

Please note that all information and data in this catalog may differ from the actual products due to photography and printing processes. All listed items are subject to the actual products, and all product-related information is subject to change without prior notice.

HINGE SYSTEM

Soft-Close Hinge Series



RUTA Hardware, Inc.

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www.rutahardware.com



CUP HINGE

NORMAL HINGE SERIE



90° HINGE SERIES



155° HINGE SERIES



135° HINGE SERIE



45° HNGE SERIE



30° HNGE SERIE



ALUMINUM HINGE SERIES



US STYLE SERIES



HINGE MOUNTING PLATES SERIES



HINGE SET

NORMAL HINGE SERIE



90° HINGE SERIES



155° HINGE SERIES



135° HINGE SERIE



45° HNGE SERIE



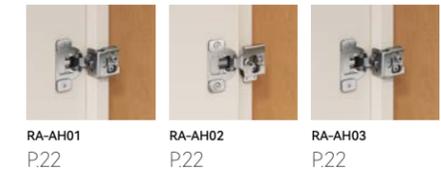
30° HNGE SERIE



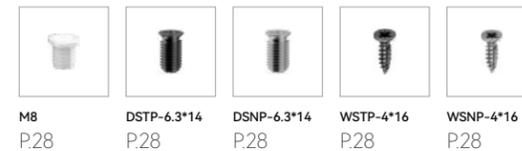
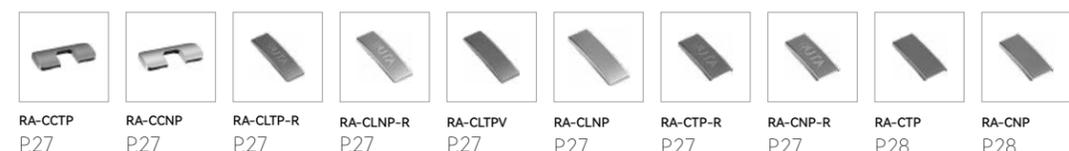
ALUMINUM HINGE SERIES



US STYLE SERIES



ACCESSORIES SERIES



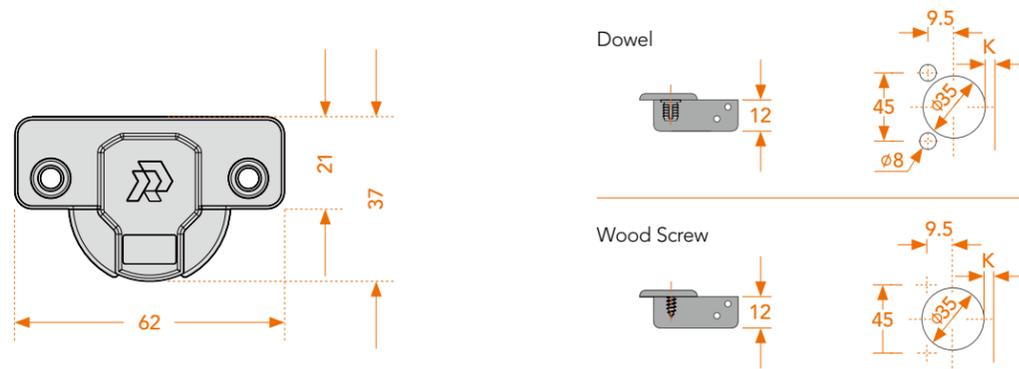
HINGE SYSTEM

EUROPEAN STYLE / ALUMINUM DOOR / US STYLE HINGE



HINGE SYSTEM NORMAL HINGE SERIE

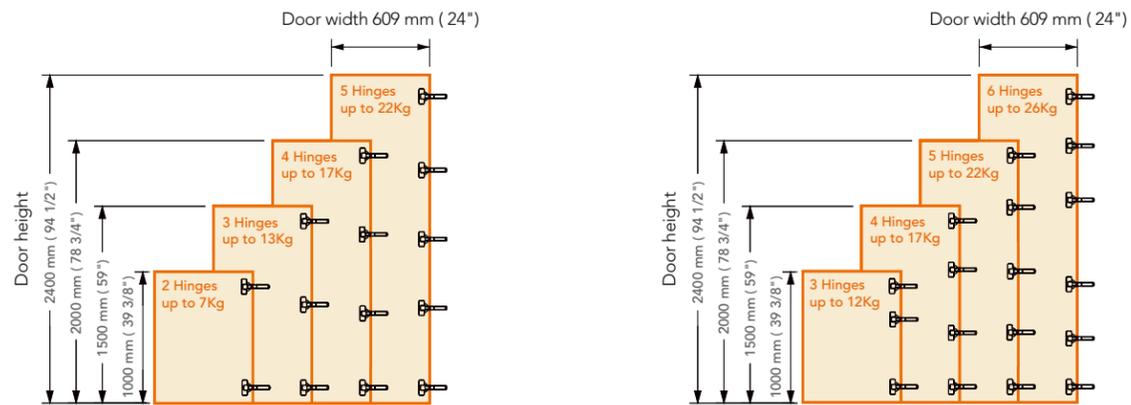
HYDRAULIC CUP HINGE



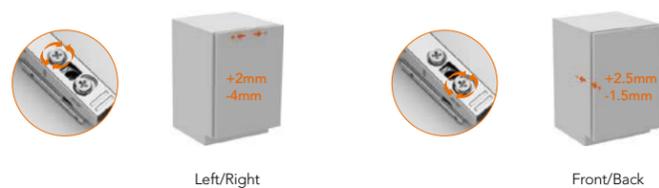
NICKEL PLATING



NUMBER OF HINGES REQUIRED ACCORDING TO THE DOOR DIMENSION AND WEIGHT.



DOOR PANEL ADJUSTMENT



HYDRAULIC CUP HINGE SET

With eccentric adjustment
European style soft-closing hinge 105° opening
3D eccentric adjustment
3-segment force control hinge
Minimum 15mm/Maximum 21mm door thickness
Cup diameter 35mm, 12mm deep

Model	Adjustment	Soft-closing	Force control	Material	Plating
RA-WDGC20-NP-SET	✓	✓		Steel	Nickel plating
RA-WDGC21-NP-SET	✓	✓		Steel	Nickel plating
RA-WDGC22-NP-SET	✓	✓		Steel	Nickel plating

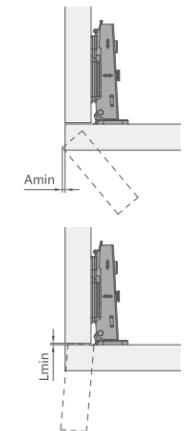


HINGE COVERAGE TABLE

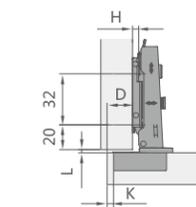
A(min)	K		15	16	17	18	19	20	21	22
	T									
3	0.4		0.4	0.4	0.6	0.8	1.2	1.6	2.2	2.9
4	0.4		0.4	0.4	0.6	0.8	1.1	1.5	2.0	2.6
5	0.4		0.4	0.4	0.6	0.8	1.1	1.4	1.8	2.4
6	0.4		0.4	0.4	0.5	0.7	1.0	1.3	1.7	2.2
7	0.4		0.4	0.4	0.5	0.7	1.0	1.3	1.6	2.0

