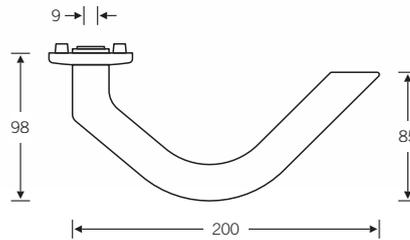




# Ergo lever handle

7655 9 mm □

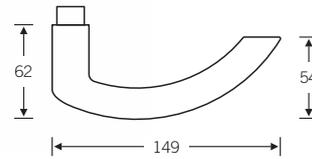
■ Stainless steel



Ergo lever handle 7655 solves almost all ergonomic problems associated with heavily used doors. These are the principal benefits of the FSB 7655 Ergo lever handle:

- the triangular alignment of the handle accords with the user's direction of movement at any given time.
- this angular form accommodates the sequence of movements involved in operating the door.
- its fullness and sectional styling echo the hollowing of the human hand as it closes to grip.
- its two-way alignment offers a firm hold should elbows be needed for its operation.

Model 1119



1119

- Aluminium
- AluGrey
- Stainless steel



FSB 1119 draws on the insights that FSB gained in cooperation with the Fraunhofer Society in the course of scientific analyses on the design of a lever handle for large-leaf doors in hospitals. Whereas the greatest attention was paid to ergonomic parameters when spawning the Ergo lever handle, in the case of FSB 1119 formal aesthetics have taken precedence. Its creator is FSB's in-house designer Hartmut Weise, who was also responsible for the ErgoSystem.

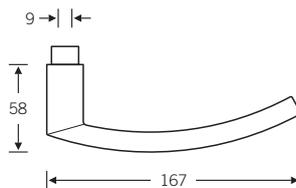
## FSB XXL lever handles



**7652** 9 mm □

■ Stainless steel

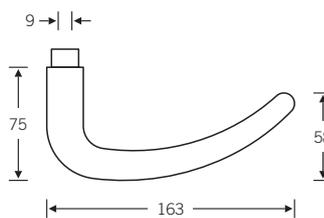
XXL variant of the FSB 1107 model



**7617** 9 mm □

■ Stainless steel

XXL variant of the FSB 1023 model



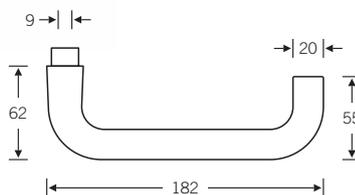
EN179



**7690** 9 mm □

■ Stainless steel

XXL variant of the FSB 1070 model



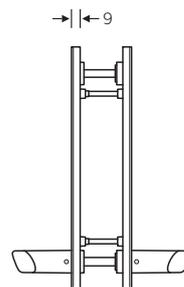
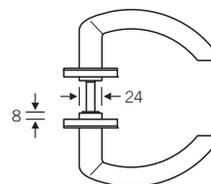
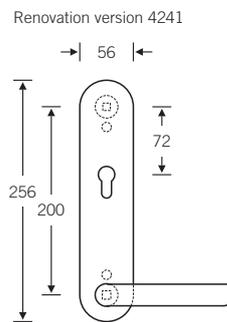
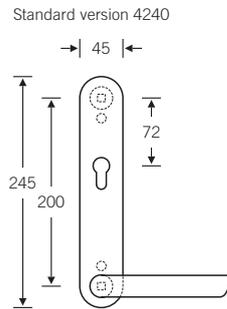
EN179

The XXL door levers FSB produces are a particularly popular choice for use on hospital ward doors. Architects are always coming to us demanding extra-long door handles.

These are the three designs that have established themselves in the marketplace over the years. For reasons of stability, FSB only supplies its XXL lever handles with a 9 mm spindle.

We recommend DIN heavy-duty (Class 5) locks, cf. page 531 ff.

# Barrier-free hardware



4240  
4241

- Aluminium
- AluGrey
- Stainless steel

Centres 72 (WC 78 mm)  
concealed fixing on both sides

Width of standard backplate 45 mm  
Width of renovation backplate 55 mm (to cover over old boreholes)

With the requirements for barrier freedom in mind, FSB has also given fresh thought to traditional hardware solutions. What distinguishes barrier-free door furniture is that, as well as the door handle being more easily reached by wheelchair users, it is also easier to insert the key due to its being situated – more accessibly and visibly – above the handle. Barrier-free hardware can be fitted to existing doors and locks without the need for any modification work. The renovation backplate (width 55 mm) conceals boreholes left by the old fittings, moreover.

Integrated into the hardware beneath the coverplate is a rugged mechanism that allows the lever handle to be positioned beneath the profile cylinder.

8a

**Order details:**

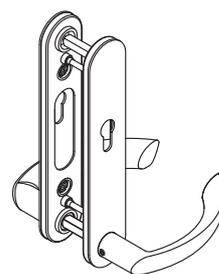
- DIN handing
- Lock follower dimensions
- Lock centres
- Lever handle model

Combinable with all FSB lever handle models.

Suitable for locks acc. to DIN 18 251

M5 stainless steel screws supplied as a function of door thickness.

Other lock centres can be catered to on request.



**Keyholes and Bathroom/WC version**







# Overview

## Showers and baths



Grabrail Page 482



Angled railss Page 482



Handrail configuration Pages 478ff.



Tray Page 478



Walking aid holder Page 487



Bath towel rail Page 493

## Products for washstands, bathroom accessories



Fixed support rails Pages 494f.



Drop-down support rail Page 495



Floor/wall-mount. supp. rail Page 496



Hooks Page 500



Hooks Page 500



Wall buffer Page 501

## WC



Drop-down and fixed support rails Pages 502f.



Backrest Page 504



Armrest Page 506



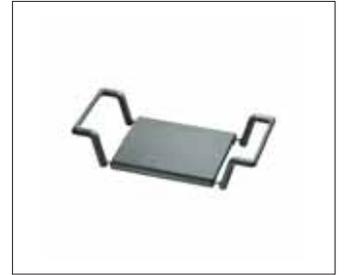
Hanging seat Page 484



Shower stool Page 485



Shower tip-up seat Page 486



Bath seat Page 486



Shower curtain rail Page 488



Splash guard holder Page 490



Shower head holder Pages 491f.



Slide rails Page 492



Towel holder Page 497



Tilting mirror Page 498



Wall mirror Page 499



Utensils tray Page 499



Toothmug holder, soap dish Page 500



Supporting leg Page 505



WC actuator Page 507

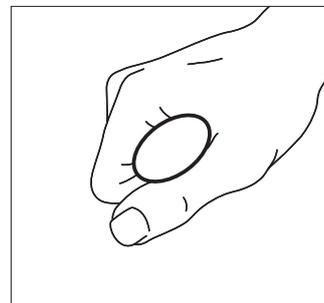


Toilet roll holder Pages 508f.



Toilet brush set Page 509

# ErgoSystem® for barrier-free living



## Spanning many generations

FSB has been a source of handle culture for over 120 years now. It was graphic designer-cum-philosopher Otl Aicher who, in the early 1980s, urged us to consider what operating a handle actually involves, and this eventually led to us formulating our “four-point guide to good grip”. Since then it has been the norm at FSB to consider ergonomic parameters when designing products.

## Barrier-free handle culture

FSB’s expertise in the sphere of door pulls has now been applied to designing barrier-free products for sanitary applications. The new diagonal-oval ErgoSystem draws rigorously on the laws of ergonomics. The new grab handle system offers the elderly and infirm in particular an ideal means of self-help by providing physical support in the sanitary and general domestic spheres and has, therefore, a strong social component. The system is an aid to activity, imparting a sense of safety and hence enhancing the quality of life. An expert’s report by the German Society for Geriatric Engineering expressly confirms the high functional value of FSB’s ErgoSystem.

## Natural grip

If you press the tips of your thumb and forefinger together, you may be surprised to discover you have created an oval hollow in between. FSB’s ergonomic new handle concept puts this simple observation to good effect. An oval form provides the ideal cross-section for a handle because it is so natural. This holds especially true if the oval section is then tilted through 45 degrees-diagonal angling that accords well with the movement through space our hands describe when taking hold of an object. The equation

diagonal + oval = optimum grip

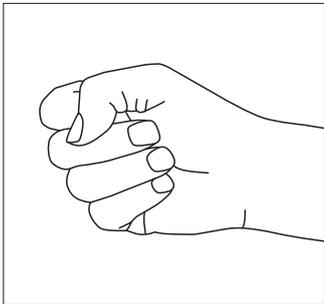
is what makes FSB’s latest ErgoSystem design so unique: this combination makes it easier to get a firm grip, something that is particularly crucial for the elderly or infirm.



reddot design award  
winner 2008

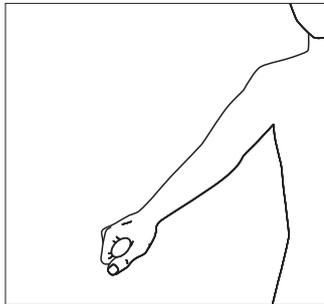


Innovationspreis  
architecture + health



The enclosing action

A basic distinction can be made between enclosing and taking hold of an object. With the latter action, only parts of the fingers come into contact with the object, hence force is only intermittently applied by one on the other. With the enclosing action, by contrast, the whole of the hand comes into play, allowing the full force available to be harnessed. This is the most spontaneous kind of grip, one we all instinctively adopt when we are forced to keep our balance or support ourselves. An oval cross-section accords particularly well with the anatomical dictates of the human hand. Our hand encloses the elliptical section snugly. Pressure is applied evenly by all parts of the fingers and the best use is made of all the joints in the hand, including the wrist. This means that far less force needs to be exerted than with a circular cross-section to prevent the handle slipping out of our grasp. The oval form provides the best possible means of support whilst keeping physical effort low.



Sturdiness in the diagonal

The second variable for ergonomic design concerns the diagonal movement through space described by the arm as it seeks to orient and support itself when taking hold of an object. The action is set in motion by the shoulder joint, carried out by the hand via the outstretched or slightly angled arm, and rounded off with an enclosing action. A sturdy triangle is thus created that makes for optimum transmission of forces from the body to the hand via the arm. We have accordingly opted for an oval cross-section for the grab and support handles, setting them at an angle of 45 degrees.

