

**ErgoSystem® + METRIC**  
for a life of barrier-free comfort







# Functionality, ergonomics, aesthetics

The above qualities are what FSB's ErgoSystem is all about.

It acts to support old or handicapped persons (and their helpers – be they companions or staff) as they negotiate their way around bathrooms and toilets as well as allowing them to be more self-sufficient and enjoy greater care comfort and quality in the home.

The ergonomics of FSB's ErgoSystem are unique. We tapped every drop of expertise acquired in over 125 years of grappling with handle culture for doors and windows when developing our diagonal-oval ErgoSystem, which most admirably delivers on the issue of hardware for enclosure by the human hand.

Proof that functional and ergonomic products can also look good (indeed, in our view they must) is provided by the many awards won for the design of our ErgoSystem, a boon for discerning eyes as well as for gripping hands.

Our METRIC offering is a versatile range of unobtrusive bathroom accessories set apart by their geometric forms and top-quality materials. Their formal design is in keeping with the classical theory of proportions. METRIC blends in seamlessly with a variety of design concepts – whether in combination with ErgoSystem products or as a self-standing line of accessories.

This Catalogue provides architects, project developers, planners, clients and operators alike with an exhaustive overview of the ErgoSystem for barrier-free living and the METRIC range of bathroom accessories. We would be happy for you to factor FSB into your concepts. We will gladly assist in your planning processes as well as offering comprehensive advice.

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# Handle solutions and systems for architecture

FSB is *the* brand for door and window hardware in “Project” buildings. Without a doubt, our being a number one choice amongst architects and project planners also has something to do with the expertise we have gathered in all aspects of “handle culture” over the past 125 years and more.

FSB products from the eastern Westphalian sticks (the “B” refers to our production site in lovely Brakel) have friends all over the world. The “Made in Brakel” seal is a watchword for timeless design, sharp engineering, durability and sustainability.

“Made in Germany” is a symbol of value of which we are proud – and a commitment that secures jobs and supports the domestic economy. Part and parcel of our day-to-day business are ideals such as a corporate culture that is lived out, resource-conscious production, well-conceived product design, technical perfection and socially responsible action.

Anyone who has spent as long thinking up functional extensions to the human hand as we have will inevitably also come up with products that go beyond the actual handle, examples being our biometric Fingerscan 2.0 door pull, our electronic access control system EZK, or our barrier-free “ErgoSystem® diagonal-oval” for sanitary applications. Forming the basis for the latter is a handle programme in satin matt stainless steel with a number of variants and lengths.

Its underlying principle is geared towards the laws of grip ergonomics. The unique diagonal thrust of an oval cross-section makes for optimum gripping quality with reduced exertion of force. Functionality, visuals and ergonomics add up to a compelling whole in the ErgoSystem.

It is a system that becomes universally applicable in combination with accessory elements such as toilet roll holders, push-button actuators, armrest pads or shower seats with rotatable, height-adjustable seat sections. ErgoSystem is the ideal solution for all requirements in the nursing and hospital spheres.

Made in Brakel  Germany





Without a doubt, a barrier-free home needs to be well engineered. We feel, however, that the formal quality of the products involved is just as important. We have harnessed our extensive "handle culture" experience and

architectural expertise to yield a system that allows the elderly or handicapped to design greater comfort into their lives without forgoing products that look good.



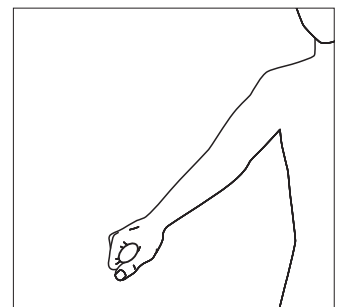
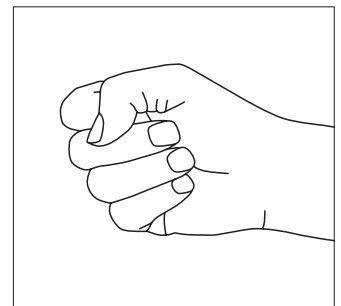
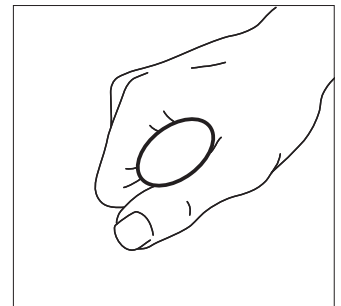
# Diagonal + oval = optimum grip

The barrier-free products we have designed for sanitary applications draw on 125 years of expertise acquired in all aspects of “handle culture”. The hardware in FSB’s diagonal-oval ErgoSystem adheres rigorously to the ergonomics of grip. Its diagonally tilted oval cross-section is a unique feature that optimises the action of gripping by the hand.

There is a basic difference between taking hold of an object and enclosing it. With the former, the fingers only intermittently come to rest and hence the hand only intermittently exerts any force. Enclosure, by contrast, involves the whole surface of the hand and hence a far more extensive transmission of force. The act of enclosing is the most archetypal form of grip: we all resort to it instinctively whenever we have to support our own body weight.

An oval cross-section conforms particularly well to the laws governing the anatomy of the hand. The hand encloses the elliptical cross-section snugly. The effort is distributed evenly between all finger joints and optimum use is made of all parts of the hand including the wrist. The upshot is that far less force needs be exerted by the hand than with a circular cross-section to prevent it slipping on the handle. Oval styling offers the greatest possible support whilst requiring little muscular exertion.

The oval section is thus organically pre-disposed to be adopted as a form for handles – especially if it is rotated through 45 degrees so as to become tilted diagonally forwards. This echoes the spatial sequence gone through when taking hold of something. The arm is in search of direction and support and describes a diagonal motion issuing from the shoulder joint and finding completion in the act of enclosure. A sturdy triangle is thus formed between the hand and shoulder used and the area the person is standing on. This causes bodily force to be transmitted via arm and hand to optimum effect.



design award  
winner  
2003



Designpreis der  
Bundesrepublik  
Deutschland  
2004 Anerkennung



reddot design award  
winner 2008



Innovationspreis

architecture + health





FSB 6204  
Stainless steel satin matt



FSB 6205  
Stainless steel mirror polish



FSB 6206  
Stainless steel sand-blasted matt



## A bright choice: stainless steel

The generic term “stainless steel” embraces over 100 different rust and acid-resistant steels. We use a chromium-nickel steel in the ErgoSystem that bears the material No. 1.4301 in conformity to DIN 17440. It contains approx. 18 % chromium and 8 % nickel. This is an alloy that has proved its worth in the construction sector.

### Properties that speak for themselves

Stainless steel is just the thing for use in bathrooms and sanitary spaces owing to its surface being extremely corrosion-resistant, resisting bumps and scratches however roughly used, showing little wear even if in constant use, and - primarily on account of its chromium and nickel content – being very easy to look after. An invisible passive film forms on the surface that is even said to have disinfectant properties.

FSB supplies its ErgoSystem in the finishes Stainless steel satin matt (FSB 6204), Stainless steel mirror polish (FSB 6205) and Stainless steel sand-blasted matt (FSB 6206). The stock Stainless steel satin matt version is particularly resilient. The Stainless steel mirror polish variant is an environmentally friendly alternative to chrome-plated finishes. The Stainless steel sand-blasted matt finish lends hardware a very haptic matt character. The mirror polish and sand-blasted variants are made to order.

### Tough as you like: areas of deployment

We recommend the ErgoSystem in stainless steel for all heavily frequented areas, notably in public buildings, hospitals, nursing/old people’s homes and admin blocks, on ships, at motorway service stations and in parks and sports facilities – wherever large numbers of people convene and there is a need for lasting serviceability coupled with ease of handling.

### Care? Easy!

Architectural hardware in stainless steel essentially needs no looking after. Dirt marks can be removed with a damp cloth. Should signs of rust appear on outdoor hardware or that used in chlorinated swimming baths after a while, this is what is known as flash rust, which is external in origin as opposed to emanating from within the material. It can be removed with vigorous rubbing.

Convenience can be so simple. A combination of grab handle and tip-up seat allows the elderly to enjoy showering like they used to. Rounding off the range are an ergonomic shower head holder, attractive shower curtains and a very practical splash guard.



## Aesthetics and functionalism for showers and baths



FSB's ErgoSystem facilitates extremely flexible planning of shower and bath areas by dint of a wide-ranging collection of grabs, angled handles and handrail configurations that can be combined with accessories, slide rails or a variable splash guard.

### **Solutions that sit well: flexible, comfy, need-driven**

The various seat solutions in the ErgoSystem contribute in a major way towards comfort and ease of use in showers: with height-adjustable wall-mounted and wall-hung shower seats by FSB in folding and rotating variants long having allowed adaptation to differing usage and care concepts, the new hanging seat is a paragon of flexibility. As and when required, it can be straightforwardly removed and refitted elsewhere. Aiding this process are a recess in the backrest and a spring-assisted folding mechanism that returns the seat to the vertical position when not in use. Its flexible means of attachment likewise permits of a scenario whereby not every bath needs to be equipped with a seat, fitting being on an ad hoc basis instead.



### **Single-handed operation and child's play to use: the new shower head holder**

Proof that, as well as being an all-in barrier-free system from a single source, the ErgoSystem can in equal measure be operated single-handedly is provided by the new shower head holder. It single-mindedly espouses the FSB philosophy of safe gripping: its height, tilt and alignment can be readily adjusted single-handedly – leaving one hand free so the user can, for instance, support him/herself against a grab handle. The retention mechanism is released without having to either rotate the hand or exert any force at all of note. Once the retainer has been released, the shower head holder rests safely and as if of its own volition in the user's hand.

In the care domain in particular, the splash guard promises to enhance comfort levels for patients and carers alike in that it preserves patient privacy whilst simplifying the staff's job of providing assistance in the bodycare process. It hooks over the grab to serve as a variably positionable privacy screen cum splash guard. Its uncomplicated form of attachment enables one splash guard to be used economically and flexibly throughout the ward – precisely where it is needed at any given time. It goes without saying that the fabric, which features a Velcro fastener, has been fungicide treated; it can also be washed and ironed. The hanging rail is made of PUR.

Its low weight in comparison with similar products marketed makes it far easier to carry around. Its well-conceived design fulfils every wish as regards both looks and handling. Its slender, restrained visuals render it conspicuously inconspicuous: it does not impose itself on the proceedings like an item of medical equipment but rather reveals its functional credentials when used in a most restrained and compelling manner.

Seat and back are made of kind-to-the-skin PUR, as are all FSB shower seats, and are ergonomically finished. A hygiene aperture has additionally been recessed into the seat. The backrest provides plenty of gripping substance at the top, making it easier for the patient to hold tight while sitting down. Its compact dimensions mean it does not project very far into the space and is hence conducive to greater freedom of movement in the bath. Need-responsive usage of the hanging seat is rounded off by optionally available support elements for wall or floor fitting.



In washstand areas, it is not just a question of being able to support oneself when needed. The ErgoSystem additionally includes a wealth of useful and appealing accessories – ranging from towel holders, wall mirrors and stowage space to hooks for dressing gowns – that will blend in with any bathroom.



## Well-conceived solutions and accessories for washstands



The design permeating our ErgoSystem likewise manifests itself in the washstand: the ergonomic principle of a tilted oval handle cross-section is reiterated here in the form, for instance, of a tooth mug angled slightly towards the user. The mug's conical styling allows it to be safely removed and accurately replaced.

### Both a practical and a beautiful reflection of FSB's expertise

Our tilting mirror is strikingly less conspicuous than other similar products on the market. Its reticent, pared-down design is devoid of visible adjusting devices and assiduously exemplifies FSB's approach to styling and finish. As with all ErgoSystem products, user friendliness enjoys top priority: The ease of action of the mirror's tilt adjustment mechanism can be pre-set as required. The maximum angle of tilt has been optimised with a view to minimising image distortion.



The astutely conceived mirror height ensures that there is eye contact between the (wheelchair-)seated patient and the carer behind, which is good for relations between the two. Despite being painstakingly geared to the needs of the handicapped and elderly, FSB's convenient tilting mirror also suggests itself as an accessory for any bathroom as, indeed, do so many products in the ErgoSystem range. It is the latest indication that recourse is being had to barrier-free products for bathrooms on account of both their practical benefits and their appealing looks.

### So small but so useful

The ErgoSystem's new wall and coat hooks add a splash of colour as well as being a handy means of identification: thus, a patient only needs to remember "their" colour to speedily locate their towel or dressing gown.

Elderly or handicapped people are frequently reliant on a wheelchair or walking aid in their day-to-day lives. FSB's walking aid holder ensures that the latter is within easy reach in the bathroom and can be put aside without toppling over.

The likewise randomly positionable, height-adjustable leg for drop-down support rails increases the load they can support by around 50 kg. It takes next to no time to fit the leg to the grip of the drop-down support rail and it can, therefore, be retrofitted at any time. Legs reduce the load exerted on the wall, particularly crucial where very heavy people are concerned, and simplify planning if there is any uncertainty regarding the structure of the wall or its load-bearing propensities. When the support rail is retracted, the leg swings up with it, thus proving it can be as discreet as it is functional.

Towel holders, hooks, utensils trays and door buffers round off the ErgoSystem range of accessories for washstands

Added convenience is almost a must for WCs once a person can no longer move as they once did. The ErgoSystem makes it easy not to be reliant on assistance from others in this delicate sphere of life. Our hardware can even facilitate flushing the loo or calling for staff: as an optional extra, we can supply the drop-down support rail complete with freely programmable function buttons.





## Safety in style for all WC applications



Forming the basis for our ErgoSystem is the diagonal-oval handle range in a variety of versions and lengths for all conceivable areas of application. Particularly characteristic of ErgoSystem components for WC areas is a design geared down to the last detail towards simplifying complex sequences of movements.

Key constituents here, too, are fixed and drop-down support rails adapted to the most varied of usage concepts; they are made of unsurpassedly rugged, non-corroding stainless steel that is virtually immune to denting and scratches even under the most exacting forms of continuous use. The distinctive formal vocabulary of the elliptical grip sections combines with the design of the connectors to lend the products an airy, elegant appearance. The rugged fixing roses for wall mounting make for longevity and user safety in equal measure. The fixed and drop-down support rails in FSB's ErgoSystem can be custom retrofitted with toilet roll holders and actuators.



### Greater safety thanks to freely programmable function buttons in the handle

As well as being highly convenient, the new freely programmable function buttons recessed into the grip of the drop-down support rail also meet the requirements of DIN 18 024/2, which stipulates that, in barrier-free construction in the public sector, it must be possible for a person to flush the toilet without moving their upper body. The integrated push buttons – which may be one, two or three in number – can, moreover, be custom configured (with an emergency-call function, for instance). They grant patients a large degree of independence from their carers by enabling them to comfortably activate the functions required themselves.

With the new WC actuator from FSB, a wave of the hand is all that's needed to flush the loo. The universally deployable radio-controlled device requires neither cabling nor any structural preparations; the WC actuator is freely positionable within the ErgoSystem and can likewise be retrofitted at any time. The actuator flexibly adapts to its users' changing needs in this way whilst guaranteeing planning freedom and certainty. It is compatible with the WC mechanisms of all the major suppliers.

