



702 Door pulls with Fingerscan

# Door pulls with Fingerscan

## Added value at a glance

Door pulls with Fingerscan technology can tell from your fingers whether you're authorised to enter ... or not. Biometric systems have been used in banks and high-security areas for many years. Now this proven technology is also available for your entrance door, coupled with top-notch FSB design.

Convenient access: your key is always 'to hand'. Simply pass a finger over the scanner to open the door.

Easy administration: new users, authorisations and settings can be created, changed or deleted conveniently using an app, with no need for additional programming tools, PCs or accessories.

Ergonomic: your finger finds the biometric reader almost automatically thanks to its optimal position. The door pull is precisely adapted to the proportions of your entrance door.

Versatile use: up to 150 users can be created in the app and stored there with one or more fingerprints. Ideal for private homes and small-to-medium-sized companies.

Event memory: a chronological log of 1,000 events with timestamp and date ensures that there is a record of each time the door is opened.

Protected against forgery: every fingerprint is unique! Individual changes, such as those to children's hands as they grow, for example, or minor injuries, do not present a problem either. The system is constantly learning and thus optimising its recognition performance.



Protection against loss: no more losing or forgetting keys – and it's impossible to accidentally lock yourself out. Individual reset codes can also optionally be created.

Tamper-proof: the switching relay is securely located inside. Tampering is not possible. A locking mechanism temporarily locks the system after multiple failed attempts to open the door.

Reliability: the robust design of the biometric reader ensures that fingers are reliably scanned regardless of temperature fluctuations, humidity and dirt.

Cleaning: the self-cleaning line sensor prevents latent fingerprints on the reader, so that it is impossible to copy them for nefarious purposes.

Suitable for outdoor use: the system is designed for reliable use at ambient temperatures of  $-20^{\circ}\text{C}$  to  $+70^{\circ}\text{C}$ .

Compatibility: suitable for optional operation of motorised locks, electric openers, peripheral devices, alarm systems or garage openers, thanks to preconfigured controllers.

Data protection: data transfer is encrypted and takes place via a secure pairing process between the door pull unit on the outside and the switching relay on the inside.

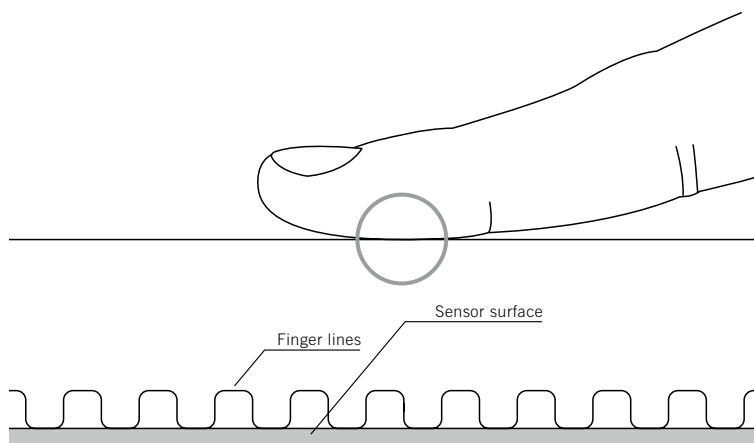
Locking: in combination with an electric opener or multipoint lock, the door is fully locked/unlocked each time it is closed/opened, respectively.

Customised: manufactured according to your wishes and requirements, with bracket dimensions as well as outsize lengths.

## Technical specifications

Relay	F1000 = 1	F2000 = 2
Recommended installation	Centre of scanner 1,200 mm above top edge of finished floor, connection on site by qualified specialist	
Input voltage	8–24 V AC	
Power consumption	Max. 1 watt	
Temperature range of scanner	$-20^{\circ}\text{C}$ to $+70^{\circ}\text{C}$	
Humidity	Max. 95%	
Biometric parameters	FAR* $1 \times 10^{-6}$ with FRR** $3 \times 10^{-2}$	

\* FAR = False Acceptance Rate: the system recognising someone who has not been registered yet.  
\*\* FRR = False Rejection Rate: the system not recognising someone who has been registered already.



