

Outdoor front end

REPLACEMENT PARTCATALOGUE and ASSEMBLYMANUAL



Version: 20.10.2023



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Assembly manual outdoor front end

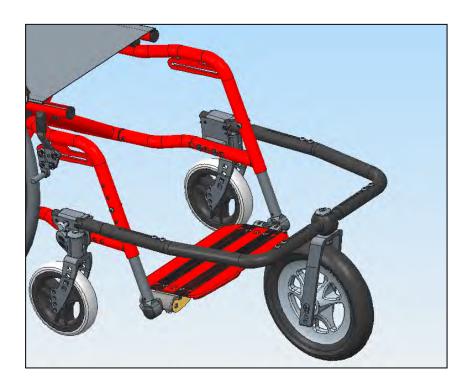
Attention, please note:

The outdoor front end is only approved up to the max. load of the wheelchair.

The outdoor front end is suitable for a maximum payload of 100 kg when installed on models from other manufacturers.



Telescopic outdoor front end for all models except Mio, Kika and Mio Move



Attention, please note:

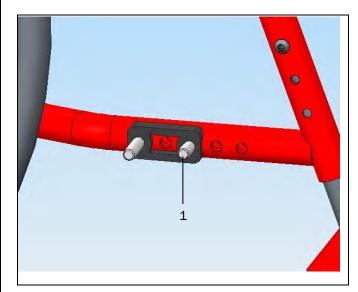
The outdoor front end is only approved up to the max. load of the wheelchair.

The outdoor front end is suitable for a maximum payload of 100 kg when installed on models from other manufacturers.

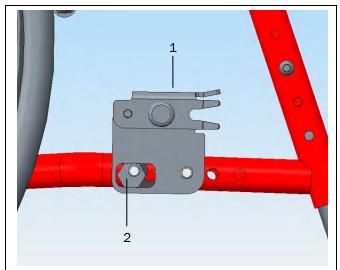


1. Assembly

1.1 Adapter

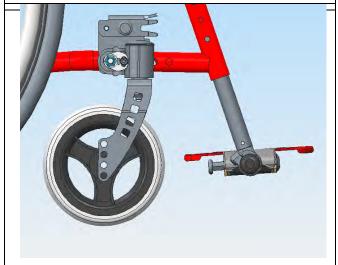


Remove the screws from the caster adapter attachment and replace them with the supplied set. The shorter of the two screws supplied is mounted at the front (item 1).



Mount the outdoor adapters (item 1) to the left and right between the half shell and the caster adapter such that the guide slot in the outdoor adapter points to the front.

Position the hexagon adjustment disc (item 2) in the recess provided for it.

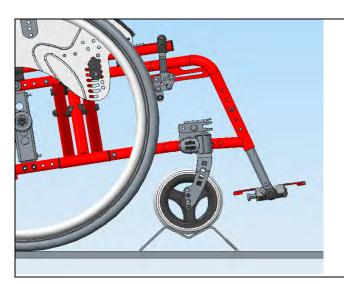


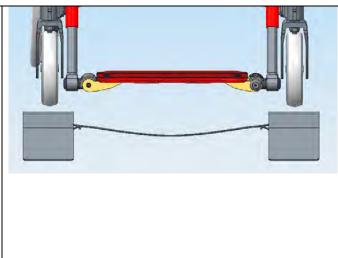
Align the caster adapter perpendicular to the ground.



1.2 Jack up aid

Align the swivel casters of your wheelchair so that they point straight ahead. Position the two jack up aids so that they are approximately in the middle of the swivel casters. Then tie the cord so that it is loosely tensioned in this position between the two jack up aids.

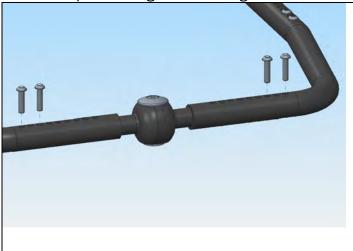


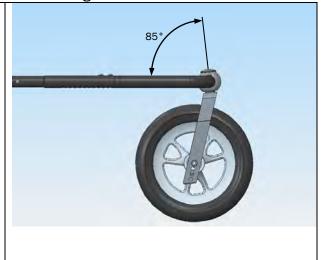


1.3.1 Outdoor front end (set width)

There are 3 sizes of the front end component, referred to here as size 1, size 2 and size 3. You will be automatically supplied with the right size for your wheelchair ex works. The width of the front end component may have to be adjusted to the width of your wheelchair. To do so, remove the screw fittings from the front part of the front end and set the correct width. Retighten the screw fittings firmly (tightening torque 10Nm). The exact adjustment positions and the bores to be used are described in Chapter 3 "Model overview" and cover all suitable wheelchair models.

Remove the screw fittings in the front part of the front end and set the correct width here. Ensure that the telescopic steering head bearing incl. caster is fitted at an angle of 5°.

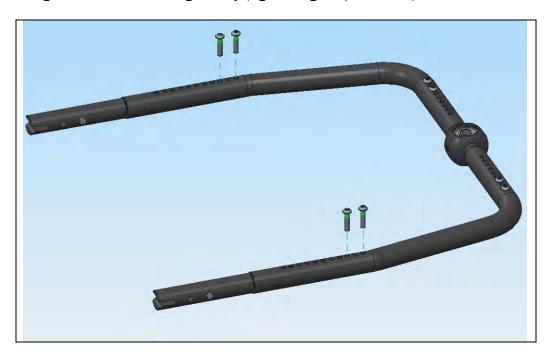






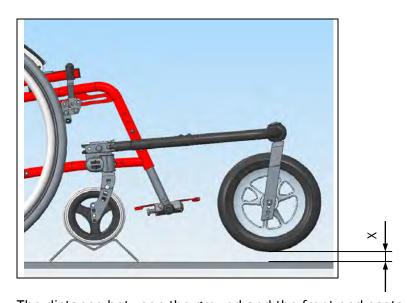
1.3.2 Outdoor front end (set length)

The outdoor front end can also be telescoped in length. You can adjust the front end tubes to your desired length. To do so, remove the screw fittings on the front end tubes and set the correct length. Retighten the screw fittings firmly (tightening torque 10Nm).



1.4 Height adjustment of the outdoor front end

Place the wheelchair on a level surface with the front end attached and the casters on the jack up aid. The front end caster should now have a distance (X) of 20 to 25mm to the ground.



The distance between the ground and the front end caster can be adjusted in two ways.

- Shifting of the front end caster in the caster fork. Retighten the screw fittings after setting firmly (tightening torque 7Nm).
- By turning the hexagon adjustment disc (the mounting angle of the outdoor adapter is changed here), see page 3, item 2. Please note that the rear screw fittings of the caster adapter must be removed again here.



1.5 Splash guard (optional)

Remove the nut and washer from the caster fork. Use the splash guard instead of the washer. Then

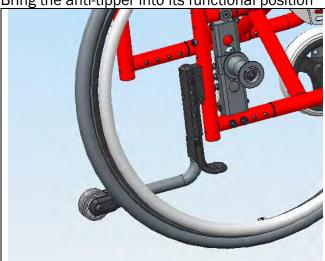
retighten the screw fittings firmly.



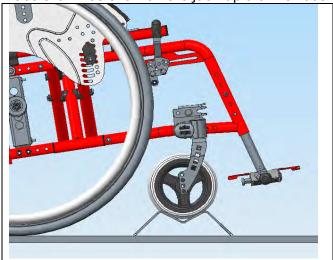


2. Operation

Bring the anti-tipper into its functional position

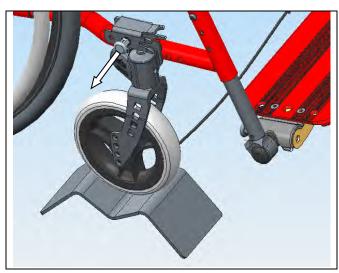


Place the wheelchair on the jack up aid with both steering casters.



Apply the wheel lock of the wheelchair. Lock the latch, left and right, in the open position

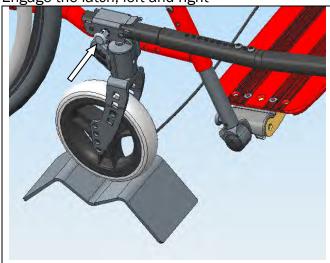




Evenly insert the front end, left and right, into the adapters up to the stop.



Engage the latch, left and right



Please check that the structure is securely positioned in the intake and locked into place correctly. Release the wheel lock and lower the wheelchair from the jack up aid.



