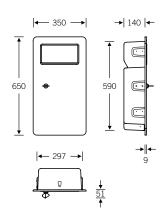


82 8290

82 8290 00048 (RH, lock LH) 82 8290 00049 (LH, lock RH)

Lockable wall-recessed litter bin, RH or LH, 12-litre capacity

shown here: RH



fsb.de/828290

677 ErgoSystem® E300 WC area

		L
© 82 8224 06001	RH	600
Ø 82 8224 06002	LH	600
© 82 8224 07001	RH	700
Ø 82 8224 07002	LH	700
© 82 8224 08501	RH	850
Ø 82 8224 08502	LH	850
© 82 8224 09001	RH	900
Ø 82 8224 09002	LH	900
	 82 8224 06002 82 8224 07001 82 8224 07002 82 8224 08501 82 8224 08502 82 8224 09001 	 Ø 82 8224 06002 LH № 82 8224 07001 RH Ø 82 8224 07002 LH № 82 8224 08501 RH Ø 82 8224 08502 LH № 82 8224 09001 RH

Drop-down support rail spring-loaded, ease of action adjustable

Compatible with TECE Gerontomodul or TECEprofil 9.042.016

Custom lengths up to max. 900 mm can

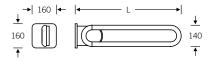
Max. loading 100 kg on the front edge





A-Flex model for flexible installation in, for instance, hotels or private wards, cf. page 686f.

Optional accessory: adaptor-type wall socket for the retrofitting of support rails and dropdown support rails 82 8227 00000 (160 \times 160 mm)





fsb.de/828224

Fastenings supplied

All fittings marked with the symbols @ 'righthand' and $\ensuremath{\mathcal{O}}$ 'lefthand' need to be ordered and installed as righthand or lefthand variants respectively. Hands are determined looking towards the washstand/WC: the RH variant is to be fitted to the tight of the washstand/WC and vice versa.

\sim	0004
Q_{\cdot}	0.1.171
()	8224

© 82 8224 08531 Ø 82 8224 08532	RH LH	850 850
© 82 8224 09031	RH	900
Ø 82 8224 09032	LH	900



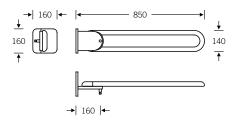
Drop-down support rail engineered to receive the retention eyelets on safety belt 82 8290 00016 00011

Compatible with TECE Gerontomodul or TECEprofil 9.042.016

Custom lengths of between 600 mm and max. 900 mm available

Max. loading 100 kg on the front edge

shown here: RH



82 8290

82 8290 00011

Safety belt with which to secure a person on the toilet, only in combination with drop-down support rails 82 8224 08531/08532, 82 8224 09031/09032 or holder for safety belt 82 8290 00016

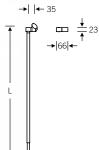


82 8228

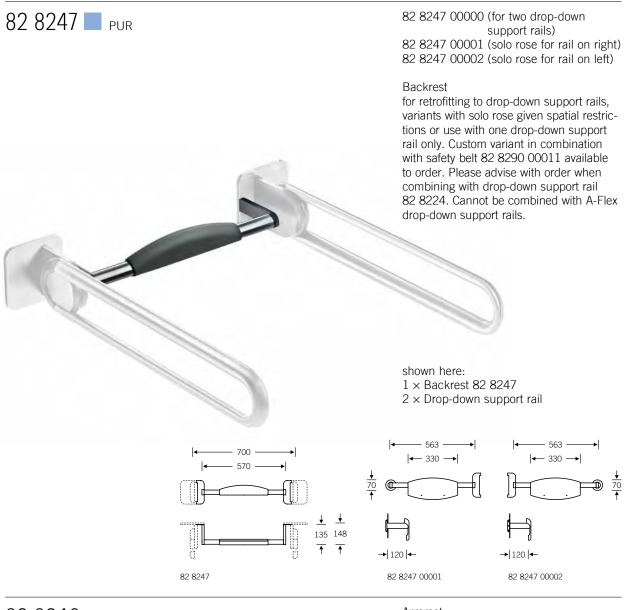
82 8228 00001 (RH) 82 8228 00002 (LH)

Supporting leg for FSB drop-down support rails, to increase the supportable load by approx. 50 kg Important note: not suitable for public areas





fsb.de/828224 fsb.de/828290 fsb.de/828228 All fittings marked with the symbols © 'right-hand' and \mathcal{O} 'lefthand' need to be ordered and installed as righthand or lefthand variants respectively. Hands are determined looking towards the washstand/WC: the RH variant is to be fitted to the tight of the washstand/WC and vice versa.







Armrest for attachment to support and grab rails

 $\begin{array}{c|c}
\downarrow & \longrightarrow & \longrightarrow & \longrightarrow & \longrightarrow & \longrightarrow & \longrightarrow \\
\hline
67 & \longrightarrow & \bigcirc & \bigcirc & \bigcirc & \bigcirc
\end{array}$

fsb.de/828247 fsb.de/828246

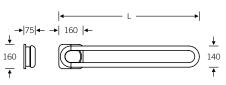


		L
© 82 8224 07021	RH	930
Ø 82 8224 07022	LH	930
© 82 8224 09021	RH	980
Ø 82 8224 09022	LH	980

Drop-down support rail for fitting side-on to reduce utility shaft widths for WC bowls projecting max. 550 mm

Max. loading 100 kg on the front edge

shown here: LH



82 8222

Fitting scenario involved



82 8222 07000 (L = 700 mm)

82 8222 08500 (L = 850 mm) 82 8222 09000 (L = 900 mm)

Wall-mounted support rail non-handed



fsb.de/828224 fsb.de/828222 Fastenings supplied

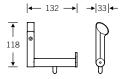
All fittings marked with the symbols \bigcirc 'righthand' and \bigcirc 'lefthand' need to be ordered and installed as righthand or lefthand variants respectively. Hands are determined looking towards the washstand/WC: the RH variant is to be fitted to the tight of the washstand/WC and vice versa.





82 8245 00000

Toilet-roll holder for attachment to support and grab rails



82 8248 Plastic



82 8248 00002

Radio-controlled push-button to actuate flushing of the toilet

Compatible with TECE, Geberit, Viega and others

Radio frequency 868.4 MHz

82 8248 Plastic



Bracket for push-button for attachment to support and grab rails, Supplied without push-button

82 8248 00000 (for Mepa model) 82 8248 00001 (for Grohe model)

Further makes to order

shown here: Mepa Sanicontrol 860

fsb.de/828245 fsb.de/828248



Drop-down support rail with function buttons

RH:

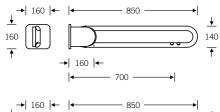
- 82 8224 08503 (blue/yellow*, 1 of each)
- 82 8224 08505 (blue*, 1)
- 82 8224 08507 (yellow*, 1)
- 82 8224 08509 (red*, 1)
- 82 8224 08513 (red/white LED*)

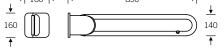
LH:

- 82 8224 08504 (blue/yellow*, 1 of each)
- 82 8224 08506 (blue*, 1)
- 82 8224 08508 (yellow*, 1)
- 82 8224 08510 (red*, 1)
- 82 8224 08514 (red/white LED*)

Compatible with TECE Gerontomodul or TECEprofil 9.042.016

Length of cable from outlet 1,200 mm





82 8248

82 8248 00003

Surface-mounted cable box for drop-down support rail with function button





fsb.de/828224 fsb.de/828248 * blue = closer yellow = closer blue/yellow = closer red = opener function red/white = closer and opener function All fittings marked with the symbols \bigcirc 'righthand' and \bigcirc 'lefthand' need to be ordered and installed as righthand or lefthand variants respectively. Hands are determined looking towards the washstand/WC: the RH variant is to be fitted to the tight of the washstand/WC and vice versa.