MINIMUM GUP PF DOOR PANELS

L(min)	K		15	16	17	18	19	20	21	22
	T									
3	1		1	1	1	1	1	1	1	1
4	1		1	1	1	1	1	1	1.2	1.3
5	1.5		1.5	1.5	1.6	1.7	1.9	2.0	2.2	2.3
6	2.5		2.5	2.5	2.6	2.8	2.9	3.0	3.2	3.3
7	3.5		3.5	3.5	3.6	3.7	3.9	4.0	4.2	4.3



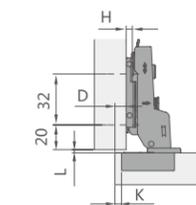
FULL OVERLAY



H=14+K-D

D	H	K	3	4	5	6	7
0			17	18	19	20	21

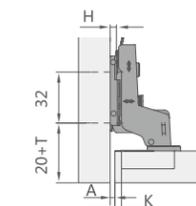
HALF OVERLAY



H=5+K-D

D	H	K	3	4	5	6	7
0			8	9	10	11	12

INSET



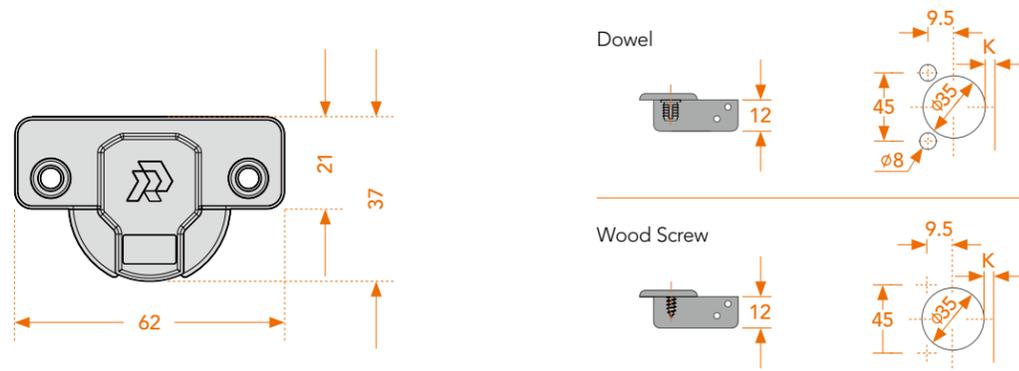
H=4+K+A

A	H	K	3	4	5	6	7
0			1	0	-1	-2	-3



HINGE SYSTEM NORMAL HINGE SERIE

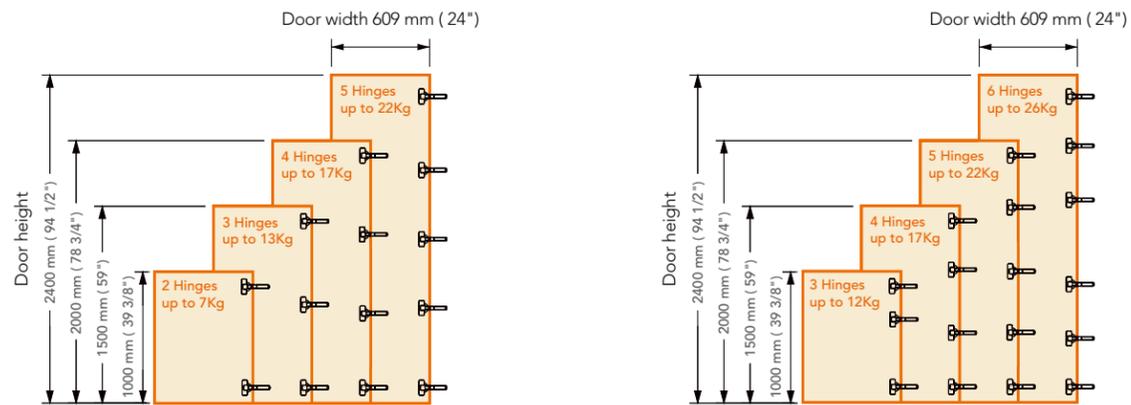
HYDRAULIC CUP HINGE



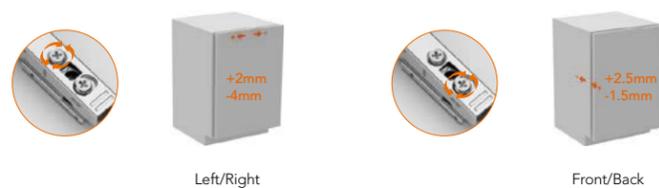
TITANIUM PLATING



NUMBER OF HINGES REQUIRED ACCORDING TO THE DOOR DIMENSION AND WEIGHT.



DOOR PANEL ADJUSTMENT



HYDRAULIC CUP HINGE SET

With eccentric adjustment
European style soft-closing hinge 105° opening
3D eccentric adjustment
3-segment force control hinge
Minimum 15mm/Maximum 21mm door thickness
Cup diameter 35mm, 12mm deep

RA-WDGC20-TP-SET		✓	✓		
RA-WDGC21-TP-SET	H=0	✓	✓	Steel	Titanium plating
RA-WDGC22-TP-SET		✓	✓		

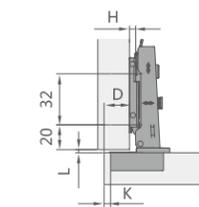
HINGE COVERAGE TABLE

A(min)	K	T	15	16	17	18	19	20	21	22
3			0.4	0.4	0.6	0.8	1.2	1.6	2.2	2.9
4			0.4	0.4	0.6	0.8	1.1	1.5	2.0	2.6
5			0.4	0.4	0.6	0.8	1.1	1.4	1.8	2.4
6			0.4	0.4	0.5	0.7	1.0	1.3	1.7	2.2
7			0.4	0.4	0.5	0.7	1.0	1.3	1.6	2.0

MINIMUM GUP PF DOOR PANELS

L(min)	K	T	15	16	17	18	19	20	21	22
3			1	1	1	1	1	1	1	1
4			1	1	1	1	1	1	1.2	1.3
5			1.5	1.5	1.6	1.7	1.9	2.0	2.2	2.3
6			2.5	2.5	2.6	2.8	2.9	3.0	3.2	3.3
7			3.5	3.5	3.6	3.7	3.9	4.0	4.2	4.3

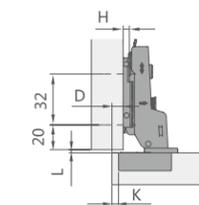
FULL OVERLAY



H=14+K-D

D	H	K	3	4	5	6	7
0			17	18	19	20	21

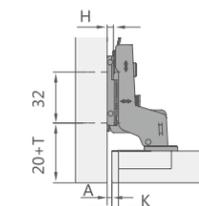
HALF OVERLAY



H=5+K-D

D	H	K	3	4	5	6	7
0			8	9	10	11	12

INSET



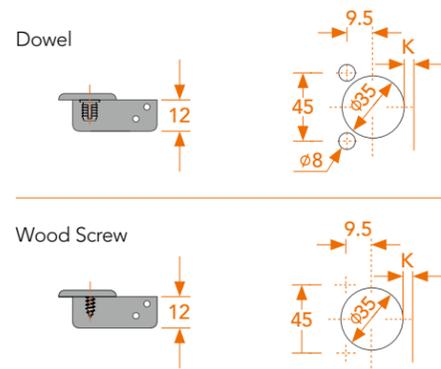
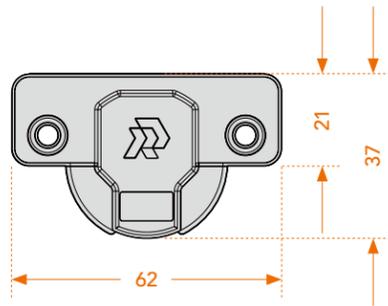
H=4+K+A

