

**INSTRUCTION MANUAL  
TRACK ARM**



This product is designed to meet the requirements of the relevant EC directives. To maintain this status all installation, repair and maintenance work must be carried out by qualified personnel using only original spare parts. Contact your nearest authorised dealer or AB Ph. Nederman & Co. for advice on technical service or if you require spare parts.

### **Declaration of conformity**

We, AB Ph. Nederman & Co., declare under our sole responsibility that the Nederman product:

#### **- Track Arm**

to which this declaration relates, are in conformity with the following standards or other normative documents: EN 292-1:1991, EN 292-2:1991, following the provisions of Directive 89/392/EEC.

#### **AB Ph. Nederman & Co.**

Sydhamnsgatan 2  
S-252 28 Helsingborg Sweden  
2000-04-01

A handwritten signature in black ink, consisting of several overlapping, fluid strokes, positioned above a horizontal line.

Mikael Brandsten, Product Manager

To guarantee a correct function and a minimal service, it is important to read and understand the information in this instruction manual.

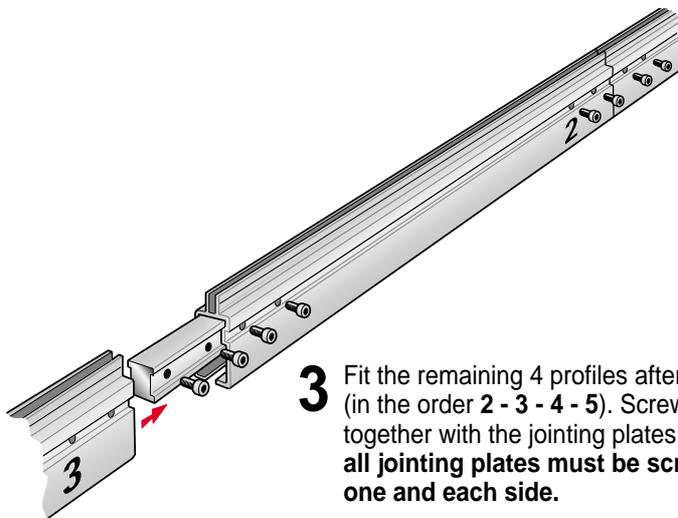
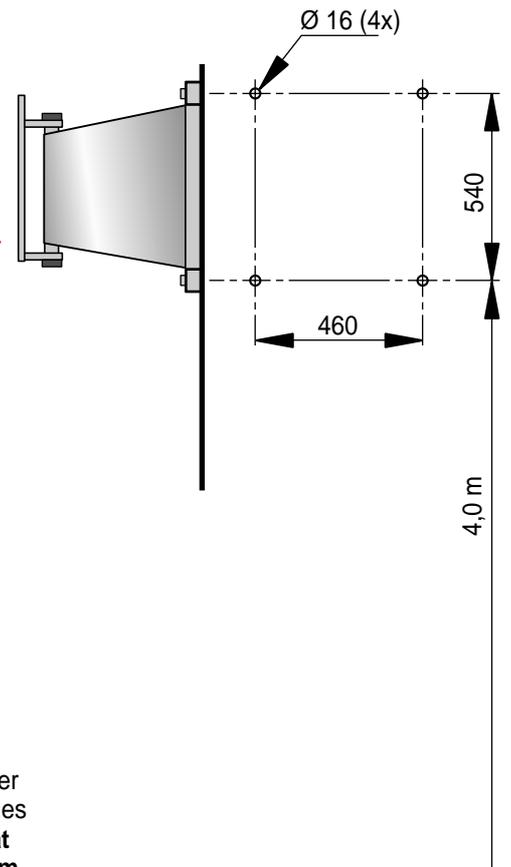
The manual contains important warning directions which have to be read and followed.