The design concept

Form and function are as one in our ErgoSystem products. Their angled oval grip sections deliver a high level of ergonomic gripping comfort and do not require dimpling of any type to aid the transmission of forces. It is likewise possible to forego all forms of anti-slip surface texturing. Rugged fixing roses make a very reassuring impression on the user. The stainless steel used is incomparably sturdy and corrosion-resistant. It remains virtually free of marks and scratches even if continuously subjected to the roughest forms of treatment. The distinctive formal vocabulary of the elliptical grip sections combines with the design of the connector elements to engender a sense of airy elegance.

The striking design features of this functional handle system are carried over in their entirety into the complementary accessories, thus ensuring end-to-end design schemes for showers, baths, washstands and toilets. Here, too, our insights into the gripping action underpinned development efforts and gave rise to some very user-responsive solutions: the toothbrush beaker holder, for instance, is tilted outwards, whilst the toilet brush is at an angle conducive to speedy removal and reverts to that position when returned to its container. This reduces to a minimum the number of hand and arm movements required. The quality of the ErgoSystem is the sum of its functional support solutions and its restrained, end-to-end design.

8b

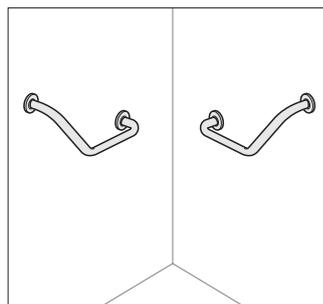
The products covered in the ErgoSystem section likewise undergo stringent quality control at our works. They have also been submitted to the Rhineland Technical Inspection Agency and the German Society for Geriatric Engineering to be examined and validated against quality and safety requirements.

All products have been accorded the following quality kite-marks:



We can forward the relevant certificates upon request.

## Showers and baths



The handing of angled rails and handrail configurations relates to the view into the corner of the space: angled rails indicated as being "lefthand" are for fitting to the lefthand wall from this perspective and vice versa.



# 8213

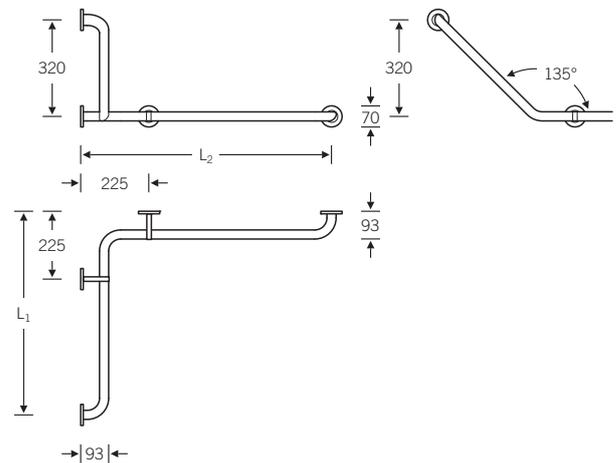
■ Stainless steel

Handrail configuration

- 8213 0101 r.h.
- 8213 0102 l.h.
- 8213 0201 r.h.
- 8213 0202 l.h.

- $L_1 = 675 \text{ mm}$   $L_2 = 675 \text{ mm}$
- $L_1 = 675 \text{ mm}$   $L_2 = 675 \text{ mm}$
- $L_1 = 825 \text{ mm}$   $L_2 = 675 \text{ mm}$
- $L_1 = 675 \text{ mm}$   $L_2 = 825 \text{ mm}$

Shown here: l.h.



8b

Specification details:  
[www.fsb.de/ergosystem](http://www.fsb.de/ergosystem)

## Showers and baths



8210 0201 r.h.  
8210 0202 l.h.  
8210 0301 r.h.  
8210 0302 l.h.

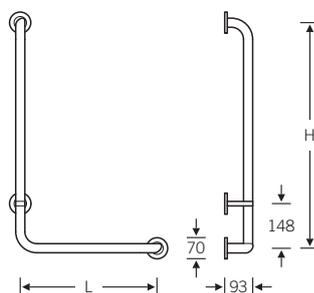
### 8210

■ Stainless steel

“L” shaped grabrail

H = 1048 mm L = 450 mm  
H = 1048 mm L = 450 mm  
H = 1198 mm L = 600 mm  
H = 1198 mm L = 600 mm

Shown here: l.h.



8211 0101 r.h.  
8211 0102 l.h.  
8211 0201 r.h.  
8211 0202 l.h.  
8211 0301 r.h.  
8211 0302 l.h.

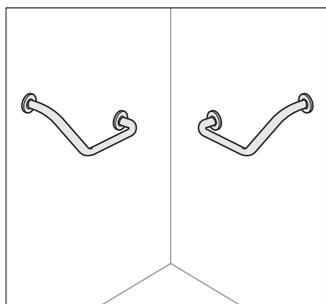
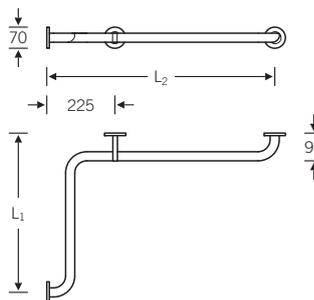
### 8211

■ Stainless steel

Handrail configuration

L<sub>1</sub> = 750 mm L<sub>2</sub> = 528 mm  
L<sub>1</sub> = 528 mm L<sub>2</sub> = 750 mm  
L<sub>1</sub> = 975 mm L<sub>2</sub> = 528 mm  
L<sub>1</sub> = 528 mm L<sub>2</sub> = 975 mm  
L<sub>1</sub> = 750 mm L<sub>2</sub> = 750 mm  
L<sub>1</sub> = 750 mm L<sub>2</sub> = 750 mm

Shown here: l.h.



The handing of angled rails and handrail configurations relates to the view into the corner of the space: angled rails indicated as being “lefthand” are for fitting to the lefthand wall from this perspective and vice versa.

Specification details:  
[www.fsb.de/ergosystem](http://www.fsb.de/ergosystem)

# Showers and baths



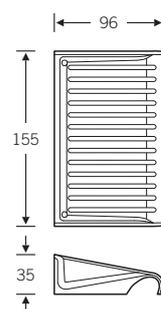
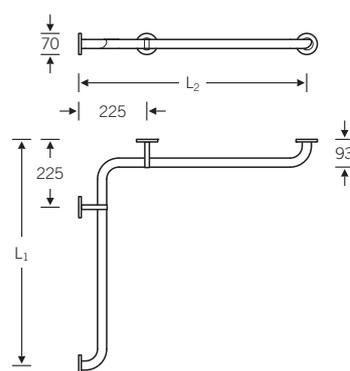
## 8212

■ Stainless steel

Handrail configuration

- 8212 0100
- 8212 0200
- 8212 0301
- 8212 0302

- L<sub>1</sub> = 750 mm L<sub>2</sub> = 750 mm
- L<sub>1</sub> = 975 mm L<sub>2</sub> = 975 mm
- L<sub>1</sub> = 750 mm L<sub>2</sub> = 1125 mm
- L<sub>1</sub> = 1125 mm L<sub>2</sub> = 750 mm



## 8260 0039

Plastic

Soapdish for attaching to grabrail and handrail configurations

8b

Specification details:  
[www.fsb.de/ergosystem](http://www.fsb.de/ergosystem)

## Showers and baths



### 8201

■ Stainless steel

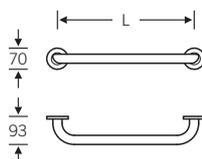
Grabrail

8201 3000 | L = 300 mm

8201 4500 | L = 450 mm

8201 6000 | L = 600 mm

8201 9000 | L = 900 mm

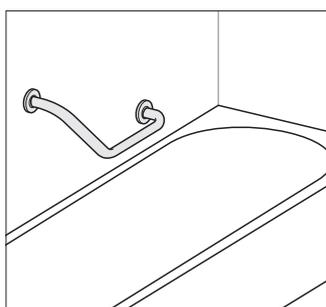
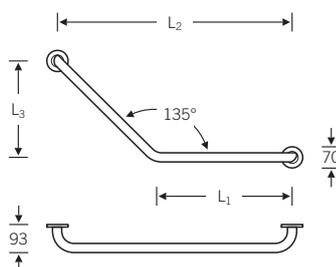


### 8202

■ Stainless steel

Angled grabrail

8202 5120	L <sub>1</sub> = 300 mm	L <sub>2</sub> = 512 mm	L <sub>3</sub> = 210 mm
8202 7720	L <sub>1</sub> = 450 mm	L <sub>2</sub> = 772 mm	L <sub>3</sub> = 320 mm



Specification details:  
[www.fsb.de/ergosystem](http://www.fsb.de/ergosystem)

## Showers and baths

### 8203

■ Stainless steel

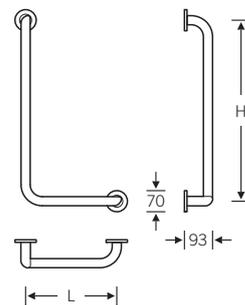
“L” shaped grabrail

L = 300 mm H = 300 mm  
 L = 300 mm H = 600 mm  
 L = 300 mm H = 600 mm

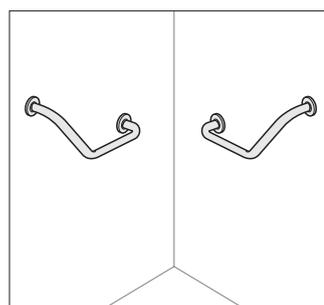
Shown here: l.h.



8203 3000  
 8203 6001 r.h.  
 8203 6002 l.h.



8b



The handing of angled rails and handrail configurations relates to the view into the corner of the space: angled rails indicated as being “lefthand” are for fitting to the lefthand wall from this perspective and vice versa.

