



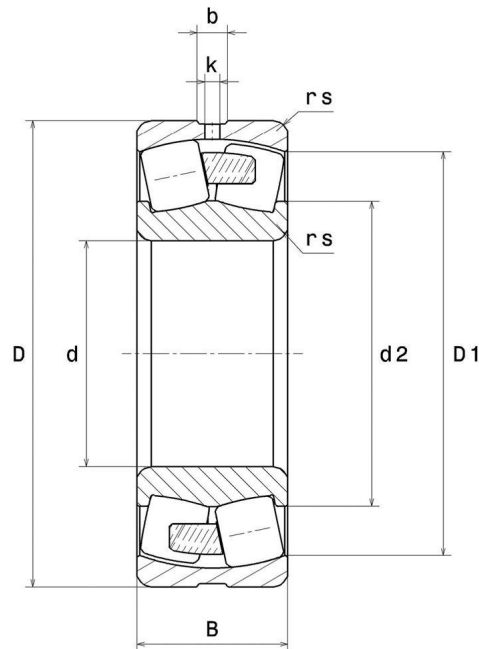
Technical data

23126EMW33C3
Spherical roller bearings

Spherical roller bearing, one-piece machined cage, groove and lubrication holes on outer ring

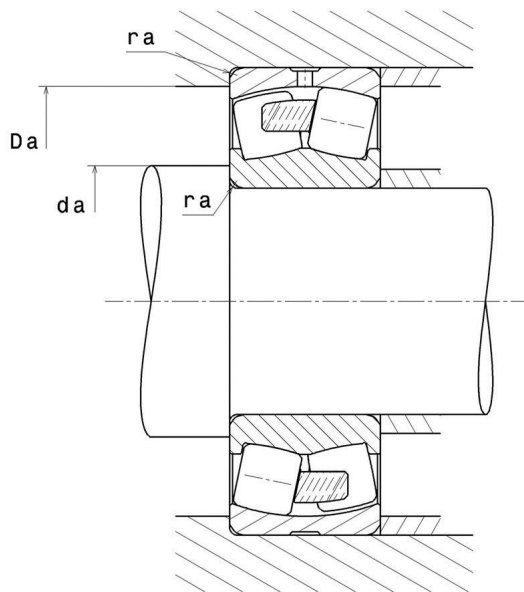
ULTAGE

VISUAL (S)



23126EMW33C3

Spherical roller bearings



PRODUCT DIMENSIONS

Internal diameter (d)	130 mm
External diameter (D)	210 mm
Bearing/Inner ring width (B)	64 mm
Inner diameter outer ring (D1)	188,3 mm
Min fillet radius (rs)	2 mm
Number of lubrication holes	3 or 4
Groove width (b)	10,04 mm
Hole diameter (k)	4,5 mm
Coef (e)	0.27
Lower axial load coef (Y1)	2.51
Upper axial load coef (Y2)	3.74
Static axial load coef (Y0)	2.46
Radial clearance class	C3

PRODUCT DIMENSIONS

Mass	8,5 kg
Brand	SNR

PRODUCT PERFORMANCE

Dynamic load (C)	710 kN
Static load (C0)	906 kN
Fatigue limit load (Cu)	93,7 kN
Reference thermal speed (Nref)	2400 tr/min
Mechanical Limit Speed (Nlim)	3000 tr/min
Min operating temperature (Tmin)	-40 °C
Max operating temperature (Tmax)	200 °C

ABUTMENT

Max shoulder diameter IR (da max)	0 mm
Min shoulder diameter IR (da min)	141 mm
Max shoulder diameter OR (Da max)	199 mm
Max shaft & housing fillet radius (ra max)	2 mm

INDUSTRY CALCUL FACTORS

Equivalent dynamic radial load

$$P = X.F_r + Y.F_a$$

Fa / Fr ≤ e		Fa / Fr > e	
X	Y	X	Y
1	Y1	0.67	Y2

Equivalent static radial load

$$P_0 = X_0.F_r + Y_0.F_a$$

X ₀	Y ₀
1	Y0

The values for e, Y1, Y2 and Y0 are shown in the above table .