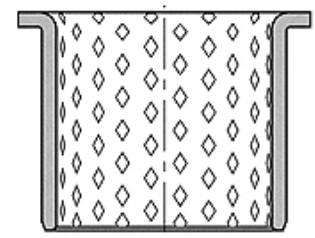
BK 090 F
Sliding bush BK090-F

HANSA-FLEX

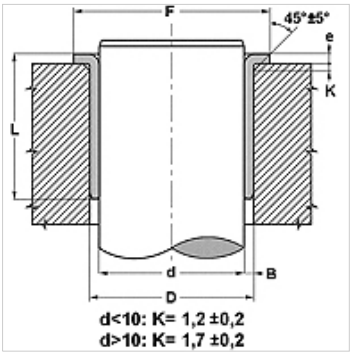
Properties

Design	Multi-lubrication friction bearing in rolled bronze
Construction type	The bushes are suitable for rotational and oscillating movements
pv	for grease lubrication: 2.8 N/mm2 x m/s for oil lubrication: 10 N/mm2 x m/s
Permissible load	static: 140 N/mm2 Rotation, oscillation: 70 N/mm2
Sliding speed max.	1,0 m/s
Friction coefficient	lubricated: 0.05 to 0.15
Thermal expansion coefficient	11 x 10-6 K-1
Coefficient of thermal conductivity	> 60 W (m x K)-1
Temp. min.	-50 °C
Temp. max.	150 °C
Surface pressure	140 (≤ N/mm2)
Material	CuSn8 bronze
Application	Hydraulics
Standard	ISO 3547 DIN 1494



Toleranz / Tolerance

d	D	L	e	F
f7	H7	±0,25	0 -0,20	±0,50



Note

An initial lubrication with grease is recommended and continual lubrication significantly increases the service life of the friction bearing.
Peak to valley height of shaft to be observed Ra < 0.8 µm.
Hardness of shaft to be observed 150 < HB < 600.

Description

Maintenance-free operation.
Multi-lubricationable.
Not suitable for dirty conditions.
Shock and vibration resistant.
High permitted load.
Good friction characteristics.
No water absorption.
low play during operation.
Extremely space-saving.

Item

Identification	d (mm)	D (mm)	L (mm)	e (mm)	F (mm)
BK 090-25 25 F	25	28	25	1,5	35
BK 090-30 30 F	30	34	30	2,0	45
BK 090-35 35 F	35	39	35	2,0	50
BK 090-40 40 F	40	44	40	2,0	55
BK 090-45 30 F	45	50	30	2,5	60
BK 090-50 50 F	50	55	50	2,5	65
BK 090-60 30 F	60	65	30	2,5	75
BK 090-60 60 F	60	65	60	2,5	75
BK 090-60 65 F	60	65	65	2,5	75
BK 090-65 30 F	65	70	30	2,5	80
BK 090-70 40 F	70	75	40	2,5	85
BK 090-70 70 F	70	75	70	2,5	85
BK 090-80 40 F	80	85	40	2,5	100
BK 090-80 80 F	80	85	80	2,5	100
BK 090-90 90 F	90	95	90	2,5	110
BK 090-120 90 F	120	125	90	2,5	140

Despite careful checking, we cannot guarantee the accuracy of all information included on this site, and we accept no liability.