### Know-how that shows through in the fine detail

ErgoSystem becomes a system with truly universal applications in combination with meaningful accessories that palpably enhance sanitary comfort levels such as a toilet brush set in which the handle is already angled for removal and is self-adjusting when replaced. This keeps the arm and hand movements required to a minimum.

Whatever one's level of physical fitness, ErgoSystem components considerably facilitate a number of WC routines – both for those with handicaps and those without.

### Flexible assembly with A-Flex

A-Flex is a new assembly system for drop-down support rails and foldaway shower seats in the ErgoSystem with which you can flexibly and speedily adapt to the individual or acutely changing needs of guests and patients. A-Flex facilitates flexible application and fixing in equal measure. The relevant spaces are merely fitted out with the wall-mounted A-Flex bearer complete with covering plate. The suitably prepared drop-down support rail or foldaway shower seat is slotted onto the bearer plate as required and is ready for use in a jiffy. A-Flex is covered in more detail on p. 68.

The ErgoSystem makes life easier: fitting a bathroom out with functional, good-looking ErgoSystem products by FSB delivers safety in style. Instead of becoming arduous chores for the elderly,

those regular trips to the bathroom remain one of their most straightforward and pleasant daily activities.



# Easily-grasped case for the ErgoSystem

## System features

- FSB's ErgoSystem conforms to all sections of DIN standards 18 024 and 18 025.
- The ErgoSystem is certificated to TÜV GS (product safety) and TÜV/GGT (comfort & quality).
- Highly non-corrosive handles and other parts in stainless steel. The alloy involved is virtually immune to denting and scratches even under the most exacting forms of continuous use and guarantees top hygiene properties.
- Hands fit snugly due to the uniquely elliptical styling of the grip section, which observes the laws of anatomy.
- By dint of the oval cross-section, demonstrably less force needs to be exerted both when taking hold of a handle and holding on to it.
- Making for optimum transmission of forces is the 45° tilt in the handle cross-section, which in line with the rules of ergonomics allows the hardware to be taken hold of in such a way that a triangle is formed between hand, shoulder and the body's vertical axis.
- The coherent design concept underpinning the ErgoSystem equates with high-profile qualities right through to the attendant accessories.

## System benefits

- The ErgoSystem's modular make-up, variety of products and plethora of retro-fittable accessory and complementary components make for flexible responses to changing conditions during planning and use:
- ErgoSystem grab handles can be supplied with non-standard dimensions on request so consideration can be given to specific requirements.
  - Handrail combinations in standard lengths or as system building blocks ensure optimum solutions in any area of application.
  - Continuous radii with no sharp edges combine with concealed fixings to meet hygiene requirements.
  - Barrier-free handle system with a single-minded target-group focus that exceeds general market requirements as regards planning, fitments and use owing to its demonstrable ergonomic and visual merits.
  - Custom dimensions and colours can be supplied, cf. p. 70f.
  - Anti-suicide variants of relevant accessory elements can be supplied, cf. p. 74ff.
  - Flexible attachment as required for components with an A-Flex solution, cf. p. 68f.

## Planning benefits

- The matching range of accessories likewise guarantees harmonious formal integration of the system into architectural schemes.
- With its sleek looks and a brushed matt stainless steel finish that discreetly echoes the colours around, the ErgoSystem unobtrusively blends in with bespoke bathroom environments.
- Its premium design quality mirrors the aesthetic requirements of a new generation of "youthful seniors".
- A high level of user acceptancy is brought about by a wide variety of ergonomically-driven fine detail in all product groups right through to the accessories, which afford users a maximum of comfort as well as assisting them in everyday sequences of movements.
- The ErgoSystem's modularity and versatility make for flexible responses to changing conditions during planning and use.
- Its standard fitments and complementary products guarantee differentiated spatial appointments in, for instance, "optional services areas".
- FSB's proximity to the market and status as a producer in Germany allow it to deliver bespoke solutions and innovations promptly and flexibly.



# Product digest

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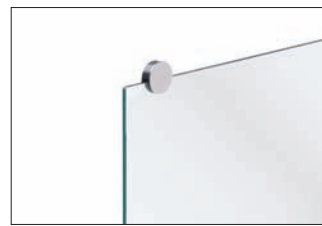
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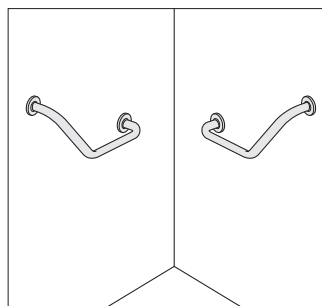
Products for  
showers and baths



## Showers and baths



Bespoke handrails  
on request (cf. p. 70)



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

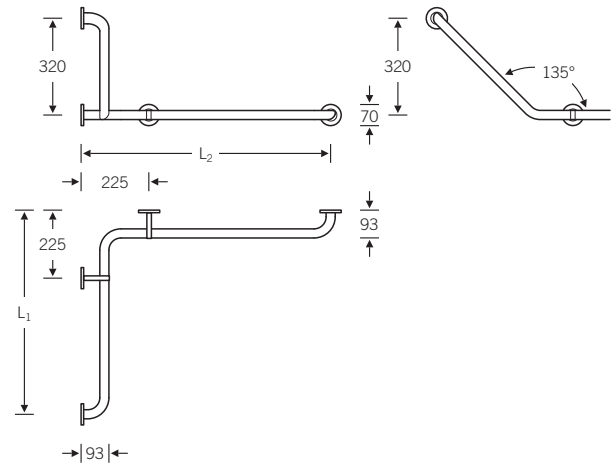
■ Stainless steel

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.



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

# Showers and baths



## 8210

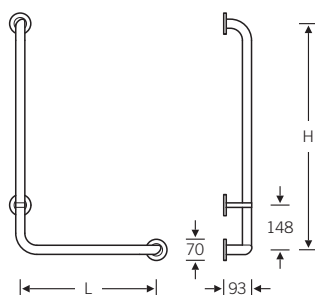
■ Stainless steel

Angled rail

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

- 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

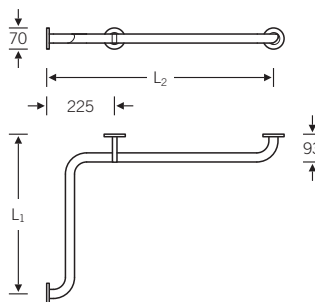
■ Stainless steel

Handrail configuration

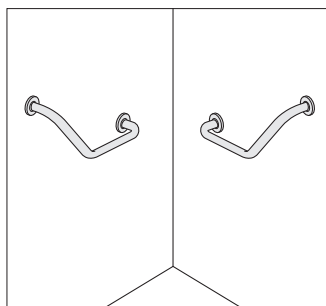
- 8211 0101 r.h.
- 8211 0102 l.h.
- 8211 0201 r.h.
- 8211 0202 l.h.
- 8211 0301 r.h.
- 8211 0302 l.h.

- 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.



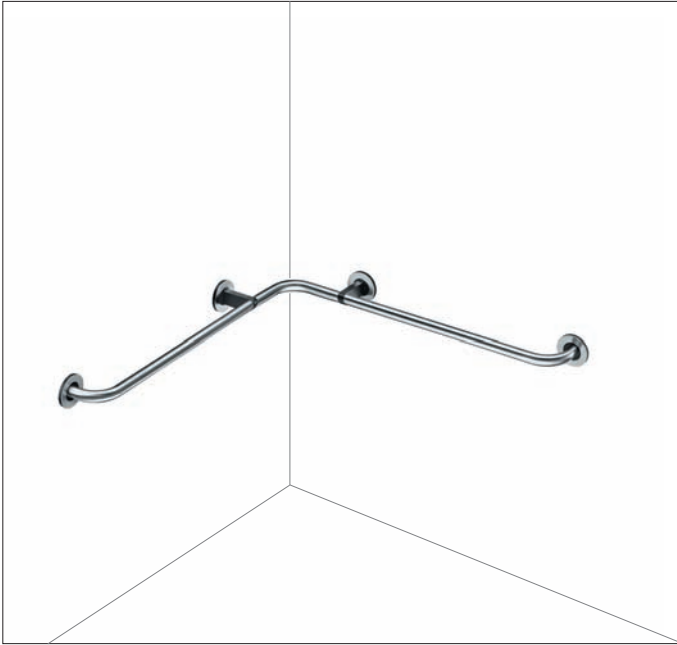
Bespoke handrails on request (cf. p. 70)



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



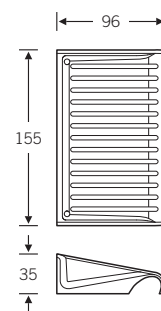
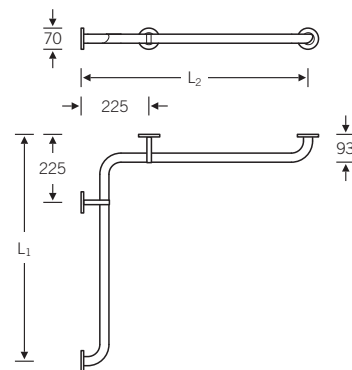
### 8212

■ Stainless steel

Handrail configuration

8212 0100  
8212 0200  
8212 0301  
8212 0302

$L_1 = 750 \text{ mm}$   $L_2 = 750 \text{ mm}$   
 $L_1 = 975 \text{ mm}$   $L_2 = 975 \text{ mm}$   
 $L_1 = 750 \text{ mm}$   $L_2 = 1125 \text{ mm}$   
 $L_1 = 1125 \text{ mm}$   $L_2 = 750 \text{ mm}$



### 8260 0039

Synth. mat.

Tray for clipping onto grabs and handrail configurations

Bespoke handrails  
on request (cf. p. 70)

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



# Showers and baths



## 8201

■ Stainless steel

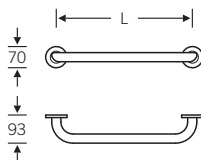
Grab handle

8201 3000 | L = 300 mm

8201 4500 | L = 450 mm

8201 6000 | L = 600 mm

8201 9000 | L = 900 mm



## 8202

■ Stainless steel

Angled rail

8202 5120

L<sub>1</sub> = 300 mm

L<sub>2</sub> = 512 mm

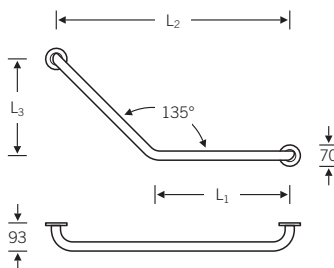
L<sub>3</sub> = 210 mm

8202 7720

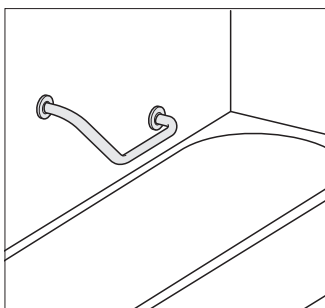
L<sub>1</sub> = 450 mm

L<sub>2</sub> = 772 mm

L<sub>3</sub> = 320 mm



Bespoke handrails  
on request (cf. p. 70)



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

## Showers and baths



### 8203

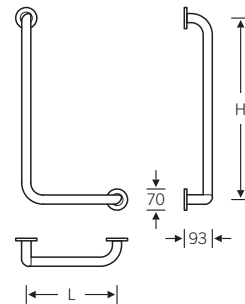
■ Stainless steel

Angled rail

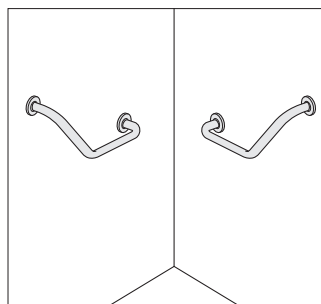
8203 3000  
8203 6001 r.h.  
8203 6002 l.h.

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

Shown here: l.h.



Bespoke handrails  
on request (cf. p. 70)



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

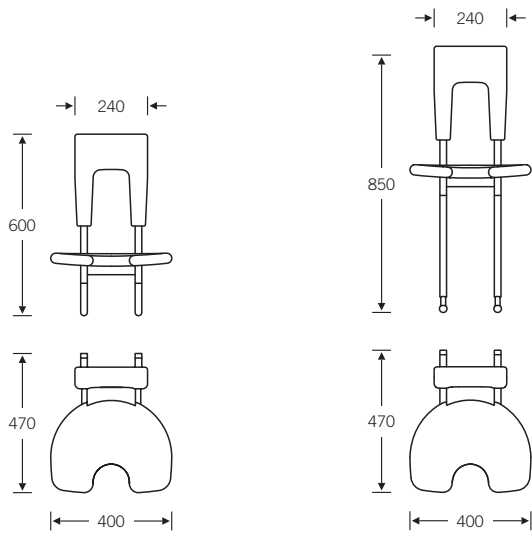


## 8250 new

■ Stainless steel (frame)  
 Seat section PUR

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

8250 0000 Wall supports  
 8250 0001 Wall supports/legs



 red dot design award  
 winner 2008

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

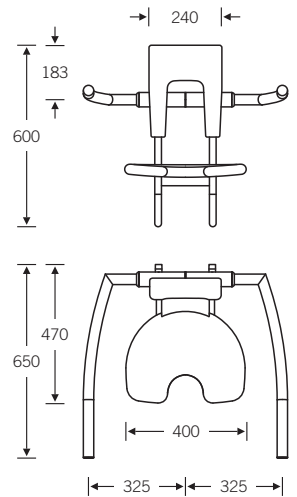
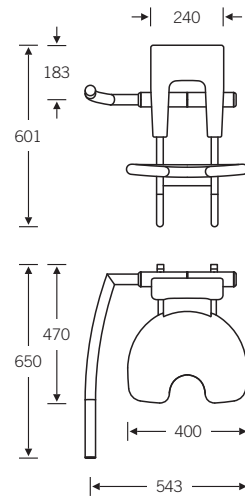
# Showers and baths

## 8250 new

■ Stainless steel (frame)  
Seat section PUR

Hanging seat as 8250 0000  
but with armrests on one or  
both sides

8250 0100 both sides  
8250 0101 r.h. only  
8250 0102 l.h. only



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



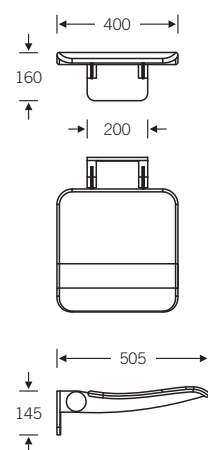
# Showers and baths



8251 new

■ Stainless steel (frame)  
Seat section PUR

Foldaway shower seat with  
soft-cornered rectangular seat



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

## Showers and baths

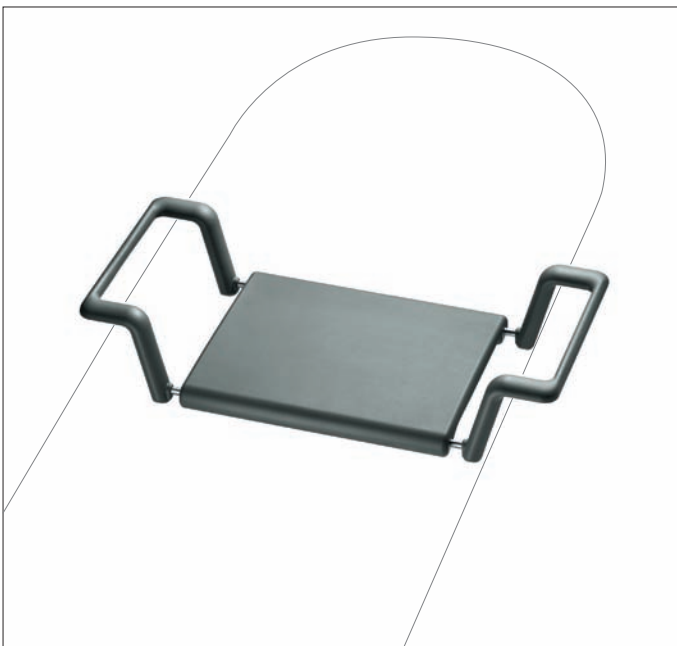
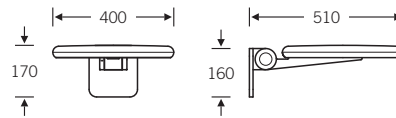


### 8244

■ Stainless steel (frame)  
Seat section PUR

Tip-up shower seat  
rotatable seat section

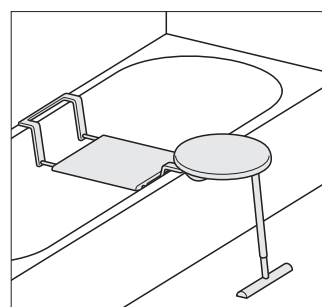
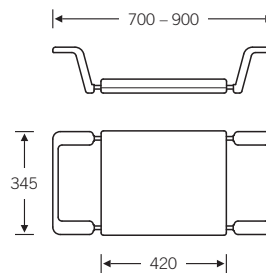
A-Flex solution for flexible fitting in, for instance, hotels or optional service areas, cf. p. 68f.



