

# 241SM500-MA FAG 500x870x335mm C0r 17600000 N / Static load rating (radial) Spherical roller bearings

Bearing number	241SM500-MA
Size (mm)	500x870x335
Brand	FAG
Bore Diameter (mm)	500
Outer Diameter (mm)	870
Width (mm)	335
d	500 mm
D	870 mm
C	335 mm
B	450 mm
$r_{min}$	7.5 mm
m	1100 kg / Weight
$C_r$	8500000 N / Dynamic load rating (radial)
e	0.39
$Y_1$	1.73
$Y_2$	2.58
$C_{0r}$	17600000 N / Static load rating (radial)
$Y_0$	1.69
$n_G$	207 1/min / Limiting speed
$C_{ur}$	1280000 N / Fatigue limit load. radial

$F_{a \max}$	60000 N / Permissible axial load. for inner ring without axial abutment
$M_i$	1000 Nm / Tightening torque per clamping screw