



SELF-LUBRICATING SINTERED BEARINGS

Standard Dimensions

Now also in
Bronze 90/10
(Cu-10%Sn)

Complies with the Directives:

SINT A 50 (according DIN 30910-3:2004-11)

FU-E10-64 (according AFNOR NF ISO 5755, A95-771)

C-T10-K140 (according ISO 5755:2022)

C-T10-K140 (according UNE 96002:2023)

CT-1000 (according MPIF Std 35:2020)



All sizes from the **SELF OIL**® catalogue,
now also available in Bronze 90/10
(Cu-10%Sn) in permanent stock
and immediate delivery



Ctra. Laureà Miró, 388
08980 SANT FELIU DE LLOBREGAT
(Barcelona) Spain

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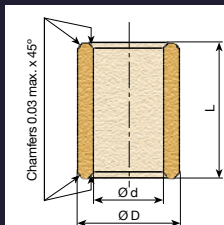
www.selfoil.com
info@selfoil.com

SELF-LUBRICATING SINTERED BEARINGS

Standard Dimensions



AVAILABLE PRODUCTS

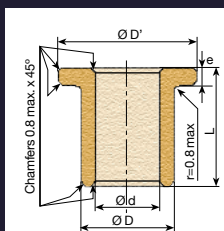


Designation (reference for orders)

A cylindrical bronze bearing of 25 mm inner diameter, 30 mm outer diameter and 35 mm length, is designated as:

SELFOIL® Bearing AN-25-30-35

(letter AN indicates bronze cylindrical bearing)

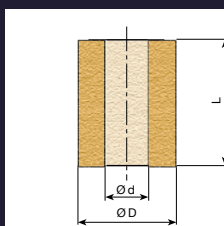


Designation (reference for orders)

A cylindrical bronze bearing with flange of 16 mm inner diameter, 20 mm outer diameter and 25 mm length, is designated as:

SELFOIL® Bearing BN-16-20-25/24-2

(letter BN indicates bronze cylindrical bearing with flange, and values 24-2 correspond to the flange diameter and thickness)



Designation (reference for orders)

A solid bronze rod of 25 mm diameter and 50 mm length is designated as:

SELFOIL® Rod TN-25-50

(letter TN indicates bronze rod for machining)

TECHNICAL CHARACTERISTICS

	SELFOIL®		SELFOIL® High Performance	
Material	Sintered Bronze 90/10 (Cu-10%Sn), type C-T10-K140 according to ISO 5755:2023 standard			
Oil	Mineral parafínico Ames-01 de viscosidad ISO VG 68		Mineral parafínico Ames-02, con mayor capacidad de carga a altas presiones o bajas velocidades, y mejor comportamiento en arranque-paro	
Maximum load (MPa)	Shaft speed (m/s)			
	< 0.25 or oscillanting movement	0.25 - 0.50		0.50 - 5.00
	10	3.5		2.5
Working temperature (°C)	-20 to +120			
Dimensional tolerances	Tolerances according to ISO 2795 standard (see tables of dimensions)			
Properties		Typical	Minimum	Maximum
	Density (g/cm³)	—	6.4	6.8
	Oil content (%)	—	19	—
	Total porosity (%)	22	—	—
	Radial crushing strength (MPa)	170	140	—
	Hardness (HB)	35	—	—

Designed and manufactured by **AMES** in Spain (EU)
ISO 9001 – ISO 14001 certified

SELFOIL® complies with the European Directives:
ELV (2000/53/EC) RoHS (2011/65/EU)



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