82 8260

82 8260 00058

with roll brake

Toilet-roll holder



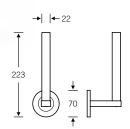


82 8260

82 8260 00032

Spare toilet-roll holder for two toilet-rolls





82 8260



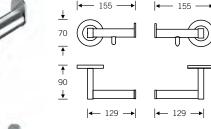
82 8260 00030 (RH)

82 8260 00130 (LH)

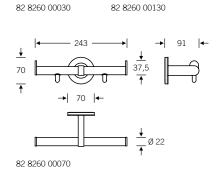
82 8260 00070 (for two toilet-rolls)

Toilet-roll holder with roll brake









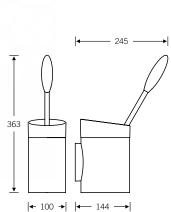
82 8260

82 8260 00042

82 8260 00071 (without toilet-brush)

Oval toilet-brush set with removable plastic insert, can be cleaned at up to 130 °C, the brush heads are replaceable and can be reordered separately





fsb.de/828260

FSB's METRIC® line of accessories is to be found on page 734ff.

685 ErgoSystem® E300 Supplementary fitments



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 ErgoSystem® E300 range.

A-Flex can be particularly recommended for hoteliers or the operators of hospitals with private wards, who can use it to cater to the individual or acutely changing needs of guests and patients. Cases in point are guests in a hotel who do not generally require barrier-free aids in the bathroom but for whom such aids become necessary due to a sudden injury – e.g. at a winter sports resort. The system yields additional benefits in the form of significantly lower costs for the initial fit-out, as the spaces concerned are merely fitted with an A-Flex support plate and use can be made of drop-down support rails and foldaway shower seats as required. The concept was also reason enough for the jury of Germany's Central Sanitary, Heating and Air Conditioning Association to honour A-Flex components with its ZVSHK Award.

82 8227



82 8227 00002 (incl. cover plate) 82 8227 00003 (without cover plate)

A-Flex support plate for use with drop-down support rail 82 8224 0604. | 0704. | 0854. | 0904. or tip-up shower seat 82 8244 00001 and 82 8251 00001





82 8227 00002

82 8227 00003



fsb.de/828227

All A-Flex components are fitted with anti-theft devices.



82 8224



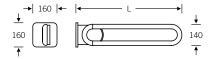
		L
© 82 8224 06041	RH	600
Ø 82 8224 06042	LH	600
© 82 8224 07041	RH	700
Ø 82 8224 07042	LH	700
© 82 8224 08541	RH	850
Ø 82 8224 08542	LH	850
© 82 8224 09041	RH	900
Ø 82 8224 09042	LH	900

A-Flex drop-down support rails* spring-loaded, ease of action adjustable

Compatible with TECE Gerontomodul or TECEprofil 9.042.016

Custom lengths up to max. 900 mm can be supplied

Max. loading 100 kg on the front edge



82 8244

Seat section in PUR



82 8244 00001

A-Flex* tip-up shower seat with rotating seat section

with ball bearings and roller brake

Max. loading 150 kg

82 8251

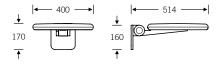
Seat section in PUR

82 8251 00001

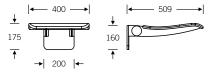
A-Flex* tip-up shower seat with straight-sided seat section

Max. loading 150 kg









fsb.de/828224 fsb.de/828244 fsb.de/828251

* Support plate 82 8227 (see page 686) is not included in the scope of delivery and should be ordered separately.

All fittings marked with the symbols O 'righthand' and \mathcal{O} 'lefthand' need to be ordered and installed as righthand or lefthand variants respectively. Hands are determined looking towards the washstand/WC: the RH variant is to be fitted to the tight of the washstand/WC and vice versa.

Customised handrails

Dimensions to order with standard coating





ErgoSystem® E300 handrails made to measure

In years gone by, 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.

It is thus also possible to harness the unique diagonal-oval cross-section for handrails. Special orders of this kind are not standard industrial products, however; rather, they are customised productions whose assembly and use lies in the client's sphere of responsibility. Assuming a suitable order volume, FSB is willing to provide you with specialists to draw up the measurements. Please fax us your enquiries with dimensions. FSB will scrutinise these, produce a duplicate drawing and submit a quote. Please bear in mind that the maximum gap between two supports is 1.2 m.

Customised colours

Dimensions to order bespoke coatings







Standard and bespoke coating

FSB sees itself first and foremost as a makers of door and window hardware made of choice metals – which applies equally to its ErgoSystem® E300.

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® E300 heavy-duty fittings can then be made to match or, indeed, accentuate existing colour schemes. Please indicate the required RAL number with each enquiry.

Coating process

FSB adopts a solvent-free electrostatic powder-coating technique.

Coated parts have a certain surface hardness and resistance to wear as well as being colour-fast. Colour coatings will withstand regular use assuming items are properly fitted and used as intended. The surface may scratch if struck by hard, sharp-edged objects such as rings, tools, nursing or walking aids etc.). Scratch marks have no affect, however, on the function of the fittings. Such finishes should never be subjected to abrasive cleansers.

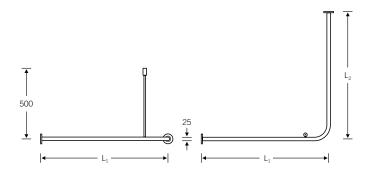
On grounds of product liability, we will not coat ErgoSystem® handle components made in Stainless Steel. Colour coating would take both the aesthetic appearance of ErgoSystem® E300 and the indestructibility of the Stainless Steel surface to absurd levels.



	L ₁	L ₂
82 8235 01000 (16 hooks) 82 8235 01200 (24 hooks) 82 8235 01500 (24 hooks)	1,200	1,200

Angled shower curtain rail with hooks (ceiling connector can be shortened on site though the rail cannot), cf. page 660

Anti-ligature variant due to reusable clickin mechanism on the ceiling connector



82 8233

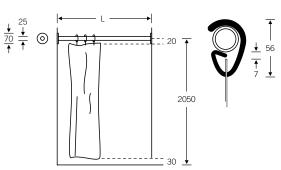


82 8233 00900 (L = 900 mm, 8 hooks) 82 8233 01200 (L = 1,200 mm, 16 hooks) 82 8233 01500 (L = 1,500 mm, 16 hooks) 82 8233 01800 (L = 1,800 mm, 16 hooks)

Shower curtain rail with curtain hook for alcoves, cf. page 660

Anti-ligature variant with reusable click-in mechanism (rail cannot be shortened on site)

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.



fsb.de/828235 fsb.de/828233





For curtain designs, cf. page 659

A dedicated click-in mechanism is designed to fail when subjected to loads of approx. 25 kg upwards. It can be re-installed.

82 8259 | 82 8260



82 8259 01198 (L = 1,198 mm) 82 8260 01050 (for wall mounting, L = 1,200 mm)

Shower rail with shower-head holder for attachment to grab rails and handrail combinations

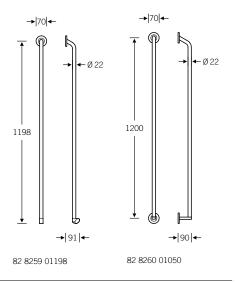
Anti-ligature variant

The shower-head holder makes for convenient showering: it combines an ergonomically fashioned stirrup 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 rail.



The rail is fixed in position using the double-sided adhesive strip supplied, which is inserted between the plastic connector and the oval tube during assembly.



fsb.de/828259 fsb.de/828260

For matching grab rails and handrail combinations (not included in the scope of delivery), cf. page 646ff.





