

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	101.6 x 76.2	3 mm
RV-HG-100-4035-SSS	4 x 3.5	101.6 x 88.9	3 mm
RV-HG-100-4040-SSS	4 x 4	101.6 x 101.6	3 mm
RV-HG-100-4540-SSS	4.5 x 4	114.3 x 101.6	3 mm
RV-HG-100-4545-SSS	4.5 x 4.5	114.3 x 114.3	3 mm
RV-HG-100-5030-SSS	5 x 3	127.0 x 76.2	3 mm

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

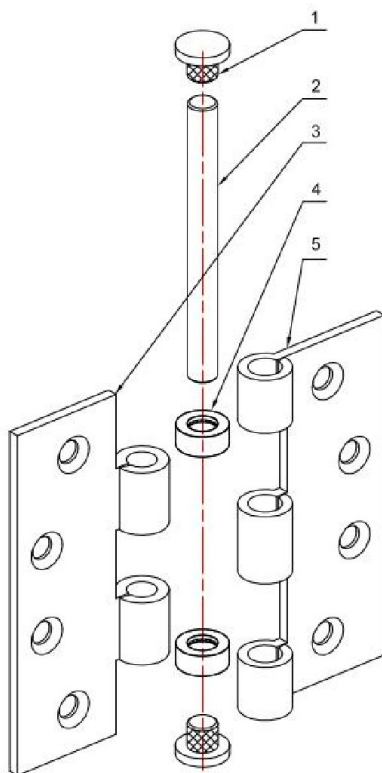
SOURCE-STATED CERTIFICATION & PERFORMANCE

CE marked / EN 1935 Grade 13.

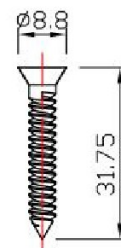
Durability: 200,000 life cycles at 120 kg.

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

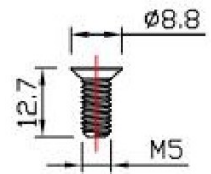
CONSTRUCTION & FIXINGS



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.

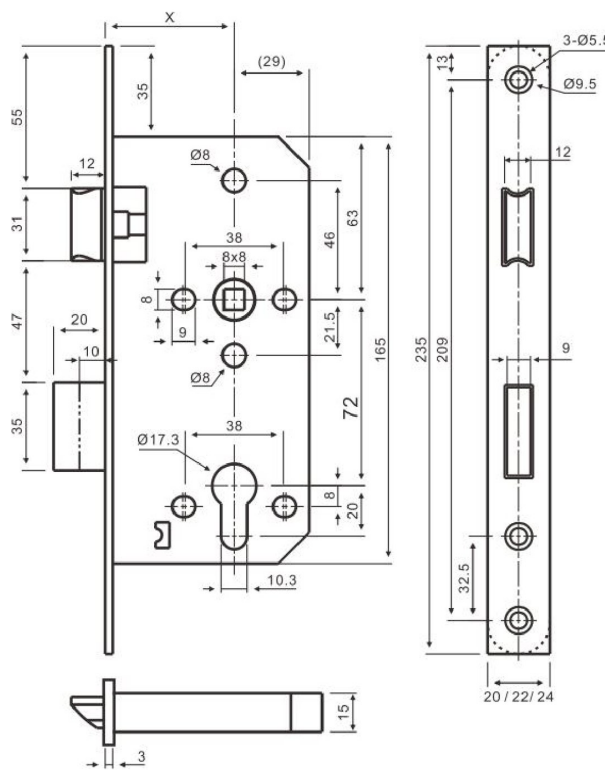
EN 1634-1 fire testing: up to 260 minutes for metal doors and 111 minutes for timber doors.

