



Technical data

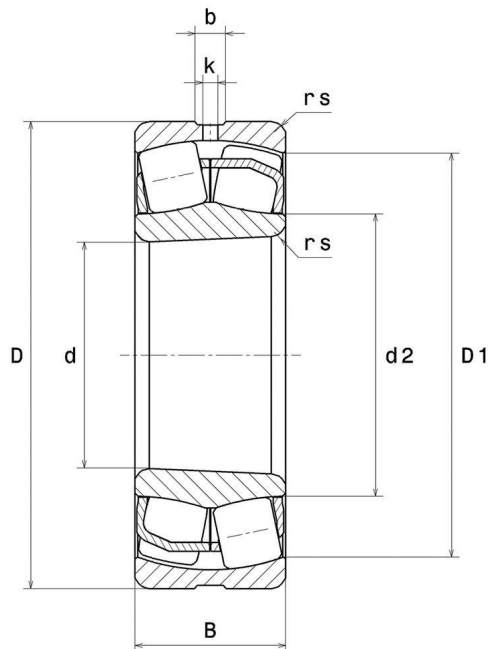
22216EAKW33

Spherical roller bearings

Spherical roller bearing, pressed steel cage, groove and lubrication holes on outer ring, tapered bore 1:12

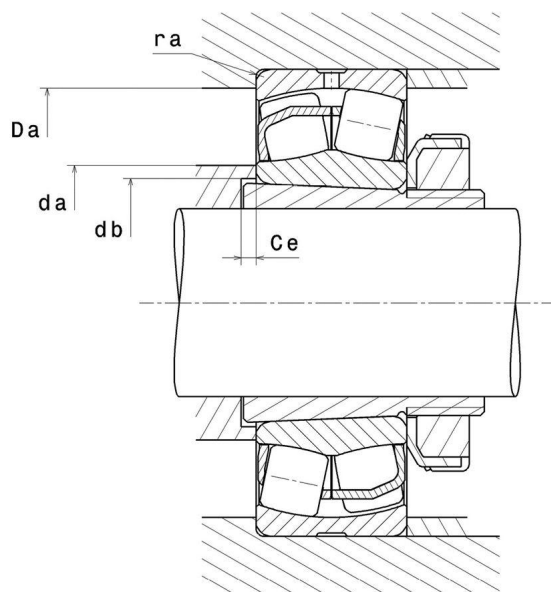
ULTAGE

VISUAL (S)



22216EAKW33

Spherical roller bearings



PRODUCT DIMENSIONS

Internal diameter (d)	80 mm
External diameter (D)	140 mm
Bearing/Inner ring width (B)	33 mm
External diameter inner ring (d2)	94,9 mm
Inner diameter outer ring (D1)	126,7 mm
Min fillet radius (rs)	2 mm
Number of lubrication holes	3 or 4
Groove width (b)	7,87 mm
Hole diameter (k)	3,5 mm
Associated sleeve reference	H316
Coef (e)	0.22
Lower axial load coef (Y1)	3.14
Upper axial load coef (Y2)	4.67

PRODUCT DIMENSIONS

Static axial load coef (Y0)	3.07
Radial clearance class	CN
Mass	2,041 kg
Brand	SNR

PRODUCT PERFORMANCE

Dynamic load (C)	278 kN
Static load (C0)	287 kN
Fatigue limit load (Cu)	33,8 kN
Reference thermal speed (Nref)	4300 tr/min
Mechanical Limit Speed (Nlim)	5800 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)	91 mm
Min diameter for Sleeve (db)	85 mm
Min length fro Sleeve (Ce)	12 mm
Max shoulder diameter OR (Da max)	129 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 .