A	H	K	3	4	5	6	7
0			1	0	-1	-2	-3



HINGE SYSTEM 90° HINGE SERIES

HYDRAULIC CUP HINGE



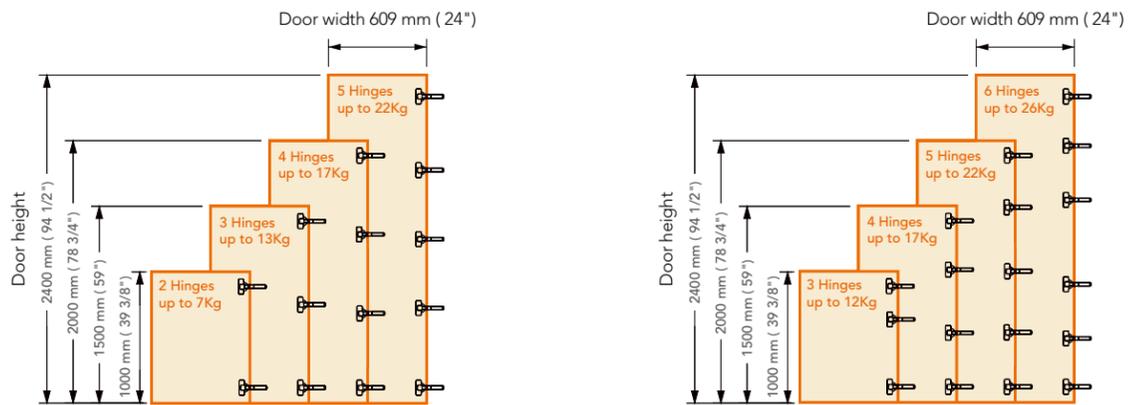
RA-WDGA90-NP
Nickel plating



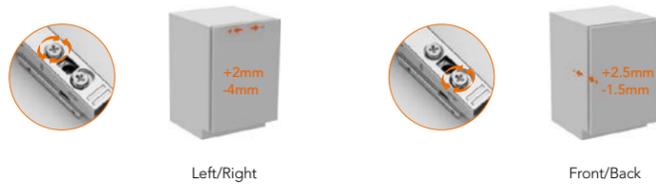
RA-WDGA90-TP
Titanium plating



NUMBER OF HINGES REQUIRED ACCORDING TO THE DOOR DIMENSION AND WEIGHT.



DOOR PANEL ADJUSTMENT



HYDRAULIC CUP HINGE SET

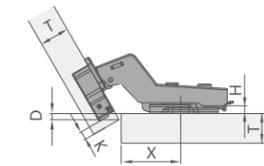
With eccentric adjustment
European style soft-closing hinge arm 90°
3D eccentric adjustment
3-segment force control hinge
Suitable for doors of various thicknesses
Cup diameter 35mm, 12mm deep



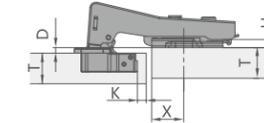
	H=0	✓	✓	Steel	Nickel plating
RA-WDGA90-NP-SET					
RA-WDGA90-TP-SET					Titanium plating



FULL OVERLAY



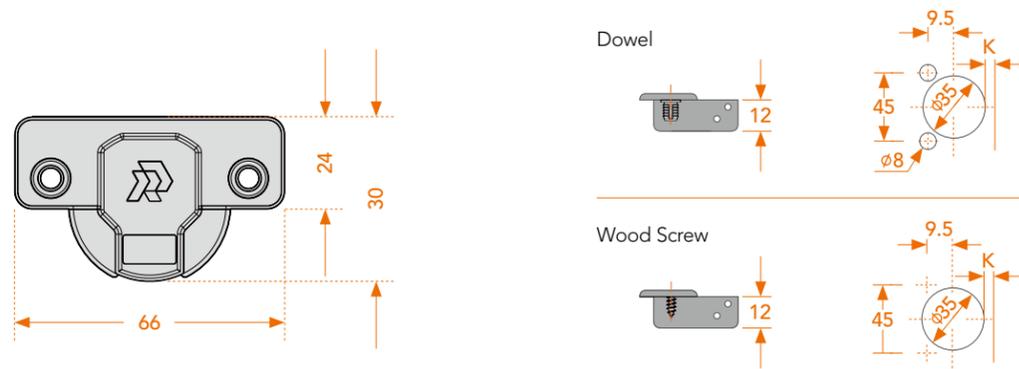
D	H	K	4	5
0	37	2.0	37	2.0



D	H	K	4	5
0	37	2.0	37	2.0

HINGE SYSTEM 155° HINGE SERIES

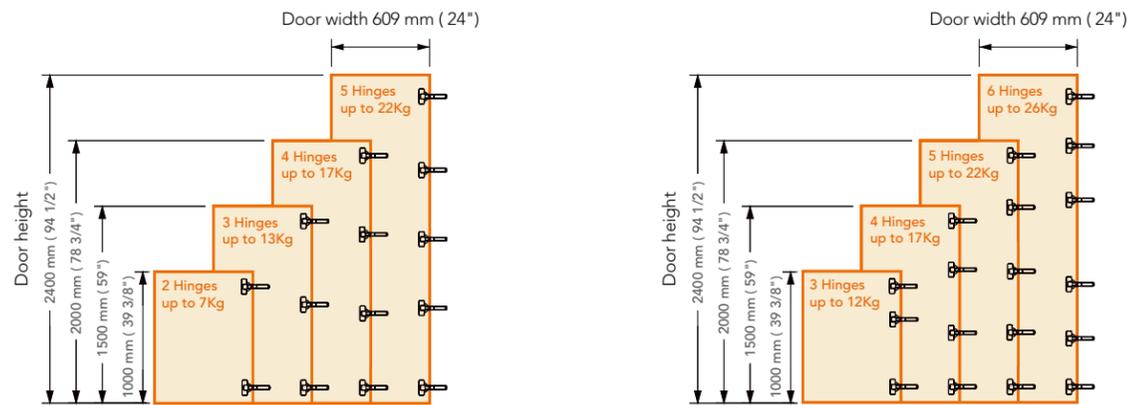
HYDRAULIC CUP HINGE



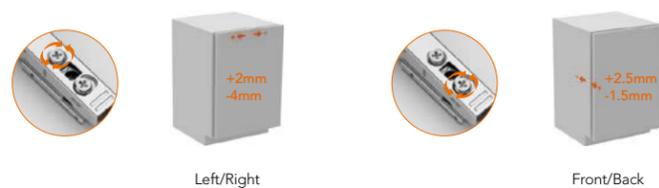
NICKEL PLATING



NUMBER OF HINGES REQUIRED ACCORDING TO THE DOOR DIMENSION AND WEIGHT.



