Top mounted shutter

CC1000®
TL1000®

TECHNICAL CATALOGUE

PORTOS®

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CC1000®

the simplest solution in technical and economic terms

small shutter box - more light in your interior

It works perfectly in thin walls

TL1000®

solution tested for many years - reliability and satisfaction

reasonable quality-price ratio

perfectly matched to the conditions of the Polish installation

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CC1000®
TL1000®

LEGEND:

The system to which, the component is intended.

The size of the box for which the component is intended.

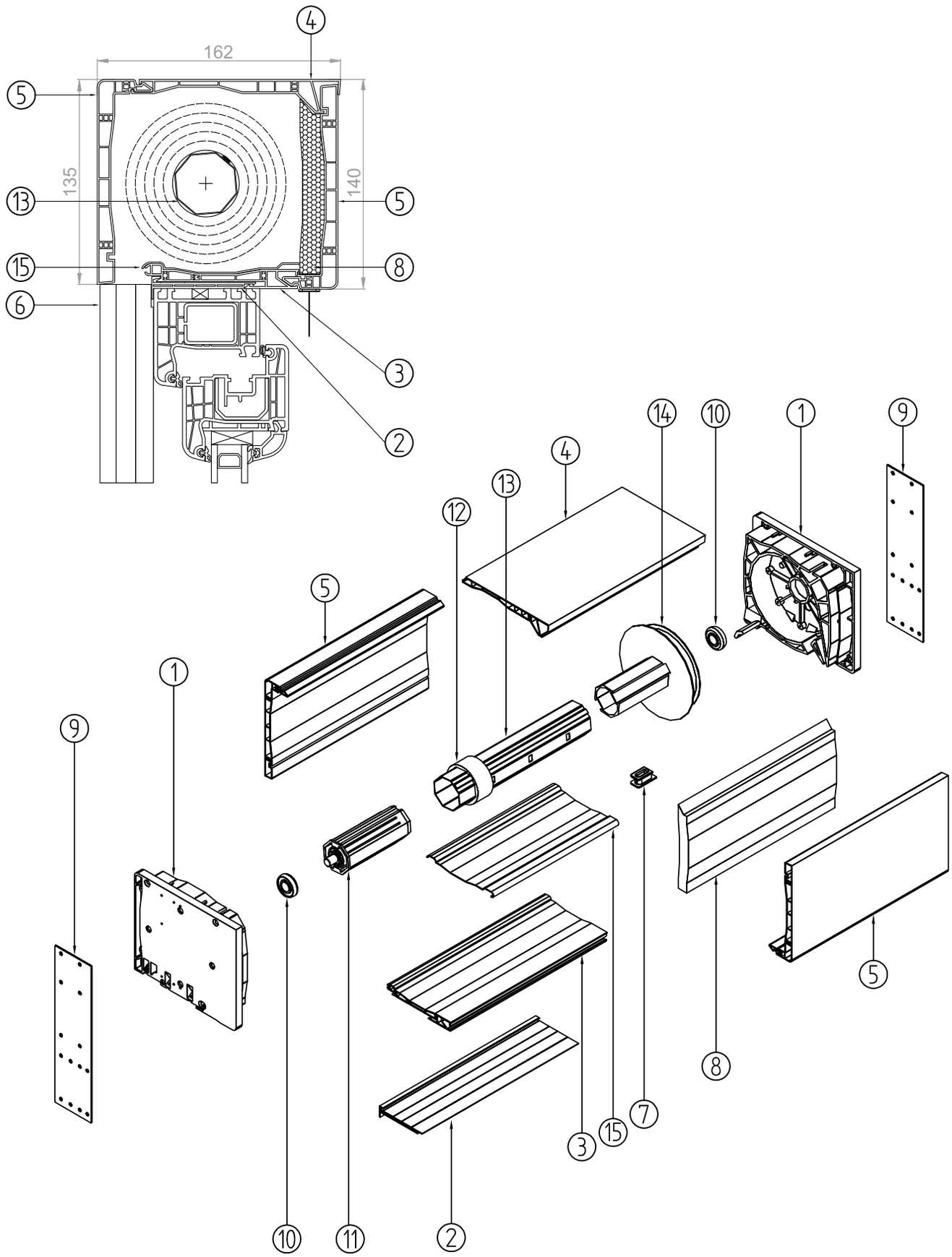
The indicative weight of the component (in kilograms).

Maximum length of a long component (given in meters).

The material used to make a component (e.g. PVC, ASA, etc.).

It contains no harmful heavy metals such as lead.

The component with a veneering option.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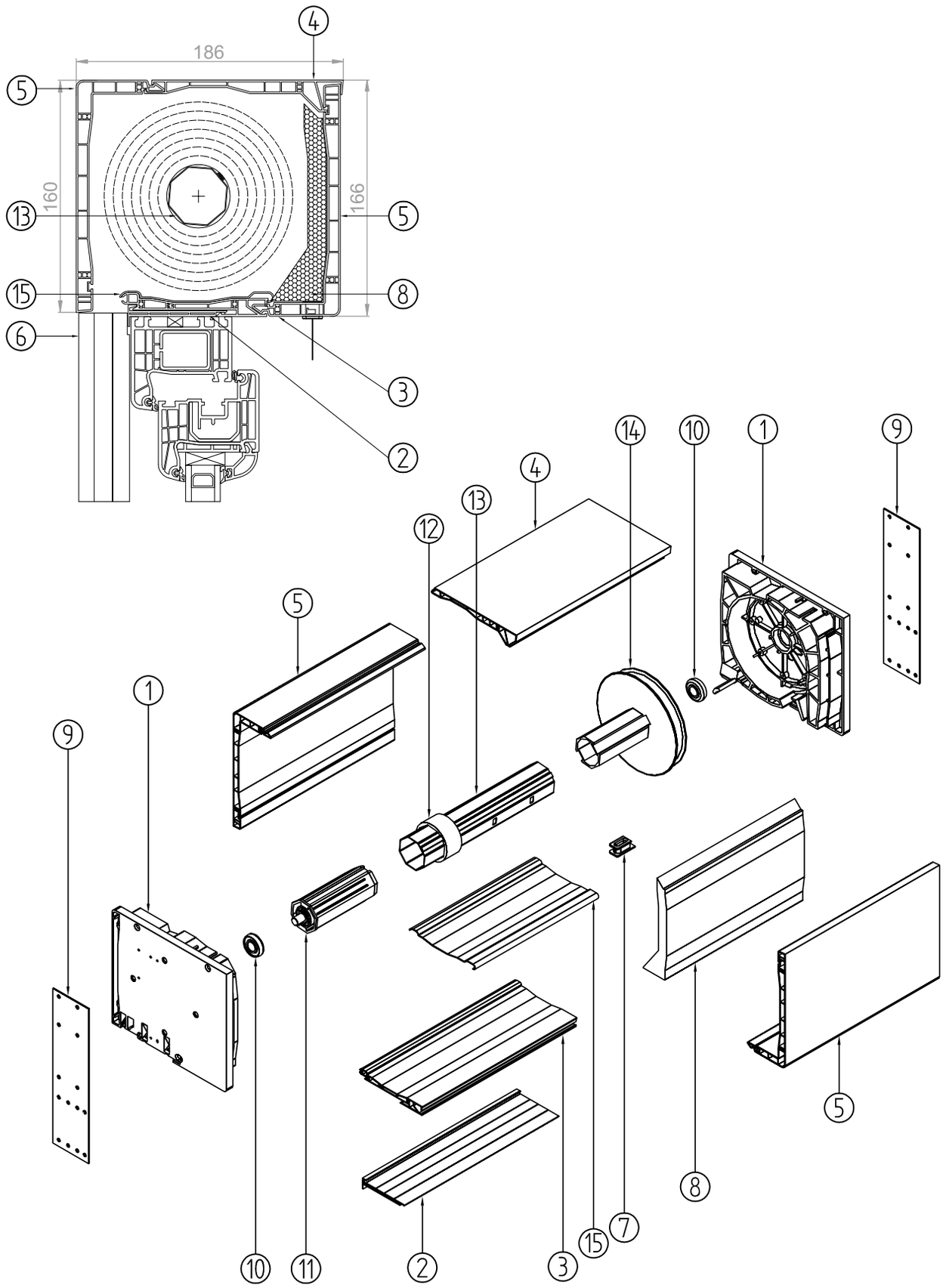
CC1000® box 135 - cross-section and parts list

1	RF100	Side of the box 135
2	RN	Adaptation profile
3	RK2	Mounting profile of the box 135, 160, 200
4	RK3	Top profile of the box 135, 160, 200
5	RK40	Inner and outer cover of the box 135
6	RK-16	Single guide
7	E-R265	Belt guide
8	RW1	Thermal insulation of the box 135
9	RKZ66	Steel side handle for box
10	LO 28/10	Bearing 28/10 for PVC
	LO 28/12 PCV	Bearing 28/12 for PVC
11	OBS-40-PCV	40 mounting for PVC with pin
	OBS-60-PCV	60 mounting for PVC with pin
12	PZ40/50	Expansion ring
	PZ60/70	Expansion ring
13	SW 40	Octagonal pipe ø 40
	SW 60	Octagonal pipe ø 60
14	RKZ70	Winding wheel for box 135
15	RA-10	Steel box reinforcement 135, 160, 200 - large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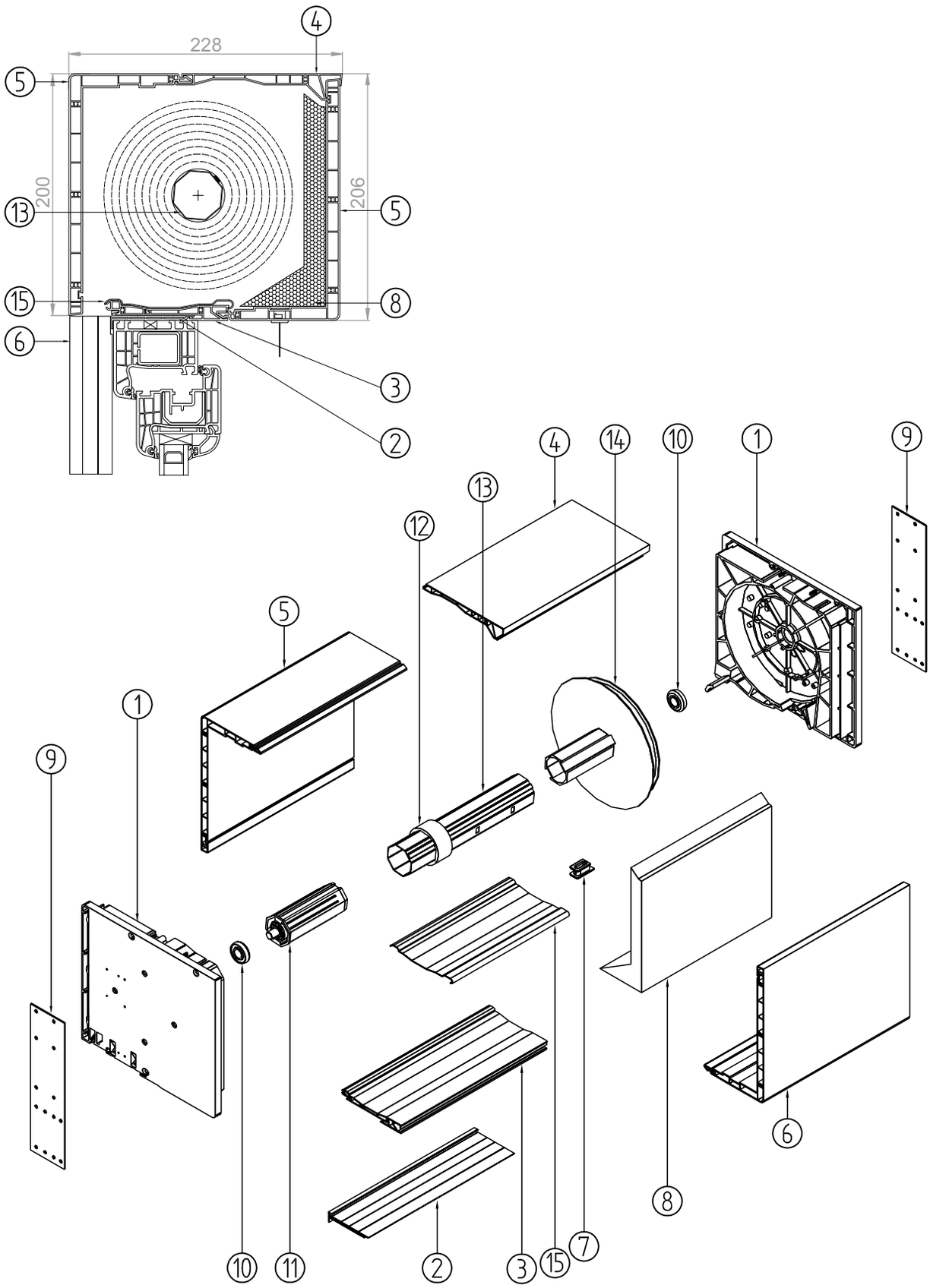
CC1000® box 160 - cross-section and parts list

1	RF200	Side of the box 160
2	RN	Adaptation profile
3	RK2	Mounting profile of the box 135, 160, 200
4	RK3	Top profile of the box 135, 160, 200
5	RK50	Outer cover of the box 160
	RK50 R	Outer cover of the box 160 - grooved
6	RK-16	Single guide
7	E-R265	Belt guide
8	RW2	Thermal insulation of the box 160
9	RKZ66	Steel side handle for box
10	LO28/10	Bearing 28/10 for PVC
	LO28/12 PCV	Bearing 28/12 for PVC
11	OBS-40-PCV	40 mounting for PVC with pin
	OBS-60-PCV	60 mounting for PVC with pin
12	PZ40/50	Expansion ring
	PZ60/70	Expansion ring
13	SW 40	Octagonal pipe ø 40
	SW 60	Octagonal pipe ø 60
14	RKZ71	Winding wheel for box 160
15	RA-10	Steel box reinforcement 135, 160, 200 - large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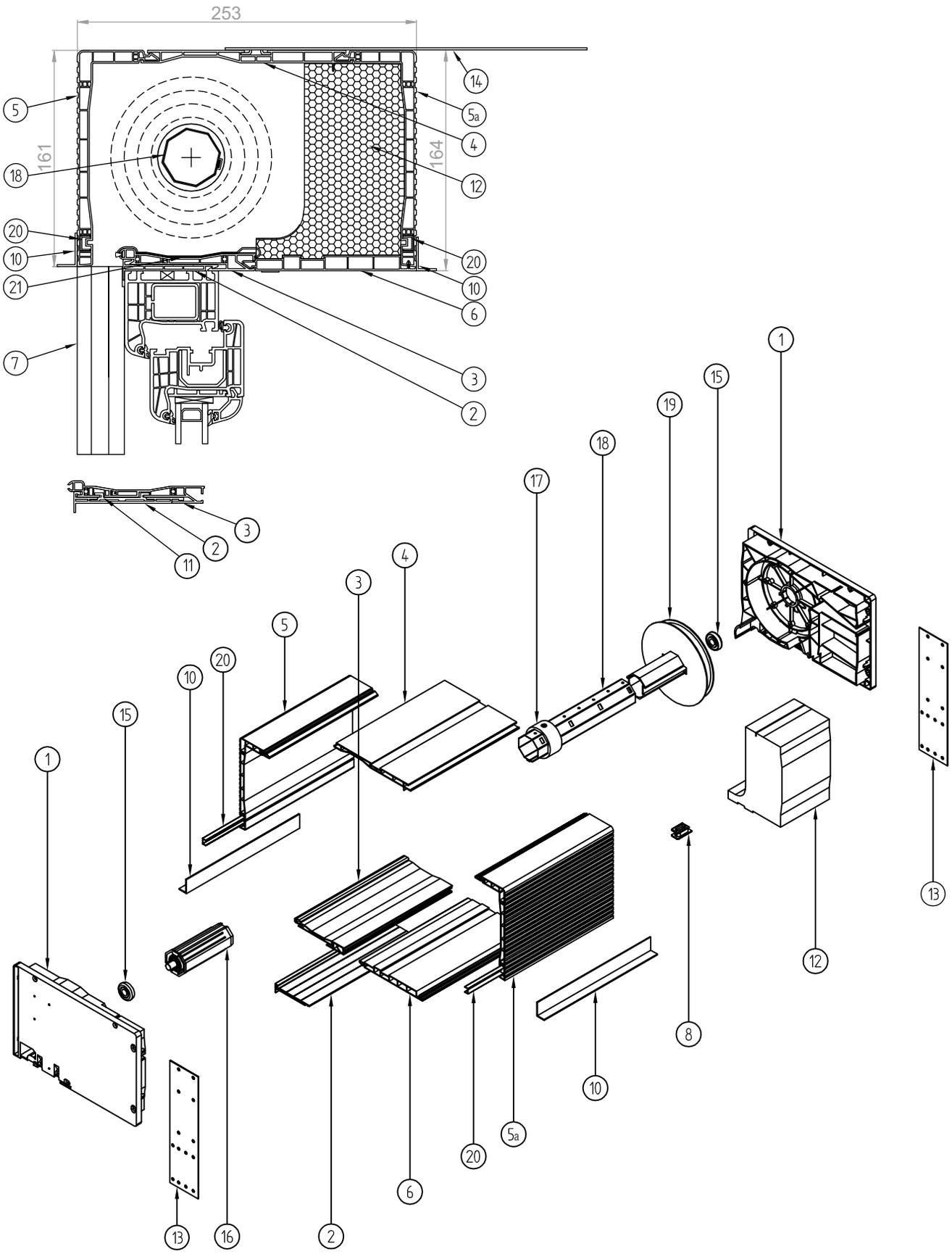
CC1000® box 200 - cross-section and parts list

1	RF300	Side of the box 200
2	RN	Adaptation profile
3	RK2	Mounting profile of the box 135, 160, 200
4	RK3	Top profile of the box 135, 160, 200
5	RK60	Outer cover of the box 200
	RK60 R	Outer cover of the box 200 - grooved
6	RK-16	Single guide
7	E-R265	Belt guide
8	RW3	Thermal insulation of the box 200
9	RKZ66	Steel side handle for box
10	LO28/10	Bearing 28/10 for PVC
	LO28/12 PCV	Bearing 28/12 for PVC
11	OBS-40-PCV	40 mounting for PVC with pin
	OBS-60-PCV	60 mounting for PVC with pin
12	PZ40/50	Expansion ring
	PZ60/70	Expansion ring
13	SW 40	Octagonal pipe ø 40
	SW 60	Octagonal pipe ø 60
14	RKZ72	Winding wheel for box 200
15	RA-10	Steel box reinforcement 135, 160, 200 - large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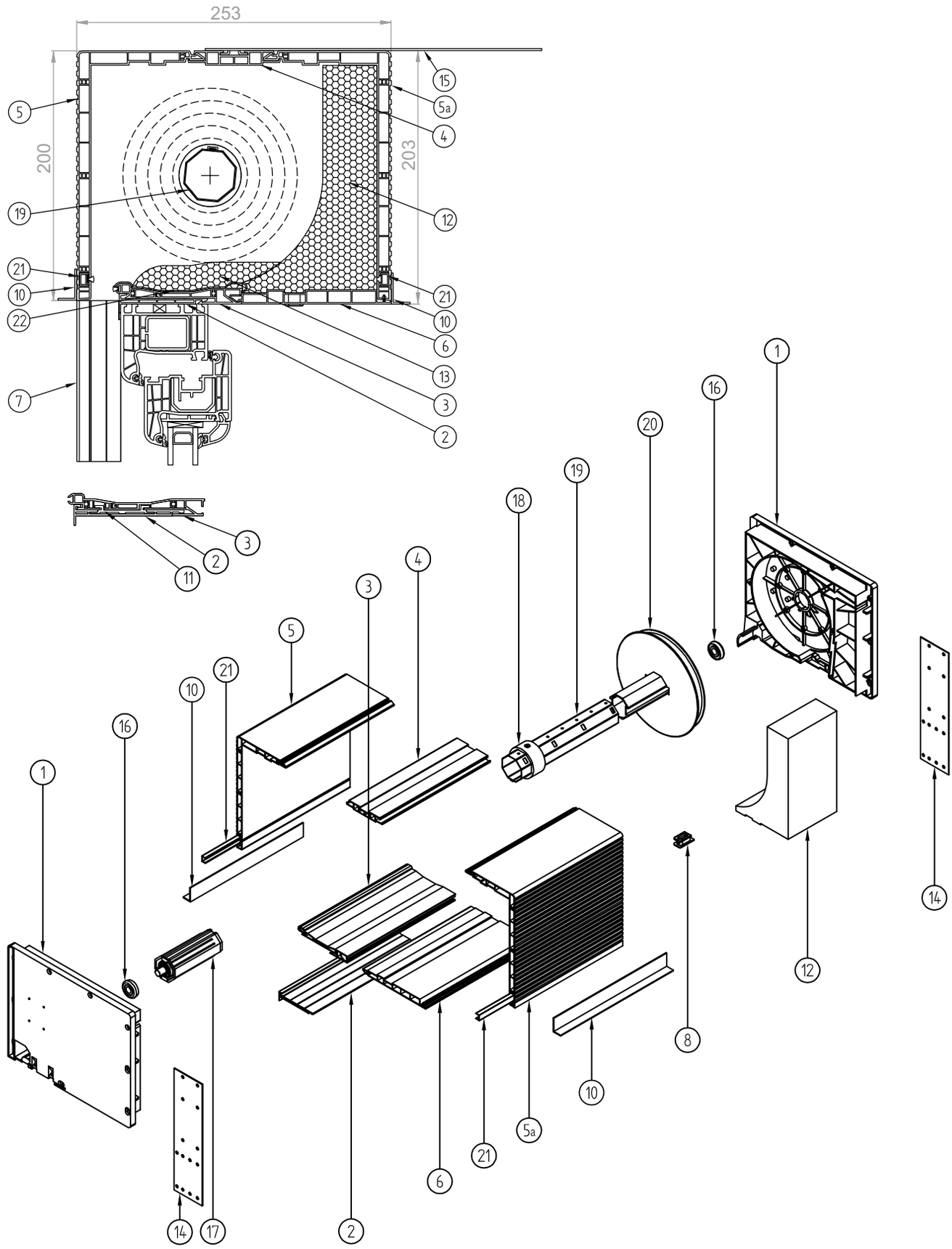
TL1000® box 160 - cross-section and parts list