### 8240

■ Stainless steel (frame)  
Seat section PUR

Hanging bath seat



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

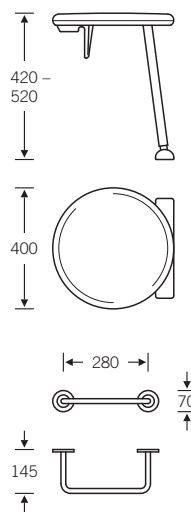
# Showers and baths



## 8241 1000

■ Stainless steel (frame)  
Seat section PUR

Shower and bath stool  
rotatable  
Seat section with retention  
stirrup



## 8241

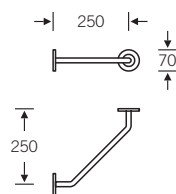
■ Stainless steel (frame)  
Seat section PUR

Shower and bath stool  
rotatable seat section

## 8242

■ Stainless steel

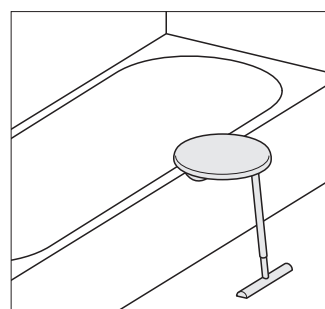
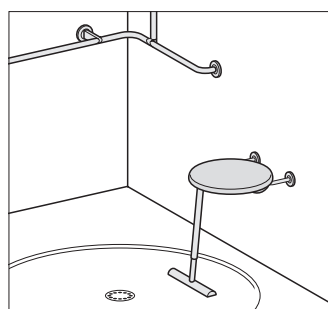
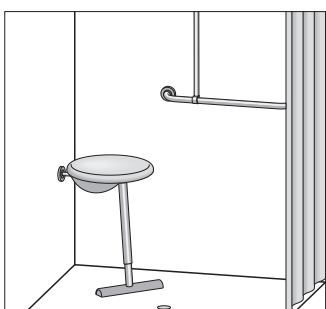
Retention stirrup for  
shower and bath stool



## 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)

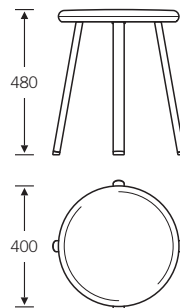
## Showers and baths

8243 new

■ Stainless steel (frame)  
Seat section PUR

Standing stool with rotatable seat

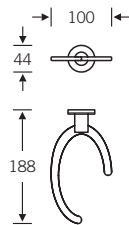
The free-standing stool has a rotatable seat and offers great comfort in bathrooms and changing areas.



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



## Showers and baths



8260 0033

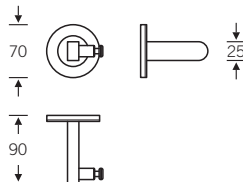
■ Stainless steel

Walking aid holder for universal positioning and use in the home



8290 0011 new

Retention belt for personal safety



8290 0016 new

Belt holder

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

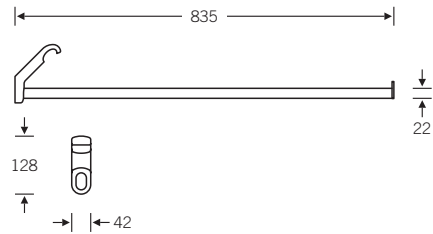
## Showers and baths



### 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 (cf. p. 56)

8236 0850 ....

L = 900 mm H = 720 mm

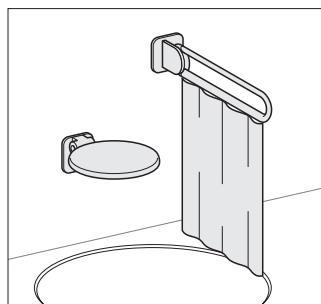
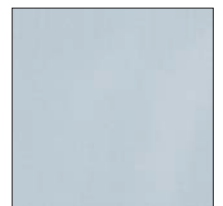
8200 magicwhite



9000 white



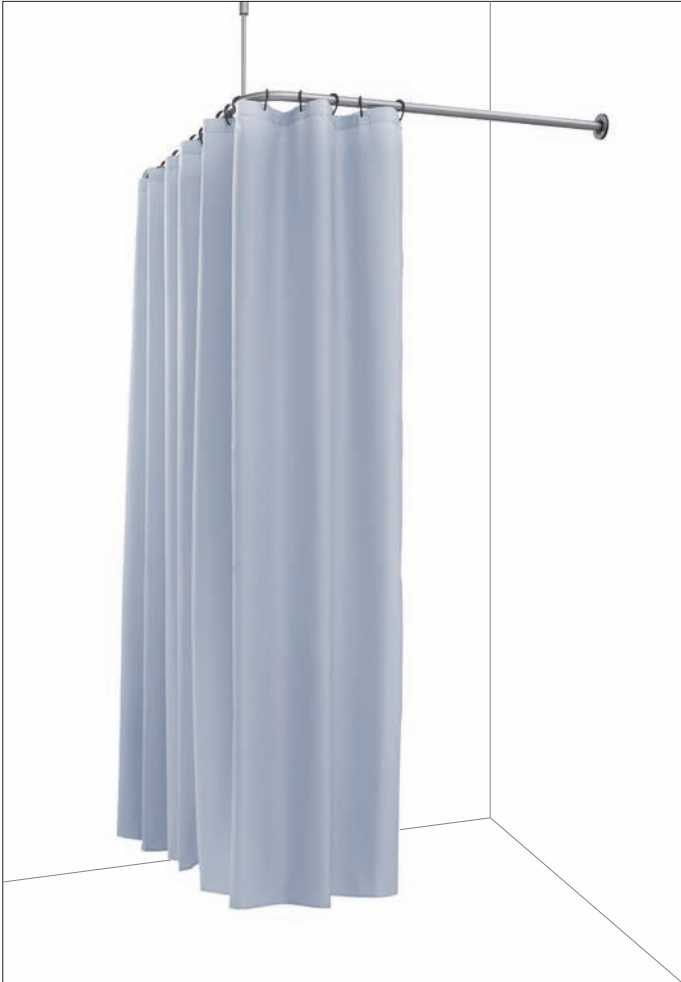
8800 manhattan



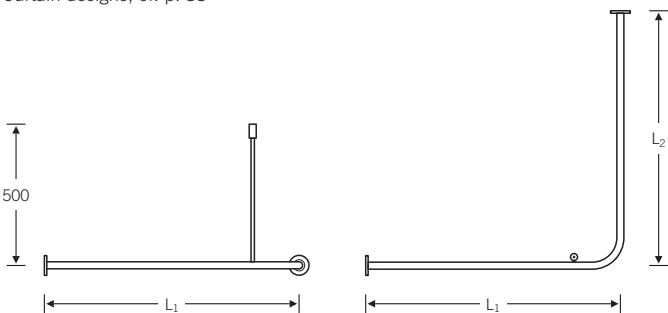
Optionally available with curtains in an inflammable material.

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

# Showers and baths



Curtain designs, cf. p. 33



8238 1000  
8238 1200  
8238 1500

## 8238

■ Stainless steel

Angled shower curtain rail with curtain rings (ceiling connector can be shortened on site)

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

## 8235

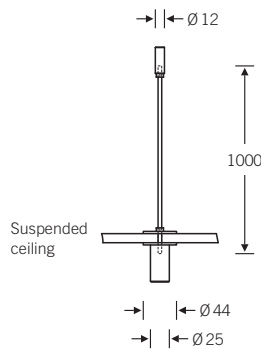
■ Stainless steel

Angled shower curtain rail with curtain rings (ceiling connector can be shortened on site)

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

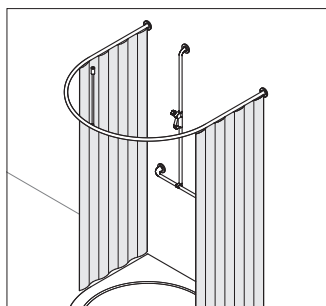
8235 1000  
8235 1200  
8235 1500

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



## 8299 0012 new

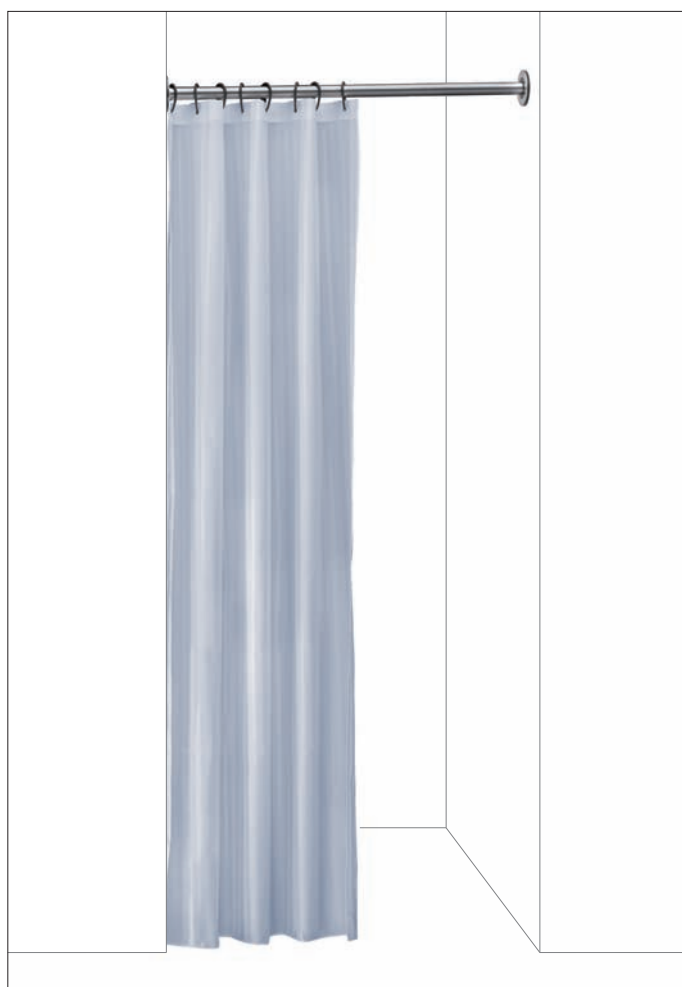
Ceiling connector for false ceilings (can be shortened on site)



Bespoke U-shaped or radial designs can also be supplied on request.

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

## Showers and baths



Curtain designs, cf. p. 33

### 8234

■ Stainless steel

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

8234 0900  
8234 1200  
8234 1500  
8234 1800

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

### 8233 new

■ Stainless steel

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

Anti-suicide variant incorporating re-usable click-lock mechanism

8233 0900  
8233 1200  
8233 1500  
8233 1800

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

### 8237

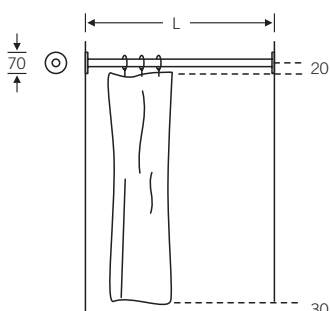
Textile

Shower curtain with attachment eyelets

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

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

Important note:  
Shower curtain rails running round a corner require two curtains



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.

Please request curtain rails in combination with glazed partitions individually.

Optionally available with customised dimensions and curtains in an inflammable material.

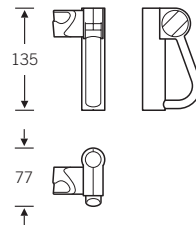
Specification details:  
[www.fsb.de/ergosystem](http://www.fsb.de/ergosystem)

# 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.



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 1198 | L = 1198 mm

### 8259 1198 new

■ Stainless steel

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

Anti-suicide variant

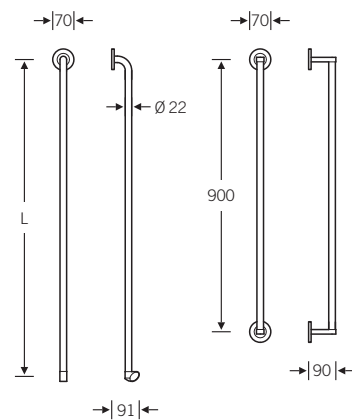
Length = 1198 mm

### 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)



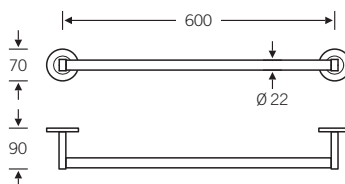
## Showers and baths



8260 0011

■ Stainless steel

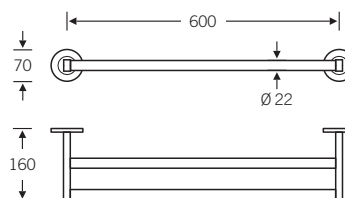
Bath towel rail



8260 0021

■ Stainless steel

Twin bath towel rail



You will find FSB's "METRIC" accessory line on p. 79ff.