8b

# Door pulls with Fingerscan

## Round FSB Fingerscan

■ Aluminium  
■ Stainless steel  
■ Bronze

24 6607  

Grip cross-section  $\varnothing$  35 mm

A: 300 mm – 1,500 mm with 2 brackets  
B: 150 mm – 1,350 mm with 2 brackets

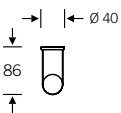
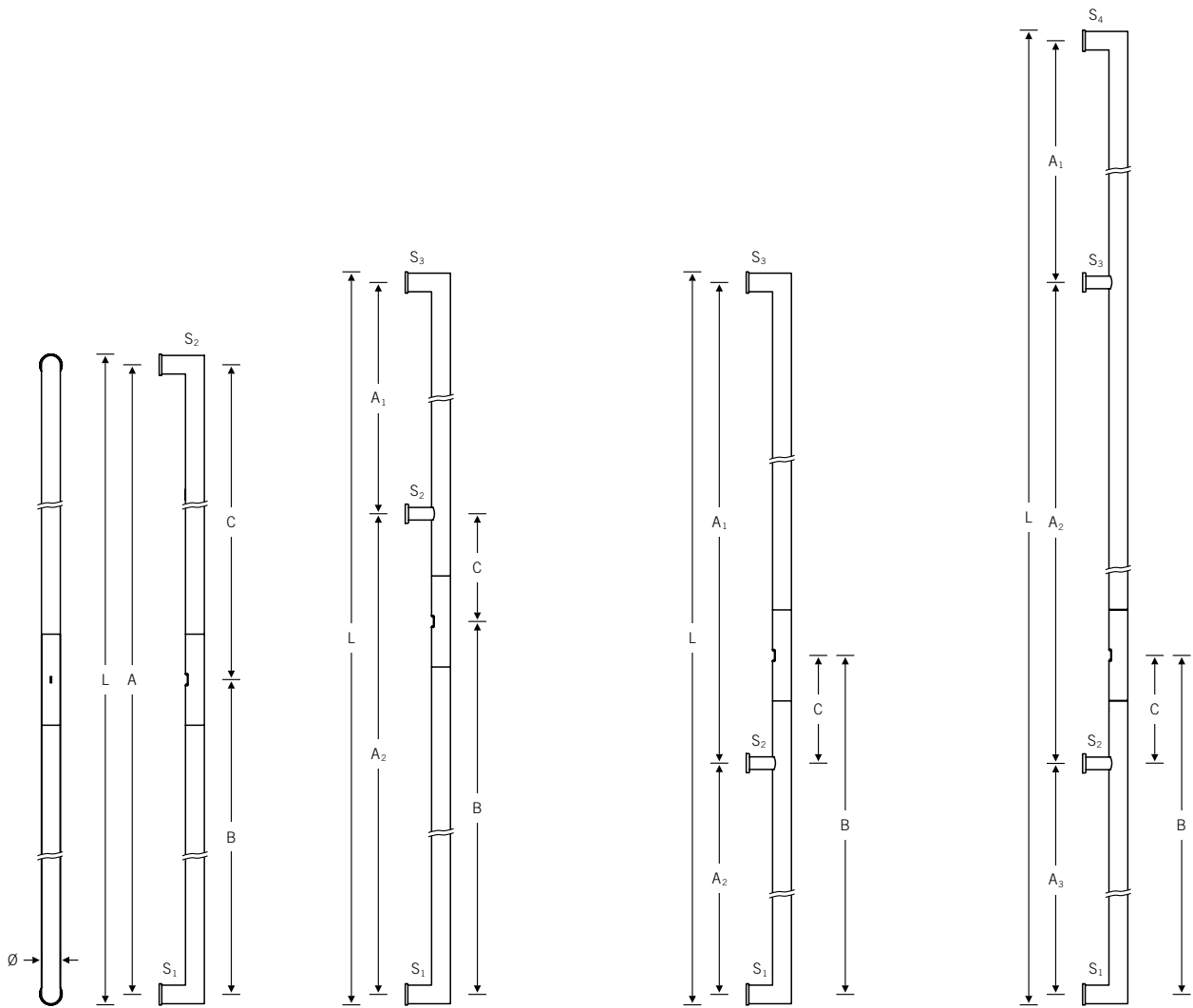
Multipoint brackets in outsize lengths available