## MOUNTING INSTRUCTION

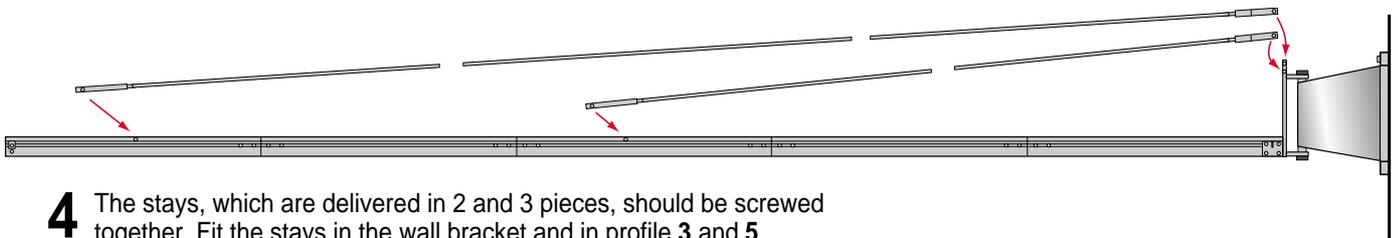
- 1** **Mounting the wall bracket:**  
Select a level surface on which to mount the bracket and mark the holes. Use a spirit level to get the bracket in a right horizontal and vertical position. Recommended installation height above floor level is 4 m. Ensure that suitable fixing bolts are used and that they are secure.



- 2** Fit the outer profile (marked 1) in the wall bracket.

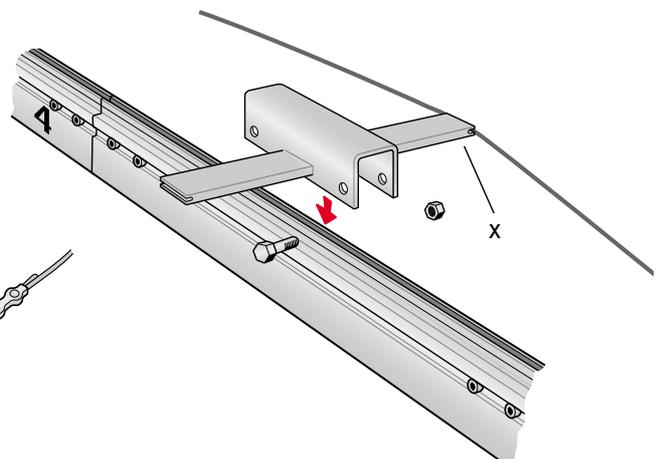
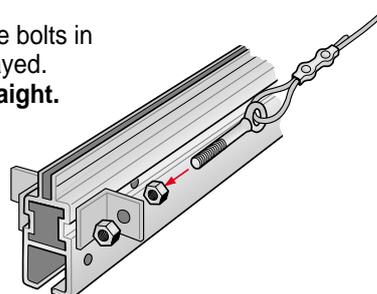


- 3** Fit the remaining 4 profiles after each other (in the order 2 - 3 - 4 - 5). Screw the profiles together with the jointing plates. **Note that all jointing plates must be screwed from one and each side.**

