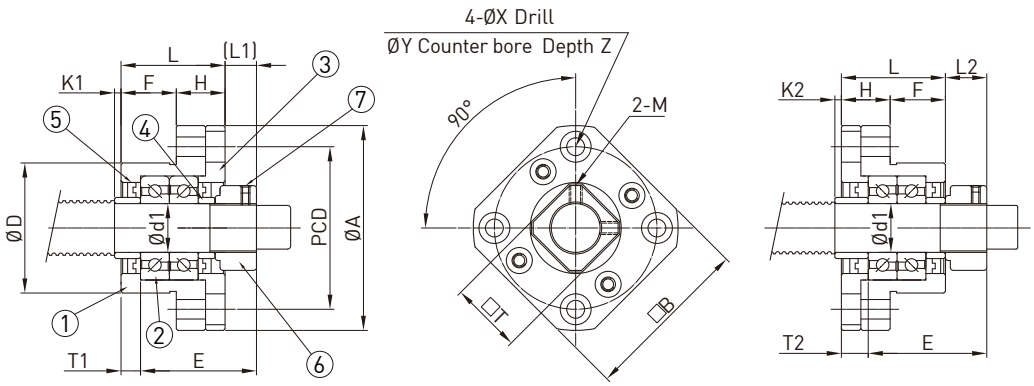
Datasheet

AXISCRAFT - Fixed bearing for ballscrew, bore d = 25 mm - BK/FK

FK25-C5

FK25-C5 | Flange-type fixed-end support unit



Mounting method A

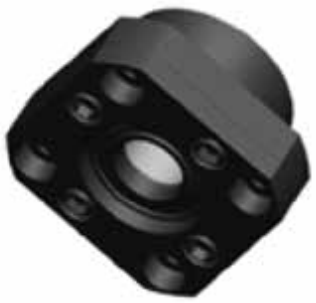
Mounting method B

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	**7205A (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	**Locating D: g6**
Support assembly mass	**1.6 kg**



Axial load ratings

Axial load limit

7.0 kN

Basic dynamic axial rating Ca

19.3 kN

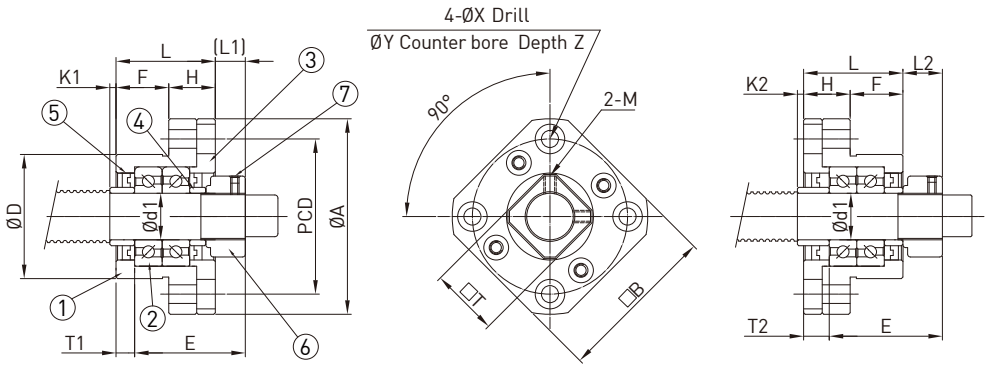
Axial load limit and basic dynamic rating are distinct catalogue parameters.

Datasheet

AXISCRAFT - Fixed bearing for ballscrew, bore d = 25 mm - BK/FK

FK25-C5

Dimensions and mounting details



Mounting method A

Mounting method B

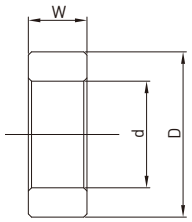
Dimensional specification

Dimension	Value
d1 - bearing bore	**25 mm**
L	**57 mm**
H	**27 mm**
F	**30 mm**
E	**60 mm**
D - locating diameter	**63 mm**
A - overall diameter	**98 mm**
PCD	**80 mm**
B	**79 mm**
L1 - mounting method A	**13 mm**

Dimension	Value
T1 - mounting method A	**10 mm**
K1 - mounting method A	**5 mm**
L2 - mounting method B	**20 mm**
T2 - mounting method B	**17 mm**
K2 - mounting method B	**-2 mm**
X - drilled diameter	**9 mm**
Y - counterbore dia.	**15 mm**
Z - counterbore depth	**13 mm**
M - thread	**M6**
T	**35 mm**

Component details

Locking collar



Parameter	Value
Bore diameter d	**25 mm**
Outer diameter D	**29.5 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 30-36 mm; bearing bore d = 25 mm.