

# TD-PCA

## Telescopic Duct for PCAir Systems



- External shell in Anodized Aluminium alloy: reduces weight and assures corrosion resistance
- Internal shell in Stainless Steel
- Insulation with Armaflex 15 mm
- Three sections for two tunnel bridges and five sections for three tunnel bridges
- Reduces length, in line installation of Hose Retrievers, shipment in container even for long bridges
- Ease of disassembly and 97% recycling rate of materials



## TD-PCA Technical Specifications

### Ducts:

External wall: Extrusion of anodized Aluminium type 6060T5 EN 755-1  
Internal wall: AISI 304 Stainless Steel

Thermal insulation: Armaflex 15 mm

Sliding system: Teflon pads

Air tightness O-Ring: Tecnocol MD 65 shore

Service pressure: 12.000 Pa

Test pressure: 30.000 Pa

Service temperature: -30°C to +80°C

Thermal transmittance: 0.015 W/mk

Pressure loss in 3 tunnel Telescopic  
Duct (without elbows): 20 Pa/m (0,078" H<sub>2</sub>O/m) (average)

Temperature loss in cooling mode  
with 0°C preconditioned air and  
35°C ambient temperature,  
50% R.H.: 0,065°C/m as average

Moment of inertia: 17.180 cm<sup>4</sup> (405 mm diameter)

Max deflection on 20 m long tube: 3 cm in the middle

### Dimensions and weight:

3 section Telescopic Duct

Tube B 405 mm outer diameter, 36 kg/m

Tube C 470 mm outer diameter, 41 kg/m

Tube D 535 mm outer diameter, 46 kg/m

5 section Telescopic Duct

Tube A 340 mm outer diameter, 31 kg/m

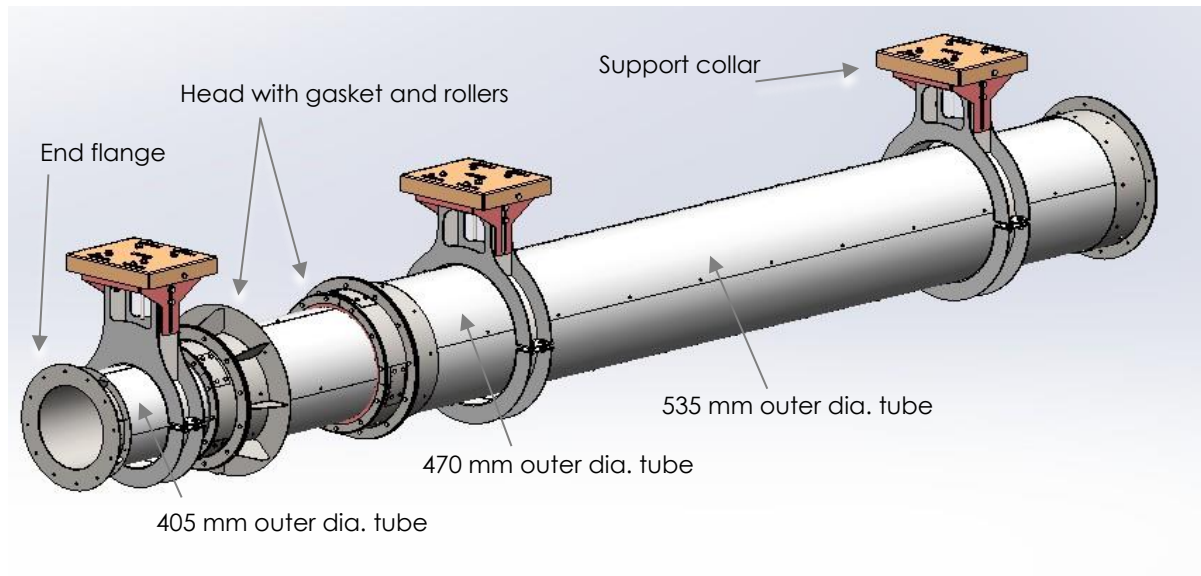
Tube B 405 mm outer diameter, 36 kg/m

Tube C 470 mm outer diameter, 41 kg/m

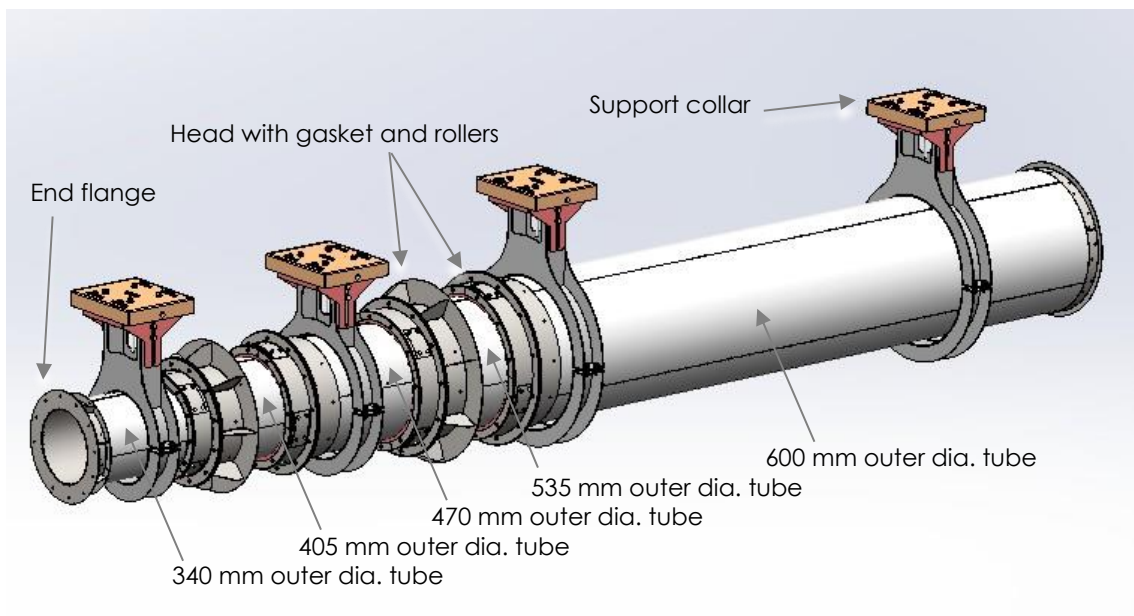
Tube D 535 mm outer diameter, 46 kg/m

Tube E 600 mm outer diameter, 51 kg/m

### 3 Section Telescopic Tube (Typical)



### 5 Section Telescopic Tube (Typical)





## Mounting Collars

Mounting collars allow an easy and accurate alignment of the tube section thanks to vertical and horizontal adjusting screws