Anti-ligature variants

Planning information page 750 ff. Specification texts: fsb.de/ergosystem

82 8260



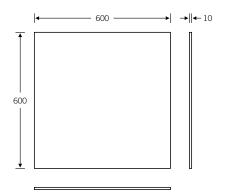
82 8260 00054 (450 × 450 mm) 82 8260 00055 (600 × 600 mm) 82 8260 00056 (600 × 450 mm)

Mirror

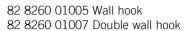
in Polished Stainless Steel incl. mounting plate

Vandalism-proof and anti-ligature due to non-glass mirror surface

Thickness of metal plate 1.5 mm



82 8260

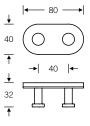


Anti-ligature variant due to reusable clip-fastening









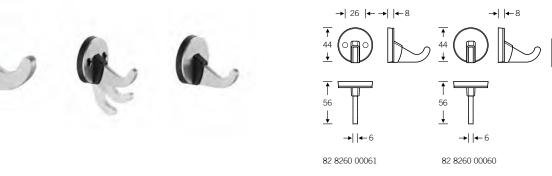
fsb.de/828260





82 8260 00061 (faceplate non-detachable) 82 8260 00060 (concealed fixing)

Anti-ligature folding hook*



82 8260

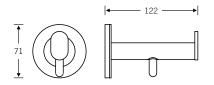
82 8260



82 8260 01058

Toilet-roll holder with roll brake

Anti-ligature variant due to reusable clip-fastening



fsb.de/828260

* Determining the fixing method is the responsibility of the specialist planner or operator in line with the application in hand. Fastenings (screws and plugs) not included.

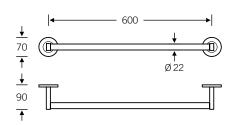
82 8260

82 8260 01062 (L = 300 mm) 82 8260 01063 (L = 450 mm) 82 8260 01011 (L = 600 mm)

Bath towel rail

Anti-ligature variant due to reusable clip-fastening





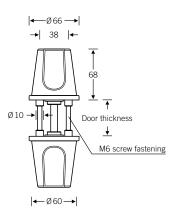
fsb.de/828260

Hardware for surveillanced spaces

96 2399

Door knob in the form of a stub-ended cone with finger recesses in a particularly rugged design with a special-purpose 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 acts of suicide.



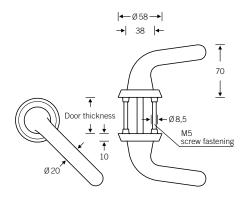


96 7099



96 7099 00099 (RH) 96 7099 00100 (LH)

Lever/lever set with conical neck and grip section angled 45° downwards on both sides. The bearing mechanism set in a conically shaped rose makes it impossible to attach cords or ropes and lessens the likelihood of acts of suicide. This particularly rugged design ensures safe use. Face fixing concealed by chunky conical rose with 8.5 mm-Ø lugs.



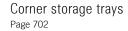
698 ErgoSystem® A100 701 Shower and bath area 717 Washstand area 725 WC area

6c

ErgoSystem® A100Product Chart

Shower and bath area

Handrail combinations Page 702







Shower-head holder, shower rails Page 708



Washstand area

Utensils trays Page 718f.

Drop-down support rails Page 720





WC area

Drop-down support rails Page 726ff.

Backrest Page 730





Angled rails
Page 704f.



Grab rails
Page 706



Storage trays
Page 707



Tip-up shower seats
Page 712



Utensils trays

Page 713



Shower curtain rails



Bath towel rails



Mug holder, soap holder



Hooks Page 723







Wall mirror

Page 724



Toilet-roll holders

Page 731f.



Toilet-brush set

Page 732



Information signs Page 744f.



701 ErgoSystem® A100 Shower and bath area

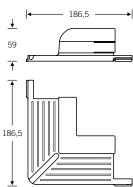
Shower and bath area

82 8404 | 82 8407 | 82 8408 🗆



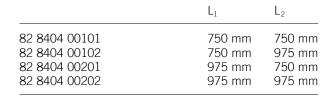


82 8460 00013 Corner storage tray





fsb.de/828404 fsb.de/828407 fsb.de/828408 fsb.de/828460

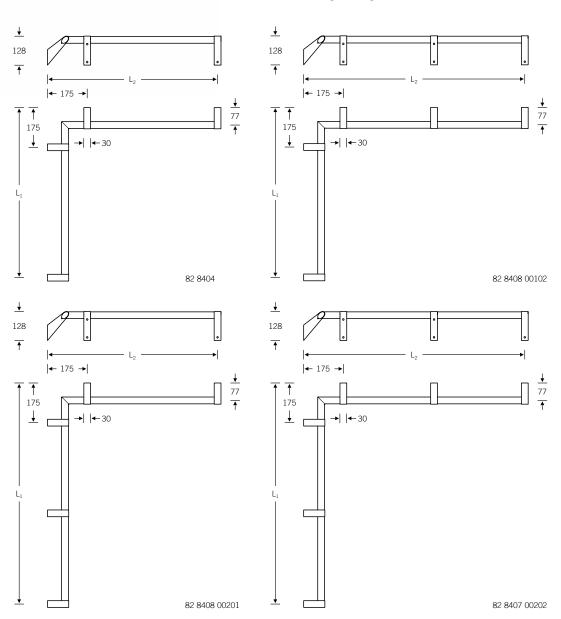


82 8404 Handrail combination with four brackets

	L ₁	L ₂
82 8407 00202 82 8408 00102 82 8408 00201	975 mm 750 mm 975 mm	975 mm 975 mm 750 mm

 $82\ 8407\ I\ 82\ 8408$ Handrail combination with additional bracket for the use of a suspended seat (see page 710), $L=975\ mm$

Max. loading 100 kg



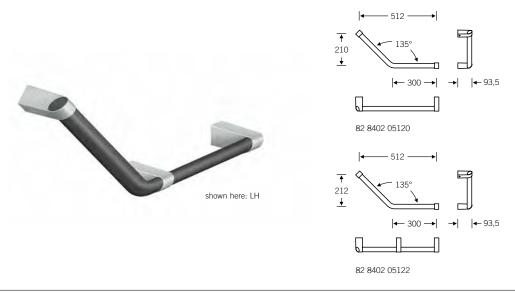
82 8402		L ₁	L ₂	L ₃	
	82 8402 05120		300	512	210
	82 8402 05121 82 8402 05122	RH LH	300 300	512 512	212 212

Angled rail

82 8402 05120 Angled rail with sides of equal length, can be fitted to point either to the right or left

 $82\ 8402\ 05121$ (RH) and 05122 (LH) with sides of equal length, though handed due to the additional third bracket





fsb.de/828402

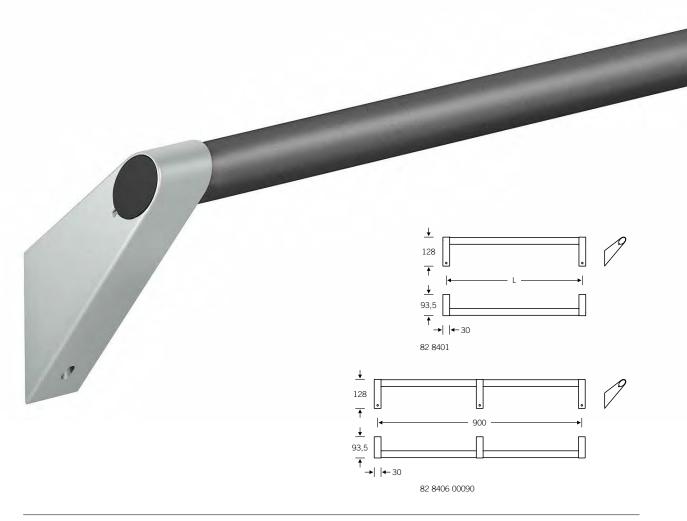
The handing of angled rails and handrail combinations relates to the view into the corner of the space: angled rails indicated as being "lefthand" are for fitting to the lefthand wall from this perspective and vice versa.

82 8403 | 82 8405 L Н 300 600 82 8403 06001 RH82 8403 06002 LH 300 600 82 8405 00011 RH450 1045 82 8405 00012 LH 450 1045 1195 82 8405 00021 RH600 82 8405 00022 LH 600 1195 Angled rail (shown here: LH) 82 8403 06002 600 82 8405 00012 1.045 → | | ← 93,5 - 450 -82 8405 00022 1.195 **|←** 93,5

fsb.de/828403 fsb.de/828405 The handing of angled rails and handrail combinations 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.

Shower and bath area

82 8401 | 82 8406



82 8421



FSB provides well-conceived further scope with optional accessories. Spaces can be flexibly and need-responsively fitted out and retrofitted. The adaptor plate is envisaged for scenarios in which grab rails do not need to be fitted from the outset but can be added as and when required.

