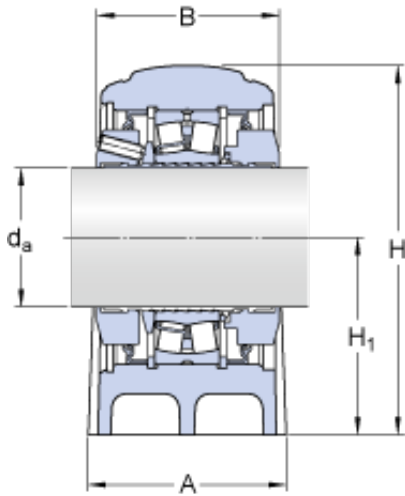




# DODGE CONSOLIDATED BEARING CO., LTD.



SYNT 90 FW Bearing 2D drawings and 3D CAD models

## SKF SYNT 90 FW Unidades de rolamento

Bearing No. SYNT 90 FW

Size	90x110x86 mm
Bore Diameter	90 mm
Outer Diameter	110 mm
Width	86 mm
d <sub>a</sub>	90 mm
A	110 mm
B	86 mm
H	216 mm
H <sub>1</sub>	112 mm
H <sub>2</sub>	40 mm
J	320 mm
L	380 mm
H	32 mm
N <sub>1</sub>	26 mm
J <sub>6</sub>	355 mm
J <sub>7</sub>	40 mm
N <sub>4</sub> - max.	8 mm
Basic dynamic load rating - C	325 kN
Basic static load rating - C <sub>0</sub>	375 kN
Fatigue load limit - P <sub>u</sub>	39 kN
Limiting speed	2100 r/min
Calculation factor - e	0.24
Calculation factor - Y <sub>1</sub>	2.8
Calculation factor - Y <sub>2</sub>	4.2



## DODGE CONSOLIDATED BEARING CO., LTD.

Diameter - $d_m$	125 mm
Basic Designation bearing	22218 E
$P_a$	35 kN
$P_{0^\circ}$	470 kN
$P_{55^\circ}$	620 kN
$P_{90^\circ}$	370 kN
$P_{120^\circ}$	280 kN
$P_{150^\circ}$	250 kN
$P_{180^\circ}$	310 kN
Mass bearing unit	21 kg
$d_a$	90 mm
$H_1$	112 mm
$H_2$	40 mm
$N$	32 mm
$N_1$	26 mm
$J_6$	355 mm
$J_7$	40 mm
$N_4$ max.	8 mm
Basic dynamic load rating $C$	325 kN
Basic static load rating $C_0$	375 kN
Fatigue load limit $P_u$	39 kN
Calculation factor $e$	0.24
Calculation factor $Y_1$	2.8
Calculation factor $Y_2$	4.2
Bearing mean diameter $d_m$	125 mm
$P_{0^\circ}$	470 kN
$P_{55^\circ}$	620 kN
$P_{90^\circ}$	370 kN
$P_{120^\circ}$	280 kN
$P_{150^\circ}$	250 kN
$P_{180^\circ}$	310 kN



## DODGE CONSOLIDATED BEARING CO., LTD.

$P_a$	35 kN
Attachment bolt diameter G	24 mm
Tightening torque for attachment bolts	665 N · m
Grub screws	7 x M 6
Tightening torque for grub screws	8 N · m