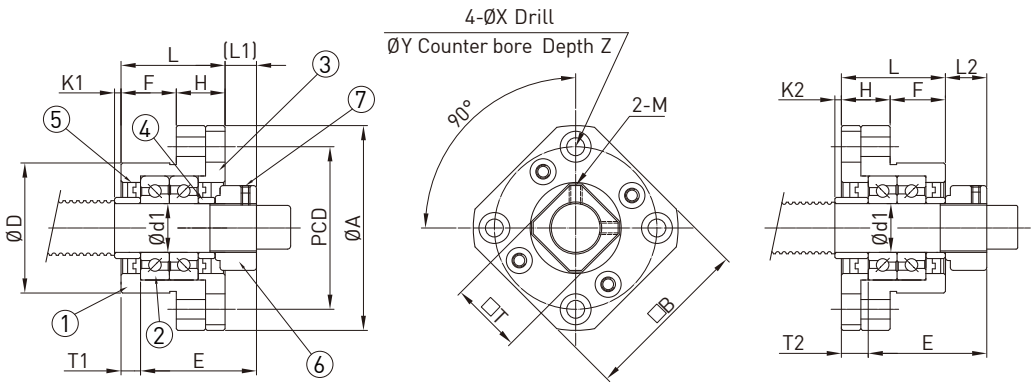
Datasheet

AXISCRAFT - Fixed bearing for ballscrew, bore d = 12 mm - BK/FK

FK12-C5

FK12-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	**7001A (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	**0.26 kg**



Axial load ratings

Axial load limit

2.1 kN

Basic dynamic axial rating Ca

6.9 kN

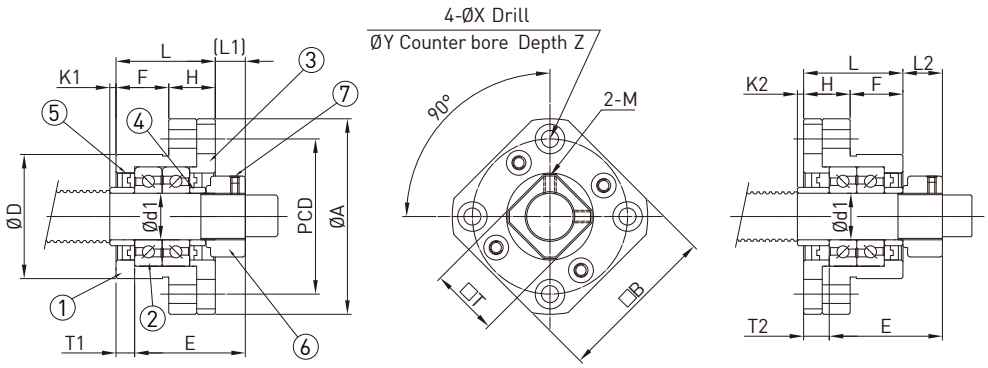
Axial load limit and basic dynamic rating are distinct catalogue parameters.

Datasheet

AXISCRAFT - Fixed bearing for ballscrew, bore d = 12 mm - BK/FK

FK12-C5

Dimensions and mounting details



Mounting method A

Mounting method B

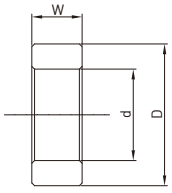
Dimensional specification

Dimension	Value
d1 - bearing bore	**12 mm**
L	**27 mm**
H	**10 mm**
F	**17 mm**
E	**29.5 mm**
D - locating diameter	**36 mm**
A - overall diameter	**54 mm**
PCD	**44 mm**
B	**44 mm**
L1 - mounting method A	**7.5 mm**

Dimension	Value
T1 - mounting method A	**5 mm**
K1 - mounting method A	**0.5 mm**
L2 - mounting method B	**8.5 mm**
T2 - mounting method B	**6 mm**
K2 - mounting method B	**-0.5 mm**
X - drilled diameter	**4.5 mm**
Y - counterbore dia.	**8 mm**
Z - counterbore depth	**5 mm**
M - thread	**M4**
T	**19 mm**

Component details

Locking collar



Parameter	Value
Bore diameter d	**12 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 14-18 mm; bearing bore d = 12 mm.