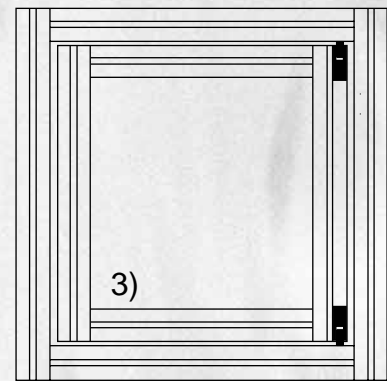
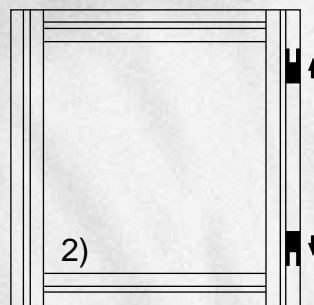
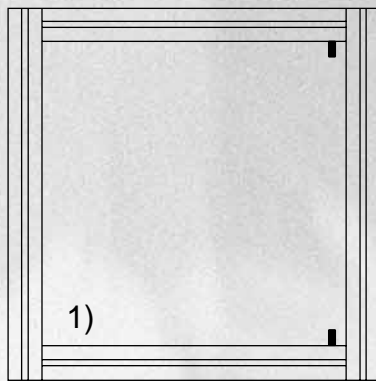
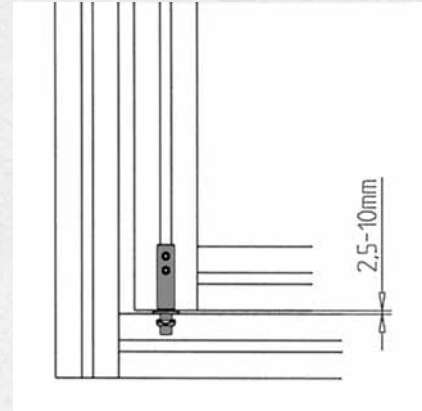




LINKS AND HINGES

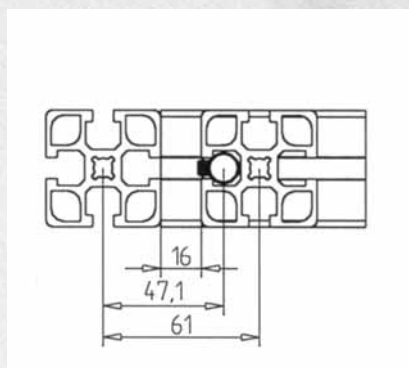
INTERNAL HINGE AL



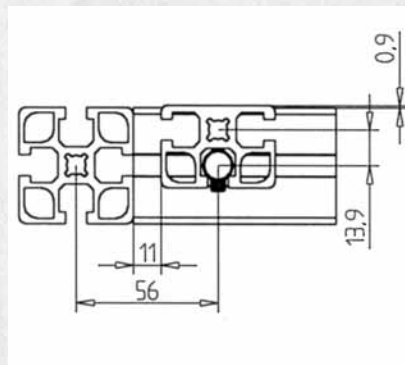
Assembly

- 1) Screw snap bolts onto the frame and insert washer.
- 2) Insert hinge into door element.
- 3) Hold the door element above the grooves, push hinges onto snap bolts and tighten them.

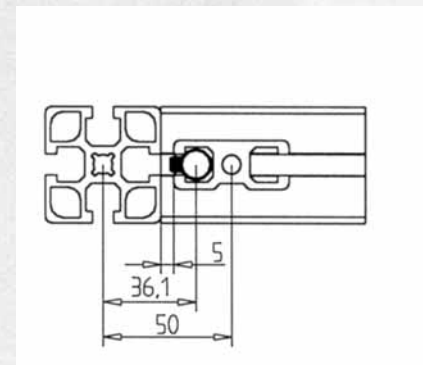
Distance of the snap bolts from the frame:



Assembly in inner groove:
47,1 mm



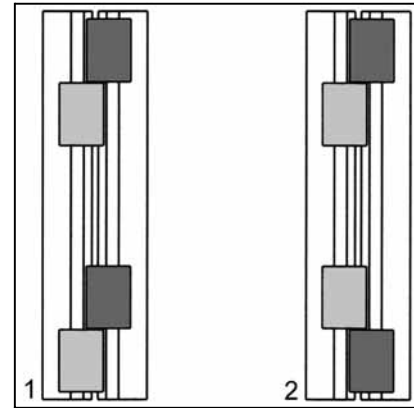
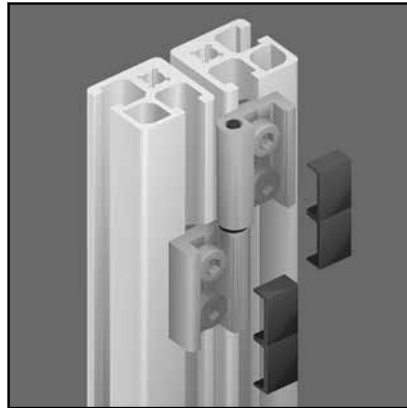
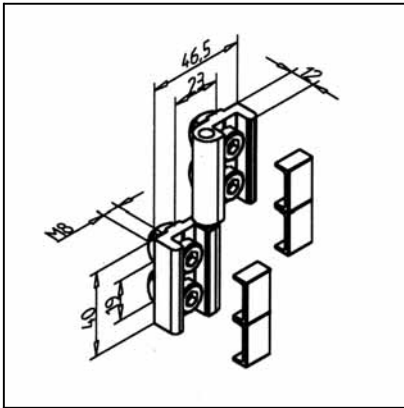
Assembly in central groove:
56 mm



Assembly in inner groove:
36,1 mm

HINGE 19

Part. N° 21.1100/0



TECHN. DATA / ITEMS SUPPLIED

- Aluminium, natural anodized with steel-cylinder-bolt
- Fixing kit
- End caps
- Weight 0,111 kg
- Load max. 400 N

