

AXK 2542

- Popular item

Needle roller thrust bearings

Bearing data, Design considerations

Tolerances,

table, values,

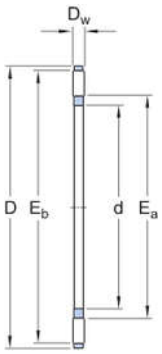
Design considerations,

table

Bearing interfaces

Seat tolerances for standard conditions

Technical specification



DIMENSIONS

d	25 mm	Bore diameter
D	42 mm	Outside diameter
D_w	2 mm	Diameter roller
Ea	min.29 mm	Raceway diameter (min.) roller and cage thrust assembly
Eb	max.41 mm	Raceway diameter (max.) roller and cage thrust assembly

CALCULATION DATA

Basic dynamic load rating	C	13.4 kN
Basic static load rating	C_0	60 kN
Fatigue load limit	P_u	6.95 kN
Reference speed		3 800 r/min
Limiting speed		7 500 r/min

MASS

Mass roller and cage thrust assembly	0.007 kg

ASSOCIATED PRODUCTS

Universal washer	LS 2542
Thin universal washer	AS 2542
Shaft washer	WS 81105
Housing washer	GS 81105

More information

Product details

- Designs and variants
- Bearing data
- Loads
- Temperature limits
- Permissible speed
- Design considerations
- Designation system

Engineering information

- Principles of rolling bearing selection
- General bearing knowledge
- Bearing selection process
- Bearing failure and how to prevent it

Tools

- SimPro Quick
- Bearing Select
- Engineering Calculator
- LubeSelect for SKF greases
- Heater selection tool

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