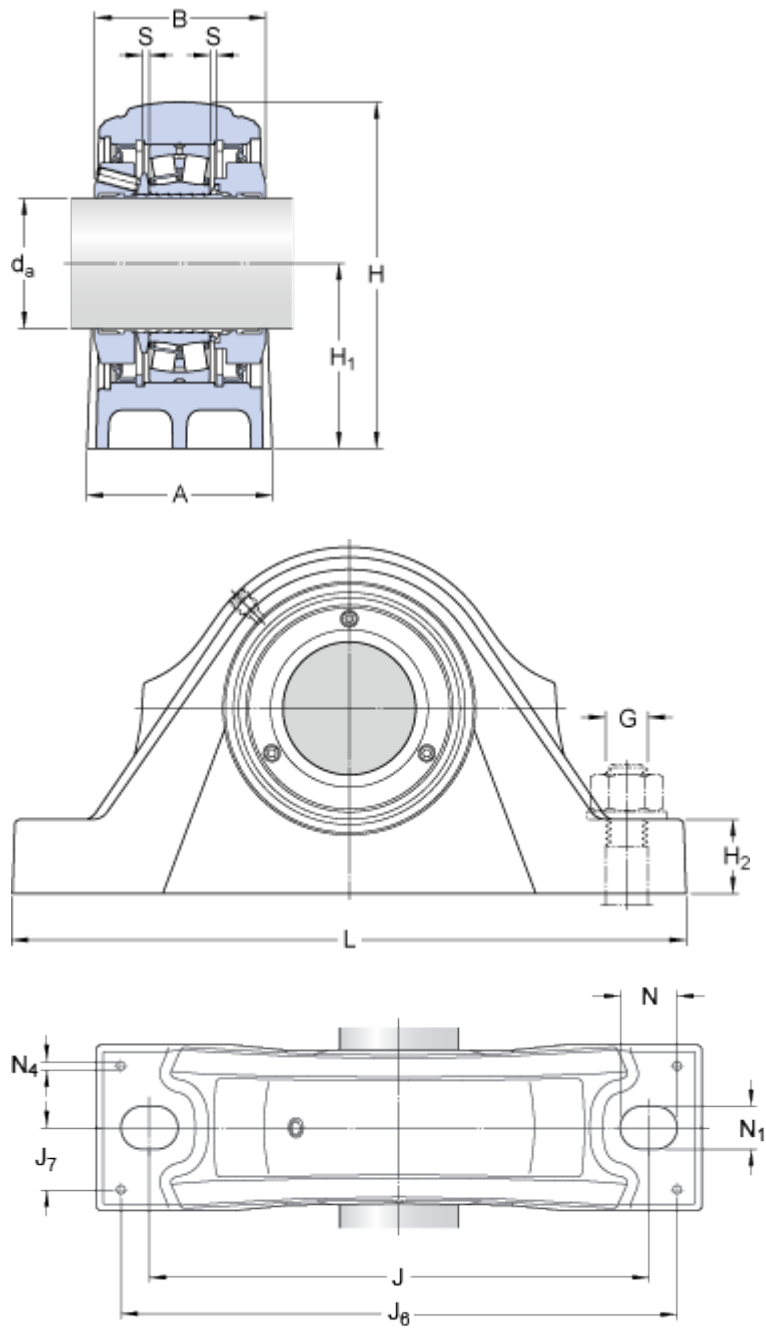


SYNT 80 LW

Dimensions



d _a	80	mm
A	100	mm
B	72	mm
H	191	mm
H ₁	100	mm
H ₂	35	mm
J	290	mm
L	345	mm
N	28	mm
N ₁	22	mm
S	2.5	mm

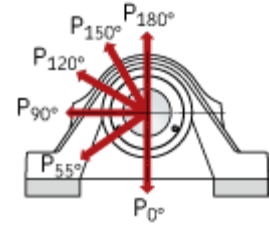
Dowel pins

J ₆	320	mm
J ₇	37.5	mm
N ₄	max. 8	mm

Calculation data

Basic dynamic load rating	C	236	kN
Basic static load rating	C ₀	270	kN
Fatigue load limit	P _u	29	kN
Limiting speed		2300	r/min
Calculation factor	e	0.22	
Calculation factor	Y ₁	3	
Calculation factor	Y ₂	4.6	
Bearing mean diameter	d _m	110	mm
Basic bearing designation		22216 E	

Load carrying ability



Breaking loads

$P_{0^{\circ}}$	430	kN
$P_{55^{\circ}}$	480	kN
$P_{90^{\circ}}$	290	kN
$P_{120^{\circ}}$	205	kN
$P_{150^{\circ}}$	190	kN
$P_{180^{\circ}}$	240	kN

Axial holding power

P_a	25	kN
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Mass

Mass bearing unit	20	kg
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Mounting information

Attachment bolt diameter	G	20	mm
Tightening torque for attachment bolts		385	N·m
Grub screws		5 x M 6	
Tightening torque for grub screws		8	N·m