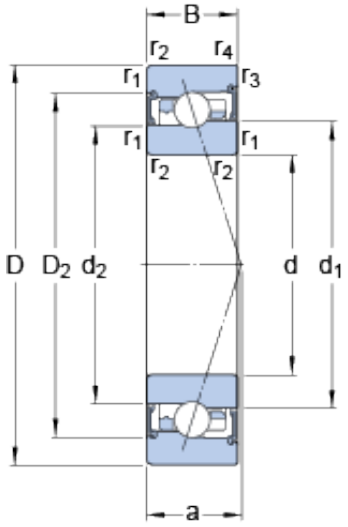
Loyal | S7010 FW/HC



Bearing No. S7010 FW/HC

D	80 mm
d	50 mm
B	16 mm
a	18.6 mm
Ball - z	21
Size (mm)	80x50x16
Width (mm)	16
Mass bearing	0.23 kg
D_2	72.9 mm
d_2	57.9 mm
d_1	60.25 mm
d_2	57.9 mm
D_2	72.9 mm
d_1	60.25 mm
Bearing number	S7010 FW/HC
Number of balls z	21
d_a min.	54.6 mm
r_b max.	0.6 mm
r_a max.	1 mm
D_b max.	75.8 mm
D_a max.	75.4 mm
d_b max.	57.3 mm
d_b min.	54.6 mm
d_a max.	59.7 mm
Bore Diameter (mm)	80
Outer Diameter (mm)	50
Calculation factor e	0.57
d_b - min.	54.6 mm
$r_{3,4}$ min.	0.6 mm
$r_{1,2}$ min.	1 mm

d_a - max.	59.7 mm
D_b - max.	75.8 mm
d_b - max.	57.3 mm
d_a - min.	54.6 mm
Ball - D_w	7.938 mm
D_a - max.	75.4 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	15.3 kN
Ball diameter D_w	7.938 mm
Basic dynamic load rating - C	15.3 kN
Fatigue load limit P_u	0.44 kN
Calculation factor - X_2	0.7
Calculation factor - Y_1	1.09
Fatigue load limit - P_u	0.44 kN
Calculation factor - Y_2	1.63
Calculation factor - Y_0	0.84
Limiting speed for grease lubrication	26000 r/min
Basic static load rating C_0	10.4 kN
Attainable speed for grease lubrication	26000 r/min
Basic static load rating - C_0	10.4 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