

# CYSD 6936-RS deep groove ball bearings

We work closely with our CYSD 6936-RS deep groove ball bearings manufacturing partners to bring the best value 20 mm d 52 mm D to customers.

d	20 mm
D	52 mm
B	15 mm
d1	30 mm
D1	45.5 mm
a min	2.31 mm
a max	2.46 mm
Ca min	3.33 mm
Ca max	3.58 mm
rs min	1.1 mm
rNs min	0.5 mm
D3 max	49.73 mm
b min	1.35 mm
b max	1.65 mm
r0 max	0.4 mm
D4 max	57.9 mm
f	1.07 mm
Snap ring reference	R52
Radial clearance class	CN
Mass	0.15 kg
Dynamic load, C	15.8 kN
Static load, C0	7.9 kN

Fatigue limit load, $C_u$	0.36 kN
$f_0$	12.4
$N_{lim}$	9,500 rpm
Min operating temperature, $T_{min}$	-20 °C
Max operating temperature, $T_{max}$	120 °C
Characteristic cage frequency, FTF	0.37 Hz
Characteristic rolling element frequency, BSF	3.52 Hz
Characteristic outer ring frequency, BPF0	2.57 Hz
Characteristic inner ring frequency, BRFI	4.43 Hz
$d_{a \min}$	26.5 mm
$d_{a \max}$	30 mm
$D_{a \max}$	45.5 mm
$r_{a \max}$	1 mm
$r_{Na \max}$	0.5 mm
$D_b \min$	58.5 mm