1	BPRM 200	Side of the box 160
2	RN	Universal adaptation profile
	RN1-70 B	Universal adaptation profile 70 mm
3	RK2-70	Mounting profile of the box 160, 200
4	PGL 1-K	Top profile of the box
5	RK50	Profile of the box 160 side
	RK50 R	Profile of the box 160 side grooved
5a	RKT50	Inner cover of the box 160
	RKTR50	Inner cover of the box 160 - grooved
6	PKL1	Inspection cover of the box 160, 200
7	RK-16	Single guide
8	E-R265	Belt guide
10	LT	Concealed lath
11	NPL-020	Adapter aluminium insert
12	BPRN 200	Styrofoam insert of the box 160
13	RKZ66	Steel side handles
14	SKM-TL1000	Steel mounting anchor
15	LO 28/10	Bearing 28/10 for PVC
	LO28/12 PCV	Bearing 28/12 for PVC
16	OBS-40-PCV	40 mounting for PVC with pin
	OBS-60-PCV	60 mounting for PVC with pin
17	PZ40/50	Expansion ring
	PZ60/70	Expansion ring
18	SW 40	Octagonal pipe ø 40
	SW 60	Octagonal pipe ø 60
19	RKZ71	Winding wheel for box 160
20	RA-2-00 7 MM	Steel box reinforcement 160, 200 - small
21	RA-10	Steel box reinforcement 135, 160, 200 - large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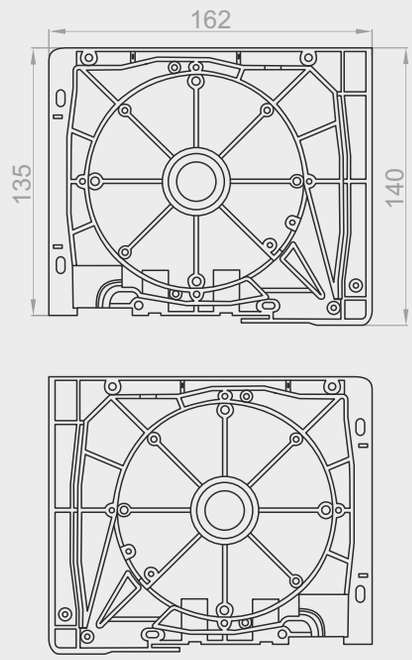
TL1000® box 200 - cross-section and parts list

1	BPRM 300	Side of the box 200
2	RN1	Universal adaptation profile
	RN1-70	Universal adaptation profile 70 mm
3	RK2-70	Mounting profile of the box 160, 200
4	PGL 2-K	Top profile of the box
5	RK60	Profile of the box 200 side
	RK60 R	Profile of the box 200 side grooved
5a	RKT60	Inner cover of the box 200
	RKTR60	Inner cover of the box 200 - grooved
6	PKL1	Inspection cover of the box 160, 200
7	RK-16	Single guide
8	E-R265	Belt guide
10	LT	Concealed lath
11	NPL-020	Adapter aluminium insert
12	BPRN 300	Styrofoam insert of the box 200
13	BPRN 300 2/S	Bottom styrofoam insert of the box 200
14	RKZ66	Steel side handles
15	SKM-TL1000	Steel mounting anchor
16	LO 28/10	Bearing 28/10 for PVC
	LO28/12 PCV	Bearing 28/12 for PVC
17	OBS-40-PCV	40 mounting for PVC with pin
	OBS-60-PCV	60 mounting for PVC with pin
18	PZ40/50	Expansion ring
	PZ60/70	Expansion ring
19	SW 40	Octagonal pipe ø 40
	SW 60	Octagonal pipe ø 60
20	RKZ72	Winding wheel for box 200
21	RA-2-00 7 MM	Steel box reinforcement 160, 200 - small
22	RA-10	Steel box reinforcement 135, 160, 200 - large



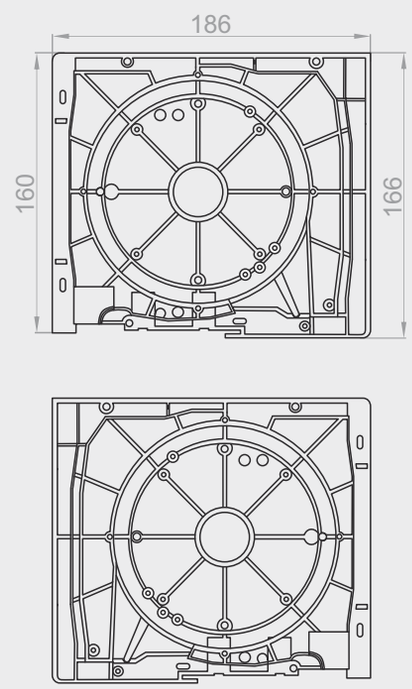
RF100 L

Side of the box 135 left

RF100 P

Side of the box 135 right

CC1000 BOX 135
ABS 1pc 0,175kg



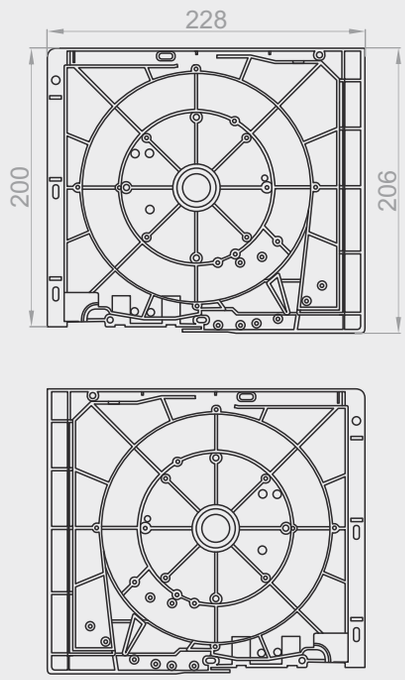
RF200 L

Side of the box 160 left

RF200 P

Side of the box 160 right

CC1000 BOX 160
ABS 1pc 0,235kg



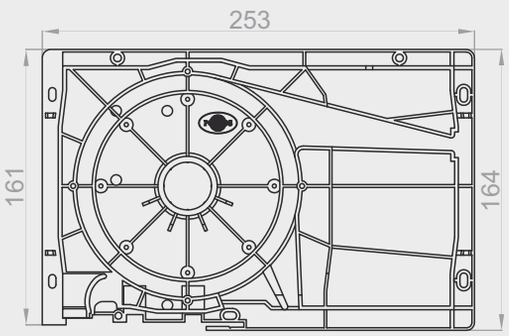
RF300 L

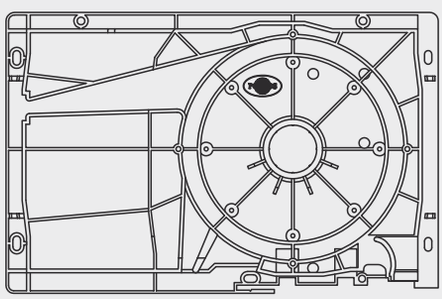
Side of the box 200 left

RF300 P

Side of the box 200 right

CC1000 BOX 200
ABS 1pc 0,31kg





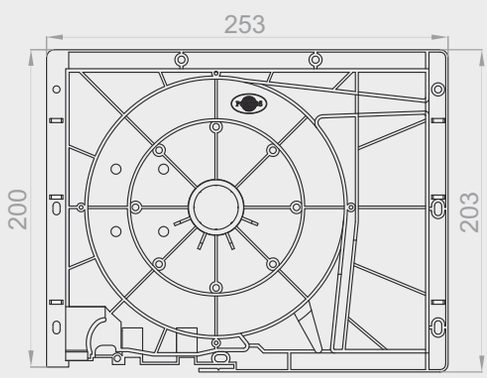
BPRM 200 L

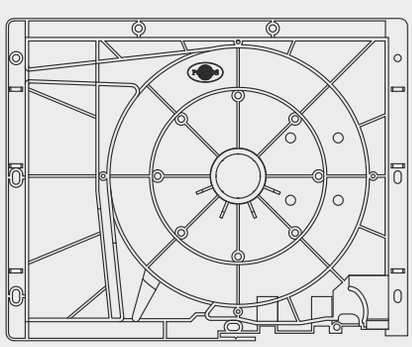
Side of the box 160 left

BPRM 200 P

Side of the box 160 right

TL1000 BOX 160
ABS 1pc 0,275kg





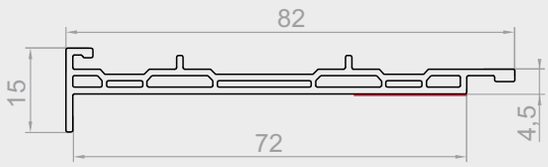
BPRM 300 L

Side of the box 200 left

BPRM 300 P

Side of the box 200 right

TL1000 BOX 200
ABS 1pc 0,315kg

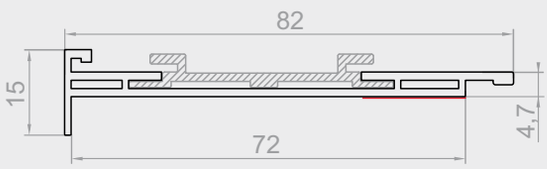


RN 1-70 B

Universal adaptation profile
For window profiles:

Kömmerling (EuroFutur Classic 70mm, Elegance 70mm,
MD Classic 70mm, MD Classic półzlicowany 70mm)
KBE (System z uszczelką przylegową 58mm, 70mm)
Rehau (Geneo 86mm)
Oknoplast Kraków (70mm)
Schüco (Corona CT 70 70mm)
Salamander (Salamander 3D 76mm, SL 76mm, Vision 76mm)
Deceuninck (Zendöw 3k 70mm, projekt 3000 70mm)
Deceuninck - Thyssen (Prestige 76mm,
Prestige Passiv-Haus 76mm)
Wymar (Wymar 60 60mm, Wymar 72 70mm)
Decco (7010 70mm)
Brügmann (AD 73mm, MD 73mm)

PVC
TL1000
Max. 6rm



RN 1-70

Universal adaptation profile
For window profiles:

Kömmerling (EuroFutur Classic 70mm, Elegance 70mm, MD Classic 70mm,
MD Classic półzlicowany 70mm)
KBE (System z uszczelką przylegową 58mm, 70mm)
Rehau (Geneo 86mm), Oknoplast Kraków (70mm)
Schüco (Corona CT 70 70mm)
Salamander (Salamander 3D 76mm, SL 76mm, Vision 76mm)
Deceuninck (Zendöw 3k 70mm, projekt 3000 70mm)
Deceuninck - Thyssen (Prestige 76mm,
Prestige Passiv-Haus 76mm)
Wymar (Wymar 60 60mm, Wymar 72 70mm)
Decco (7010 70mm)
Brügmann (AD 73mm, MD 73mm)

PVC
TL1000
Max. 6rm

NPL-020

Adapter aluminium insert RN 1-70.

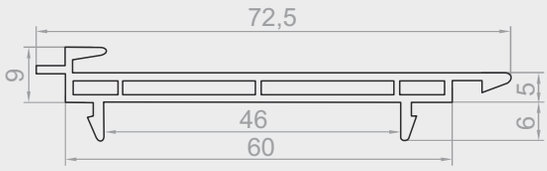
ALU
TL1000
Max. 6rm

RN1

Adaptation profile
For window profiles:

Kömmerling (EuroFutur Classic 70mm, Elegance 70mm,
MD Classic 70mm, MD Classic półzlicowany 70mm)
KBE (System z uszczelką przylegową 58mm, 70mm)
Rehau (Geneo 86mm)
Oknoplast Kraków (70mm)
Schüco (Corona SI 82, 82+; 82 mm)
Salamander (Salamander 3D 76mm, SL 76mm, Vision 76mm)
Deceuninck (Zendöw 3k 70mm, projekt 3000 70mm)
Deceuninck - Thyssen (Prestige 76mm,
Prestige Passiv-Haus 76mm)
Wymar (Wymar 60 60mm, Wymar 72 70mm)
Decco (7010 70mm)
Aluplast (Ideal 7000 80mm)

CC1000
PVC
TL1000
Max. 6rm

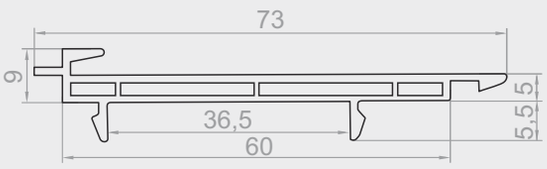


RN5

Adaptation profile
For window profiles:

Veka (Softline 58mm, 70mm)
Kömmerling (58mm)
Deceuninck (Zendőw 5k 70mm, Zendőw 70 70mm)
Deceuninck-Thyssen (Optima 71mm)

CC1000 PVC
TL1000 Max. 6rm

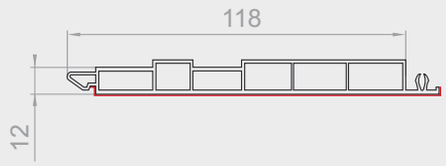


RN10

Adaptation profile
For window profiles:

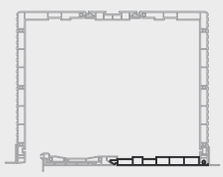
Aluplast (Ideal 2000 60mm, 4000 70mm, 5000 70mm)
Drutex (Iglo 5 70mm)

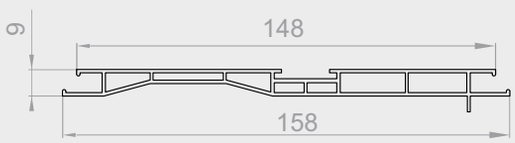
CC1000 PVC
TL1000 Max. 6rm



PKL1

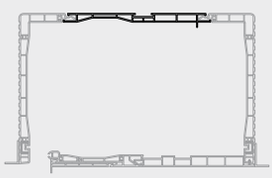
Inspection cover of the box 160, 200.

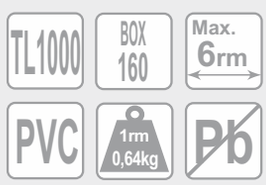


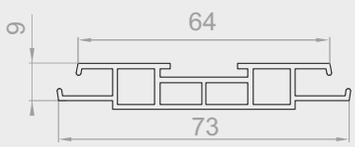


PGL 1-K

Top profile of the box 160.

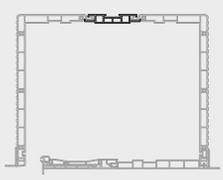


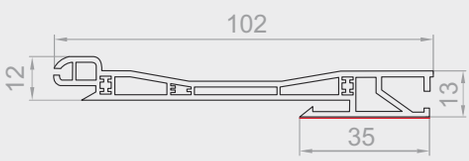




PGL 2-K

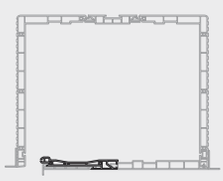
Top profile of the box 200.

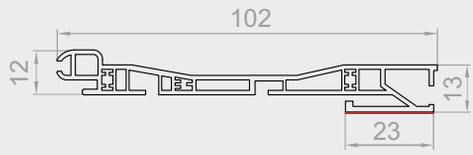




RK2

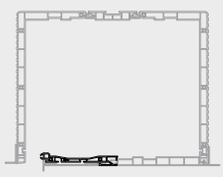
Mounting profile of the box 135, 160, 200.

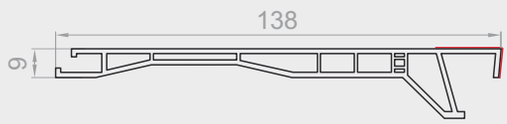




RK2 70

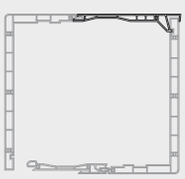
Mounting profile of the box 160, 200.

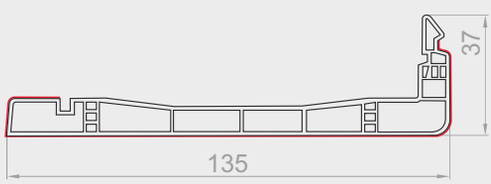




RK 3

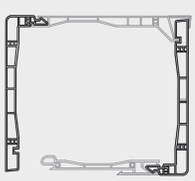
Top profile of the box 135, 160, 200.

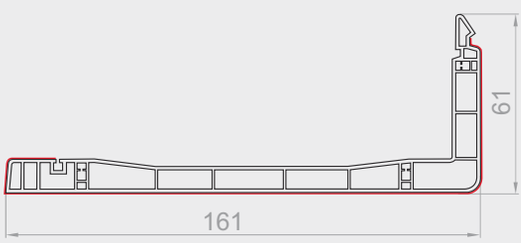




RK 40

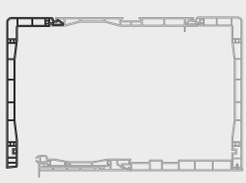
Inner and outer cover of the box 135.

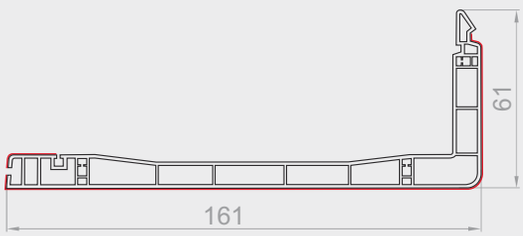




RK 50

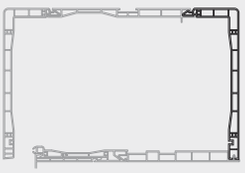
Outer cover of the box 160 - TL1000.
Inner and outer cover of the box 160 - CC1000.

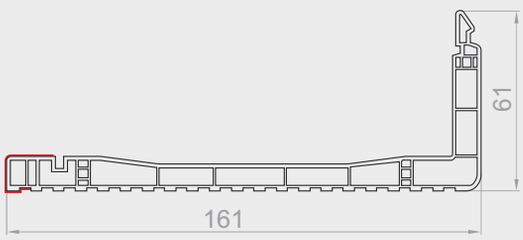




RKT 50

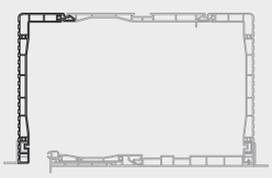
Inner cover of the box 160.

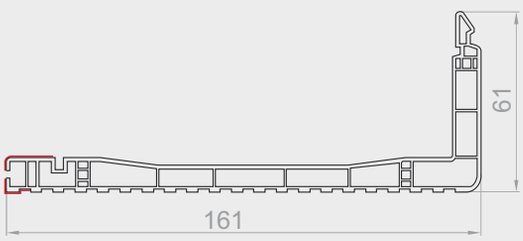




RK50 R

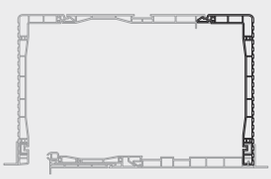
Outer cover of the box 160 - grooved - TL1000.
Outer cover of the box 160 - grooved - CC1000.

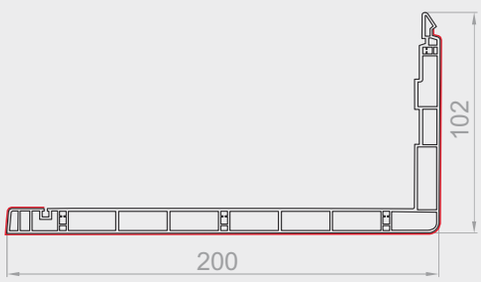




RKTR 50

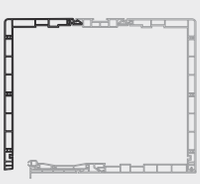
Inner cover of the box 160 - grooved.

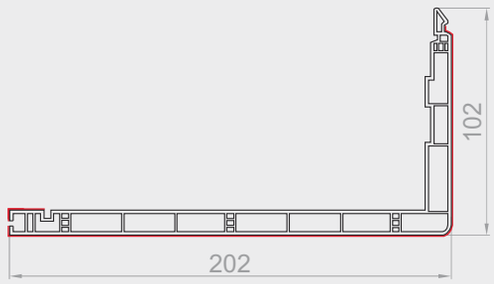




RK 60

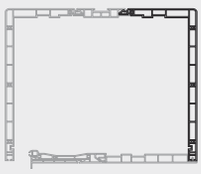
Outer cover of the box 200 - TL1000.
Inner and outer cover of the box 200 - CC1000.