Specification details:  
[www.fsb.de/ergosystem](http://www.fsb.de/ergosystem)

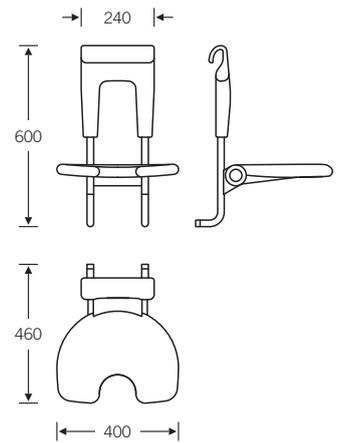
Showers and baths



**8250**

■ Stainless steel (Frame)  
 Seat section PUR

Hanging seat with spring-assisted tip-up mechanism and gripping bulk at the top of backrest



Specification details:  
[www.fsb.de/ergosystem](http://www.fsb.de/ergosystem)

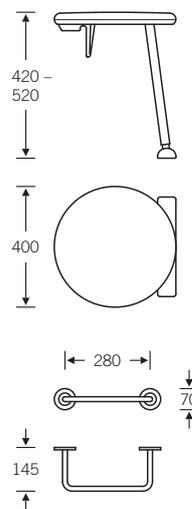
## Showers and baths



### 8241 1000

■ Stainless steel (Frame)  
Seat section PUR

Shower and bath stool  
rotatable  
Seat section with retention  
stirrup



### 8241

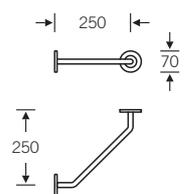
■ Stainless steel (Frame)  
Seat section PUR

Shower and bath stool  
rotatable seat section

### 8242

■ Stainless steel

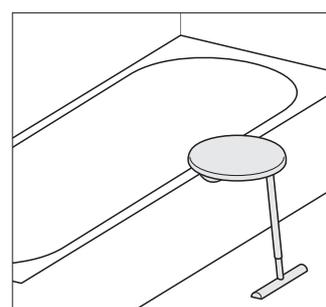
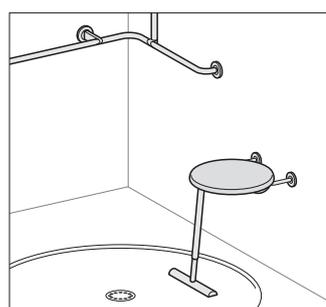
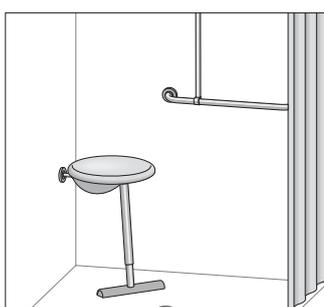
Retention stirrup for  
shower and bath stool



### 8242 0001

■ Stainless steel

Retention stirrup for  
shower and bath stool  
for fitting in corners



Specification details:  
[www.fsb.de/ergosystem](http://www.fsb.de/ergosystem)

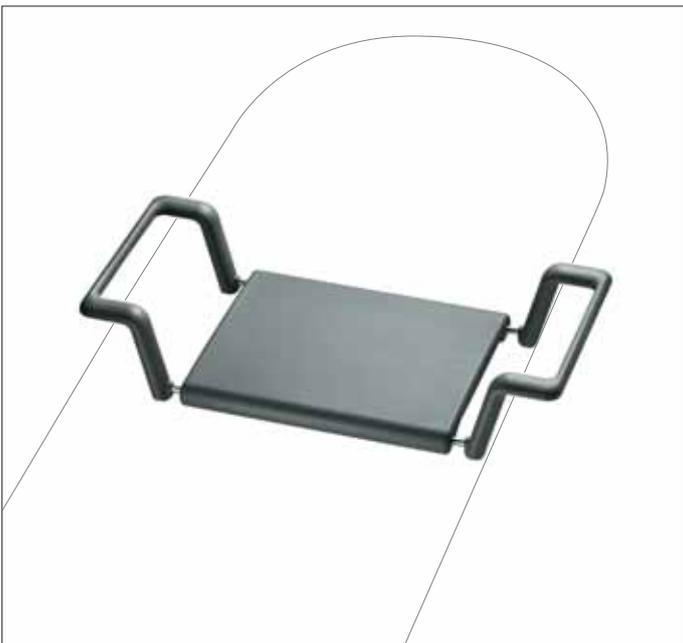
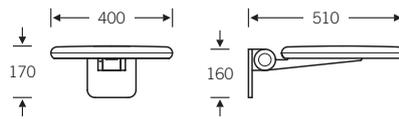
## Showers and baths



**8244**

■ Stainless steel (Frame)  
Seat section PUR

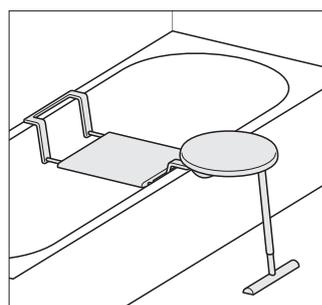
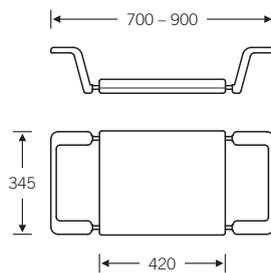
Tip-up shower seat  
rotatable seat section



**8240**

■ Stainless steel (Frame)  
Seat section PUR

Hanging bath seat



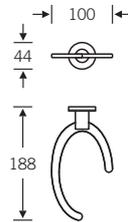
Specification details:  
[www.fsb.de/ergosystem](http://www.fsb.de/ergosystem)

Showers and baths

8260 0033

■ Stainless steel

Walking aid holder for universal positioning and use in the home



# Showers and baths



## 8238

■ Stainless steel

Showers curtain rail with curtain rings and ceiling connector that can be shortened

- 8238 1000
- 8238 1200
- 8238 1500

- $L_1 = 1000 \text{ mm}$     $L_2 = 1000 \text{ mm}$
- $L_1 = 1200 \text{ mm}$     $L_2 = 1200 \text{ mm}$
- $L_1 = 1500 \text{ mm}$     $L_2 = 1500 \text{ mm}$

## 8235

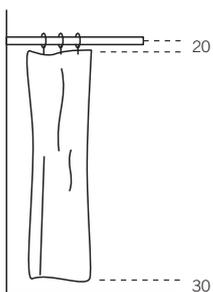
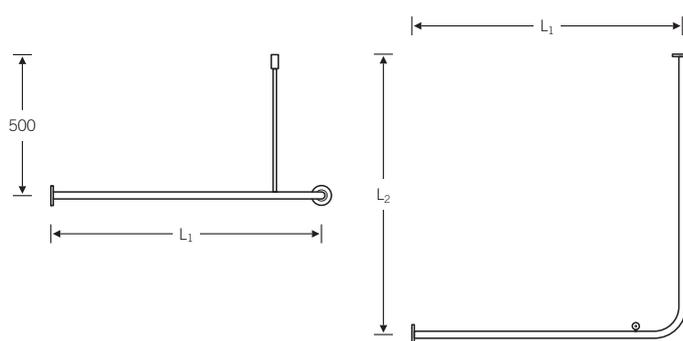
■ Stainless steel

Showers curtain rail with curtain rings and ceiling connector that can be shortened

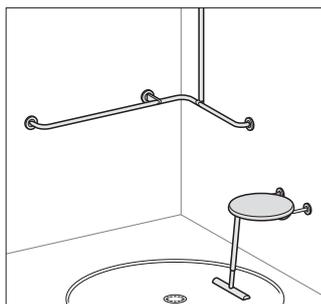
Anti-suicide variant with re-usable locking mechanism on the ceiling connector

- 8235 1200
- 8235 1500
- 8235 1800

- $L_1 = 1200 \text{ mm}$     $L_2 = 1200 \text{ mm}$
- $L_1 = 1500 \text{ mm}$     $L_2 = 1500 \text{ mm}$
- $L_1 = 1800 \text{ mm}$     $L_2 = 1800 \text{ mm}$

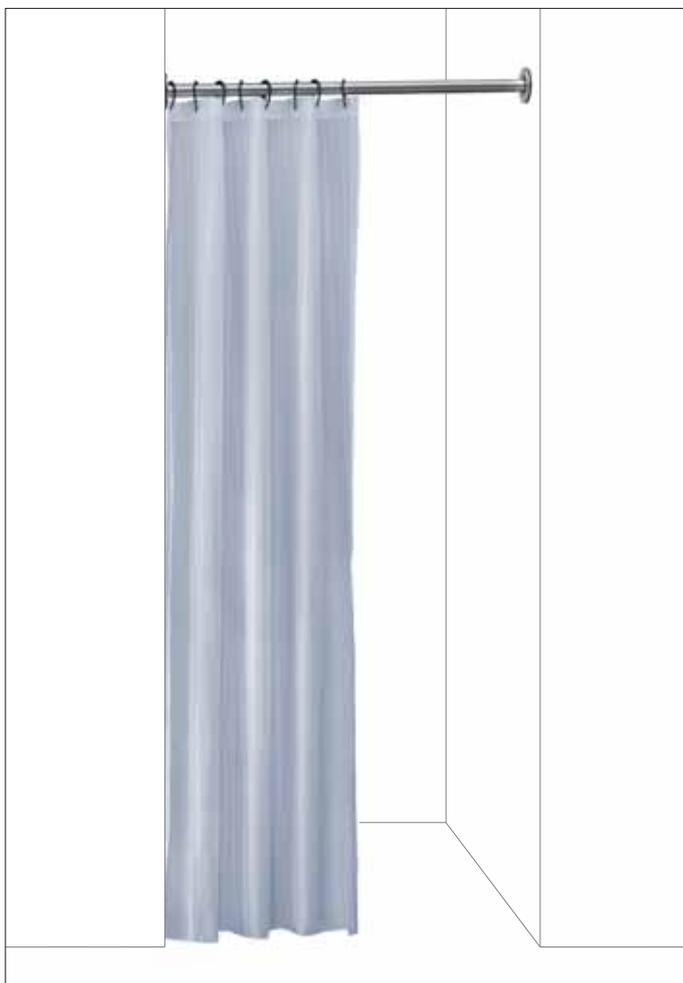


Important note: the distance between the shower curtain rail and the ceiling must be at least 400 mm. The distance between rail centre and curtain is 20 mm and that between the bottom of the curtain and the floor ought to be 30 mm, cf. example shown.