3. Model overview / Size chart for assembly without Hemi adapter

| Model SW | 24 | 26 | 28 | 30 | 32 | 34 | 36 | 38 | 40 | 42 | 44 | 46 | 48 | 50 | 52 | 54 |
|-----------------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|----|
| Jump alpha abducted | size 1 3 | size 2 | size 2 2 | size 2 3 | size 2 4 | size 2 1 | size 4 2 | size 4 3 | | | | | | | | |
| Jump alpha straight | | | size 1 2 | size 1 3 | size 2 1 | size 2 2 | size 2 3 | size 2 4 | | | | | | | | |
| Jump beta abducted | | | | size 2 3 | size 2 4 | size 4 | size 4 2 | size 4 3 | size 4 4 | size 4 5 | size 4 6 | size 4 7 | size 4 8 | size 5 4 | | |
| Jump beta straight | | | | size 1 3 | size 2 1 | size 2 2 | size 2 3 | size 2 4 | size 4 1 | size 4 2 | size 4 3 | size 4 4 | size 4 5 | size 4 6 | | |
| Vector abducted | | size 2 1 | size 2 2 | size 2 3 | size 3 4 | size 4 1 | size 4 2 | size 4 3 | size 4 4 | size 4 5 | size 4 6 | size 5 2 | | | | |
| Vector straight, cro. | | | size 1 2 | size 1 3 | size 2 1 | size 2 2 | size 2 3 | size 3 4 | size 4 1 | size 4 | size 4 | size 4 4 | | | | |
| Tilty Vario | | | Size 3 4 | Size 4 1 | Size 4 | Size 4 | Size 4 4 | Size 4 5 | Size 4 6 | Size 5 | Size 5 | | | | | |
| Loop | | | | size 4 1 | | size 4 3 | | size 4 5 | | size 5 2 | | size 5 4 | | size 5 6 | | |
| Loop RS | | Size 2 | Size 3 4 | Size 4 1 | Size 4 2 | Size 4 | Size 4 4 | Size 4 5 | Size 4 6 | Size 5 | Size 6 2 | |

^{*}Trend, Trend Sport (no Hemi)

Legend size 1 Front end tube small, size 1 (together with telescopic steering head bearing 205)

size 2 Front end tube medium, size 2 (together with telescopic steering head bearing

205)

size 3 Front end tube large, size 3 (together with telescopic steering head bearing 205)

size 4 Front end tube large, size 3 (together with telescopic steering head bearing 285)

size 5 Front end tube XL, size 4 (together with telescopic steering head bearing 285)

Green (without stripes):

Yellow (horizontally striped):

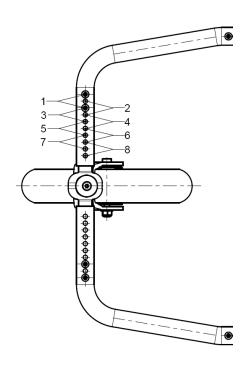
Orange (diagonally striped):

4cm growable 2cm growable

Wheelchair not growable or growable via

side guards

1 - 8: Screw fitting as shown in the drawing below.





3.1 Model overview / Size chart for assembly with Hemi adapter

Attention: When mounting the Hemi adapter with a caster distance of 10mm, please choose a larger seat width.

| Model SW | 24 | 26 | 28 | 30 | 32 | 34 | 36 | 38 | 40 | 42 | 44 | 46 | 48 | 50 | 52 | 54 |
|-----------------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|----|
| Jump alpha abducted | size 2 4 | size 4 1 | size 4 2 | size 4 3 | size 4 4 | size 4 5 | size 4 6 | size 4 7 | size 4 8 | | | | | | | |
| Jump alpha straight | | | size 2 3 | size 2 4 | size 4 1 | size 4 2 | size 4 3 | size 4 4 | size 4 5 | | | | | | | |
| Jump beta abducted | | | | size 4 3 | size 4 4 | size 4 5 | size 4 6 | size 4 7 | size 4 8 | size 5 4 | size 5 5 | size 5 6 | size 6 3 | size 6 4 | size 6 5 | |
| Jump beta straight | | | | size 2 4 | size 4 1 | size 4 2 | size 4 3 | size 4 4 | size 4 5 | size 4 6 | size 4 7 | size 4 8 | size 5 4 | size 5 5 | size 5 6 | |
| Vector abducted | | size 4 1 | size 4 2 | size 4 3 | size 4 4 | size 4 5 | size 4 6 | size 5 | size 5 | size 5 4 | size 5 | size 5 | size 6 | | | |
| Vector straight, cro. | | | size 2 | size 3 4 | size 4 1 | size 4 2 | size 4 3 | size 4 4 | size 4 5 | size 4 6 | size 5 | size 5 | size 5 4 | | | |
| Tilty Vario | | | Size 4 4 | Size 4 5 | Size 4 | Size 5 | Size 6 | Size 6 4 | | | | |
| Loop | | | | size 4 5 | | size 5 2 | | size 5 4 | | size 5 | | size 6 4 | | size 6 | | |
| Loop RS | | Size 4 | Size 4 4 | Size 4 5 | Size 5 | Size 5 2 | Gr.5 3 | Size 5 4 | Size 5 5 | Size 5 | size 6 | size 6 4 | size 6 5 | size 6 | size 6 | |

Legend size 1 Front end tube small, size 1 (together with telescopic steering head bearing 205)

size 2 Front end tube medium, size 2 (together with telescopic steering head bearing

205)

size 3 Front end tube large, size 3 (together with telescopic steering head bearing 205)

size 4 Front end tube large, size 3 (together with telescopic steering head bearing 285)

size 5 Front end tube XL, size 4 (together with telescopic steering head bearing 285)

size 6 Front end tube XXL, size 5 (together with telescopic steering head bearing 285)

Green (without stripes):

Yellow (horizontally striped):

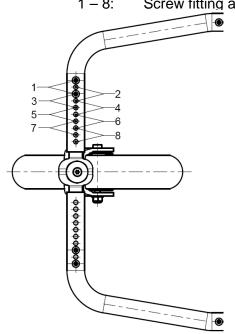
Orange (diagonally striped):

4cm growable 2cm growable

Wheelchair not growable or growable via

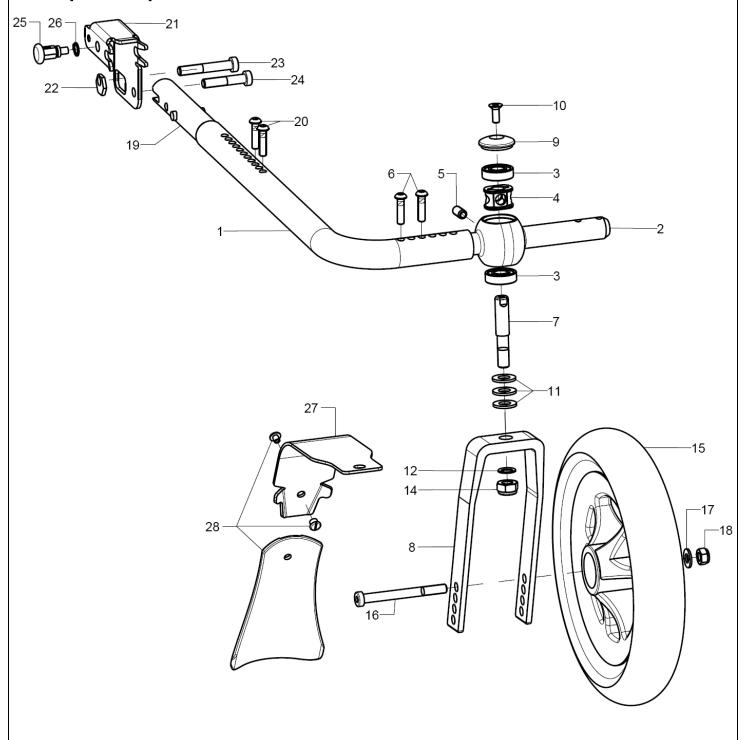
side guards

1 - 8: Screw fitting as shown in the drawing below.