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



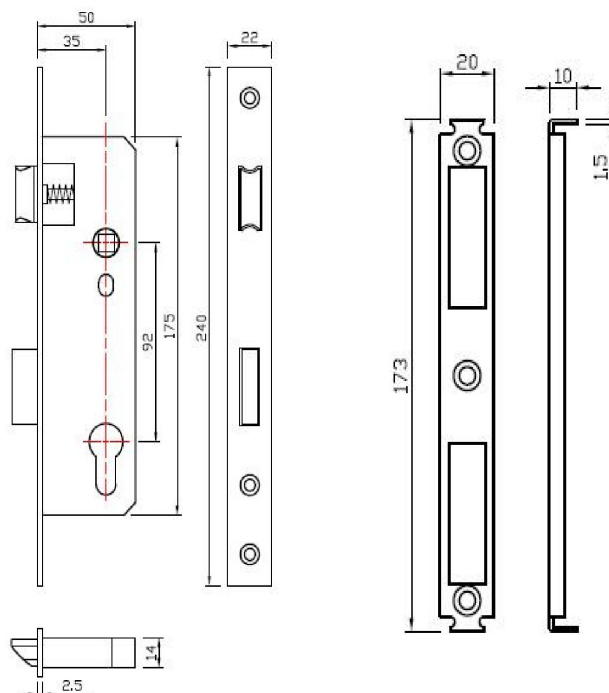
AVAILABLE FINISHES

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



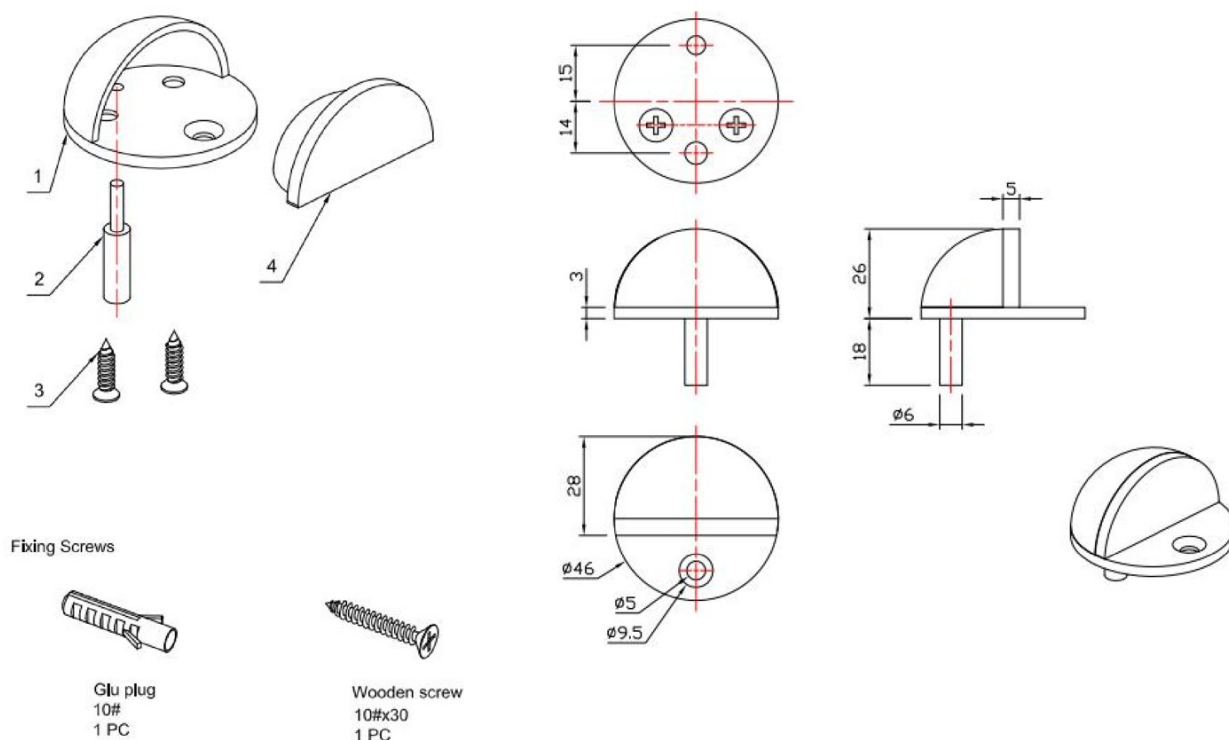
AVAILABLE FINISHES

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.

