

Linear measuring technology

Draw wire mechanics with encoder	Draw wire encoder C105	Measuring length max. 6 m Traverse speed max. 3 m/s
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The draw wire encoder C105 can be combined with all encoders having a size 58 synchro flange and 6 mm shaft.



Flexible and simple

- Possibility for user to exchange encoder.
- Measuring lengths 2800 mm or 6000 mm.
- Simple installation.

Order code with encoder	D 8.1	XXX	.	XX	XX	.	XXXX
	Type	a		b	c	d	e
a Measuring range 106 = 6000 mm 2A1 = 2800 mm		b Mounted encoder 2Z = 5000 04 = 5804 05 = 5805 63 = 5863 68 = 5868		c Output circuit ¹⁾		d Type of connection ¹⁾	e Resolution / pulses / protocol ¹⁾

Accessories for draw wire encoder		Order no.	
Guide pulley 		Order code for the set: - Guide pulley (anodised aluminium) - 2 x countersunk screws for lateral fixing - 2 x hexagonal screws for fixing on a flat surface	8.0000.7000.0045
Extension cable 		Steel wire 2 m [6.56'] Steel wire 5 m [16.40'] Steel wire 10 m [32.81'] Paraleine 2 m [6.56']	8.0000.7000.0033 8.0000.7000.0034 8.0000.7000.0035 8.0000.7000.0032

1) These data depend on the chosen encoder.

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with encoder**

Draw wire encoder C105

**Measuring length max. 6 m
Traverse speed max. 3 m/s**

Technical data

Mechanical characteristics

Measuring range	2800 mm / 6000 mm
Traversing speed	max. 3000 mm/s
Extension force F_{min}	8 N
Repeat accuracy	±0.15 mm
Working temperature	-20°C ... +80°C [-4°F ... +176°F]
Weight	approx. 700 g [24.69 oz]
Drum circumference	200 mm
Wire	2800 mm paraleine– with \varnothing 1.05 mm 6000 mm steel wire – with \varnothing 0.54 mm

For the electrical characteristics as well as for the terminal assignment, please refer to the data sheet of the encoder used.

Dimensions

Dimensions in mm [inch]