4. Replacement parts list

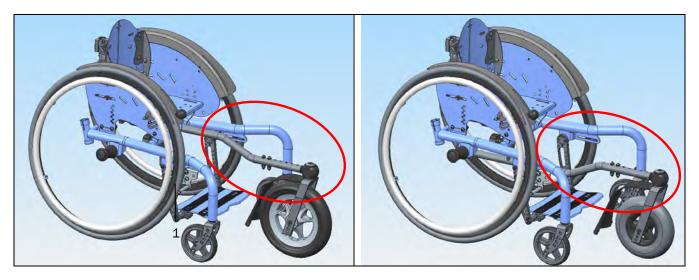




| Item | M/1 | Drawing No. | Type No. | Item designation | Variant |
|-----------------|------|-------------------|----------|---|--|
| 1 - 28 | | xxxxxxxxxxxx | | Telescopic outdoor front end cpl. | Wheelchair model, SW, frame variant (abducted, straight), track spacer |
| 1 | 2 | 59.95.20.07.00.00 | 59952007 | Front end tube size 1 for outdoor front end, telescopic | Wheelchair model, SW, frame variant (abducted, straight) |
| altern. | 2 | 59.95.20.08.00.00 | 59952008 | Front end tube size 2 for outdoor front end, telescopic | Wheelchair model, SW, frame variant (abducted, straight) |
| altern. | 2 | 59.95.20.09.00.00 | 59952009 | Front end tube size 3 for outdoor front end, telescopic | Wheelchair model, SW, frame variant (abducted, straight) |
| altern. | 2 | | 59952010 | Front end tube size 4 for outdoor front end, telescopic | Wheelchair model, SW, frame variant (abducted, straight) |
| 2 - 6 | 1 | 59.95.20.01.40.00 | 59952002 | Telescopic unit 205 mm incl. ball bearing, damper element, pressure spring piece and assembly screws | Wheelchair model, SW, frame variant (abducted, straight) |
| altern. | 1 | 59.95.20.02.40.00 | 59952003 | Telescopic unit 285 mm incl. ball bearing, damper element, pressure spring piece and assembly screws | Wheelchair model, SW, frame variant (abducted, straight) |
| 3 | 2 | | 200011 | Deep groove ball bearing ø 28/12x8 6001z | |
| 4 | 1 | 28.05.01.04.00.00 | | Damper element | |
| 5 | 1 | 04.14.50.80.21.20 | 285103 | Pressure spring piece M8x19 | |
| 6 | 4 | | | Pan-head screw with hexagon socket. ISO 7380, M6x25, Tuflock | |
| 7 | 1 | 28.50.00.03.00.10 | 285101 | Steering axle 65 mm for track fixation | |
| 8 | | 28.44.01.01.00.00 | 2844 | Caster fork 60x189, black for outdoor front end | |
| 9 - 14 | 1 | | 284499 | Assembly set caster fork outdoor front end; (cover cap, Torx screw, washers, nut) | |
| 9-10 | 1 | 28.21.07.02.00.10 | 282108 | Cover cap aluminium ø 32, black (caster/outdoor front end) incl. assembly screw M6x16 Torx) | |
| 10 | 1 | | | Countersunk screw with Torx ISO 14581 - M6x16 vz, black | |
| 11 | 3(2) | | | Washer DIN 125 - A 10.5 | 2 pcs. for splash guard assembly |
| 12 | 1 | | | Securing washer S10 - FST vz | |
| 014 | 1 | | | Hexagon nut self-locking low form DIN 985-M10 | |
| 15 | 1 | 04.52.43.10.00.10 | 2837 | Caster ø250x50, 6 spokes for outdoor front end incl. pneumatic tyres black | |
| 16 -18 | 1 | | 283799 | Assembly set caster outdoor front end (cylinder screw M8x80, washer, nut) | |
| 16 | 1 | | | Cylinder screw DIN 7984 M8x80 | |
| 17 | 1 | | | Washer DIN 125 - A 8.4 | |
| 18 | 1 | | | Hexagon nut self-locking low form DIN 985 - M8 | |
| 19 -20 | 2 | 59.95.20.04.00.00 | 59952004 | Telescopic adapter 268 mm, black incl. assembly screws | |
| 20 | 4 | | | Pan-head screw with hexagon socket. ISO 7380, M6x25, Tuflock | |
| 21 | 1 | 59.95.01.01.02.10 | 599502 | Adapter right (outdoor front end) incl. latch | |
| undisc losed | 1 | 59.95.01.01.01.10 | 599501 | Adapter left (outdoor front end) incl. latch | |
| | 2 | | 59950199 | Assembly set adapter for outdoor front end (2 cylinder head screws for installation on frame with ø24 mm) | |
| 22 | 1 | 59.95.01.06.00.10 | | Adjustment disc hexagonal | |
| 23 | 1 | | | Cylinder-head screw DIN 7984 M8x | Wheelchair, track spacer |
| 24 | 1 | | | Cylinder-head screw DIN 7984 M8x | Wheelchair, track spacer |
| 25 -26 | 1 | 04.14.43.60.02.00 | 690101 | Latch ø6/M10x1x31 with locking device incl. safety ring | |
| 26 | 1 | | | Safety ring 10, DIN 471 | |
| 27 -28 | 1 | 59.95.20.10.00.00 | 59952012 | Plastic splash guard incl. holder | |
| 27 | 1 | 59.95.20.11.01.00 | | Splash guard holder | |
| 28 | 1 | 59.95.20.12.00.00 | 59952013 | Plastic splash guard for outdoor front end | |



Outdoor front end for wheelchair model Mio + Mio Carbon Design 2018



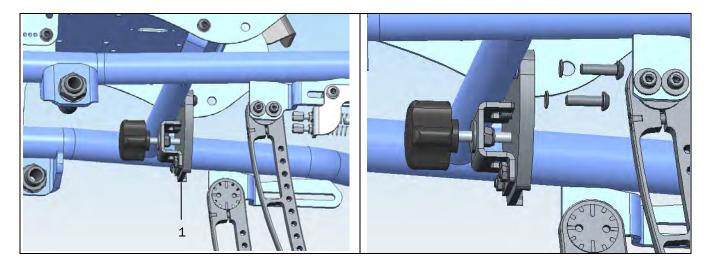
Assembly with long lower leg length (from approx. 15cm)

Assembly with short lower leg length (up to approx. 15cm)

1. Assembly

1.1 Holding plate on the front crossbeam

Mount the pre-assembled holding plate (item 1) to the front frame crossbeam using the screws (panhead screw M6x20) and securing washers (Schnorr washer) supplied.

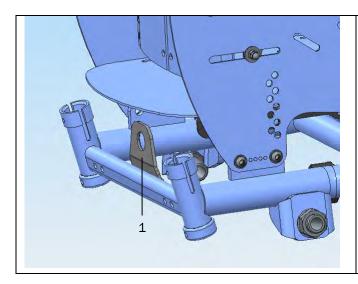


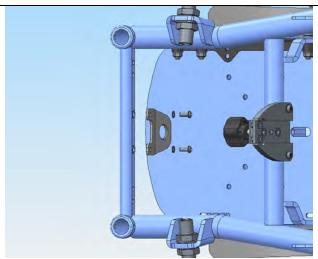


1.2 Rear holding plate on the rear crossbeam

1.2.1 With long lower leg lengths (from approx. 15cm)

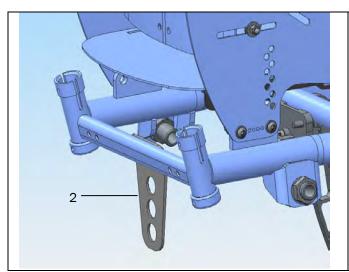
Attach the rear holding plate (item 1, one bore $\emptyset18$ mm) to the rear crossbeam using the pan-head screws M5x12 and the Schnorr washers (for Mio Carbon ^{Design 2018} pan-head screw DIN7980 M6x35 + 2x washer DIN125 M6, and safety cap nut DIN986 M6).

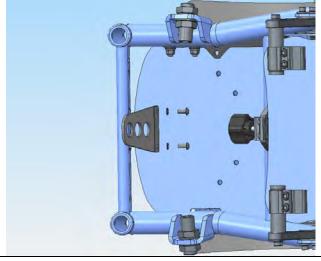




1.2.2 With short lower leg lengths (up to approx. 15cm)

Attach the rear holding plate (item 2, three bores $\emptyset18$ mm) to the rear crossbeam using the pan-head screws M5x12 and the Schnorr washers.





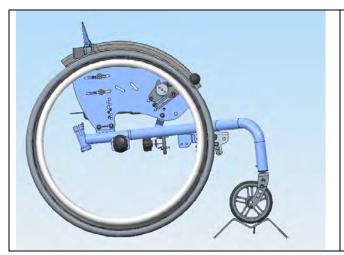


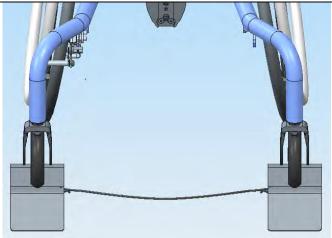
1.3 Jack up aid

Align the swivel casters of your wheelchair so that they point straight ahead.

Position the jack up aid so that it is approximately in the middle of the swivel casters.

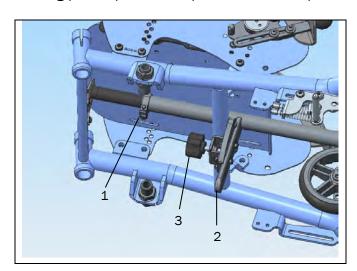
Then tie the cord so that it is loosely tensioned in this position between the two jack up aids. Apply the wheel lock of the wheelchair.





1.4 Assembly of the front end component

Open the clamp (item 1) of the cone tube. Insert the guiding pins of the height adjustment (item 2) into the front holding plate. Tighten the star grip (item 3) firmly. Insert the cone tube into the rear holding plate up to the stop. Close the clamp of the cone tube.



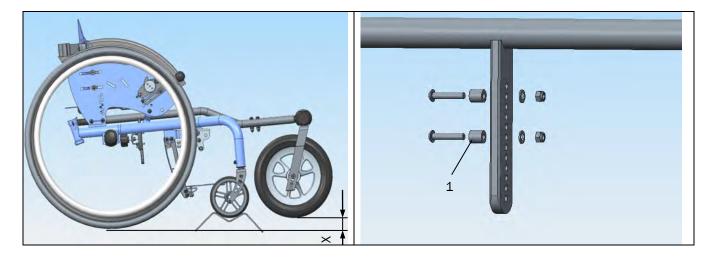


1.5 Height adjustment of the outdoor front end

The front end caster should now have a distance (X) of 20 to 25mm to the ground.

The distance between the ground and the front end caster can be adjusted in two ways.

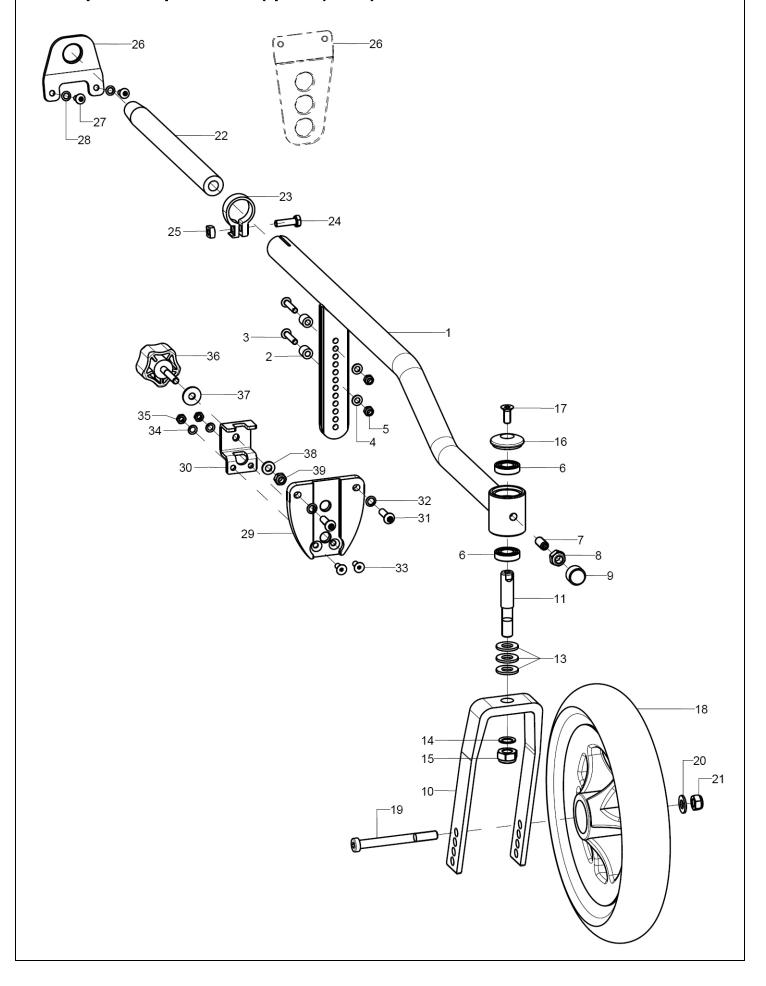
- Shifting of the front end caster in the caster fork. Retighten the screw fittings after setting firmly (tightening torque 7Nm).
- By shifting the intake pins (item 1) in the height adjustment.



