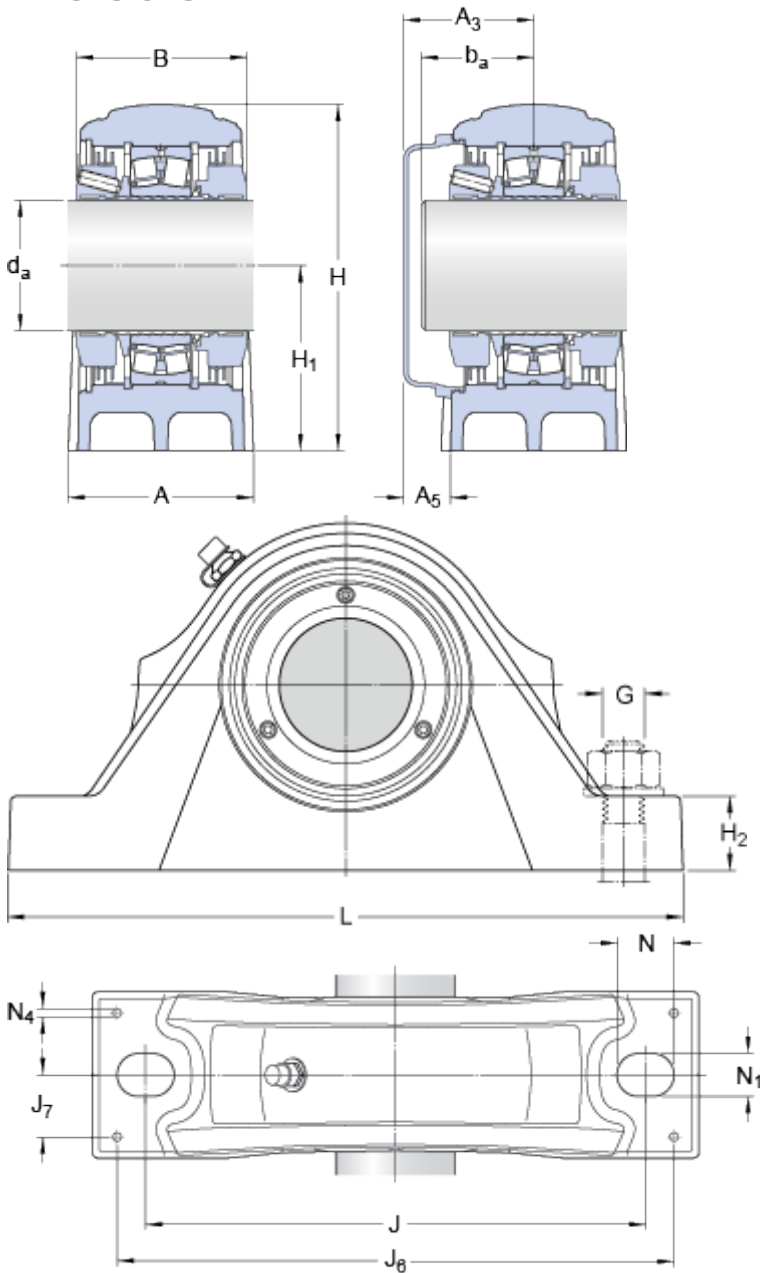


# SYNT 40 FTS

## Dimensions



$d_a$	40	mm
A	60	mm
B	65	mm
H	114	mm
$H_1$	60	mm
$H_2$	25	mm
J	170	mm
L	205	mm
N	20	mm
$N_1$	15	mm

### Shaft end

$A_3$	51	mm
$A_5$	23.5	mm
$b_a$	min. 34	mm
$b_a$	max. 43	mm

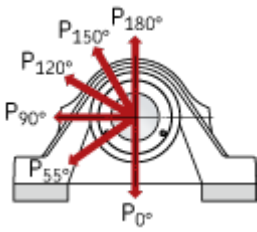
### Dowel pins

$J_6$	185	mm
$J_7$	21	mm
$N_4$	max. 6	mm

## Calculation data

Basic dynamic load rating	C	96.5	kN
Basic static load rating	C	90	kN
Fatigue load limit	$P_u$	9.8	kN
Limiting speed		5900	r/min
Calculation factor	e	0.28	
Calculation factor	$Y_1$	2.4	
Calculation factor	$Y_2$	3.6	
Bearing mean diameter	$d_m$	60	mm
Basic bearing designation		22208 E	

## Load carrying ability



### Breaking loads

$P_{0^\circ}$	160	kN
$P_{55^\circ}$	265	kN
$P_{90^\circ}$	160	kN
$P_{120^\circ}$	100	kN
$P_{150^\circ}$	90	kN
$P_{180^\circ}$	110	kN

### Axial holding power

$P_a$	15	kN
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### Mass

Mass bearing unit	3.8	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	<a href="#">ECY 208</a>
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