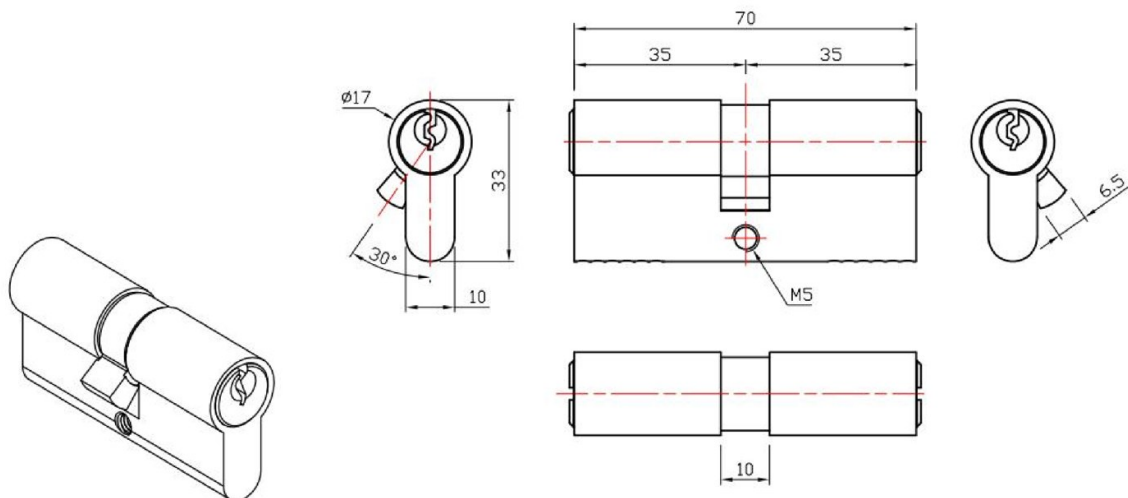
SOURCE-STATED PERFORMANCE

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.

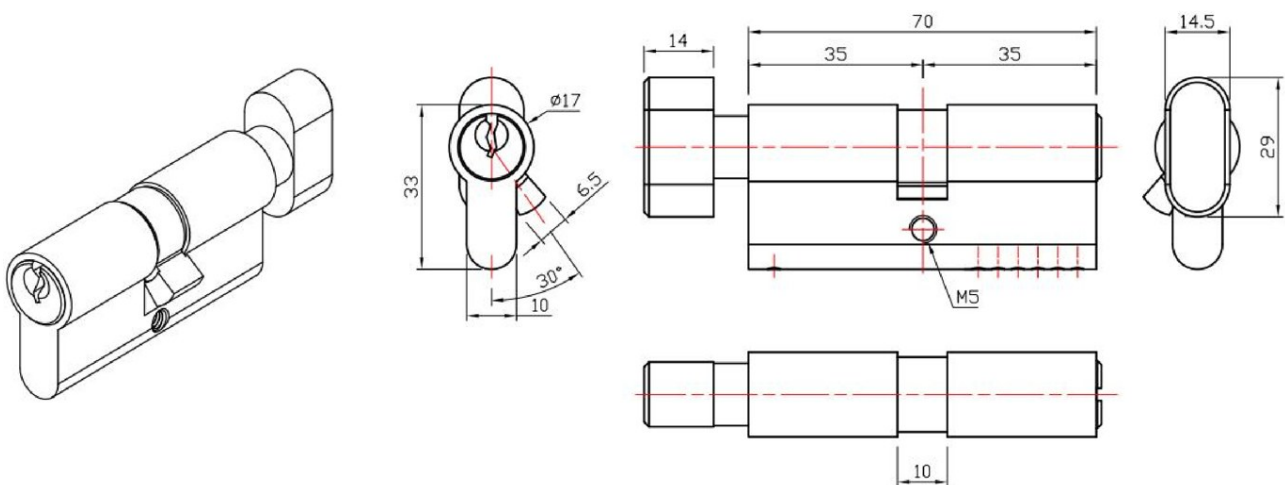
SOURCE-STATED PERFORMANCE

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.

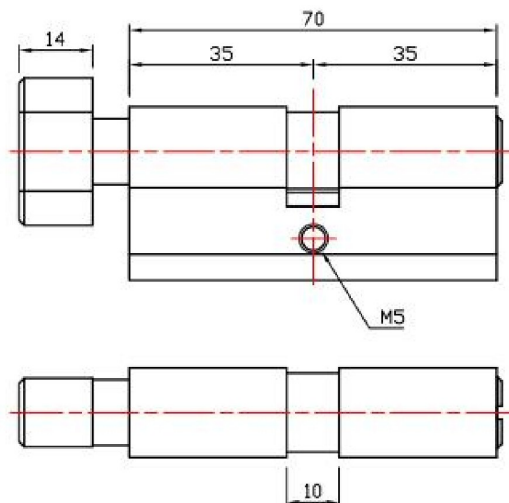
SOURCE-STATED PERFORMANCE

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

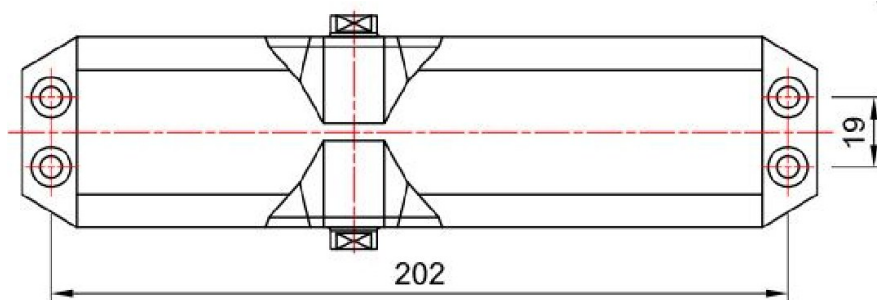
UL 10C / 3-hour fire rating

As stated in the supplied manufacturer datasheet.