Please check that the structure is securely positioned in the intake and locked into place correctly. Release the wheel lock and lower the wheelchair from the jack up aid.



2.1 Replacement parts list Mio (up to XX/2015)

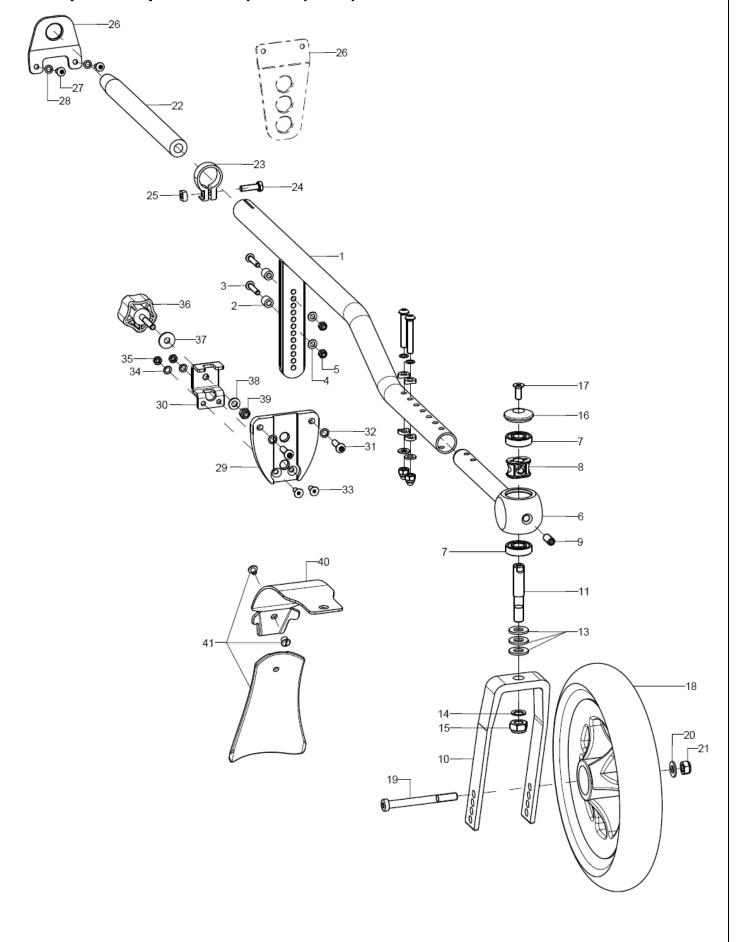




| Item | M/1 | Drawing No. | Type No. | Item designation | Variant |
|---------|------|-------------------|----------|---|---|
| 1 - 39 | 1 | XXXXXXXXXXXXXXX | 599517 | Outdoor front end for Mio, cpl. (please specify LLL) | Lower leg length > 16 cm Lower leg length <16 cm |
| 1-9 | 1 | 59.95.15.01.00.73 | 59957301 | Front end tube black for outdoor front end, Mio incl. ball bearing, pressure spring piece and screw fitting | Lower leg length VIO em |
| 2 | 2 | | | Distance sleeve N0370, Ø10xM6x10 | |
| 3 | 2 | | | Pan-head screw with hexagon socket ISO 7380, M5x25 | |
| 4 | 2 | | | Washer DIN 125 - A 5.3 | |
| 5 | 2 | | | Hexagon nut self-locking low form DIN 985 - M5 | |
| 6 | 2 | | | Deep groove ball bearing ø24/12x6 | |
| 7-9 | 1 | | 285103 | Pressure spring piece M8x19 incl. nut and cap | |
| 8 | 1 | | | Hexagon nut self-locking low form DIN 985 - M8 | |
| 9 | 1 | | | Hexagonal protective cap for SW13, black, (M8 | |
| 10 | 1 | 28.44.01.01.00.00 | 2844 | Caster fork 60x189, black for outdoor front end | |
| 11 | 1 | 28.50.00.03.00.10 | 285101 | Steering axle 65 mm for track fixation | |
| 13 -17 | 1 | | 284499 | Assembly set caster fork outdoor front end; (cover cap, Torx screw, washers, nut) | |
| 13 | 3(2) | | | Washer DIN 125 - A 10.5 | 2 pcs. for splash guard assembly |
| 14 | 1 | | | Securing washer S10 - FST vz | |
| 15 | 1 | | | Hexagon nut self-locking low form DIN 985-M10 | |
| 16 | 1 | | 282108 | Adapter cap | |
| 17 | 1 | | | Countersunk screw with Torx ISO 14581 - M6x16 vz, black | |
| 18 | 1 | 04.52.43.10.00.10 | 2837 | Caster ø250x50, 6 spokes for outdoor front end incl. pneumatic tyres black | |
| 19 -21 | 1 | | 283799 | Assembly set caster outdoor front end (cylinder screw M8x80, washer, nut) | |
| 19 | 1 | | | Cylinder screw DIN 7984 M8x80 | |
| 20 | 1 | | | Washer DIN 125 - A 8.4 | |
| 21 | 1 | | | Hexagon nut self-locking low form DIN 985 - M8 | |
| 22 -25 | 1 | 59.95.15.04.00.73 | 59957304 | Cone tube Ø20x5x230 incl. assembly accessories | |
| 23 | 1 | 59.95.15.06.00.73 | | Clamp D24 | |
| 24 | 1 | | | Hexagon head screw DIN 933 M6x20 - 8.8 vz | |
| 25 | 1 | | | Hexagon nut self-locking low form DIN 985 – M6 | |
| 26 -28 | 1 | 59.95.15.05.00.73 | 59957305 | Holding plate rear short, black for OTV Mio incl. assembly material | Lower leg length from 16 cm |
| altern. | 1 | 59.95.15.09.00.73 | 59957306 | Holding plate rear long, black for OTV Mio incl. assembly material | Lower leg length <16 cm |
| 27 | 2 | | | Pan-head screw with hexagon socket ISO 7380, M5x12 | |
| 28 | 2 | | | Securing washer S5 - FST vz | |
| 29 -39 | 1 | 59.95.15.03.00.73 | 59957303 | Holding plate front, black for OTV Mio incl. spacer with star grip and assembly material | |
| 30 | 1 | 59.95.15.08.00.73 | | Spacer | |
| 31 | 2 | | | Pan-head screw with hexagon socket ISO 7380, M6x20 | |
| 32 | 2 | | | Securing washer S6 - FST vz | |
| 33 | 2 | | | Countersunk screw with hexagon socket DIN 7991 M5x12 - A2 | |
| 34 | 2 | | | Securing washer S5 - FST vz | |
| 35 | 2 | | | Low hexagon nut DIN 439 M5 | |
| 36 | 1 | | | 5 star grip ø40 - M6x35 external thread, black | |
| 37 | 1 | | | Washer DIN 9021 - 6.4 - St vz | |
| 38 | 1 | | | Washer DIN 125 - A 6.4 - PA black | |
| 39 | 1 | | | Hexagon nut self-locking low form DIN 985 – M6 | |



