ASEC Products
Marketing 17
6921 RE Duiven
The Netherlands
T. +31 316 84 44 01
info@asecproducts.com
www.asecproducts.com

Datasheet TEMX3X



TEMX3X boundary lubrication bearings are based on a composite material with 3 layers firmly bonded together. Steel as the support layer, sintered porous bronze powder as the intermediate layer and modified POM as the liner layer. TEMX3X performs well under low-speed, heavy load and normal temperature operating conditions. TEMX3X is cost-effective and it has a longer service life when acting as a replacement for normal copper tubing. TEMX3X is widely applied in auto chassis, forging machinery, metallurgical and mining equipment, construction machinery, power plant, strip rolling industries etc.

Application

Material

Steel backing, sintered bronze and POM liner.

Availablity

	Value	Unit
Inside diameter	on request	
Outside diameter	on request	
Flange diameter	on request	
Flange height	on request	
Total length	on request	

The information in this datasheet is provided for general purposes only and not meant to be a specific recommendation for any individual application. All values were determined under laboratory conditions. ASEC Products is not directly neither indirectly responsible for any claim resulting from the use of any information provided in this datasheet.
ASEC Products 2022 ©.

ASEC Products
Marketing 17
6921 RE Duiven
The Netherlands
T. +31 316 84 44 01
info@asecproducts.com
www.asecproducts.com

TEMX3X - Specifications

Physical properties

	Test standard	Value	Unit

Mechanical properties

	Test standard	Value	Unit
Compressive strength static		on request	
Module of elasticity - Youngs modulus		on request	
Tensile strength		on request	
Shear strength		on request	
Impact strength		on request	
Hardness		on request	
Dynamic load capacity		70	MPa
Speed limit v max dry		2,5	m/s

Thermal properties

	Test standard	Value	Unit
Min. working temperature		-40	°C
Max. working temperature		130	°C
Intermittent working temperature		on request	

Friction properties

	Test standard	Value	Unit
Coefficient of friction dynamic	pin-on-ring/dry against steel	0.05-0.25	[-]
Max. sliding speed		2,5	m/s
Max. Pv-load dry	pin-on-ring	22	MPa*m/s
Max. Pv-load oil lubricated		on request	
Max. Pv-load on regular greased		on request	

Electrical properties

	Test standard	Value	Unit

The information in this datasheet is provided for general purposes only and not meant to be a specific recommendation for any individual application. All values were determined under laboratory conditions. ASEC Products is not directly neither indirectly responsible for any claim resulting from the use of any information provided in this datasheet.
ASEC Products 2022 ©.