

Accessories

Encoders	Connection of motor and encoder	Bellows couplings (FS)
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Bellows couplings provide cost-effective connection of the motor and encoder. They are also able to correct any angular errors between the drive and encoder.

These bellows couplings (FS) are used for safe connection of applications and Sendix SIL encoders.

The safety-oriented bellows coupling has, in addition to the metallic bellows, internal claws that ensure the driving of the encoder in case of breakage of the bellows connection.

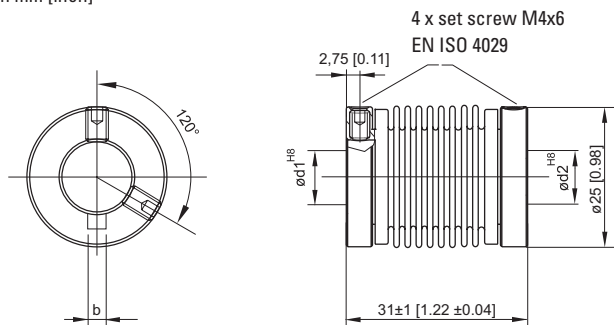
Order code	8.0000	. 1	X	FS	. XX	XX
Couplings	Type	a	b	c		
a Type of coupling	5 = bellows coupling ø 25 mm [0.98"]					
b Bore diameter d1	(see technical data)					
c Bore diameter d2	(see technical data)					
Example:	d1 = 10 mm and d2 = 12 mm Order No. = 8.0000.15FS.1012					

Accessories	Order no.
Screw retention	Loctite 243, 5 ml
	8.0000.4G05.0000

Technical data	
Mechanical characteristics	
Max. speed	10000 min ⁻¹
Max. torque	200 Ncm
Max. shaft offset	radial ± 0.3 mm axial ± 0.45 mm angular ± 3°
Torsion spring stiffness	183 Nm/rad
Radial spring stiffness	17.8 N/mm
Moment of inertia	9.1 gcm ²
Headless set screw tightening torque	min. 80 Ncm max. 100 Ncm
Working temperature range	
Working temperature range	-30°C ... +120°C [-22 ... +248°F]
Weight approx.	
Weight approx.	54 g
Material	
flange	stainless steel 1.4104
bellows	stainless steel 1.4571
Standard bore diameter	
(d1 / d2)	10 / 10 mm [0.39 / 0.39"] 10 / 12 mm [0.39 / 0.47"] 12 / 12 mm [0.47 / 0.47"]
Insertion depth	
min.	6 mm [0.24"]
max.	11 mm [0.43"]

Dimensions

Dimensions in mm [inch]



Nut DIN 6885

nut width b	d1 / d2
3 [0.12]	10 [0.39]
4 [0.16]	12 [0.47]