Safety clearance (S) = 57 mm,  
see page 690



# Door pulls with Fingerscan

## Round FSB Fingerscan



24 6607 02000  
with 2 brackets

- A 300–1,500 mm
- C 150–1,350 mm
- B 150–1,350 mm
- L A + 40 mm

24 6607 03000  
with 3 brackets  
Reader below the middle  
bracket

- A<sub>1</sub> 100–1,200 mm
- A<sub>2</sub> 300–1,200 mm
- C 150–1,050 mm
- B 150–1,050 mm
- L A<sub>1</sub> + A<sub>2</sub> + 40 mm

24 6607 03100  
with 3 brackets  
Reader above the middle  
bracket

- A<sub>1</sub> 300–1,200 mm
- A<sub>2</sub> 100–1,200 mm
- C 150–1,050 mm
- B 250–2,250 mm
- L A<sub>1</sub> + A<sub>2</sub> + 40 mm

24 6607 04000  
with 4 brackets

- A<sub>1</sub> 100–1,200 mm
- A<sub>2</sub> 300–1,200 mm
- A<sub>3</sub> 100–1,200 mm
- C 150–1,050 mm
- B 250–2,250 mm
- L A<sub>1</sub> + A<sub>2</sub> + A<sub>3</sub> + 40 mm