Products for  
washstands and  
bathroom accessories

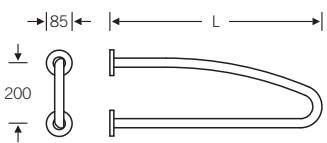
# Washstands and bathroom accessories



8220

■ Stainless steel

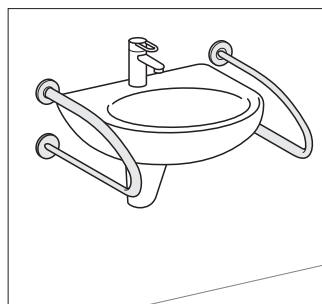
Fixed support rail



8220 6001 ☉ r.h.  
8220 6002 ☉ l.h.  
8220 7001 ☉ r.h.  
8220 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



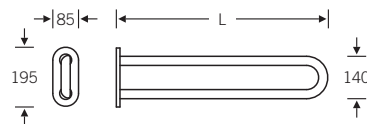
## 8221

■ Stainless steel

Fixed support rail

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

non-handed



## 8224

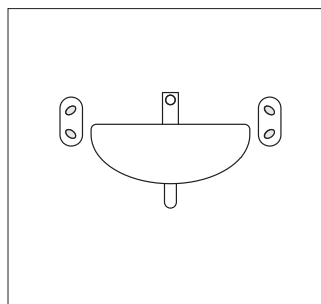
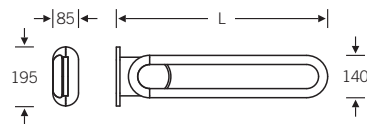
■ Stainless steel

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.



All hardware bearing either the '⊙ righthand' or '⊘ left-hand' 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.

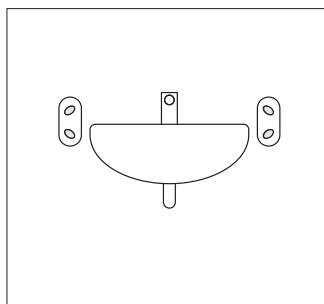
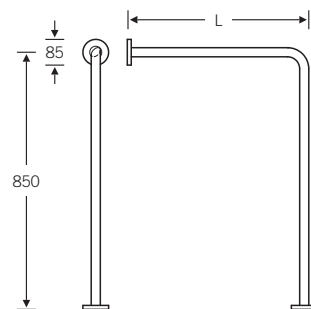
## 8225

■ 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 '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)

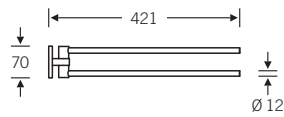
# Washstands and bathroom accessories



8260 0010

■ Stainless steel

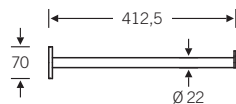
Twin towel holder with swivel capability



8260 0012

■ Stainless steel

Towel holder rigid



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

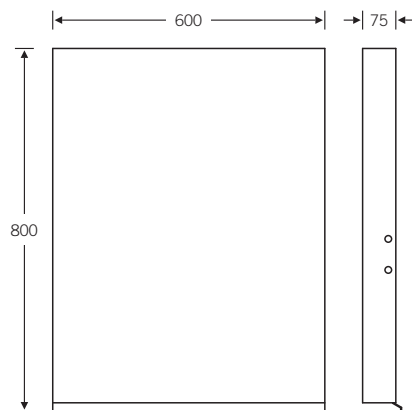
# Washstands and bathroom accessories



8260 0053

■ Stainless steel

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



reddot design award  
winner 2008

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

# Washstands and bathroom accessories



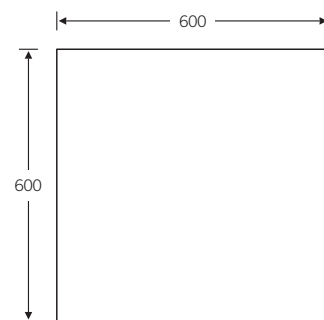
8260 new

■ Stainless steel

Mirror in stainless steel  
incl. mounting plate

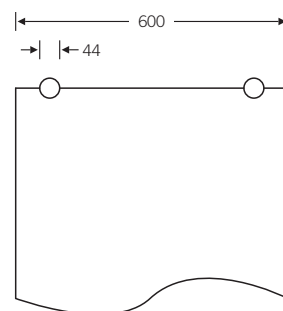
Glassless mirror panel  
as deterrent to vandalism

- 8260 0054 | 450 x 450 mm
- 8260 0055 | 600 x 600 mm
- 8260 0056 | 600 x 450 mm



8260 0051

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



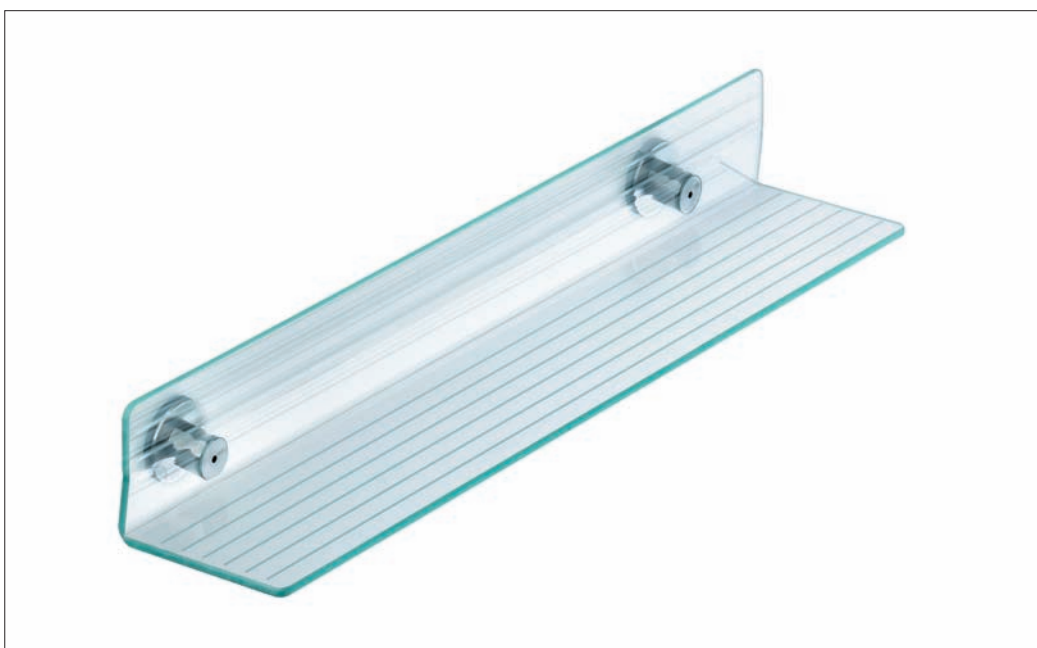
Specification details:  
[www.fsb.de/ergosystem](http://www.fsb.de/ergosystem)

## Washstands and bathroom accessories



8260 0052

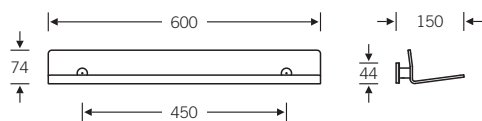
Mirror holders (4)



8260 0015

Synth. mat.

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



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

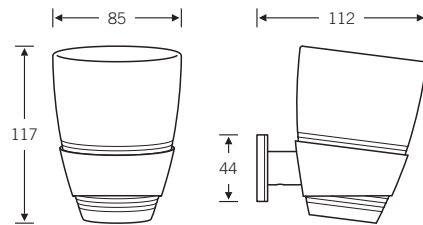
# Washstands and bathroom accessories



8260 0041

■ Stainless steel  
Synth. mat.

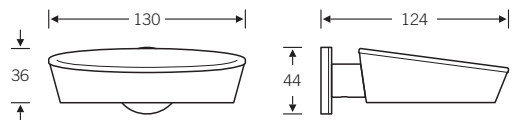
Toothmug holder with Synth. mat. tooth mug



8260 0040

■ Stainless steel  
Synth. mat.

Soap holder with Synth. mat. soap dish



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



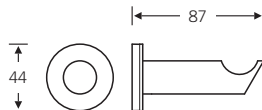
# Washstands and bathroom accessories



8260 0001

■ Stainless steel

Wall hook



8260 0002

■ Stainless steel

Coat hook



8260 0005

■ Stainless steel

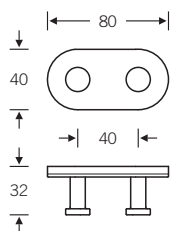
Wall hook

8260 1005

■ Stainless steel

Wall hook

anti-suicide variant with re-usable tilt fastening



8260 0007

■ Stainless steel

Double wall hook

8260 1007

■ Stainless steel

Double wall hook

anti-suicide variant with re-usable tilt fastening

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

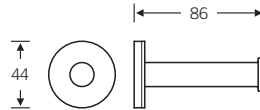
# Washstands and bathroom accessories



8260 0006

■ Stainless steel

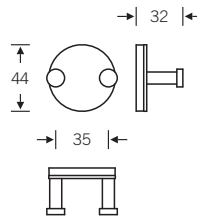
Coat hook



8260 0004 new

■ Stainless steel

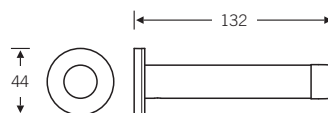
Double towel hook



8260 0003

■ Edelstahl

Wall buffer



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

## Washstands and bathroom accessories



8260 0005 new

■ Stainless steel

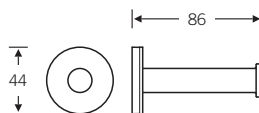
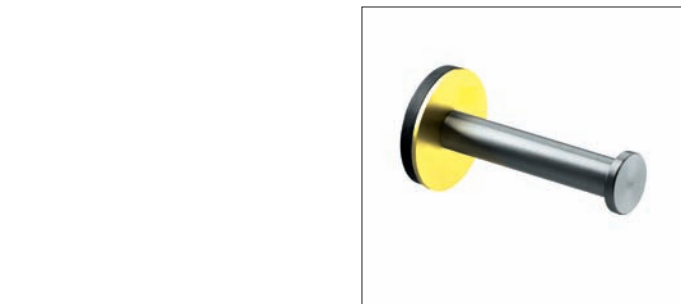
Wall hook, colour-coated

RAL 1018 (yellow)

RAL 3002 (red)

RAL 5002 (blue)

Any RAL colour can be applied. Please indicate the RAL colour required when ordering and specifying.



8260 0006 new

■ Stainless steel

Coat hook, colour-coated

RAL 1018 (yellow)

RAL 3002 (red)

RAL 5002 (blue)

Any RAL colour can be applied. Please indicate the RAL colour required when ordering and specifying.

You will find FSB's "METRIC" accessory line on p. 79ff.





## Products for WCs



# WC



## 8224

■ Stainless steel

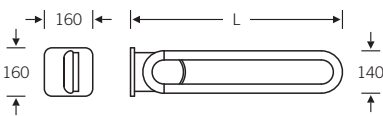
Drop-down support rail with spring loading, ease of action adjustable as required

Shown here: l.h.

Wall bracket as adaptor solution for the retrofitting of safety and drop-down support rails

8227 0000 160 x 160 mm  
8227 0001 oval, 85 x 195 mm

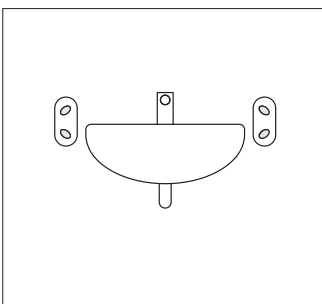
A-Flex solution for flexible fit-outs in, for instance, hotels or optional service areas, cf. p. 68f.



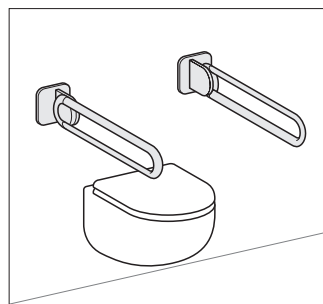
8224 6001 ☉ r.h.  
8224 6002 ☉ l.h.  
8224 7001 ☉ r.h.  
8224 7002 ☉ l.h.  
8224 8501 ☉ r.h.  
8224 8502 ☉ l.h.

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

Custom lengths of up to 900 mm can be supplied



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



8224 85.. new

■ Stainless steel

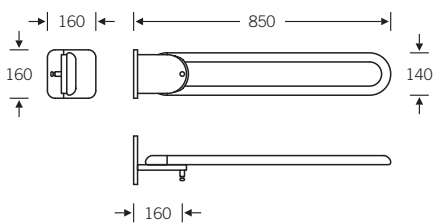
Drop-down support rail with belt holder

8224 ..31 ☉ r.h.

8224 ..32 ☉ l.h.

Shown here: r.h.

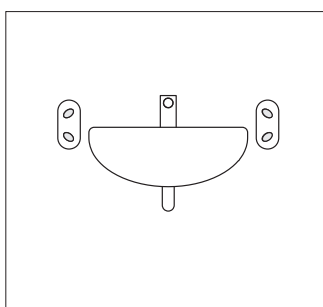
Custom lengths of up to 900 mm can be supplied



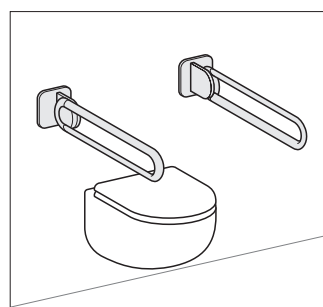
8290 0011 new

Retention belt for personal safety on the WC

Only in combination with FSB 8224 85..



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)



## 8247

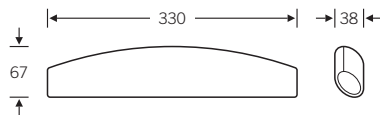
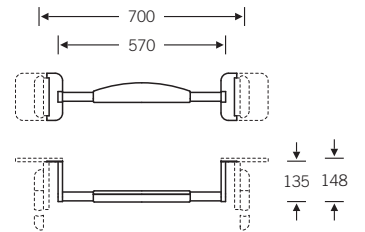
■ Stainless steel  
PUR

Backrest for retrofitting to drop-down support rails as required

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

Special variant in combination with retention belt 8290 0011 available on request.

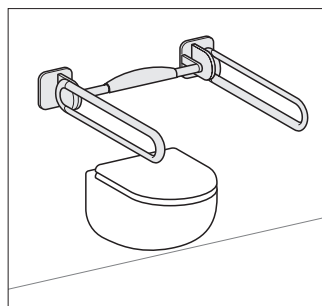
Please indicate combination with drop-down support rail 8224 85.. when ordering.



## 8246

PUR

Armrest for fitting to support rails and grab handles



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

WC



8224

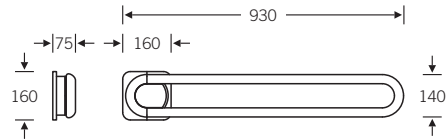
■ Stainless steel

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.