APPLICATIONS

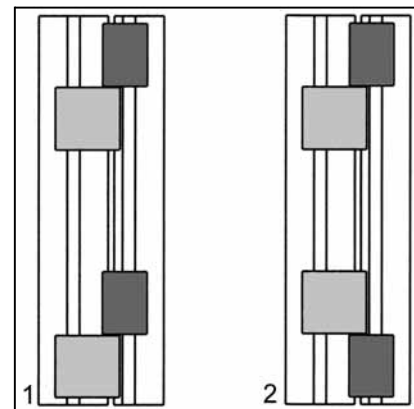
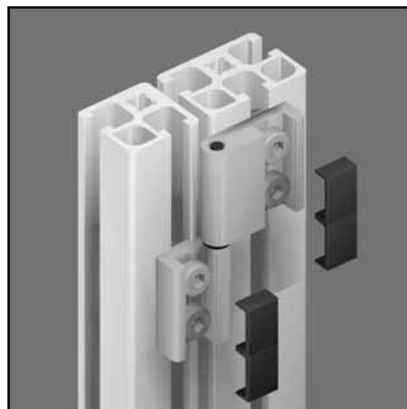
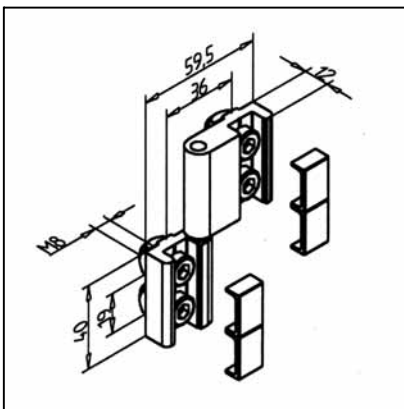
- Swing doors and lids
- Mount in reversed orientation for non lift removable or horizontal applications
- Connection of profiles 19 at various angles

ASSEMBLY

- Use fixing kit from supply schedule
- For fixing directly on panel elements or on profile surfaces we deliver hinge 19 without fixing element **Part N° 21.1100/2**
- 1: lift removable
- 2: non lift removable

HINGE 32

Part. N° 21.1095/0



TECHN. DATA / ITEMS SUPPLIED

- Aluminium, natural anodized with steel-cylinder-bolt
- Fixing kit
- End caps
- Weight 0,128 kg
- Load max. 400 N

APPLICATIONS

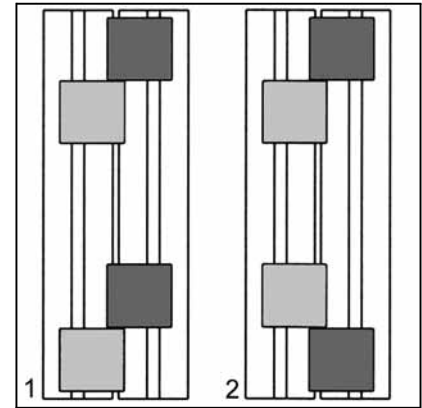
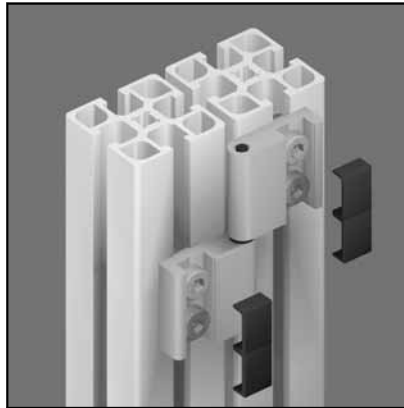
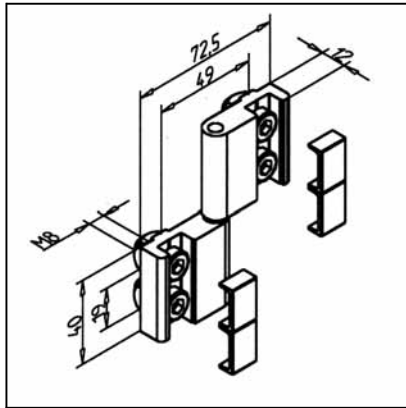
- Swing doors and lids
- Mount in reversed orientation for non lift removable or horizontal applications
- Connection of profiles 19, 32 and 45 at various angles

ASSEMBLY

- Use fixing kit from supply schedule
- For fixing directly on panel elements or on profile surfaces we deliver hinge 32 without fixing element **Part N° 21.1095/2**
- 1: lift removable
- 2: non lift removable

HINGE 45

Part. N° 21.1096/0



TECHN. DATA / ITEMS SUPPLIED

- Aluminium, natural anodized with steel-cylinder-bolt
- Fixing kit
- End caps
- Weight 0,145 kg
- Load max. 400 N

APPLICATIONS

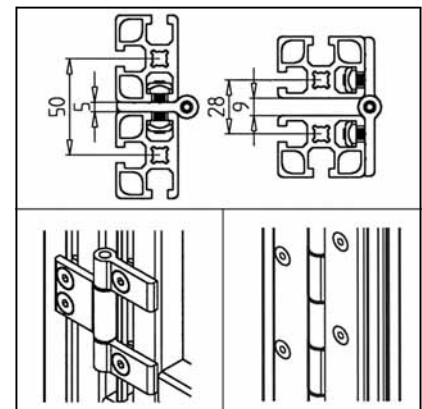
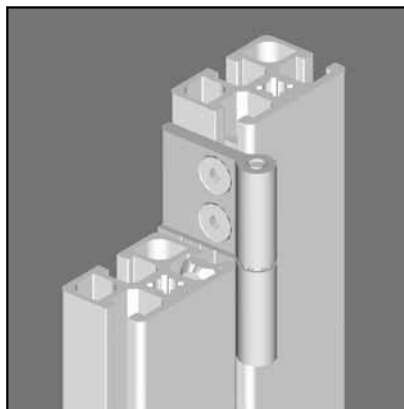
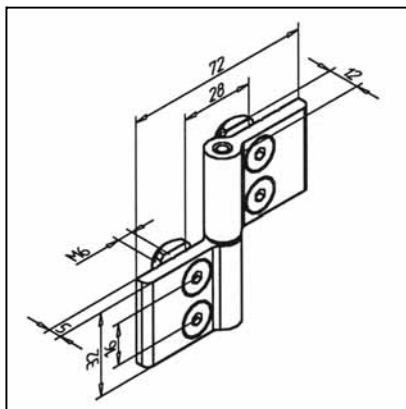
- Swing doors and lids
- Connection of profiles 45 at various angles
- Attachment of guards
- Mount in reversed orientation for non lift removable or horizontal applications

ASSEMBLY

- Use fixing kit from supply schedule
- For fixing directly on panel elements or on profile surfaces we deliver hinge 45 without fixing element **Part N° 21.1096/2**
- 1: lift removable
- 2: non lift removable

