



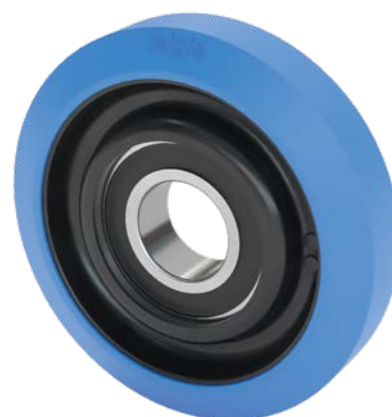
## 2C Elevator guiding roller

### Application / Challenges

The 2C guiding rollers are used in elevators to guide the cabin or the counterweight on the guide rails in the elevator shaft. The rollers are fitted on either rigid or spring-loaded guide shoes, usually in a T-shaped configuration.

Guide systems like these are used for all elevator speeds. The rollers for the elevator cabin in particular are exposed to significant shock loads, as well as – for short periods – high loads resulting from overloading of one side of the cabin. Alongside reliable operation, including at high speeds, the key requirements also include low running noise emissions and vibrations.

Customers have strict specifications in terms of ride comfort in the cabin and noise transmission to the building interior – both of which are important quality criteria for elevators.



## Solution / Material

faigle's 2C guiding rollers feature a tire made from PAS-PU – a thermoplastic elastomer – as well as a glass fiber-reinforced polyamide hub and an overmolded ball bearing.

The non-detachable tire is securely welded onto the hub, while a machined running surface delivers optimum concentricity.

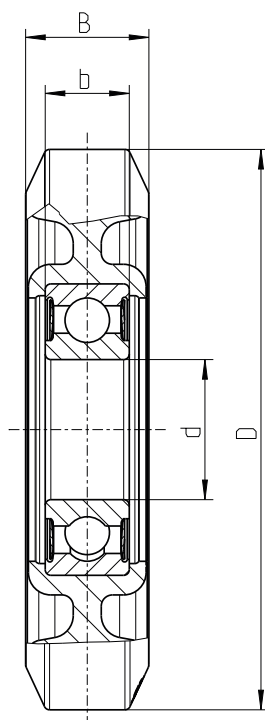
PAS-PU stands out for its high tear resistance, outstanding mechanical properties and excellent hydrolysis stability.

faigle only uses ball bearings from selected manufacturers that have been audited by the company.

## Customer Benefits

- ✓ Long service life due to wear-resistant material and quality-controlled ball bearings that meet the highest standards
- ✓ Attractive pricing thanks to cost-effective injection molding
- ✓ Overmolding ensures that the ball bearing sits securely
- ✓ Thick tire and excellent concentricity deliver an exceptional ride comfort and low noise emissions

## Specifications



Outer diameter (D)	Ø50 – Ø300mm
Inner diameter (d)	Ø25mm as standard Other diameters available on request
Width (B)	15 – 30mm
Running surface contour	Flat or crowned R100/R200
Tire hardness	87 or 95 Shore A Other hardnesses available on request
Speed	Max. 10m/s
Load-bearing capacity	Up to 3,000N depending on configuration and speed