

**GE420-DW-2RS2-XL**

Spherical plain bearing

Large radial spherical plain bearing, maintenance-free, sliding layer: ELGOGLIDE, inner ring curved surface with hard chromium coating, DIN ISO 12240-1, dimension series C, sealed

X-life

Technical information

Your current product variant

Maintenance	Maintenance free
Sealing	2RS2 Lip seals with increased sealing action on both sides
Bore lining	Without
Coating	Without
Fabric	ELGOGLIDE
Material	Steel

Main Dimensions & Performance Data

d	420 mm	Bore diameter bearing
C_r	20.300.000 N	Basic dynamic load rating, radial
D	560 mm	Outside diameter bearing
B	190 mm	Width inner ring
C	160 mm	Width Outer ring
C_{0r}	33.900.000 N	Basic static load rating, radial
$\approx m$	138,5 kg	Weight





Mounting dimensions

$r_{1\text{min}}$	1,5 mm	Edge Spacing
$r_{2\text{min}}$	4 mm	Edge Spacing
D_{amin}	469 mm	Housing Connection Diameter
d_{amax}	451,6 mm	Connection measurement, inner ring

Dimensions

d_{κ}	490 mm	Ball diameter
α	3,7 °	Tilt angle
D_{OT}	0 mm	Outside diameter, upper tolerance
D_{UT}	-0,05 mm	Outside diameter, lower tolerance
B_{OT}	0 mm	Width inner ring, upper tolerance
d_{UT}	-0,045 mm	Bore diameter bearing, lower tolerance
B_{UT}	-0,45 mm	Width inner ring, lower tolerance
d_{OT}	0 mm	Bore diameter bearing, upper tolerance
C_{OT}	0 mm	Width outer ring, upper tolerance
C_{UT}	-1 mm	Width outer ring, lower tolerance
G_{r}	0 - 0,135	Radial Clearance
G_{rmax}	0,135 mm	Radial clearance, maximum
G_{rmin}	0 mm	Radial clearance, minimum

Temperature range

T_{min}	-40 °C	Operating temperature min.
T_{max}	120 °C	Operating temperature max.



Characteristics



Radial load



Axial load in one direction



Axial load in two directions



Lifetime lubrication, freedom from maintenance



Sealed on both sides



Large bearing



Static angular error and misalignment



Dynamic angular error and misalignment