Grade 13 Fire Rated Door Hinge

Fixed pin / Five knuckles / Two ball bearings

RIVO PRODUCT CODES / SATIN STAINLESS STEEL

PRODUCT CODE	H x W (inches)	H x W (mm)	THICKNESS
RV-HG-100-4030-SSS	4 x 3		
RV-HG-100-4035-SSS	4 x 3.5		
RV-HG-100-4040-SSS	4 x 4		
RV-HG-100-4540-SSS	4.5 x 4		
RV-HG-100-4545-SSS	4.5 x 4.5		
RV-HG-100-5030-SSS	5 x 3		



TECHNICAL SPECIFICATIONS

Pin	**Fixed pin**
Knuckles	**5 knuckles / 14.2 mm diameter**
Bearings	**2 ball bearings (2BB)**
Hole pattern	**C-shaped template holes**
Leaves	**Stainless steel 304**
End caps and internal pin	**Stainless steel 304**
Ball bearings and balls	**Stainless steel 304**
Supplied screws	**8 stainless steel 304 screws**
Screw options	**Wood or machine screws**
Material options	**SS201 / SS316 also available**

AVAILABLE FINISHES

SSS (satin stainless steel), Black, Gold, AB (antique brass) and other finishes.

Other finishes available upon request. Product codes above identify the SSS finish.

Size codes encode nominal height and width in inches: 4030 = 4.0 x 3.0 inches.

All listed variants are 3 mm thick with two ball bearings. Dimensions in mm are inch conversions.

Performance & Construction

RV-HG-100 / Fixed-pin ball bearing hinge

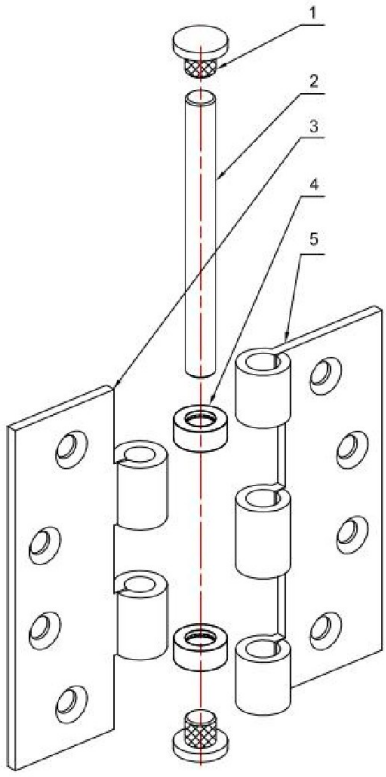
SOURCE-STATED CERTIFICATION & PERFORMANCE

CE marked / EN 1935 Grade 13.

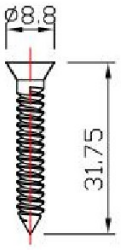
Durability: 200,000 life cycles at 120 kg.

Fire performance: EN 1634 fire-resistance test with a 260-minute rating.

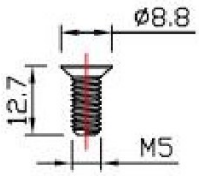
CONSTRUCTION & FIXINGS



EXPLODED VIEW



Wooden screws
8 pcs



Machine screws
8 pcs

ALTERNATIVE SCREW OPTIONS

Wood screws or M5 machine screws.

DRAWING DETAILS

Source fixing dimensions: wood screw head diameter 8.8 mm, length 31.75 mm;
machine screw head diameter 8.8 mm, M5 thread, length 12.7 mm. Supplied quantity: 8.

Performance claims are reproduced from the supplied manufacturer datasheet.

Separate certificates and full test reports were not supplied with this attachment.

Euro Profile Mortise Sash Lock

DIN profile / 72 mm centres / Reversible latch



RIVO PRODUCT CODES / SATIN STAINLESS STEEL

RV-LK-100-5572-SSS	55 mm backset / 72 mm centres
RV-LK-100-6072-SSS	60 mm backset / 72 mm centres
RV-LK-100-6572-SSS	65 mm backset / 72 mm centres
RV-LK-100-7072-SSS	70 mm backset / 72 mm centres
RV-LK-100-8072-SSS	80 mm backset / 72 mm centres

TECHNICAL SPECIFICATIONS

Application	**Commercial and residential**
Door types	**Timber and metal; fire/smoke resistant***
Handing	**Non-handed; reversible latch**
Deadbolt	**2 turns / 20 mm throw**
Follower	**8 x 8 mm square; anti-rattle**
Forend	**235 mm long; 20 / 22 / 24 mm wide**
Forend corners	**Square or round**
Bolt-through fixing	**38 mm centres for handles/escutcheons**
Cylinder compatibility	**Euro profile**
Standard strike	**Flat strike plate**
Strike options	**Bent lip / anti-rattle**
Supplied fixings	**Stainless steel screws and strike box**
Screw options	**Wood screws or machine screws**

MATERIAL & FINISHES

SS304 latch, deadbolt, follower, forend and strike plate. SUS316 available upon request.