HINGE L 19/19

Part. N° 21.1373/0



TECH. DATA / ITEM SUPPLIED

- Aluminium, natural anodized with steel cylinder
- Fixing kit
- Weight 0,089 kg
- Load max. 400 N

APPLICATIONS

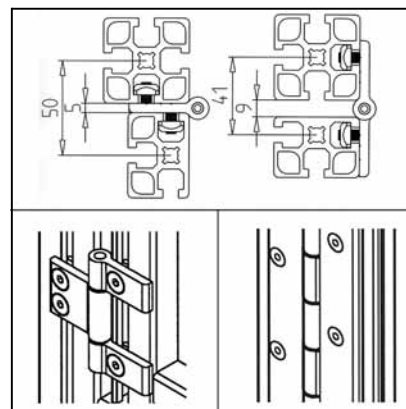
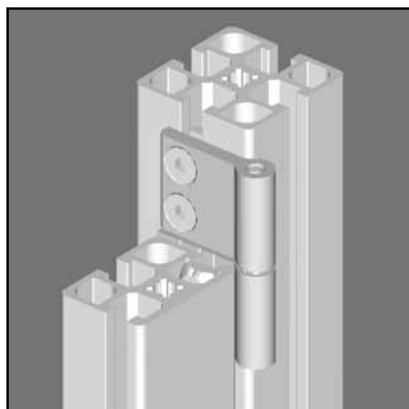
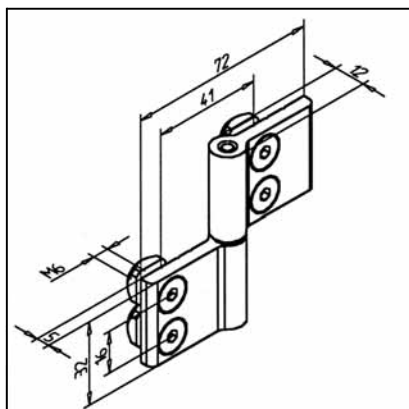
- Doors, lids, moveable attachments at profiles 19 and 32
- Attachment of guards
- Mount in reversed orientation for non lift removable or horizontal applications
- Connection of profiles 19 at various angles

MONTAGE

- Use fixing kit from supply schedule
- For production of hinges at various length or piano-hinges is hinge-profile 5, **Part N° 20.1076/0** available

HINGE L 19/45

Part. N° 21.1375/0



TECHN. DATA / ITEM SUPPLIED

- Aluminium, natural anodized with steel cylinder
- Fixing kit
- Weight 0,089 kg
- Load max. 400 N

APPLICATIONS

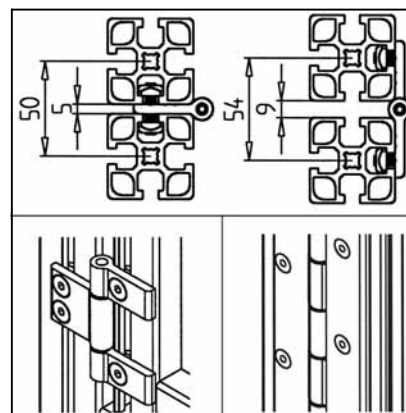
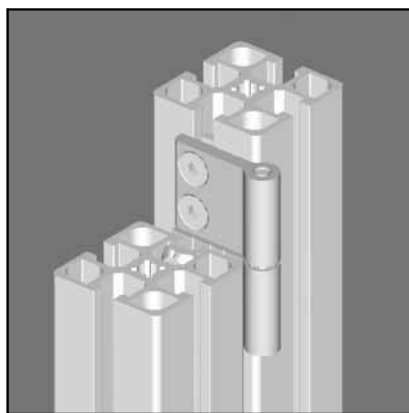
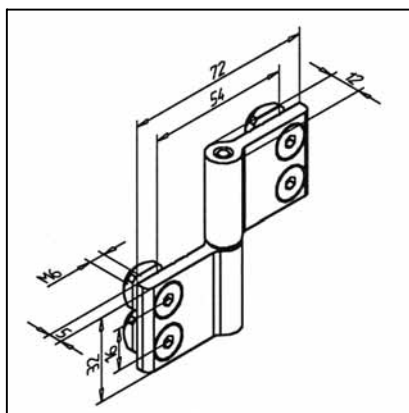
- Doors, lids, moveable attachments at profiles 19, 32 and 45
- Mounting of guards
- Mount in reversed orientation for non lift removable or horizontal applications
- Connection of profiles 19,32 and 45 at various angles

ASSEMBLY

- Use fixing kit from supply schedule
- For production of hinges at various length or piano-hinges is hinge-profile 5, Part N° 20.1076/0 available

HINGE L 45/45

Part. N° 21.1378/0



TECHN. DATA / ITEM SUPPLIED

- Aluminium, natural anodized with steel cylinder
- Fixing kit
- Weight 0,089 kg
- Load max. 400 N

APPLICATIONS

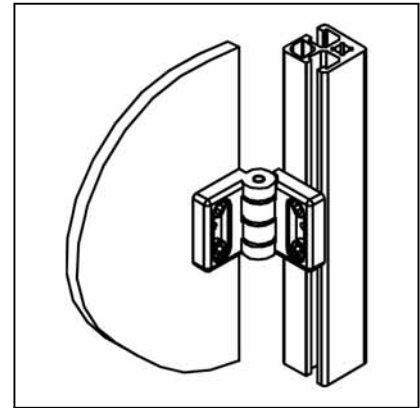
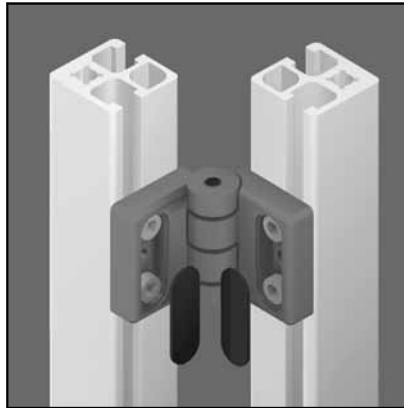
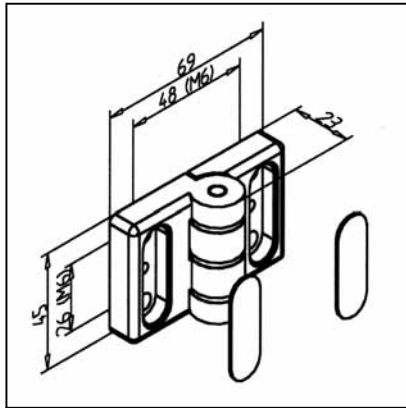
- Doors, lids, moveable attachments at profiles 45
- Mounting of guards
- Mount in reversed orientation for non lift removable or horizontal applications
- Connection of profiles 45 at various angles