DOOR PANEL ADJUSTMENT



HYDRAULIC CUP HINGE SET

With eccentric adjustment
European style soft-closing hinge 105° opening, arm 155°
3D eccentric adjustment
3-segment force control hinge
Minimum 15mm/Maximum 21mm door thickness
Cup diameter 35mm, 12mm deep

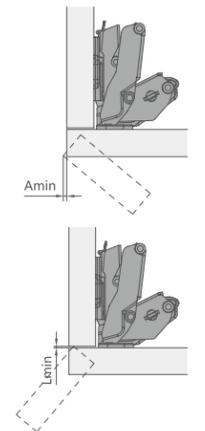
RA-WDGA15520-NP-SET		✓	✓		
RA-WDGA15521-NP-SET	H=0	✓	✓	Steel	Nickel plating
RA-WDGA15522-NP-SET		✓	✓		

HINGE COVERAGE TABLE

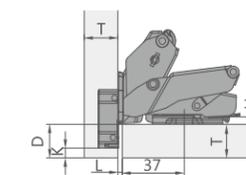
A(min)	K	T	15	16	17	18	19	20	21	22	23	24	25
3			0	0	0	0	0	0	0	0	0	0.2	0.6
4			0	0	0	0	0	0	0	0	0	0.2	0.6
5			0	0	0	0	0	0	0	0	0	0.3	0.7
6			0	0	0	0	0	0	0	0	0	0.4	1.0
7			0	0	0	0	0	0	0	0	0.05	0.5	1.4

MINIMUM GAP OF DOOR PANELS

L(min)	K	T	15	16	17	18	19	20	21	22	23	24	25
3			1	1	1	1	1	1	1	1	1	1	1
4			1	1	1	1	1	1	1	1	1	1	1
5			1	1	1	1	1	1	1	1	1	1	1
6			1	1	1	1	1	1	1	1	1	1	1
7			1	1	1	1	1	1	1	1	1	1	1



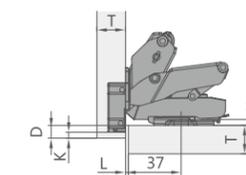
FULL OVERLAY



H=14+K-D

D	H	K	3	4	5	6	7
0			17	18	19	20	21

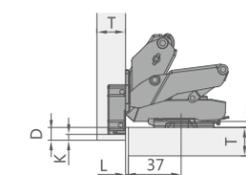
HALF OVERLAY



H=5+K-D

D	H	K	3	4	5	6	7
0			8	9	10	11	12

INSET

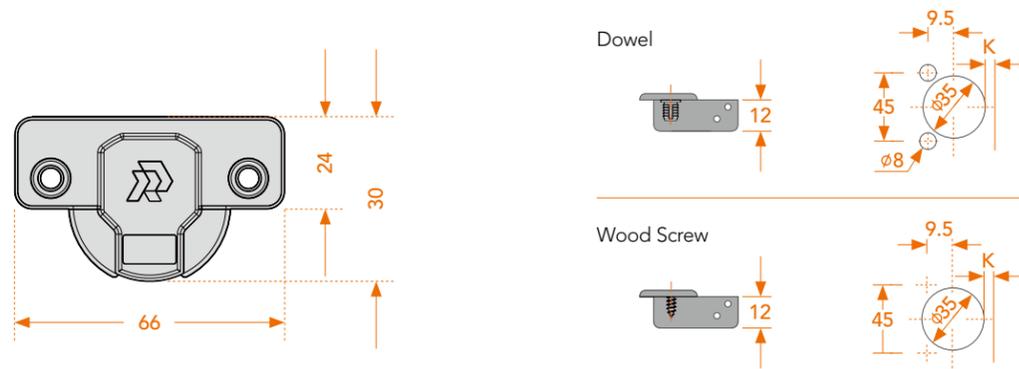


H=4+K+A

A	H	K	19	20	21	22	23
0			1	0	-1	-2	-3

HINGE SYSTEM 155° HINGE SERIES

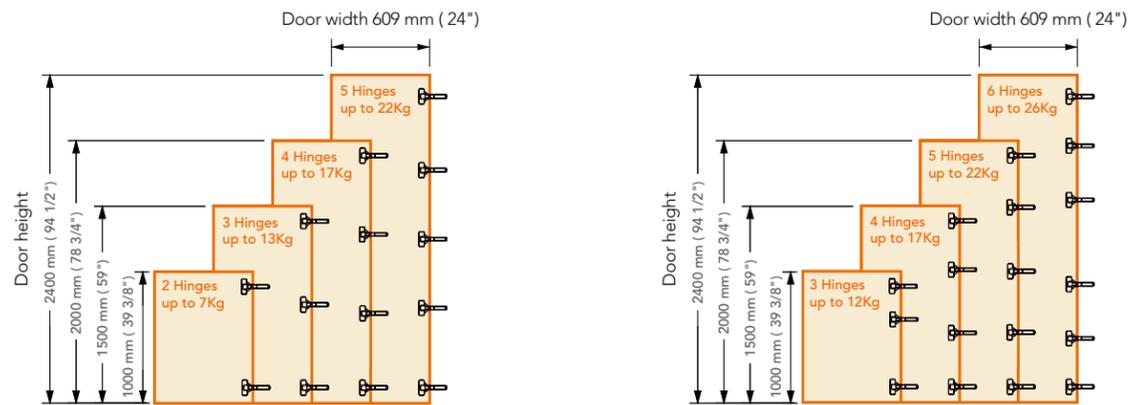
HYDRAULIC CUP HINGE



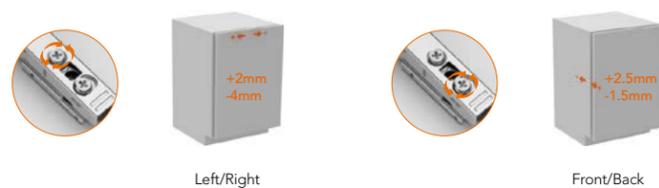
TITANIUM PLATING



NUMBER OF HINGES REQUIRED ACCORDING TO THE DOOR DIMENSION AND WEIGHT.



DOOR PANEL ADJUSTMENT



HYDRAULIC CUP HINGE SET

With eccentric adjustment
European style soft-closing hinge 105° opening, arm 155°
3D eccentric adjustment
3-segment force control hinge
Minimum 15mm/Maximum 21mm door thickness
Cup diameter 35mm, 12mm deep

Model	Adjustment	Material	Plating
RA-WDGA15520-TP-SET	✓	Steel	Titanium plating
RA-WDGA15521-TP-SET	✓	Steel	Titanium plating
RA-WDGA15522-TP-SET	✓	Steel	Titanium plating

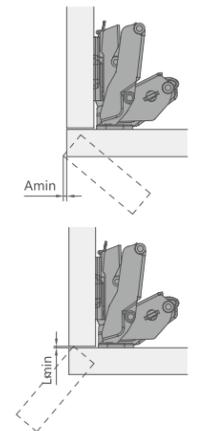
Icons: 35mm cup, 45mm arm, 105° opening, 155° arm, SLOW, 3D adjustment, CLIP-ON, x250

HINGE COVERAGE TABLE

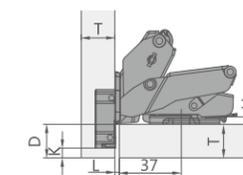
A(min)	15	16	17	18	19	20	21	22	23	24	25
3	0	0	0	0	0	0	0	0	0	0.2	0.6
4	0	0	0	0	0	0	0	0	0	0.2	0.6
5	0	0	0	0	0	0	0	0	0	0.3	0.7
6	0	0	0	0	0	0	0	0	0	0.4	1.0
7	0	0	0	0	0	0	0	0	0.05	0.5	1.4

MINIMUM GAP OF DOOR PANELS

L(min)	15	16	17	18	19	20	21	22	23	24	25
3	1	1	1	1	1	1	1	1	1	1	1
4	1	1	1	1	1	1	1	1	1	1	1
5	1	1	1	1	1	1	1	1	1	1	1
6	1	1	1	1	1	1	1	1	1	1	1
7	1	1	1	1	1	1	1	1	1	1	1