Satin stainless steel (US32D / 630), PSS, PVD, GOLD, AB, AC, BLACK.

Other finishes available upon request. Product codes above identify the SSS finish.

* Source-stated fire performance and technical drawing are provided on page 2.

Performance & Technical Details

RV-LK-100 / 72 mm centres

SOURCE-STATED CERTIFICATION & PERFORMANCE

CE marked; tested to EN 12209:2003.

Durability: 200,000 latchbolt cycles / 50,000 deadbolt cycles.

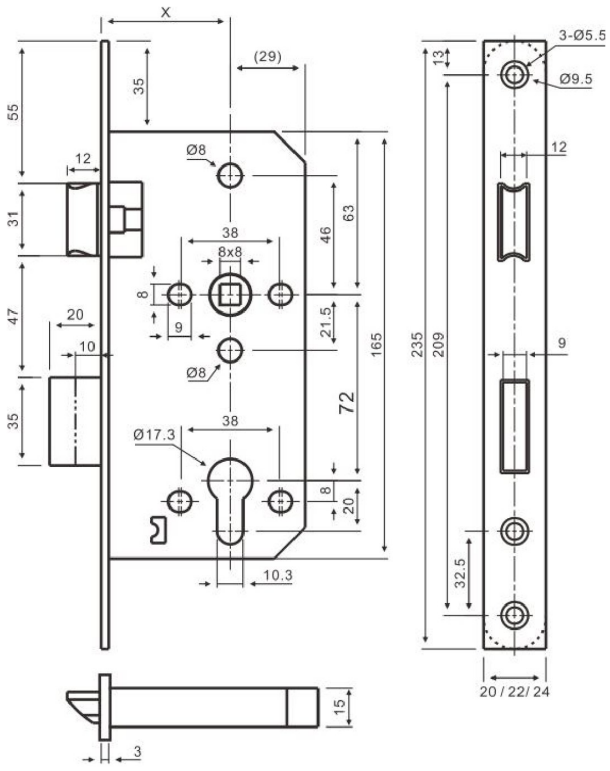
EN 1634-1 fire testing: up to 260 minutes for metal doors and 111 minutes for timber doors.

EN 12209 classification as printed in the source:

3 | X | 9 | 1b | 0 | G | 3 | B | C | 2 | 0

DIMENSIONAL DRAWING

Dimensions in mm



X = backset: 55 / 60 / 65 / 70 / 80 mm.

OPERATION

Lever handles operate the latch from either side. The cylinder operates the deadbolt and latch.

Deadbolt operation from one or both sides depends on the cylinder fitted; deadbolt requires 2 turns.

Performance claims and classification are reproduced from the supplied manufacturer datasheet.

Separate certificates and full test reports were not supplied with this attachment.

Euro Profile Mortise Sash Lock

RIVO PRODUCT CODES / SATIN STAINLESS STEEL

RV-LK-120-2085-SSS	20 mm backset / 85 mm centres*
RV-LK-120-2585-SSS	25 mm backset / 85 mm centres*
RV-LK-120-3085-SSS	30 mm backset / 85 mm centres*



TECHNICAL SPECIFICATIONS

Application	**Aluminum doors**
Deadbolt operation	**1 turn**
Centre-to-centre distance	**85 mm***
Backset options	**20 / 25 / 30 mm***
Forend & strike plate	**S201 stainless steel**
Latch bolt & deadbolt	**Zinc alloy**

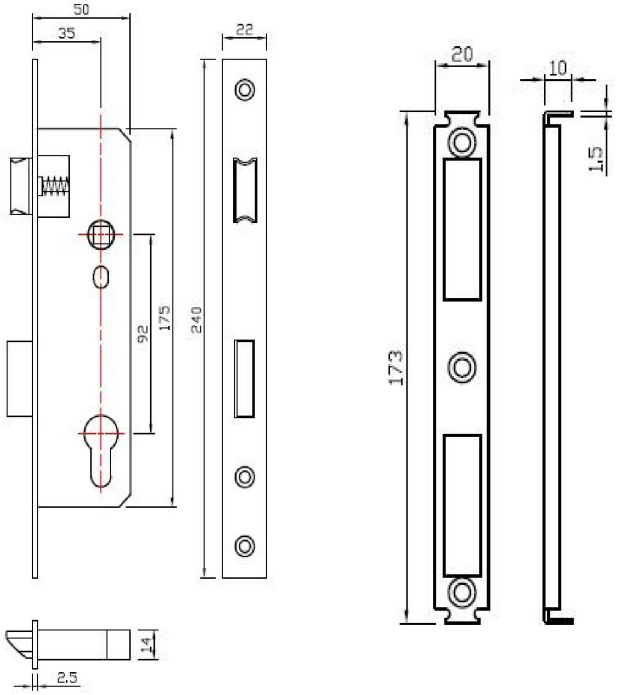
AVAILABLE FINISHES

Satin stainless steel (US32D / 630), PSS, PVD, GOLD, AB, AC, BLACK.