8222

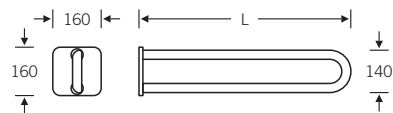
■ Stainless steel

Fixed support rail

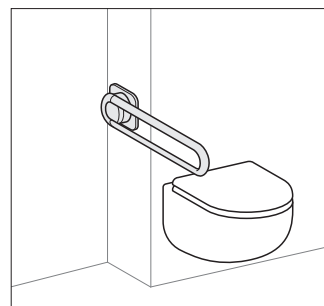
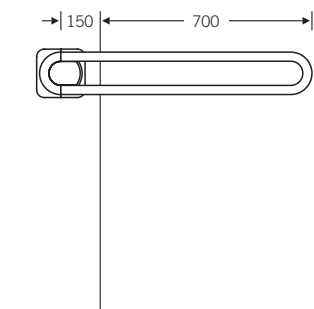
8222 7000 | L = 700 mm

8222 8500 | L = 850 mm

non-handed

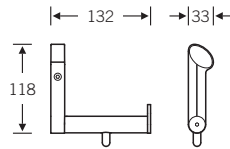


Fitting details



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

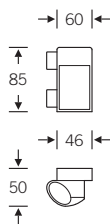
# WC



## 8245

■ Stainless steel  
Synth. mat.

Toilet roll holder for fitting to support rails and grab handles



## 8248 0002

■ Stainless steel  
Synth. mat.

Radio-controlled actuator for flushing the WC

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

WC



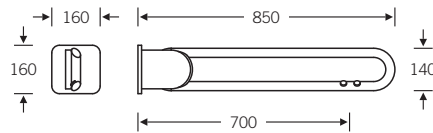
## 8224 8503

■ 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)



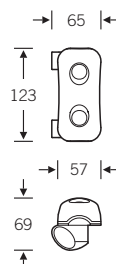
## 8248

■ Stainless steel  
 Synth. mat.

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

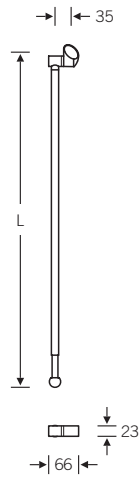
Shown here:  
 Mepa Sanicontrol 860

Brackets for further makes can be supplied on request



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

WC



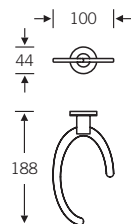
## 8228

■ 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

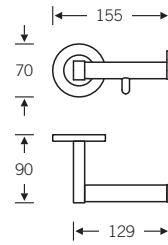
■ Stainless steel

Walking aid holder for universal positioning and use in the home

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



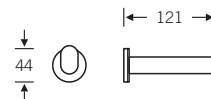
WC



8260 0030 r.h.

■ 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)

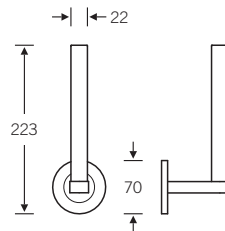
WC



8260 0032

■ Stainless steel

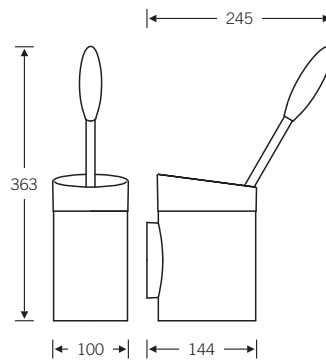
Spare toilet roll holder  
for two toilet rolls



8260 0042

■ Stainless steel  
Synth. mat.

Toilet brush set



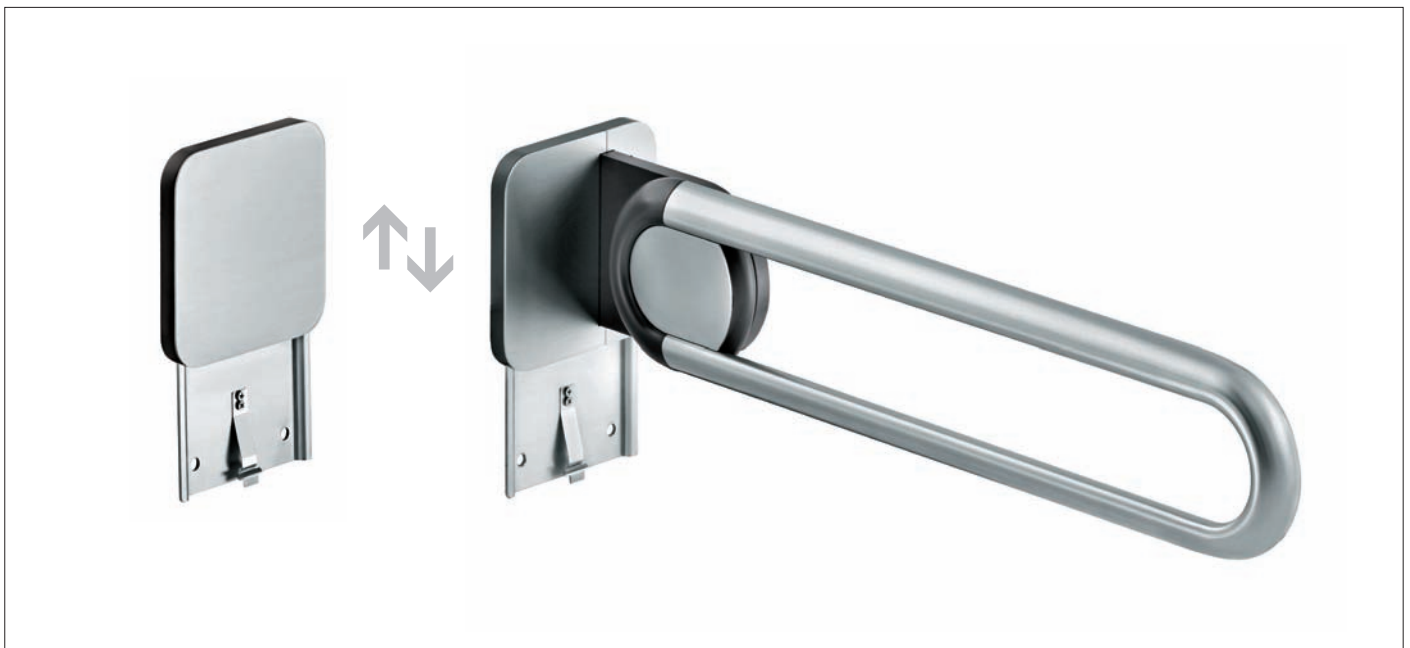
You will find FSB's "METRIC"  
accessory line on p. 79ff.





Supplementary fitments

# A-Flex

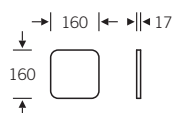


## Flexible and modular

With A-Flex, FSB offers a well-conceived means of flexibly and demand-responsively fitting spaces out with barrier-free components from the Ergo-System.

A-Flex can be particularly recommended for hoteliers or operators of hospitals with optional service areas, offering them scope for catering to the individual or acutely changing needs of guests and patients. Cases in point are guests in a hotel who do not require barrier-free aids in the bathroom or for whom such aids suddenly become necessary following an acute injury – at a winter sports resort, for instance.

An additional benefit derives from significantly lower costs for the initial fit-out, as the spaces concerned are merely fitted with an A-Flex bearer plate and use can be made of drop-down support rails and foldaway shower seats just as in the standard scenario.



8227 0002 new

■ Stainless steel

A-Flex bearer plate  
incl. cover plate

for combination with drop-down support rail 8224 60../8224 70../8224 85.. and foldaway shower seat 8244 0001 (cf. p. 69)

# A-Flex



- 8224 6041 ☉ r.h.
- 8224 6042 ☉ l.h.
- 8224 7041 ☉ r.h.
- 8224 7042 ☉ l.h.
- 8224 8541 ☉ r.h.
- 8224 8542 ☉ l.h.

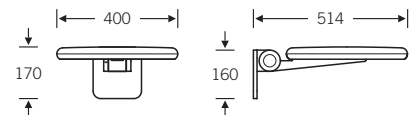
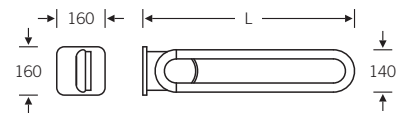
## 8224 new

■ Stainless steel

A-Flex drop-down support rails with spring loading, ease of action adjustable as required

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

Custom lengths of up to 900 mm can be supplied



## 8244 0001 new

■ Stainless steel (frame)  
Seat section PUR

A-Flex foldaway shower seat with rotatable seat

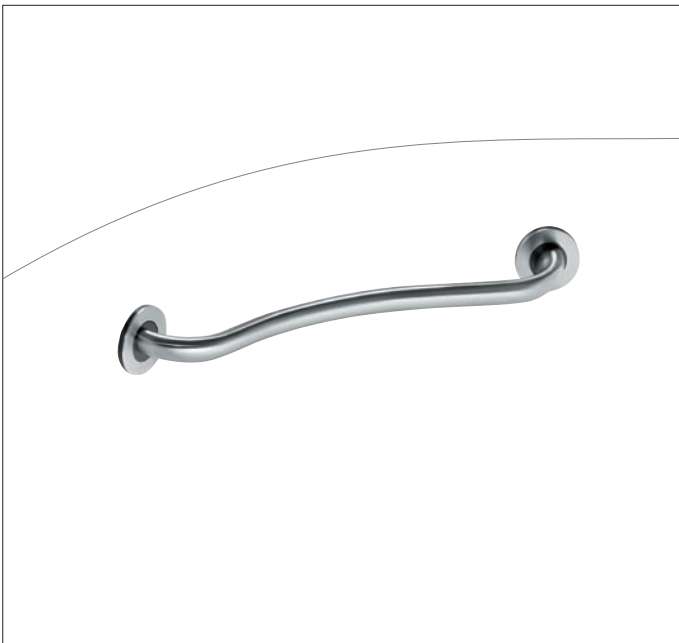
Specification details:  
[www.fsb.de/ergosystem](http://www.fsb.de/ergosystem)



## Bespoke handrails



Specially dimensioned version  
with standard coating



### ErgoSystem handrails made to measure

In years past, FSB has occasionally manufactured made-to-measure hand support systems for main entrance door areas in response to market demand. Comparable solutions are feasible for handrail designs, including those of a more complex variety, in hospitals and nursing homes. Thus the ErgoSystem's unique diagonal-oval cross-section can also be harnessed for handrails. Special orders of this kind are not industrial series products, however; rather, they are customised productions whose assembly and use lies in the client's sphere of responsibility.

Assuming the job is of suitable volume, FSB is willing to provide you with specialists to draw up the relevant list of measurements.

Please fax us your dimensioned requirements. FSB will then scrutinise these, produce a duplicate drawing and submit a quote.

## Custom colours



Special made-to-measure design with bespoke coating

### Standard and bespoke coatings

FSB sees itself as being a makers of door and window hardware in choice metals in the first instance – which holds equally for its ErgoSystem. FSB can optionally coat all ErgoSystem components made of aluminium, which are dark-grey as standard, with almost any other colour in the RAL scale if so desired. ErgoSystem “Project” variants can then be caused to match or, indeed, contrast with existing colour schemes. Please always indicate the RAL number concerned with your enquiry.

### Coating procedures

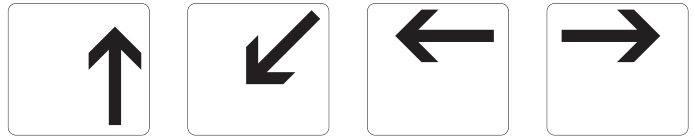
FSB adopts a solvent-free electrostatic powder-coating technique. The resultant surface quality – colour fastness, surface hardness, resistance to wear etc. – is roughly that of anodised aluminium coatings. On grounds of product liability, however, we will not colour-coat ErgoSystem handle components made of stainless steel. This would be counter-productive in terms of both the ErgoSystem’s visual aspirations and the indestructibility of the steel.

Colour coatings will withstand regular use assuming items are correctly fitted and operated. The surface may scratch if struck by hard, angular objects such as rings, tools, nursing or walking lifts etc.). Scratch marks have no affect on the function of the furniture, though.

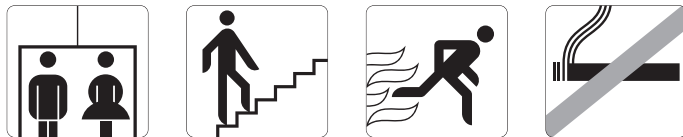
# Information signs

## Pictograms

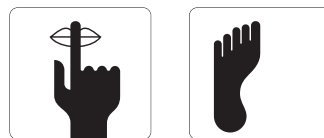
- 0002 Arrow pointing upwards
- 0005 Arrow pointing diagonally down to the left
- 0003 Arrow pointing left
- 0004 Arrow pointing right



- 0012 Lift
- 0014 Stairs up
- 0017 Escape route
- 0030 No smoking



- 0041 Quiet please
- 0042 No shoes



- 0100 Ladies' toilet
- 0101 Gents' toilet
- 0103 For the disabled
- 0106 Shower
- 0111 Soap (opto)



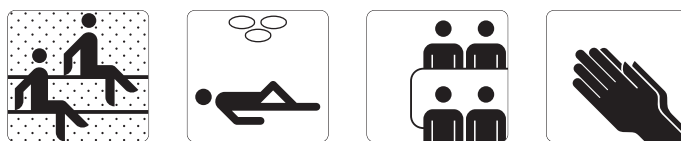
- 0120 Rest room
- 0121 Waiting room
- 0122 Visitors' terrace



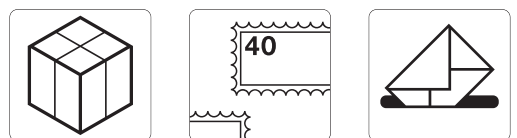
- 0131 Men's changing room
- 0142 Drying room
- 0143 Storeroom
- 0144 Utility room
- 0150 Kitchen



- 0151 Sauna
- 0152 Solarium
- 0153 Conference room
- 0154 Prayer room



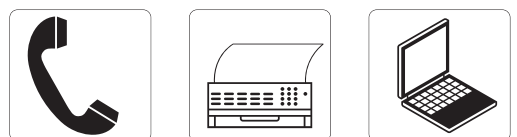
- 0211 Parcels
- 0212 Stamps
- 0213 Letterbox



- 0300 Hotel
- 0301 Reception
- 0310 Restaurant
- 0313 Bar



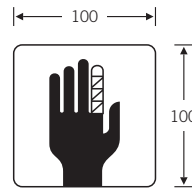
- 0200 Telephone
- 0201 Fax
- 0220 Laptop





Shown on this double-page spread is but a small selection from our comprehensive system. The complete range can be viewed at [www.fsb.de/pictograms](http://www.fsb.de/pictograms). The system embraces the following areas of application:

- information signs
- function rooms
- communication
- service
- security
- health
- culture and leisure time
- shops
- transport
- sport



## 4059 ....

- Aluminium
- Stainless steel

The quality of any system of pictograms is primarily defined by its simplicity and exhaustiveness. Our pictograms have no truck with fads and trends, having recourse to a clear and unequivocal visual language instead. Originally devised as signage for the Munich Olympic Games and Frankfurt Airport by graphic artist Otl Aicher, they have lost none of their exemplary impact and are still utterly contemporary almost 40 years on. The ongoing addition of new pictograms reflects technical innovations as well as the convergence of international markets. The spectrum of over 400 signs covers virtually every application in the public and commercial spheres. All pictograms draw on a uniform, copyrighted formal vocabulary, thus allowing

for random permutations within the system. We will be glad to develop pictograms to your individual requirements.