Specification details:  
[www.fsb.de/ergosystem](http://www.fsb.de/ergosystem)

## Showers and baths



8234 0900  
8234 1200  
8234 1500  
8234 1800

### 8234

■ Stainless steel

Shower curtain rail with curtain rings for alcoves, can be shortened on site

L = 900 mm  
L = 1200 mm  
L = 1500 mm  
L = 1800 mm

Customised solutions on request.

### 8237

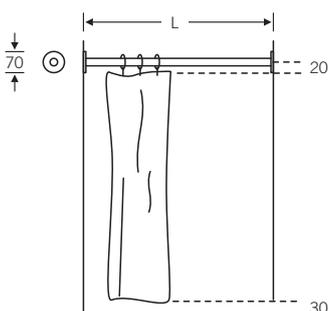
Textile

Shower curtain with attachment eyelets, variants on page 490

Shower curtain rails running round a corner require two curtains

8237 1200 ....  
8237 1800 ....

L = 1200 mm H = 2000 mm  
L = 1800 mm H = 2000 mm



Important note: the distance between the shower curtain rail and the ceiling must be at least 400 mm. The distance between rail centre and curtain is 20 mm and that between the bottom of the curtain and the floor ought to be 30 mm, cf. example shown.

Specification details:  
[www.fsb.de/ergosystem](http://www.fsb.de/ergosystem)

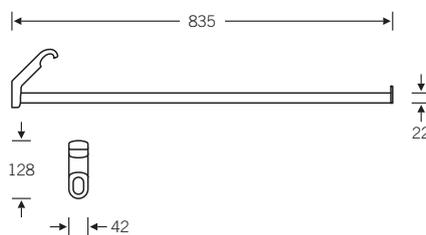
## Showers and baths



### 8249

■ Stainless steel

Splash guard holder for shower, hooks onto FSB grabs and handrail combinations



### 8236 0850

Textile

Splash guard with fastening loops, for use on FSB drop-down support rails 850 mm in length

L = 900 mm H = 720 mm

8236 0850 ....

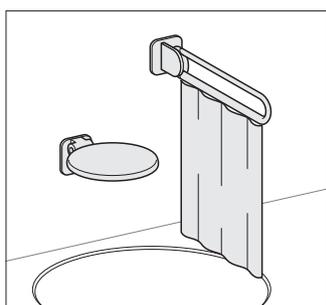
8200 magicwhite



9000 white



8800 manhattan



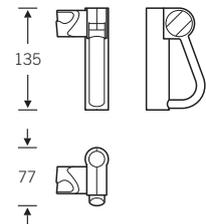
Specification details:  
[www.fsb.de/ergosystem](http://www.fsb.de/ergosystem)

## Showers and baths



The new shower head holder makes for convenient showering: it combines an ergonomically fashioned bow handle that is safe and easy to operate without any turning action involved and features a maintenance-free, continuously adjustable height and tilt mechanism.

The shower head holder can be effortlessly adjusted with one hand – leaving the other free at all times and giving the user the opportunity to, for instance, hold on to a grab handle.



8b

Specification details:  
[www.fsb.de/ergosystem](http://www.fsb.de/ergosystem)

## Showers and baths



### 8239

■ Stainless steel

Slide rail with shower head holder for fitting to grabs and handrail configurations

8239 1048 | L = 1048 mm

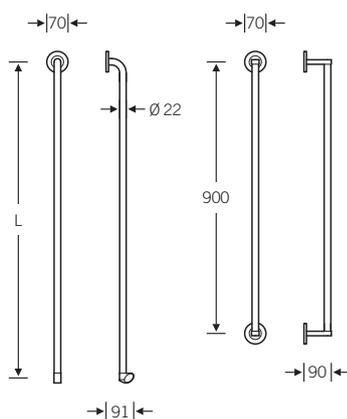
8239 1198 | L = 1198 mm

### 8260 0050

■ Stainless steel

Slide rail with shower head holder for fitting to wall

Length = 900 mm



Specification details:  
[www.fsb.de/ergosystem](http://www.fsb.de/ergosystem)

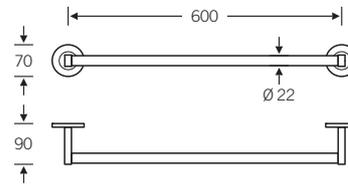
Showers and baths



8260 0011

■ Stainless steel

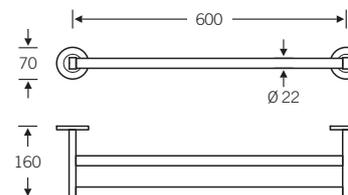
Bath towel rail



8260 0021

■ Stainless steel

Twin bath towel rail



8b

FSB Metric® bathroom  
accessoires cf. page 517ff.

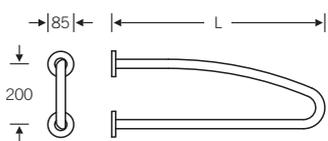
Washstands and  
bathroom accessories



8220

■ Stainless steel

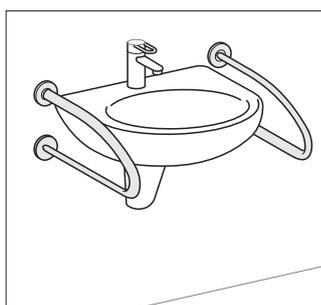
Fixed support rail



- 8220 Ø 6001 r.h.
- 8220 Ø 6002 l.h.
- 8220 Ø 7001 r.h.
- 8220 Ø 7002 l.h.

- L = 600 mm
- L = 600 mm
- L = 700 mm
- L = 700 mm

Shown here: l.h.



Specification details:  
[www.fsb.de/ergosystem](http://www.fsb.de/ergosystem)

# Washstands and bathroom accessories



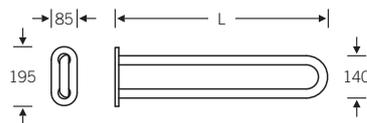
## 8221

■ Stainless steel

Fixed support rail

8221 6000 | L = 600 mm  
8221 7000 | L = 700 mm

Suitable for l.h. and r.h. applications.



## 8224

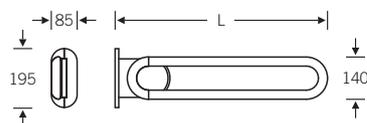
■ Stainless steel

Drop-down support rail with spring loading, ease of action adjustable as required

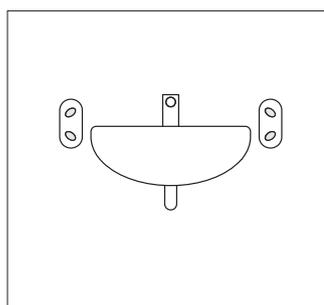
8224 6011 ⊙ r.h.  
8224 6012 ⊙ l.h.  
8224 7011 ⊙ r.h.  
8224 7012 ⊙ l.h.

L = 600 mm  
L = 600 mm  
L = 700 mm  
L = 700 mm

Shown here: l.h.



8b



All hardware bearing either the "⊙ righthand" or "⊙ lefthand" symbol needs to be ordered and fitted to suit the relevant handing. The prevailing view in this instance is that towards the washstand/WC: the "righthand" model is for fitting to the right of the washstand/WC and vice versa.

Specification details:  
[www.fsb.de/ergosystem](http://www.fsb.de/ergosystem)

# Washstands and bathroom accessories



- 8225 6001 ⊙ r.h.
- 8225 6002 ⊙ l.h.
- 8225 7001 ⊙ r.h.
- 8225 7002 ⊙ l.h.

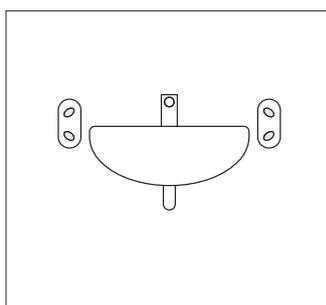
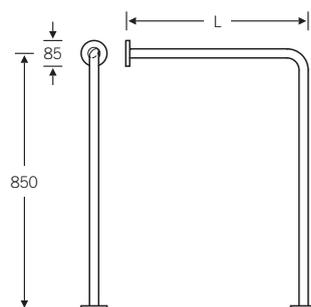
## 8225

■ Stainless steel

Floor/Wall-mounted support rail

- L = 600 mm
- L = 600 mm
- L = 700 mm
- L = 700 mm

Shown here: l.h.



All hardware bearing either the “⊙ righthand” or “⊙ lefthand” symbol needs to be ordered and fitted to suit the relevant handing. The prevailing view in this instance is that towards the washstand/WC: the “right-hand” model is for fitting to the right of the washstand/WC and vice versa.

Specification details:  
[www.fsb.de/ergosystem](http://www.fsb.de/ergosystem)

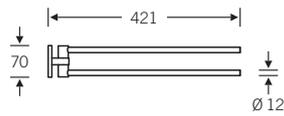
Washstands and  
bathroom accessories



8260 0010

■ Stainless steel

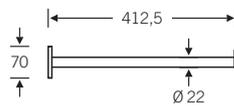
Twin towel holder  
with swivel capability



8260 0012

■ Stainless steel

Towel holder  
rigid



FSB Metric® bathroom  
accessoires cf. page 517ff.