SSS = satin stainless steel. Other finishes available upon request.

DIMENSIONAL DRAWING

Source drawing reproduced for reference



*** DIMENSION VERIFICATION REQUIRED**

Source specifications list 85 mm centres and 20 / 25 / 30 mm backsets; the drawing shows 92 mm centres and 35 mm backset. Confirm dimensions before ordering or installation.

Hemisphere Door Stopper

RV-AC-200-46-SSS

Floor mounted / Stainless steel 304

TECHNICAL SPECIFICATIONS

Mounting	**Floor mounted**
Diameter	**46 mm**
Height	**26 mm**
Standard material	**Stainless steel 304**
Optional materials	**SS316 / SS201 on request**
Standard finish	**Satin stainless steel**
Finish reference	**US32D / 630**
Fixings	**Supplied with screws**



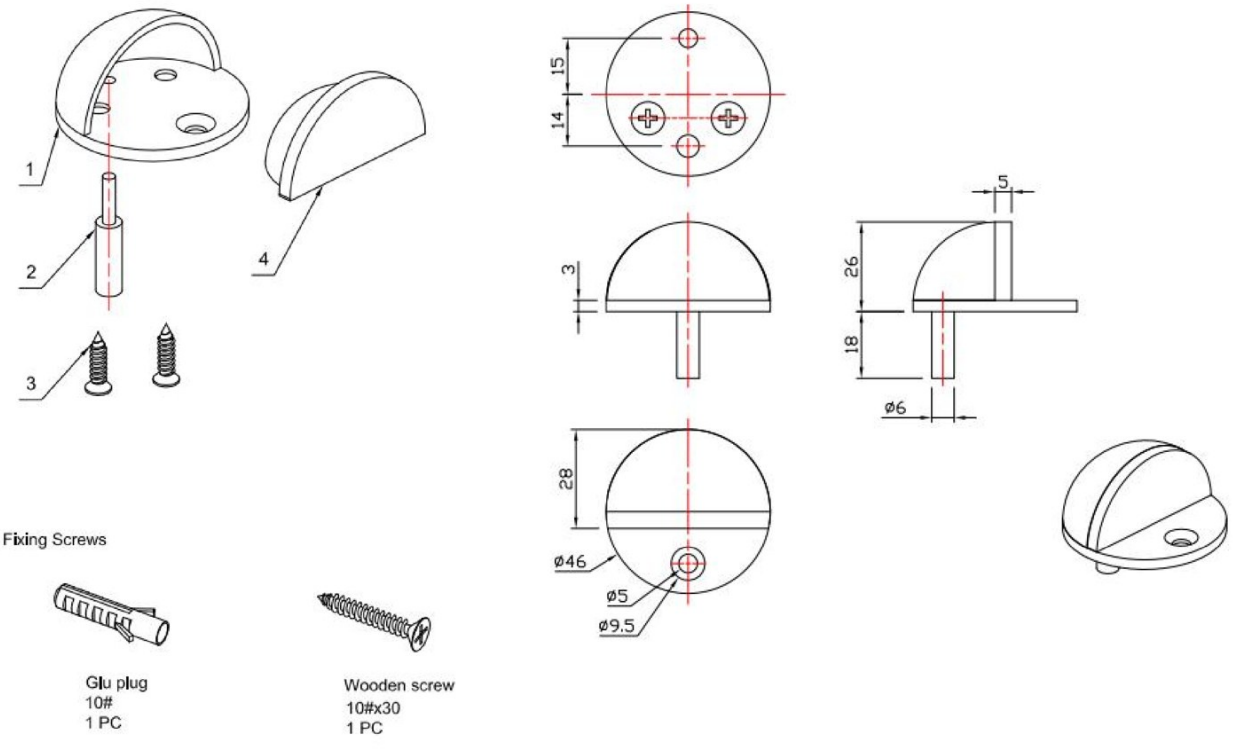
AVAILABLE FINISHES

Satin stainless steel (SSS), PSS, PVD, GOLD, AB, AC, BLACK.

Other finishes available upon request. The product code identifies the SSS finish.

DIMENSIONAL DRAWING & FIXINGS

Dimensions in mm



Euro Key/Key Cylinder

RV-CY-100-3535-SN

Key operation on both sides

TECHNICAL SPECIFICATIONS

Overall length	**70 mm**
Split size	**35 / 35 mm**
Material	**All brass**
Standard finish	**Satin nickel (SN)**
Pin count	**6 pins**
Keying	**Keyed to differ**
Master key system	**Non-master system**



FINISHES & ACCESSORIES

Satin nickel, chrome, Black, AB (antique brass), AC and other finishes.