ASSEMBLY

- Use fixing kit from supply schedule
- For production of hinges at various length or piano-hinges is hinge-profile 5, Part N° 20.1076/0 available

HINGE 19 S

Part. N° 21.1044/0



TECHN. DATA / ITEMS SUPPLIED

- Aluminium GD, powder coated, grey
- Without fixing kit
- with end caps
- Weight 0,100 kg
- Load max. 600 N

APPLICATIONS

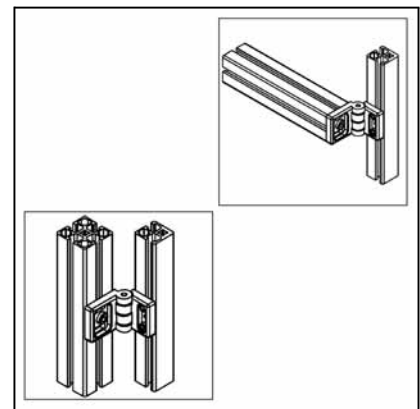
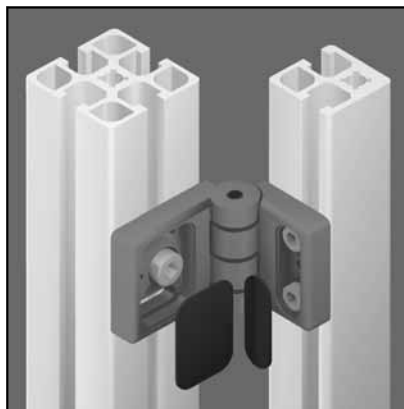
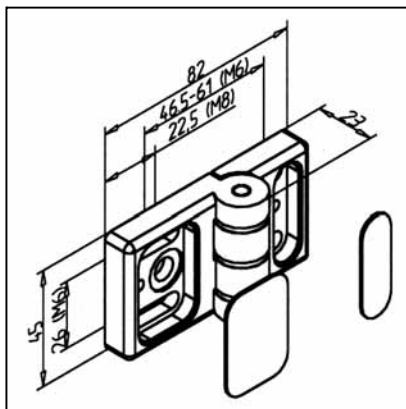
- Suitable for large doors and flaps of profile type 19 or 32
- Guard units
- Connection of profiles 19 and 32 at any angle

ASSEMBLY

- Fasten hinge with 4 M6 x 20 bolts and 4 square nuts on the profile groove, or with screws corresponding to the material thickness directly on the panel elements
- For heavy-duty applications use multiple hinges

HINGE 32 S

Part. N° 21.1055/0



TECHN. DATA / ITEMS SUPPLIED

- Aluminium GD, powder-coated, grey
- Without fixing kit
- with end caps
- Weight 0,105 kg
- Load max. 600 N

APPLICATIONS

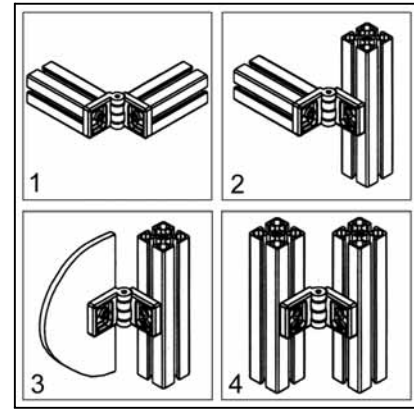
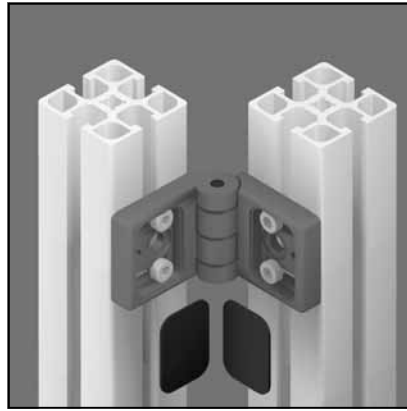
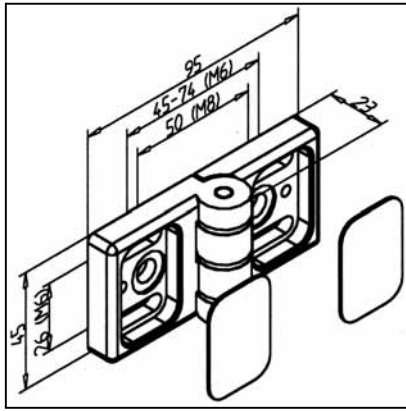
- Suitable for large doors and flaps
- Guard units
- Connection of profiles 19, 32 and 45 at any angles

ASSEMBLY

- Fasten hinge with 4 M6 x 20 bolts and 4 square nuts on the profile groove or with screws corresponding to the material thickness directly on the panel elements
- Fasten hinge with M8 x 30 bolt on the 45 x 45 profile face side; fasten the other hinge half with M6 x 20 bolts and square nuts on the profile groove or with M6 bolts corresponding to the material thickness
- For heavy-duty applications use multiple hinges

HINGE 45 S

Part. N° 21.1098/1



TECHN. DATA / ITEMS SUPPLIED

- Aluminium GD, powder-coated, grey
- Without fixing kit
- With End caps
- Weight 0,100 kg
- Load max. 600 N

