

Item description/product images



Description

Material:

Zinc ZnAl4Cu1.

Version:

Cast, straight teeth. Engagement angle 20°. Axis angle = 90°. Bright. Machined bore.

Note:

Bevel gears are supplied singly. To obtain a pair of bevel gears, please order the specified mating gear as well.

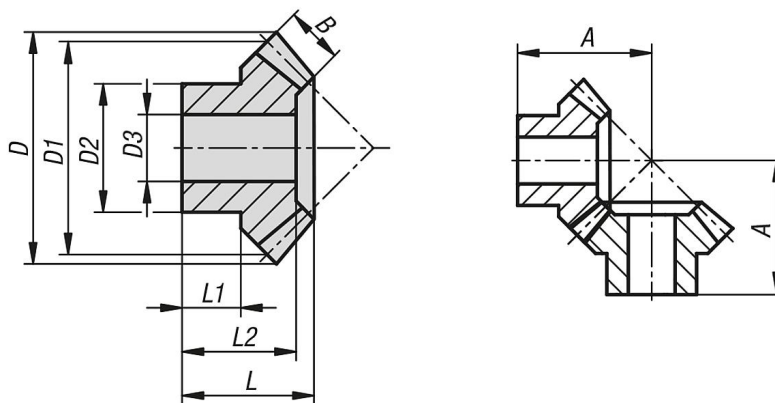
Temperature range:

Zinc bevel gears can only be used up to a maximum of temperature of +100°C under load.

Note:

The torques specified in the tables relate exclusively to the toothings. The shaft diameter, key size, etc. are not taken into account. The permissible load calculations are based on the basic principles of the pitting load capacity of the tooth flanks as well as the occurring tooth root stress. The respective permissible load of a gear wheel depends on so many different factors that the values specified can only be reference values meant to make selection easier. The torque specifications relate to a single tooth. The overlap, which is essential for determining the transmissible torque, occurs depending on the pitch diameter, gear wheel pairing, etc. In the simplest straight tooth cases, an overlap ratio of 1.1 to 1.25 is normal. To increase the overlap, a higher number of teeth with smaller modules is used. A good profile overlap can minimise damage such as pitting.

Drawings



Overview of items

| Order No. | Transmission ratio | Module | No. of teeth | A | B | D | D1 | D2 | D3 | L | L1 | L2 | Max. torque Ncm | matching opposing gear |
|----------------|--------------------|--------|--------------|------|------|------|----|----|----|------|------|------|-----------------|------------------------|
| 22433-05110016 | 1:1 | 1 | 16 | 17,9 | 4,5 | 17,3 | 16 | 12 | 6 | 13 | 7,5 | 13 | 21,8 | 22433-05110016 |
| 22433-15110016 | 1:1 | 1,5 | 16 | 25,2 | 6,9 | 26 | 24 | 19 | 8 | 18,6 | 10,7 | 17 | 73,1 | 22433-15110016 |
| 22433-20110016 | 1:1 | 2 | 16 | 30 | 9,6 | 34,8 | 32 | 23 | 10 | 21,3 | 10 | 19,2 | 185,7 | 22433-20110016 |
| 22433-25110016 | 1:1 | 2,5 | 16 | 36,2 | 12,3 | 43,3 | 40 | 26 | 12 | 25,5 | 12 | 23 | 357 | 22433-25110016 |
| 22433-30110016 | 1:1 | 3 | 16 | 42,7 | 14 | 52,3 | 48 | 30 | 14 | 29,3 | 13 | 26 | 576,8 | 22433-30110016 |
| 22433-35110016 | 1:1 | 3,5 | 16 | 49,4 | 15,5 | 61,4 | 56 | 34 | 16 | 33,2 | 14 | 29,2 | 898,9 | 22433-35110016 |

Overview of items
