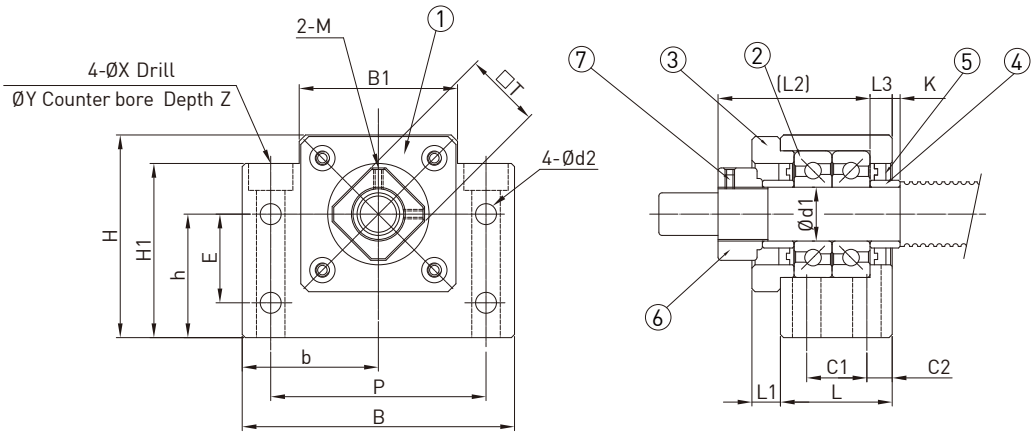
Datasheet

AXISCRAFT - Fixed bearing for ballscrew, bore d = 10 mm - BK/FK

BK10-C5

BK10-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	**7000A (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	**0.4 kg**



Axial load ratings

Axial load limit

1.9 kN

Basic dynamic axial rating Ca

6.4 kN

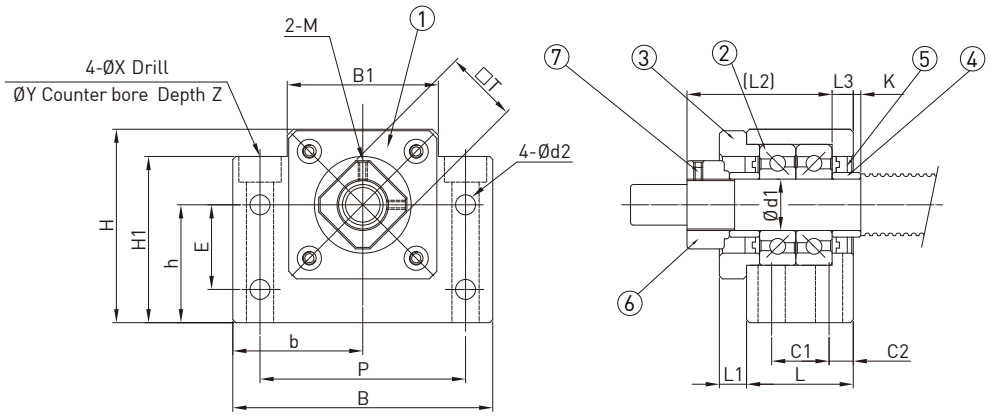
Axial load limit and basic dynamic rating are distinct catalogue parameters.

Datasheet

AXISCRAFT - Fixed bearing for ballscrew, bore d = 10 mm - BK/FK

BK10-C5

Dimensions and mounting details



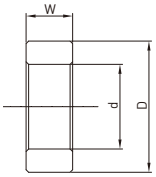
Dimensional specification

Dimension	Value
d1 - bearing bore	10 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	39 mm
b	30 mm
h - centre height	22 mm
B1	34 mm

Dimension	Value
H1	32.5 mm
E	15 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	5 mm
M - thread	M3
T	16 mm

Component details

Locking collar



Parameter	Value
Bore diameter d	10 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 10-15 mm; bearing bore d = 10 mm.