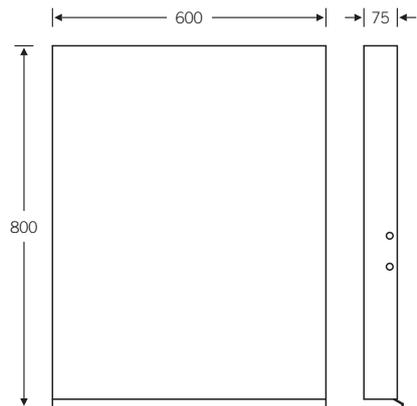
Washstands and  
bathroom accessories



**8260 0053**

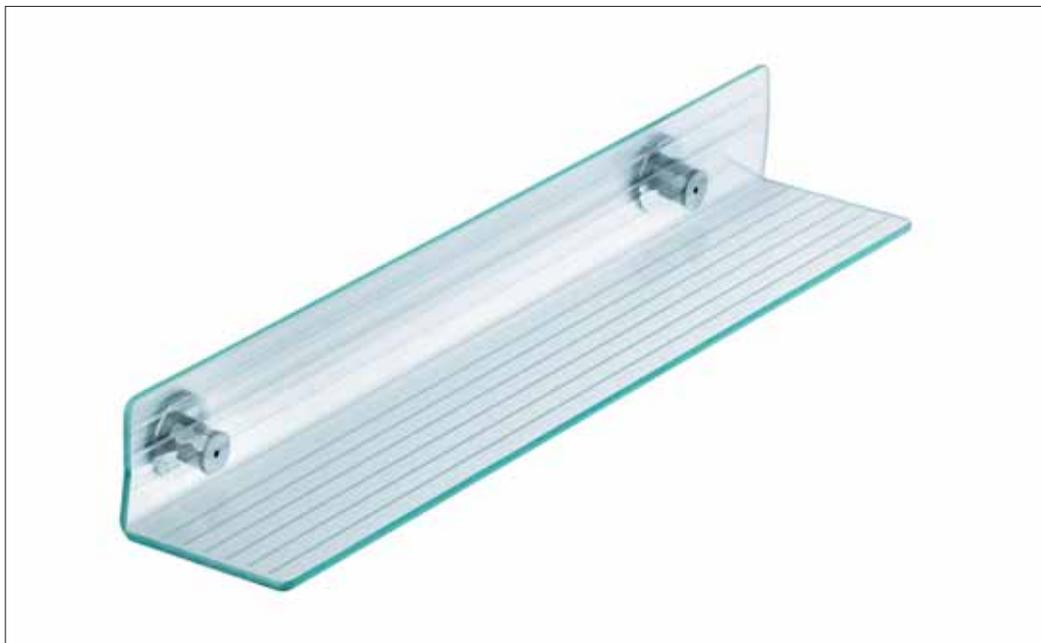
■ Stainless steel

Tilting mirror with angle of tilt adjustable from 0° to 12°, easy-action and customisable operation



Specification details:  
[www.fsb.de/ergosystem](http://www.fsb.de/ergosystem)

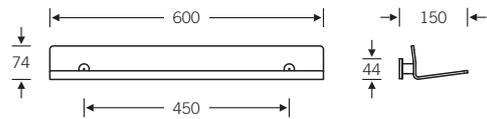
Washstands and bathroom accessories



8260 0015

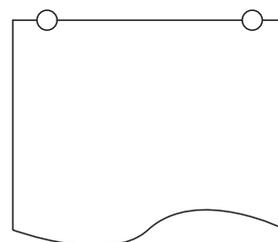
Plastic

Utensils tray with slight inclination towards the wall and non-slip surface for the safe deposit of items



8260 0051

Wall mirror  
1000 x 600 x 6 mm  
with 4 mirror holders



Specification details:  
[www.fsb.de/ergosystem](http://www.fsb.de/ergosystem)

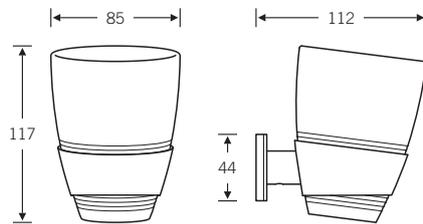
Washstands and  
bathroom accessories



8260 0041

■ Stainless steel  
Synth. mat.

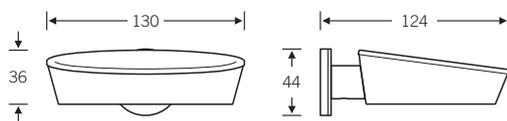
Toothmug holder with  
Synth. mat. tooth mug



8260 0040

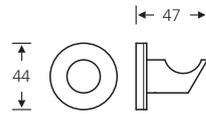
■ Stainless steel  
Synth. mat.

Soap holder with  
Synth. mat. soap dish



FSB Metric® bathroom  
accessoires cf. page 517ff.

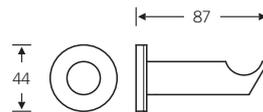
Washstands and bathroom accessories



8260 0001

■ Stainless steel

Wall hook



8260 0002

■ Stainless steel

Coat hook



8260 0005

■ Stainless steel

Wall hook

8260 1005

■ Stainless steel

Wall hook, anti-suicide variant with re-usable tilt fastening



8260 0007

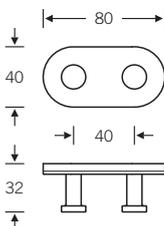
■ Stainless steel

Wall hook double

8260 1007

■ Stainless steel

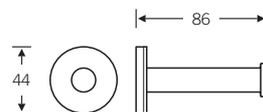
Double wall hook, anti-suicide variant with re-usable tilt fastening



8260 0006

■ Stainless steel

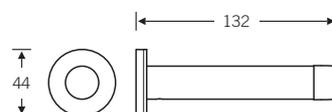
Coat hook



8260 0003

■ Stainless steel

Wall buffer



8b

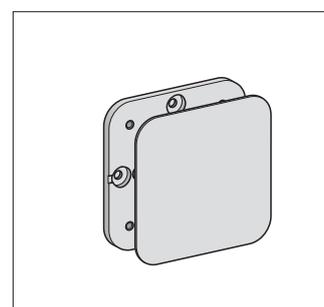
WC



8224

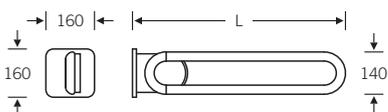
■ Stainless steel

Drop-down support rail with spring loading, ease of action adjustable as required



Wall bracket adaptor enabling fixed and drop-down support rails to be retrofitted as required

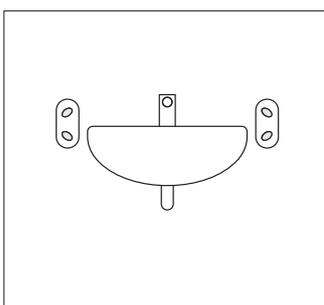
Order code 8227



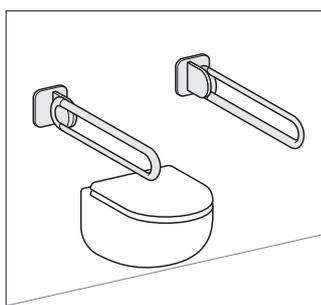
- 8224 6001 ☉ r.h.
- 8224 6002 ☉ l.h.
- 8224 7001 ☉ r.h.
- 8224 7002 ☉ l.h.
- 8224 8501 ☉ r.h.
- 8224 8502 ☉ l.h.

- L = 600 mm
- L = 600 mm
- L = 700 mm
- L = 700 mm
- L = 850 mm
- L = 850 mm

Shown here: l.h.



All hardware bearing either the “☉ righthand” or “☉ lefthand” symbol needs to be ordered and fitted to suit the relevant handing. The prevailing view in this instance is that towards the washstand/WC: the “righthand” model is for fitting to the right of the washstand/WC and vice versa.



Specification details:  
[www.fsb.de/ergosystem](http://www.fsb.de/ergosystem)

WC



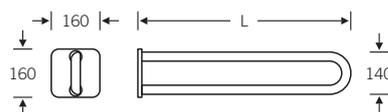
### 8222

■ Stainless steel

Fixed support rail

8222 7000 | L = 700 mm  
8222 8500 | L = 850 mm

Suitable for l.h. and r.h. applications.



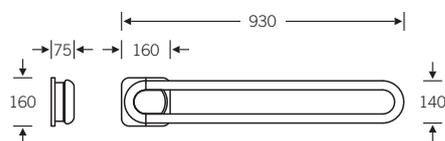
### 8224

■ Stainless steel

Drop-down support rail for lateral assembly so as to reduce utility shaft widths for WC bowls projecting max. 550 mm

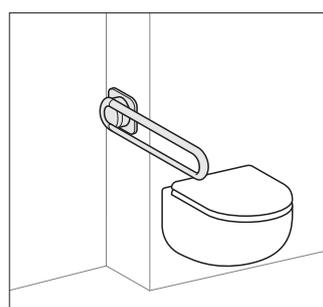
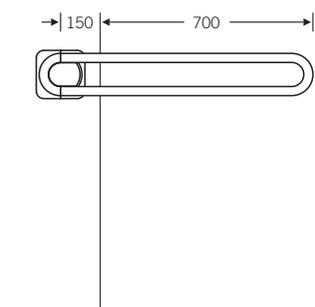
8224 7021 ☉ r.h.  
8224 7022 ☉ l.h.

Shown here: l.h.



8b

Assembly note



Specification details:  
[www.fsb.de/ergosystem](http://www.fsb.de/ergosystem)

WC

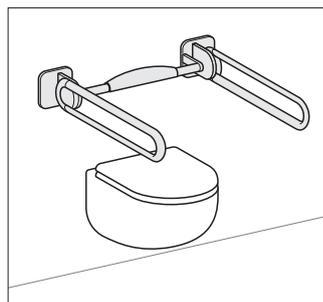
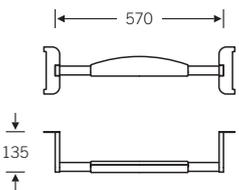


8247

■ Stainless steel  
PUR

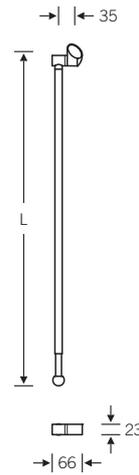
Backrest for retrofitting to drop-down support rails as required

Shown here:  
1 backrest 8247  
2 drop-down support rails 8224



Specification details:  
[www.fsb.de/ergosystem](http://www.fsb.de/ergosystem)

WC

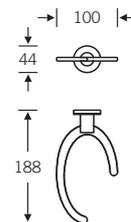


## 8228

■ Stainless steel

Leg for FSB drop-down support rails to increase supportable load by approx. 50 kg and reduce load exerted on wall

8228 0001 r.h.  
8228 0002 l.h.