3 brass keys (2.2 mm thick); 65 mm fastening screw for a 55 mm backset lock body.

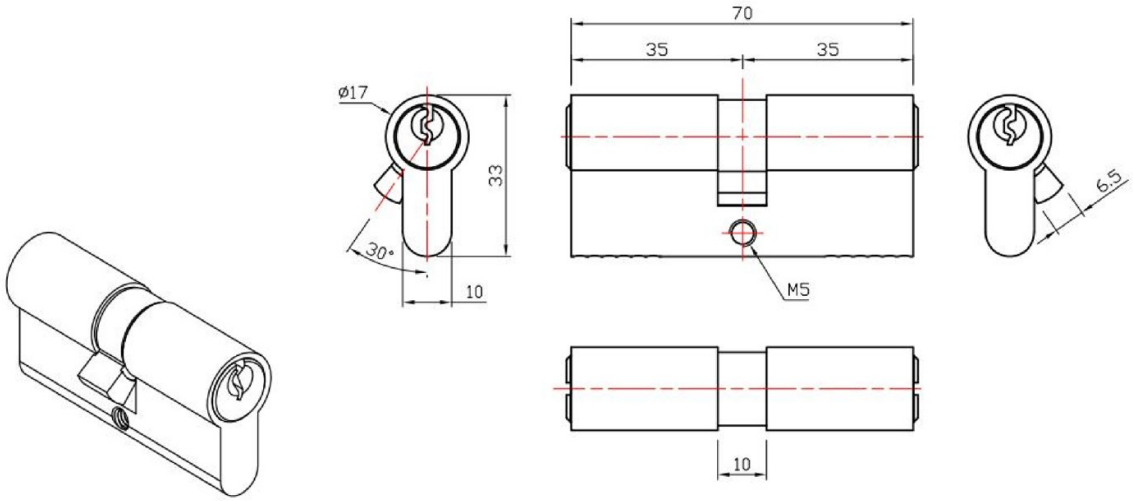
SOURCE-STATED PERFORMANCE

EN 1303 / 100,000 life cycles

Fire performance: 183 minutes on a wooden composite fire door.

DIMENSIONAL DRAWING

Dimensions in mm



Performance claims are reproduced from the supplied manufacturer datasheet.

A separate test certificate and full EN 1303 classification were not supplied.

Euro Turn/Key Cylinder

RV-CY-110-3535-SN

Thumbturn one side / Key opposite side

TECHNICAL SPECIFICATIONS

Overall length	**70 mm**
Split size	**35 / 35 mm**
Material	**All brass**
Standard finish	**Satin nickel (SN)**
Pin count	**6 pins**
Keying	**Keyed to differ**
Master key system	**Non-master system**



FINISHES & ACCESSORIES

Satin nickel, chrome, Black, AB (antique brass), AC and other finishes.

3 brass keys (2.2 mm thick); 65 mm fastening screw for a 55 mm backset lock body.

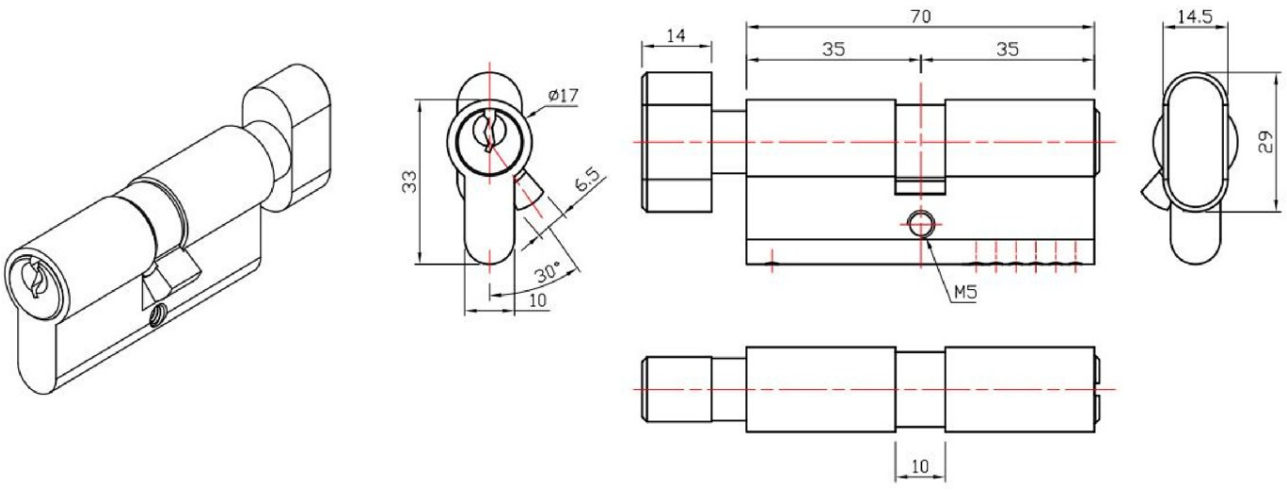
SOURCE-STATED PERFORMANCE

EN 1303 / 100,000 life cycles

Fire performance: 183 minutes on a wooden composite fire door.