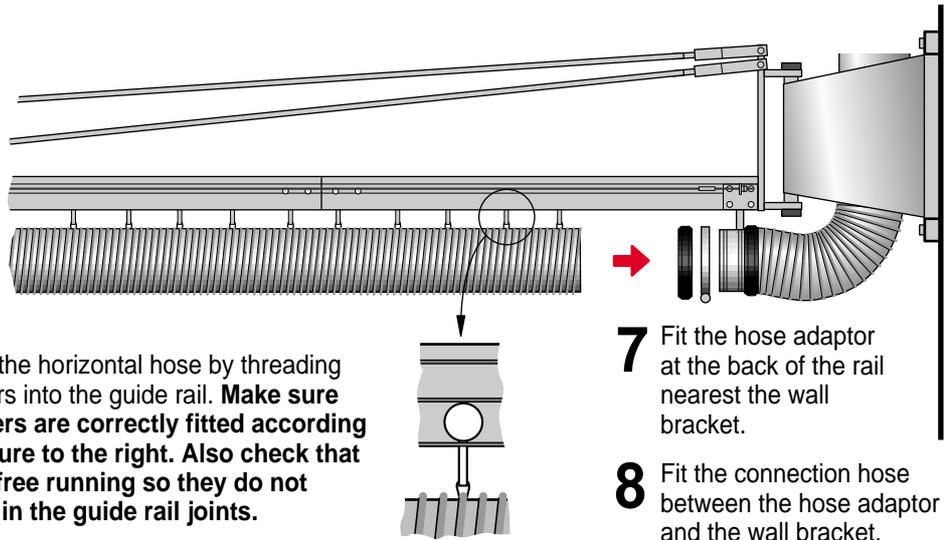


- 4** The stays, which are delivered in 2 and 3 pieces, should be screwed together. Fit the stays in the wall bracket and in profile 3 and 5.

- 5** **Mounting the wire:**
- Fit the clamp with screws in the intended holes in the middle of the rail.
  - Fit the eye bolt with wire in the angle plate which is fitted in the end of the rail.
  - Stretch the wire over the clamp to the angle plate fitted in the other end of the rail. Fit the eye bolt in the angle plate.
  - Repeat a), b) and c) for the wire which shall be fastened on the other side of the rail.
  - Stretch the wires with the eye bolts in order to get the rail properly stayed.
- Also check that the rail is straight.**  
Fasten the fitting screws (x) on the clamp.

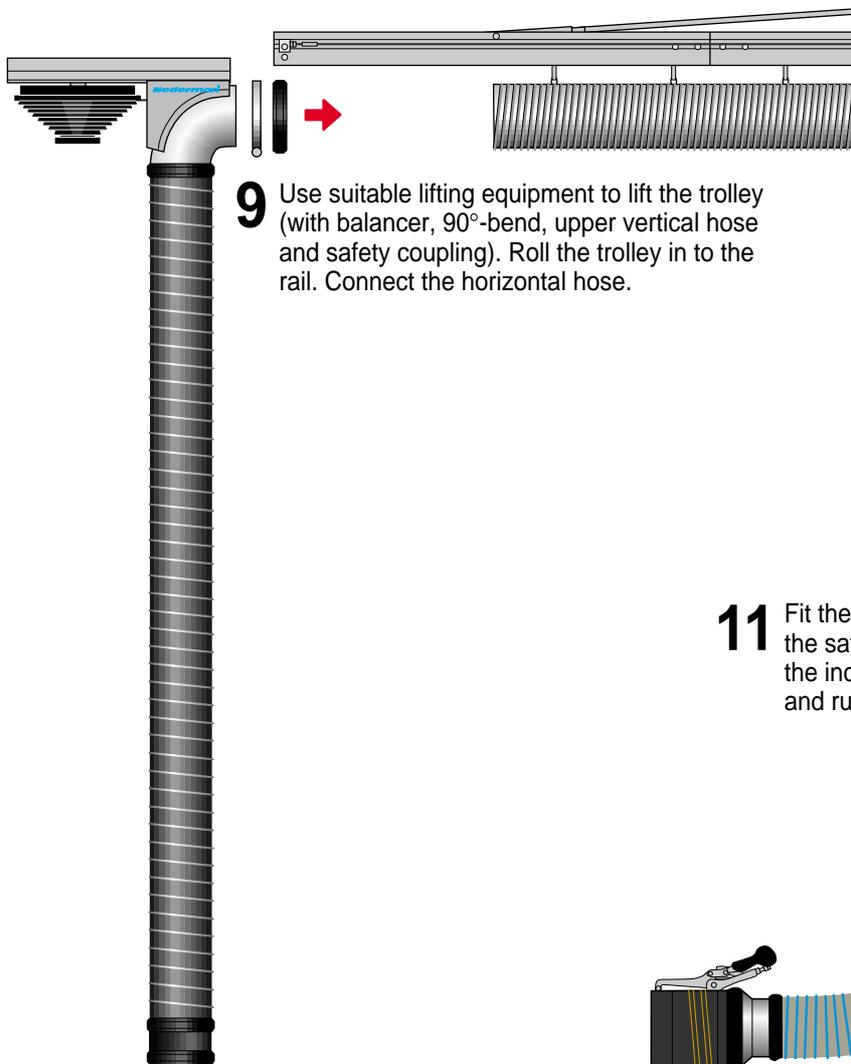


**6** Suspend the horizontal hose by threading the carriers into the guide rail. **Make sure the carriers are correctly fitted according to the figure to the right. Also check that they are free running so they do not catch up in the guide rail joints.**