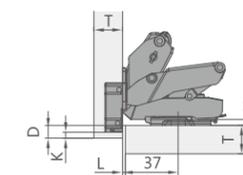
FULL OVERLAY



H=14+K-D

D	H	K	3	4	5	6	7
0			17	18	19	20	21

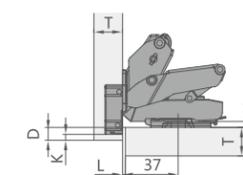
HALF OVERLAY



H=5+K-D

D	H	K	3	4	5	6	7
0			8	9	10	11	12

INSET



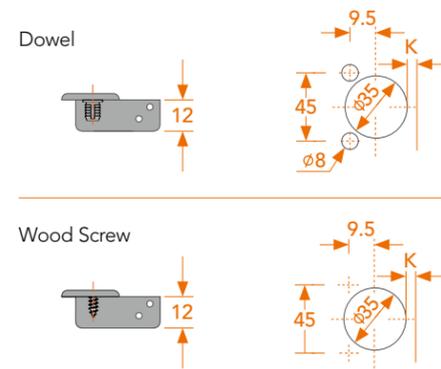
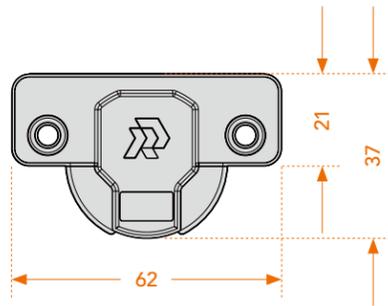
H=4+K+A

A	H	K	19	20	21	22	23
0			1	0	-1	-2	-3



HINGE SYSTEM 135° HINGE SERIE

HYDRAULIC CUP HINGE



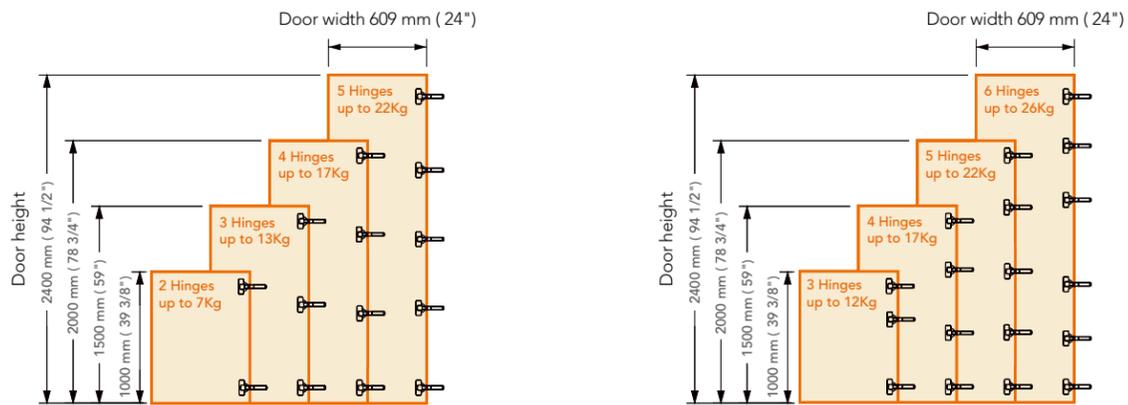
RA-WDGA135-NP
Nickel plating



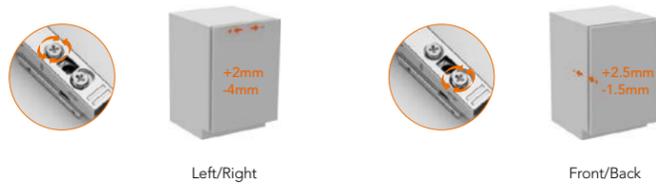
RA-WDGA135-TP
Titanium plating



NUMBER OF HINGES REQUIRED ACCORDING TO THE DOOR DIMENSION AND WEIGHT.



DOOR PANEL ADJUSTMENT



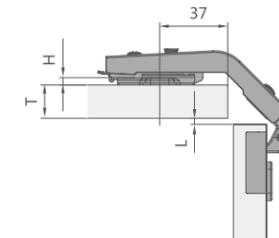
HYDRAULIC CUP HINGE SET

With eccentric adjustment
European style soft-closing hinge arm 135°
3D eccentric adjustment
3-segment force control hinge
Suitable for doors of various thicknesses
Cup diameter 35mm, 12mm deep hinge 135°

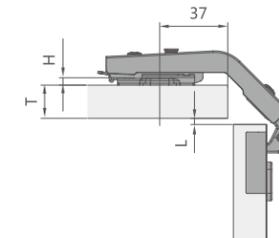
RA-WDGA135-NP-SET	H=0	✓	✓	Steel	Nickel plating
RA-WDGA135-TP-SET		✓	✓	Steel	Titanium plating