82 8421 00200 (without wall adaptor) 82 8421 00201 (with wall adaptor)

Adaptor plate for the reversible fitting of grab rails

fsb.de/828401 fsb.de/828406 fsb.de/828421



82 8401 00030 (L = 300 mm) 82 8401 00045 (L = 450 mm) 82 8401 00060 (L = 600 mm) 82 8401 00090 (L = 900 mm)

82 8406 00090 (L = 900 mm)

Grab rail

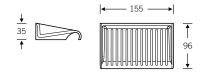
Grab rail 82 8406 00090 with additional centre bracket foreseen when using a suspended seat (cf. page 710) over a length of 900 mm

Max. loading 100 kg



82 8260 00039

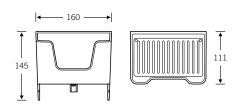
Plastic storage tray





82 8260 00059*

Theft-resistant clip-on plastic storage tray



fsb.de/828260

^{*} Also available in White approximating to RAL 9016, please advise when ordering





82 8439

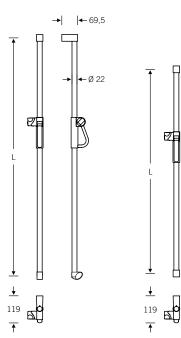
82 8439 01048 (L = 1048 mm) 82 8439 01198 (L = 1198 mm)

combinations 82 8439 10900 (L = 900 mm) for wall

82 8439 10900 (L = 900 mm) for wal mounting



Plastic shackle for handrails RAL 7016 as standard for all colour configurations; please advise shackle in RAL 9016 (White) separately when ordering.



fsb.de/828439

The shower rail is not to be used as a grab rail.

Matching grab rails and handrail combinations not included in scope of delivery, cf. pages 702 f. and 706 f.

← 69,5

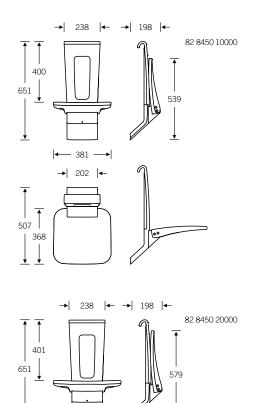
- Ø 22

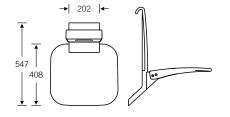
82 8450 Seat section in PUR

82 8450 10000 (seat section 381 × 368 mm) 82 8450 20000 (seat section 447 × 408 mm)

Suspended seat for grab rails or handrail combinations (min. length 450 mm), seat section with end-position click-stop mechanism for safe operation and gripping volume towards the top of the backrest

Max. loading 150 kg





- 447 -

fsb.de/828450

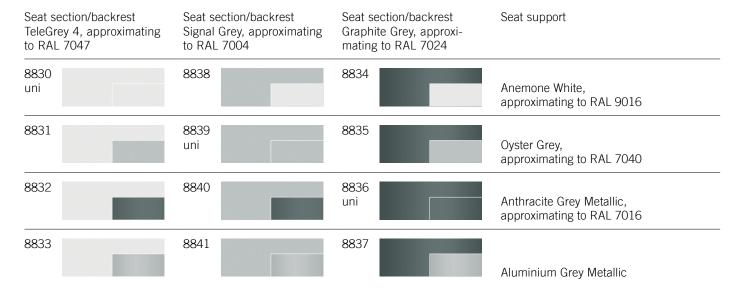


Aluminium parts certified in accordance with the following standards and test methods:

- Resistance to commercial cleaning agents, corrosion (DIN EN ISO 6988), scratching (DIN EN ISO 1518-1*), abrasion (DIN EN 60068-2-70*)
- Adhesiveness of coating (DIN EN ISO 2409)
- * Testing as laid down in the standard cited

shown here: colour code 8837

Colour options suppliable for seats FSB 82 8450 and 8451



The colour codes for seat section/seat support configurations are as for the tip-up shower seat for wall mounting, cf. page 712.

Colours for seat section and armrest not identical to coating colours for aluminium parts, cf. also colour information on page 628f.; colours printed may differ for technical reasons.

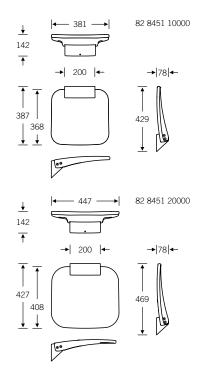
82 8451 Seat section in PUR

82 8451 10000 (seat section 381×368 mm) 82 8451 20000 (seat section 447×408 mm)

Tip-up shower seat for wall mounting Straight-sided seat section with end-position click-stop mechanism for safe operation

Max. loading 150 kg





82 8421

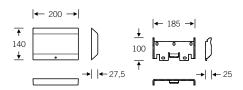


FSB provides well-conceived further scope with optional accessories. Spaces can be flexibly and need-responsively fitted out and retrofitted. The support plate is envisaged for scenarios in which grab rails do not need to be fitted from the outset but can be added as and when required.

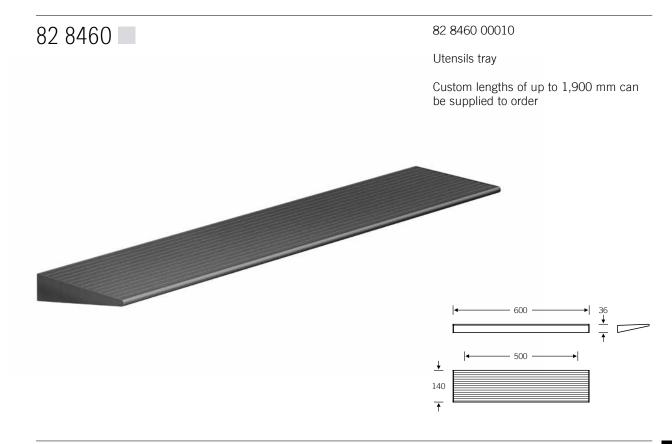
82 8421 00100 (with support plate) 82 8421 00101 (without support plate)

Cover plate

for flexible installation in, for instance, hotels or private wards



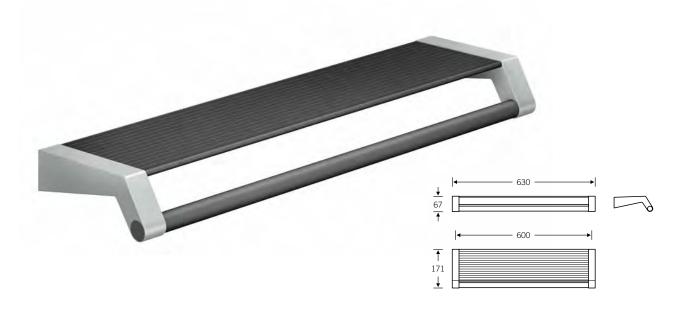
fsb.de/828451 fsb.de/828421



82 8460 00011

Utensils tray with grab/towel rail

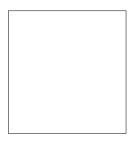
Max. grab rail loading 100 kg



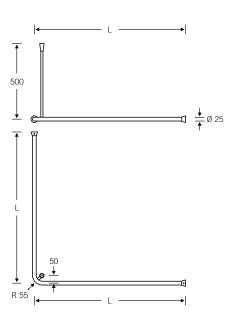


82 8438 01010 (L = 1,000/1,000 mm, 16 hooks for shower curtain included) 82 8438 01212 (L = 1,200/1,200 mm, 24 hooks for shower curtain included)

Shower curtain rail (can be shortened on site)



The curtain hooks do not catch on the ceiling attachment even under single-handed operation.



fsb.de/828438

The on-site shortening of, for instance, curtain rails renders all warranty claims null and void.