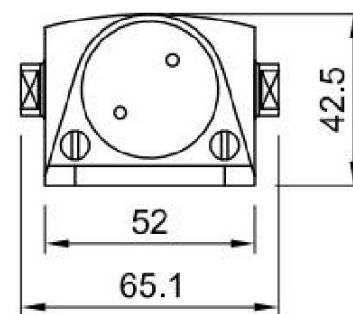
DIMENSIONS & FIXING DETAILS

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)



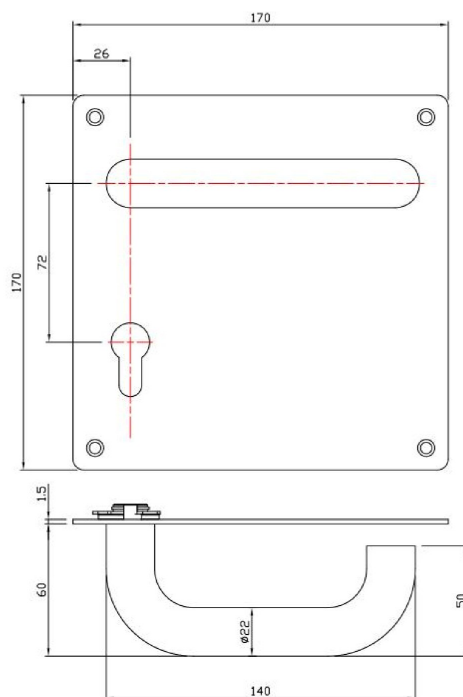
AVAILABLE FINISHES

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.

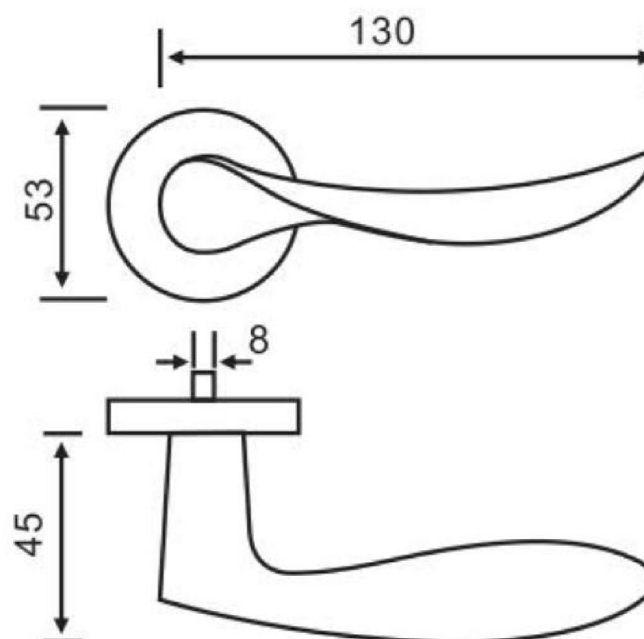
SUPPLIED ACCESSORIES

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.

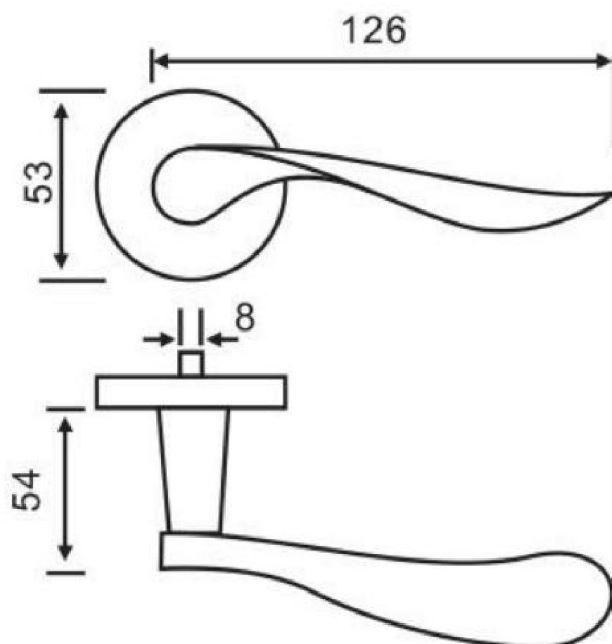
SUPPLIED ACCESSORIES

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.