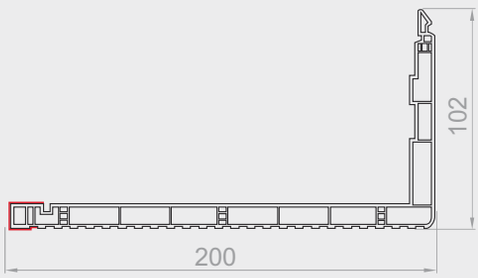




RKT 60

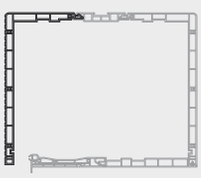
Inner cover of the box 200.





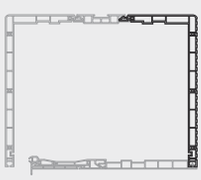
RK60 R

Outer cover of the box 200 - grooved - TL1000.
Outer cover of the box 200 - grooved - CC1000.



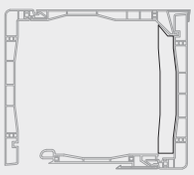
RKTR 60

Inner cover of the box 200 - grooved.



RW 1

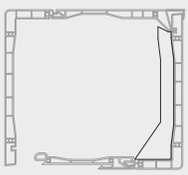
Thermal insulation of the box 135 mm.



BOX 135
CC1000 Max. 1rm

RW 2

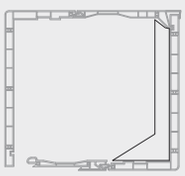
Thermal insulation of the box 160 mm.



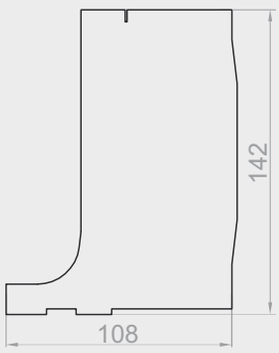
BOX 160
CC1000 Max. 1rm

RW 3

Thermal insulation of the box 200 mm.

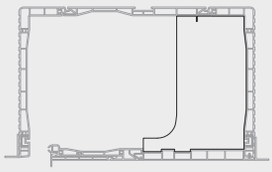


BOX 200
CC1000 Max. 1rm

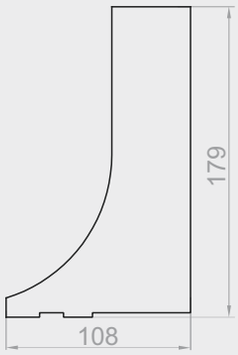


BPRN 200

Styrofoam insert of the box 160.

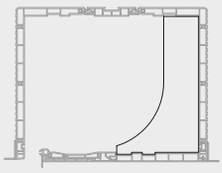


BOX 160
TL1000 Max. 1,5rm



BPRN 300

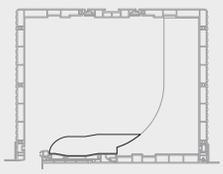
Styrofoam insert of the box 200.



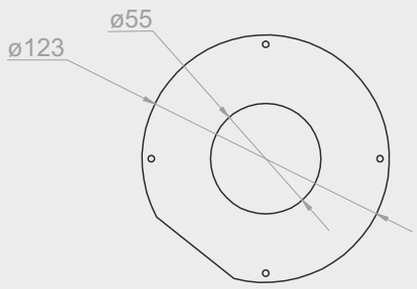
BOX 200
TL1000
Max. 1,5rm

BPRN 300 2/S

Bottom styrofoam insert of the box 200.

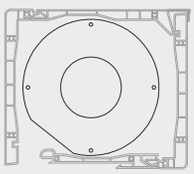


BOX 200
TL1000
Max. 1,5rm

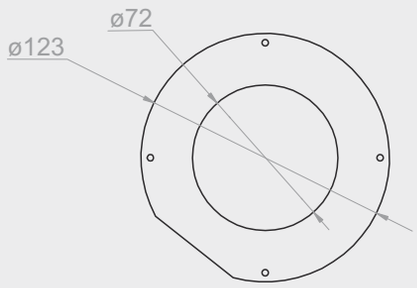


OWCT 135/40

Inner cover of the box 135 mm for pipe ø40.

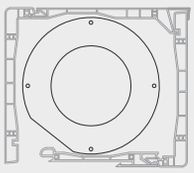


BOX 135
CC1000
1pc 0,07kg

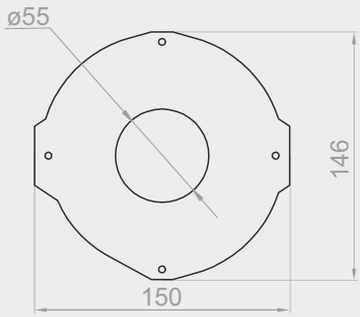


OWCT 135/60

Inner cover of the box 135 mm for pipe ø60.

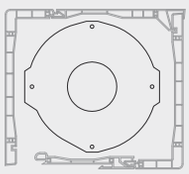


BOX 135
CC1000
1pc 0,05kg

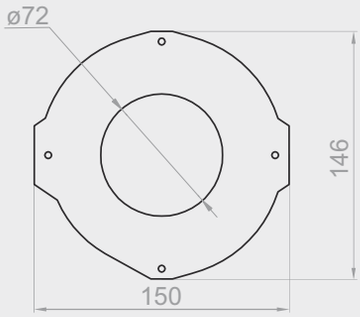


OWCT 160/40

Inner cover of the box 160 mm for pipe ø40.

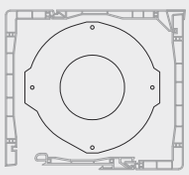


CC1000 BOX 160
TL1000 1pc 0,11kg

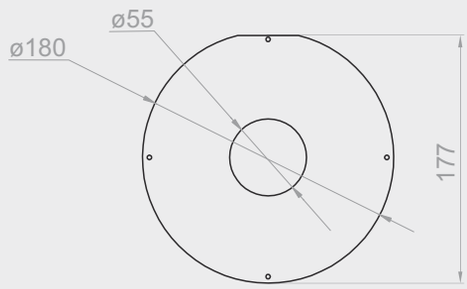


OWCT 160/60

Inner cover of the box 160 mm for pipe ø60.

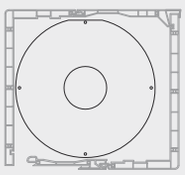


CC1000 BOX 160
TL1000 1pc 0,10kg

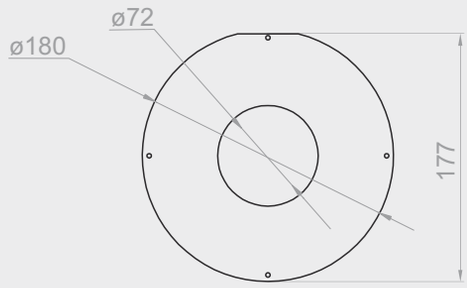


OWCT 200/40

Inner cover of the box 200 mm for pipe ø40.

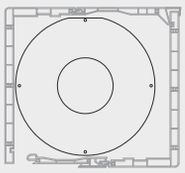


TL1000 | BOX 200 | CC1000 | 1pc 0,18kg

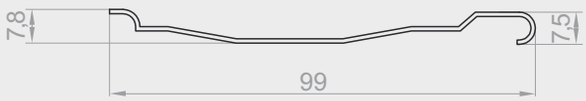


OWCT 200/60

Inner cover of the box 200 mm for pipe ø60.

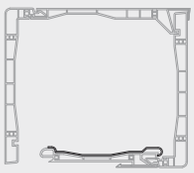


TL1000 | BOX 200 | CC1000 | 1pc 0,16kg

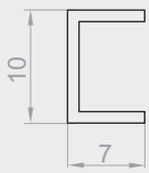


RA-10 99mm

Steel box reinforcement 135, 160, 200 - large.



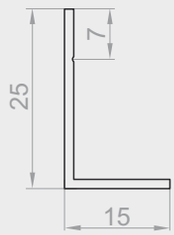
CC1000 | BOX 135,160,200 | TL1000 | Max. 6rm



RA-2-00 7 MM

Steel box reinforcement 160, 200 - small
(for the concealed lath).

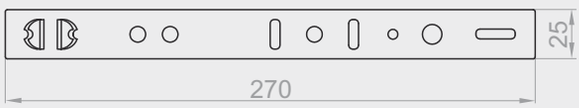
BOX 160, 200 | TL1000 | Max. 6rm



LT

Concealed lath of the box 160, 200.

BOX 160, 200
TL1000
Max. 6rm



SKM-TL1000

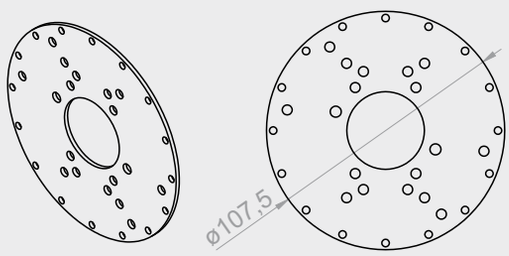
Steel mounting anchor.

BOX 160,200
TL1000
1pc 0,06kg

RKZ 66

Steel side handle for box.

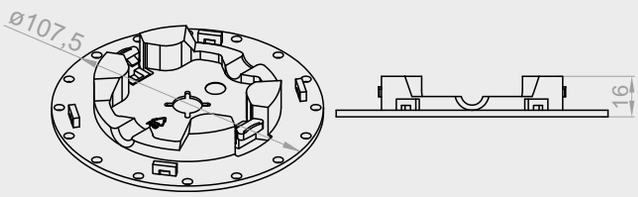
CC1000
BOX 135,160,200
TL1000
1pc 0,15kg



RKZ 56

Plate for installation of motors.

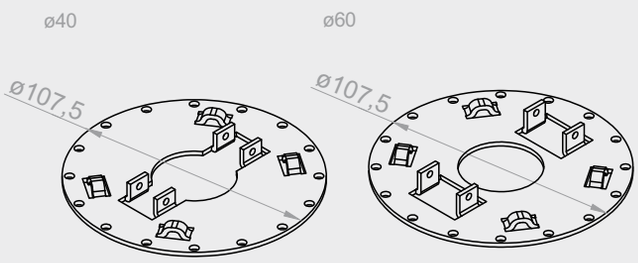
CC1000
BOX 135,160,200
TL1000
1pc 0,13kg



US-PADS 60

Plate for installation of motors for ø60 pipe.

PA6
1pc 0,03kg



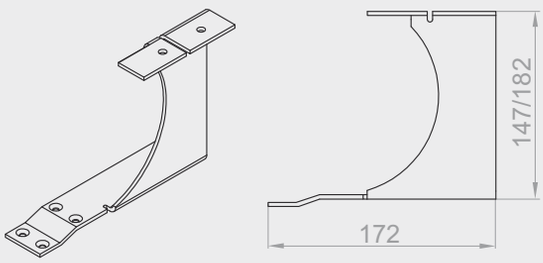
RKZ P4

Plate for installation of motors for ø40 pipe.

RKZ P6

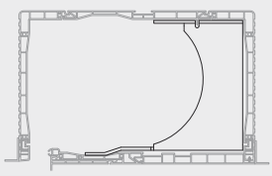
Plate for installation of motors for ø60 pipe.

BOX 135,160,200
CC1000 TL1000

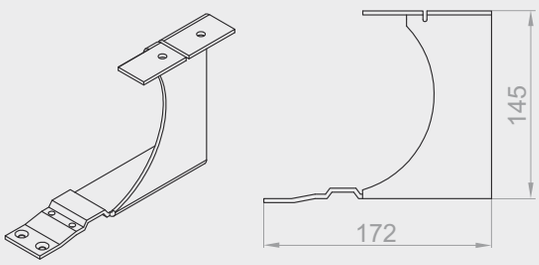


KNS-160

Stabilizing console for box 160 without reinforcement.



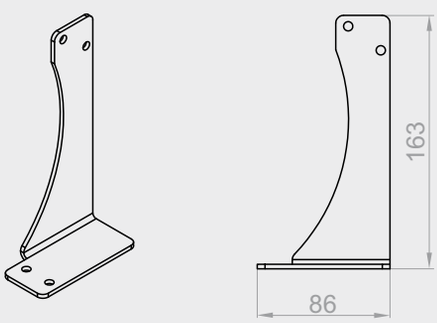
BOX 160
TL1000 1pc 0,39kg



KNS-WSP-160

Stabilizing console for box 160 with reinforcement.

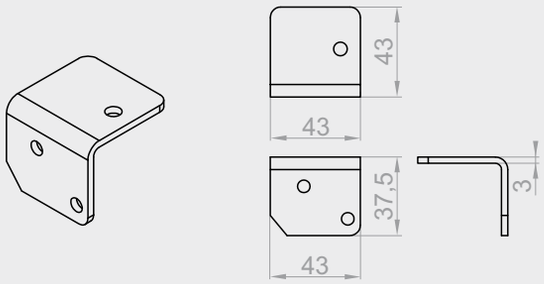
BOX 160
TL1000 1pc 0,39kg



KNST-200

Component of the stabilizing console for box 200 with / without reinforcement.

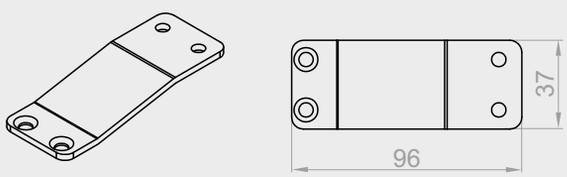
TL1000 BOX 200



KNST-030

Upper connector of the stabilizing console for box 200 with / without reinforcement.

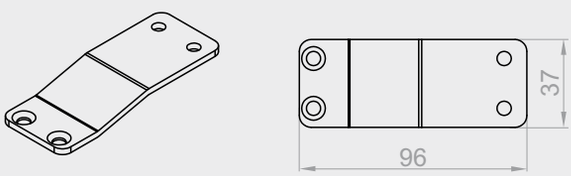
TL1000 BOX 200



KNST-040

Lower connector of the stabilizing console for box 200 without reinforcement.

TL1000 BOX 200



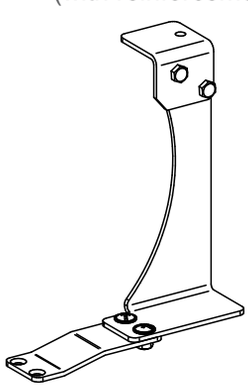
KNST-050

Lower connector of the stabilizing console for box 200 with reinforcement.

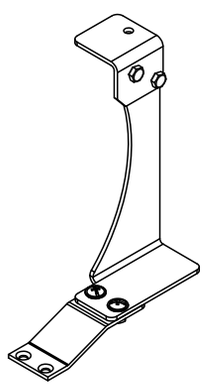
TL1000 BOX 200

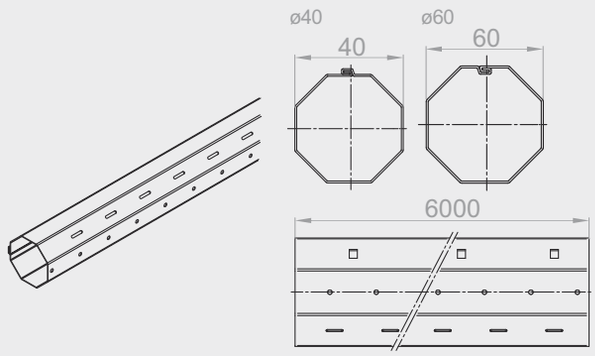
View of the stabilizing console with connectors.

KNSK-WSP-200
(with reinforcement)



KNSK-200
(without reinforcement)



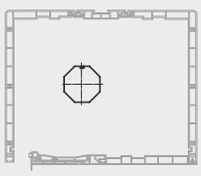


SW 40

Octagonal pipe ø 40.

SW 60

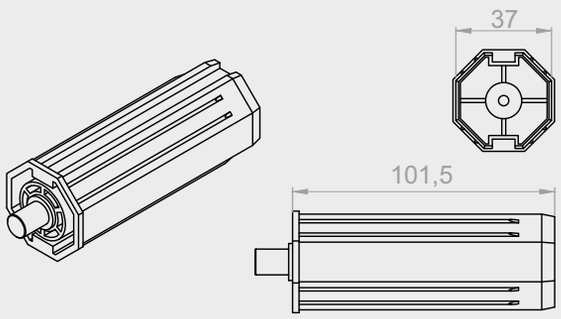
Octagonal pipe ø 60.



ø40 1rm 0,66kg

Max. 6mb

ø60 1rm 0,96kg

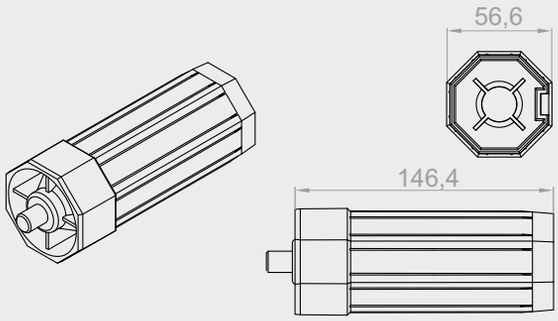


OBS-40-PVC

PVC mounting with pin for pipe ø 40.

ABS

1pc 0,04kg

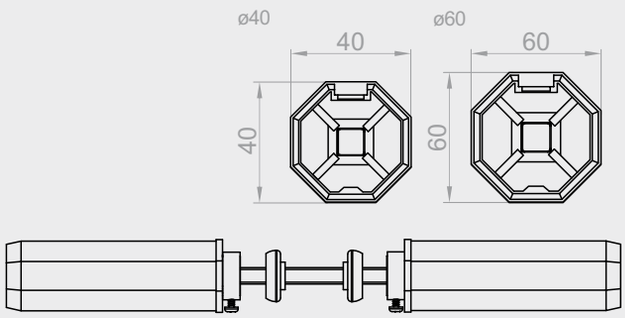


OBS-60-PVC

PVC mounting with pin for pipe ø 60.

ABS

1pc 0,14kg



RKZ 34

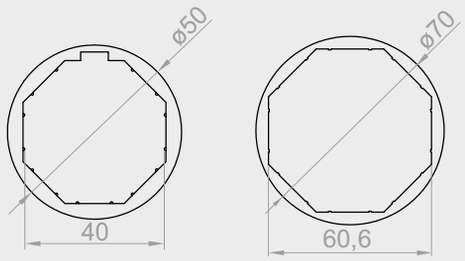
Roller bolt for ø 40 pipe
(to transfer power).

RKZ 35

Roller bolt for ø 60 pipe
(to transfer power).

ø40 1pc 0,34kg

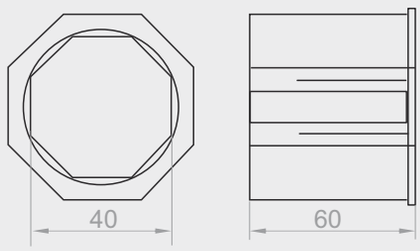
ø60 1pc 0,38kg



PZ 40/50
Expansion ring 40/50.

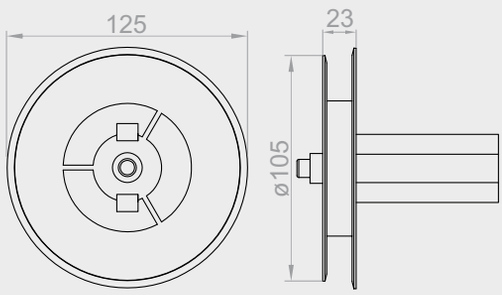
PZ 60/70
Expansion ring 60/70.

ø40 1pc 0,01kg
ø60 1pc 0,03kg



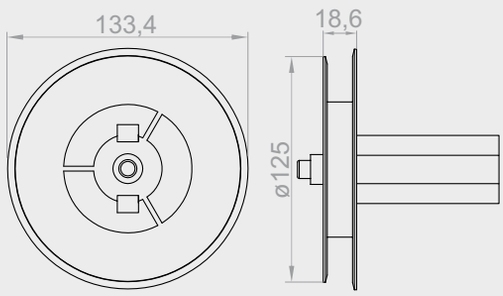
RED-40-60
Reduction 40/60.

1pc 0,05kg



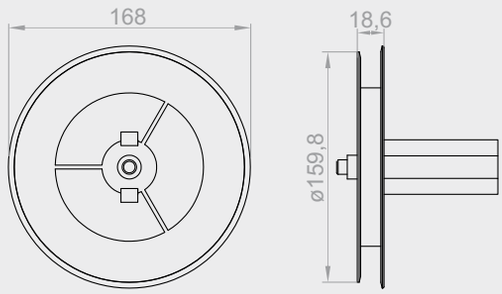
RKZ 70
Winding wheel for box 135.

BOX 135
ABS
1pc 0,10kg



RKZ 71
Winding wheel for box 160.