82 8448 01000 Single ceiling connector for shower curtain rail, can be shortened on site 82 8448 11000 Connector for suspended ceilings 82 8435

82 8435 00900 (L = 900 mm) 82 8435 01200 (L = 1,200 mm) 82 8435 01500 (L = 1,500 mm) 82 8435 01800 (L = 1,800 mm)

Shower curtain rail with curtain hooks for alcoves (can be shortened on one side on site)





Shower curtains 1,200 mm wide go with curtain rail 01010, those 1,800 mm wide with curtain rail 01212. Two curtains are required for angled shower curtain rails.

8200 9000 8800
Magic White White Manhattan

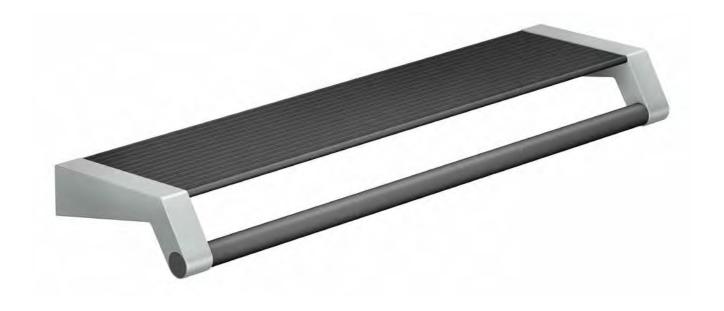
fsb.de/828434 fsb.de/828448 fsb.de/828237 The on-site shortening of, for instance, curtain rails renders all warranty claims null and void.

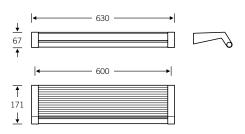
717 ErgoSystem® A100 Washstand area

82 8460 00011

Utensils tray with grab/towel rail

Max. grab rail loading 100 kg





6c

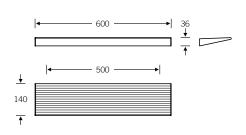
82 8460

82 8460 00010

Utensils tray

Custom lengths of up to 1,900 mm can be supplied to order



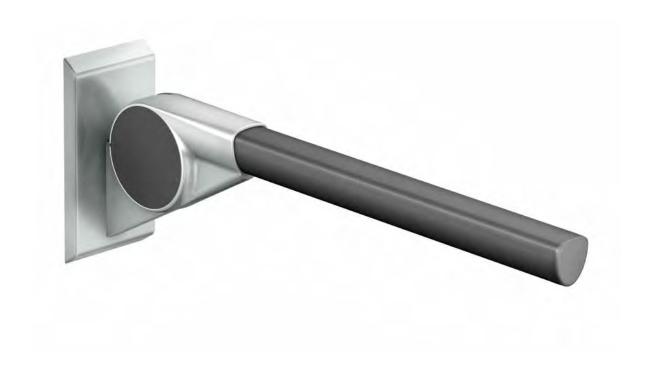


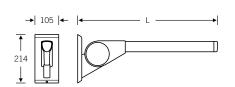
82 8420 00060 (L = 600 mm) 82 8420 00070 (L = 700 mm) 82 8420 00085 (L = 850 mm) 82 8420 00090 (L = 900 mm)

Drop-down support rail with non-directional grip cross-section

Spring-loaded, ease of action adjustable

Max. loading 100 kg on the front edge

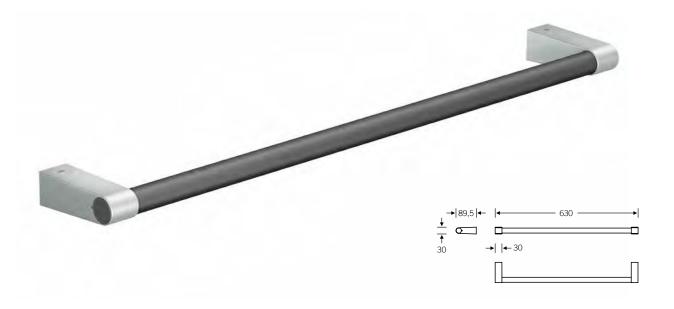




82 8460 00001

Single fixed bath towel rail

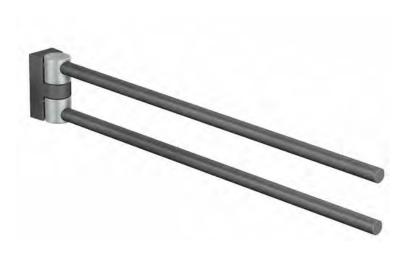
Custom lengths of up to 1,050 mm can be supplied to order

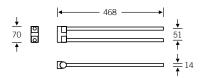


82 8460

82 8460 00002

Double swivel-action hand towel rail

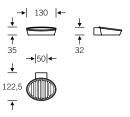




82 8460 00012

Soap holder with plastic soap dish



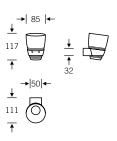


82 8460

82 8460 00014

Mug holder with plastic mug





82 8460 00003

Wall hook



$$\frac{1}{18}$$
 $\frac{1}{16}$ $\frac{1}{16}$

82 8460

82 8460 00004

Coat hook



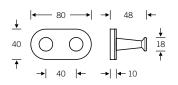
$$\frac{1}{28} \bigcirc \frac{1}{26} \bigcirc \frac{1}{1}$$

82 8460

82 8460 00018

Double wall hook





82 8460 00015

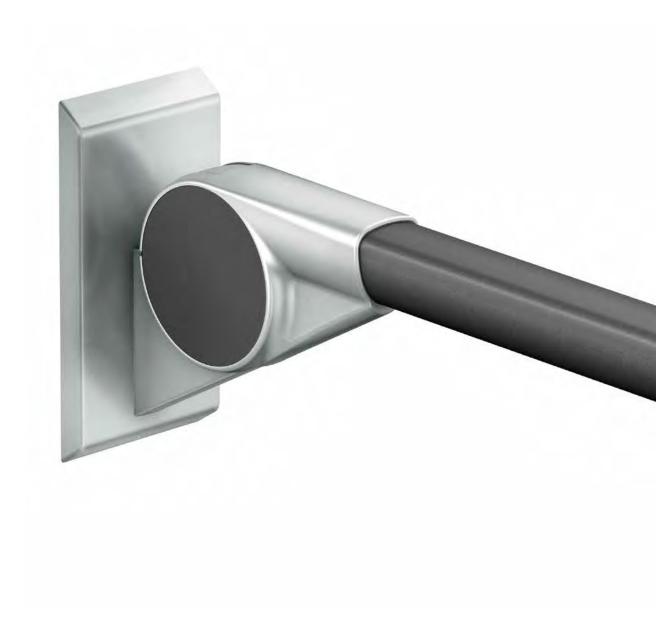
Wall mirror Glass 6 mm thick with 4 brackets $1,000 \times 600$ mm

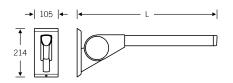
82 8460 00021 (brackets only)

Mirror holder available in all standard finishes



725 ErgoSystem® A100 WC area





82 8420 00060 (L = 600 mm)

82 8420 00070 (L = 700 mm)

82 8420 00085 (L = 850 mm)

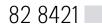
82 8420 00090 (L = 900 mm)

Drop-down support rail with non-directional grip cross-section

Spring-loaded, ease of action adjustable

Custom lengths of up to 900 mm can be supplied to order

Max. loading 100 kg on the front edge

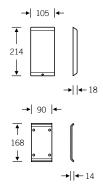


82 8421 00000 (with support plate) 82 8421 00001 (without support plate)

Cover plate for flexible installation in, for instance, hotels or private wards

FSB opens up further scope with well-conceived optional accessories. Spaces can be flexibly and need-responsively fitted out and retrofitted. The support plate is envisaged for scenarios in which dropdown support rails do not need to be fitted from the outset but can be added as and when required.





fsb.de/828420 fsb.de/828421

Drop-down support rail with non-directional grip cross-section and toilet-roll holder

Spring-loaded, ease of action adjustable

Optionally with button(s) with no visible wiring - this is run inside the rail and straight into the false-wall installation via the baseplate

Custom lengths of up to 900 mm can be supplied to order

Max. loading 100 kg on the front edge

82 8420 01060 (L = 600 mm)

