alternating bending > 100 mm
R for permanent bending > 40 mm

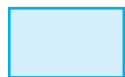
with spring plate "flexible"



* Values in brackets for shaft diameter > 30
Diameter of connection shaft 15g8...42g8

R for alternating bending > 100 mm
R for permanent bending > 40 mm

ORDERING CODE



CINH76



Mounting synchro
flange with

D = Front clamping ring
H = Rear clamping ring



Shaft
diameter¹⁾
15 ... 42
in mm



Output circuit and
supply voltage
A5 = Push-pull (with
inverted signal)
10 ... 30 V
supply voltage

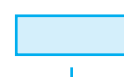
A7 = RS422 (with invert-
ed signal) + Alarm,
5 V
supply voltage



Protection
class
0 = IP 40
4 = IP 64



Spring
plate
O = without
A = flexible
N = rigid



Connection
3R = TPE-cable
radial



Resolution
10000 max.

- ¹⁾ Available with front clamping ring and IP 40: 15, 20, 24, 25, 27, 28, 30, 38, 40, 42, 50
Available with front clamping ring and IP 64: 15, 16, 18, 20, 24, 25, 27, 28, 30, 32, 38, 40, 42
Available with rear clamping ring and IP 40: 25, 28, 30, 32, 38, 40, 42
Available with rear clamping ring and IP 64: 20, 25, 30, 32, 38, 40, 42



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