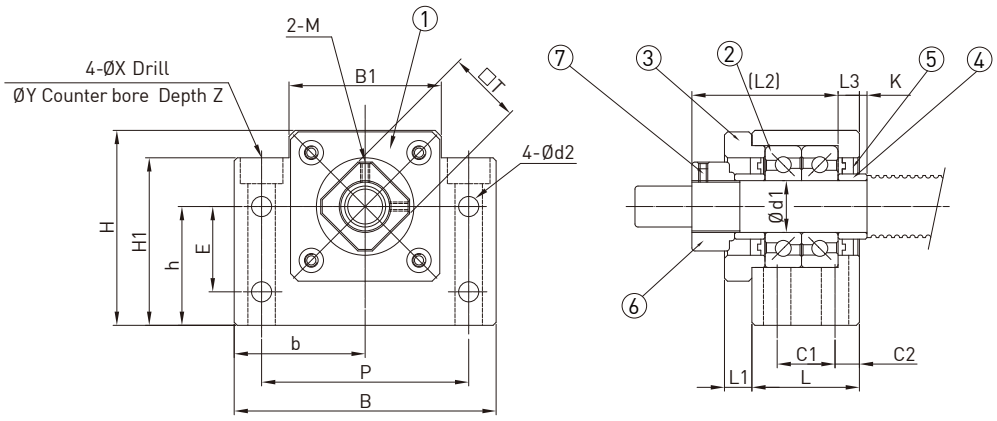
Datasheet

AXISCRAFT - Fixed bearing for ballscrew, bore d = 30 mm - BK/FK

BK30-C5

BK30-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	**7206A (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	**3.4 kg**



Axial load ratings

Axial load limit

9.8 kN

Basic dynamic axial rating Ca

26.8 kN

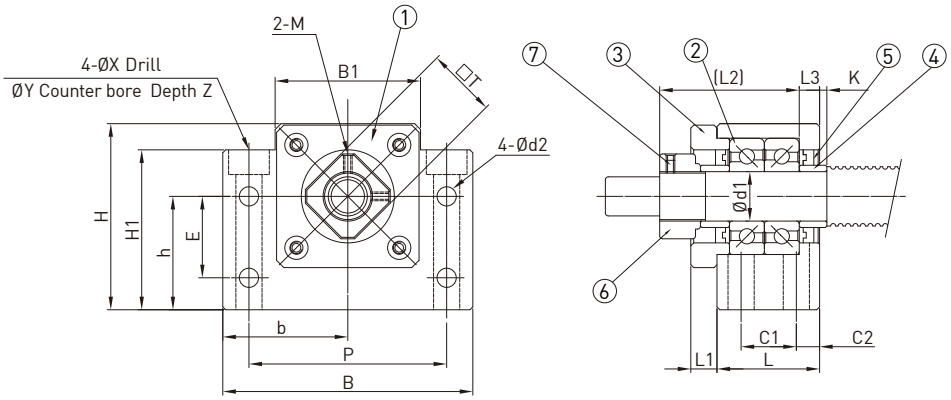
Axial load limit and basic dynamic rating are distinct catalogue parameters.

Datasheet

AXISCRAFT - Fixed bearing for ballscrew, bore d = 30 mm - BK/FK

BK30-C5

Dimensions and mounting details



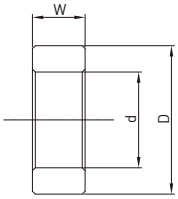
Dimensional specification

Dimension	Value
d1 - bearing bore	**30 mm**
L	**45 mm**
L1	**14 mm**
L2	**61 mm**
L3	**9 mm**
K	**0 mm**
B - body width	**128 mm**
H - overall height	**89 mm**
b	**64 mm**
h - centre height	**51 mm**
B1	**76 mm**

Dimension	Value
H1	**78 mm**
E	**33 mm**
P	**102 mm**
C1	**23 mm**
C2	**11 mm**
d2	**11 mm**
X - drilled diameter	**14 mm**
Y - counterbore dia.	**20 mm**
Z - counterbore depth	**13 mm**
M - thread	**M6**
T	**40 mm**

Component details

Locking collar



Parameter	Value
Bore diameter d	**30 mm**
Outer diameter D	**37.5 mm**
Collar width W	**9 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 40 mm; bearing bore d = 30 mm.