FSB engraves, lasers or tampon-prints pictograms onto aluminium or stainless steel signplates.



- 0330 Information
- 0332 Bank
- 0334 Ticket office
- 0403 Fire extinguisher

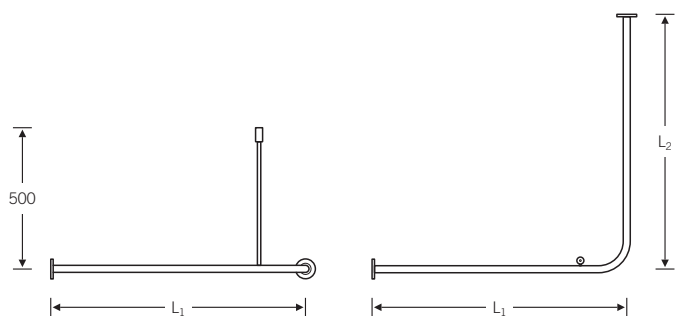
- 0511 Registration
- 0520 Internal medicine
- 0528 Massage

- 0605 Lecture hall
- 0633 Reading room
- 0634 Lounge
- 0911 Swimming pool

## Anti-suicide variants



8235 1000  
8235 1200  
8235 1500



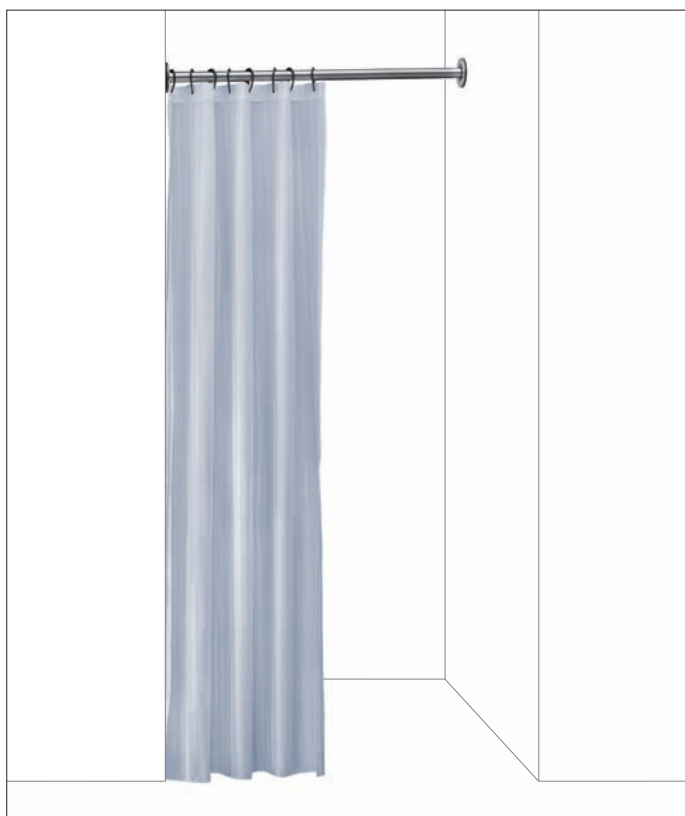
### 8235

■ Stainless steel

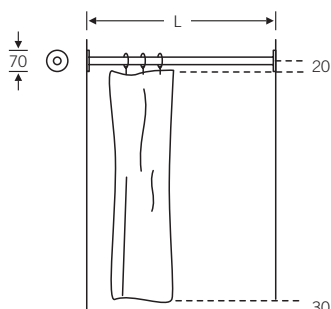
Angled shower curtain rail with curtain rings and variable-length ceiling connector, cf. p. 34

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

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



8233 0900  
8233 1200  
8233 1500  
8233 1800



### 8233 new

■ Stainless steel

Shower curtain rail with curtain rings for alcoves (can be shortened on site), cf. p. 35

Anti-suicide variant incorporating re-usable click-lock mechanism

$L = 900 \text{ mm}$   
 $L = 1200 \text{ mm}$   
 $L = 1500 \text{ mm}$   
 $L = 1800 \text{ mm}$

Curtain designs, cf. p. 33

# Anti-suicide variants

8259 1198 new

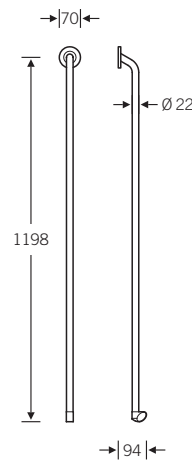
■ Stainless steel

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

Anti-suicide variant incorporating re-usable click-lock mechanism



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.



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



## Anti-suicide variants



### 8260 new

■ Stainless steel

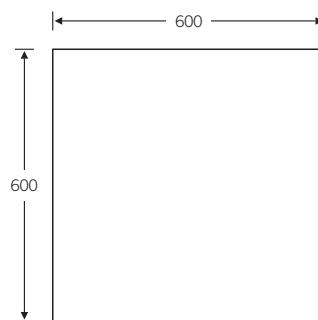
Mirror in stainless steel  
incl. mounting plate

Glassless mirror panel as  
deterrent to vandalism

8260 0054 | 450 x 450 mm

8260 0055 | 600 x 600 mm

8260 0056 | 600 x 450 mm



### 8260 1005

■ Stainless steel

Wall hook

Anti-suicide variant incorpo-  
rating re-usable clip fastening

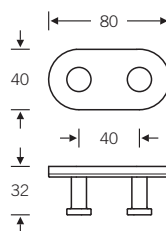


### 8260 1007

■ Stainless steel

Double wall hook

Anti-suicide variant incorpo-  
rating re-usable clip fastening



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



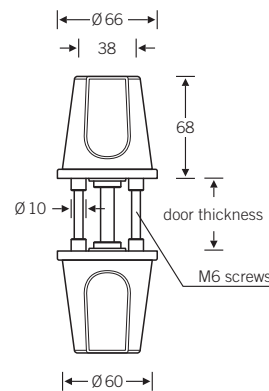
## Furniture and fittings for surveillance spaces



### 0866

- Aluminium
- Stainless steel

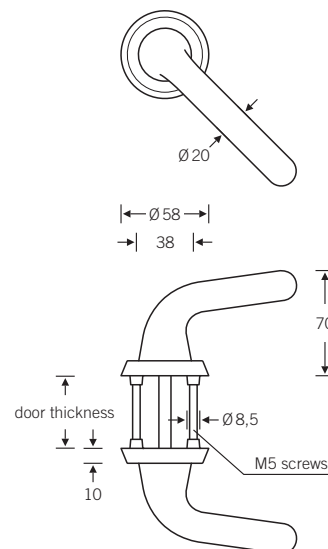
Doorknob in the form of a stub-ended cone with finger recesses in a particularly rugged design with a special rose enclosing the knob's shank. It is impossible to attach cords or ropes to the knob. Its ergonomic form guarantees good handling and lessens the likelihood of suicidal acts.



### 7099 0099

- Aluminium

Door lever furniture with conical necks and handles angled 45° downwards on both sides. The sloping sides of the bushing roses make it impossible to attach cords or ropes and lessen the likelihood of suicidal acts. This particularly rugged design makes for secure operation.



Face fixing concealed by conical roses  
Lug Ø 8.5 mm

Further special hardware and fitment solutions for prisons, forensic units and psychiatric establishments are to be found along with details of the products shown here in a special brochure that can be downloaded from [www.fsb.de/brochures](http://www.fsb.de/brochures)



METRIC  
bathroom accessories

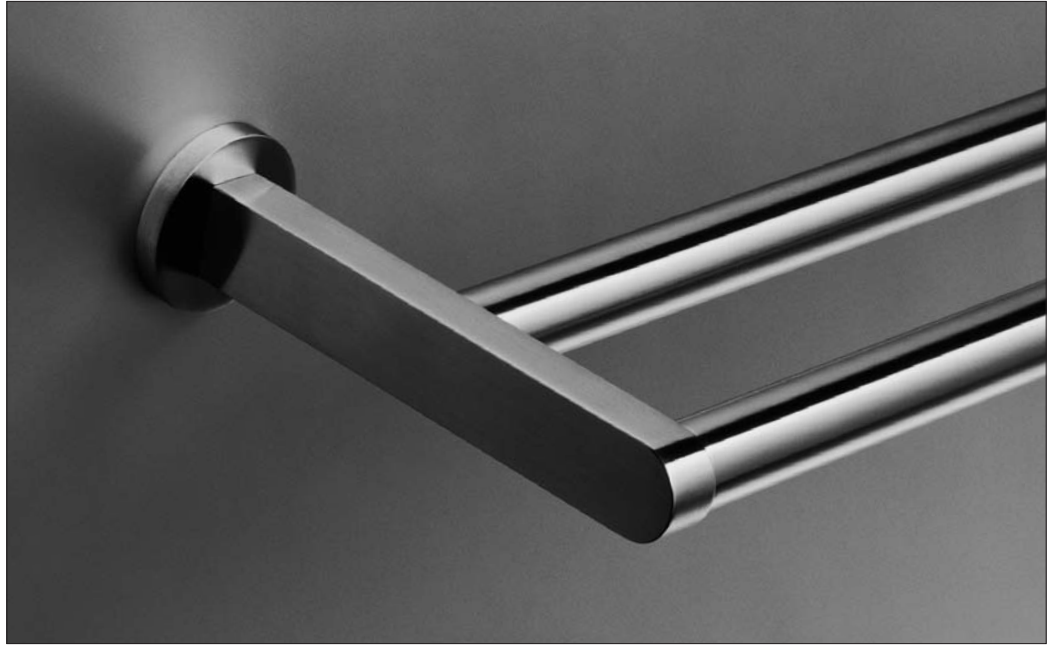
## METRIC in detail

The bathroom is increasingly becoming a place for tranquility 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 the FSB stainless steel finishes satin matt (6204), mirror polish (6205) and sand-blasted (6206) (cf. p. 6f.). Besides looking good, stainless steel boasts an authenticity that harmonises marvellously with natural materials such as wood or granite and is excellently suited to well-appointed bathroom schemes.

Steel rightly lays claim to being exceedingly hard wearing, corrosion resistant, easy to look after and durable. The quality with which FSB works stainless steel draws on decades of experience it has gained as a manufacturer of well-designed, finely wrought hardware for doors and windows. Predictably, this expertise has found its way into the design and production of the bathroom accessories in METRIC.

### Fastenings

The baserose features two parallel slots for optimum dimensional coordination and is screwed to the wall with the fastenings supplied. The top rose is then pressed home with the patterning aligned as required. Final optical adjustment of working parts is performed by firmly tightening the socket screw against the tensioning bolt.

As an alternative to conventional screw fixing, FSB also offers attachment by means of a bonding technique that is highly adhesive and facilitates residue-free removal. Find out more on p. 102.

# Product digest



Bath towel rail Page 82



Bath towel rail Page 83



Towel holder Page 83



new

Slide rail Page 89



Utensils tray Page 84



Toothmug holder Page 85



Soap dish Page 85



Toilet roll holder Page 86



Spare toilet roll holder Page 86



Spare toilet roll holder Page 87



Toilet brush set, oval Page 88



new

Toilet brush set, round Page 88



Wall hook Page 90



Coat hook Page 90



Wall buffer Page 90

# METRIC

## bathroom accessories

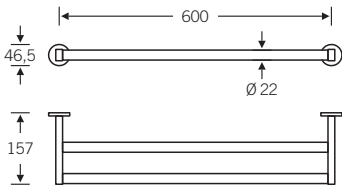


8270 0021

■ Stainless steel

Twin bath towel rail

8270 8021  
with METRIC bonding  
technique



For more information on the  
METRIC bonding technique  
please turn to p. 102.

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

# METRIC bathroom accessories

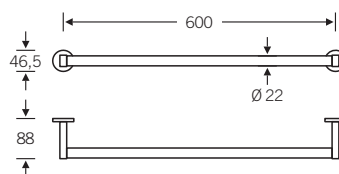


8270 0011

■ Stainless steel

Bath towel rail

8270 8011  
with METRIC bonding  
technique

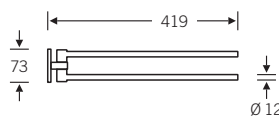


8270 0010

■ Stainless steel

Twin towel holder  
with swivel capability

8270 8010  
with METRIC bonding  
technique



For more information on the METRIC bonding technique please turn to p. 102.

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



# METRIC

## bathroom accessories

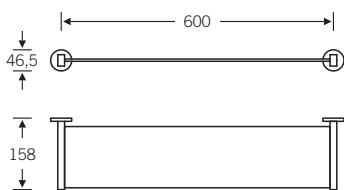
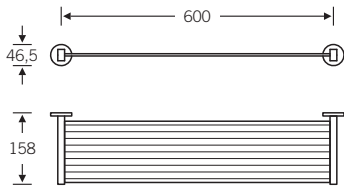


### 8270 0015

■ Stainless steel  
Glass

Utensils tray in frosted glass

8270 8015  
with METRIC bonding  
technique



### 8270 0016

■ Stainless steel  
Glass

Utensils tray in plain glass

8270 8016  
with METRIC bonding  
technique

For more information on the METRIC bonding technique please turn to p. 102.

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

# METRIC bathroom accessories

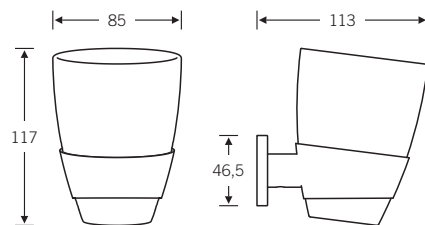


8270 0041

■ Stainless steel  
Glass

Glass holder with tooth-  
brush glass

8270 8041  
with METRIC bonding  
technique

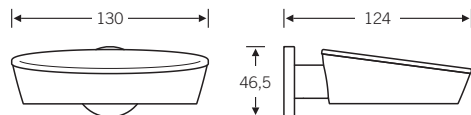


8270 0040

■ Stainless steel  
Synth. mat.

Soap holder with soap dish

8270 8040  
with METRIC bonding  
technique

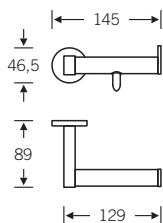


For more information on the  
METRIC bonding technique  
please turn to p. 102.

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

# METRIC

## bathroom accessories



8270 0030 r.h.

■ Stainless steel

Toilet roll holder with roll retainer

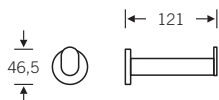
8270 8030 with METRIC bonding technique

8270 0130 l.h.

■ Stainless steel

Toilet roll holder with roll retainer

8270 8130 with METRIC bonding technique



8270 0031

■ Stainless steel

Spare toilet roll holder for one toilet roll

8270 8031 with METRIC bonding technique

For more information on the METRIC bonding technique please turn to p. 102.