DIMENSIONAL DRAWING

Dimensions in mm



Performance claims are reproduced from the supplied manufacturer datasheet.

A separate test certificate and full EN 1303 classification were not supplied.

Euro Bathroom Cylinder

RV-CY-120-3535-SN

Thumbturn / Emergency release

TECHNICAL SPECIFICATIONS

Overall length	**70 mm**
Split size	**35 / 35 mm**
Material	**All brass**
Standard finish	**Satin nickel (SN)**
Internal operation	**Thumbturn**
External operation	**Emergency release**



FINISHES & ACCESSORIES

Satin nickel, chrome, Black, AB (antique brass), AC and other finishes.

65 mm fastening screw for a 55 mm backset lock body, as specified in the source.

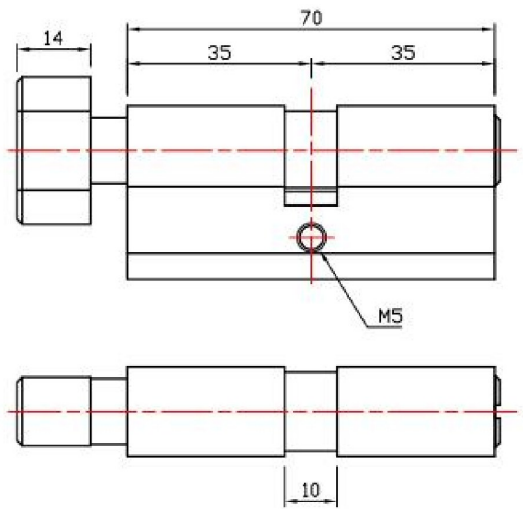
SOURCE-STATED PERFORMANCE

EN 1303 / 100,000 life cycles

No fire-performance rating is stated in the supplied bathroom cylinder sheet.

DIMENSIONAL DRAWING

Dimensions in mm



ACCESSORY CLARIFICATION

The source also lists 3 brass keys, which conflicts with the turn/emergency-release function.

Confirm accessory contents. Selected drawing views shown; EN 1303 claim is source-stated.

Fire Rated Concealed Door Closer

RV-DC-300-EN24-SI

EN 2-4 / Non-hold-open / Silver finish

TECHNICAL SPECIFICATIONS

Power size	**EN 2-4**
Door weight range	**25-80 kg**
Maximum door width	**1,100 mm**
Arm type	**Regular arm**
Hold-open function	**Non-hold-open**
Speed adjustment	**Closing and latching**
Material	**Aluminium**
Finish	**Silver (SI)**



FIRE PERFORMANCE

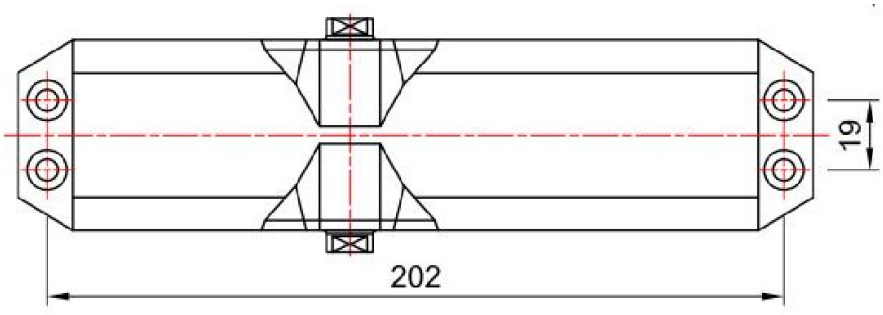
UL 10C / 3-hour fire rating

As stated in the supplied manufacturer datasheet.

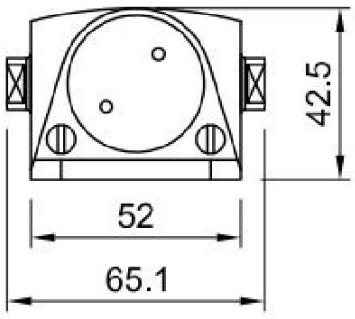
DIMENSIONS & FIXING DETAILS

Dimensions in mm

Overall length: 218 mm | Body length: 188 mm | Width: 65.1 mm | Height: 42.5 mm



BASE / FIXING VIEW



END VIEW

PRODUCT INFORMATION

Concealed door closer with regular arm and independently adjustable closing and latching speeds.

