



**Bearing No. S7006 FW/HC**

D	55 mm
d	30 mm
B	13 mm
a	13.3 mm
Ball - z	17
Size (mm)	55x30x13
Width (mm)	13
Mass bearing	0.11 kg
$D_2$	48.1 mm
$d_2$	36.4 mm
$d_1$	38.2 mm
$d_2$	36.4 mm
$D_2$	48.1 mm
$d_1$	38.2 mm
Bearing number	S7006 FW/HC
Number of balls z	17
$d_a$ min.	34.6 mm
$r_b$ max.	0.6 mm
$r_a$ max.	1 mm
$D_b$ max.	50.8 mm
$D_a$ max.	50.4 mm
$d_b$ max.	36 mm
$d_b$ min.	34.6 mm
$d_a$ max.	37.8 mm
Bore Diameter (mm)	55
Outer Diameter (mm)	30
Calculation factor e	0.57
$d_b$ - min.	34.6 mm
$r_{3,4}$ min.	0.6 mm
$r_{1,2}$ min.	1 mm

$d_a$ - max.	37.8 mm
$D_b$ - max.	50.8 mm
$d_b$ - max.	36 mm
$d_a$ - min.	34.6 mm
Ball - $D_w$	6.35 mm
$D_a$ - max.	50.4 mm
$r_b$ - max.	0.6 mm
$r_a$ - max.	1 mm
$r_{1,2}$ - min.	1 mm
$r_{3,4}$ - min.	0.6 mm
Calculation factor - e	0.57
Basic dynamic load rating C	9.23 kN
Ball diameter $D_w$	6.35 mm
Basic dynamic load rating - C	9.2 kN
Fatigue load limit $P_u$	0.22 kN
Calculation factor - $X_2$	0.7
Calculation factor - $Y_1$	1.09
Fatigue load limit - $P_u$	0.22 kN
Calculation factor - $Y_2$	1.63
Calculation factor - $Y_0$	0.84
Limiting speed for grease lubrication	41000 r/min
Basic static load rating $C_0$	5.2 kN
Attainable speed for grease lubrication	41000 r/min
Basic static load rating - $C_0$	5.2 kN
Calculation factor (single, tandem) $Y_2$	1
Calculation factor	0.42

(single, tandem) $Y_0$	
Calculation factor (single, tandem) $X_2$	0.43
Calculation factor (back- to-back, face-to-face) $Y_1$	1.09
Calculation factor (back- to-back, face-to-face) $Y_2$	1.63
Calculation factor (back- to-back, face-to-face) $Y_0$	0.84
Calculation factor (back- to-back, face-to-face) $X_2$	0.7