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

# METRIC bathroom accessories

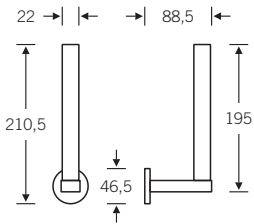


8270 0032

■ Stainless steel

Spare toilet roll holder  
for two toilet rolls

8270 8032  
with METRIC bonding  
technique



For more information on the  
METRIC bonding technique  
please turn to p. 102.

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

# METRIC bathroom accessories

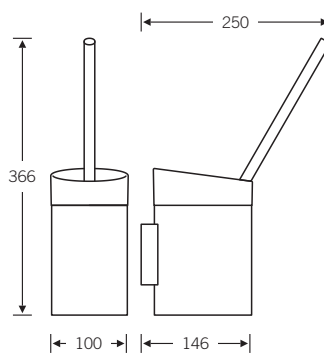


8270 0042

■ Stainless steel

Toilet brush set, oval

8270 8042  
with METRIC bonding  
technique

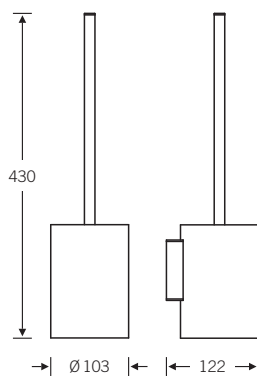


8270 0043 new

■ Stainless steel

Toilet brush set, round

8270 8043  
with METRIC bonding  
technique



For more information on the  
METRIC bonding technique  
please turn to p. 102.

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

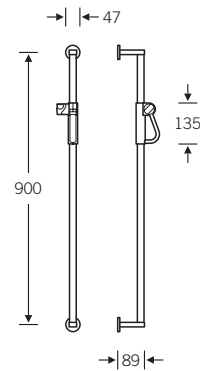
# METRIC bathroom accessories

8270 0050 new

■ Stainless steel

Slide rail with shower head holder for fitting to wall

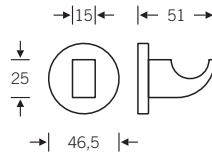
8270 8050  
with METRIC bonding  
technique



For more information on the METRIC bonding technique please turn to p. 102.

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

# METRIC bathroom accessories

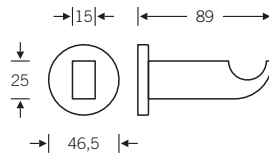


8270 0001

■ Stainless steel

Wall hook

8270 8001  
with METRIC bonding  
technique

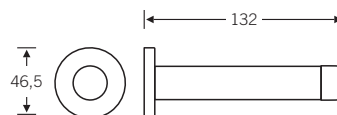


8270 0002

■ Stainless steel

Coat hook

8270 8002  
with METRIC bonding  
technique



8270 0003

■ Stainless steel

Wall buffer

8270 8003  
with METRIC bonding  
technique

For more information on the  
METRIC bonding technique  
please turn to p. 102.

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







## Door fittings for barrier-free living

Fully-fledged barrier freedom is, in our view, not just about the adequacy of the sanitary products involved. We wouldn't be FSB if we didn't give doors a look in too. For this reason, we have augmented the ErgoSystem with ergonomic door fittings and a system solution for electronic access control.

## EZK electronic access control



### The modern key to greater convenience with any door

Traditional mechanical locking systems are steadily dwindling in significance. Security requirements in the event of keys being lost or authorisation statuses altering have in the meantime led to electronically organised access control systems establishing themselves in the marketplace. We have devised an access control system that sets benchmarks in ease of operation whilst also looking a winner.

Being able to operate a lock without the conventional actions familiarly associated with a key is for us essential to fully-fledged barrier freedom. EZK makes it easy for persons of impaired mobility to safely and unrestrictedly use doors with no outside assistance. This is straightforwardly possible even if they are unable to carry out complex actions with their hands or if a right-handed person wishes to operate the door with their left hand. EZK, moreover, is also beneficial in residential schemes for persons suffering from senile dementia, as lost keys can be removed from circulation by simply deleting them from the locking plan software and thus keeping related costs in check. EZK also allows access authorisations to be awarded for limited periods or areas furthermore.



We have directly combined the process of electronic identification with a mechatronic module that we have managed to squeeze into the confines of the lever handle rose. Constituting the core of this masterpiece of precision mechanics is an electronically controlled engaging device that, given positive identification, immediately ensures operation of the lock via the handle. Holding the “key” up against the lock rose is sufficient to operate the lock.

EZK is a good solution for both internal and external doors. There's no problem retrofitting it to existing doors, since the identification unit has been integrated into the body of a proprietary europrofile cylinder. Using the Winkhaus Blue-Chip cylinder allows the lock to be operated by inserting and turning the key as with mechanical locking systems. It is accordingly possible for the purpose of securing main entrances to incorporate any FSB hardware – security fittings or roses in combination with door pulls, for instance – into the EZK system.

To reach precise agreement on commissioning an EZK hardware system (software, installation, coaching) as well as on the peripheral gear required (programming gear, identifying media), please contact our Sales Organisation offices (p. 108ff.) or our central contact person:

Mr. Matthias Mildner

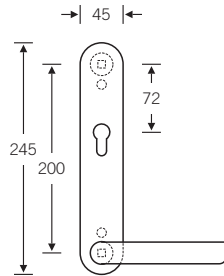
Phone +49 6106 2679889  
Fax +49 6106 2679890  
matthias.mildner@fsb.de

Further information on the Internet: [www.fsb.de/ezk](http://www.fsb.de/ezk)

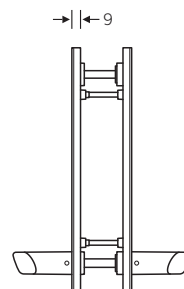
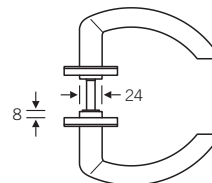
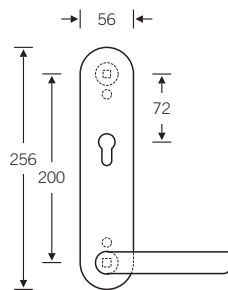
# Barrier-free hardware



Standard version 4240



Renovation version 4241



## 4240 4241

- Aluminium
- AluGrey
- Stainless steel

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

4240 Standard version  
4241 Renovation version

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.

### Order details:

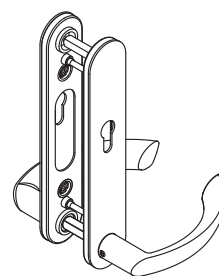
- DIN handing
- Lock follower dimensions
- Lock centres
- Lever handle model

Combinable with all FSB lever handle models.

Suitable for locks as per 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

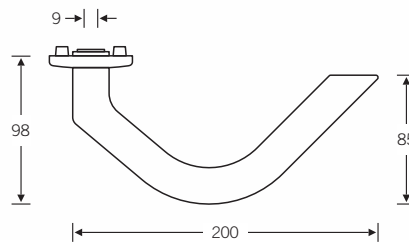
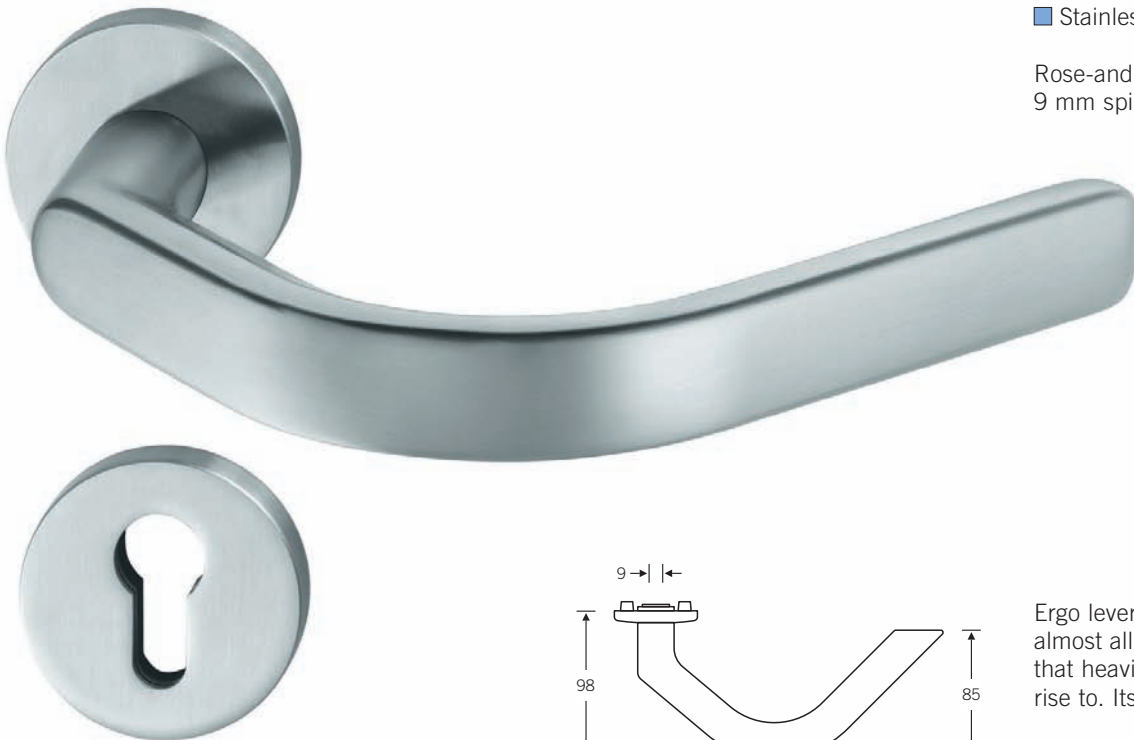


# Ergo lever handle

7655 

- Aluminium
- Stainless steel

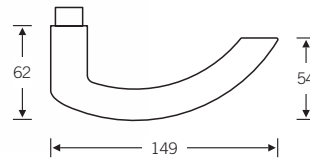
Rose-and-handle unit with 9 mm spindle







Ergo lever handle 7655 solves almost all ergonomic problems that heavily used doors give rise to. Its chief merits are:

- its triangular styling follows the user's own trajectory.
- its angular shape echoes the sequence of movements involved in its operation.
- its chunkiness and sectional characteristics equate to the hollowing of a hand being closed.
- its horizontal alignment provides the wherewithal for operation with an elbow.

# Lever handle model 1119



1119  
7619 

-  Aluminium
-  AluGrey
-  Stainless steel
-  Bronze

FSB 7619: Rose-and-handle unit with 9 mm spindle

EN179

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.

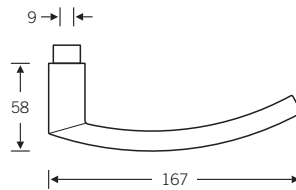
[www.fsb.de/1119](http://www.fsb.de/1119)

## Antibacterial propensities of bronze

FSB 1119 is made of a bronze containing 92% copper and, like any other hardware in this material, serves to kill germs. That makes it ideal for use in hospitals or wherever hygiene is of the essence.



# FSB XXL lever handle

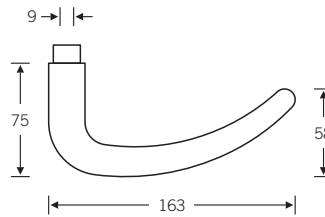


**7652**

■ Stainless steel

XXL variant of the FSB 1107 model, cf. well [www.fsb.de/1107](http://www.fsb.de/1107)

Rose-and-handle unit with 9mm spindle

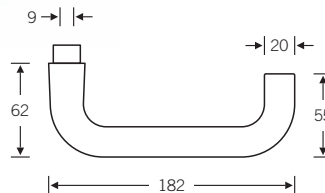


**7617**

■ Stainless steel

XXL variant of the FSB 1023/1053 model, cf. [www.fsb.de/1023](http://www.fsb.de/1023)

Rose-and-handle unit with 9mm spindle



**7690**

■ Stainless steel

XXL variant of the FSB 1070 model, cf. [www.fsb.de/1070](http://www.fsb.de/1070)

Rose-and-handle unit with 9mm spindle

EN 179

XXL lever handles by FSB are particularly popular for fitting on hospital doors or wherever there is a need to operate doors with less physical exertion, something to which they are conducive by dint of their extra length.

Architects have long been coming to us with requests for out-size handles. These are the three models the market has taken to most eagerly over the years.

For reasons of stability, XXL handles by FSB are only supplied with a 9 mm spindle in a fire-safety version.

We recommend heavy-duty locks (DIN Class 4).



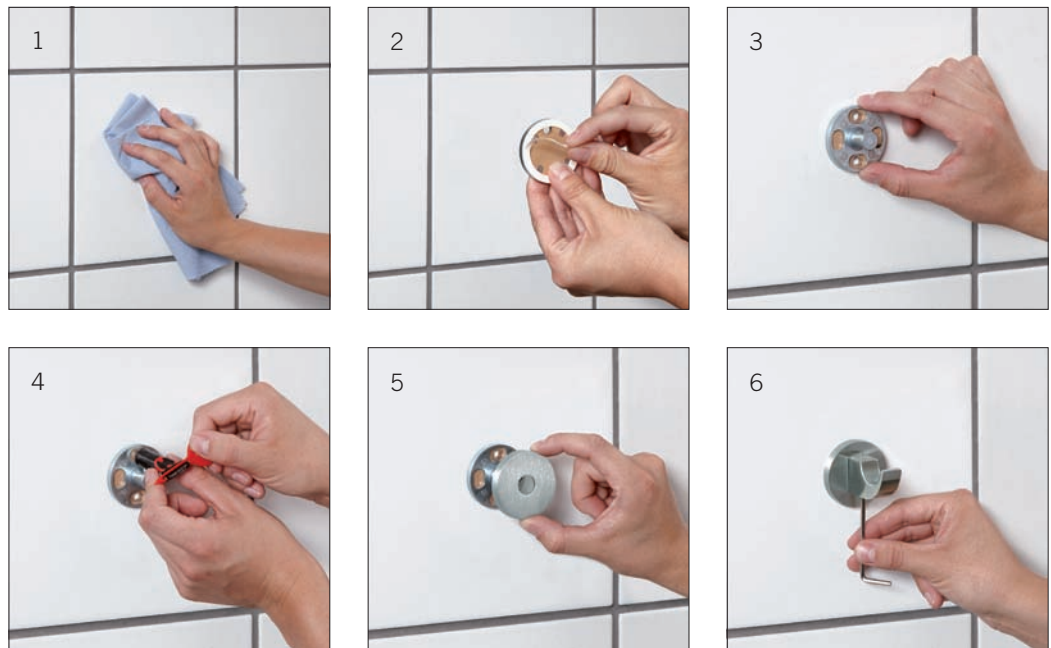




## Technical details and planning advice

The thought that has gone into operating the ErgoSystem and METRIC bathroom accessories is mirrored by the ease with which they can be properly assembled. On the pages that follow we set out what this entails and what precisely should be borne in mind. Our Sales partners will be glad to be of help with any further information you may require.

# METRIC bonding technique



## Easy, fast, safe

Are you averse to drilling holes in sanitary spaces and bathrooms? That's something we can well appreciate. The new METRIC bonding technique is just the job for anyone wishing to fit METRIC accessories well without damaging their tiles.