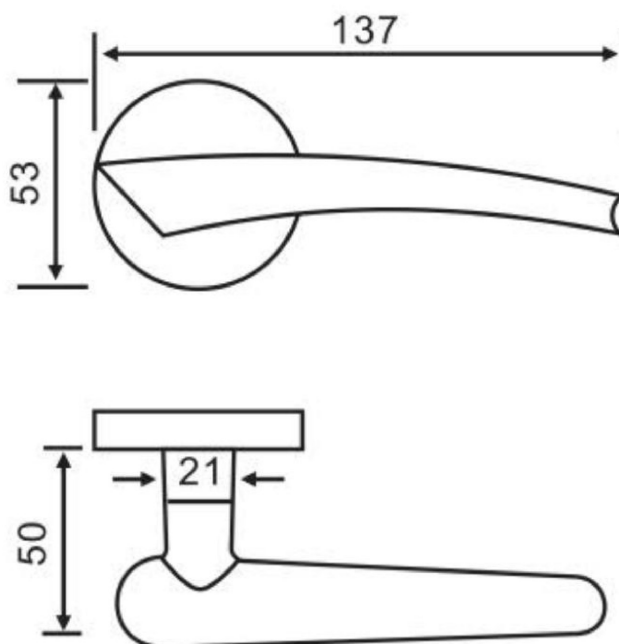
SUPPLIED ACCESSORIES

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.

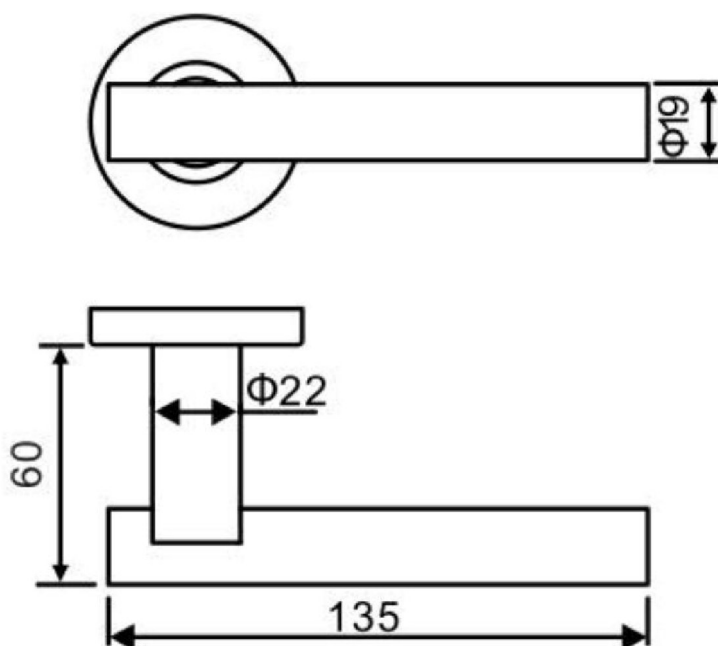
SUPPLIED ACCESSORIES

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



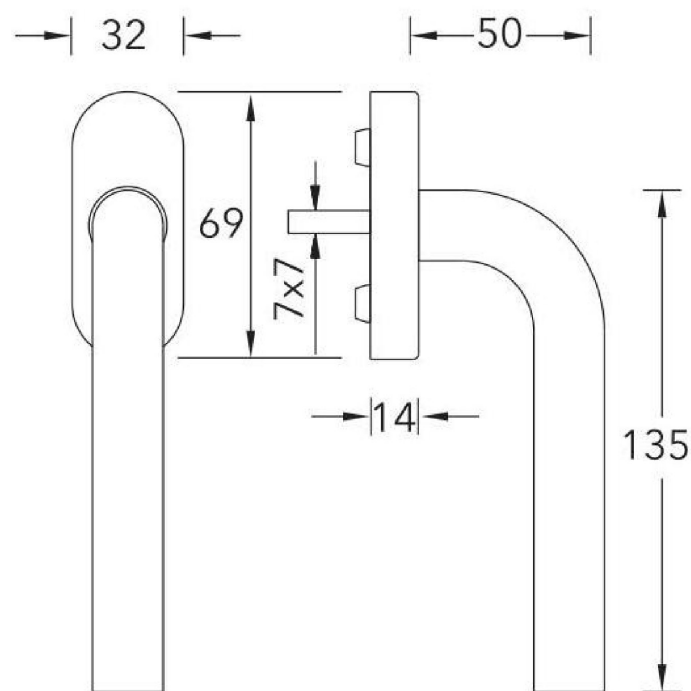
AVAILABLE FINISHES

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.