APPLICATIONS

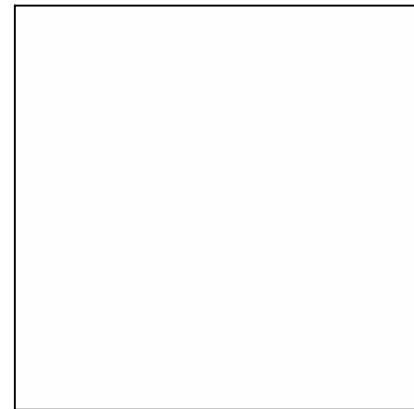
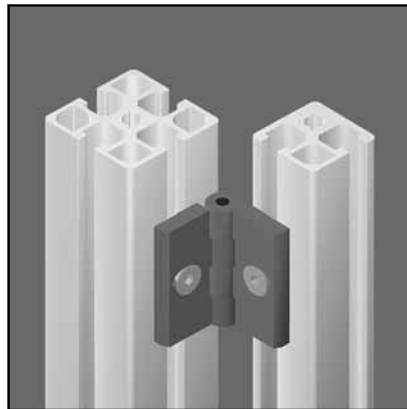
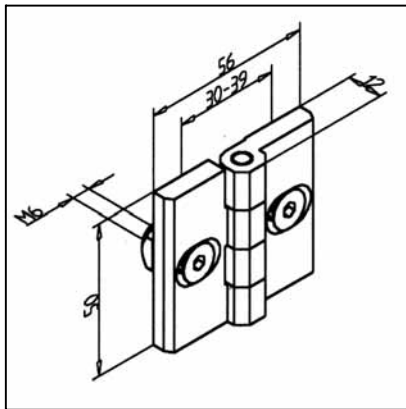
- Suitable for large doors and flaps
- Guard units
- Connection of profiles at various angles
- For higher loads use more hinges

ASSEMBLY

- 1: 2 screws M8 x 30
- 2: 2 screws M6 x 20, square nuts M6, 1 screw M8 x 30
- 3: 2 screws M6 x 20, 2 square nuts M6, 2 screws M6 for panel element according to material
- 4: 4 screws M6 x 20, 4 square nuts M6

HINGE 32 GD

Part. N° 21.1131/0



TECHN. DATA / ITEMS SUPPLIED

- GD Zn, powder coated, black
- Fixing kit
- Weight 0,132 kg
- Load max. 400 N

APPLICATIONS

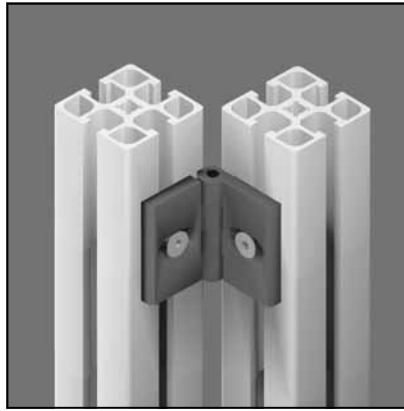
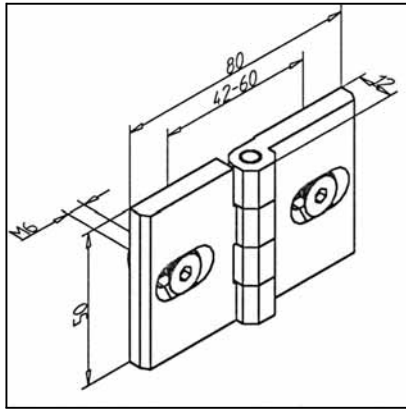
- For profiles 32 x 32 and 32 x 45
- Heavy doors and lids
- Connection of profiles at various angles

ASSEMBLY

- Use fixing kit from supply schedule

HINGE 45 GD

Part. N° 21.1130/0



TECHN. DATA / ITEMS SUPPLIED

- GD Zn, powder coated, black
- Fixing kit
- Weight 0,167 kg
- Load max. 400 N

APPLICATIONS

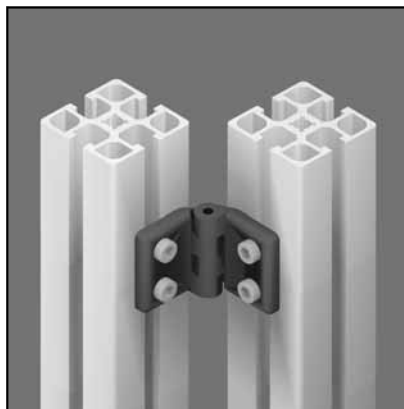
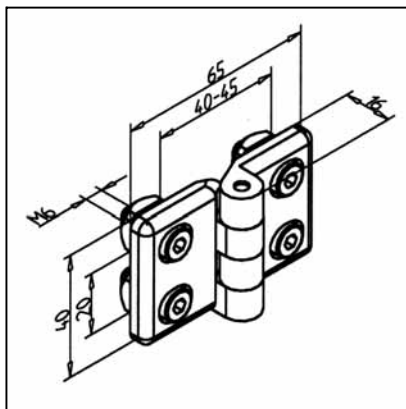
- For profiles 45 and 90
- Heavy doors and lids
- Connection of profiles at various angles

ASSEMBLY

- Use fixing kit from supply schedule

HINGE 45 M6

Part. N° 21.1175/0



TECHN. DATA / ITEMS SUPPLIED

- ABS, grey
- Fixing kit
- Weight 0,061 kg
- Load max. 160 N

APPLICATIONS

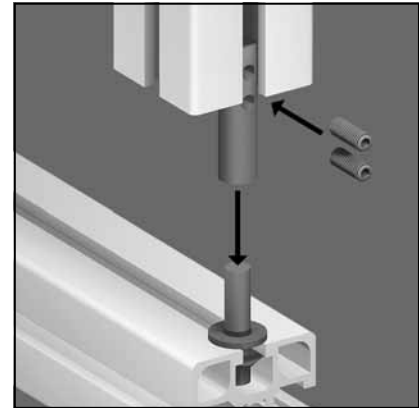
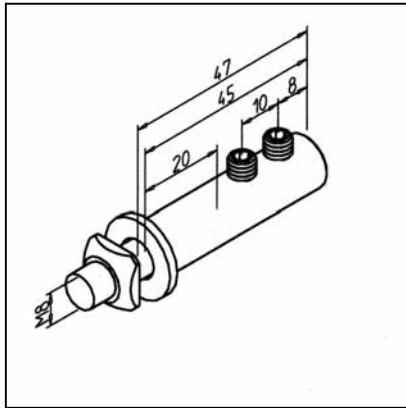
- Suitable for light doors and lids
- Guard units
- Connection of profiles at various angles