FULL OVERLAY



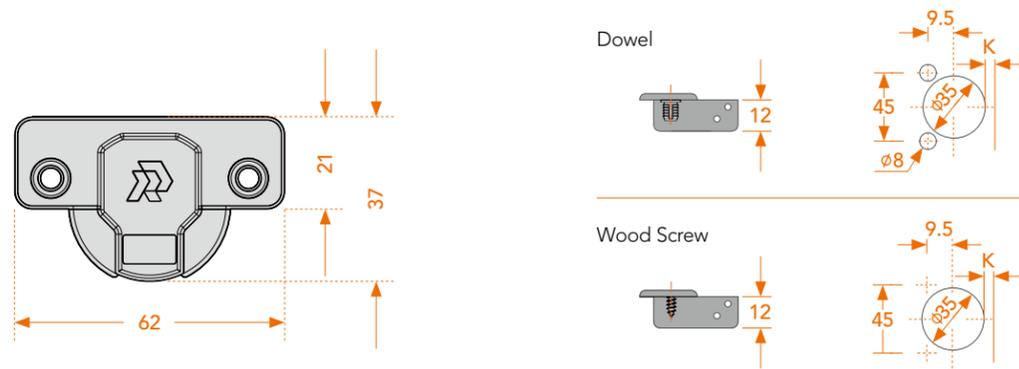
D	H	K	4	5
0	37	20	2.0	19 2.0



D	H	K	4	5
0	37	20	2.0	19 2.0

HINGE SYSTEM 45° HNGE SERIE

HYDRAULIC CUP HINGE



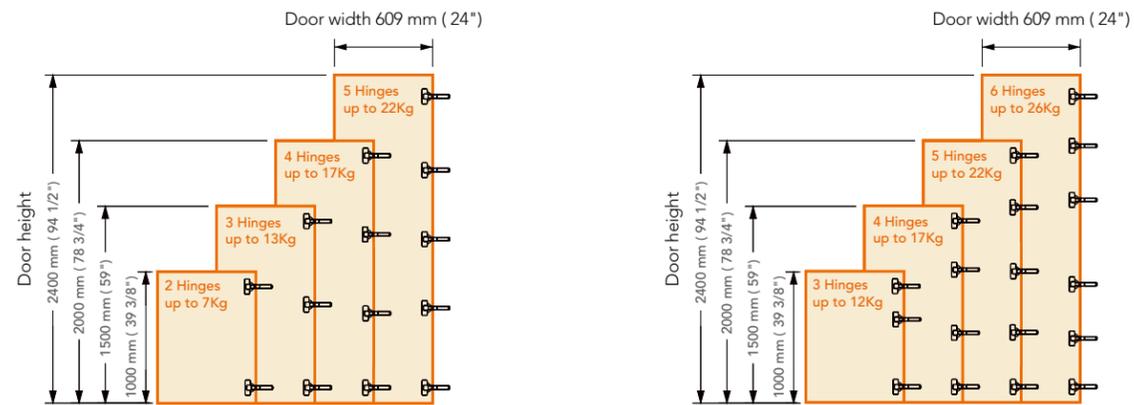
RA-WDGA45-NP
Nickel plating



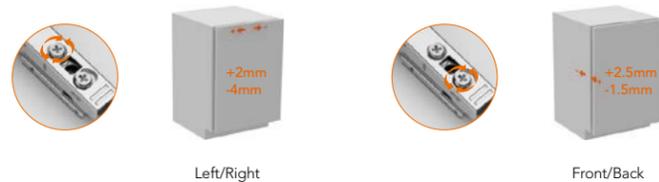
RA-WDGA45-TP
Titanium plating



NUMBER OF HINGES REQUIRED ACCORDING TO THE DOOR DIMENSION AND WEIGHT.



DOOR PANEL ADJUSTMENT



HYDRAULIC CUP HINGE SET

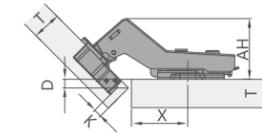
With eccentric adjustment
European style soft-closing hinge arm 45°
3D eccentric adjustment
3-segment force control hinge
Suitable for doors of various thicknesses
Cup diameter 35mm, 12mm deep hinge 45°



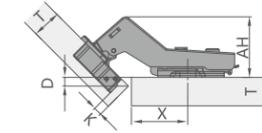
Model	H=0	✓	✓	Steel	Nickel plating
RA-WDGA45-NP-SET	✓	✓	✓	✓	✓
RA-WDGA45-TP-SET	✓	✓	✓	✓	Titanium plating



FULL OVERLAY



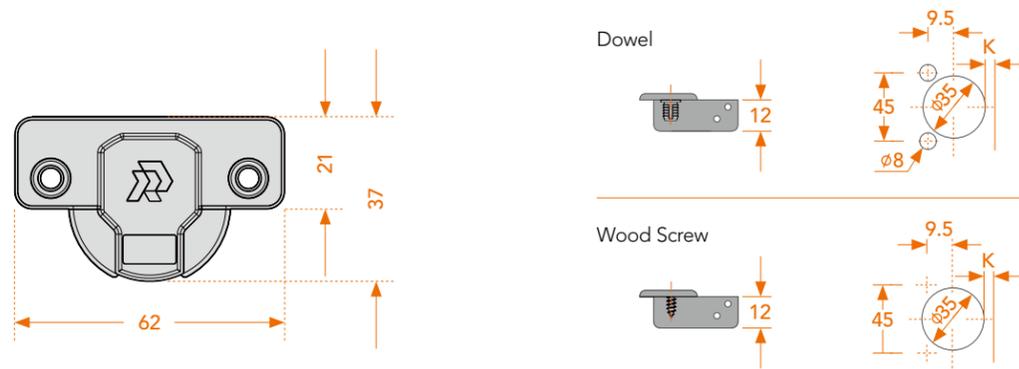
D	H	K	4	5	6	7
0	37	4.5	36	5.4	35	6.3
						34
						7.2



D	H	K	4	5	6	7
0	37	4.5	36	5.4	35	6.3
						34
						7.2

HINGE SYSTEM 30° HNGE SERIE

HYDRAULIC CUP HINGE



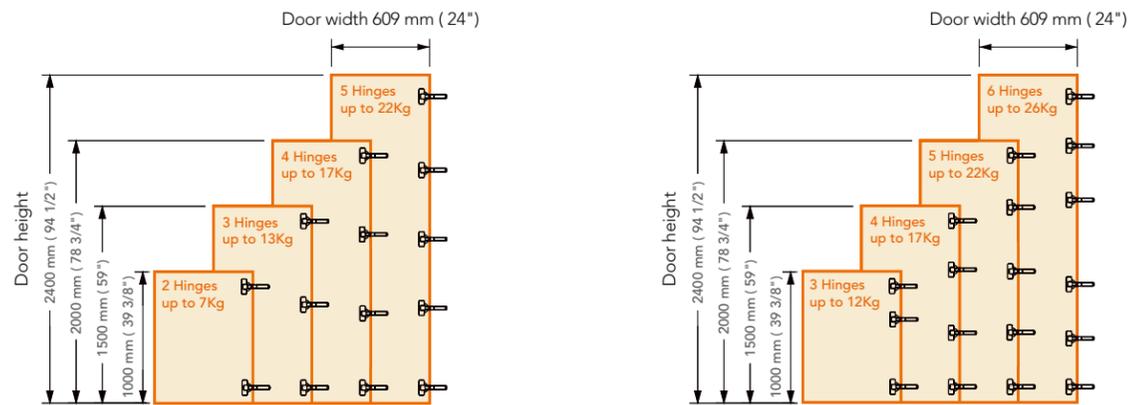
RA-WDGA30-NP
Nickel plating



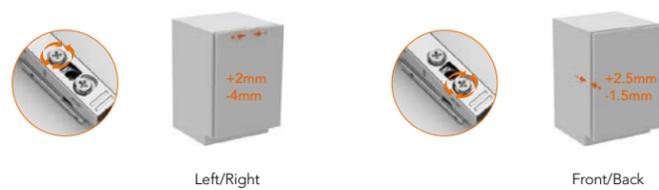
RA-WDGA30-TP
Titanium plating



NUMBER OF HINGES REQUIRED ACCORDING TO THE DOOR DIMENSION AND WEIGHT.



DOOR PANEL ADJUSTMENT



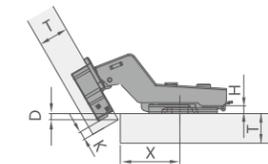
HYDRAULIC CUP HINGE SET

With eccentric adjustment
European style soft-closing hinge arm 30°
3D eccentric adjustment
3-segment force control hinge
Suitable for doors of various thicknesses
Cup diameter 35mm, 12mm deep hinge 30°

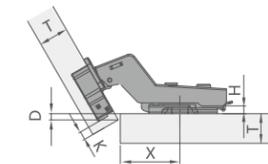
RA-WDGA30-NP-SET	H=0	✓	✓	Steel	Nickel plating
RA-WDGA30-TP-SET		✓	✓	Steel	Titanium plating