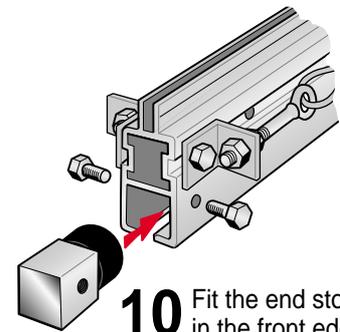


**7** Fit the hose adaptor at the back of the rail nearest the wall bracket.

**8** Fit the connection hose between the hose adaptor and the wall bracket.

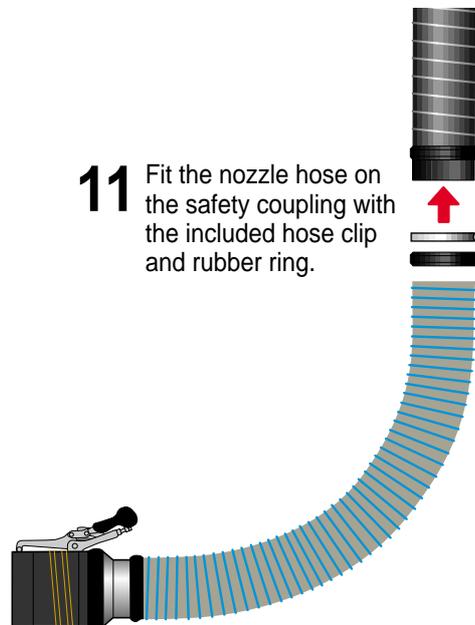


**9** Use suitable lifting equipment to lift the trolley (with balancer, 90°-bend, upper vertical hose and safety coupling). Roll the trolley in to the rail. Connect the horizontal hose.



**10** Fit the end stop in the front edge of the rail.

**11** Fit the nozzle hose on the safety coupling with the included hose clip and rubber ring.



## FAN MOUNTING AND ELECTRICAL INSTALLATION

Fans are not included in the basic package. For the best results, one fan per extraction unit is recommended. Please contact your Nederman representative for advice on fan selection.

To get underpressure in the ducting system and avoid exhaust leakage, the fan should be positioned as near the outlet from the room as possible.

**Connection to the mains should be carried out by a qualified electrician.**

A lockable safety switch is recommended for the electrical system including the fan.

## USER INSTRUCTION

The Nederman Track Arm comes with 100 mm (4"), 150 mm (6") or 200 mm (8") hose and is designed for use with heavy vehicles as trucks, buses etc.

Recommended airflow:

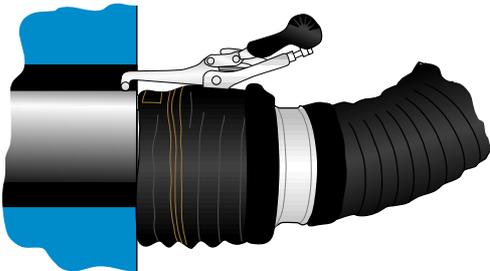
100 mm (4") hose: 400 - 600 m<sup>3</sup>/h

150 mm (6") hose: 600 - 1000 m<sup>3</sup>/h

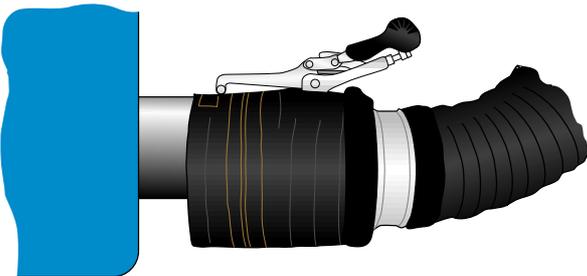
200 mm (8") hose: 1000 - 2000 m<sup>3</sup>/h

Check that the hose lifts away correctly after disconnection and that it does not touch the station floor. Hold the hose until the balancer has lifted it to its end position.

