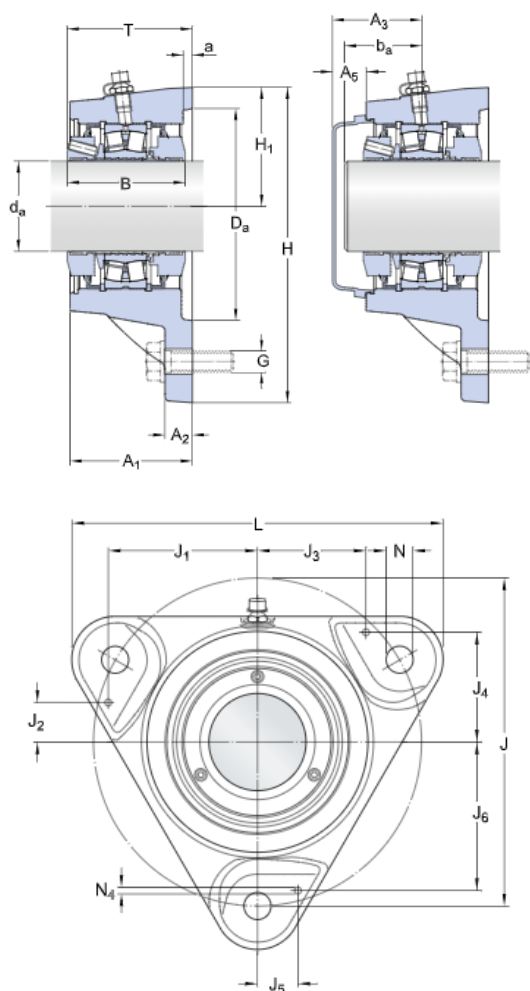




## FYNT 55 F

Roller bearing flanged units, for metric shafts

### Technical specification



### DIMENSIONS

$d_a$	55 mm
$A_1$	70 mm
$A_2$	15 mm
T	max. 73.6 mm
B	66 mm
H	189 mm
$H_1$	72 mm
J	180 mm
L	210 mm
$D_a$	120 mm
N	14 mm
a	5 mm

### SHAFT END

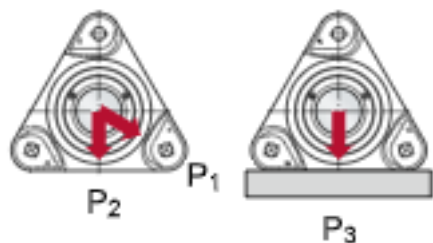
$A_3$	66 mm
$A_5$	34 mm
$b_a$	min. 34 mm
$b_a$	max. 55 mm

### DOWEL PINS

$J_1$	84 mm
$J_2$	22 mm
$J_3$	62 mm
$J_4$	54.5 mm
$J_5$	22 mm
$J_6$	84 mm
$N_4$	max. 8 mm

## CALCULATION DATA

Basic dynamic load rating	C	125 kN
Basic static load rating	$C_0$	137 kN
Fatigue load limit	$P_u$	13.7 kN
Limiting speed		3 100 r/min
Calculation factor	e	0.24
Calculation factor	$Y_1$	2.8
Calculation factor	$Y_2$	4.2
Bearing mean diameter	$d_m$	77.5 mm
Basic bearing designation		22211 E



## LOAD CARRYING ABILITY

### BREAKING LOADS

$P_1$	120 kN
$P_2$	95 kN
$P_3$	115 kN

### AXIAL HOLDING POWER

$P_a$	15 kN
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## MASS

Mass bearing unit	5.9 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		5 g

## APPROPRIATE PRODUCTS

End cover	ECY 211
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