



Bearing No. S7017 ACD/HCP4A

a	36.2 mm
d	85 mm
D	130 mm
B	22 mm
C	22 mm
dh	101,9 mm
D2	119,1 mm
d1	98,9 mm
d2	98,9 mm
D1	116,1 mm
Db max	126 mm
db min	91 mm
Weight	0,75 Kg
rb max.	0,6 mm
ra max.	1 mm
Da max.	124 mm
r3 min.	0,6 mm
da min.	91 mm
r4 min.	0,6 mm
r2 min.	1,1 mm
r1 min.	1,1 mm
Size (mm)	85x130x22
Width (mm)	22
Mass bearing	0.76 kg
d <sub>1</sub>	98.9 mm
D <sub>2</sub>	119.05 mm
d <sub>2</sub>	98.9 mm
Bearing number	S7017 ACD/HCP4A
Number of balls z	21
d <sub>a</sub> max.	98.3 mm

$d_a$ min.	91 mm
Bore Diameter (mm)	85
$d_b$ min.	91 mm
$d_b$ max.	98.3 mm
$D_a$ max.	124 mm
$D_b$ max.	126 mm
$r_a$ max.	1 mm
$r_b$ max.	0.6 mm
Outer Diameter (mm)	130
Calculation factor e	0.68
Calculation factor f	1.15
$r_{1,2}$ min.	1.1 mm
$r_{3,4}$ min.	0.6 mm
Fatigue load limit (Pu)	2,5
(Oil) Lubrication Speed	17 000 r/min
(Grease) Lubrication Speed	11 000 r/min
Ball diameter $D_w$	14.288 mm
Basic dynamic load rating C	63.7 kN
Preload class A $G_A$	400 N
Basic dynamic load rating (C)	63,7 kN
Preload class B $G_B$	800 N
Preload class C $G_C$	1600 N
Preload class D $G_D$	3200 N
Basic static load rating (C0)	62 kN
Calculation factor $f_1$	0.99
Fatigue load limit $P_u$	2.5 kN
Calculation factor $f_{2B}$	1.02
Calculation factor $f_{HC}$	1.02
Calculation factor $f_{2D}$	1.08

Calculation factor $f_{2C}$	1.05
Calculation factor $f_{2A}$	1
Basic static load rating $C_0$	62 kN
Static axial stiffness, preload class D	609 N/ $\mu$ m
Static axial stiffness, preload class C	450 N/ $\mu$ m
Static axial stiffness, preload class B	338 N/ $\mu$ m
Attainable speed for grease lubrication	11000 r/min
Static axial stiffness, preload class A	258 N/ $\mu$ m
Calculation factor (single, tandem) $Y_2$	0.87
Calculation factor (single, tandem) $Y_0$	0.38
Calculation factor (single, tandem) $X_2$	0.41
Calculation factor (back- to-back, face-to-face) $Y_1$	0.92
Calculation factor (back- to-back, face-to-face) $Y_2$	1.41
Calculation factor (back- to-back, face-to-face) $Y_0$	0.76
Calculation factor (back- to-back, face-to-face) $X_2$	0.67