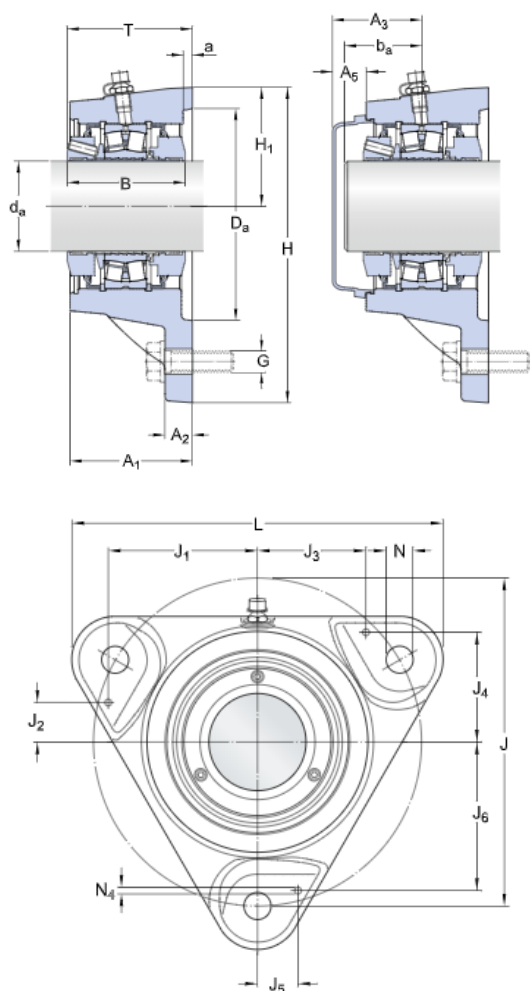




FYNT 45 F

Roller bearing flanged units, for metric shafts

Technical specification



DIMENSIONS

d_a	45 mm
A_1	66 mm
A_2	15 mm
T	max. 72.5 mm
B	65 mm
H	160 mm
H_1	60 mm
J	160 mm
L	179 mm
D_a	100 mm
N	14 mm
a	5 mm

SHAFT END

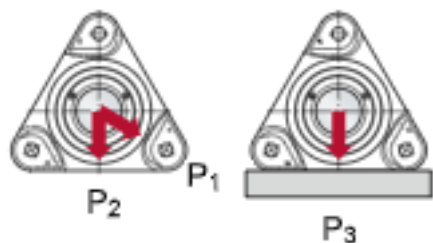
A_3	52 mm
A_5	23 mm
b_a	min. 34 mm
b_a	max. 43 mm

DOWEL PINS

J_1	71 mm
J_2	20 mm
J_3	53 mm
J_4	45.5 mm
J_5	18 mm
J_6	72 mm
N_4	max. 6 mm

CALCULATION DATA

Basic dynamic load rating	C	102 kN
Basic static load rating	C_0	98 kN
Fatigue load limit	P_u	10.8 kN
Limiting speed		3 500 r/min
Calculation factor	e	0.26
Calculation factor	Y_1	2.6
Calculation factor	Y_2	3.9
Bearing mean diameter	d_m	65 mm
Basic bearing designation		22209 E



LOAD CARRYING ABILITY

BREAKING LOADS

P_1	100 kN
P_2	65 kN
P_3	105 kN

AXIAL HOLDING POWER

P_a	15 kN
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MASS

Mass bearing unit	3.9 kg
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MOUNTING INFORMATION

Attachment bolt diameter	G	12 mm
Tightening torque for attachment bolts		80 N·m
Grub screws		3 x M 6
Tightening torque for grub screws		8 N·m
Grease quantity for relubrication		4 g

APPROPRIATE PRODUCTS

End cover	ECY 209
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