ASSEMBLY

- Use fixing kit from supply schedule

INTERAL HINGE AL

Part. N° 21.1142/0



TECHN. DATA / ITEMS SUPPLIED

- Aluminium, natural
- Fixing kit
- Weight 0,020 kg
- Load max. 250 N

APPLICATIONS

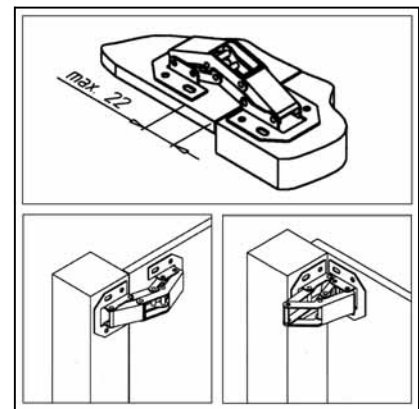
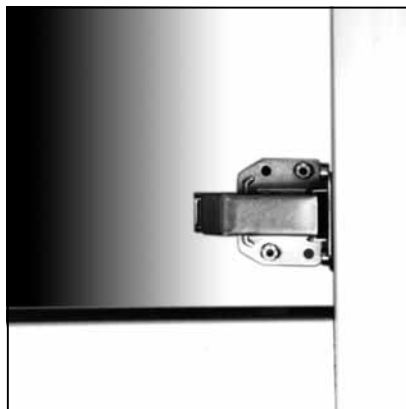
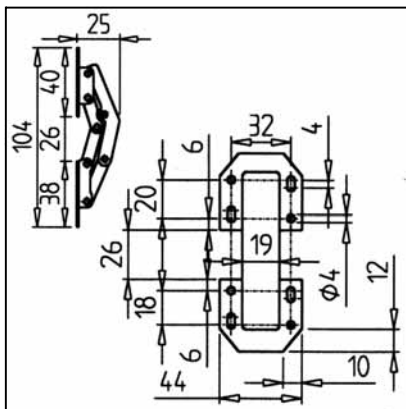
- Doors
- Lids
- Movable elements
- Subsequent fitting of doors

ASSEMBLY

- Screw snap bolts onto the frame and insert washer
- Insert hinge into door element
- Hold the door element above the grooves, push hinges onto snap bolts and tighten them
- See page 99

SWING-OUT HINGE

Part. N° 21.1187/0



TECHN. DATA / ITEMS SUPPLIED

- Steel zinc-plated
- Without fixing kit
- Weight 0,082 kg
- Load max. 50 N

APPLICATIONS

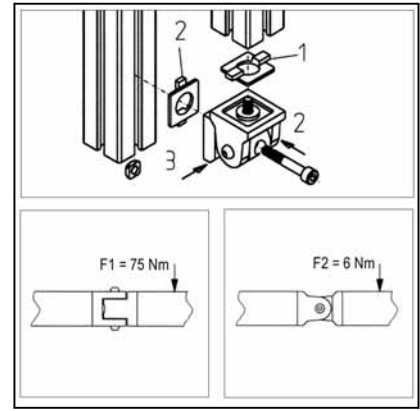
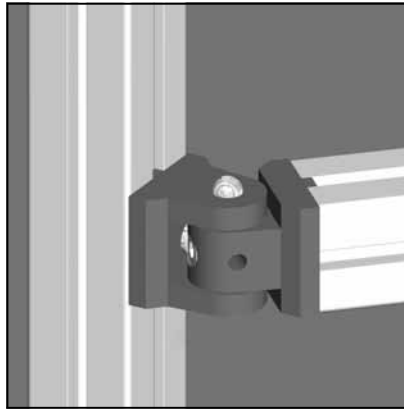
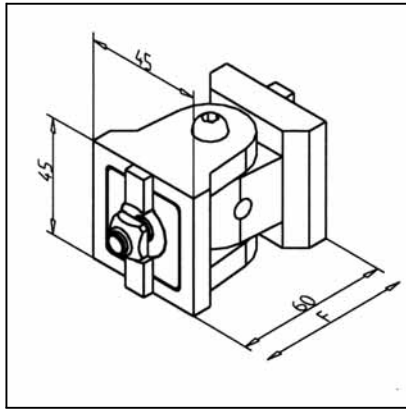
- Light doors
- Show cases, Fair equipment, guards
- Doors close without gap, bearing on the outside or flush on the inside

ASSEMBLY

- On profile grooves with screws M4 x 16 and square nut M4
- Direct fastening on panel elements; screwlength according to material thickness
- Direct fastening on profile surface

LINK

Part. N° 21.2030/0



TECHN. DATA / ITEMS SUPPLIED

- Aluminium GD, powder coated, grey
- Fixing kit
- AL GD locking device against torsion
- Load max. 5000 N
- Weight 0,250 kg

APPLICATIONS

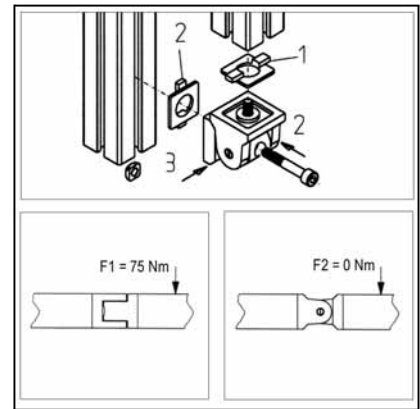
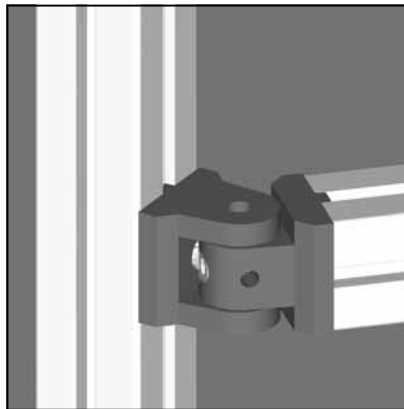
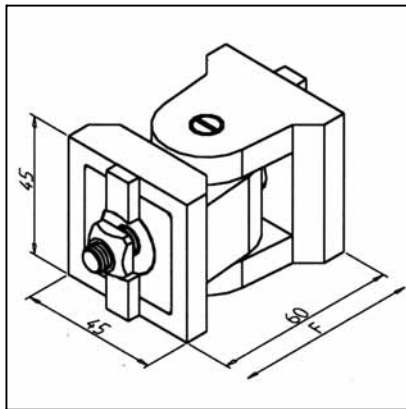
- Connection of profiles at any angle
- Braces
- Reinforcement of frame constructions
- Not to be used as a hinge

ASSEMBLY

- 1: Mount the hinge half 1 on the desired position (with key SA/F through bore in hinge half 2)
- 2: Insert screw M8 x 50 and fix hinge half 2
- 3: Tighten lateral connecting screws