Selected dimensional views reproduced from the supplied product drawing.

Fire-performance claim reproduced from the source datasheet; a test certificate was not supplied.

Hollow Lever Handle on Plate

RV-HD-100-17072-SSS

Square plate / 72 mm centres / Stainless steel 304

TECHNICAL SPECIFICATIONS

Plate size	**170 x 170 x 1.5 mm**
Lever size	**22 mm diameter x 140 mm long**
Centres (drawing)	**72 mm**
Projection (drawing)	**60 mm**
Standard material	**Stainless steel 304**
Optional materials	**SS316 / SS201 on request**
Supplied fixings	**Machine or wood screws (one type)**



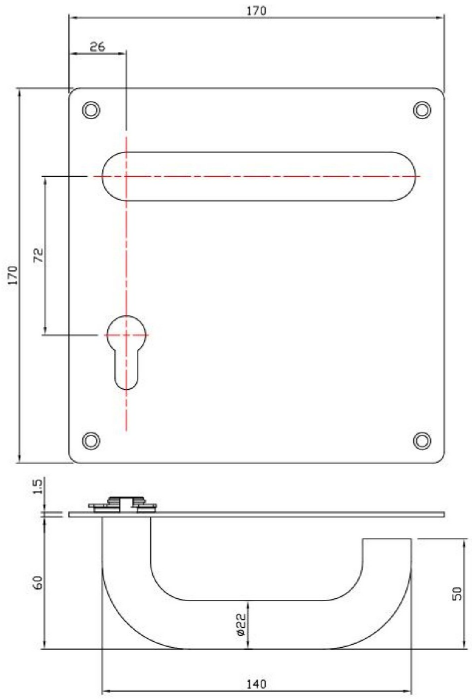
AVAILABLE FINISHES

Satin stainless steel (US32D / 630), PSS, PVD, GOLD, AB, AC, BLACK.

Other finishes available upon request. Product code identifies the SSS finish.

DIMENSIONAL DRAWING

Dimensions in mm



Select the required screw type when ordering.

No technical standard, certification or fire-performance rating is stated in the supplied sheet.

Solid Lever Handle

RV-HD-200-130-SSS

Sprung type / Round rose

TECHNICAL SPECIFICATIONS

Handle size (L x H)	**130 x 45 mm**
Rosette size	**Diameter 53 x 9 mm high**
Construction	**Solid lever, sprung type**
Material options	**SS304 / SS201 / SS316**
Spindle	**8 x 8 x 110 mm**



FINISHES

SSS (satin stainless steel), Black, Gold, AB (antique brass).

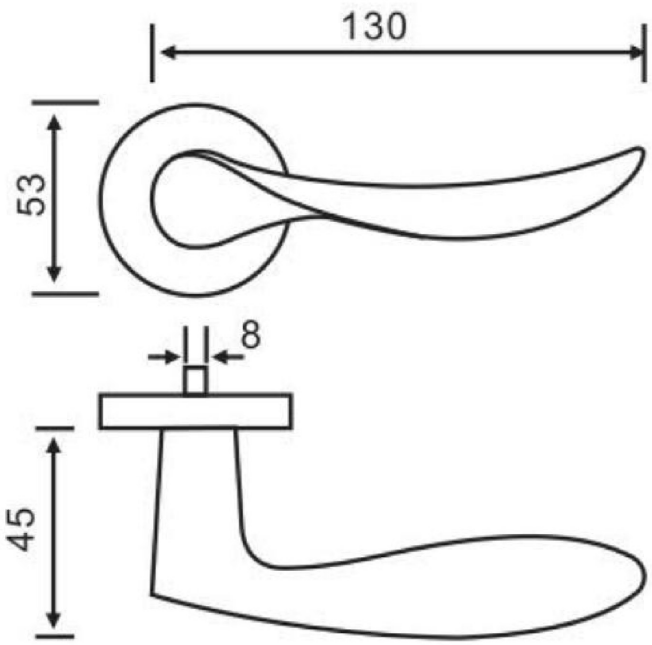
Other finishes available upon request. Product code above identifies the SSS finish.

SUPPLIED ACCESSORIES

2 rosettes with 2 bases; 2 escutcheons with 2 bases; 1 spindle (8 x 8 x 110 mm);
1 Allen key; 4 bolt-through screws; 4 wood screws.

DIMENSIONAL DRAWING

Dimensions in mm



SPECIFICATION NOTES

Specify the required stainless steel grade when ordering. The supplied source sheet does not state a technical standard, certification, fire rating or tested durability classification.