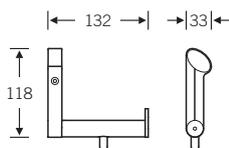
## 8260 0033

■ Stainless steel

Walking aid holder for universal positioning and use in the home

Specification details:  
[www.fsb.de/ergosystem](http://www.fsb.de/ergosystem)

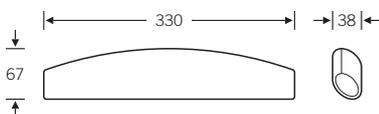
WC



8245

- Stainless steel
- Plastic

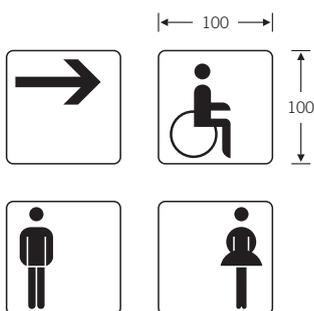
Toilet roll holder for fitting to support rails and grab handles



8246

PUR

Armrest for fitting to support rails and grab handles



4059 ....

- Stainless steel

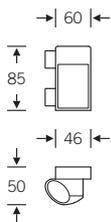
Information sign

- 4059 0004 This way
- 4059 0103 Wheelchair user
- 4059 0101 Man
- 4059 0100 Woman

All new information signs  
cf. page 232f.

Specification details:  
[www.fsb.de/ergosystem](http://www.fsb.de/ergosystem)

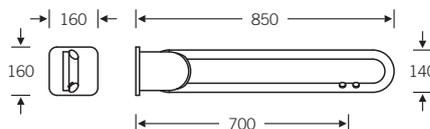
WC



8248 0002

■ Stainless steel  
Plastic

Radio-controlled actuator for flushing the WC

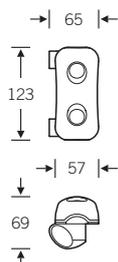


8224 8503

■ Stainless steel

Drop-down support rail with function buttons

righthand:  
8224 8503 blue (1) / yellow (1)  
8224 8505 blue (1)  
8224 8507 yellow (1)  
lefthand:  
8224 8504 blue (1) / yellow (1)  
8224 8506 blue (1)  
8224 8508 yellow (1)



8248

■ Stainless steel  
Synth. mat.

Push-button bracket for fitting to support rails and grabs  
Supplied without push buttons

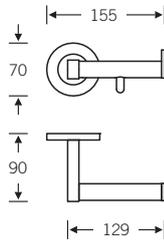
Shown here:  
Mepa Sanicontrol 860

Brackets for further makes can be supplied on request

8b

Specification details:  
[www.fsb.de/ergosystem](http://www.fsb.de/ergosystem)

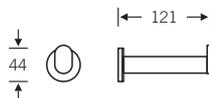
WC



8260 0030

■ Stainless steel

Toilet roll holder with roll retainer



8260 0031

■ Stainless steel

Spare toilet roll holder for one toilet roll

Specification details:  
[www.fsb.de/ergosystem](http://www.fsb.de/ergosystem)

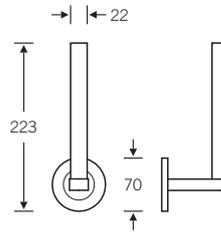
WC



8260 0032

■ Stainless steel

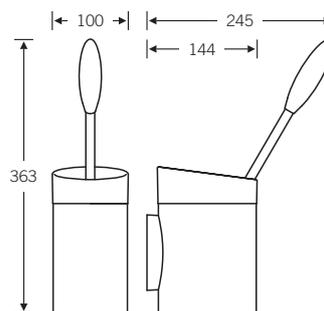
Spare toilet roll holder  
for two toilet rolls



8260 0042

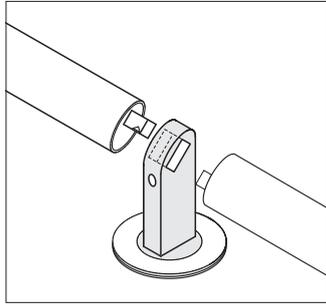
■ Stainless steel  
Plastic

Toilet brush set



FSB Metric® bathroom  
accessoires cf. page 517ff.

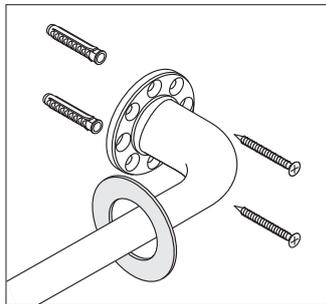
# Assembly and fastening methods



## Plug-in assembly

Handrail, corner and end sections are fitted with connector lugs having, on one side, a tapped borehole into which an M6 set screw has been inserted and, on the other, a countersink.

Sections are joined together by pushing these connector lugs into a snug-fit retention slot on the bracket and securely fastening them with a tool-size 3 socket key via a borehole on the underside.



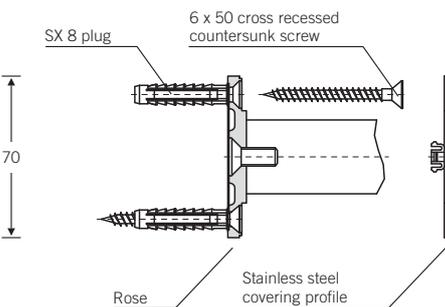
## Fixing

The fixing roses for the handrail and grab system have six boreholes, making for very secure screw fixing.

Once assembly has been completed, stainless steel covering profiles are attached to the fixing roses with the aid of plastic clips to conceal the screw fixing.

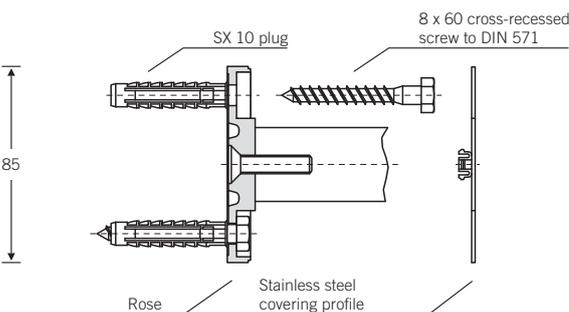
## Important note

Should your walls necessitate a different form of fixing (light-weight designs, cavity bricks, secondary wall systems etc.), please follow the instructions of the wall-plug or wall-system manufacturers.



Accessories comprising 6 X 50 stainless steel cross-recessed countersunk screws and SX 8 plastic wall plugs are supplied for fixing the handrail and grab system to solid masonry walls.

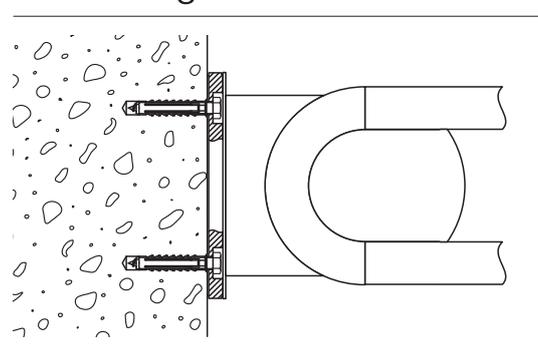
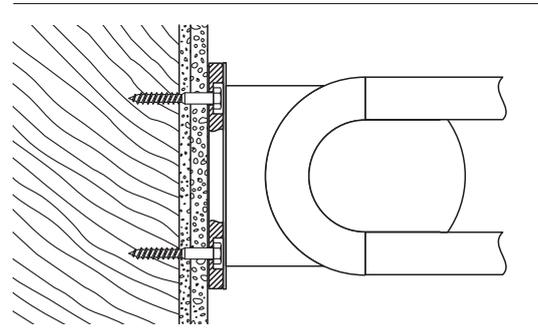
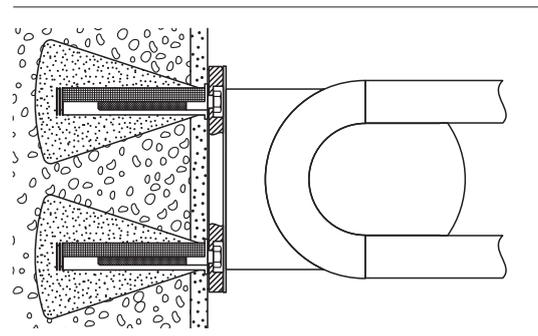
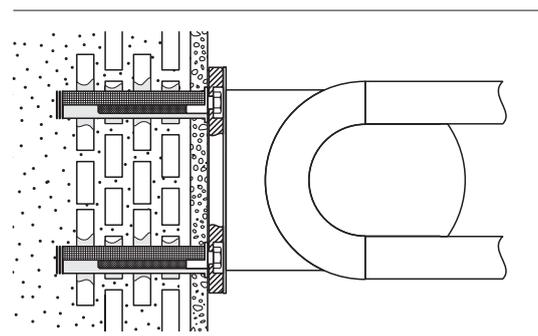
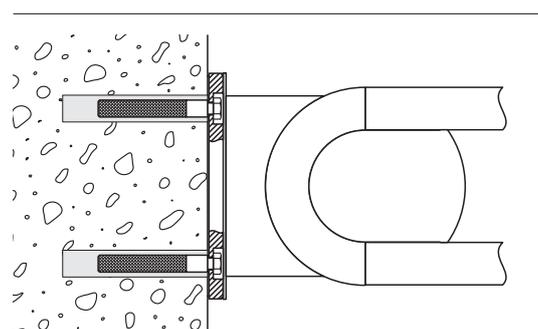
The means of fixing is concealed by clipping on the stainless steel covering profile. This type of fixing is specifically applicable for a rose of 70 mm Ø.



Accessories comprising 8 X 60 stainless steel hexagonal screws conforming to DIN 571 and SX 10 plastic plugs are supplied for fixing support rails and grab handles to solid masonry walls.

