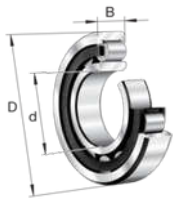
SCHAEFFLER



FAG

NU309-E-XL-TVP2

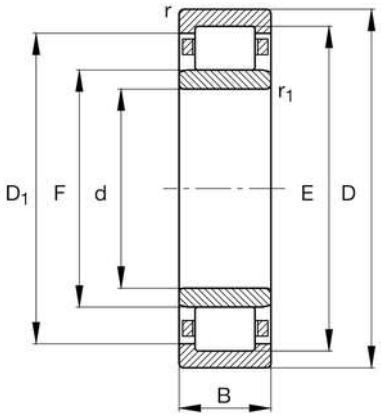
Cylindrical roller bearing

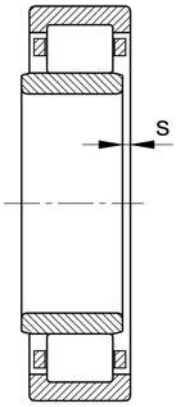
Schaeffler ID:
0167398500000

Cylindrical roller bearing NU..-E-XL-TVP2, with cage, single row, non-locating bearing, 2 ribs on outer ring, 0 ribs on inner ring (smooth), type NU, Running accuracy in P6

X-life

Technical information





Main Dimensions & Performance Data

d	45 mm	Bore diameter
D	100 mm	Outside diameter
B	25 mm	Width
C_r	116,000 N	Basic dynamic load rating, radial
C_{0r}	99,000 N	Basic static load rating, radial
C_{ur}	13,500 N	Fatigue load limit, radial
n_G	9,800 1/min	Limiting speed
$n_{\vartheta r}$	6,400 1/min	Reference speed
	0.88 kg	Weight

Mounting dimensions

$d_{a\ min}$	54 mm	Minimum diameter shaft shoulder
$d_{a\ max}$	57 mm	Maximum diameter of shaft shoulder
$d_{b\ min}$	60 mm	Minimum shaft shoulder
$D_{a\ max}$	91 mm	Maximum diameter of housing shoulder
$r_{a\ max}$	1.5 mm	Maximum recess radius
$r_{a1\ max}$	1.5 mm	Maximum recess radius

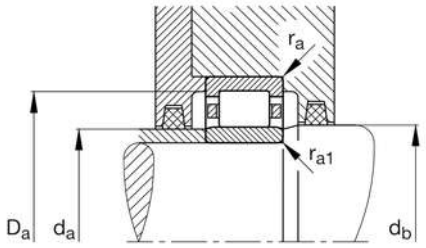
Dimensions

r_{min}	1.5 mm	Minimum chamfer dimension
$r_{1\ min}$	1.5 mm	Minimum chamfer dimension
s	1 mm	Axial displacement
E	88.5 mm	Raceway diameter outer ring
F	58.5 mm	Raceway diameter inner ring
$D_{1\ min}$	84.1 mm	Minimum rib diameter outer ring

Temperature range

T_{min}	-30 °C	Operating temperature min.
T_{max}	120 °C	Operating temperature max.

The datasheet is only an overview of dimensions and basic load ratings of the selected product. Please always observe all further information and guidelines for this product. For further information you can use the contact form on our website.



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