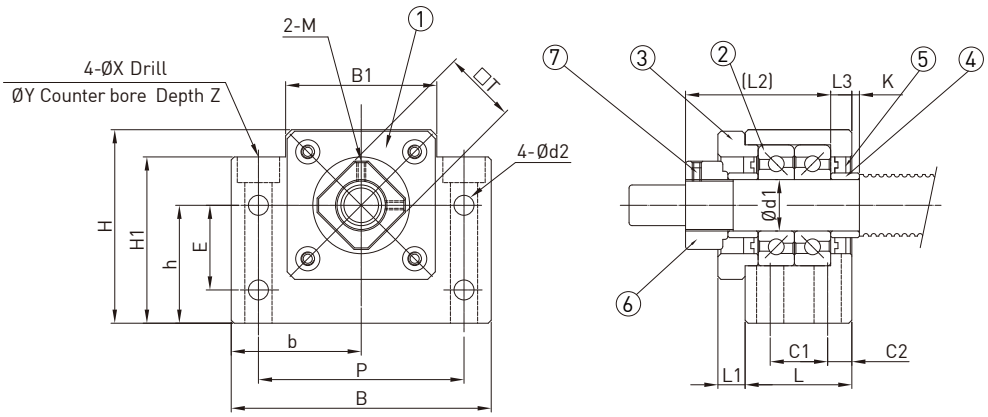
Datasheet

AXISCRAFT - Fixed bearing for ballscrew, bore d = 20 mm - BK/FK

BK20-C5

BK20-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	**7004A (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: standard bearing tolerance**
Support assembly mass	**1.3 kg**



Axial load ratings

Axial load limit

4.2 kN

Basic dynamic axial rating Ca

12.9 kN

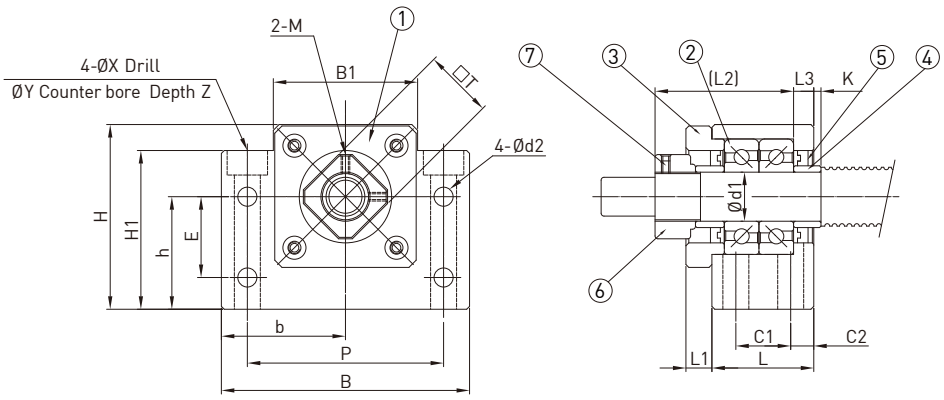
Axial load limit and basic dynamic rating are distinct catalogue parameters.

Datasheet

AXISCRAFT - Fixed bearing for ballscrew, bore d = 20 mm - BK/FK

BK20-C5

Dimensions and mounting details



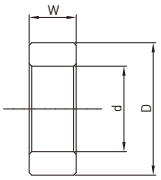
Dimensional specification

Dimension	Value
d1 - bearing bore	20 mm
L	35 mm
L1	8 mm
L2	43 mm
L3	8 mm
K	0 mm
B - body width	88 mm
H - overall height	60 mm
b	44 mm
h - centre height	34 mm
B1	52 mm

Dimension	Value
H1	50 mm
E	22 mm
P	70 mm
C1	19 mm
C2	8 mm
d2	6.6 mm
X - drilled diameter	9 mm
Y - counterbore dia.	14 mm
Z - counterbore depth	8.5 mm
M - thread	M4
T	30 mm

Component details

Locking collar



Parameter	Value
Bore diameter d	20 mm
Outer diameter D	25.5 mm
Collar width W	8 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 25-28 mm; bearing bore d = 20 mm.