8b

# Door pulls with Fingerscan

## Round FSB Fingerscan

■ Aluminium  
■ Stainless steel  
■ Bronze

24 6531 ■

Grip cross-section  $\varnothing$  35 mm

A: 300 mm – 1,200 mm with 2 brackets  
B: 150 mm – 1,050 mm with 2 brackets

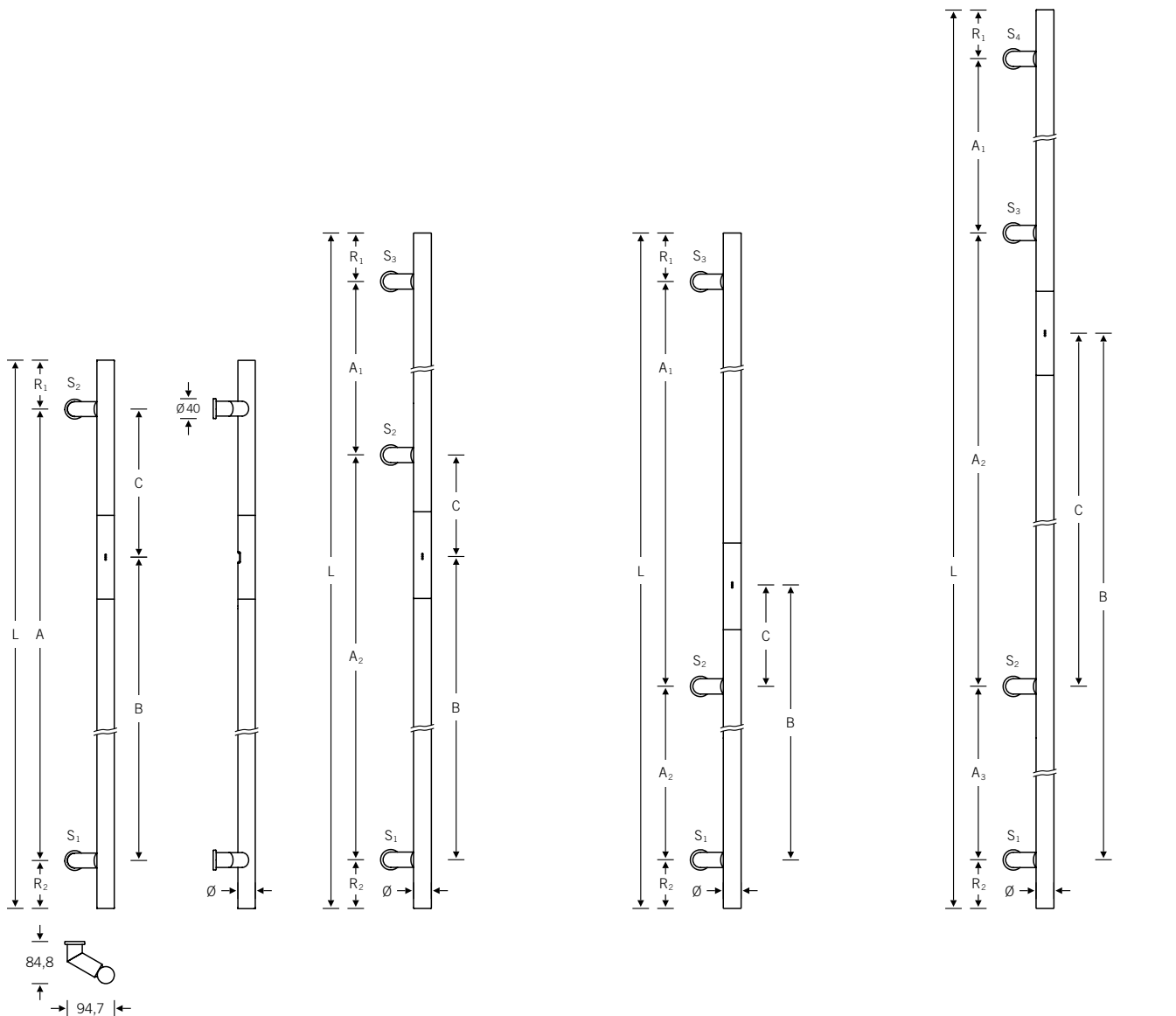
Multipoint brackets in outsize lengths available

Pictured: RH variant



# Door pulls with Fingerscan

## Round FSB Fingerscan



24 6531 02000 RH  
24 6531 02001 LH  
with 2 brackets

$R_1$  30–350 mm  
 $R_2$  30–350 mm  
A 300–1,200 mm  
C 150–1,050 mm  
B 150–1,050 mm  
L  $R_1 + A_1 + R_2$

24 6531 03000 RH  
24 6531 03001 LH  
with 3 brackets  
Reader below the middle  
bracket

$R_1$  30–350 mm  
 $R_2$  30–350 mm  
 $A_1$  100–1,200 mm  
 $A_2$  300–1,200 mm  
C 150–1,050 mm  
B 150–1,050 mm  
L  $R_1 + A_1 + A_2 + R_2$

24 6531 03100 RH  
24 6531 03101 LH  
with 3 brackets  
Reader above the middle  
bracket

$R_1$  30–350 mm  
 $R_2$  30–350 mm  
 $A_1$  300–1,200 mm  
 $A_2$  100–1,200 mm  
C 150–1,050 mm  
B 250–2,250 mm  
L  $R_1 + A_1 + A_2 + R_2$

24 6531 04000 RH  
24 6531 04001 LH  
with 4 brackets

$R_1$  30–350 mm  
 $R_2$  30–350 mm  
 $A_1$  100–1,200 mm  
 $A_2$  300–1,200 mm  
 $A_3$  100–1,200 mm  
C 150–1,050 mm  
B 250–2,250 mm  
L  $R_1 + A_1 + A_2 + A_3 + R_2$