2.2 Replacement parts list Mio (from XX/2015) + Mio Carbon $^{\text{Design }2018}$





| Item | M/1 | Drawing No. | Type No. | Item designation | Variant |
|-----------------|------|-------------------|----------|---|---|
| 1 - 41 | 1 | xxxxxxxxxxx | 599517 | Telescopic outdoor front end for Mio, cpl. (please specify LLL) | Lower leg length > 16 cm Lower leg length <16 cm Mio Carbon Design 2018 |
| 1-5 | 1 | 59.95.15.01.00.73 | 59957302 | Front end tube black for outdoor front end, Mio incl. screw fitting | |
| 2 | 2 | | | Distance sleeve N0370, Ø10xM6x10 | |
| 3 | 2 | | | Pan-head screw with hexagon socket ISO 7380, M5x25 | |
| 4 | 2 | | | Washer DIN 125 - A 5.3 | |
| 5 | 2 | | | Hexagon nut self-locking low form DIN 985 – M5 | |
| 6-8 | 1 | 59.95.35.09.00.77 | 59957310 | Telescopic steering head bearing pre-assembled | |
| 7 | 2 | | 200011 | Deep groove ball bearing ø 28/12x8 6001z | |
| 8 | 1 | 28.05.01.04.00.00 | | Damper element | |
| 9 | 1 | | 285103 | Pressure spring piece M8x19 | |
| 10 | 1 | 28.44.01.01.00.00 | 2844 | Caster fork 60x189, black for outdoor front end | |
| 11 | 1 | 28.50.00.03.00.10 | 285101 | Steering axle 65 mm for track fixation | |
| 13 -17 | 1 | | 284499 | Assembly set caster fork outdoor front end; (cover cap, Torx screw, washers, nut) | |
| 13 | 3(2) | | | Washer DIN 125 - A 10.5 | 2 pcs. for splash guard assembly |
| 14 | 1 | | | Securing washer S10 - FST vz | |
| 15 | 1 | | | Hexagon nut self-locking low form DIN 985-M10 | |
| 16-17 | 1 | 28.21.07.02.00.10 | 282108 | Cover cap aluminium ø 32, black (caster/outdoor front end) incl. assembly screw M6x16 Torx) | |
| 17 | 1 | | | Countersunk screw with Torx ISO 14581 - M6x16 vz, black | |
| 18 | 1 | 04.52.43.10.00.10 | 2837 | Caster ø250x50, 6 spokes for outdoor front end incl. pneumatic tyres black | |
| 19 -21 | 1 | | 283799 | Assembly set caster outdoor front end (cylinder screw M8x80, washer, nut) | |
| 19 | 1 | | | Cylinder screw DIN 7984 M8x80 | |
| 20 | 1 | | | Washer DIN 125 - A 8.4 | |
| 21 | 1 | | | Hexagon nut self-locking low form DIN 985 – M8 | |
| 22 -25 | 1 | 59.95.15.04.00.73 | 59957304 | Cone tube Ø20x5x230 incl. assembly accessories | |
| 23 | 1 | 59.95.15.06.00.73 | | Clamp D24 | |
| 24 | 1 | | | Hexagon head screw DIN 933 M6x20 - 8.8 vz | |
| 25 | 1 | | | Hexagon nut self-locking low form DIN 985 – M6 | |
| 26 -28 | 1 | 59.95.15.05.00.73 | 59957305 | Holding plate rear short, black for OTV Mio incl. assembly material | Lower leg length from 16 cm |
| altern. | 1 | 59.95.15.09.00.73 | 59957306 | Holding plate rear long, black for OTV Mio incl. assembly material | Lower leg length <16 cm |
| altern. | 1 | 59.95.16.10.00.73 | 59957307 | Holding plate rear, black for outdoor front end for Mio Carbon 2018 | For Mio Carbon Design 2018 |
| 27 | 2 | | | Pan-head screw with hexagon socket ISO 7380, M5x12 | |
| 28 | 2 | | | Securing washer S5 - FST vz | |
| undisc losed | 2 | | | Pan-head screw with hexagon socket ISO 7380, M6x35 | For Mio Carbon Design 2018 |
| undisc losed | 4 | | | Washer DIN 125 - A 6.4 | For Mio Carbon Design 2018 |
| undisc losed | 2 | | | Cap nut with clamping part DIN 986 - M6 | For Mio Carbon Design 2018 |
| 29 -39 | 1 | 59.95.15.03.00.73 | 59957303 | Holding plate front, black for OTV Mio incl. spacer with star grip and assembly material | |
| 30 | 1 | 59.95.15.08.00.73 | | Spacer | |
| 31 | 2 | | | Pan-head screw with hexagon socket ISO 7380, M6x20 | |
| 32 | 2 | | | Securing washer S6 - FST vz | |
| 33 | 2 | | | Countersunk screw with hexagon socket DIN 7991 M5x12 - A2 | |
| 34 | 2 | | | Securing washer S5 - FST vz | |
| 35 | 2 | | | Low hexagon nut DIN 439 M5 | |
| 36 | 1 | | | 5 star grip ø40 - M6x35 external thread, black | |



| 37 | 1 | | | Washer DIN 9021 - 6.4 - St vz | |
|-------|---|-------------------|----------|--|--|
| 38 | 1 | | | Washer DIN 125 - A 6.4 - PA black | |
| 39 | 1 | | | Hexagon nut self-locking low form DIN 985 – M6 | |
| 40-41 | 1 | 59.95.20.10.00.00 | 59952012 | Plastic splash guard incl. holder | |
| 40 | 1 | 59.95.20.11.01.00 | | Splash guard holder | |
| 41 | 1 | 59.95.20.12.00.00 | 59952013 | Plastic splash guard for outdoor front end | |



Outdoor front end for wheelchair model Mio Move from 2017



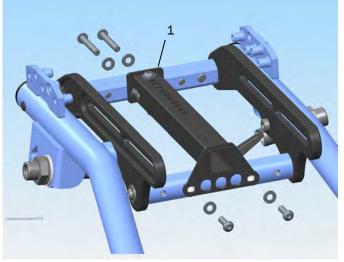
1 Assembly

The outdoor front end comes in 3 sizes, depending on the driving wheel size. You will be automatically supplied with the right size for your wheelchair ex works.

1.1 Mounting the intake on the wheelchair

Mount the intake (item 1) on the frame.







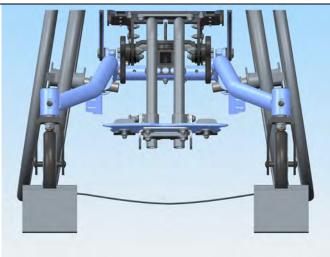
1.2 Jack up aid

Align the swivel casters of your wheelchair so that they point straight ahead.

Position the two jack up aids so that they are approximately in the middle of the swivel casters.

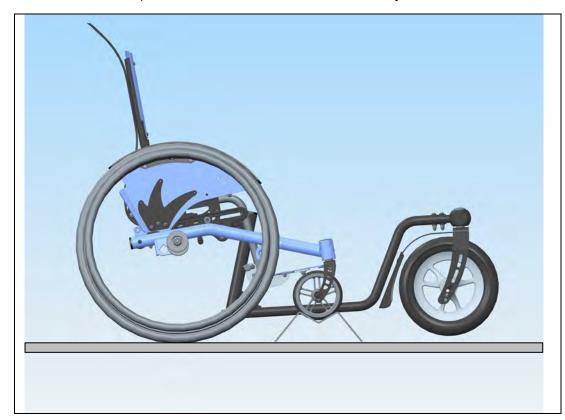
Then tie the cord so that it is loosely tensioned in this position between the two jack up aids. Apply the wheel lock.





1.3 Insert front end component

Now insert the front end component into the intake that has already been mounted.

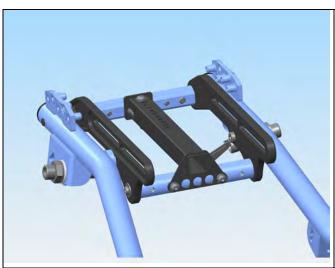


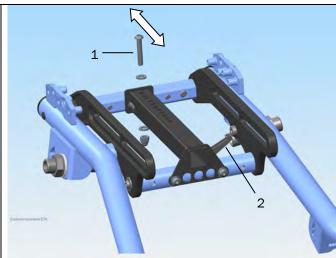
l



You are now able to adjust the insertion depth of the front end component.

Adjust the stop screw so that the footrest does not collide with the front end component when the seat is tilted. The stop screw can be mounted in both the vertical and the horizontal bores. Tighten the clamp lever (item 2) firmly after mounting the front end component.





1.4 Splash guard (optional)

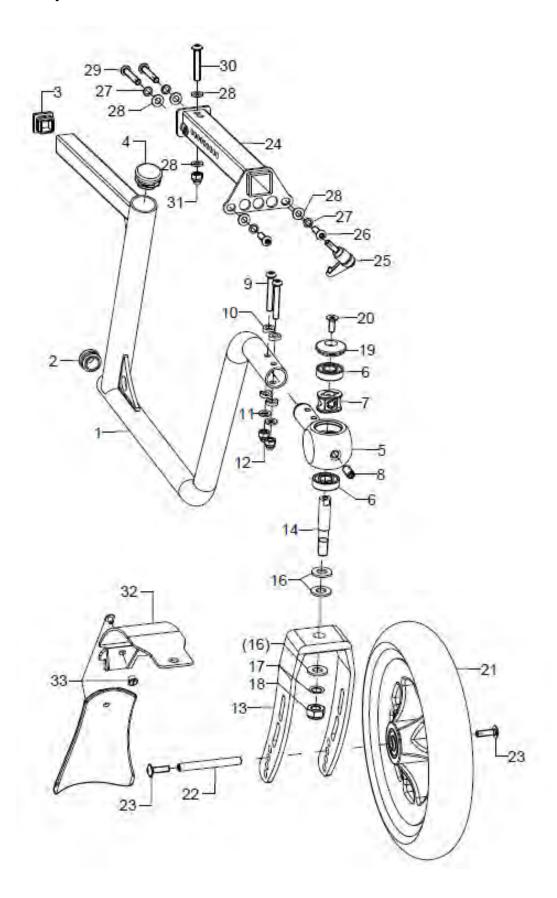
Remove the nut and washer from the caster fork. Use the splash guard instead of the washer. Then retighten the screw fittings firmly.