FULL OVERLAY

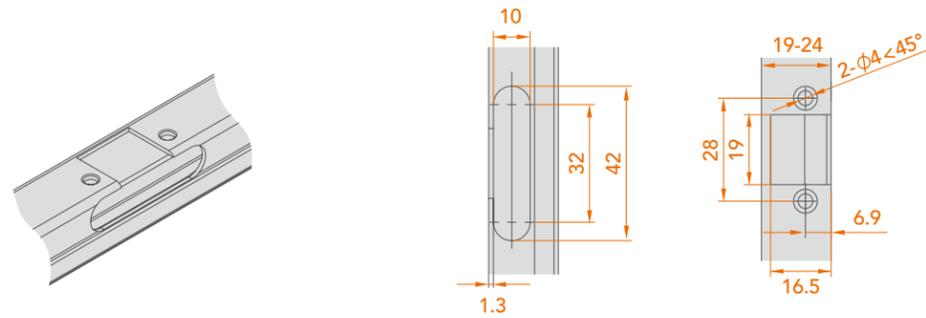


D	H	K	4	5	6	7
0	37	2.5	3.6	3.4	3.5	4.3
			3.4	4.3	3.4	5.2



D	H	K	4	5	6	7
0	37	2.5	3.6	3.4	3.5	4.3
			3.4	4.3	3.4	5.2

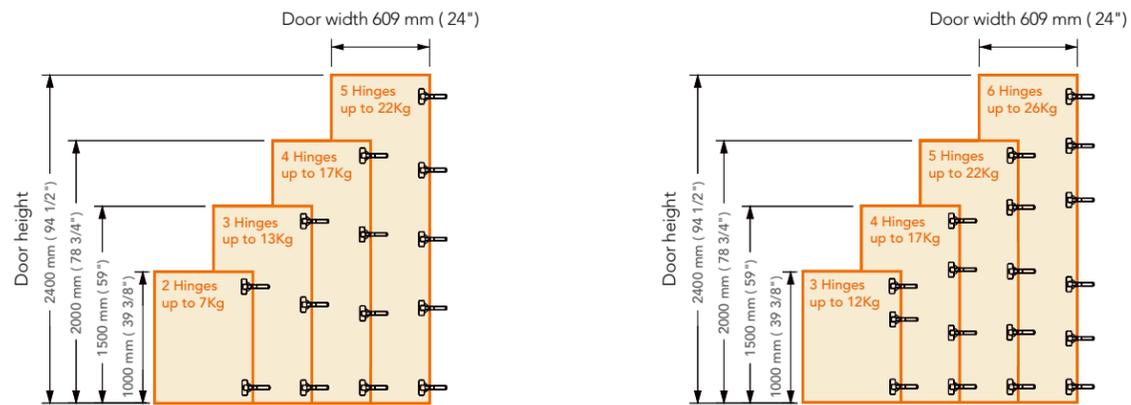
HYDRAULIC CUP HINGE



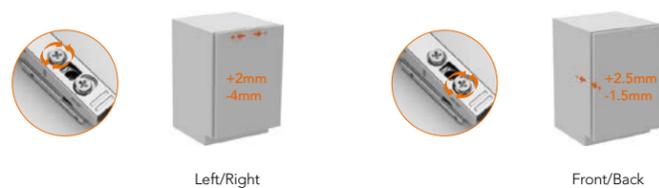
TITANIUM PLATING



NUMBER OF HINGES REQUIRED ACCORDING TO THE DOOR DIMENSION AND WEIGHT.



DOOR PANEL ADJUSTMENT



HYDRAULIC CUP HINGE SET

With eccentric adjustment
European style soft-closing hinge 105° opening
3D eccentric adjustment
3-segment force control hinge
Minimum 15mm/Maximum 21mm door thickness
For aluminium frame
Titanium-plated colour

Model	Adjustment	Material	Finish
RA-ADGC20-TP-SET	✓	Steel	Titanium plating
RA-ADGC21-TP-SET	✓		
RA-ADGC22-TP-SET	✓		

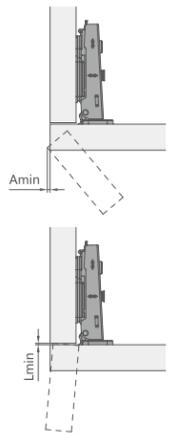


HINGE COVERAGE TABLE

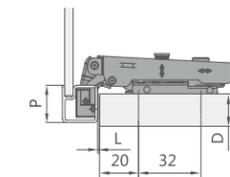
A(min)	K		15	16	17	18	19	20	21	22
	T									
3	0.4		0.4	0.4	0.6	0.8	1.2	1.6	2.2	2.9
4	0.4		0.4	0.4	0.6	0.8	1.1	1.5	2.0	2.6
5	0.4		0.4	0.4	0.6	0.8	1.1	1.4	1.8	2.4
6	0.4		0.4	0.4	0.5	0.7	1.0	1.3	1.7	2.2
7	0.4		0.4	0.4	0.5	0.7	1.0	1.3	1.6	2.0

MINIMUM GAP OF DOOR PANELS

L(min)	K		15	16	17	18	19	20	21	22
	T									
3	1		1	1	1	1	1	1	1	1
4	1		1	1	1	1	1	1	1.2	1.3
5	1.5		1.5	1.5	1.6	1.7	1.9	2.0	2.2	2.3
6	2.5		2.5	2.5	2.6	2.8	2.9	3.0	3.2	3.3
7	3.5		3.5	3.5	3.6	3.7	3.9	4.0	4.2	4.3