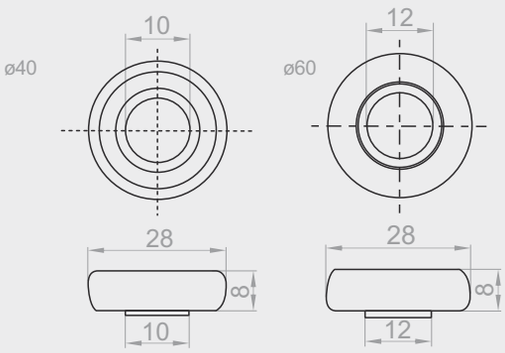
BOX 160
ABS
1pc 0,11kg



RKZ 72

Winding wheel for box 200.

BOX 200
ABS
1pc 0,14kg



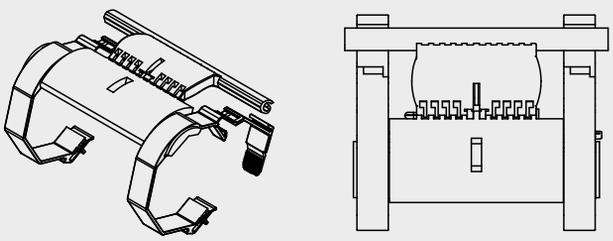
LO-28/10

Bearing for PVC boxes for ø 40.

LO-28/12 PCV

Bearing for PVC boxes for ø 60.

1pc 0,02kg

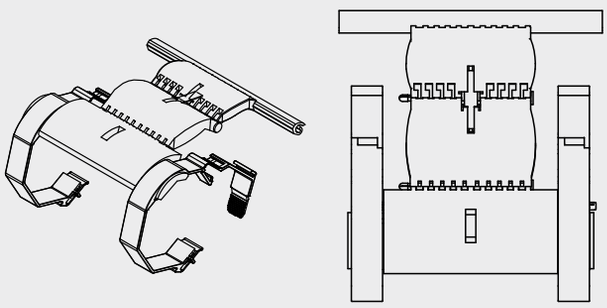


WB1-40 W

2-piece blocking hitch bracket for ø 40 pipe.

WB1-60 W

2-piece blocking hitch bracket for ø 60 pipe.

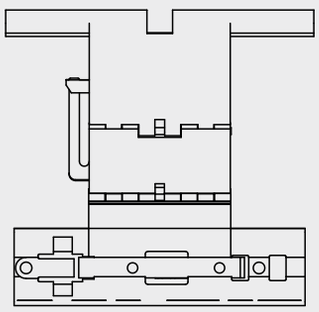


WB3-40 W

3-piece blocking hitch bracket for ø 40 pipe.

WB3-60 W

3-piece blocking hitch bracket for ø 60 pipe.

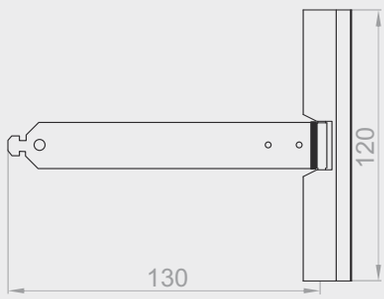


WBZ1-40
1-piece blocking hitch bracket for ø 40 pipe.

WBZ2-40
2-piece blocking hitch bracket for ø 40 pipe.

WBZ1-60
1-piece blocking hitch bracket for ø 60 pipe.

WBZ2-60
2-piece blocking hitch bracket for ø 60 pipe.

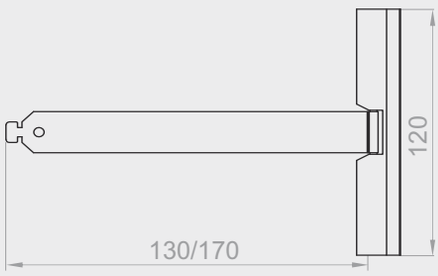


WS-37/40-130
Steel hanger 130.

1pc 0,02kg

WS-37/40-170
Steel hanger 170.

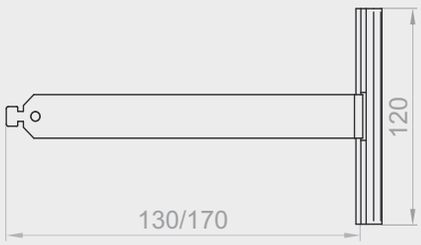
1pc 0,02kg



WS-37/40-130 S
Steel hanger 130 (electrically powered shutters).

WS-37/40-170 S
Steel hanger 170 (electrically powered shutters).

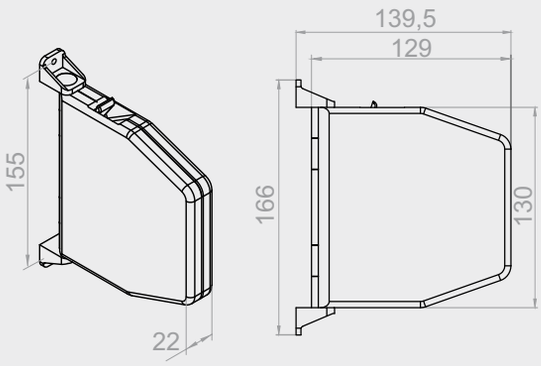
1pc 0,02kg



WS-37/40-130 ALU
Aluminium hanger.

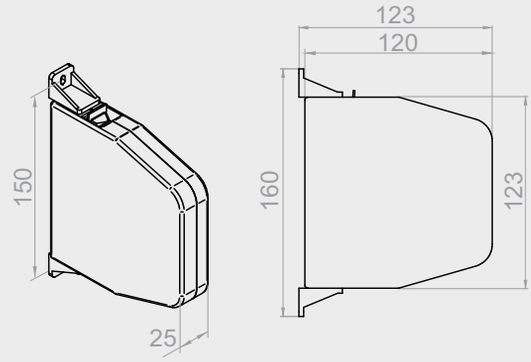
WS-37/40-170 ALU
Aluminium hanger.

1pc 0,02kg



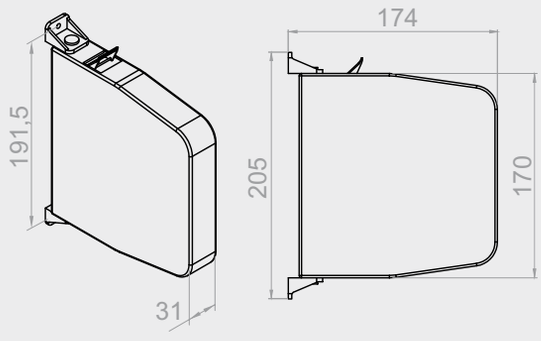
ZT-5M XX
Tape coiler 5m white
Available in colors (XX):
02 - white, 08 - dark brown.

1pc 0,21kg



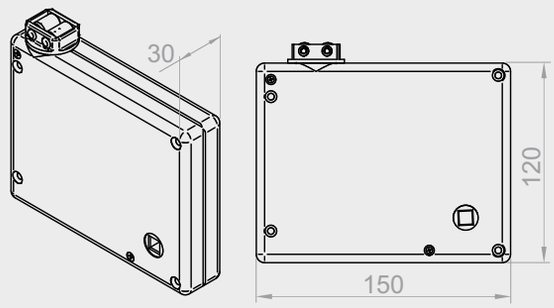
ZT/L-5M-XX
Universal tape / cord coiler up to 5m
Available in colors (XX):
23 - anthracite.

1pc 0,235kg



ZT-11M XX
Tape coiler 11m.
Available in colors (XX):
02 - white, 08 - dark brown.

1pc 0,45kg



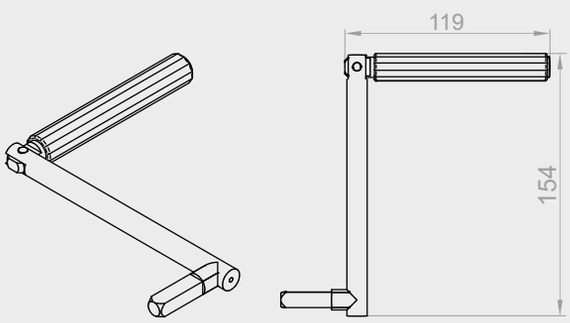
KPTKM-XX

Cassette with tape transmission.
Available in colors (XX):
02 - white, 08 - dark brown.

KPLKM-XX

Cassette with cord transmission.
Available in colors (XX):
02 - white, 08 - dark brown.

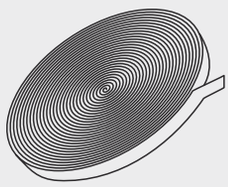
1pc
0,35kg



KRM-140

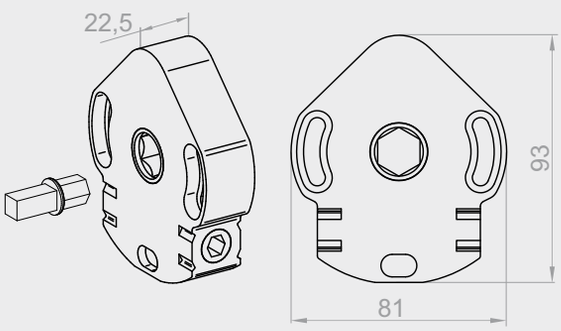
Mignon crank 140 mm.

1pc
0,25kg



TS-14-XX

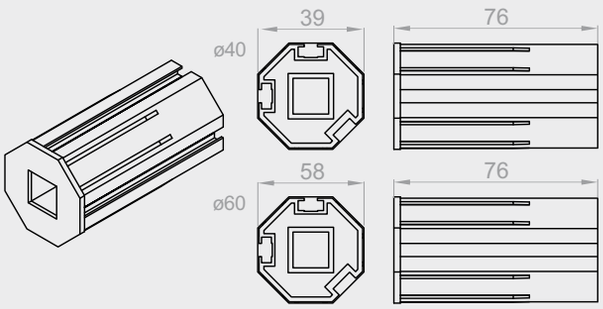
Tape.
Available in colors (XX):
03 - gray, 08 - dark brown, 23 - anthracite.



ACE-1-8 MAŁY

Crank mechanism - 22 kg.

1pc
0,25kg



OBS-40-ACE

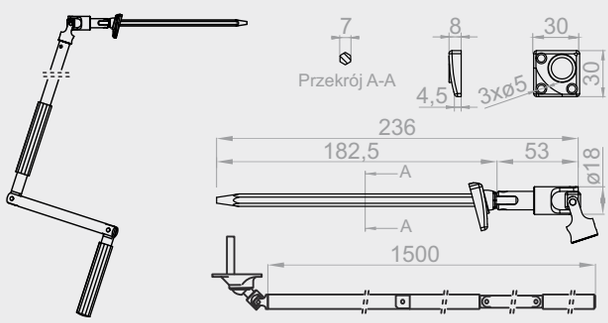
ø40 mounting for the ACE mechanism.

OBS-60-ACE

ø60 mounting for the ACE mechanism.

ø40 1pc 0,03kg

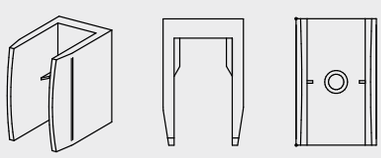
ø60 1pc 0,05kg



KRH-ZF

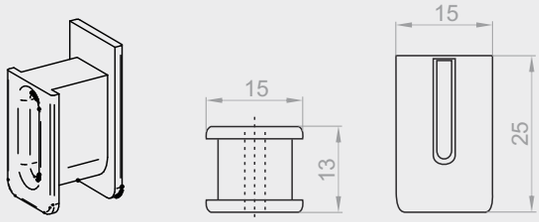
Cardan 165 with 1430 mm crank.

1pc 0,68kg



U-KRD

Handle for mounting the crank.

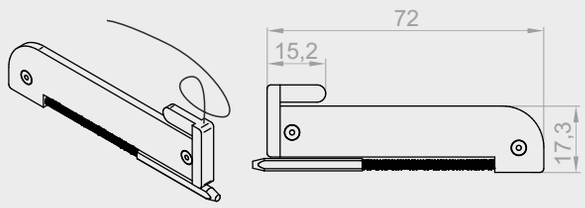


E-R265-6

Belt guide - 02 (white).

E-R265-7

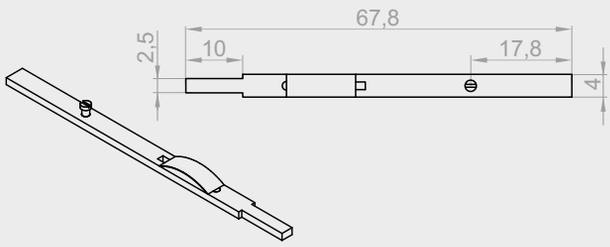
Belt guide - 08 (brown).



RA

Automatic bolt.
Minimum shutter width - 45 cm.
Minimum shutter height - 90 cm.

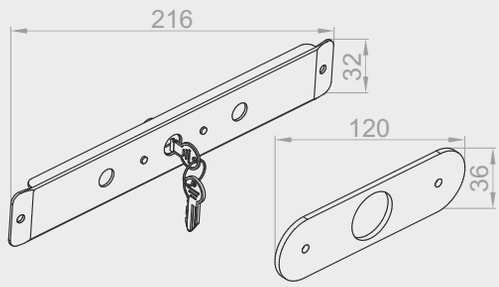
1pc
0,09kg



ZR

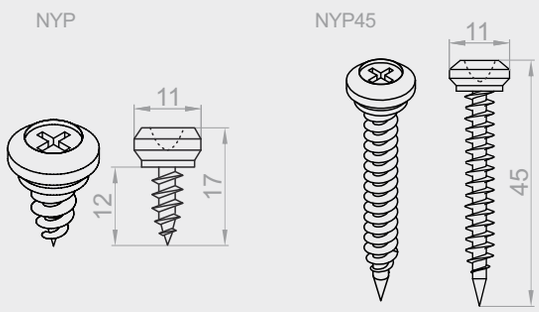
Latch (manual bolt)
Minimum shutter width - 45 cm.

1pc
0,03kg



ZB

Cylinder lock, set of keys (3 pieces) and covering plate.
The covering plate is mounted
as standard from the outside.
Minimum shutter width - 45 cm.
Available in colors (XX):
01 - silver, 02 - white, 03 - gray, 04 - dark beige, 05 - light beige, 07 - light gray, 08 - dark brown, 09 - light brown, 13 - green, 15 - cream white, 16 - ivory, 19 - maroon, 20 - black, 23 - anthracite, 26 - steel olive.

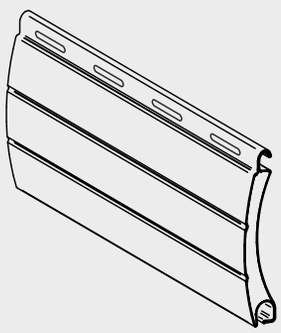


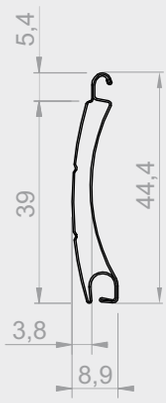
NYP

Guide nipple.

NYP45

45 mm guide nipple.





PA 39/0k

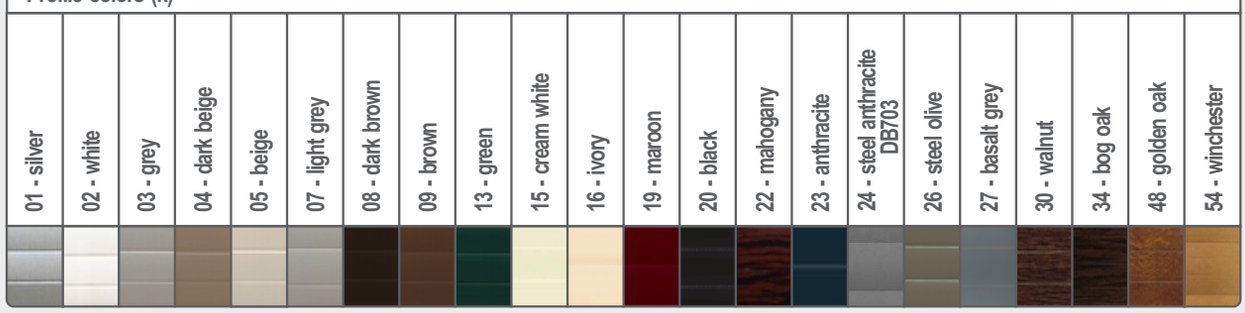
PA 39 Aluminium profile - perforated.

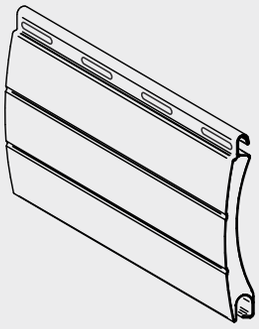
PA 39/1k

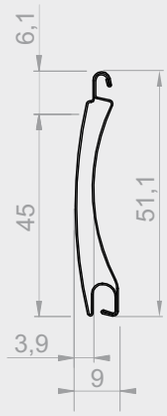
PA 39 Aluminum profile - non-perforated.

Profile height	39 mm
Profile thickness	8,9 mm
Profile weight 1 m^2	2,8 kg
Maximum profile length	6 rm
Number of laths 1m high	26 pcs
Maximum area	6,5 m^2
Maximum shutter width	2500 mm

Profile colors (k)







PA 45/0k

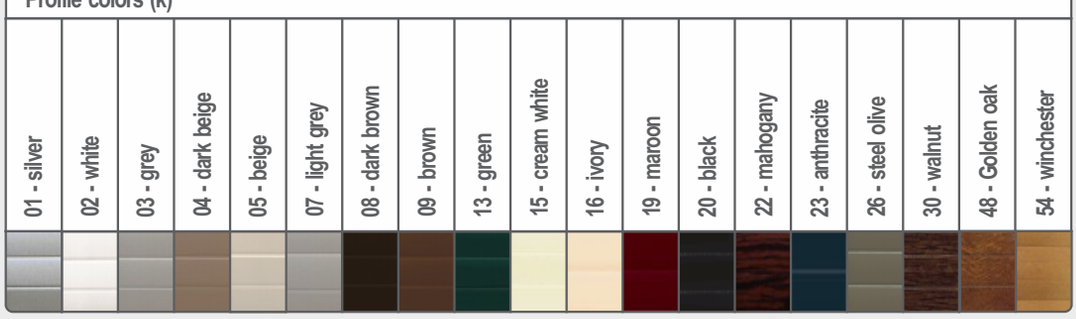
PA 45 Aluminium profile - perforated.

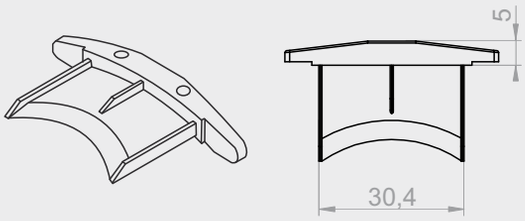
PA 45/1k

PA 45 Aluminum profile - non-perforated.

Profile height	45 mm
Profile thickness	9 mm
Profile weight 1 m^2	2,9 kg
Maximum profile length	5,4 rm
Number of laths 1m high	23 pcs
Maximum area	6,5 m^2
Maximum shutter width	3000 mm

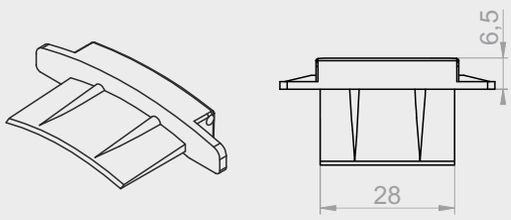
Profile colors (k)





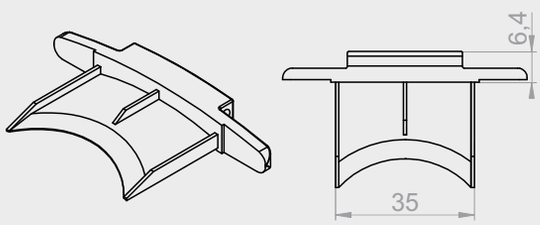
APA 39 M

PA 39 Profile plug.



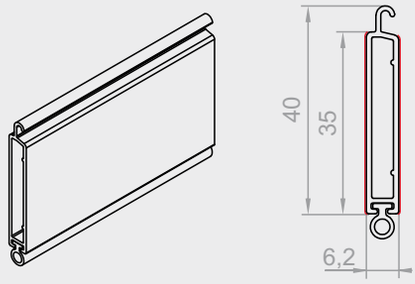
APA 37-R

PA 39 Profile plug bolt.



APA 45-R

PA 45 Profile plug bolt.

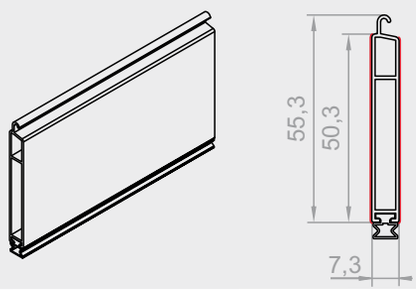


LD-35 MINI

Bottom lath for profiles PA 39 with KA-44B seal.

