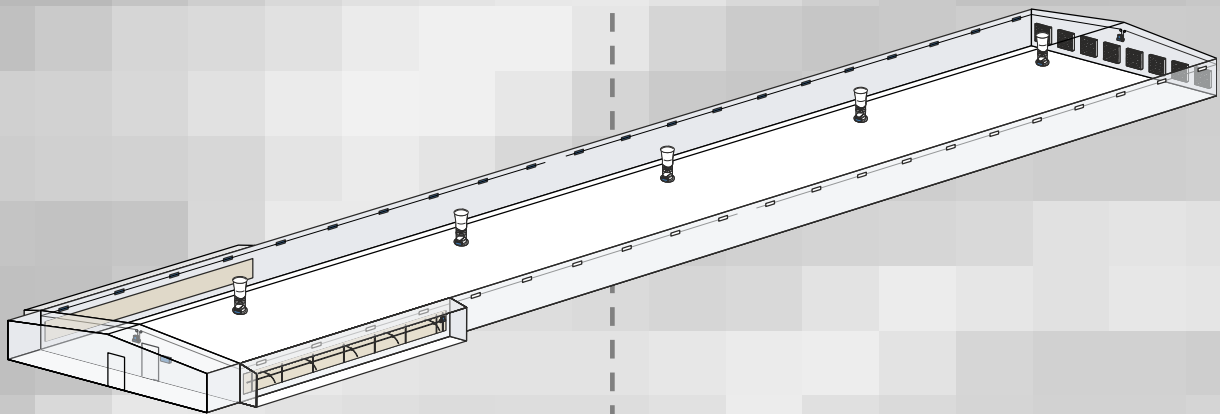


Rack & Pinion Tunnel Door System Technical Info



1 Product Description

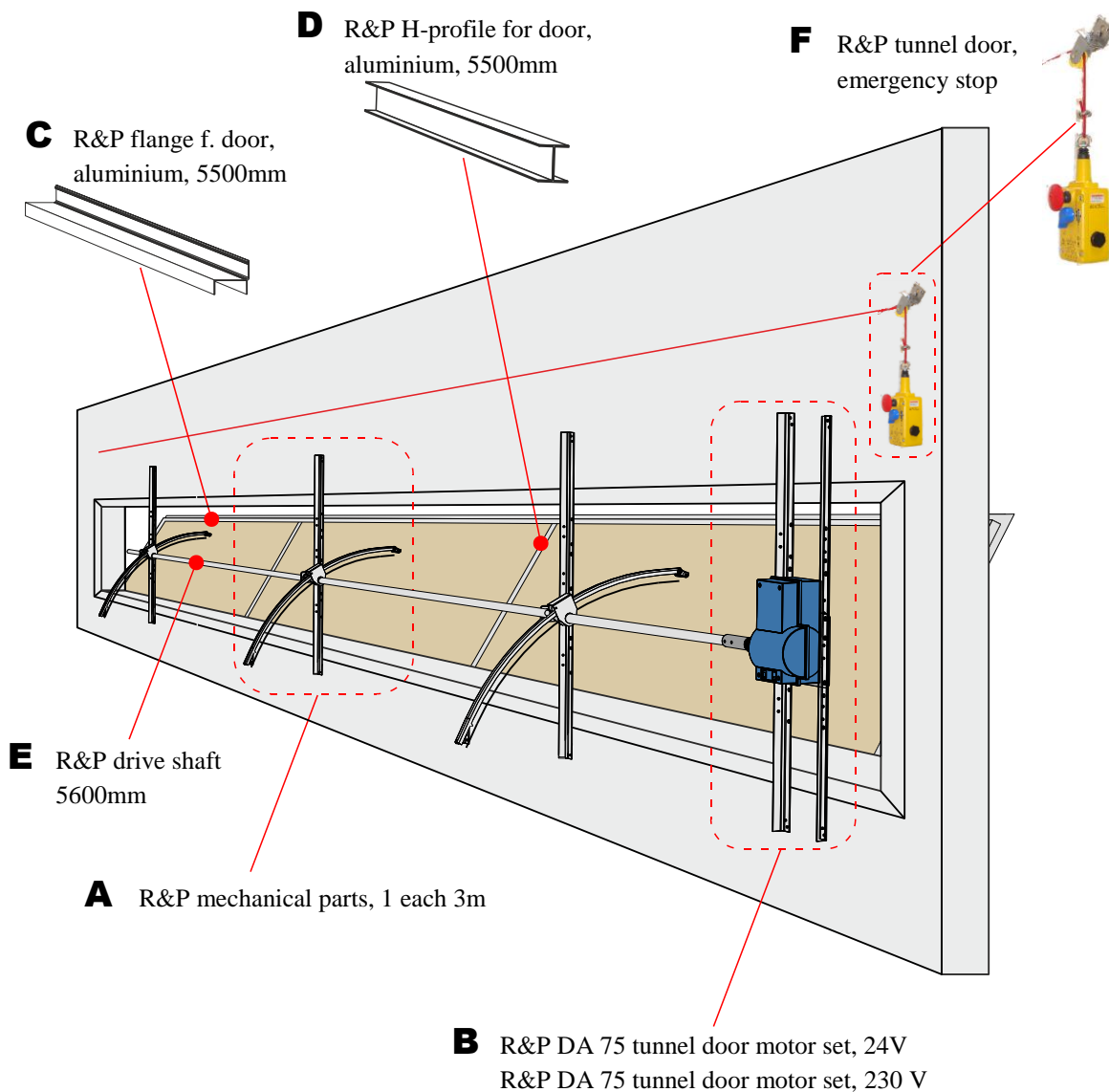
The Rack & Pinion system for tunnel openings is a complete solution for making a proper, insulated and sealed door inside a cooling section or directly in the side wall, if no cooling.