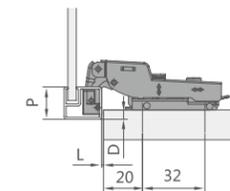
FULL OVERLAY



H=2+P-D

D	K	19	20	21	22	23
H	0	17	18	19	20	21

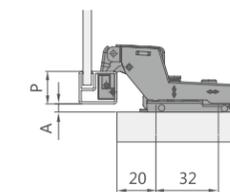
HALF OVERLAY



H=11+P-D

D	K	19	20	21	22	23
H	0	8	9	10	11	12

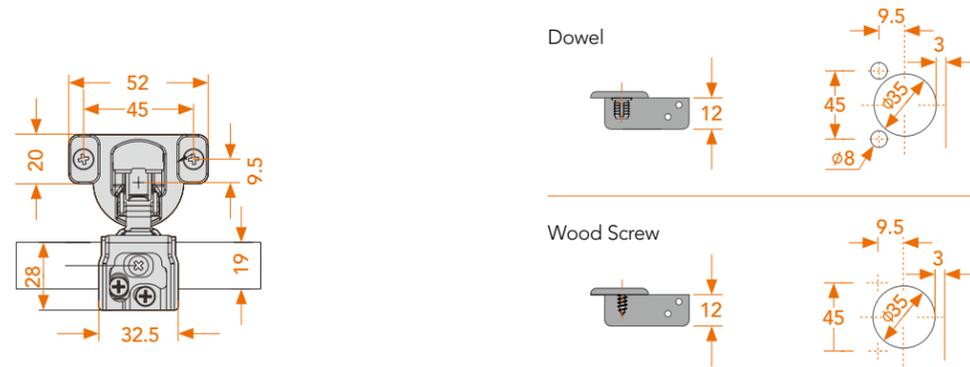
INSET



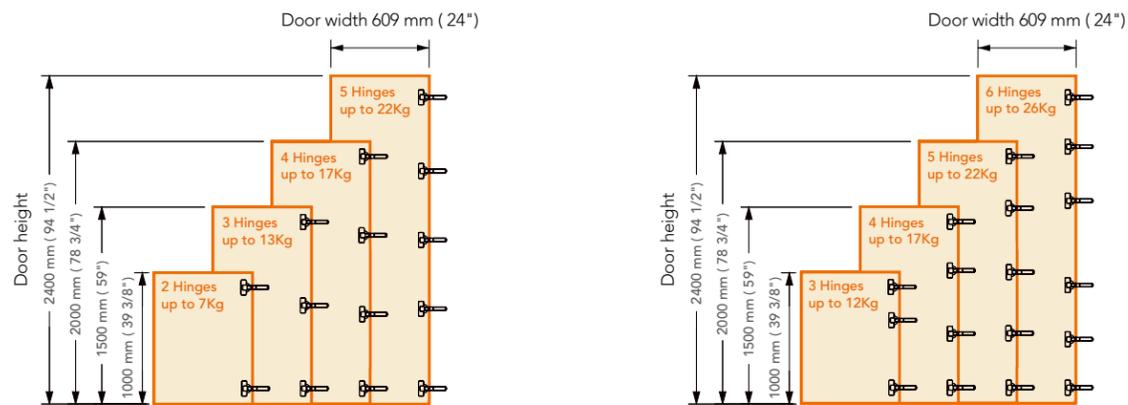
H=20+K+A

A	K	19	20	21	22	23
H	0	1	0	-1	-2	-3

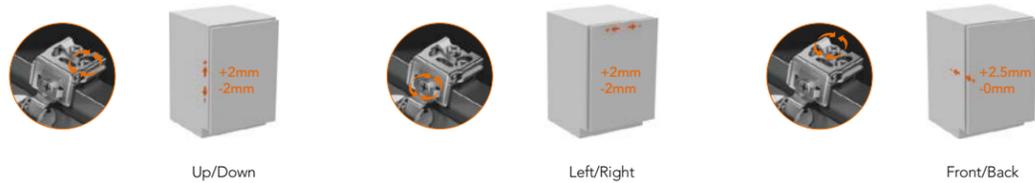
TECHNICAL SPECIFICATIONS



NUMBER OF HINGES REQUIRED ACCORDING TO THE DOOR DIMENSION AND WEIGHT.



DOOR PANEL ADJUSTMENT



HYDRAULIC CUP HINGE SET

Soft closing face frame hinge with adjustment 1" overlay
Hinge set with soft closing
1" overlay
3D adjustment
100° opening
Cup diameter 35mm, 11.55mm deep

RA-AH01	H=0	✓	✓	Steel	Nickel plating
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HYDRAULIC CUP HINGE SET

Soft closing face frame hinge with adjustment 1 1/2" overlay
Hinge set with soft closing
1 1/2" overlay
3D adjustment
100° opening
Cup diameter 35mm, 11.55mm deep

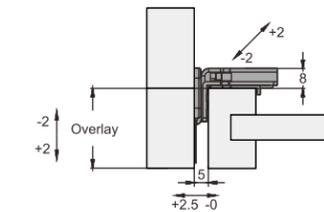
RA-AH02	H=0	✓	✓	Steel	Nickel plating
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HYDRAULIC CUP HINGE SET

Soft closing face frame hinge with adjustment 1 1/4" overlay
Hinge set with soft closing
1 1/4" overlay
3D adjustment
100° opening
Cup diameter 35mm, 11.55mm deep

RA-AH03	H=0	✓	✓	Steel	Nickel plating
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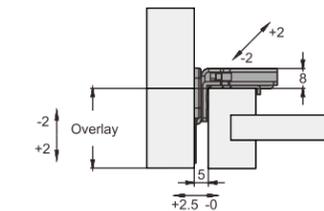
RA-AH01



ACCESSORIES

	Dowel	M8/DSNP-6.3*14
	Wood screw	WSNP-4*16

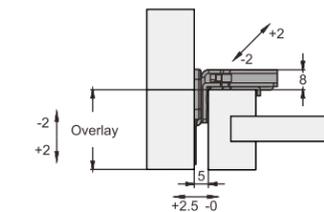
RA-AH02



ACCESSORIES

	Dowel	M8/DSNP-6.3*14
	Wood screw	WSNP-4*16

RA-AH03



ACCESSORIES

	Dowel	M8/DSNP-6.3*14
	Wood screw	WSNP-4*16

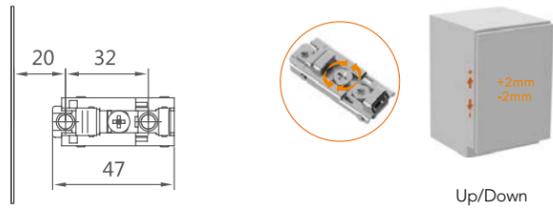


HINGE MOUNTING PLATES SERIES



HINGE MOUNTING PLATES SERIES

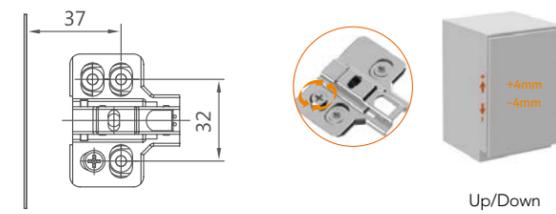
	RUTA-CODE	PRODUCT NAME	DESCRIPTION	SCREW	MATERIALS	PACKAGING
	RA-PL123D-TP	Hinge Mounting plates	European-style Hinge Mounting plates 3D eccentric adjustment Titanium-plated colour		Steel	500
	RA-PL123D-NP	Hinge Mounting plates	European-style Hinge Mounting plates 3D eccentric adjustment Nickel-plated colour		Steel	500



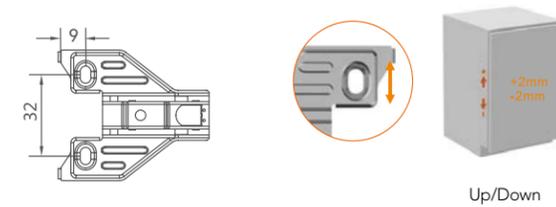
	RA-PL113D-TP	Hinge Mounting plates	European-style Hinge Mounting plates 3D eccentric adjustment Titanium-plated colour		Steel	500
	RA-PL113D-NP	Hinge Mounting plates	European-style Hinge Mounting plates 3D eccentric adjustment Nickel-plated colour		Steel	500



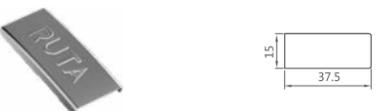
	RUTA-CODE	PRODUCT NAME	DESCRIPTION	SCREW	MATERIALS	PACKAGING
	RA-PL103D-TP	Hinge Mounting plates	European-style Hinge Mounting plates 3D eccentric adjustment Titanium-plated colour		Steel	500
	RA-PL103D-NP	Hinge Mounting plates	European-style Hinge Mounting plates 3D eccentric adjustment Nickel-plated colour		Steel	500



	RA-PL13-NP	Hinge Mounting plates	US-style soft-closing Hinge Mounting plates Nickel-plated colour		Steel	500
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ACCESSORIES SERIES

	RUTA-CODE	PRODUCT NAME	MATERIALS	PACKAGING
	RA-CCTP	Hinge cup cover	Steel	1000
	RA-CCNP	Hinge cup cover	Steel	1000
	RA-CLTP-R	Long hinge arm cover	Steel	1500
	RA-CLNP-R	Long hinge arm cover	Steel	1500
	RA-CLTP	Long hinge arm cover without logo	Steel	1500
	RA-CLNP	Long hinge arm cover without logo	Steel	1500
	RA-CTP-R	Hinge arm cover	Steel	2000
	RA-CNP-R	Hinge arm cover	Steel	2000

	RUTA-CODE	PRODUCT NAME	MATERIALS	PACKAGING
	RA-CTP	Hinge arm cover without logo	Steel	2000
	RA-CNP	Hinge arm cover without logo	Steel	2000
	M8	Hinge rubber insert	Steel	/
	DSTP-6.3*14	Dowel	Steel	1000
	DSNP-6.3*14	Dowel	Steel	1000
	WSTP-4*16	Wood screw	Steel	/
	WSNP-4*16	Wood screw	Steel	/