Index/color (XX)	01 - silver	02 - white	03 - gray	04 - dark beige	05 - light beige	07 - light gray	08 - dark brown	09 - light brown	13 - green	15 - cream white	16 - ivory	19 - maroon	20 - black	22 - mahogany	23 - anthracite	26 - steel olive	27 - basalt gray	30 - walnut	34 - Bog oak	48 - golden oak	54 - winchester
LD-35 MINI XX	x	x	x	x	x	x	x	x	x	x	x	x	x		x	x	x				

1rm 0,24kg

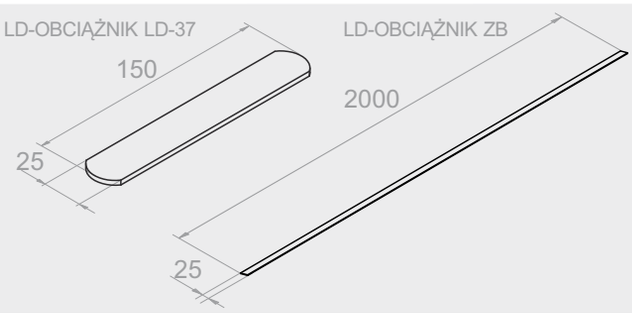


LD-37

Bottom lath for profiles PA 39, PA 45 with KA-44 seal.

Index/color (XX)	01 - silver	02 - white	03 - gray	04 - dark beige	05 - light beige	07 - light gray	08 - dark brown	09 - light brown	13 - green	15 - cream white	16 - ivory	19 - maroon	20 - black	22 - mahogany	23 - anthracite	26 - steel olive	27 - basalt gray	30 - walnut	34 - Bog oak	48 - golden oak	54 - winchester
LD-37 XX	x	x	x	x	x	x	x	x	x	x	x	x	x		x	x	x				

1rm 0,30kg



LD-OBCIĄŻNIK LD-37

Bottom lath weight 15 cm.

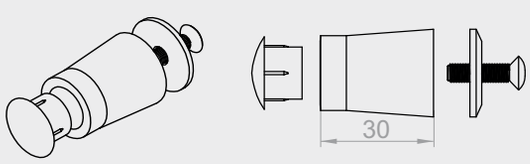
LD-OBCIĄŻNIK ZB

200 cm bottom lath weight - for cylinder lock.

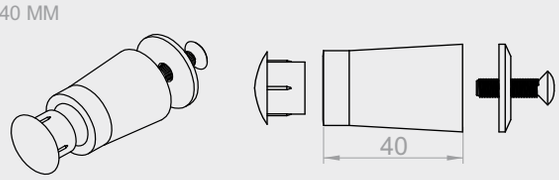
15 1pc 0,09kg

200 1pc 0,76kg

BF



BF-40 MM



BF (without the profile plug) } SET
BF-ZAT

Bottom lath buffer

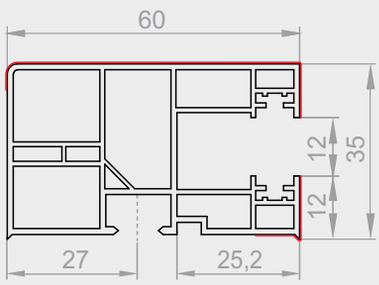
Index/color (XX)	01 - silver	02 - white	03 - gray	04 - dark beige	05 - light beige	07 - light gray	08 - dark brown	09 - light brown	13 - green	15 - cream white	16 - ivory	19 - maroon	20 - black	22 - mahogany	23 - anthracite	26 - steel olive	27 - basalt gray	30 - walnut	34 - Bog oak	48 - golden oak	54 - winchester
BF XX/BF-ZAT XX		x	x	x	x		x	x	x			x	x		x	x	x			x	

BF-40 MM (without the profile plug) } SET
BF-ZAT

Bottom lath buffer

Index/color (XX)	01 - silver	02 - white	03 - gray	04 - dark beige	05 - light beige	07 - light gray	08 - dark brown	09 - light brown	13 - green	15 - cream white	16 - ivory	19 - maroon	20 - black	22 - mahogany	23 - anthracite	26 - steel olive	27 - basalt gray	30 - walnut	34 - Bog oak	48 - golden oak	54 - winchester
BF-40 XX/BF-ZAT XX		x	x	x	x		x	x	x			x	x		x	x	x			x	

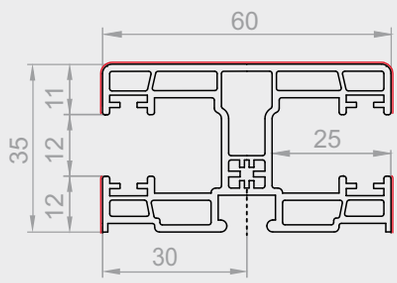
1set 0,01kg



RK-16

Single guide with brush seal.

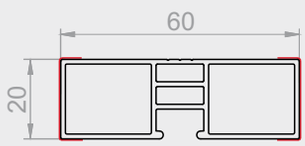
Max. 6rm
PVC
1rm 0,65kg



RK-18

Single / double guide with brush seal.

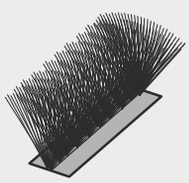
Max. 6rm
PVC
1rm 0,65kg



DP-PCV-20

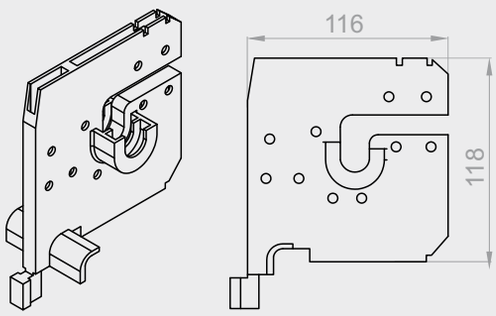
60x20 guide spacer.

Max. 6rm
PVC
1rm 0,37kg



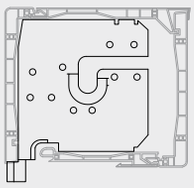
SP-7x6-3P SP

Brush seal for guides.

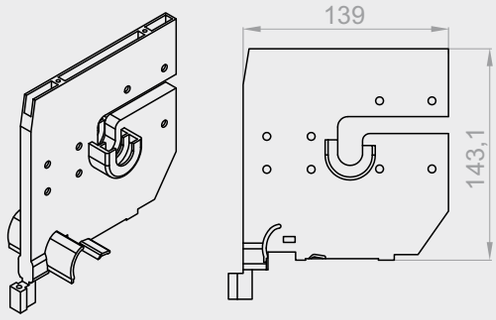


RKM101

135 box division for a double guide.

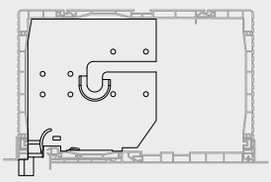


BOX 135
CC1000
1pc 0,1kg

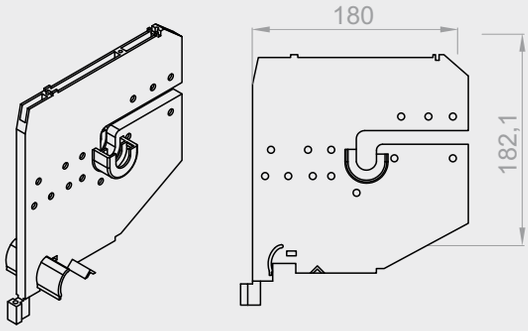


RKM201

160 box division for a double guide.

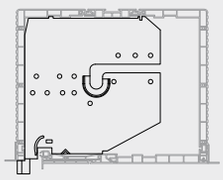


CC1000 BOX 160
TL1000 1pc 0,1kg

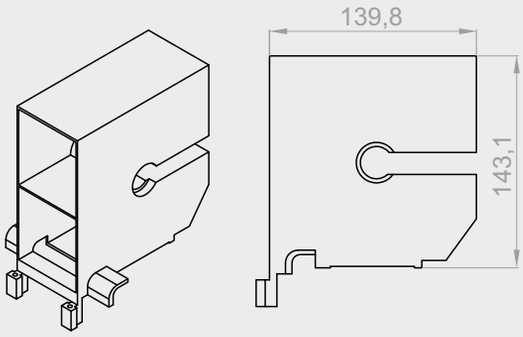


RKM301

200 box division for a double guide.

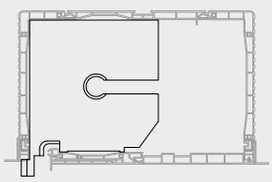


CC1000 BOX 200
TL1000 1pc 0,15kg

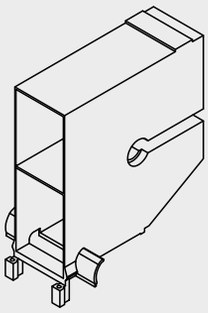


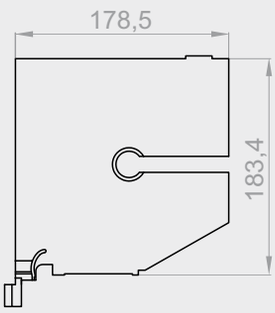
RKB2

160 box division for two single guides.



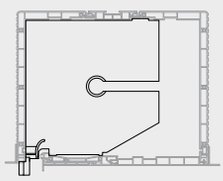
CC1000 BOX 160
TL1000 1pc 0,14kg





RKB3

200 box division for two single guides.

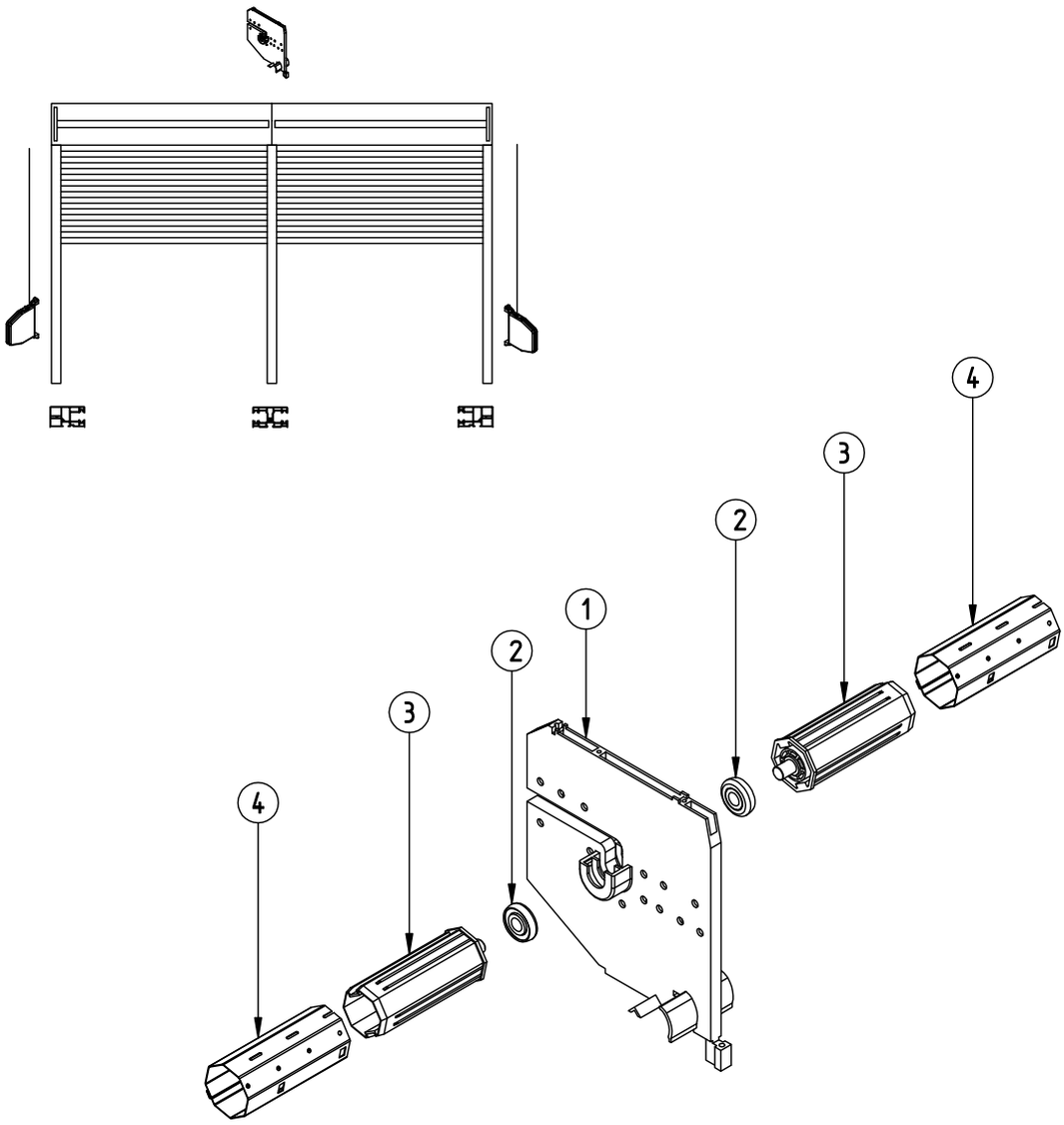


BOX 200

1pc 0,2kg

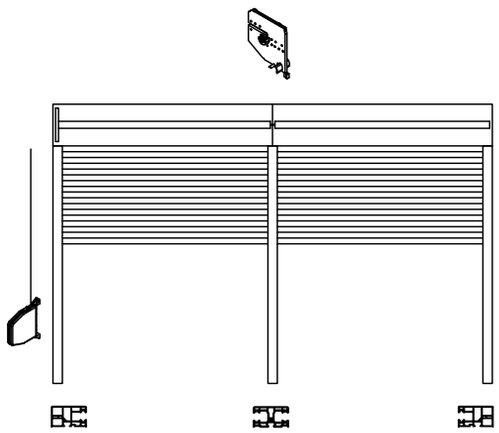
ASSEMBLY DRAWINGS

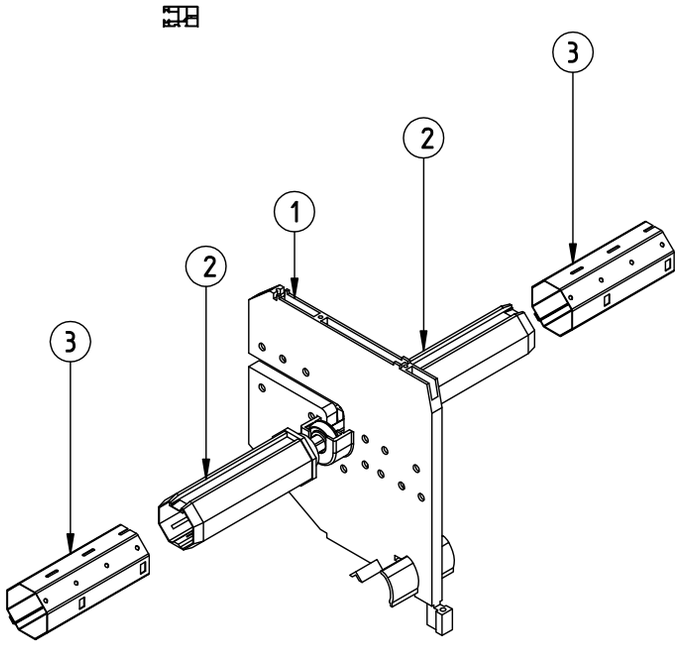
Division for a double guide in a shutter with independent drive.



1	RKM101	135 box division for a double guide
	RKM201	160 box division for a double guide
	RKM301	200 box division for a double guide
2	LO 28/10	Bearing 28/10 for PVC
	LO 28/12 PCV	Bearing 28/12 for PVC
3	OBS-40-PCV	40 mounting for ø 40 pipe with pin
	OBS-60-PCV	60 mounting for ø 60 pipe with pin
4	SW 40	Octagonal pipe ø 40
	SW 60	Octagonal pipe ø 60

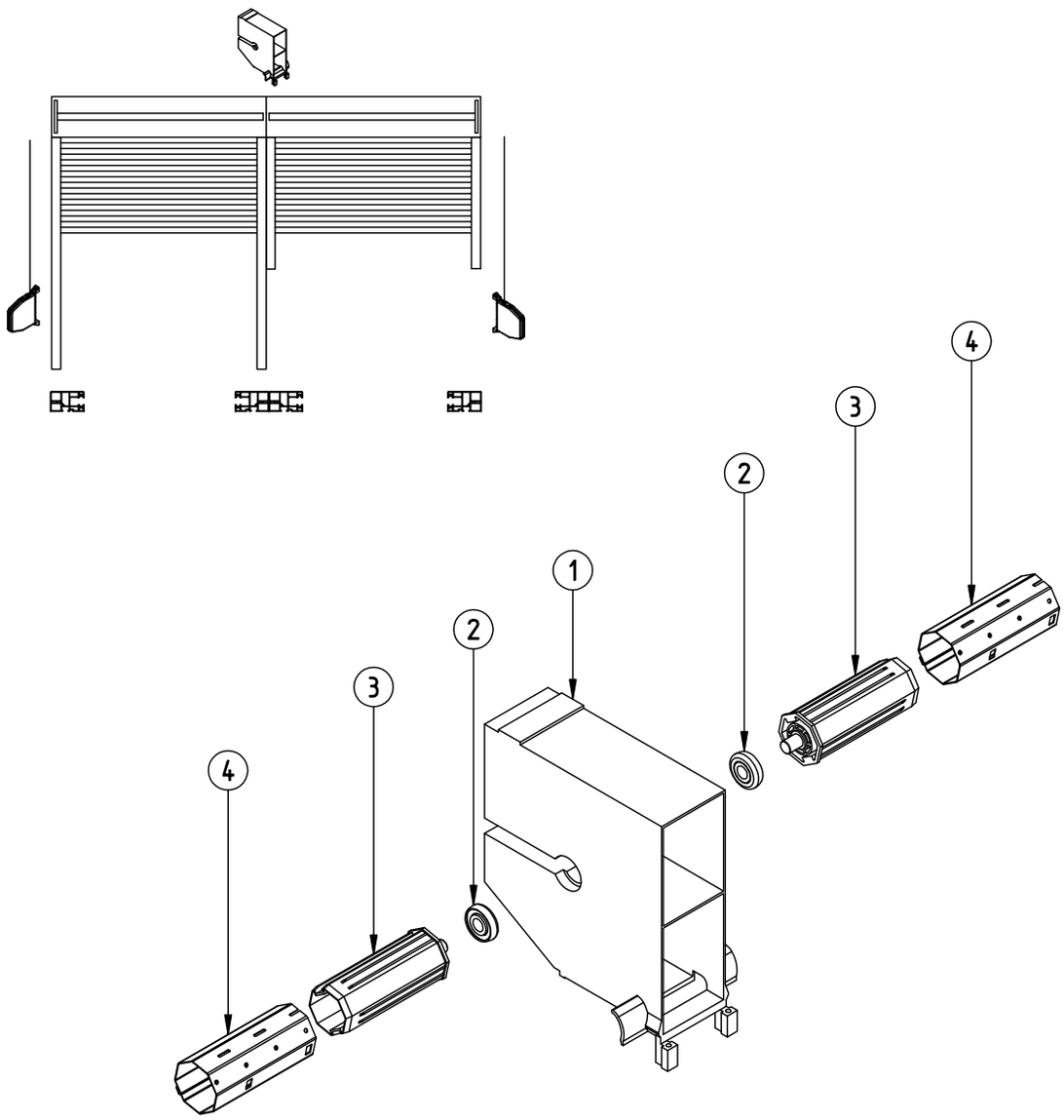
Division for a double guide in a shutter with dependent drive.





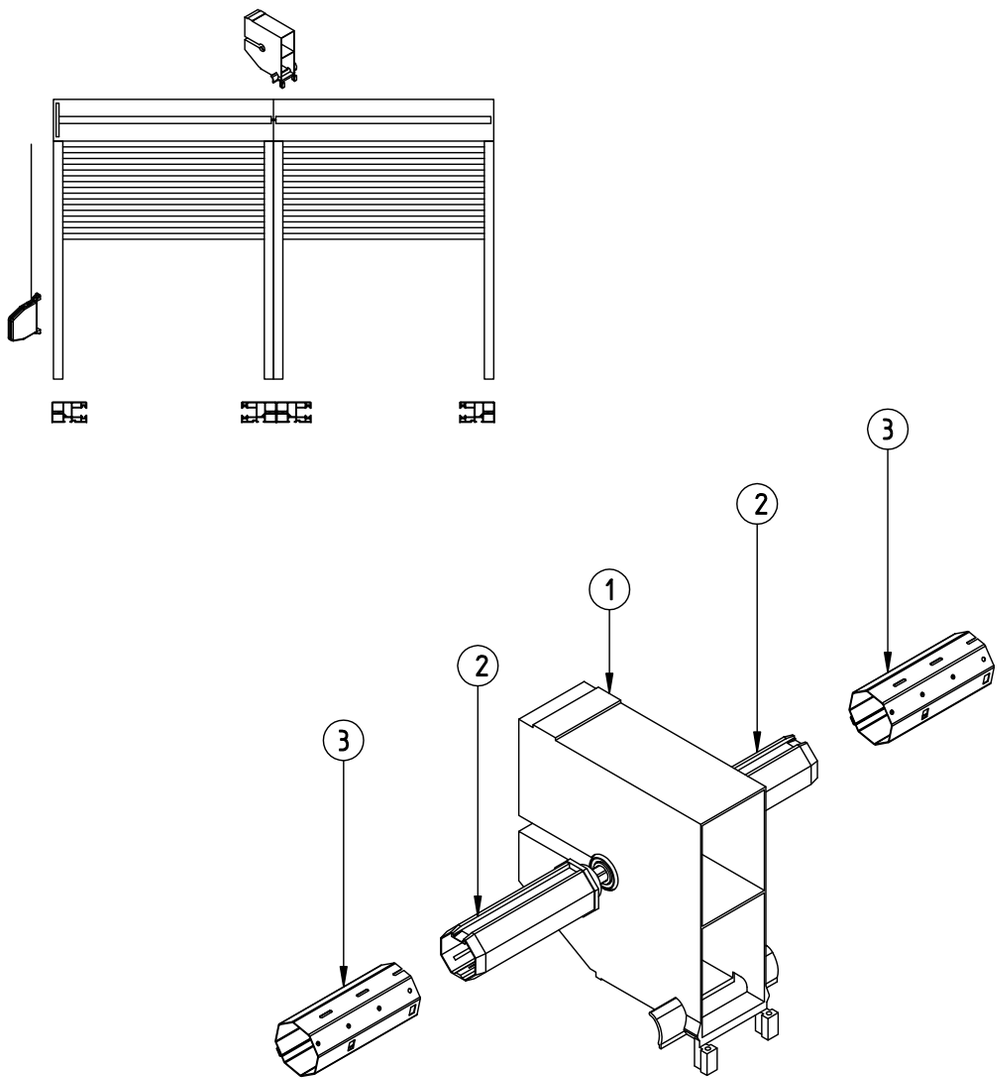
1	RKM101	135 box division for a double guide
	RKM201	160 box division for a double guide
	RKM301	200 box division for a double guide
2	RKZ34	Roller bolt for ø 40 pipe
	RKZ35	Roller bolt for ø 60 pipe
3	SW 40	Octagonal pipe ø 40
	SW 60	Octagonal pipe ø 60

Division for two single guides in a shutter with independent drive.