82 8420 01070 (L = 700 mm)

82 8420 01085 (L = 850 mm) 82 8420 01090 (L = 900 mm)

Optionally with function button(s)

82 8420 01170 (L = 700, yellow*)

82 8420 01185 (L = 850, yellow*)

82 8420 01190 (L = 900, yellow*)

82 8420 01270 (L = 700, blue*)

82 8420 01285 (L = 850, blue*)

82 8420 01290 (L = 900, blue*)

82 8420 01370 (L = 700, red*)

82 8420 01385 (L = 850, red*)

82 8420 01390 (L = 900, red*)

82 8420 01470 (L = 700, blue/yellow*)

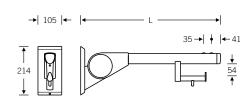
82 8420 01485 (L = 850, blue/yellow*)

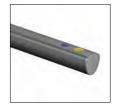
82 8420 01490 (L = 900, blue/yellow*)

82 8420 01570 (L = 700, LED red/white*)



Function buttons available: blue, yellow, red or with built-in LED









fsb.de/828420

* blue = closer yellow = closer blue/yellow = closer red = opener function red/white = closer and opener function

Drop-down support rail with non-directional grip cross-section and function button(s)

Spring-loaded, ease of action adjustable

Button with no visible wiring – this is run inside the rail and straight into the falsewall installation via the baseplate

Custom lengths of up to 900 mm can be supplied to order

Max. loading 100 kg on the front edge

82 8420 00170 (L = 700, yellow*)

82 8420 00185 (L = 850, yellow*)

82 8420 00190 (L = 900, yellow*)

82 8420 00270 (L = 700, blue*)

82 8420 00285 (L = 850, blue*)

82 8420 00290 (L = 900, blue*)

82 8420 00370 (L = 700, red*)

82 8420 00385 (L = 850, red*)

82 8420 00390 (L = 900, red*)

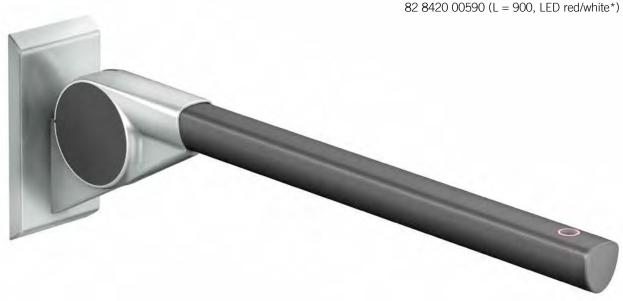
82 8420 00470 (L = 700, blue/yellow*)

82 8420 00485 (L = 850, blue/yellow*)

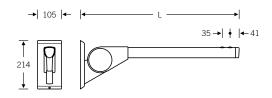
82 8420 00490 (L = 900, blue/yellow*)

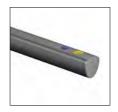
82 8420 00570 (L = 700, LED red/white*)

82 8420 00585 (L = 850, LED red/white*)



Function buttons available: blue, yellow, red or with built-in LED







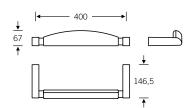
fsb.de/828420

* blue = closer yellow = closer blue/yellow = closer red = opener function red/white = closer and opener function

82 8446 01400

Backrest for wall mounting

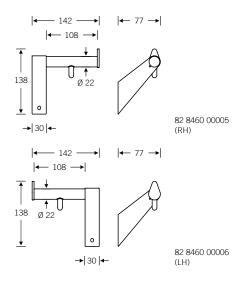




82 8460 00005 (RH) 82 8460 00006 (LH)

Toilet-roll holder with roll brake



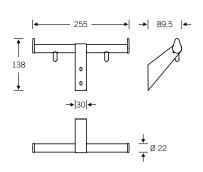


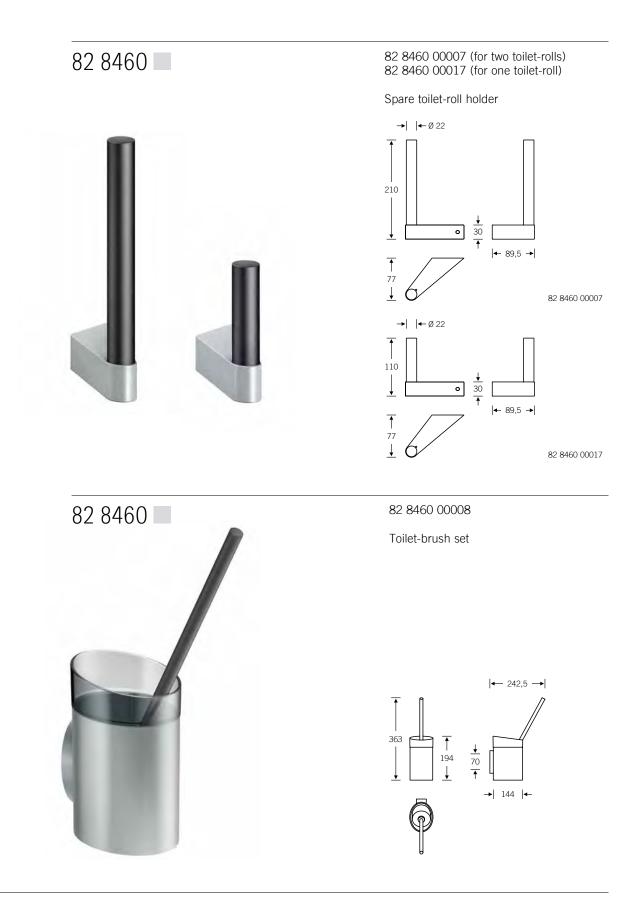
82 8460

82 8460 00020

Toilet-roll holder with roll brake for two toilet-rolls







fsb.de/828460

733 METRIC® Bathroom accessories

6d

METRIC® **Product Chart**

Utensils tray Seite 736



Mug holder Seite 736



Soap holder Seite 736







Bath towel rail Seite 737



Bath towel rail Seite 737



Hand towel rail Seite 737



Toilet-roll holder Seite 739



Spare toilet-roll holder Seite 739



Spare toilet-roll holder Seite 739



Toilet-brush set, oval Seite 738



Toilet-brush set, round Seite 738



Door stop Seite 741



Wall hook, coat hook Seite 741







METRIC[®]

Bathroom accessories

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

Factors such as "naturalness", "simplicity" and "feeling good" are setting new standards both in the domestic sphere and in hotels and public areas. Growing significance attaches in the process to the selection and combination of natural materials, finishes and colours. FSB is echoing this trend in the design of its METRIC® bathroom accessory series.



METRIC's looks are consciously understated, being defined by geometric forms and premium materials. The stylistic contrast between round roses and rectangular-section supports is a thematic thread that runs through the entire series. The combination of the two simultaneously underscores the crisp structuring of the system's constituent parts.

Its astutely balanced proportions have a soothing effect and blend harmoniously with a variety of design concepts. Ergonomic criteria have been taken into account wherever they are an aid to fluent sequences of movements. The holder for the toothbrush glass, for instance, tilts towards the user in a manner that facilitates the act of removing the glass.

METRIC® is supplied in Stainless Steel Brushed Satin Matt. As well as being aesthetically pleasing, Stainless Steel exudes an authenticity that combines particularly well with natural materials such as wood and granite and makes it a firm contender for inclusion in quality bathroom schemes. This dependable material has a justifiable reputation for being serviceable, corrosion-resistant, easy to look after and durable.

The quality with which FSB works Stainless Steel is the upshot of many decades of experience gained from producing well-designed, superlatively engineered hardware for doors and windows. We have now applied this proficiency in design and manufacture to the METRIC® bathroom accessory series.

Fixing

The base rose (wall mounting) contains two parallel slots for optimum positioning and is screwed to the wall using the fixing material supplied. The cover rose is then pressed home and the patterning aligned as required. Final visual adjustment of the functional components is performed by firmly tightening the hexagon socket screw against the tensioning bolt.