Solid Lever Handle

RV-HD-210-126-SSS

Sprung type / Round rose

TECHNICAL SPECIFICATIONS

Handle size (L x H)	**126 x 54 mm**
Rosette size	**Diameter 53 x 9 mm high**
Construction	**Solid lever, sprung type**
Material options	**SS304 / SS201 / SS316**
Spindle	**8 x 8 x 110 mm**



FINISHES

SSS (satin stainless steel), Black, Gold, AB (antique brass).

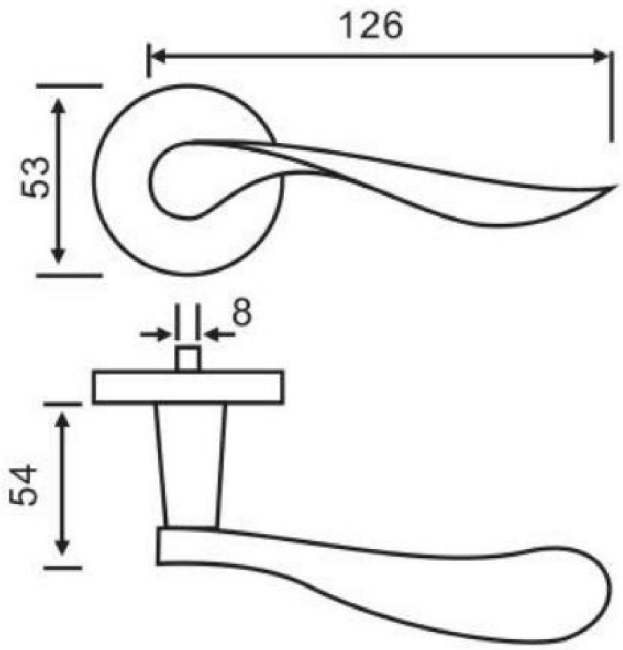
Other finishes available upon request. Product code above identifies the SSS finish.

SUPPLIED ACCESSORIES

2 rosettes with 2 bases; 2 escutcheons with 2 bases; 1 spindle (8 x 8 x 110 mm);
1 Allen key; 4 bolt-through screws; 4 wood screws.

DIMENSIONAL DRAWING

Dimensions in mm



SPECIFICATION NOTES

Specify the required stainless steel grade when ordering. The supplied source sheet does not state a technical standard, certification, fire rating or tested durability classification.

Solid Lever Handle

RV-HD-220-137-SSS

Sprung type / Round rose

TECHNICAL SPECIFICATIONS

Handle size (L x H)	**137 x 50 mm**
Rosette size	**Diameter 53 x 9 mm high**
Construction	**Solid lever, sprung type**
Material options	**SS304 / SS201 / SS316**
Spindle	**8 x 8 x 110 mm**



FINISHES

SSS (satin stainless steel), Black, Gold, AB (antique brass).

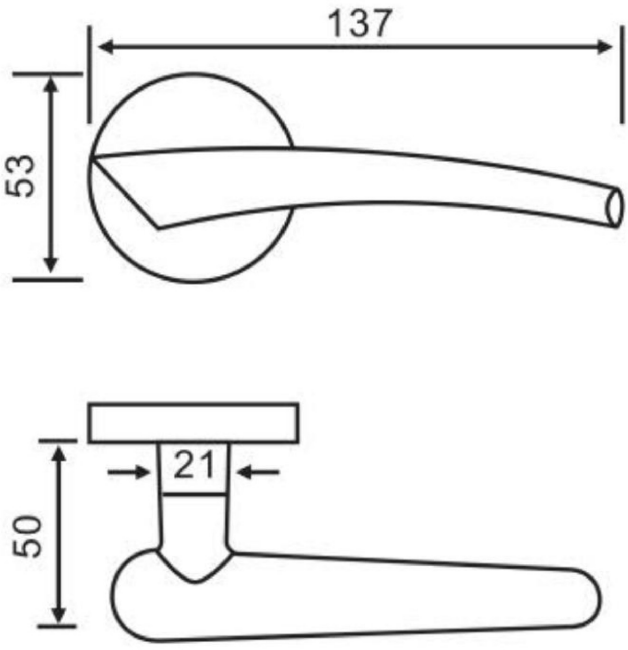
Other finishes available upon request. Product code above identifies the SSS finish.

SUPPLIED ACCESSORIES

2 rosettes with 2 bases; 2 escutcheons with 2 bases; 1 spindle (8 x 8 x 110 mm);
1 Allen key; 4 bolt-through screws; 4 wood screws.

DIMENSIONAL DRAWING

Dimensions in mm



SPECIFICATION NOTES

Specify the required stainless steel grade when ordering. The supplied source sheet does not state a technical standard, certification, fire rating or tested durability classification.

Hollow Lever Handle

RV-HD-300-135-SSS

19 mm lever diameter / Sprung type / Round rose

TECHNICAL SPECIFICATIONS

Handle size (L x H)	**135 x 60 mm**
Rosette size	**Diameter 53 x 9 mm high**
Construction	**Hollow lever, sprung type**
Material options	**SS304 / SS201 / SS316**
Spindle	**8 x 8 x 110 mm**



FINISHES

SSS (satin stainless steel), Black, Gold, AB (antique brass).

