

BS2 - 2315 - 2RSK/VT143 SKF

160x75x64mm D1 ≈ 140 mm

Spherical roller bearings

Bearing number	BS2 - 2315 - 2RSK/VT143
Size (mm)	160x75x64
Brand	SKF
Bore Diameter (mm)	160
Outer Diameter (mm)	75
Width (mm)	64
d	75 mm
D	160 mm
B	64 mm
d ₂	89.9 mm
D ₁	140 mm
b	8.3 mm
K	4.5 mm
r _{1,2} – min.	2.1 mm
d _a – min.	83 mm
d _a – max.	89.5 mm
D _a – max.	148 mm
r _a – max.	2 mm
Basic dynamic load rating – C	462 kN
Basic static load rating – C ₀	475 kN
Fatigue load limit – P _u	48 kN
Limiting speed	2100 r/min
Calculation factor – e	0.35

Calculation factor – Y_1	1.9
Calculation factor – Y_2	2.9
Calculation factor – Y_0	1.8
$d_2 \approx$	89.9 mm
$D_1 \approx$	140 mm
$r_{1,2} \text{ min.}$	2.1 mm
$D_a \text{ max.}$	148 mm
$r_a \text{ max.}$	2 mm
Basic dynamic load rating C	462 kN
Basic static load rating C_0	475 kN
Fatigue load limit P_u	48 kN
Calculation factor e	0.35
Calculation factor Y_1	1.9
Calculation factor Y_2	2.9
Calculation factor Y_0	1.8
Mass bearing	6.5 kg
Recommended lock nut tightening angle α	130 °