The lower hose can withstand **300°C for continuous running**. Use at higher temperatures will shorten the life of the product. **Therefore, avoid tasks that require extended periods of continuous running which will generate high exhaust temperatures.**



The compressible nozzle (for 6" or 8" hose) is possible to attach on exhaust pipes that are withdrawn in the bumper.

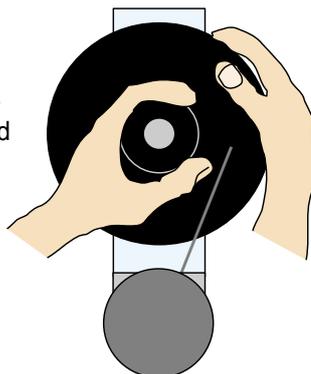


Attaching the nozzle on an exhaust pipe sticking out from the bumper.

The balancer's spring power has a correct setting from the factory. However it is advisable to check regularly that the hose lifts up properly and does not drag on the floor. When required the spring power can be increased in the following manner.

### Increasing the spring power

1. Hold the adjustment wheel firmly with one hand.
2. Turn the balancer drum with the other hand until one or some turns of cord has been wound on (4 clicks = 1 turn).



### WARNING!

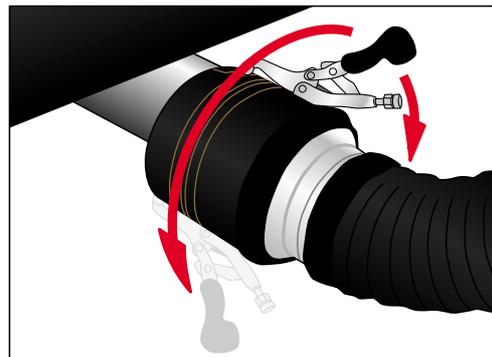
**Risk of personal injuries and/or product damages.**

Use protection gloves when handling the system.

The system must not be used when working on the vehicle's fuel system, when recharging the batteries or whenever there is a risk for inflammable dust or explosive gases.

The system must not be used for other purposes than extracting exhausts.

Check that there is enough suction capacity in the exhaust hose before it is connected to the vehicle exhaust pipe. If needed, check the fan impeller rotation direction and/or damper function.



The swiveling bearing function (nozzle for 6" or 8" hose) makes it possible to attach the grip to the exhaust pipe in any direction.



### WARNING!

**Risk of personal injury!** During repair work on the balancer, for example when changing cord - Neutralize the spring power in the balancer.