2. Replacement parts list Mio Move from 2017





| Item | M/1 | Drawing No. | Type No. | Item designation | Variant |
|-----------------|------|-------------------|----------|--|----------------------------------|
| 1-32 | 1 | 59.95.36.20.00.77 | 59953620 | Outdoor front end for 20" wheel size cpl. (Mio Move) | |
| undisc losed | 1 | 59.95.36.22.00.77 | 59953622 | Outdoor front end for 22" wheel size cpl. (Mio Move) | |
| undisc losed | 1 | 59.95.36.24.00.77 | 59953624 | Outdoor front end for 24" wheel size cpl. (Mio Move) | |
| 1-4 | 1 | 59.95.36.20.00.77 | 59953604 | Front end tube bent, black for outdoor front end/OTV at 20" incl. plug and assembly material | |
| undisc losed | 1 | 59.95.36.22.00.77 | 59953605 | Front end tube bent, black for outdoor front end/OTV at 22" incl. plug and assembly material | |
| undisc losed | 1 | 59.95.36.24.00.77 | 59953606 | Front end tube bent, black for outdoor front end/OTV at 24" incl. plug and assembly material | |
| 2 | 1 | 04.63.10.22.00.10 | | Plug with ribs for tube ø22x1-2, black | |
| 3 | 1 | 04.63.11.20.00.10 | | Ribbed plugs 20x20 | |
| 4 | 1 | 04.63.10.28.00.10 | | Plug for tube 28x1-3; black | |
| 5-12 | | 59.95.36.03.99.77 | 59953603 | Steering head bearing for outdoor front end/OTV with ball bearing and damper cpl. | |
| 6 | 2 | 04.32.12.08.00.10 | 200011 | Deep groove ball bearing Ø28/12x8 60001z | |
| 7 | 1 | 28.05.01.04.00.00 | | Damper element | |
| 8 | 1 | 04.14.50.80.21.20 | 285103 | Pressure spring piece M8x19 | |
| 9 | 2 | 01.42.08.60.65.00 | | Pan-head screw with hexagon socket ISO 7380- M6x40 | |
| 10 | 4 | 35.04.16.01.00.10 | | Saddle washer aluminium 6 | |
| 11 | 2 | 02.61.06.41.41.20 | | Washer DIN 125 - A 6.4 | |
| 12 | 2 | 02.33.00.60.11.20 | | Cap nut with clamping part DIN 986 - M6 - 6 | |
| 13 | 1 | 28.44.01.01.00.00 | 2844 | Caster fork 60x189, black for outdoor front end | |
| 14-20 | 1 | | 284499 | Assembly set caster fork outdoor front end (Cover cap, Torx screw, washers, nuts) | |
| 16 | 3(2) | 02.61.10.51.81.20 | | Washer DIN 125 - A 10.5 | 2 pcs. for splash guard assembly |
| 17 | 1 | 02.99.11.00.01.10 | | Securing washer S10 - FST vz | |
| 18 | 1 | 02.32.10.00.01.20 | | Hexagon nut self-locking DIN 985 - M10 | |
| 19-20 | 1 | 28.21.07.02.00.10 | 282108 | Cover cap aluminium ø 32, black (caster/outdoor front end) incl. assembly screw M6x16 Torx) | |
| 20 | 1 | 01.66.08.52.92.20 | | Countersunk screw with Torx ISO 14581 - M6x16 vz, black | |
| 21-23 | 1 | 04.52.43.10.00.10 | 2837 | Caster ø250x50, 6 spokes for outdoor front end incl. pneumatic tyres black | |
| 22 | 1 | 28.16.07.05.00.00 | | Caster sleeve 68X8XM6 | |
| 23 | 1 | 01.43.08.47.62.50 | | Pan-head screw ISO 7380-2 M6x20 black | |
| 24-30 | 1 | 59.95.36.01.00.77 | 59953601 | Square intake for outdoor front end/OTV, black 25x25mm incl. assembly material | |
| 25 | 1 | 04.13.10.60.16.50 | | Clamp lever adjustable M6x16, black | |
| 26 | 2 | 01.42.08.54.05.00 | | Pan-head screw with hexagon socket ISO 7380 - M6x20 | |
| 27 | 6 | 02.61.06.41.41.20 | | Washer DIN 125 - A 6.4 | |
| 28 | 2 | 01.42.08.60.65.00 | | Pan-head screw with hexagon socket ISO 7380 - M6x40 | |
| 29 | 1 | 01.42.08.59.65.00 | | Pan-head screw with hexagon socket ISO 7380 - M6x35 | |
| 30 | 1 | 02.33.00.60.11.20 | | Cap nut with clamping part DIN 986 - M6 | |
| 31-32 | 1 | | 59952012 | Plastic splash guard incl. holder | |
| 31 | 1 | 59.95.20.11.01.00 | | Splash guard holder | |
| 32 | 1 | 59.95.20.12.00.00 | 59952013 | Plastic splash guard for outdoor front end | |



Outdoor front end for wheelchair model Mio Design 2018



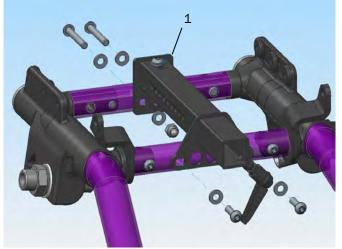
1 Assembly

1.1 Mounting the intake on the wheelchair

The intake for 20" and 22" driving wheels is assembled over the crossbeams as shown. The intake for 24" driving wheels is assembled under the crossbeams.

Mount the intake (item 1) on the frame.







Page **29** of **44**

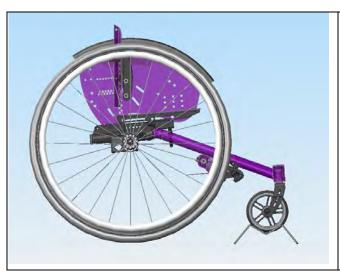


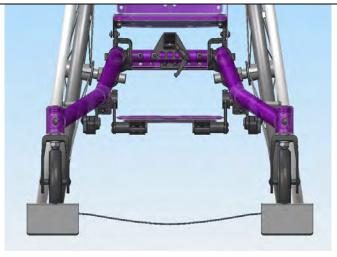
1.2 Jack up aid

Align the swivel casters of your wheelchair so that they point straight ahead.

Position the two jack up aids so that they are approximately in the middle of the swivel casters.

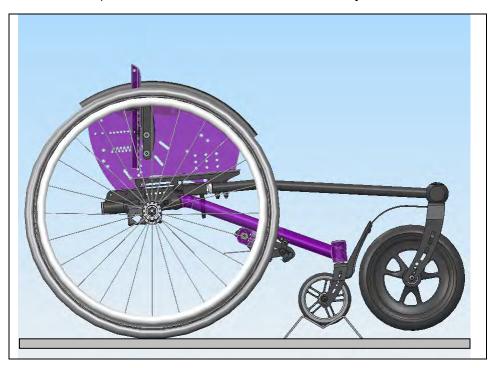
Then tie the cord so that it is loosely tensioned in this position between the two jack up aids. Apply the wheel lock.





1.3 Insert front end component

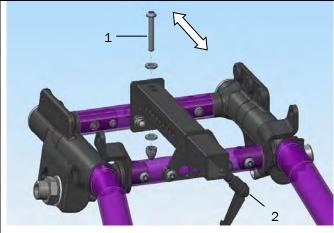
Now insert the front end component into the intake that has already been mounted.





You are now able to adjust the insertion depth of the front end component. The stop screw can be mounted in both the vertical and the horizontal bores. Tighten the clamp lever (item 2) firmly after mounting the front end component.





1.4 Splash guard (optional)

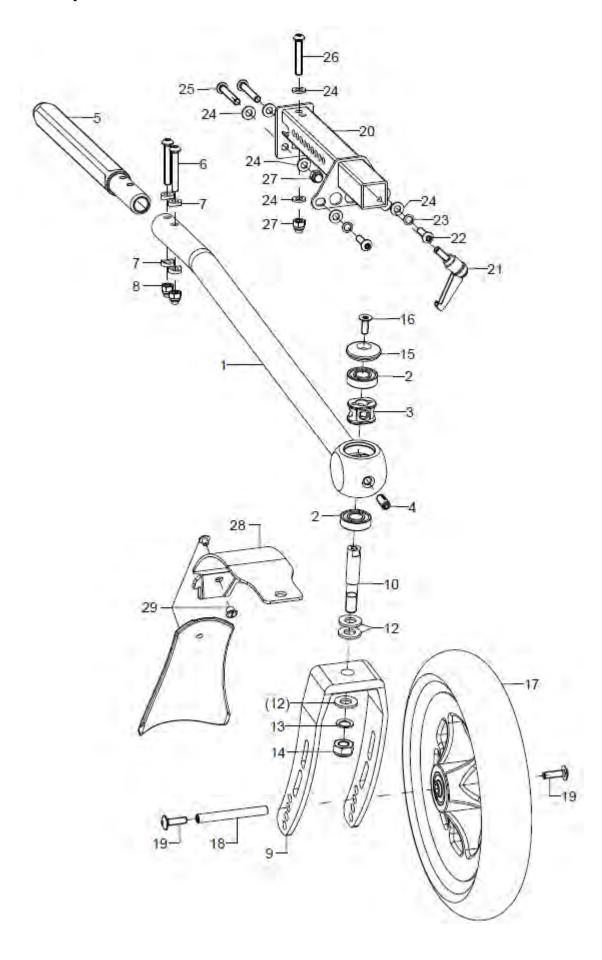
Remove the nut and washer from the caster fork. Use the splash guard instead of the washer. Then retighten the screw fittings firmly.







