



FAG

## ★ B7208-C-T-P4S-UL

## Spindle bearing

Schaeffler ID:  
0191563400000

★ Preferred product

Spindle bearings B72...-C, adjusted, in pairs or sets, contact angle  $\alpha = 15^\circ$ , restricted tolerances

## Technical information



## Main Dimensions &amp; Performance Data

d	40 mm	Bore diameter
D	80 mm	Outside diameter
B	18 mm	Width
$C_r$	32.500 N	Basic dynamic load rating, radial
$C_{0r}$	16.100 N	Basic static load rating, radial
$C_{ur}$	1.700 N	Fatigue load limit, radial
$n_{G \text{ Grease}}$	18.000 1/min	Limiting speed for grease lubrication
$n_{G \text{ Oil}}$	30.000 1/min	Limiting speed for oil lubrication
	0,36 kg	Weight

## Additional information

$r_{\min}$	1,1 mm	Minimum chamfer dimension
$F_{VL}$	175 N	Preload force light
$r_{1 \min}$	1,1 mm	Minimum chamfer dimension
$F_{VM}$	566 N	Preload force medium
$\alpha$	$15^\circ$	Contact angle
$F_{VH}$	1.128 N	Preload force heavy
$K_{aEL}$	544 N	Lift-off force light
$K_{aEM}$	1.920 N	Lift-off force medium
$K_{aEH}$	4.102 N	Lift-off force heavy
$c_{aL}$	49,2 N/ $\mu\text{m}$	Axial rigidity light
$c_{aM}$	84,7 N/ $\mu\text{m}$	Axial rigidity medium
$c_{aH}$	122 N/ $\mu\text{m}$	Axial rigidity heavy



### Mounting dimensions

$d_a$	48 mm	Diameter shaft shoulder
$d_a$	h12	Diameter shaft shoulder clearance
$D_a$	72 mm	Shoulder diameter outer ring
$D_a$	H12	Shoulder diameter outer ring clearance
$r_{a \max}$	1 mm	Maximum recess radius
$r_{a1 \max}$	0,6 mm	Maximum recess radius
$E_{tk \min}$	53,4 mm	Minimum diameter injection pitch
$E_{tk \max}$	57,2 mm	Maximum diameter injection pitch
$E_{tk1 \min}$	53,4 mm	Minimum diameter injection pitch
$E_{tk1 \max}$	57,2 mm	Maximum diameter injection pitch
$a$	17 mm	Distance between the apexes of the pressure cones

### Temperature range

$T_{\min}$	-30 °C	Operating temperature min.
$T_{\max}$	100 °C	Operating temperature max.