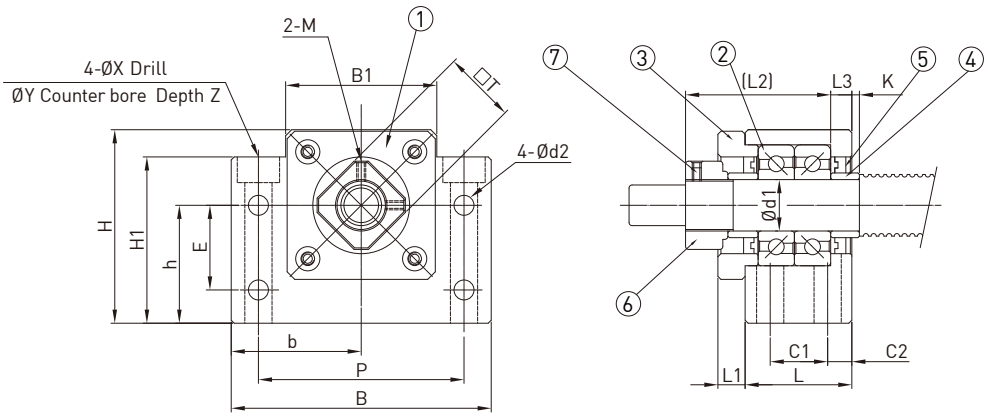
Datasheet

AXISCRAFT - Fixed bearing for ballscrew, bore d = 15 mm - BK/FK

BK15-C5

BK15-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	**7002A (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	**0.6 kg**



Axial load ratings

Axial load limit

2.4 kN

Basic dynamic axial rating Ca

7.3 kN

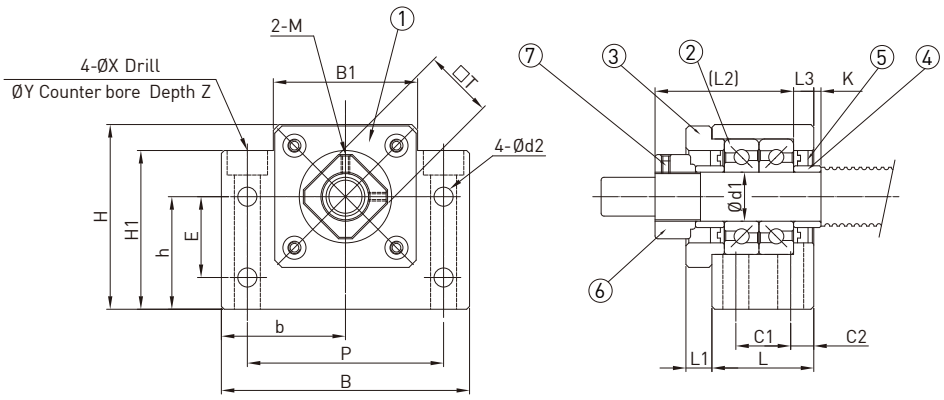
Axial load limit and basic dynamic rating are distinct catalogue parameters.

Datasheet

AXISCRAFT - Fixed bearing for ballscrew, bore d = 15 mm - BK/FK

BK15-C5

Dimensions and mounting details



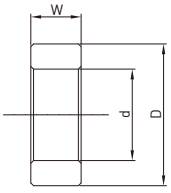
Dimensional specification

Dimension	Value
d1 - bearing bore	**15 mm**
L	**27 mm**
L1	**6 mm**
L2	**32 mm**
L3	**6 mm**
K	**0 mm**
B - body width	**70 mm**
H - overall height	**48 mm**
b	**35 mm**
h - centre height	**28 mm**
B1	**40 mm**

Dimension	Value
H1	**38 mm**
E	**18 mm**
P	**54 mm**
C1	**15 mm**
C2	**6 mm**
d2	**5.5 mm**
X - drilled diameter	**6.6 mm**
Y - counterbore dia.	**11 mm**
Z - counterbore depth	**6.5 mm**
M - thread	**M4**
T	**22 mm**

Component details

Locking collar



Parameter	Value
Bore diameter d	**15 mm**
Outer diameter D	**19.7 mm**
Collar width W	**6 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 20 mm; bearing bore d = 15 mm.