

# LUMET - TURNED SOLID SLIDING BUSHINGS



## LUMET - Turned solid plain bearings made of solid brass with turned-in oil grooves.

Bushings from the turned solid sliding bushing product range are made of solid brass with turned-in oil grooves. Due to their greater load-bearing capacity, longer service life and higher base hardness, these bushings are mainly used at low speeds.


This includes, for example, applications in gearboxes, booms or gripper arms.



## LUMET-1U

LUMET-1U machined solid sliding bushings are made of solid brass with machined oil grooves. Due to their higher load capacity, good corrosion resistance, longer service life and


higher basic hardness, machined solid sliding bushings are mainly used at low speeds. The LUMET-1U sliding bushings are currently used primarily in gearboxes, jibs or gripper arms.

Profile	Design	Base material	Density	Hardness HB	Elongation %	Yield point N/mm <sup>2</sup>	Tensile strength N/mm <sup>2</sup>
	LUMET-1U	CuZn24Al6/ CuZn25Al6Mn4Fe3	8	>210	>12	>450	>750

## LUMET-1U SH1

LUMET 1U-SH1 is a CuSn5Pb5Zn5 alloy offering excellent running-in and emergency running properties as well as high wear and corrosion resistance. It is suitable for medium loads


at low to medium sliding speeds and is often used in general mechanical engineering for sliding bushings under medium pressures.

Profile	Design	Base material	Density	Hardness HB	Elongation %	Yield point N/mm <sup>2</sup>	Tensile strength N/mm <sup>2</sup>
	LUMET-1U SH1	CuSn5Pb5Zn5	8.9	>70	>15	>90	>200

## LUMET-1U SH2

LUMET 1U-SH2 is an aluminium bronze CuAl10Ni5Fe5 with very high strength, excellent fatigue and corrosion resistance, and good thermal conductivity. It is ideal for highly loaded


plain bearings and is preferred for use in pumps, shipbuilding, and offshore and marine applications.

Profile	Design	Base material	Density	Hardness HB	Elongation %	Yield point N/mm <sup>2</sup>	Tensile strength N/mm <sup>2</sup>
	LUMET-1U SH2	CuAl10Ni5Fe5	7.8	>150	>10	>260	>600

## LUMET-1U SH3

LUMET 1U-SH3 is a tin bronze CuSn12 that offers a balanced combination of strength and toughness. It offers good wear and corrosion resistance as well as reliable emergency


running properties and is suitable for static and alternating loads, for example in hydraulic, mechanical engineering and agricultural applications.

Profile	Design	Base material	Density	Hardness HB	Elongation %	Yield point N/mm <sup>2</sup>	Tensile strength N/mm <sup>2</sup>
	LUMET-1U SH3	CuSn12	8.9	>95	>8	>150	>260

## LUMET-1U SH4

This is a tin-lead bronze CuSn10Pb10 with pronounced emergency running properties and very good sliding behaviour even with insufficient lubrication. The alloy shows a low tendency to seize or cold weld, has high damping


properties and is particularly suitable for shock-loaded bearings, oscillating movements and applications in construction and conveyor machines.

Profile	Design	Base material	Density	Hardness HB	Elongation %	Yield point N/mm <sup>2</sup>	Tensile strength N/mm <sup>2</sup>
	LUMET-1U SH4	CuSn10Pb10	8.9	>75	>8	>100	>210

## LUMET-1U SH5

LUMET 1U-SH5 is a high-strength aluminium-manganese bronze CuZn25Al6Fe3Mn4 that impresses with its exceptional strength and hardness, even under extreme loads. It offers excellent corrosion resistance, even in seawater, as well as

high resistance to cavitation and erosion. Areas of application include heavy-duty bearings, propeller bushings and heavily stressed offshore components.

Profile	Design	Base material	Density	Hardness HB	Elongation %	Yield point N/mm <sup>2</sup>	Tensile strength N/mm <sup>2</sup>
	LUMET-1U SH5	CuZn25Al-6Fe3Mn4	8	>250	>8	>450	>800