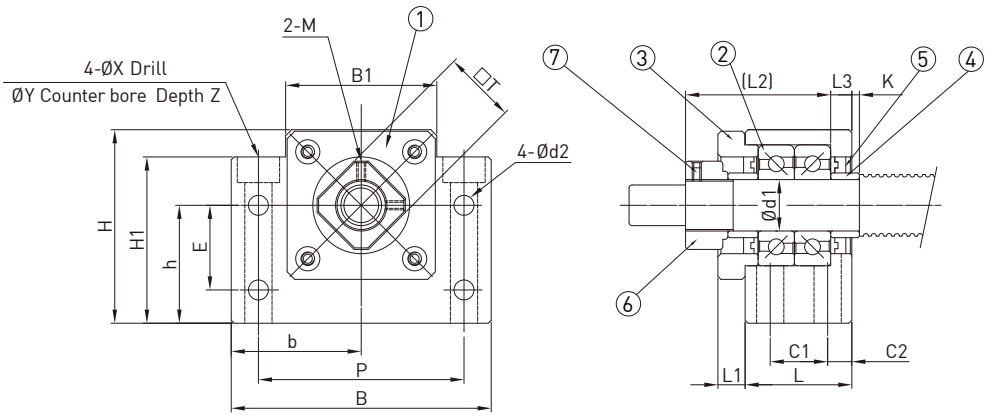
Datasheet

AXISCRAFT - Fixed bearing for ballscrew, bore d = 12 mm - BK/FK

BK12-C5

BK12-C5 | Block-type fixed-end support unit



Component identification

No.	Component	Qty
1	Housing	1
2	Angular-contact ball bearing	1 set
3	Holding lid	1
4	Collar	2
5	Seal	2
6	Set screw	1
7	Hexagon socket-head setscrew with set piece	2

Configuration

Support position	**Fixed-end / locating**
Bearing set	**7001A (30° contact)**
Bearing precision	**P5; C5 support grade**
Arrangement / preload	**DF; preloaded pair**
Lubrication	**No. 2 Li/Ca soap grease**
Standard surface	**Blackened**
Dimensional accuracy	**b / h: ±0.02 mm**
Support assembly mass	**0.45 kg**



Axial load ratings

Axial load limit

2.1 kN

Basic dynamic axial rating Ca

6.9 kN

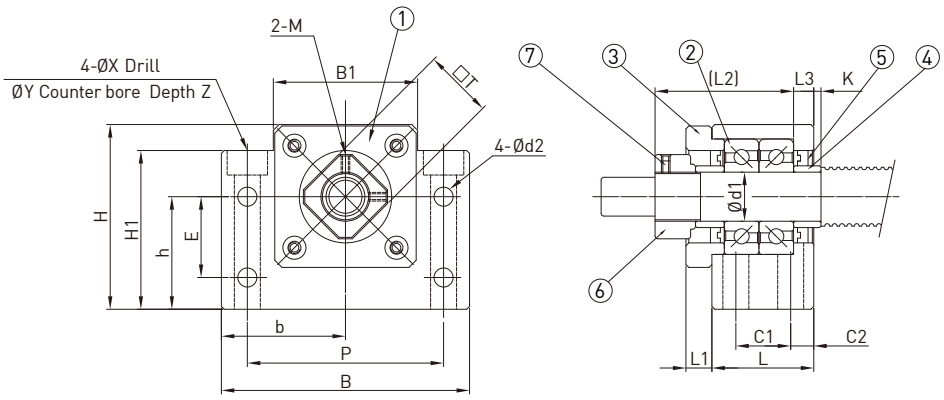
Axial load limit and basic dynamic rating are distinct catalogue parameters.

Datasheet

AXISCRAFT - Fixed bearing for ballscrew, bore d = 12 mm - BK/FK

BK12-C5

Dimensions and mounting details



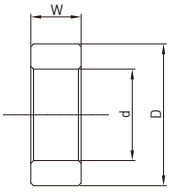
Dimensional specification

Dimension	Value
d1 - bearing bore	**12 mm**
L	**25 mm**
L1	**5 mm**
L2	**29.5 mm**
L3	**5 mm**
K	**0.5 mm**
B - body width	**60 mm**
H - overall height	**43 mm**
b	**30 mm**
h - centre height	**25 mm**
B1	**34 mm**

Dimension	Value
H1	**32.5 mm**
E	**18 mm**
P	**46 mm**
C1	**13 mm**
C2	**6 mm**
d2	**5.5 mm**
X - drilled diameter	**6.6 mm**
Y - counterbore dia.	**10.8 mm**
Z - counterbore depth	**1.5 mm**
M - thread	**M4**
T	**19 mm**

Component details

Locking collar



Parameter	Value
Bore diameter d	**12 mm**
Outer diameter D	**15.5 mm**
Collar width W	**5.5 mm**

Quantity in assembly: 2 pcs

Technical notes

All dimensions in millimetres. Drawings are not to scale.

Collar material, hardness and surface treatment are not specified.

Selection guide: ballscrew diameter 14-18 mm; bearing bore d = 12 mm.