The METRIC bonding technique is the ideal fastening method for high-quality host surfaces such as tiles, natural stone, glass or plastic: highly adhesive, fast, clean and, above all, facilitating residue-free removal.

The combination of an extremely high-performing bonding agent with a patented adaptor allows METRIC accessories to be fitted in a jiffy – without any noise or dirt and without damage to cables or precious surfaces. Items fastened durably withstand heavy loading and can be removed without leaving any residues.

The bonding agent is a highly effective glue, of the sort used in the construction of aircraft and other vehicles, that forms a 2-part unit with the adaptor. It is filled into the adaptor once the latter has been positioned on the wall and unites it securely with the host surface. The adaptor doubles up as the mount for the METRIC accessory, which then merely has to be slotted over and fastened. Items affixed using the METRIC bonding technique can be subjected to loadings of up to 100 kg.

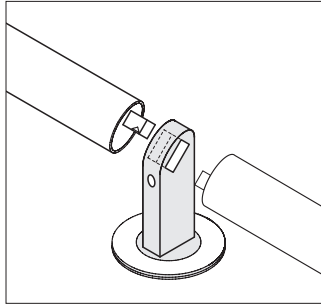
And should you change your mind, the METRIC accessory can be detached just as easily without leaving a trace – and fitted somewhere else. Then you simply need a new adaptor.

## Here's how to proceed:

1. Clean the host surface well with a clean dry cloth.
2. Remove the protective film from the adhesive ring on the back of the adaptor.
3. Press the adaptor firmly into position at the point envisaged.
4. Fill the bonding agent into the aperture provided until it can be seen emerging from the second aperture.
5. Allow the special glue to harden for at least 12 hours and then fit the cover plate.
6. Slot on the METRIC accessory and fasten it with an Allen key. Done!

If you wish to remove the METRIC accessory, simply reverse the above process until just the adaptor is left in position. Use pliers to carefully detach this from the wall and remove any adhesive residues with a glass scraper or silicon remover.

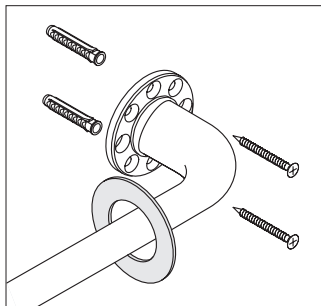
# Assembly and fastening methods



## 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.



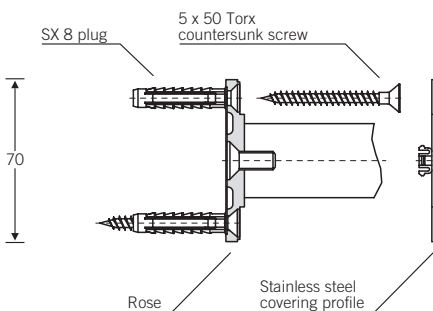
## Fixing

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.

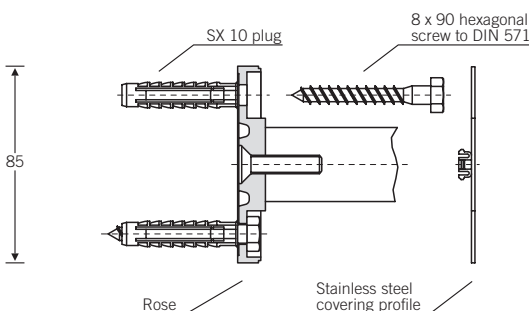
## Important note

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.



The fastenings needed to fit the handrail/handle system to solid walls, comprising 5 x 50 mm cross-recessed Torx countersunk screws in stainless steel and SX 8 plastic plugs, are supplied with the product.

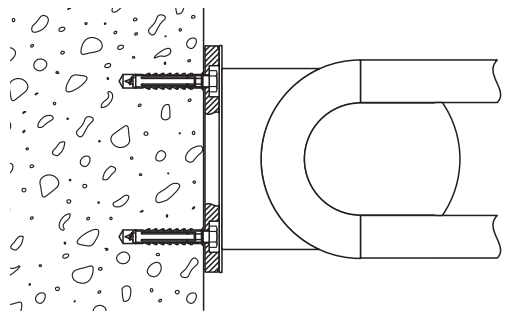
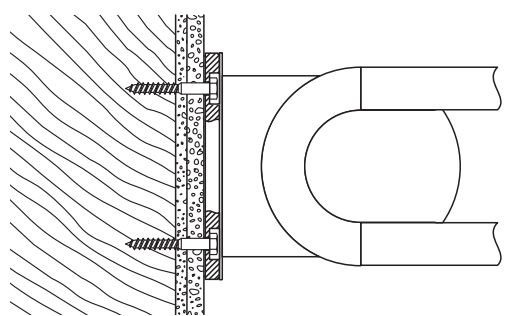
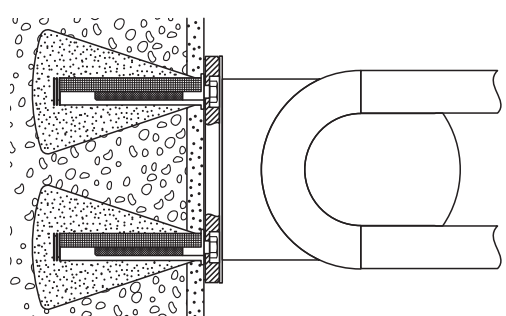
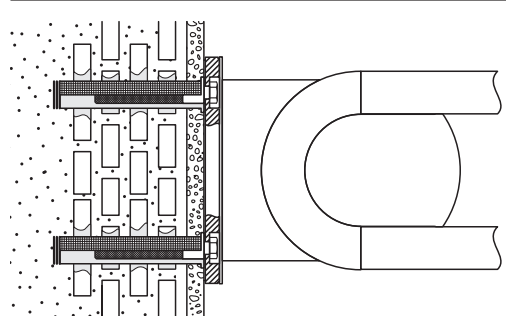
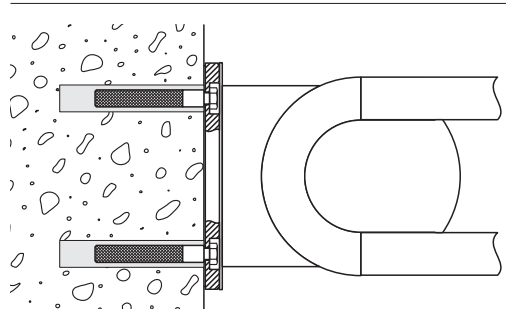
The means of fixing is concealed by clipping on the stainless steel covering profile. This type of fixing is specifically applicable for a rose of 70 mm Ø.



Accessories comprising 8 x 90 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.

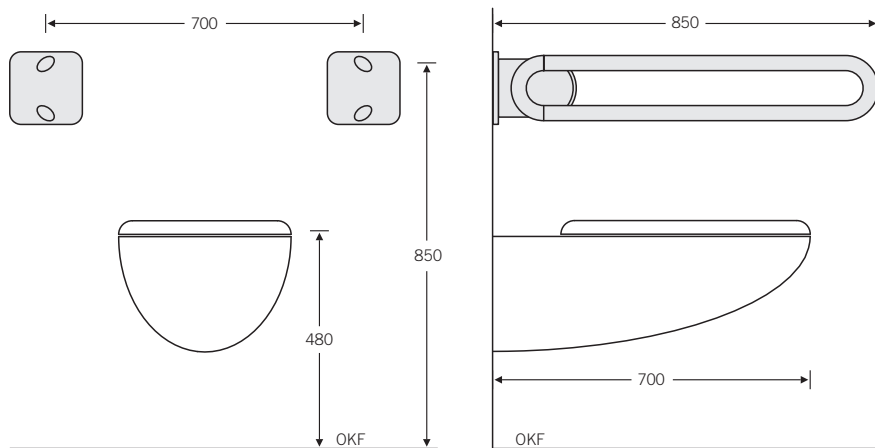
The means of fixing is concealed by clipping on the stainless steel covering profile. This type of fixing is specifically applicable for a rose of 85 mm Ø and plinth tiles.

# 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 5 x 10 LR x 08 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>	Spax countersunk screw T (Torx) 5 x 50	8 x 90 hexagonal screw 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

# Planning 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 hgt. 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:

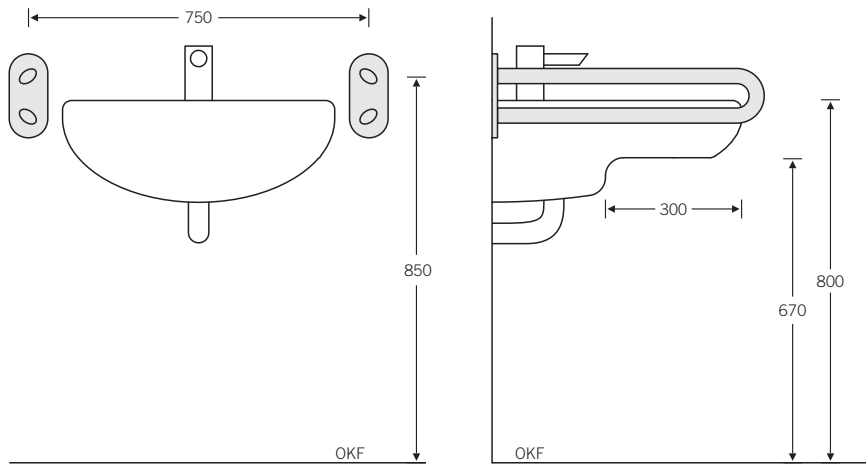
DIN 18 025 Part 1 applies to the planning, execution and fitting-out of new rented and cooperative accommodation and corresponding residential facilities suitable for wheelchair users.

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.

# Planning advice

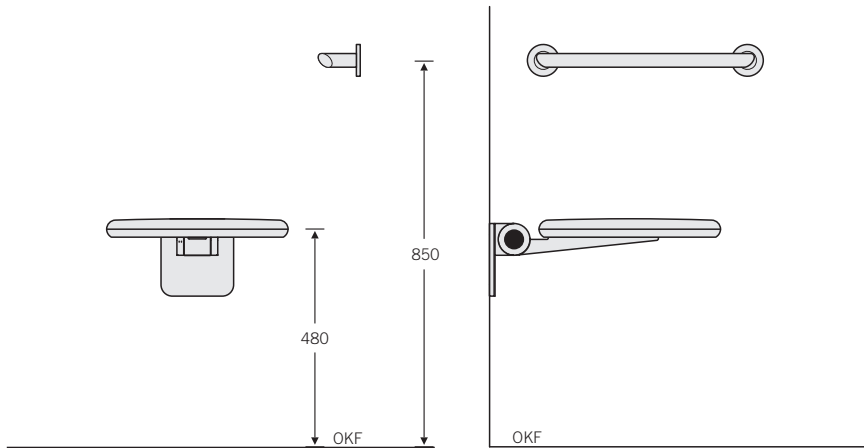
## Washstands



	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

# Planning 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:

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# Number one choice: ErgoSystem + METRIC bathroom accessories

The ErgoSystem and METRIC bathroom accessories by FSB blend perfectly with any bathroom and ambience. They ensure enhanced levels of convenience without shouting about it and have impressive credentials both functionally, due to their well-conceived ergonomics, and formally, due to their restrained looks.

Handles and accessories in stainless steel, seat surfaces made in kind-to-the-skin PUR, a most exacting level of fabrication and a virtually unrivalled systemic depth: all this makes the ErgoSystem the ideal solution for handicapped or elderly persons - as well as for those who simply cherish a little more convenience. Anyone looking for bathroom accessories that subtly merge with a space's design is onto a reliably tasteful thing with the METRIC range.

Discerning customers from a variety of sectors have been won over by the system's palpable benefits and have already opted for the number one choice.

## Germany

- Hohenfeld clinics, Bad Camberg
- Paracelsus-Krankenhaus e. V., Bad Liebenzell
- Martinstift old people's centre, Bad Lippspringe
- Main-Taunus District clinics, Bad Soden
- AWO senior citizens residence, Bexbach
- Bietigheim-Bissingen hospital
- Cath. Hospital Assoc. at Weser-Egge, Brakel, Bad Driburg, Höxter and Steinheim
- Bremen-Mitte clinic, Bremen
- Bremen-Ost clinic, Bremen
- Coesfeld-Lette old people's home
- St. Antonius Caritas old people's mission, Dortmund
- Warden-assisted accommodation at St. Mary's Hospital, Emsdetten
- Freiburg university clinic
- Theresianum old people's and nursing home, Fürstenfeldbruck
- Georgenthal old people's nursing home
- Westph. Clinic for Psychiatry, Gütersloh
- St. Vincentius clinics, Karlsruhe
- Hospital at Kirchheim/Teck
- Leer district hospital
- St. Bonifatius nursing home, Lingen
- Lörrach clinic
- Ludwigsburg clinic
- LVCH clinic, Malente
- Westph. residential association, Marls-Sinsen
- Johannes Wesling clinic, Minden
- St. Mary's Hospital, Mülheim a. d. Ruhr
- Münster University Psychiatry Clinic
- Integrative senior citizens' and meeting centre, Pfaffenhausen
- Panorama specialist clinic, Scheidegg/Allgäu
- Charlottenhaus woman's clinic, Stuttgart
- St. Mary's Hospital, Stuttgart
- Filderhof nursing home, Stuttgart-Vaihingen
- Old people's residential unit, Thansau
- Wangen hospital
- AWO senior citizens residence, Weiskirchen

## Austria

- Dornbirn hospital
- Längenfeld old people's residential home
- Lustenau old people's home

## Switzerland

- Amriswil old people's and nursing home
- Basle University Hospital
- Schabgut Domicile for senior citizens, Berne
- Flawil old people's and nursing home
- Alterszentrum Im Hof old people's home, Greifensee
- Tertianum Horgen
- St. Anna clinic, Lucerne
- Sonnenberg old people's home, Reinach AG
- Roche Customer-Service Center, Rotkreuz
- Spital Schwyz hospital
- St. Gallen Psychiatric Centre
- Linthgebiet nursing centre, Uznach
- Seelandheim, Worben
- Grand Hotel Dolder, Zürich
- Tertianum Zürich-Enge

## Belgium

- Hotel B&B Maison Bousson, Bruges
- AZ St-Jan hospital, Bruges
- RVT De 7 torentjes OCMW, Bruges
- WZC Van Zuylen, Bruges
- St-Anne/St-Rémy hospital, Brussels
- RVT Immaculata OCMW, Edegem
- St-Fransiscus hospital, Heusden-Zolder
- Old people's and nursing home, RVT Wissekerke, Kruibekke/Bazel
- St-Vincentiusziekenhuis Campus St-Jozef hospital, Mortsel/Antwerp

### Certification

All products covered in this brochure undergo stringent quality controls at our own works. As a means of making doubly sure that the relevant quality and safety requirements are met, they have likewise been presented for expert scrutiny to the Rhineland Technical Inspection Agency (TÜV) and the German Association for Geriatric Engineering at Iserlohn.

All products have been quality kitemarked as shown below.



We will be only too glad to present the applicable certification material for your inspection







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