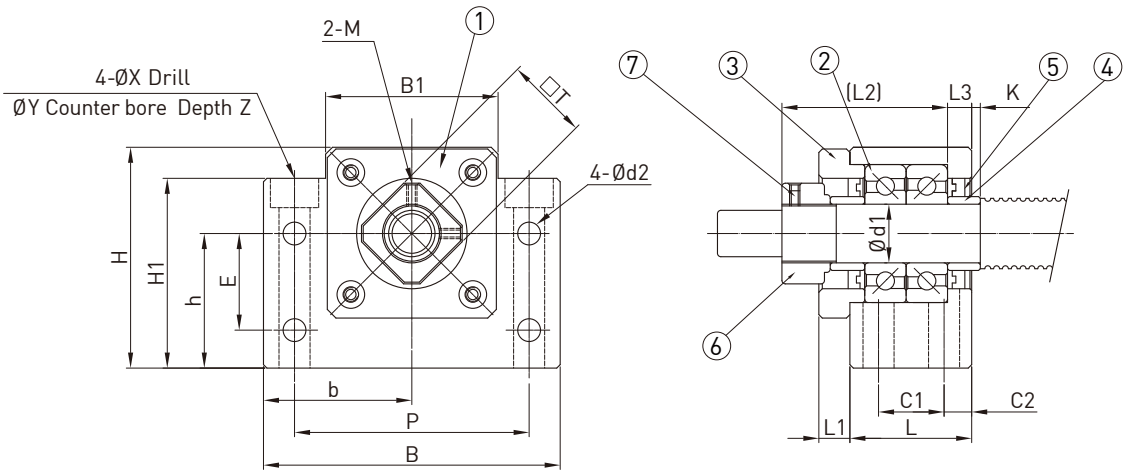
Datasheet

AXISCRAFT - Fixed bearing for ballscrew, bore d = 40 mm - BK/SFA

BK40-C5

BK40-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	**7208B (40 deg. 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	**6.8 kg**



Axial load ratings

Axial load limit

18.0 kN

Basic dynamic axial rating Ca

44.0 kN

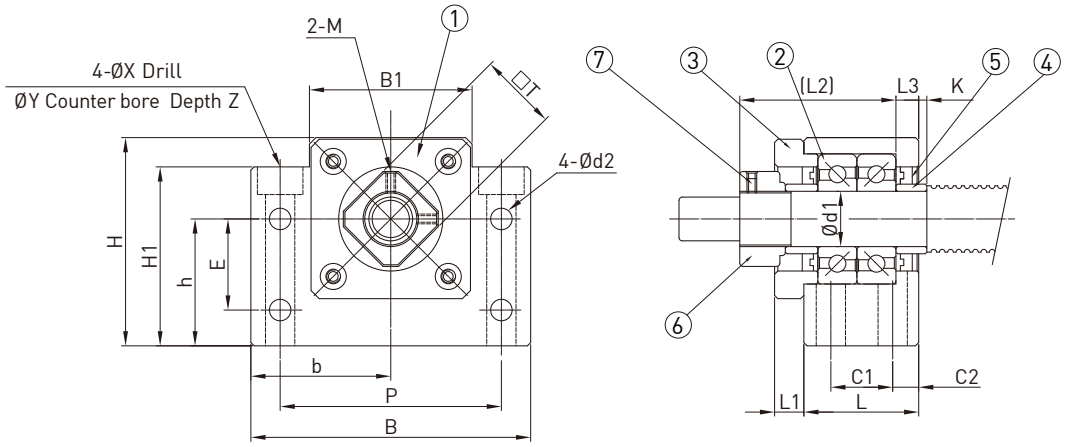
Axial load limit and basic dynamic rating are distinct catalogue parameters.

Datasheet

AXISCRAFT - Fixed bearing for ballscrew, bore d = 40 mm - BK/SFA

BK40-C5

Dimensions and mounting details



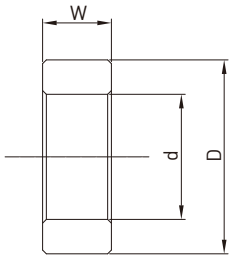
Dimensional specification

Dimension	Value
d1 - bearing bore	40 mm
L	61 mm
L1	18 mm
L2	76 mm
L3	15 mm
K	0 mm
B - body width	160 mm
H - overall height	110 mm
b	80 mm
h - centre height	60 mm
B1	100 mm

Dimension	Value
H1	90 mm
E	37 mm
P	130 mm
C1	33 mm
C2	14 mm
d2	14 mm
X - drilled diameter	18 mm
Y - counterbore dia.	26 mm
Z - counterbore depth	17.5 mm
M - thread	M6
T	50 mm

Component details

Locking collar



Parameter	Value
Bore diameter d	40 mm
Outer diameter D	52.5 mm
Collar width W	15 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 50 mm; bearing bore d = 40 mm.