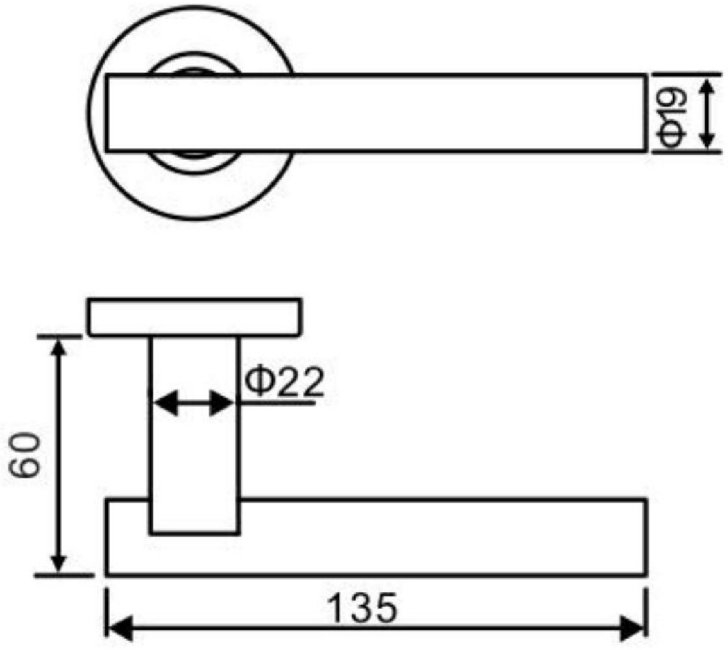
Other finishes available upon request. Product code above identifies the SSS finish.

SUPPLIED ACCESSORIES

2 rosettes with 2 bases; 2 escutcheons with 2 bases; 1 spindle (8 x 8 x 110 mm);
1 Allen key (3 mm); 4 bolt-through screws (M4 x 60 mm); 4 wood screws (ST4.2 x 25 mm).

DIMENSIONAL DRAWING

Dimensions in mm



SPECIFICATION NOTES

Specify the required stainless steel grade when ordering. The supplied source sheet does not state a technical standard, certification, fire rating or tested durability classification.

Window Handle

RV-HD-400-135-SSS

Sprung type / 135 mm lever / Oval rose

TECHNICAL SPECIFICATIONS

Operation	**Sprung type**
Lever size	**19 mm diameter x 135 mm long**
Rosette size	**32 x 69 mm**
Rosette depth (drawing)	**14 mm**
Projection (drawing)	**50 mm from rose face**
Spindle (drawing)	**7 x 7 mm square**
Material options	**SS304 / SS201 / SS316**



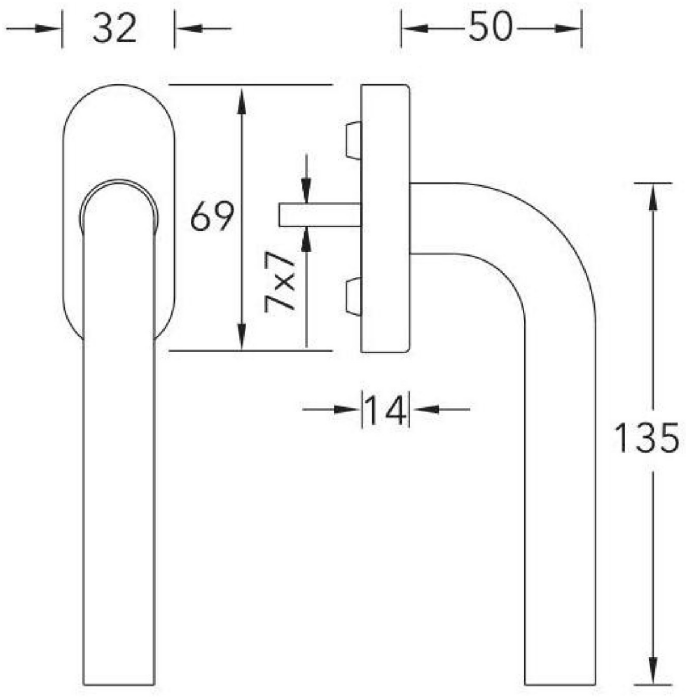
AVAILABLE FINISHES

SSS (satin stainless steel), Black, Gold, AB (antique brass) and other finishes.

Other finishes available upon request. Product code identifies the SSS finish.

DIMENSIONAL DRAWING

Dimensions in mm



Specify the required stainless steel grade when ordering.

No technical standard, certification or fire-performance rating is stated in the supplied sheet.