



TENTE Institutional



Castors for Inflight Trolleys  
AVIANA

**TENTE**  
BETTER MOBILITY. BETTER LIFE.

# Castors for Inflight Trolleys

Series 2976 / Series 5976



Did you know that TENTE castors contribute to your comfort above the clouds?

Next time you fly, pay special attention to the "feet" of the inflight trolley used to serve drinks and meals, by the friendly flight attendants. These castors roll quietly down the aisle to assure a peaceful trip for all passengers onboard. As expert, you will recognize the TENTE castors with one look.

The critical role of castors used on inflight trolleys begins long before take-off. The thermo-plastic tread assures quiet, smooth, and reliable operation already on the ground, while taking their trip to the airplane. The robust swivel bearing and the shape of the TENTE inflight castor support the trolley during ground catering and inflight service. TENTE castors provide for a comfortable ride, with easy manoeuvrability, even in the tightest places and narrow aisles of an airplane.

By the way: In order to reduce CO<sub>2</sub> emissions and to protect our environment, TENTE castors become increasingly lighter.

## Available as:

### Standard Castor 2976



Weight per Castor:  
with PJE-Wheels: 0,640 kg  
with UAE-Wheels: 0,680 kg

### AVIANA Standard 5976



Weight per Castor:  
with PJE-Wheels: 0,480 kg  
with UAE-Wheels: 0,520 kg

### AVIANA Light 5976



Weight per Castor:  
with PJE-Wheels: <0,360 kg  
with UAE-Wheels: <0,400 kg

## Fuel Savings

It is said, that the use of AVIANA Light Castors has a significant impact on kerosene savings. This is our contribution to a cleaner and greener environment.

## Material Compilation

	Standard	Non Corrosion	Non Corrosion
Series:	<b>2976</b>	<b>AVIANA Standard 5976</b>	<b>AVIANA Light 5976</b>
Housing:	pressed steel, yellow passivated	high performance Polyamide	high performance Polyamide
Swivel bearing:	double ball bearing swivel head, with stainless steel balls	double ball bearing swivel head, upper ball race: balls made of stainless steel, lower ball race: balls made of POM	double ball bearing swivel head, upper and lower ball race: balls made of POM
Wheels:	<b>UAE</b> Wheel centre: Polyamide tread: Polyurethane with threadguards	<b>UAE</b> Wheel centre: Polyamide tread: Polyurethane with threadguards	<b>UAE</b> Wheel centre: Polyamide tread: Polyurethane with threadguards
	<b>PJE</b> Wheel centre: TENTEprene (thermoplastic rubber) with threadguards	<b>PJE</b> Wheel centre: TENTEprene (thermoplastic rubber) with threadguards	<b>PJE</b> Wheel centre: TENTEprene (thermoplastic rubber) with threadguards
Bearing:	cone ball bearing, stainless-steel	cone ball bearing, stainless-steel	cone ball bearing, POM
Brake system:	central locking brake, all components are made of stainless or reinforced synthetic materials		
Weight per set: (4 castors)	UAE – 2,720 kg PJE – 2,560 kg	UAE – 2,080 kg PJE – 1,920 kg	UAE – < 1,600 kg PJE – < 1,440 kg



## AVIANA Light

### Characteristics:

- low weight
- low noise
- safe and easy maneuverability
- maintenance and corrosion free
- worldwide available
- central locking system
- corporate colouring on request

### Result in:

- fuel savings
- silent cabin ambiance
- smooth and efficient handling by cabin crew
- zero maintenance costs
- global access of spare parts
- adjustable according to OEM specification
- individual design
- full protection of wheels/tires



### Awarded Design



High product quality  
Interzum Award



The Design Award of the Federal  
Republic of Germany – NOMINATED



Gute Gestaltung  
Deutscher  
Designer Club



# Castors for Inflight Trolleys



## Production and Testing

Furthermore, TENTE castors for inflight trolleys fulfil additional requirements according to specific test criteria set by TENTE and our customers, such as:

- Drop-Test
- Washability/Corrosion Resistance
- Dynamic Test
- Static Test
- Actuation Test
- Brake Performance Test
- Surface pressure (Footprint)
- Roll- and Swivel Resistance



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