



LS600-Turned bearings of bronze alloys

Material:

Turned bearings and bearing components can be supplied of many different copper-based materials. Different standard materials can be seen on the table below. In addition to these materials many other copper-based alloys can be supplied.

Bearing design:

Turned bearings are always produced according to customer drawings. Therefore, both material and bearing design can be produced for the demands of the bearing situation. Tolerances, grease grooves, grease holes and chamfers will be produced according the bearing conditions.

Material composition %	LS600	LS600S1	LS600S2	LS600S3	LS600S4
Cu	62-68	85	80	88	80
Sn		5		12	10
Pb		5			10
Zn	Rest	5			
Ni			5		
Al	5-7,5		10		
Fe	2-4		5		
Mn	2,5-5				
Properties					
Yield point N/mm ²	>450	>90	>260	>150	>100
Tensile strenght N/mm ²	>750	>250	>500	>270	>210
Max loadN/mm ²	100	60	50	70	60
Max speed m/min	15	10	20	10	10
Density	8,0	8,8	7,6	8,8	8,9
Hardness HB	>210	>70	>150	>95	>75
Temperature range	-40/+300°C	-100/+400°C	-100/+400°C	-100/+400°C	-100/+400°C

Delivery possibilities:

- Cylindrical bearings, flanged bearings, bearing halves
- Thrust washers, rails, plates