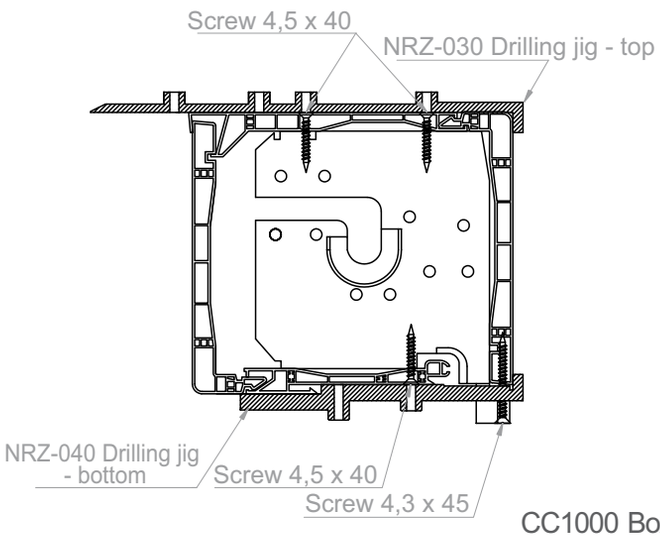
1	RKB2	160 box division for two single guides
	RKB3	200 box division for two single guides
2	LO 28/10	Bearing 28/10 for PVC
	LO 28/12 PCV	Bearing 28/12 for PVC
3	OBS-40-PCV	40 mounting for ø 40 pipe with pin
	OBS-60-PCV	60 mounting for ø 60 pipe with pin
4	SW 40	Octagonal pipe ø 40
	SW 60	Octagonal pipe ø 60

Division for two single guides in a shutter with dependent drive.

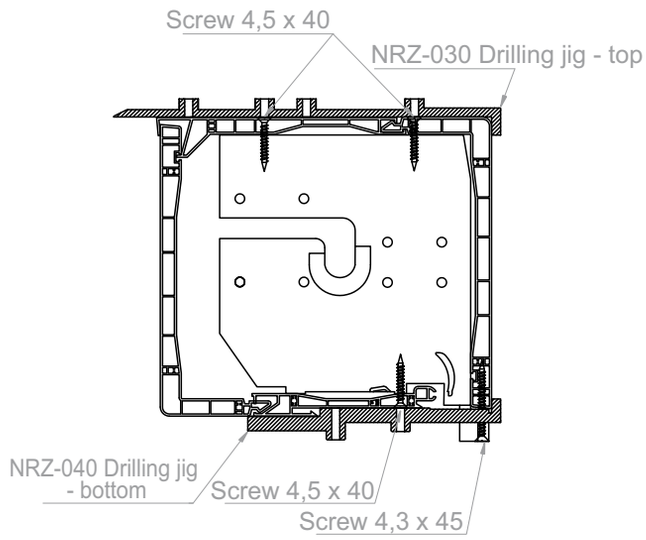


1	RKB2	160 box division for two single guides
	RKB3	200 box division for two single guides
2	RKZ34	Roller bolt for ø 40 pipe
	RKZ35	Roller bolt for ø 60 pipe
3	SW 40	Octagonal pipe ø 40
	SW 60	Octagonal pipe ø 60

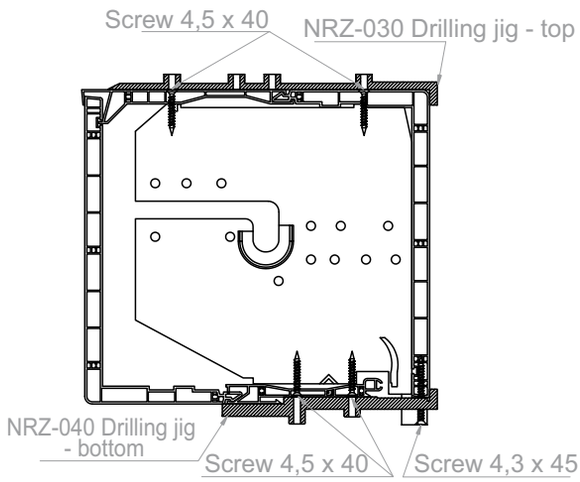
CC1000 Box 135
Installation of the RKM101 division



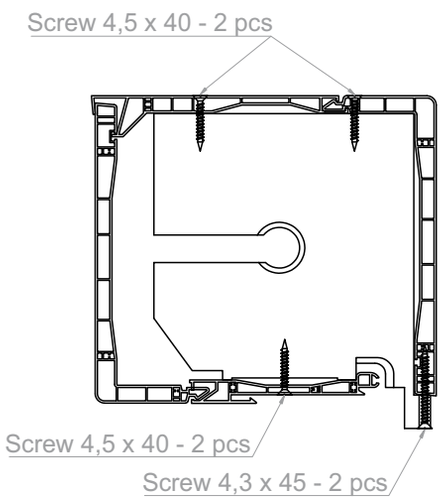
CC1000 Box 160
Installation of the RKM201 division



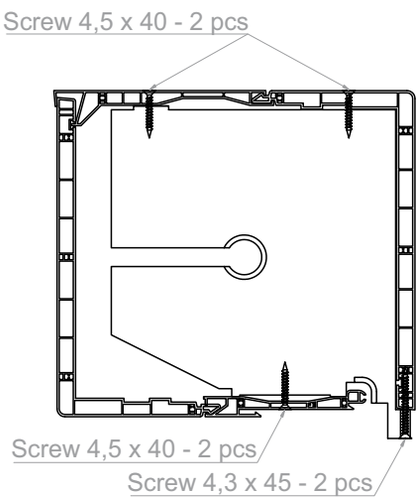
CC1000 Box 200
Installation of the RKM301 division



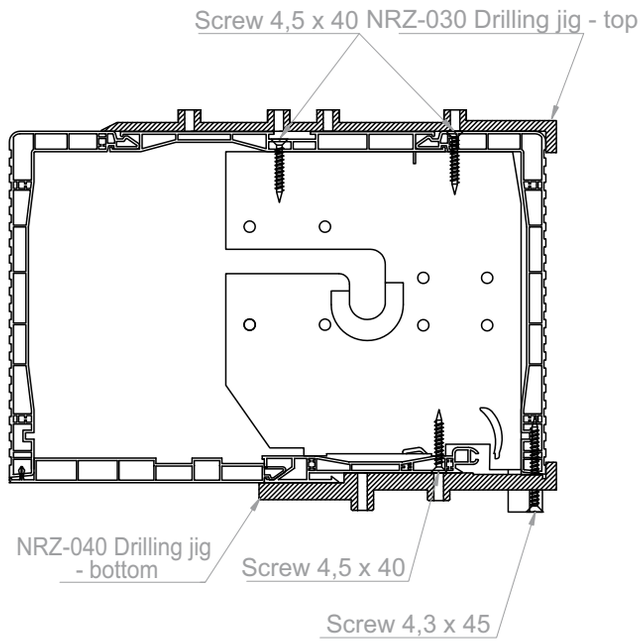
CC1000 Box 160
Installation of the RKB2 division



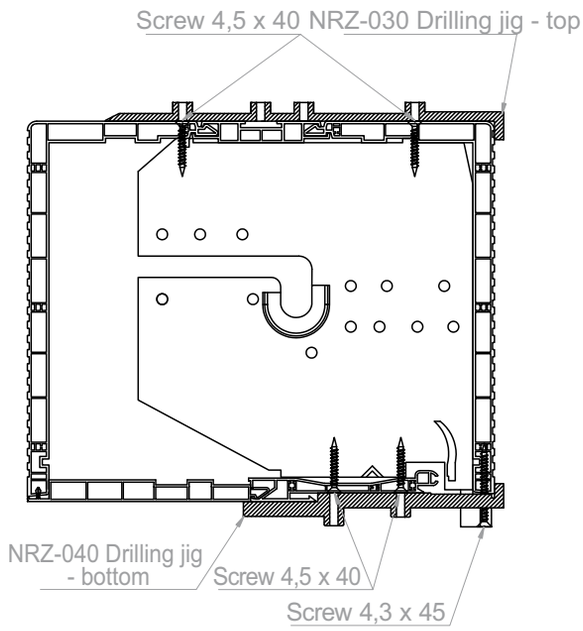
CC1000 Box 200
Installation of the RKB3 division



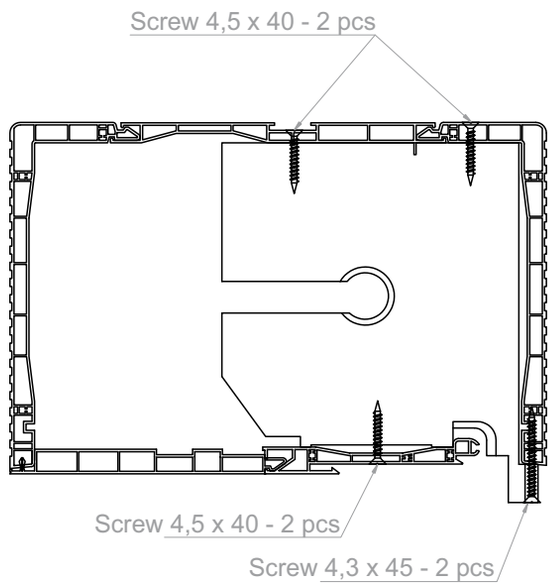
TL1000 Box 160
Installation of the RKM201 division



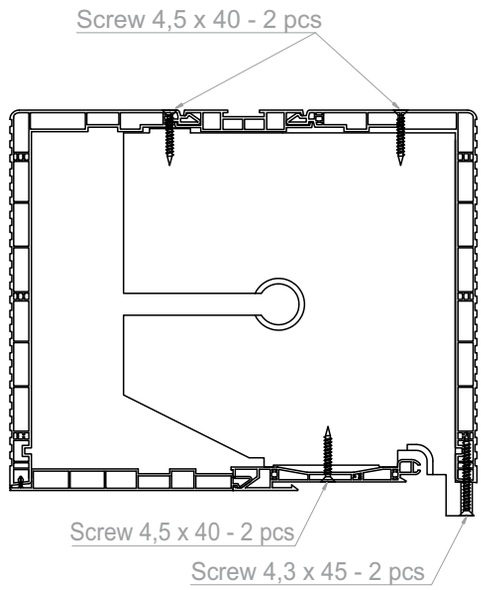
CC1000 Box 160
Installation of the RKM201 division



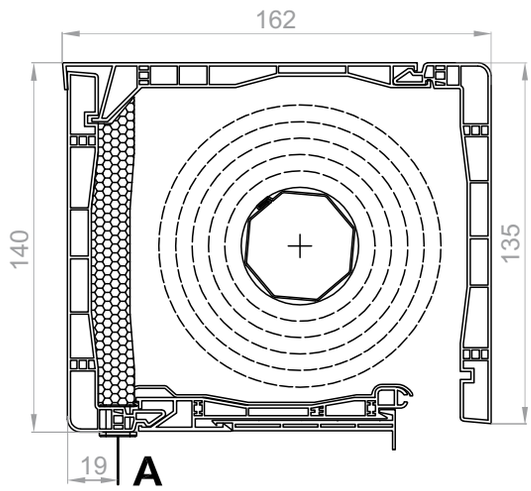
TL1000 Box 160
Installation of the RKB2 division



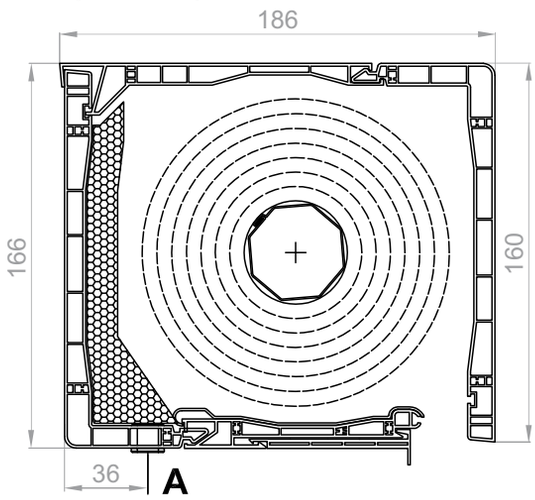
TL1000 Box 200
Installation of the RKB3 division