## MAINTENANCE INSTRUCTION

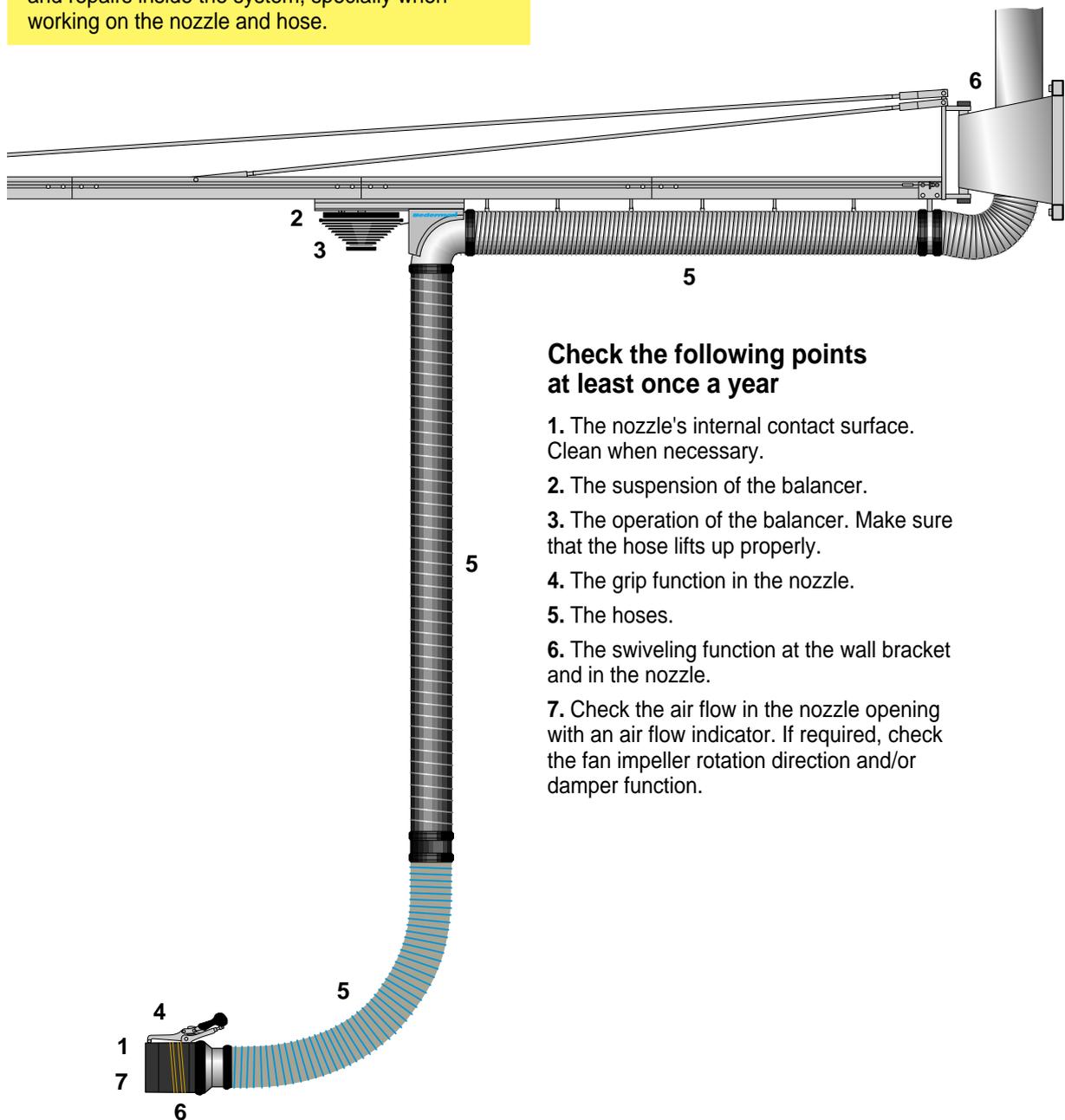
In order to ensure that the system continues to operate correctly, the following should be checked once a year or more often depending on the amount of use. Defective and worn parts should be replaced immediately.

### WARNING!



#### Risk of personal injury!

A dust filter mask should be used during service and repairs inside the system, specially when working on the nozzle and hose.



### Check the following points at least once a year

1. The nozzle's internal contact surface. Clean when necessary.
2. The suspension of the balancer.
3. The operation of the balancer. Make sure that the hose lifts up properly.
4. The grip function in the nozzle.
5. The hoses.
6. The swiveling function at the wall bracket and in the nozzle.
7. Check the air flow in the nozzle opening with an air flow indicator. If required, check the fan impeller rotation direction and/or damper function.