As an alternative to conventional screw fixing, FSB also adopts a bonding technique that is highly adhesive whilst facilitating residue-free removal. Find out more on page 742.



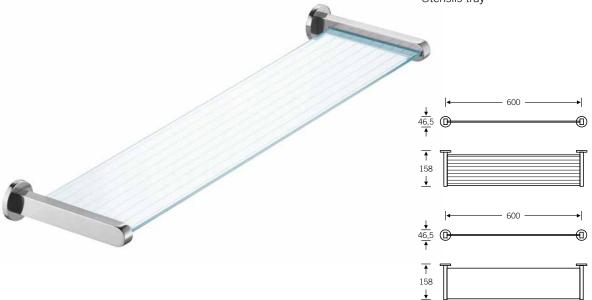




METRIC®

Bathroom accessories





82 8270

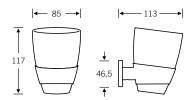
82 8270 00041 Mug holder with glass 82 8270 08041 ditto with adhesive fixing



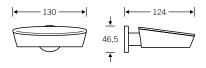
82 8270 00040 Soap holder with plastic soap dish

82 8270 08040 ditto with adhesive fixing





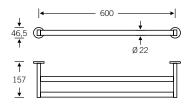




METRIC* Bathroom accessories



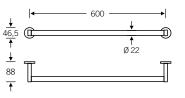
82 8270 00021 Double bath towel rail 82 8270 08021 ditto with adhesive fixing





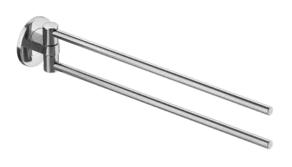


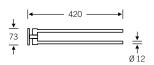
82 8270 00011 Single bath towel rail 82 8270 08011 ditto with adhesive fixing



82 8270

82 8270 00010 Double swivel-action hand towel rail 82 8270 08010 ditto with adhesive fixing





METRIC®

Bathroom accessories

82 8270

82 8270 00043 Toilet-brush set, round 82 8270 08043 ditto with adhesive fixing

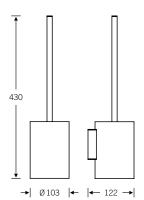
Toilet-brush set, round with removable plastic insert*



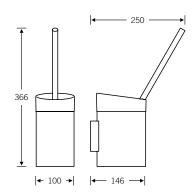
82 8270 00042 Toilet-brush set, oval 82 8270 08042 ditto with adhesive fixing

Toilet-brush set, oval with removable plastic insert









^{*} The removable plastic insert in our toiletbrush sets can be cleaned at up to 130 °C. The brush heads are replaceable and can be reordered separately.

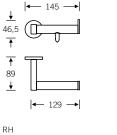
METRIC* Bathroom accessories

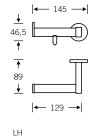
82 8270

82 8270 00030 (RH) | 00130 (LH) Toilet-roll holder with roll brake

82 8270 08030 (RH) | 08130 (LH) ditto with adhesive fixing

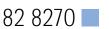






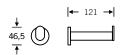
82 8270

82 8270 00031 Spare toilet-roll holder for one toilet-roll 82 8270 08031 ditto with adhesive fixing



82 8270 00032 Spare toilet-roll holder for two toilet-rolls 82 8270 08032 ditto with adhesive fixing







METRIC[®]

Bathroom accessories

82 8270



82 8270 00050 Shower rail with shower-head holder for wall mounting 82 8270 08050 ditto with adhesive fixing

The METRIC® shower-head holder makes for convenient showering: it combines an ergonomically fashioned stirrup 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

all times and giving the user the opportunity to, for instance, hold on to a grab rail.

Differing lengths can be supplied either to take account of the tiling grid, to use/

with one hand – leaving the other free at

conceal existing boreholes or as specifically desired by the customer. Please send us a dimensioned sketch for this purpose.

→ | ← 47 → 135 → 1 135

→ 89 ←





fsb.de/828270

The shower rail is not to be used as a grab rail.

82 8270 00001 Wall hook

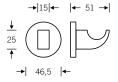
82 8270 08001 ditto with adhesive fixing

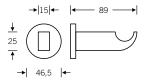
82 8270 00002 Coat hook

82 8270 08002 ditto with adhesive fixing







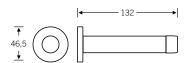


82 8270

82 8270 00003 Door stop 82 8270 08003 ditto with adhesive fixing

Custom lengths to order





METRIC® bonding technique













Easy, fast, safe

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

It is an ideal means of fastening 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 nevertheless be removed without trace.

The bonding agent is a highly adhesive 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. Should 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.

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.
- Slot on the METRIC® accessory and fasten it with an Allen key. Done!

744 Information signs | Pictograms746 Assembly and fixing methods and planning advice

6e

Information signs | Pictograms

36 4059

Design: Otl Aicher

Shown on this double-page spread are just a few of our comprehensive range of pictograms. You will find a complete run-down at **www.fsb.de/signs**

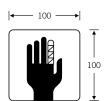
The system covers the areas set out alongside:

- Information signs
- Special-function spaces
- Communication
- Service provision
- Safety
- Health
- Culture ad leisure pursuits
- Shopping
- Transportation and traffic
- Sport



Illustrative design, customised pictograms available to order





36 4059

00002	Arrow	up
-------	-------	----

00005 Arrow down to left

00003 Arrow left

00004 Arrow right

00012 Lift

00014 Stairs up

00017 Emergency exit

00030 No smoking

00100 Ladies' toilets 00101 Men's toilets

00103 Disabled persons

00106 Shower

00111 Soap (optoelectronic)

00120 Quiet room

00121 Waiting room

00122 Observation deck

00041 Silence please 00042 Remove shoes

00151 Sauna

00152 Solarium

00330 Information

00154 Prayer room 00633 Reading room

00634 Lounge













































A pictogram's quality resides primarily in its simplicity and the exhaustiveness of the system underpinning it. Our pictograms have no truck with fads and trends, being couched instead in a visual idiom that is clear and conclusive.

The system was originally developed by Otl Aicher for the Munich Olympic Games and as signage for Frankfurt Airport. It has been looked upon as an exemplary solution the world over ever since and is still, forty years on, fully in step with the times. The on-going addition of new pictograms takes account of both technical innovations and the convergence of international markets. A total of over 400 pictograms cover virtually every conceivable application in the public and commercial spheres.

The complete pictogram system by Otl Aicher, from which the commonly used motifs shown here have been selected, can be found in our PDF brochure entitled "Communicating without words: pictograms in public information signs", which is available at fsb.de/downloads.

In addition to the pictograms covered in the aforementioned PDF, FSB is also in a position to develop other pictograms – always conforming to the spirit of Aicher's scheme – to special order. It is additionally possible to print fully customised information signs, pictorial motifs, wordings etc. of any shape or colour onto metal plates capable of being processed at FSB for specific jobs. Please email your enquiries to piktogramme@fsb.de complete with a picture, PDF or vector file or a dimensioned sketch. We will then gladly provide you with an individual quote.

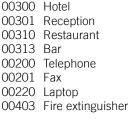
Information signs in braille

Our information signs can now also have braille incorporated. The following variants/ combinations are available:

- Braille only
- Braille + pictogram
- Braille + inscription
- Braille + pictogram + inscription

Here, too, we will be pleased to provide you with an individual quote.

00131	Men's changing room
00142	Airing room
00143	Storeroom
00144	Utility room
00150	Kitchen
00911	Swimming pool
00520	Internal medicine
00528	Massage









































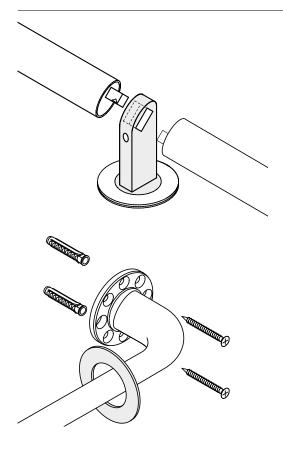


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ErgoSystem® E300

Assembly and fixing 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

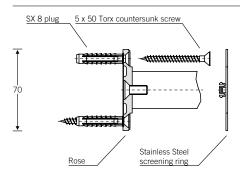
these connector lugs into a snug-fit retention slot on the bracket and securely fastening them with a Size 3 socket key via a borehole on the underside.