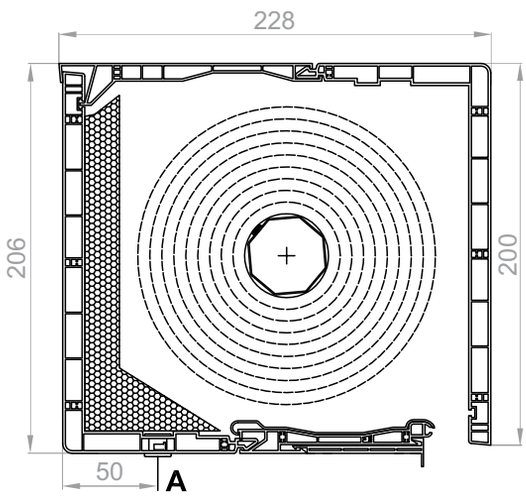
CC1000 Box 135
Entry of the tape



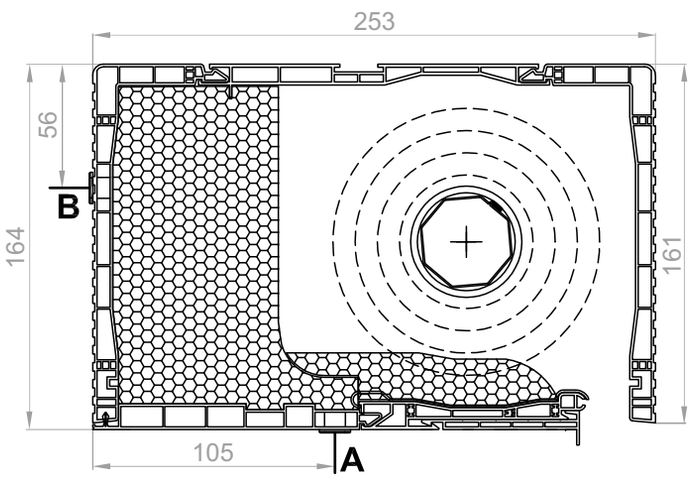
CC1000 Box 160
Entry of the tape



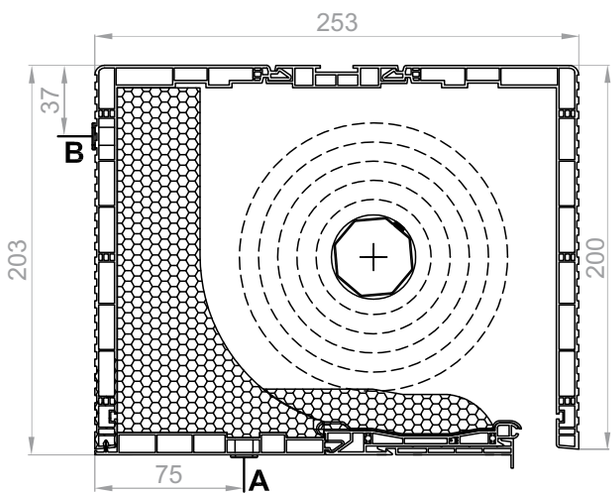
CC1000 Box 200
Entry of the tape



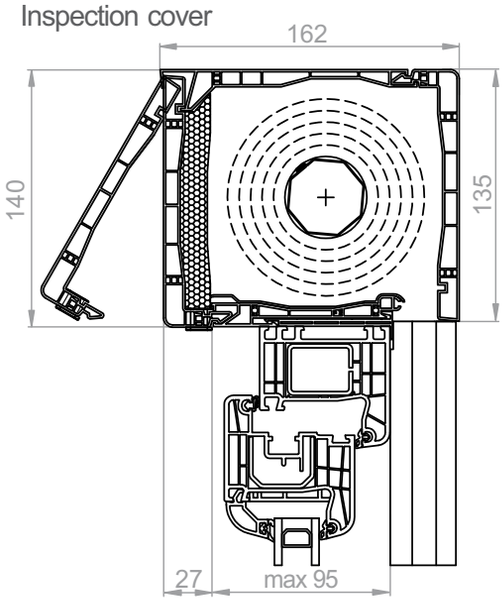
TL1000 Box 160
Entry of the tape



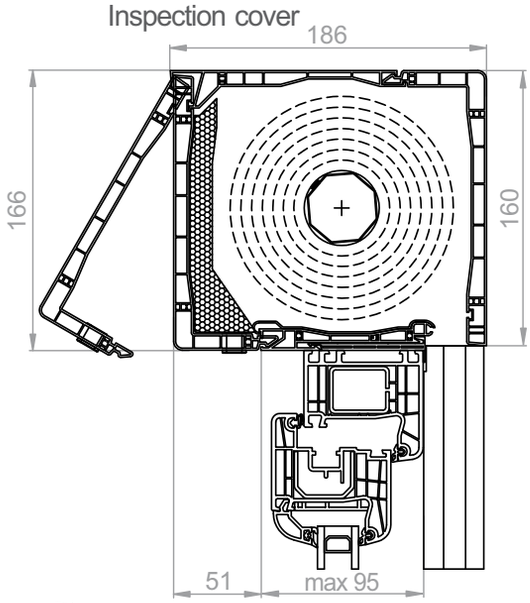
TL1000 Box 200
Entry of the tape



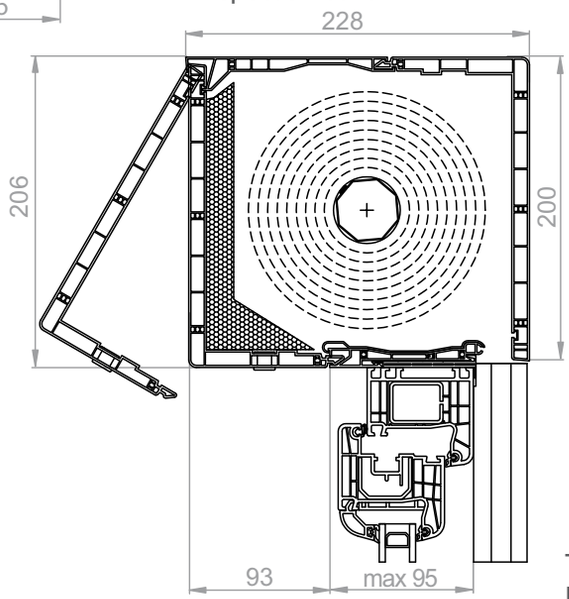
CC1000 Box 135
Inspection cover



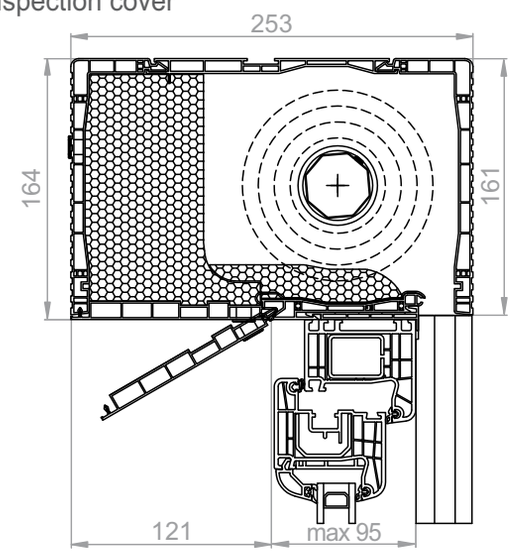
CC1000 Box 160
Inspection cover



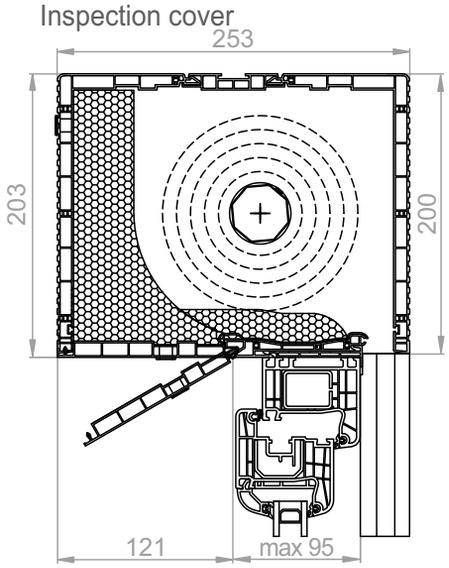
CC1000 Box 200
Inspection cover

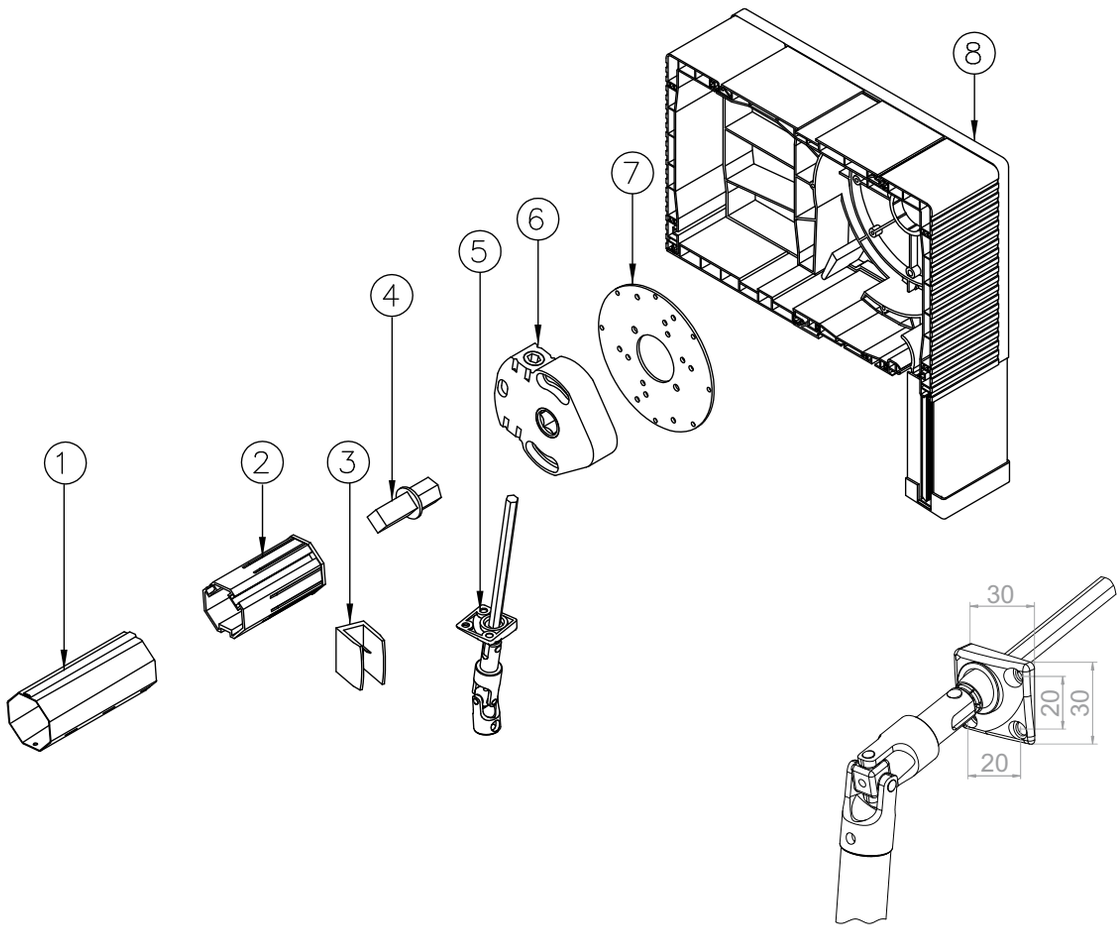


TL1000 Box 160
Inspection cover

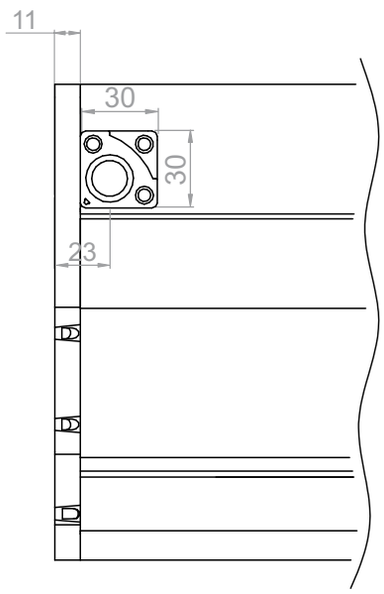


TL1000 Box 200
Inspection cover





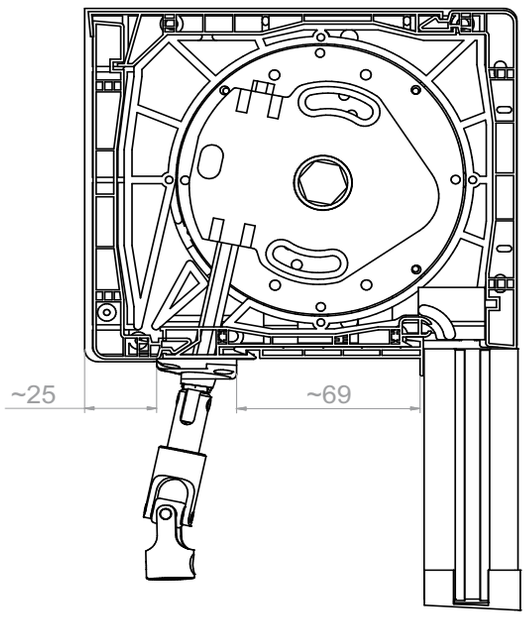
NOTE - Shutters with crank lifting mechanism drive with cardan joint cannot be equipped with automatic bolts.



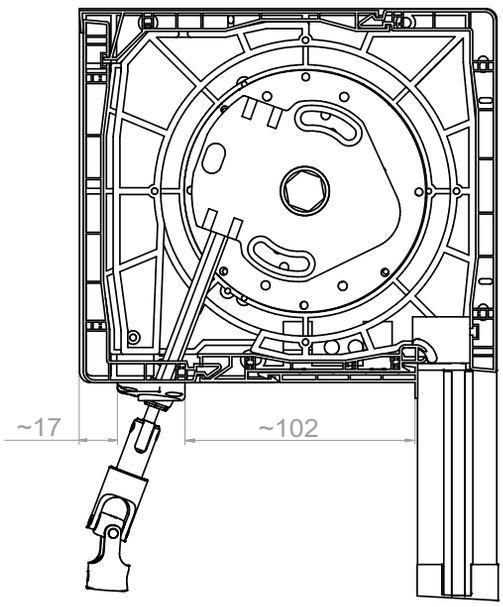
Dimensioning of the cardan mechanism output out of the shutter box

1. SW 40	Octagonal pipe ø 40 mm
SW 60	Octagonal pipe ø 60 mm
2. OBS-40-ACE	ø 40 mounting for the ACE mechanism.
OBS-60-ACE	ø 60 mounting for the ACE mechanism.
3.	Wall handle for crank - included in the crank set
4.	ACE Mounting pin - included with the ACE mechanism
5. KRH-ZF	Cardan 165 with crank 1430 mm
6. ACE-1-8 MAŁY	ACE 1:8 small crank mechanism
7. RKZ56	Plate for PCV box motor
8. Skrzynka PVC	(depending on CC1000, TL1000 system)

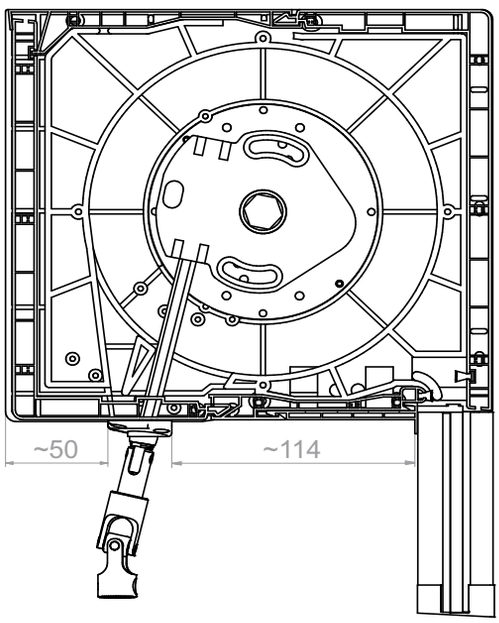
CC1000 - box 135
Crank lifting mechanism with cardan joint



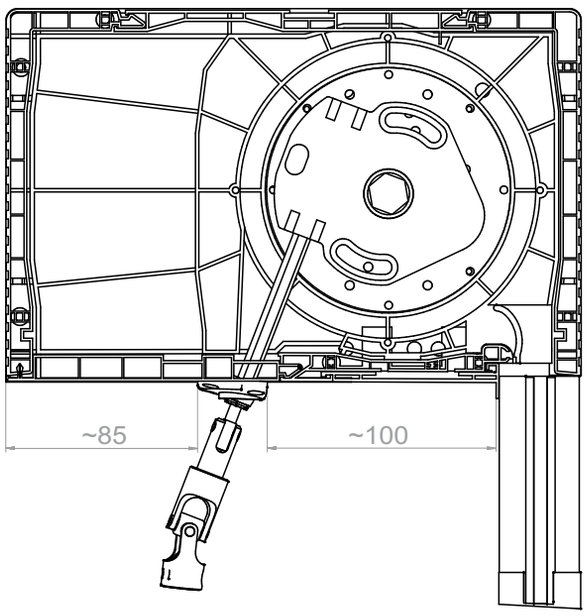
CC1000 - box 160
Crank lifting mechanism with cardan joint



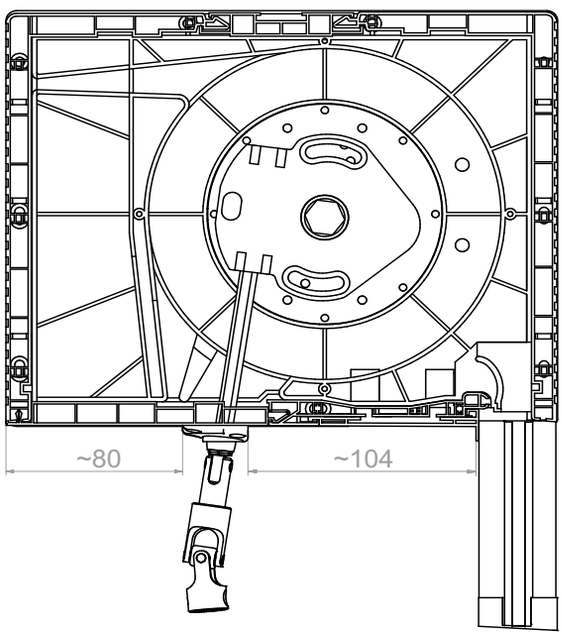
CC1000 - box 200
Crank lifting mechanism with cardan joint



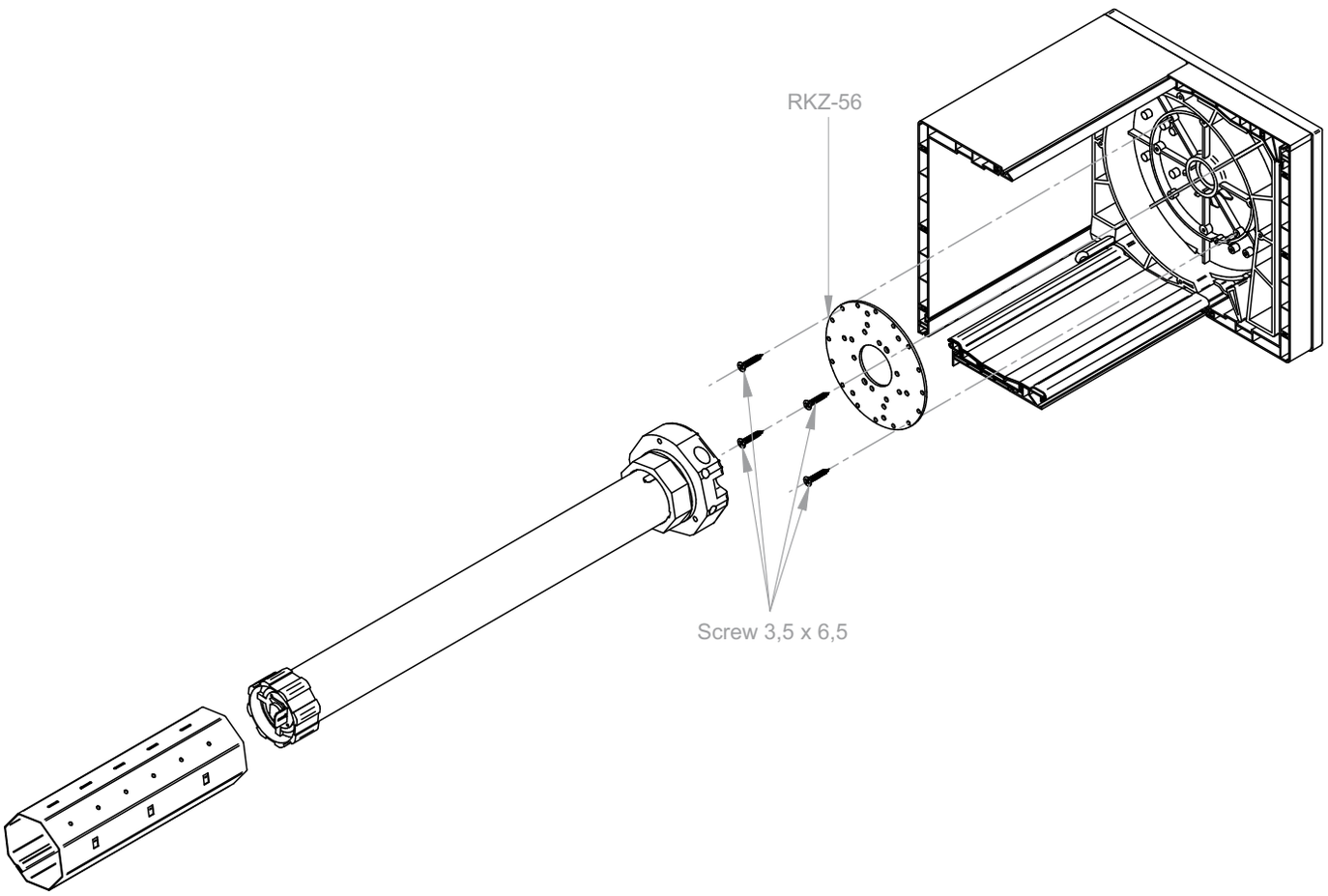
TL1000 - box 160
Crank lifting mechanism with cardan joint



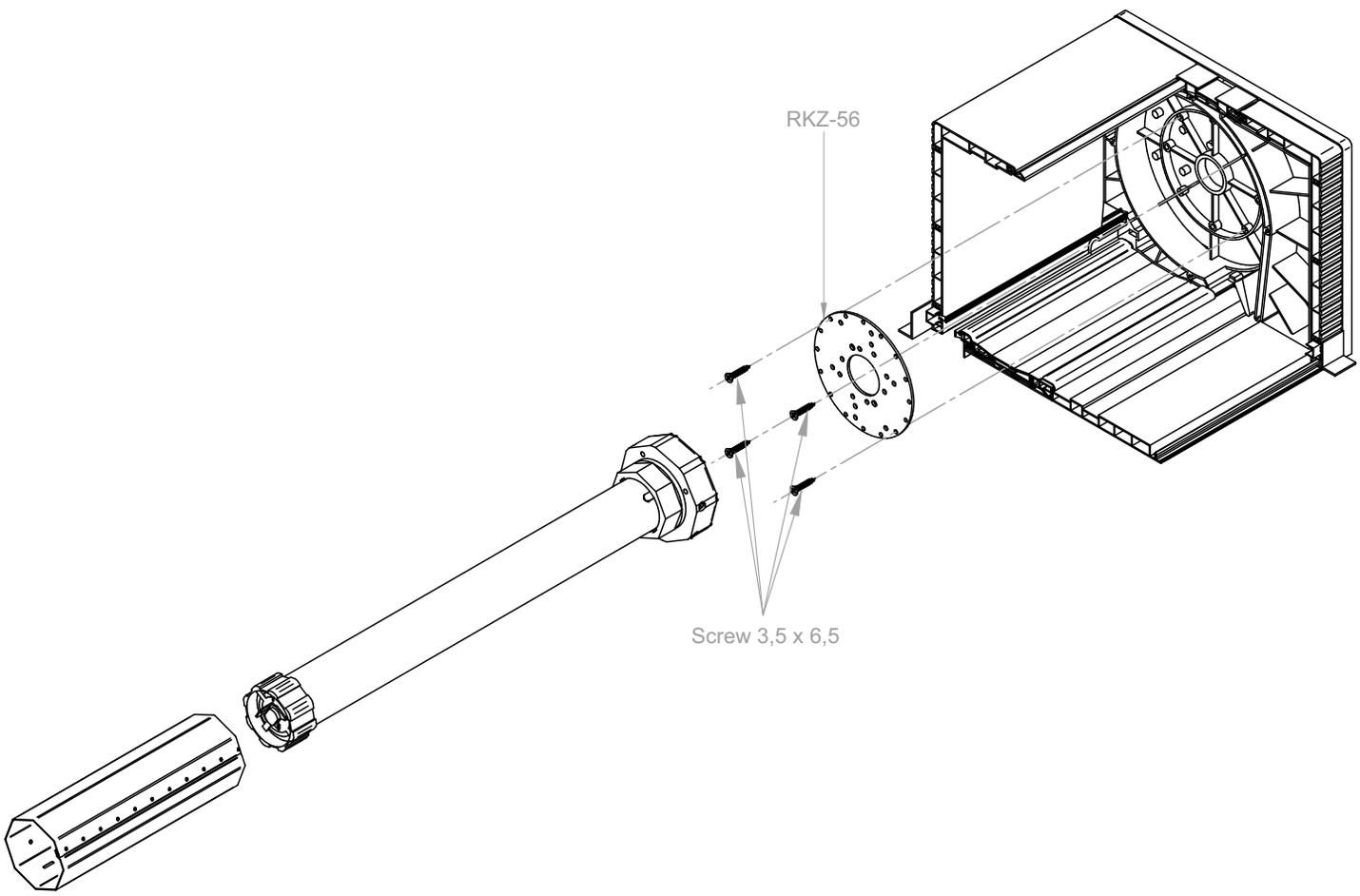
TL1000 - box 200
Crank lifting mechanism with cardan joint



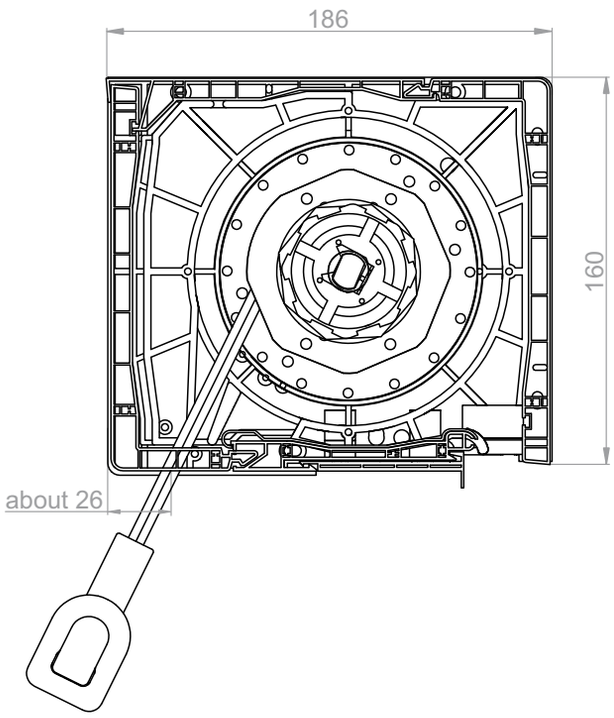
Installation of the NHK motor in CC1000 system shutter.



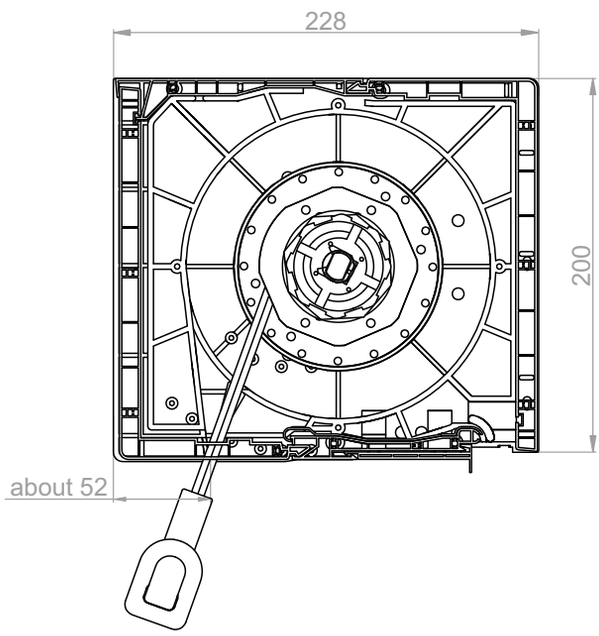
Installation of the NHK motor in TL1000 system shutter.