ANGLE BRACKET

Part. N° 21.2020/0



TECHN. DATA / ITEMS SUPPLIED

- Aluminium GD, powder coated, grey
- Fixing kit
- AL GD locking device against torsion
- Load max. 1500 N
- Weight 0,240 kg

APPLICATIONS

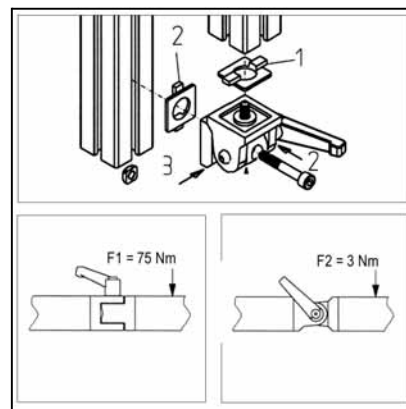
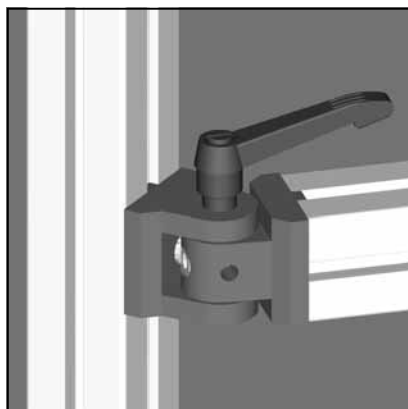
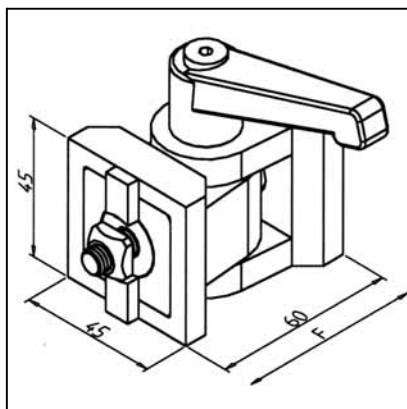
- Heavy swivel doors, bearing assembly of movable add-on pieces
- Not lockable
- For heavy-duty loads use multiple hinges

ASSEMBLY

- 1: Mount the hinge half 1 on the desired position (with key SA/F through bore in hinge half 2)
- 2: Insert screw M8 x 50 and fix hinge half 2

ANGLE BRACKET FIXABLE

Part. N° 21.2010/0



TECHN. DATA / ITEMS SUPPLIED

- Aluminium GD, powder coated, grey
- Fixing kit
- AL GD locking device against torsion
- Load max. 1500 N
- Weight 0,280 kg

APPLICATIONS

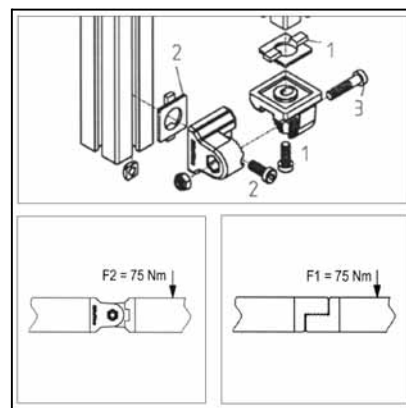
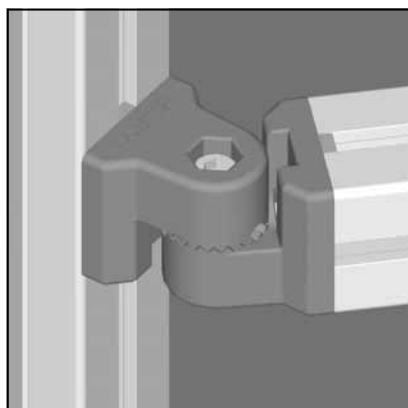
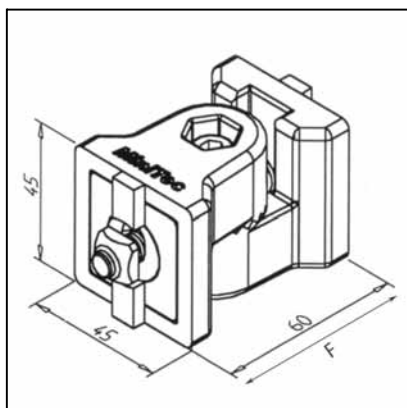
- Heavy swivel doors, bearing assembly of movable add-on pieces
- Clamping lever for positioning of add-on parts
- Fixing of pieces such as measuring devices that need to be adjusted quickly
- For heavy-duty loads use multiple hinges

ASSEMBLY

- 1: Mount the hinge half 1 on the desired position (with key SA/F through bore in hinge half 2)
- 2: Insert screw M8 x 50 and fix hinge half 2
- 3: Tighten clamping lever

ANGLE BRACKET R

Part. N° 21.2041/0



TECHN. DATA / ITEMS SUPPLIED

- Aluminium GD, powder coated, grey
- Fixing kit
- Locking device against rotation AL GD
- Load max. 5000 N
- Weight 0,263 kg

APPLICATIONS

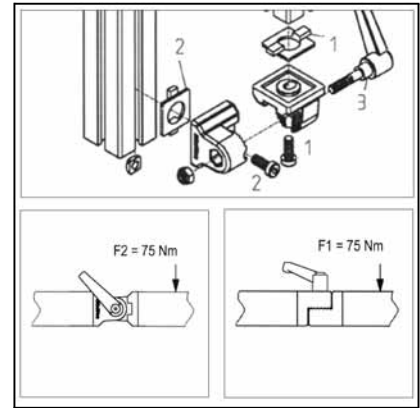
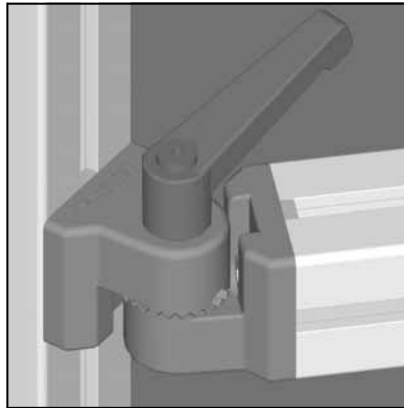
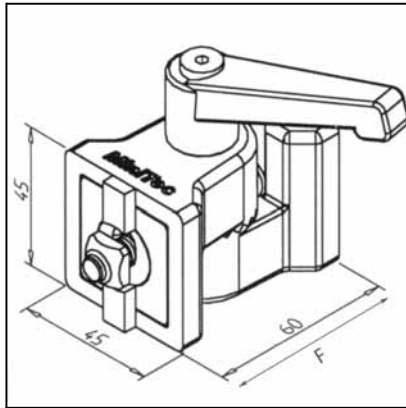
- Setting angle 180° in steps of 15°
- Adjustale fixing of add-on parts such as grip-boxes, beams or monitors