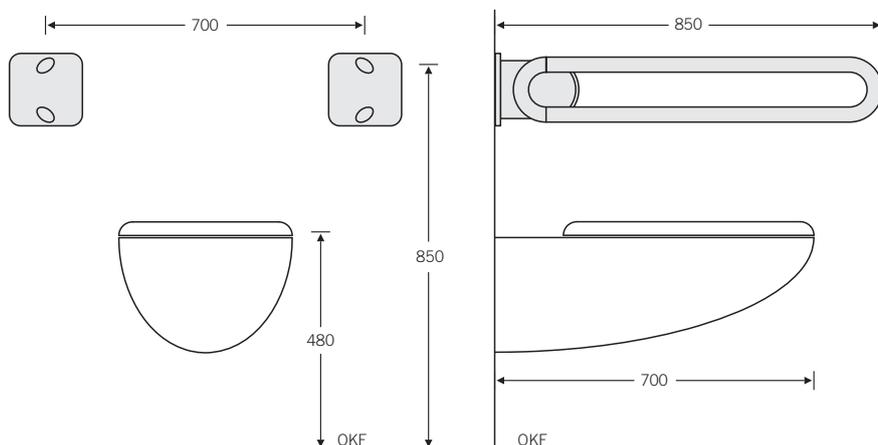
The means of fixing is concealed by clipping on the stainless steel covering profile. This type of fixing is specifically applicable for a rose of 85 mm Ø and plinth tiles.

# Recommended fastening methods

	Nature of wall	Grab handles and handrail configurations	Support rails and tip-up seat
	<ul style="list-style-type: none"> <li>· Concrete (&gt; B15)</li> </ul>	Fischer SX 8 x 40 wall plugs	Fischer SX 10 x 50 wall plugs  The screw material supplied by FSB can be used in conjunction with the wall-plug types shown here.
	<ul style="list-style-type: none"> <li>· Plasterboard</li> <li>· Chipboard</li> <li>· Hardboard backed with bonded laminated timber board</li> </ul>	6 x 50 cross-recessed countersunk screw	8 x 60 hexagonal screw acc. to DIN 571
	<ul style="list-style-type: none"> <li>· Solid V2 lightweight concrete block</li> <li>· Solid clay brick</li> <li>· HLz4 vertical coring brick</li> <li>· G2 expanded concrete (pumice stone)</li> <li>· Cored sand-lime brick</li> </ul>	Fischer SX 8 x 40 wall plugs	Fischer SX 10 LR x 80 wall plugs
	<ul style="list-style-type: none"> <li>· Vertical coring brick</li> <li>· Cored sand-lime brick</li> <li>· Cavity block</li> </ul>		Fischer with screw anchor collar  FISH 16 x 75 M injection screw anchor collar and FISE 11 x 75 M8 injection internal thread anchor
	<ul style="list-style-type: none"> <li>· Concrete</li> <li>· Natural stone</li> <li>· Solid sand-lime brick</li> <li>· Solid construction materials</li> <li>· Solid bricks</li> </ul>		Fischer with no screw anchor collar  FISE 11 x 75 M8 injection internal thread anchor

8b

# Planing advice WC



	DIN 18 025/1	DIN 18 025/2	DIN 18 024/2
Fixing height including seat	48 cm	as required	48 cm
WC depth (distance of front edge from wall)	70 cm	as required	70 cm
Negotiable area at sides	95 cm to the left or right	as required	95 cm to the left or right
Negotiable area in front of WC	150 cm deep 150 cm wide	120 cm deep 120 cm wide	150 cm deep 150 cm wide
Distance of WC from side wall	30 cm	as required	95 cm
Drop-down rails	as required	as required	on both sides at a height of 85 cm
- Distance between rails	as required	as required	70 cm
- Integrated flushing mechanism	as required	as required	on the left and right
- Integrated toilet roll holder	as required	as required	on the left and right
- Backrest	as required	as required	55 cm back from the front edge of the WC

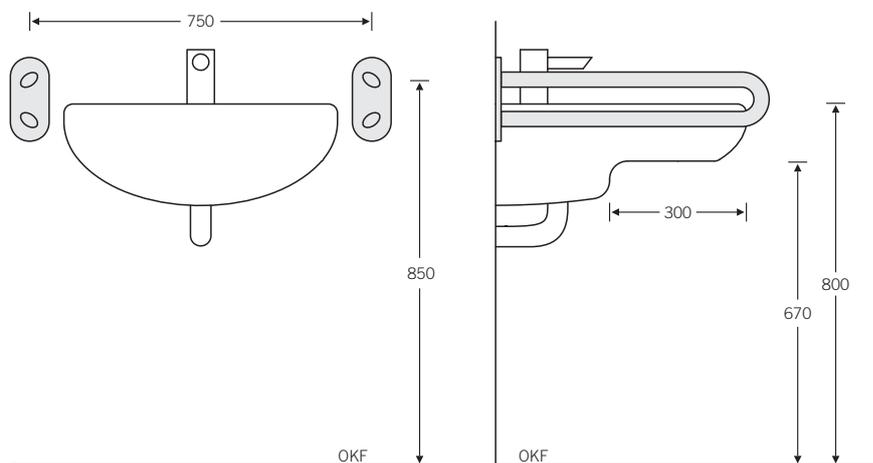
It is necessary when planning bathrooms and WCs in barrier-free buildings to conform to the following standards:

DIN 18 025 Part 1 applies to the planning, execution and fitting-out of new rented and cooperative accommodation and corresponding residential facilities suitable for wheelchair users.

DIN 18 025 Part 2 applies to the planning, execution and fitting-out of new, barrier-free rented and cooperative accommodation and corresponding residential facilities.

DIN 18 024 Part 2 relates to the planning, execution and fitting-out of public-access buildings or parts thereof as well of places of work and their outdoor facilities, i.e. of all structural facilities except those of a purely residential nature. This standard does not apply to schools, nursery schools or hospitals – these are governed by the building regulations in force in a given federal state.

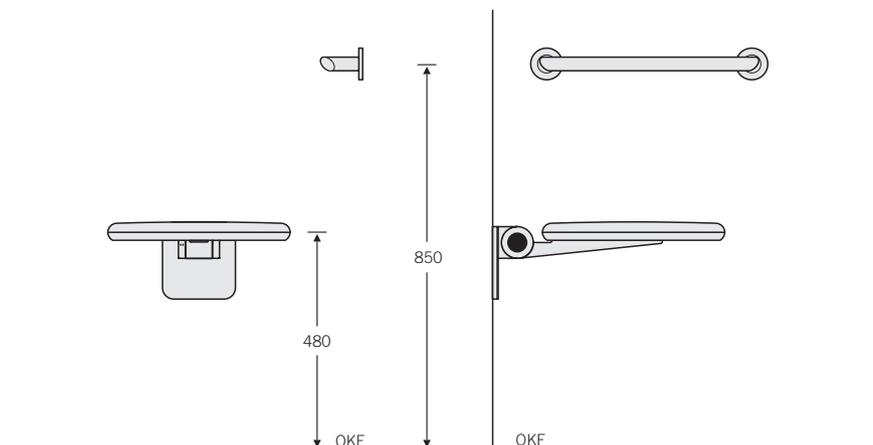
# Planing advice Washstands



	DIN 18 025/1	DIN 18 025/2	DIN 18 024/2
Fixing height, top edge of washstand	as required	as required	80 cm
Negotiable area in front of washstand	150 cm deep 150 cm wide	120 cm deep 120 cm wide	150 cm deep 150 cm wide
Free space at side of washstand	20 cm (preferably 30 cm)	20 cm (preferably 30 cm)	20 cm (preferably 30 cm)
Room to negotiate beneath	Knee space 30 cm	Knee space 30 cm	Knee space 30 cm
Seating room beneath	Depth at a height of 67 cm	Depth at a height of 67 cm	Depth at a height of 67 cm
Contactless single-lever fittings with anti-scald feature	mandatory	as required	mandatory
Soap dispenser	as required	as required	Dispensing point at side at a height of 85-100 cm
Flush or recess-mounted stench trap	mandatory	mandatory	mandatory
Mirror usable in either seated or standing position	as required	as required	Fixing height: bottom edge of tilting mirror 130 cm or else floor-to-ceiling mirror

8b

# Planing advice Shower



	DIN 18 025/1	DIN 18 025/2	DIN 18 024/2
Flush with floor (no steps to be negotiated)	150 cm deep 150 cm wide	120 cm deep 129 cm wide	150 cm deep 150 cm wide
Retro-installation of a bath	to be capable of having a lifter run underneath	must be possible	not prescribed for the public domain
Tip-up seat	Fixing height 48 cm	as required	Fixing height 48 cm
Grab handle	as required	as required	Fixing height 85 cm
Fittings	as required	as required	Fixing height 85 cm at side, within reach of a person sitting down

It is necessary when planning bathrooms and WCs in barrier-free buildings to conform to the following standards:

DIN 18 025 Part 1 applies to the planning, execution and fitting-out of new rented and cooperative accommodation and corresponding residential facilities suitable for wheelchair users.

DIN 18 025 Part 2 applies to the planning, execution and fitting-out of new, barrier-free rented and cooperative accommodation and corresponding residential facilities.

DIN 18 024 Part 2 relates to the planning, execution and fitting-out of public-access buildings or parts thereof as well of places of work and their outdoor facilities, i.e. of all structural facilities except those of a purely residential nature. This standard does not apply to schools, nursery schools or hospitals – these are governed by the building regulations in force in a given federal state.







## METRIC® in detail

The bathroom is increasingly becoming a place for tranquillity and relaxation. As a result, notions of how such spaces are designed are having to be reconsidered too. The concept of “atmosphere” has begun to play an ever more important part alongside purely functional requirements.

Factors such as “naturalness”, “simplicity” and “feeling good” are setting new standards both in the domestic sphere and in hotels and public areas. Growing significance attaches in the process to the selection and combination of natural materials, finishes and colours.

FSB is echoing this trend in the design of its METRIC bathroom accessory series.

METRIC's looks are consciously understated, being defined by geometric forms and premium materials. The stylistic contrast between round roses and rectangular-section supports is a thematic thread that runs through the entire series. The combination of the two simultaneously underscores the crisp structuring of the system's constituent parts. Its astutely balanced proportions have a soothing effect and blend harmoniously with a variety of design concepts.

