

Blank Material for Oilless Bushing

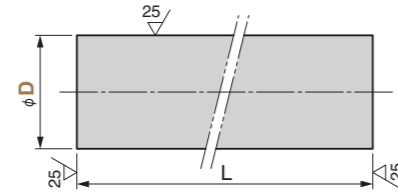
Growing Cast Iron Type



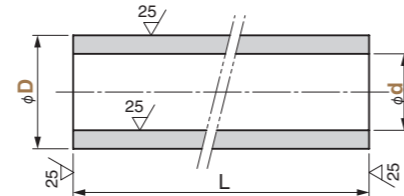
S30 (SO#30:Growing Cast Iron)



●Round Bar



●Pipe



■ S30 (SO#30 : Growing Cast Iron Type)

It has excellent wear resistance and seizure resistance of casting, and it is the oil impregnated bearing that has internal porosity by repeated composition adjustment and heat treatment in the porosity.

■ Features

- Less noise owing to porous structure.
- High dimensional stability due to uniform material quality.

■ Application

- Where reduction in oil lubrication is desired.
- Where reduction in vibration and sliding noise is desired.

■ Operation Range

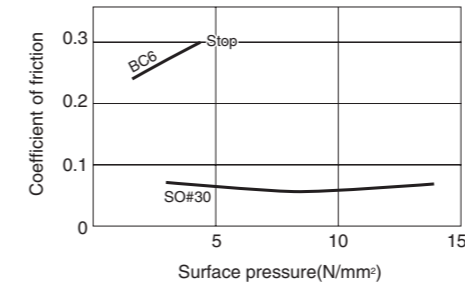
Type	Lubricating Condition	Environment Condition	Max. Allowable Load P N/mm ²	Max. Allowable Sliding Speed V m/min	Max. Allowable PV value N/mm ² · m/min	Operation Range Temperature °C
SO#30	Regular lubrication	Atmosphere	10	60	75	-40 ~ +100

■ Physical Properties

Type	Specific Gravity	Hardness HB	Tensile Strength N/mm ²	Linear Expansion Coefficient ×10 ⁻⁵ /°C	Thermal conductivity W/(m · K)	Modules of longitudinal elasticity kN/mm ²
SO#30	6.3 ~7.0	80 *	70 *	1.0 ~1.2	35 ~58	50 ~70

Numbers shown are just average.

■ Friction characteristics



● Drive Condition

No lubrication, Intermittent rotation
Speed V = 5m/min

■ S30 (SO#30 : Growing Cast Iron Type)

L	Catalog No.	D
		16
		21
		26
		31
		36
200	Round Bar Type	41
	S30	46
		51
		56
		61
		66
		71

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L	Catalog No.	d	D
		29	43
		39	56
		49	66
		59	76
200	Pipe Type	59	86
	S30	69	91
		79	96
		89	101
		89	121
		99	126
		99	141

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