## SPARE PARTS

### Ordering Instructions

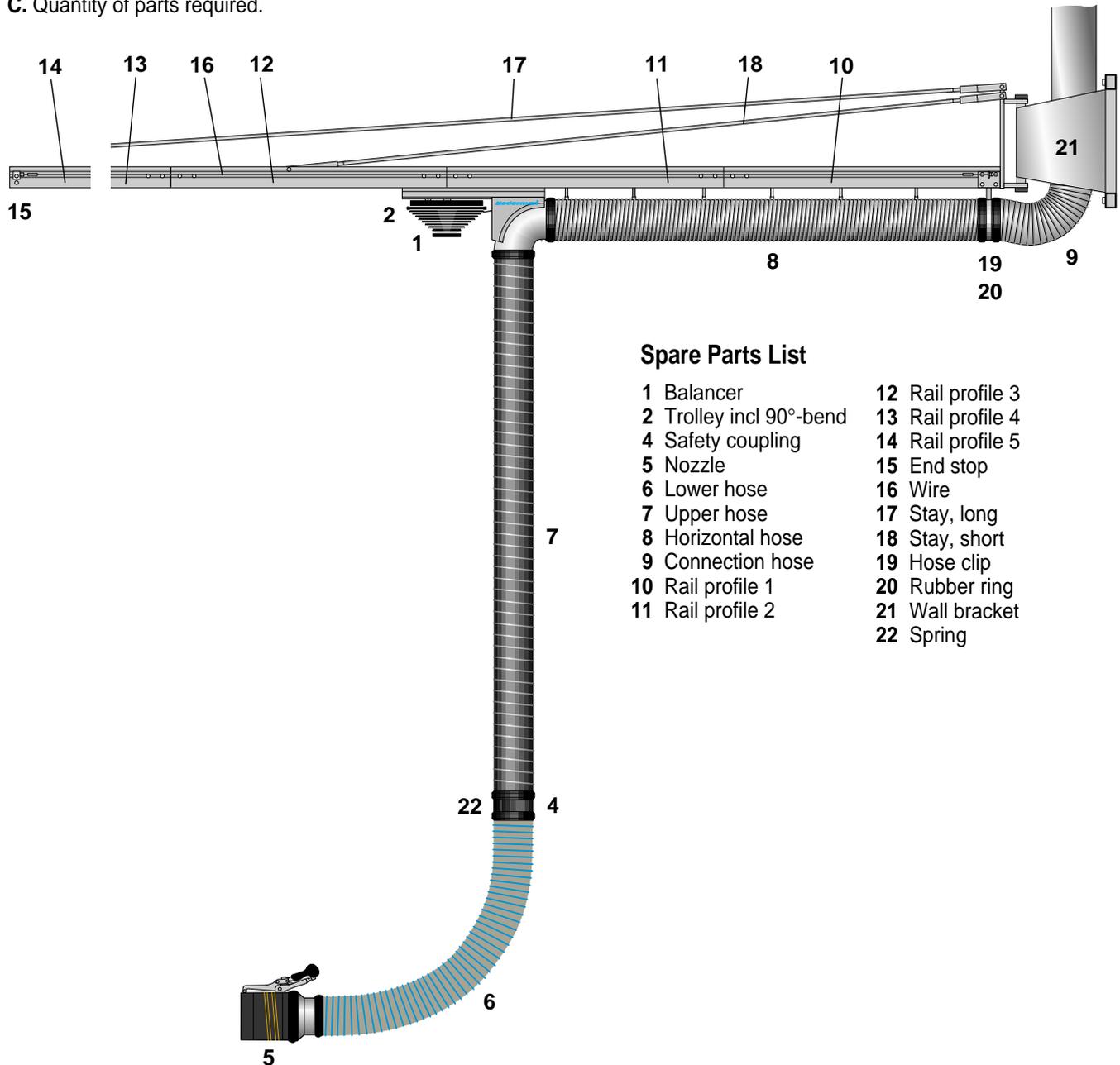
When ordering spare parts always indicate the following:

**A.** Part No. and Control No.

(see sign plates on balancer and wall bracket)

**B.** The spare part's name and number (see list below).

**C.** Quantity of parts required.



### Spare Parts List

- |                         |                   |
|-------------------------|-------------------|
| 1 Balancer              | 12 Rail profile 3 |
| 2 Trolley incl 90°-bend | 13 Rail profile 4 |
| 4 Safety coupling       | 14 Rail profile 5 |
| 5 Nozzle                | 15 End stop       |
| 6 Lower hose            | 16 Wire           |
| 7 Upper hose            | 17 Stay, long     |
| 8 Horizontal hose       | 18 Stay, short    |
| 9 Connection hose       | 19 Hose clip      |
| 10 Rail profile 1       | 20 Rubber ring    |
| 11 Rail profile 2       | 21 Wall bracket   |
|                         | 22 Spring         |

**Nederman**<sup>®</sup>  
Improving your workspace

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