Ergonomic criteria have been taken into account wherever they are an aid to fluent sequences of movements. The holder for the toothbrush glass, for instance, tilts towards the user in a manner that facilitates the act of removing the glass.

METRIC is supplied in satin stainless steel. As well as being aesthetically pleasing, stainless steel exudes an authenticity that combines particularly well with natural materials such as wood and granite and makes it a firm contender for inclusion in quality bathroom schemes.



This dependable material has a justifiable reputation for being serviceable, corrosion-resistant, easy to look after and durable. The quality with which FSB works stainless steel is the upshot of many decades of experience gained from producing well-designed, superlatively engineered hardware for doors and windows.

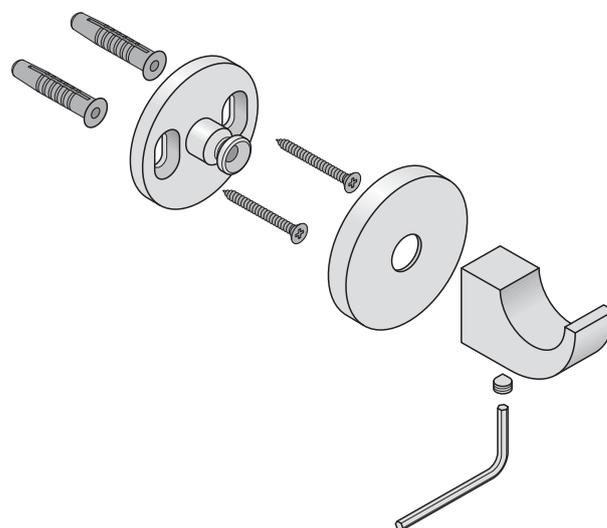
We have now applied this proficiency in design and manufacture to the METRIC bathroom accessory series.

### Fixing

The base rose (wall mounting) contains two parallel slots for optimum positioning and is screwed to the wall using the fixing material supplied.

The cover rose is then pressed home and the pattern aligned as required.

Final visual adjustment of the functional components is performed by firmly tightening the hexagon socket screw against the tensioning bolt.



# Overview



Bath towel rail Page 520



Bath towel rail Page 521



Towel holder Page 521



Shower rail Page 526



Utensils tray Page 522



Toothmug holder Page 523



Soap dish Page 523



Toilet roll holder Page 524



Spare toilet roll holder Page 524



Spare toilet roll holder Page 525



Toilet brush set Page 525



Coat hook Page 527



Coat hook Page 527



Wall buffer Page 527



Shower stool Page 528



Free-standing stool Page 529

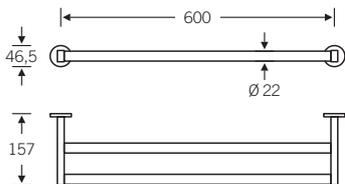
METRIC®  
Bathroom Accessoires



8270 0021

■ Stainless steel

Bath towel rail  
double rail



Specification details:  
[www.fsb.de/metric](http://www.fsb.de/metric)

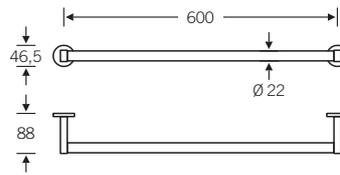
METRIC®  
Bathroom Accessoires



**8270 0011**

■ Stainless steel

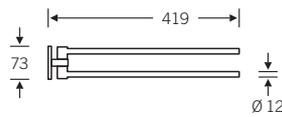
Bath towel rail



**8270 0010**

■ Stainless steel

Towel rail  
double rail, swivel action



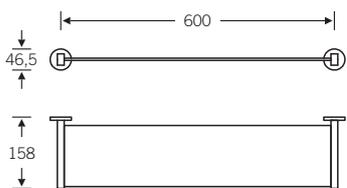
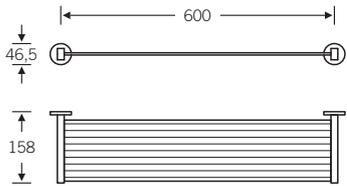
METRIC®  
Bathroom Accessoires



8270 0015

■ Stainless steel  
Glass

Utensils tray in frosted glass



8270 0016

■ Stainless steel  
Glass

Utensils tray in plain glass

Specification details:  
[www.fsb.de/metric](http://www.fsb.de/metric)

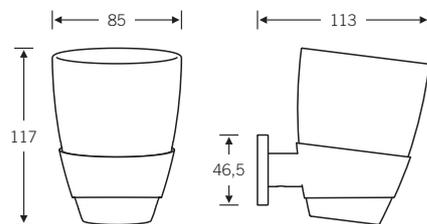
METRIC®  
Bathroom Accessoires



8270 0041

■ Stainless steel  
Glass

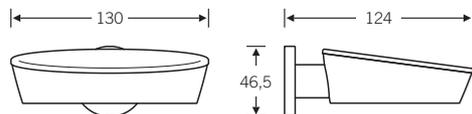
Glass holder with  
toothbrush glass



8270 0040

■ Stainless steel  
Synth. mat.

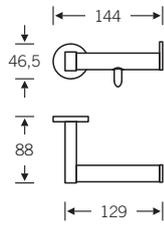
Soap holder with  
Synth. mat. soap dish



8c

Specification details:  
[www.fsb.de/metric](http://www.fsb.de/metric)

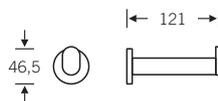
METRIC®  
Bathroom Accessoires



8270 0030

■ Stainless steel

Toilet roll holder with  
roll retainer



8270 0031

■ Stainless steel

Spare toilet roll holder  
for one toilet roll

Specification details:  
[www.fsb.de/metric](http://www.fsb.de/metric)

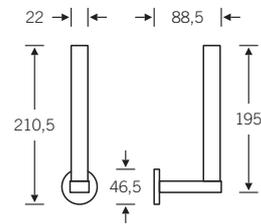
METRIC®  
Bathroom Accessoires



**8270 0032**

■ Stainless steel

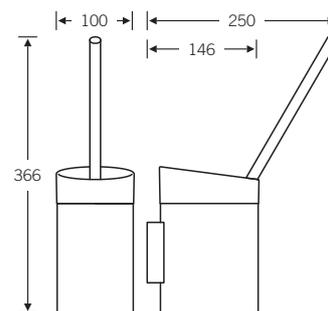
Spare toilet roll holder  
for two toilet rolls



**8270 0042**

■ Stainless steel

Toilet brush set



Specification details:  
[www.fsb.de/metric](http://www.fsb.de/metric)

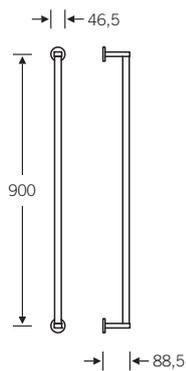
METRIC®  
Bathroom Accessoires



8270 0050

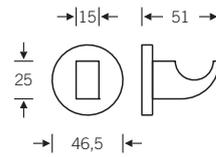
■ Stainless steel

Shower rail with shower-head  
bracket for wall fixing



Specification details:  
[www.fsb.de/metric](http://www.fsb.de/metric)

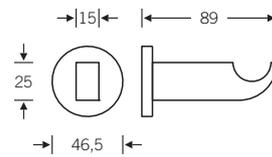
METRIC®  
Bathroom Accessoires



8270 0001

■ Stainless steel

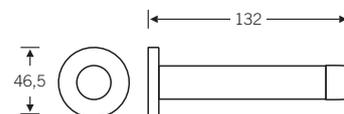
Coat hook



8270 0002

■ Stainless steel

Coat hook



8270 0003

■ Stainless steel

Wall buffer

Specification details:  
[www.fsb.de/metric](http://www.fsb.de/metric)

8c

**METRIC®**  
**Bathroom Accessoires**

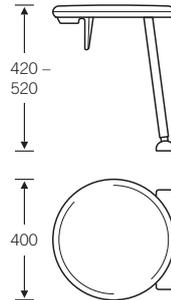


**8241**

■ Stainless steel (Frame)  
 Seat section PUR

Shower and bath stool  
 rotatable  
 Seat section with retention  
 stirrup

The height-adjustable bath stool with rotating seat is designed with comfort in mind. Propped up against the edge of the bath, it makes getting into the bath easier. Further bathroom functions such as body care or getting dressed/undressed are likewise facilitated.



Specification details:  
[www.fsb.de/metric](http://www.fsb.de/metric)

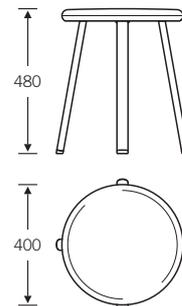
METRIC®  
Bathroom Accessoires

8243

■ Stainless steel (Frame)  
Seat section PUR

Free-standing stool with  
rotating seat

The free-standing stool has a  
rotating seat and is very con-  
venient in the bathroom and  
for getting dressed/undressed.



### **The Salubra wallpaper collection by Le Corbusier.**

To get to grips with the problem of colour fluctuations, Le Corbusier used common colour pigments when mixing his colours. By a felicitous coincidence, he was contracted by wallpaper manufacturers Salubra to develop a new collection in the early 1930s. Wallpapers are reproducible and free of colour fluctuations and thus accorded excellently with what he was after. Le Corbusier's colour grammar, the "Polychromie architecturale", was already highly evolved by this stage and tested in practice. The first Salubra collection comprised 43 unitone shades and a number of diaper and dot patterns. He chose pastel shades derived from the 12 base colours for

the most part, amongst them ochre and earth colours, ultramarine, "English green", orange, blue, vermilion and crimson plus white and four shades of grey. The collection was striking for the way it seemed to be put together like a musical scale. A slide device in sample books enabled contrasting colour combinations for main walls and smaller surfaces to be bracketed. The colours were also arranged by moods designating the desired spatial effect, moreover. Le Corbusier did not have recourse to wallpapers that often himself – nevertheless, they were an artistic inspiration to him and found expression in his late work in the form of collages