ASSEMBLY

- 1: Place locking device and screw first half of the bracket
- 2: Fix second half
- 3: Connect the 2 halves in desired angle and tighten

ANGLE BRACKET R FIXABLE

Part. N° 21.2040/0



TECHN. DATA / ITEMS SUPPLIED

- Aluminium GD, powder coated, grey
- Fixing kit
- Locking device against rotation AL GD
- Load max. 5000 N
- Weight 0,332 kg

APPLICATIONS

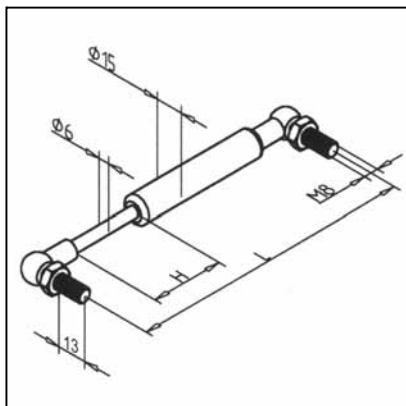
- Setting angle 180° in steps of 15°
- Adjustale fixing of add-on parts such as grip-boxes, beams or monitors

ASSEMBLY

- 1: Place locking device and screw first half of the bracket
- 2: Fix second half
- 3: Connect the 2 halves in desired angle and tighten

GAS SPRING 6/15

Part. N° 24.1126/0



H (mm)	L (mm)
20	115,5
40	155,5
60	194,5
80	235
100	273
120	316
150	375,5

TECHN. DATA / ITEMS SUPPLIED

- Fixing kit
- Stroke (H) alternatively 20 / 40 / 60 / 80 / 100 / 120 / 150 mm
- Power (F) between 50 and 400 N (increments 50 N)
- Please indicate desired length of stroke and force

APPLICATIONS

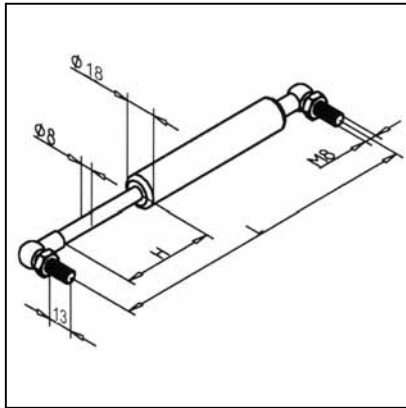
- Weight equalization for hinged elements
- Suitable for lift and swivel movements

ASSEMBLY

- Use fixing kit from supply schedule

GAS SPRING 8/20

Part. N° 24.1127/0



H (mm)	L (mm)
57	206
80	244
100	286
120	326
140	366
160	405
180	446
200	485,5
220	527
250	585,5

TECHN. DATA / ITEMS SUPPLIED

- Fixing kit

- Stroke (H) alternatively 57 / 80 / 100 / 120 / 140 / 160 / 180 / 200 / 220 / 250 mm

- Power (F) between 80 and 750 N (increments 50 N)

- **Please indicate desired length of stroke and force**

APPLICATIONS

- Weight equalization for hinged elements

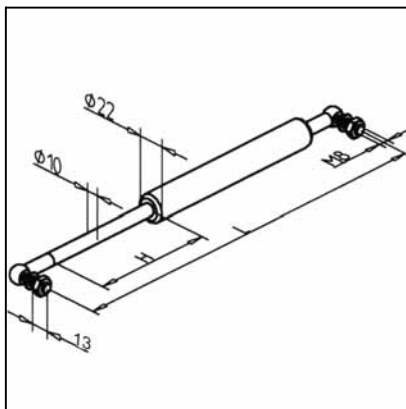
- Suitable for lift and swivel movements

ASSEMBLY

- Use fixing kit from supply schedule

GAS SPRING 10/22

Part. N° 24.1128/0



H (mm)	L (mm)
100	286
150	386
200	486
250	586
300	686
350	786
400	886

TECHN. DATA / ITEMS SUPPLIED

- Fixing kit

- Stroke (H) alternatively 100 / 150 / 200 / 250 / 300 / 350 / 400 mm

- Power (F) between 100 and 1200 N (increments 50 N)

- **Please indicate desired length of stroke and force**

APPLICATIONS

- Weight equalization for hinged elements

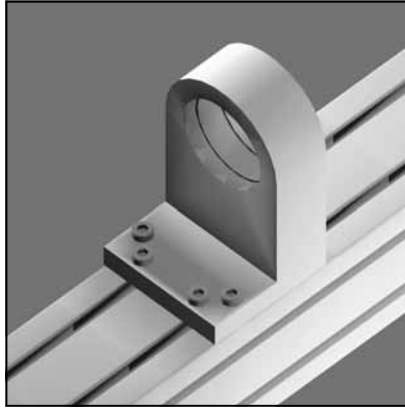
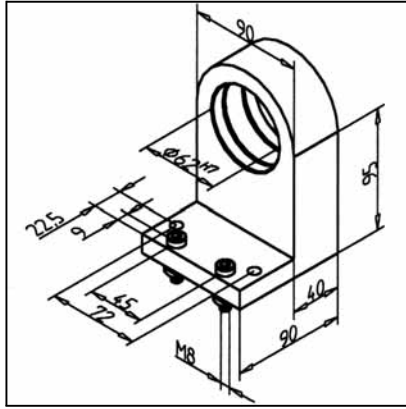
- Suitable for lift and swivel movements

ASSEMBLY

- Use fixing kit from supply schedule

UPRIGHT BEARING

Part. N° 28.0158/0

**TECHN. DATA / ITEMS SUPPLIED**

- Aluminium, natural anodized
- Fixing kit
- Without ball bearing and locking rings
- Weight 1,31 kg

APPLICATIONS

- Large swivel frames
- Guiding of shafts, axles, drums, tires lengthwise and crosswise to the profile

ASSEMBLY

- Location hole fitting for radial ball bearing 6206 2RS Part N° 50.0977/1
- Use fixing kit from supply schedule