2. Replacement parts list Mio Design 2018





| Item | M/1 | Drawing No. | Type No. | Item designation | Variant |
|-------|-----|-------------------|----------|---|-----------------------------------|
| 1-27 | 1 | | 599536 | Outdoor front end for Mio Design 2018 | |
| 1-4 | 1 | 59.95.36.18.00.78 | 59953618 | Front end tube Mio Design 2018 incl. assembly material | |
| 2 | 2 | 04.32.12.08.00.10 | 200011 | Deep groove ball bearing Ø28/12x8 60001z | |
| 3 | 1 | 28.05.01.04.00.00 | | Damper element | |
| 4 | 1 | 04.14.50.80.21.20 | 285103 | Pressure spring piece M8x19 | |
| 5-8 | 1 | 59.95.36.16.00.78 | 59953616 | Mio-ODV adapter | |
| 6 | 2 | 01.42.08.60.65.00 | | Pan-head screw with hexagon socket ISO 7380- M6x40 | |
| 7 | 4 | 35.04.16.01.00.10 | | Saddle washer aluminium 6 | |
| 8 | 2 | 02.33.00.60.11.20 | | Cap nut with clamping part DIN 986 - M6 - 6 | |
| 9 | 1 | 28.44.01.01.00.00 | 2844 | Caster fork 60x189, black for outdoor front end | |
| 10 | 1 | | 285101 | Steering axle 65 mm for track fixation | |
| 12-17 | 1 | | 284499 | Assembly set caster fork outdoor front end (Cover cap, Torx screw, washers, nuts) | |
| 12 | 2 | 02.61.10.51.81.20 | | Washer DIN 125 - A 10.5 | |
| 13 | 1 | 02.61.10.51.81.20 | | Washer DIN 125 - A 10.5 | For assembly without splash guard |
| 14 | 1 | 02.99.11.00.01.10 | | Securing washer S10 - FST vz | |
| 15 | 1 | 02.32.10.00.01.20 | | Hexagon nut self-locking DIN 985 - M10 | |
| 16-17 | 1 | 28.21.07.02.00.10 | 282108 | Cover cap aluminium ø 32, black (caster/outdoor front end) incl. assembly screw M6x16 Torx) | |
| 17 | 1 | 01.66.08.52.92.20 | | Countersunk screw with Torx ISO 14581 - M6x16 vz, black | |
| 18-20 | 1 | 04.52.43.10.00.10 | 2837 | Caster ø250x50, 6 spokes for outdoor front end incl. pneumatic tyres black | |
| 19 | 1 | 28.16.07.05.00.00 | | Caster sleeve 68X8XM6 | |
| 20 | 2 | 01.43.08.47.62.50 | | Pan-head screw ISO 7380-2 M6x20 black | |
| 21-27 | 1 | 59.95.36.15.00.78 | 59953615 | Mio-ODV intake welded | |
| 22 | 1 | 04.13.10.60.16.50 | | Clamp lever adjustable M6x16, black | |
| 23 | 2 | 01.42.08.54.05.00 | | Pan-head screw with hexagon socket ISO 7380 - M6x20 | |
| 24 | 8 | 02.61.06.41.41.20 | | Washer DIN 125 - A 6.4 | |
| 25 | 2 | 01.42.08.60.65.00 | | Pan-head screw with hexagon socket ISO 7380 - M6x40 | |
| 26 | 1 | 01.42.08.59.65.00 | | Pan-head screw with hexagon socket ISO 7380 - M6x35 | |
| 27 | 3 | 02.33.00.60.11.20 | | Cap nut with clamping part DIN 986 - M6 | |
| 28-29 | 1 | | 59952012 | Plastic splash guard incl. holder | |
| 28 | 1 | 59.95.20.11.01.00 | | Splash guard holder | |
| 29 | 1 | 59.95.20.12.00.00 | 59952013 | Plastic splash guard for outdoor front end | |



Outdoor front end Airon



Attention, please note:

The outdoor front end is only permitted up to the maximum load of the wheelchair.

When attached to models from other manufacturers, the outdoor front end is suitable for a maximum load of 100 kg.



1. Assembly

1.1 Adapter



Mount the outdoor front end adapter to the frame as shown.



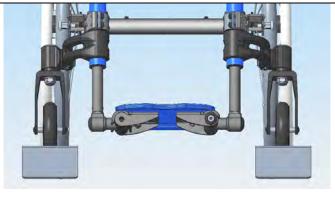
1.2 Jack up aid

Align the caster wheels of your wheelchair.

Position the two jack up aids so that they are approximately in the middle in front of the caster wheels.

Then tie the cord so that it is loosely tensioned in this position between the two jack up aids.







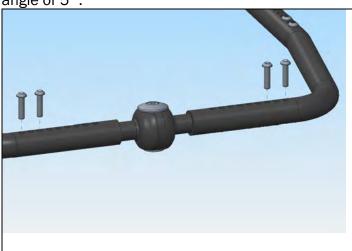
1.3.1 Outdoor front end (set width)

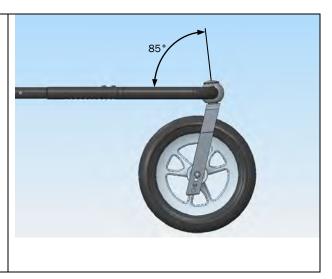
Outdoor stem (adjust width)

There are 5 sizes of the front compartment for this wheelchair model, named here as size 1, size 2, size 3, size 4 and size 5. You will automatically receive the right size for your wheelchair ex works. If necessary, the width of the front part must be adjusted to the width of your wheelchair. To do this, remove the screws on the front part of the front end and set the correct width. Retighten the screw connections (tightening torque 10Nm). The exact setting positions and the drillings to be used are described in chapter "3 Model overview" for all suitable wheelchair models.

To do this, remove the screw connection in the front part of the front end and set the correct width. Make sure that the telescopic steering head bearing including the caster wheel is installed at an

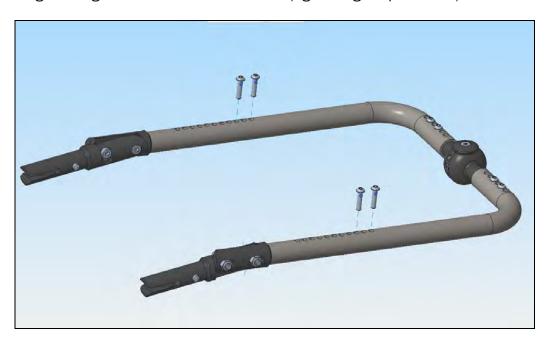






1.3.2 Outdoor front end (set length)

In addition, the outdoor front end is telescopic in length. You can adjust the front end tubes to your desired length. To do so, remove the screw connections on the front end tubes and set the correct length. Retighten the screw connections (tightening torque 10Nm).





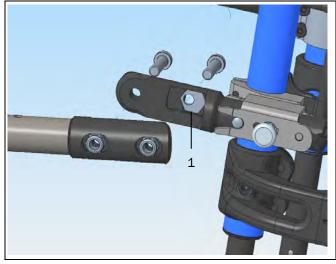
1.4 Height adjustment of the outdoor front end

Place the wheelchair on a level surface with the front end attached and the caster wheels on the jacking aid. The front end caster wheel should now have a distance of 20 to 25mm to the ground (X)...



The distance between the ground and the front end caster wheel can be adjusted in two ways.

- Relocation of the front end caster in the caster fork. Tighten the screw connection again after the adjustment (tightening torque 7Nm)
- By turning the hexagonal adjustment disk (item 1) on both sides (this changes the mounting angle of the outdoor adapter).





1.5 Splash guard (Optional)

Remove the nut and washer from the caster fork. Use the splash guard instead of the washer. Then

retighten the screw fittings firmly.





2. Procedure

Bring the anti-tipper into its functional position



Place the wheelchair with both caster wheels on the jacking aid.



Apply the wheelchair's parking brake. Lock the latch on the left and right in the open position





Evenly insert the front end on the left and right into the adapters as far as it will go.



Engage the latch, left and right



Please check that the construction is securely positioned in the holder and that it is locked into place correctly.

Release the parking brake and lower the wheelchair from the jacking device.



3. Model overview / size chart for assembly without hemi adapter

| Model SW | 24 | 26 | 28 | 30 | 32 | 34 | 36 | 38 | 40 | 42 | 44 | 46 | 48 | 50 | 52 | 54 |
|-----------------------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|----|----|
| Jump alpha abdu | sz. 1 3 | sz. 2 1 | sz. 2 2 | sz. 2 3 | sz. 2 4 | sz. 4 1 | sz. 4 2 | sz. 4 3 | | | | | | | | |
| Jump alpha gerade | | | sz. 1 2 | sz. 1 3 | sz. 2 1 | sz. 2 2 | sz. 2 3 | sz. 2 4 | | | | | | | | |
| Jump beta abdu | | | | sz. 2 3 | sz. 2 4 | sz. 4 1 | sz. 4 2 | sz. 4 3 | sz. 4 4 | sz. 4 5 | sz. 4 6 | sz. 4 7 | sz. 4 8 | sz. 5 4 | | |
| Jump beta gerade | | | | sz. 1 3 | sz. 2 1 | sz. 2 2 | sz. 2 3 | sz. 2 4 | sz. 4 1 | sz. 4 2 | sz. 4 3 | sz. 4 4 | sz. 4 5 | sz. 4 6 | | |
| Vector abdu / Dynamis MV | | sz. 2 1 | sz. 2 2 | sz. 2 3 | sz. 3 4 | sz. 4 1 | sz. 4 2 | sz. 4 3 | sz. 4 4 | sz. 4 5 | sz. 4 6 | sz. 5 2 | | | | |
| Vector gerade | | | sz. 1 2 | sz. 1 3 | sz. 2 1 | sz. 2 2 | sz. 2 3 | sz. 3 4 | sz. 4 1 | sz. 4 2 | sz. 4 3 | sz. 4 4 | | | | |
| Tilty Vario | | | sz. 4 2 | sz. 4 2 | sz. 4 3 | sz. 4 4 | sz. 4 5 | sz. 4 6 | sz. 5 2 | sz. 5 3 | sz. 5 4 | | | | | |
| Loop | | | | sz. 4 1 | | sz. 4 3 | | sz. 4 5 | | sz. 5 2 | | sz. 5 4 | | sz. 5 6 | | |
| Loop RS Dynamis TSD | | | | sz. 4 1 | sz. 4 2 | sz. 4 3 | sz. 4 4 | sz. 4 5 | sz. 4 6 | sz. 5 2 | sz. 5 3 | sz. 5 4 | sz. 5 5 | sz. 5 6 | | |
| Airon abdu | | | sz. 2 2 | sz. 2 3 | sz. 2 4 | sz. 4 1 | sz. 4 2 | sz. 4 3 | sz. 4 4 | sz. 4 5 | sz. 4 6 | sz. 5 2 | sz. 5 3 | sz. 5 4 | | |
| Airon gerade | | | sz. 1 2 | sz. 1 3 | sz. 2 1 | sz. 2 2 | sz. 2 3 | sz. 2 4 | sz. 4 1 | sz. 4 2 | sz. 4 3 | sz. 4 4 | sz. 4 5 | sz. 4 6 | | |
| Airon gekröpft | | | | | sz. 1 1 | sz. 1 2 | sz. 1 3 | sz. 2 1 | sz. 2 2 | sz. 2 3 | sz. 2 4 | sz. 4 1 | sz. 4 2 | sz. 4 3 | | |