8b



# Door pulls with Fingerscan

## Round FSB Fingerscan

■ Aluminium  
■ Stainless steel  
■ Bronze

24 6582 ■

Grip cross-section  $\varnothing$  35 mm

A: 300 mm – 1,200 mm with 2 brackets

B: 150 mm – 1,050 mm with 2 brackets

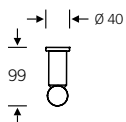
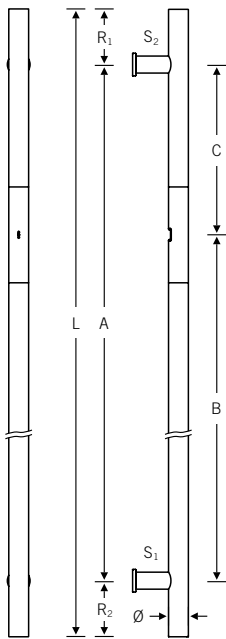
Multipoint brackets in outsize lengths available

Safety clearance (S) = 58 mm,  
see page 690



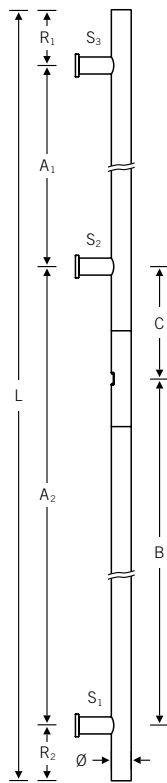
# Door pulls with Fingerscan

## Round FSB Fingerscan



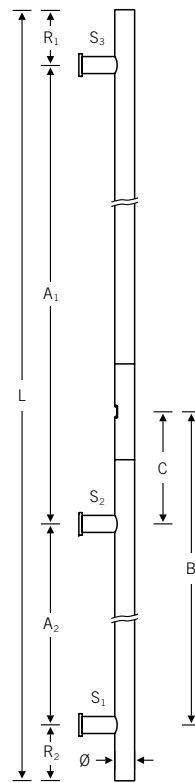
24 6582 02000  
with 2 brackets

$R_1$  30–350 mm  
 $R_2$  30–350 mm  
 $A$  300–1,200 mm  
 $C$  150–1,050 mm  
 $B$  150–1,050 mm  
 $L$   $R_1 + A_1 + R_2$



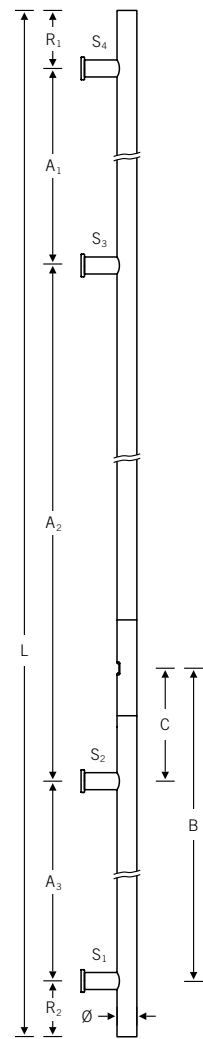
24 6582 03000  
with 3 brackets  
Reader below the middle  
bracket

$R_1$  30–350 mm  
 $R_2$  30–350 mm  
 $A_1$  100–1,200 mm  
 $A_2$  300–1,200 mm  
 $C$  150–1,050 mm  
 $B$  150–1,050 mm  
 $L$   $R_1 + A_1 + A_2 + R_2$



24 6582 03100  
with 3 brackets  
Reader above the middle  
bracket

$R_1$  30–350 mm  
 $R_2$  30–350 mm  
 $A_1$  300–1,200 mm  
 $A_2$  100–1,200 mm  
 $C$  150–1,050 mm  
 $B$  250–2,250 mm  
 $L$   $R_1 + A_1 + A_2 + R_2$



24 6582 04000  
with 4 brackets

$R_1$  30–350 mm  
 $R_2$  30–350 mm  
 $A_1$  100–1,200 mm  
 $A_2$  300–1,200 mm  
 $A_3$  100–1,200 mm  
 $C$  150–1,050 mm  
 $B$  250–2,250 mm  
 $L$   $R_1 + A_1 + A_2 + A_3 + R_2$