



FAG

## NU2209-E-XL-TVP2

Cylindrical roller bearing

Schaeffler ID:  
0167382250000Cylindrical 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

X-life

### Technical information



### Main Dimensions & Performance Data

d	45 mm	Bore diameter
D	85 mm	Outside diameter
B	23 mm	Width
$C_r$	87,000 N	Basic dynamic load rating, radial
$C_{0r}$	82,000 N	Basic static load rating, radial
$C_{ur}$	14,100 N	Fatigue load limit, radial
$n_G$	11,800 1/min	Limiting speed
$n_{gr}$	5,800 1/min	Reference speed
	0.516 kg	Weight

### Dimensions

$r_{min}$	1.1 mm	Minimum chamfer dimension
$r_{1 min}$	1.1 mm	Minimum chamfer dimension
s	1.5 mm	Axial displacement
E	76.5 mm	Raceway diameter outer ring
F	54.5 mm	Raceway diameter inner ring
$D_{1 min}$	73.3 mm	Minimum rib diameter outer ring

### Mounting dimensions

$d_{a min}$	52 mm	Minimum diameter shaft shoulder
$d_{a max}$	54 mm	Maximum diameter of shaft shoulder
$d_{b min}$	57 mm	Minimum shaft shoulder
$D_{a max}$	78 mm	Maximum diameter of housing shoulder
$r_{a max}$	1 mm	Maximum recess radius
$r_{a1 max}$	1 mm	Maximum recess radius

### Temperature range

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