It is typically a part of the SKOV Combi-Tunnel ventilation system.

It is designed for cool room panels, which are 50 mm thick.

The Rack & Pinion tunnel door system from SKOV A/S normally consist of the following main parts:

- A** R&P mechanical parts, 1 each 3m
- B** R&P DA 75 tunnel door motor set, 24/230V
- C** R&P flange f. door, aluminium, 5500mm
- D** R&P H-profile for door, aluminium, 5500mm
- E** R&P drive shaft 5600mm
- F** R&P tunnel door, emergency stop



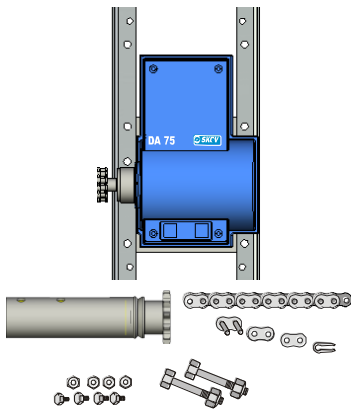
2 Product Survey

Rack & Pinion Tunnel Door System



433245 R&P mechanical parts, 1 each 3m

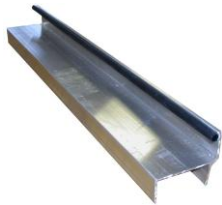
”R&P mechanical parts for each 3 meter” include all necessary mechanical parts per 3 meter tunnel door, such as mounting profile, curved rack, pinion house, hinges and various blind rivets, screws and nuts.



433230 R&P DA 75 tunnel door motor set, 24V

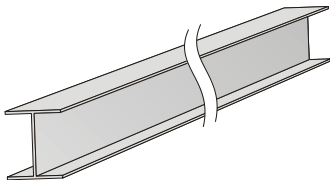
433231 R&P DA 75 tunnel door motor set, 230V

Includes R&P DA 75 tunnel door motor 24V/230V, mounting set and mounting profile.

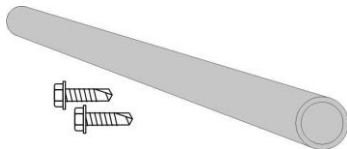


433246 R&P flange f. door, aluminium, 5500mm

Includes door profile and rubber profile.

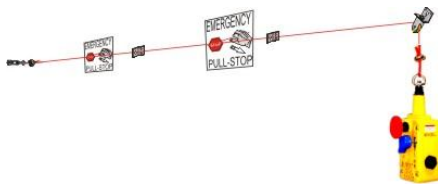


433213 R&P H-profile for door, alu., 5500mm



433247 R&P drive shaft 5600mm

Includes 1” galvanized tube DIN 2440 and screws.