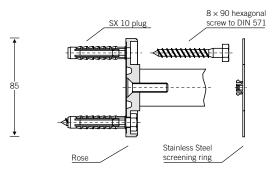
Fixing

The fixing roses for the handrail and grab system have six boreholes, making for very secure screw fixing. Once assembly has been completed, Stainless Steel covering profiles are attached to the fixing roses with the aid of plastic clips to conceal the screw fixing.

Important note

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





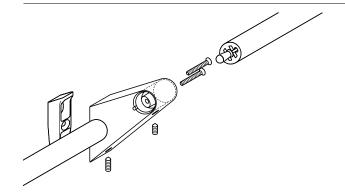
Accessories comprising 5×50 Stainless Steel Torx countersunk screws and SX 8 plastic wall plugs are supplied for fixing the handrail and grab system to solid masonry walls. The means of fixing is concealed by clipping on the Stainless Steel screening ring. This type of fixing is specifically applicable to a rose of 70 mm \emptyset .

Accessories comprising 8 × 90 Stainless Steel hexagonal screws conforming to DIN 571 and SX 10 plastic plugs are supplied for fixing support rails and grab rails to solid masonry walls. The means of fixing is concealed by clipping on the Stainless Steel screening ring. This type of fixing is

specifically applicable for a rose of 85 mm \emptyset and plinth tiles.

ErgoSystem® A100

Assembly and fixing methods



Assembly

Handrail sections come with one bracket attached ex works. Modules can be screwed together to form either handrail configurations or grab rails. There is a pin on one side of each section by means of which it is secured to the adjacent section at the level of the bracket. This is performed by means of an M5 grub screw passed through a borehole at the bottom of the bracket.



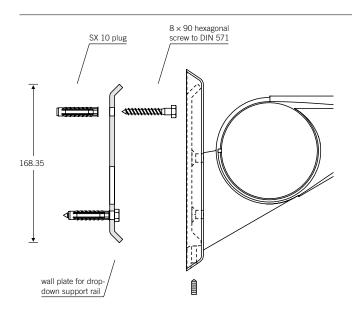
A key component in the fixing of pre-assembled modules is what is known as the "assembly-shoe concept", which compensates for lateral play of up to +/- 2mm. Assembly shoes are applied at the brackets of grab rails and handrail configurations. Used is made of cylindrical pins to fix the utensils tray or wall brackets for the

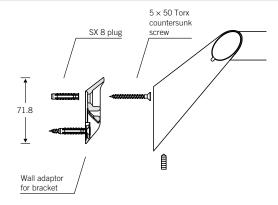
shower rail. Both are concealed once the applicable components have been pressed home and secured with M5 grub screws – a technique FSB has adopted for decades for the fixing of door pulls.

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.





A fastening set comprising 8×90 mm Stainless Steel hexagonal screws to DIN 571 and SX 10 plastic plugs is supplied for fitting **drop-down support rails** to solid walls (though not to false or dry walls).

A fastening set comprising 5×50 mm Torx countersunk screws in Stainless Steel and SX 8 plastic plugs is supplied for fitting the **hand/grab rail system** to solid walls (though not to false or dry walls).

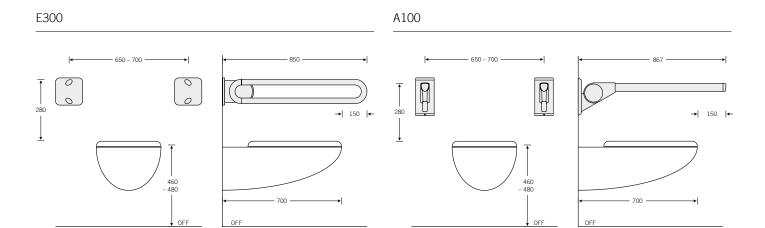
ErgoSystem® E300 Fixing recommendations

Type of wall	Grab rails and handrail combinations	Support rails and tip-up seat
· Concrete (> B15)	Fischer SX 8 × 40 plug The screws supplied by FSB with the wall-plug types show	
Plasterboard Chipboard Hardboard backed with bonded laminated timber board	Spax countersunk screw T (Torx) 5 x 50	Hexagonal screw DIN 571 8 × 90 Shankless Stainless Steel hexagonal screw, with continuous wood-screw thread to DIN 571
 Solid V2 lightweight concrete block Solid clay brick HLz4 vertical coring brick G2 expanded concrete (pumice stone) Cored sand-lime brick 	Fischer SX 8 × 40 plug	Fischer SX 10 LR × 80 plug
Vertical coring brick Cored sand-lime brick Cavity block		Fischer with screw anchor collar FISH 16 × 75 M injection screw anchor collar and FISE 11 × 75 M8 injection internal-thread anchor
Concrete Natural stone Solid sand-lime brick Solid construction materials Solid bricks		Fischer without screw anchor collar FISE 11 × 75 M8 injection internal thread anchor

ErgoSystem® A100 Fixing recommendations

	Type of wall	Grab rails and handrail combinations	Support rails and tip-up seat
	· Concrete (> B15)	Fischer SX 8 × 40 plug	Fischer 5 × 10 LR × 08 plug
		The screws supplied by FS with the wall-plug types sho	B can be used in conjunction own here.
	Plasterboard Chipboard Hardboard backed with	Spax countersunk screw T (Torx) 5 × 50	Hexagonal screw DIN 571 8 × 90
	bonded laminated timber board	3 × 30	Shankless Stainless Steel hexagonal screw, with continuous wood-screw thread to DIN 571
	Solid V2 lightweight concrete block Solid clay brick HLz4 vertical coring brick G2 expanded concrete (pumice stone) Cored sand-lime brick	Fischer SX 8 × 40 plug	Fischer SX 10 LR × 80 plug
	Vertical coring brick Cored sand-lime brick		Fischer with screw anchor collar
	· Cavity block		FISH 16×75 M injection screw anchor collar and FISE 11×75 M8 injection internal-thread anchor
00.00	Concrete Natural stone Salid and lime brick		Fischer without screw anchor
	 Solid sand-lime brick Solid construction materials Solid bricks 		collar FISE 11×75 M8 injection internal thread anchor

ErgoSystem® E300 and A100 Planning information WC area



	DIN 18 040/1	DIN 18 040/2 🕏	DIN 18 040/2
Fixing height including seat	460-480 mm	460-480 mm	as required
WC depth (distance of front edge from wall)	≥ 700 mm	700 mm	550 mm
Mobility area at sides	≥ 900 mm to either side	min. 900 mm on the access side	as required
Negotiable area in front of WC	1,500 mm deep 1,500 mm wide	1,500 mm deep 1,500 mm wide	1,200 mm deep 1,200 mm wide
Distance of WC from side wall	≥ 900 mm	≥ 300 mm	≥ 200 mm
Drop-down rails Distance between rails Integrated flushing mechanism Integrated toilet-roll holder Backrest	280 mm above WC seat height on either side 650–700 mm to left and right to left and right 550 mm behind front edge of WC	280 mm above WC seat height on either side 650–700 mm to left and right to left and right 550 mm behind front edge of WC	as required as required as required as required as required
It is necessary when planning bathrooms and WCs in barrier- free buildings to conform to the following standards:	DIN 18 040 Part 1 governs the planning, execution and fitting-out of publicly accessible buildings or parts thereof/outbuildings, i.e. all structural facilities besides purely residential buildings. This standard does not, however, apply to schools, nursery schools and hospitals—the respective Federal State building regulations having effect here instead. Workplaces, by contrast, are covered by the Workplace Directive.	DIN 18040 Part 2 governs the planning, execution and fitting-out of new rented and cooperative accommodation and equivalent residential facilities suitable for wheelchair users.	DIN 18040 Part 2 governs the planning, execution and fitting-out of new rented and cooperative barrier-free accommodation and equivalent residential facilities.