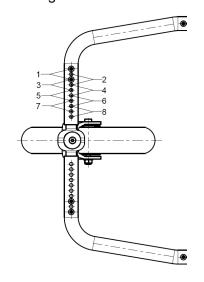
Legend:

- sz. 1 Front end tube small, size 1 (together with telescopic steering head bearing 205)
- sz. 2 Front end tube medium, size 2 (together with telescopic steering head bearing 205)
- sz. 3 Front end tube large, size 3 (together with telescopic steering head bearing 205)
- sz. 4 Front end tube large, size 3 (together with telescopic steering head bearing 285)
- sz. 5 Front end tube XL, size 4 (together with telescopic steering head bearing 285)

Green (without stripes): 4cm growable Yellow (horizontally striped 2cm growable

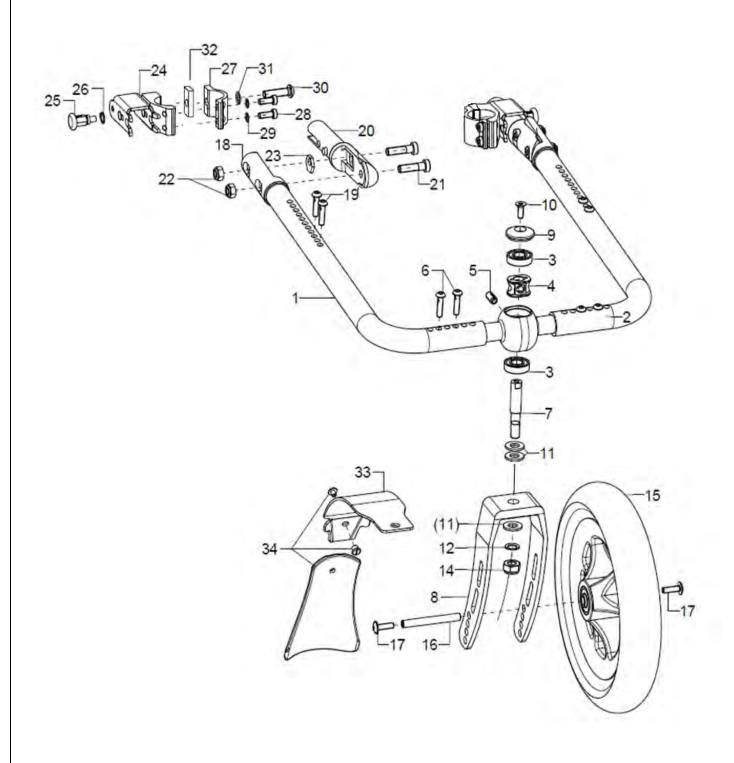
Orange (diagonally striped) wheelchair not growable or growable via side guards

1-8: screw fitting as shown in the drawing below.





4. Spare parts list





| Item. | M/1 | DrawingNo. | TypeNo. | Item description | Version |
|---------------|------|--|----------------------|---|---|
| | | Branning. 110. | | Outdoor front end, telescopic, Airon sz. 1 (front end tube | SW, frame version (abducted, |
| 1 - 34 | 1 | | 59953701 | size 1 + 205 mm telescopic unit) | staight, tapered v-form) |
| 1 - 34 | 1 | | 59953702 | Outdoor front end, telescopic, Airon sz. 2 (front end tube size 1 + 205 mm telescopic unit) | SW, frame version (abducted, staight, tapered v-form) |
| 1 - 34 | 1 | | 59953704 | Outdoor front end, telescopic, Airon sz. 4 (front end tube sz.3+285 mm telescopic unit) | SW, frame version (abducted, staight, tapered v-form) |
| 1 - 34 | 1 | | 59953705 | Outdoor front end, teleskopierbar, Airon Gr. 5 (front end tube sz.4+285 mm telescopic unit) | SW, frame version (abducted, staight, tapered v-form) |
| 1 | 2 | 59.95.20.07.00.00 | 59952007 | Front end tube sz.1 for outdoor front end, telescopic | SB, Rahmenvariante (abdu, gerade, gekröpft) |
| altern. | 2 | 59.95.20.08.00.00 | 59952008 | Front end tube sz.2 for outdoor front end, telescopic | SW, frame version (abducted, staight, tapered v-form) |
| altern. | 2 | 59.95.20.09.00.00 | 59952009 | Front end tube sz.3 for outdoor front end, telescopic | SW, frame version (abducted, staight, tapered v-form) |
| altern. | 2 | 59.95.20.13.00.00 | 59952010 | Front end tube sz.4 for outdoor front end, telescopic | SW, frame version (abducted, staight, tapered v-form) |
| 2 - 6 | 1 | 59.95.20.01.40.00 | 59952002 | Telescopic unit 205 mm incl. ball bearing, damper element, pressure spring piece and assembly screws | SW, frame version (abducted, staight, tapered v-form) |
| altern. | 1 | 59.95.20.02.40.00 | 59952003 | Telescopic unit 285 mm incl. ball bearing, damper element, pressure spring piece and assembly screws | SW, frame version (abducted, staight, tapered v-form) |
| 3 | 2 | | 200011 | Deep groove ball bearing ø 28/12x8 6001z | |
| 4 | 1 | 28.05.01.04.00.00 | 205102 | Damper element | |
| 5 | 1 | 04.14.50.80.21.20 | 285103 | Pressure spring piece M8x19 Pan-head screw with hexagon socket. ISO 7380, M6x25, | |
| 6 | 4 | 01.43.08.56.65.01 | | Tuflock | |
| 7 | 1 | 28.50.00.03.00.10 | 285101 | Steering axle 65 mm for track fixation | |
| 8 | 1 | 28.44.01.01.00.00 | 2844 | Caster fork 60x189, black for outdoor front end Assembly set caster fork outdoor front end; (cover cap. | |
| 9 - 14 | 1 | | 284499 | Torax screw, washers, nut) Cover cap aluminium ø 32, black (caster/outdoor front | |
| 9-10 | 1 | 28.21.07.02.00.10 | 282108 | end) incl. assembly screw M6x16 Torx) | |
| 10 | 1 | | | Countersunk screw with Torx ISO 14581 – M6x16 vz, black | |
| 11 | 3(2) | | | Washer DIN 125 - A 10.5 | 2 pcs. For splash guard assembly |
| 12 | 1 | | | Securing washer S10 - FST vz | |
| 14 | 1 | | | Hexagon nut self-locking low form DIN 985-M10 | |
| 15-17 | 1 | 04.52.43.10.00.10 | 2837 | Caster ø250x50, 6 spokes for outdoor front end incl. pneumatic tyres black | |
| 16 | 1 | 28.16.07.05.00.00 | | Caster wheel sleeve 68x8xM6 | |
| 17 | 2 | 01.43.08.47.62.50 | | Lens flange screw ISO 7380-2 M6x20 black | |
| 18-23 | 1 | | 59953706 | Telescopic angle adjustment cpl. to the right. | |
| 18-23 | 1 | | 59953707 | Telescopic angle adjustment cpl. to the left. | |
| 18 | 2 | 59.95.37.06.00.83 | | telescope adapter | |
| 19 | 2 | 01.43.08.56.65.01 | | pan head screw with hexagon socket ISO 7380, M6x25, Tuflok | |
| 20 | 1 | 59.95.37.05.01.83 | | Telescope adapter - slot on the left | |
| o.B. | 1 | 59.95.37.05.02.83 | | Telescope adapter - slot on the rechts | |
| 21 | 2 | | | Cylinder head screw DIN 7984 M8x30 | |
| 22 | 2 | 02.32.00.80.01.20 | | Hex nut self-locking low form DIN 985-M8 | |
| 23 | 2 | 59.95.01.06.00.10 | | Adjusting disc 6-sided | |
| 24-32 | 1 | 59.95.37.02.02.83 | 59953712 | Adapter for 90° frame, right incl. clamp and latch | frame 90° |
| o.B. | 1 | 59.95.37.02.01.83 59.95.37.01.02.83 | 59953711 59953714 | Adapter for 90° frame, left incl. clamp and latch Adapter for 100° frame, right incl. clamp and latch | frame 90° |
| | | 59.95.37.01.02.83 | | | |
| o.B. 25-26 | 2 | 04.14.43.60.02.00 | 59953713 690101 | Adapter for 100° frame, left incl. clamp and latch Latch ø6/M10x1x31 with locking device incl. safety ring | frame 100° |
| 26 | 1 | J | 330101 | Safety ring 10, DIN 471 | |
| 26 | 2 | 59.95.37.07.00.83 | | Adapter clamp half, black | |
| 28 | 2 | 01.24.08.52.02.51 | | Cylinder head screw DIN 7984 M6x16 TF | |
| 29 | 2 | | | Lock washer S6 - FST vz | |
| 30 | 1 | | | lens screw with hexagon socket ISO7380, M8x30 | |
| 31 | 1 | E0.0E.27.00.00.00 | | Lock washer S8 - FST vz | |
| 32 o.B. | 2 | 59.95.37.09.00.83 58.50.83.09.00.83 | | stopper Insert for Airon outdoor front end | Without transport brooksts |
| 33-34 | 2 | 59.95.20.10.00.00 | 59952012 | Plastic splash guard incl. holder | Without transport brackets With transport brackets |
| 33 | 1 | 59.95.20.11.01.00 | 00002012 | Splash guard holder | transport brachets |
| 34 | 1 | 59.95.20.12.00.00 | 59952013 | Plastic splash guard for outdoor front end | |



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