432066 R&P tunnel door, emergency stop

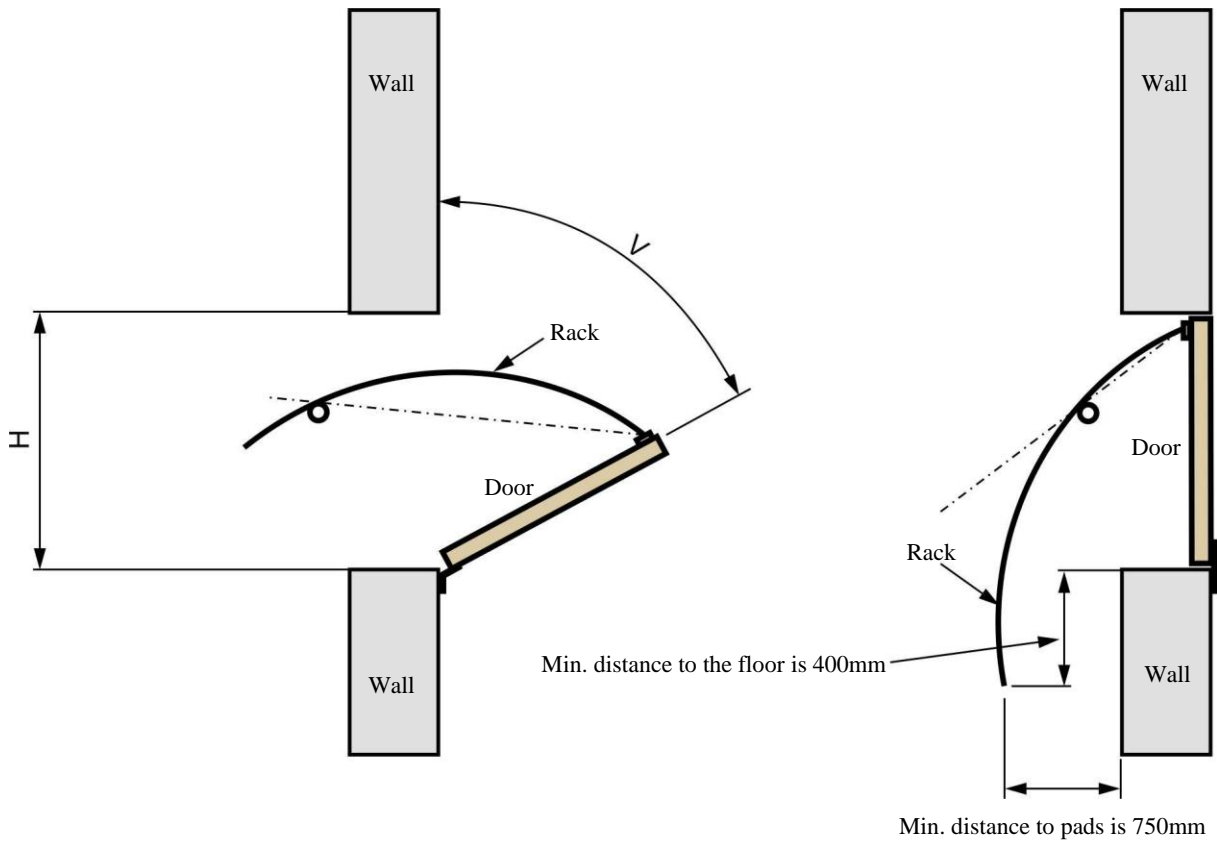
Includes pulley bracket, locknuts, wire, emergency signs and various screws.

3 Technical Data

SKOV A/S recommends an air speed of 2-2.5 m/s through the door, which suits the standard panel height of 1.2 m. The racks are designed for the 1.2 m high and 50mm thick panel door but can be used for other heights as well.

3.1 Door Opening approx. 63°- standard solution

- At full open: $V = 63^\circ$
- Door opening: $H = 800 - 1200\text{mm}$
- Door weight: $\text{Max. } 12.5 \text{ kg/m}^2$



3.2 Door Opening approx. 90° - special solution

Door opening: $H = 500 - 1200\text{mm}$

Wall thickness $B = 70 - 400\text{mm}$

Door weight: $\text{Max. } 12.5 \text{ kg/m}^2$