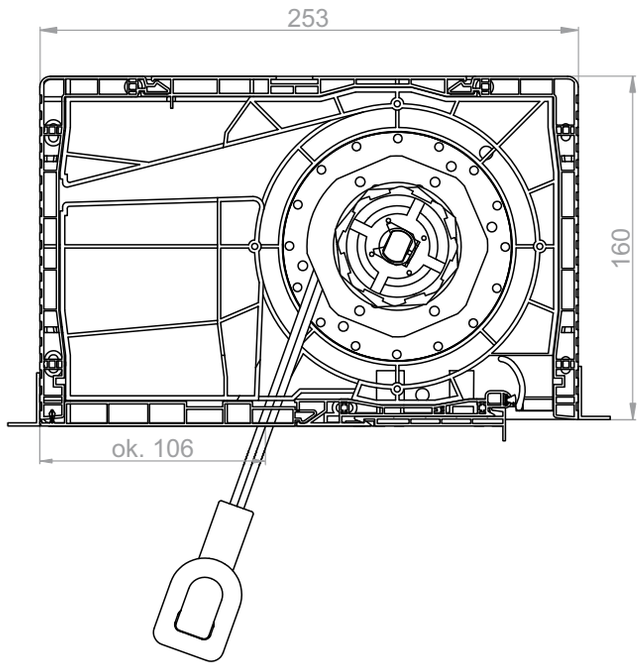
Box 160
Motor with emergency manual operation (NHK)
Output from the bottom.



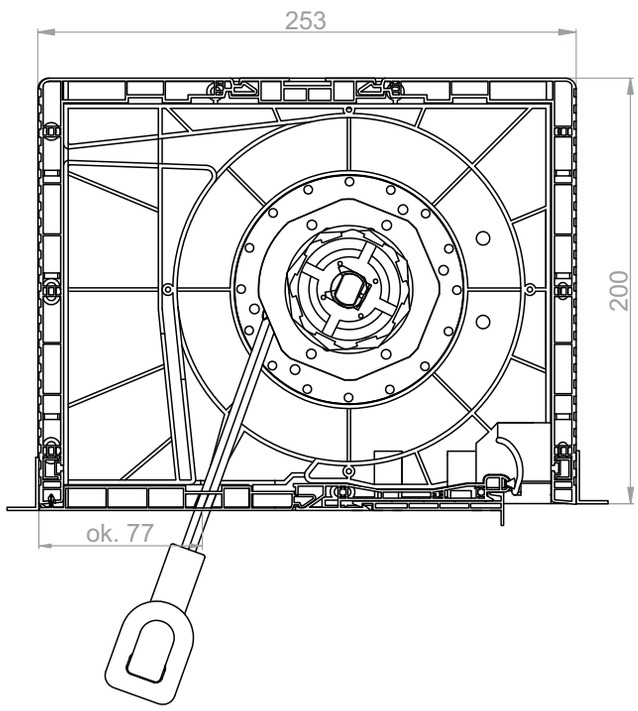
Box 200
Motor with emergency manual operation (NHK)
Output from the bottom.



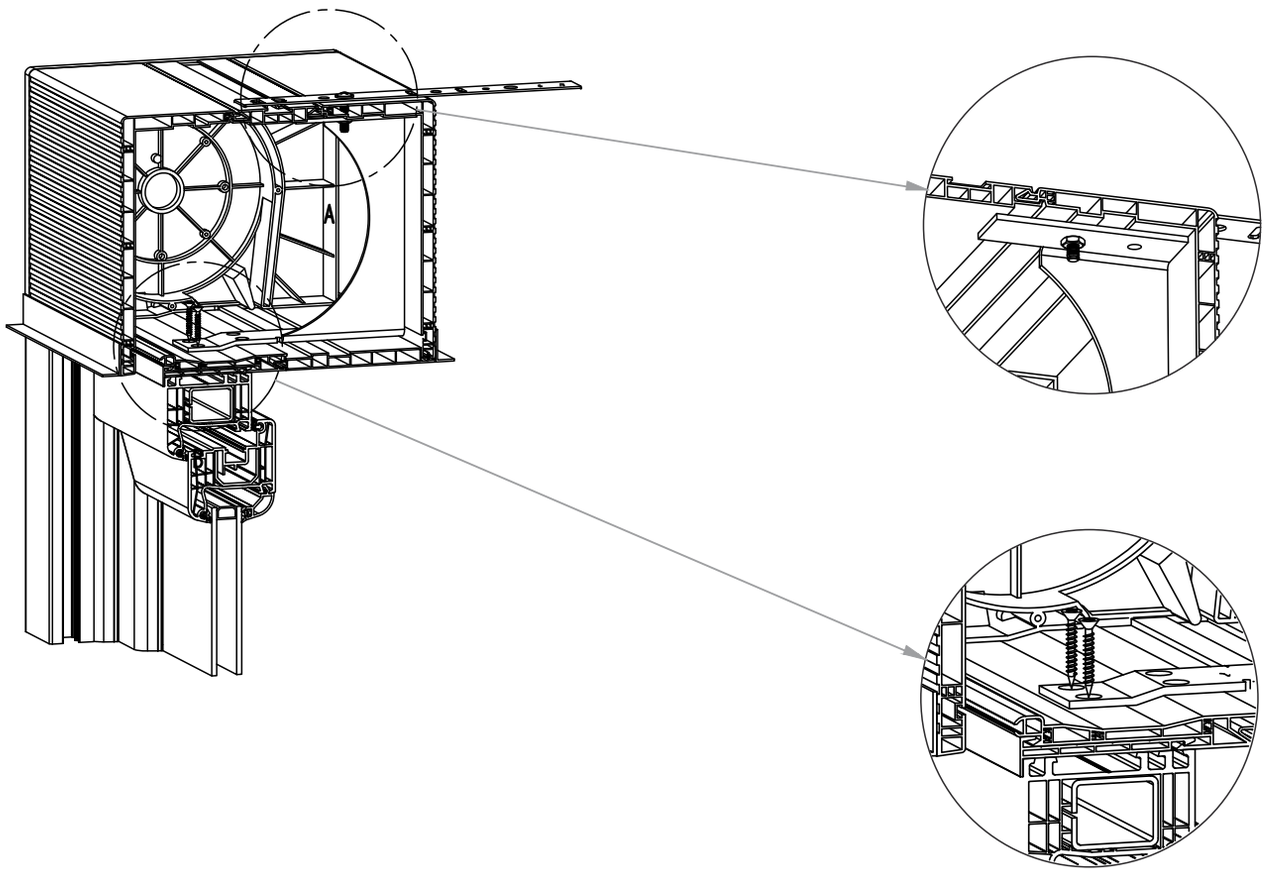
Box 160
Motor with emergency manual operation (NHK)
Output from the bottom.



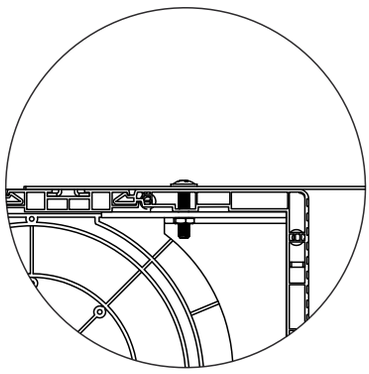
Box 200
Motor with emergency manual operation (NHK)
Output from the bottom.



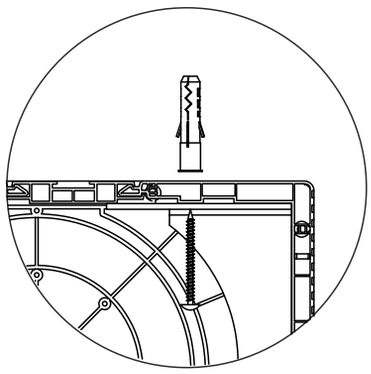
The stabilizing console is mounted as standard every 1m from the outer edge of the box side (with the use of the supplied bolts and screws).



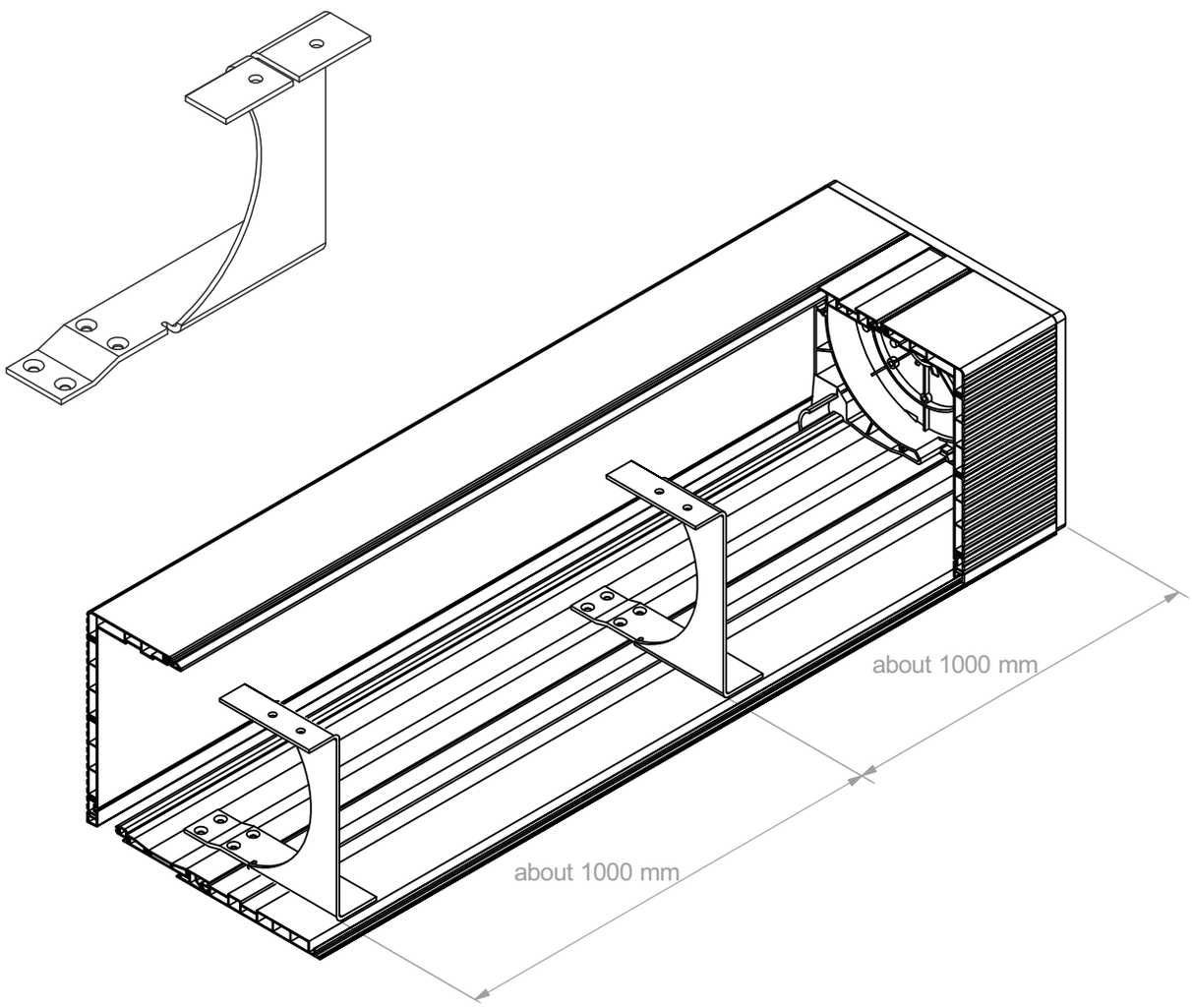
Mounting the stabilizing console in the top part with a mounting anchor.



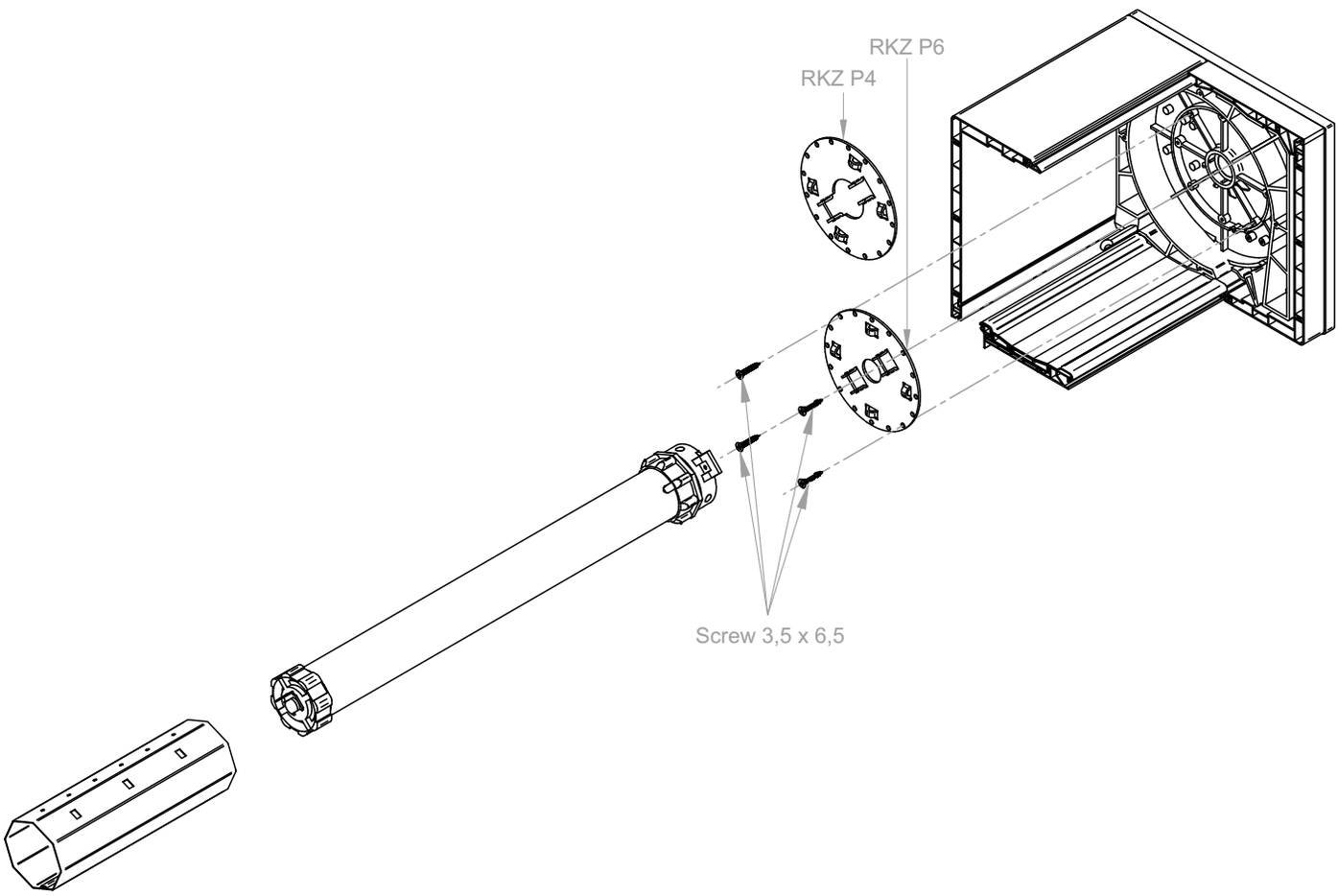
Mounting the stabilizing console in the top part without a mounting anchor.



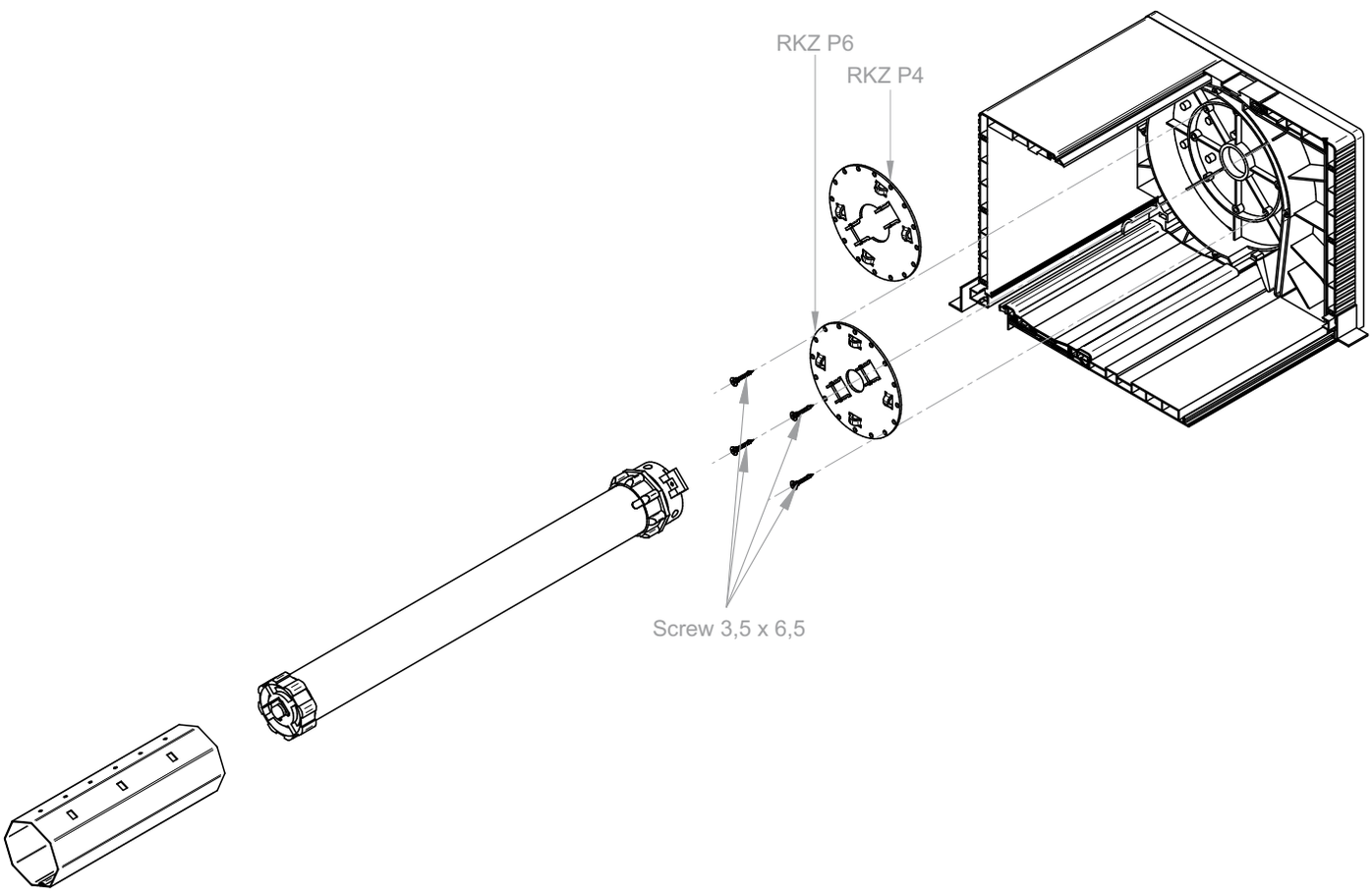
Illustrative arrangement of the stabilizing console in the TL1000 shutter box.



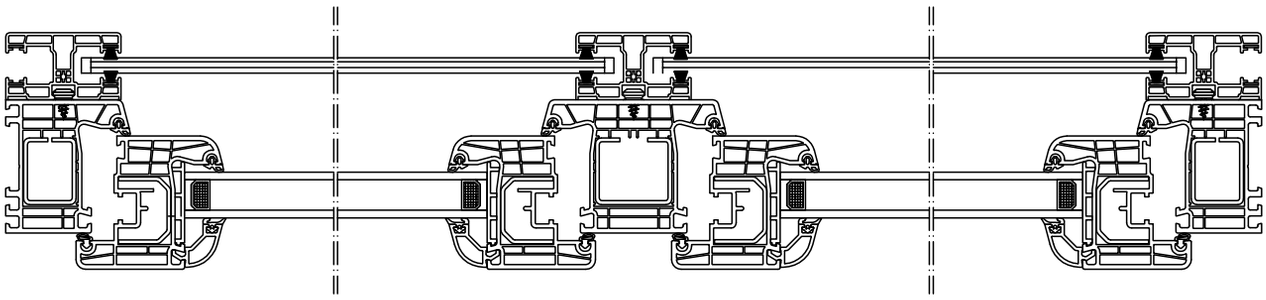
Installation of the motor in CC1000 system shutter.



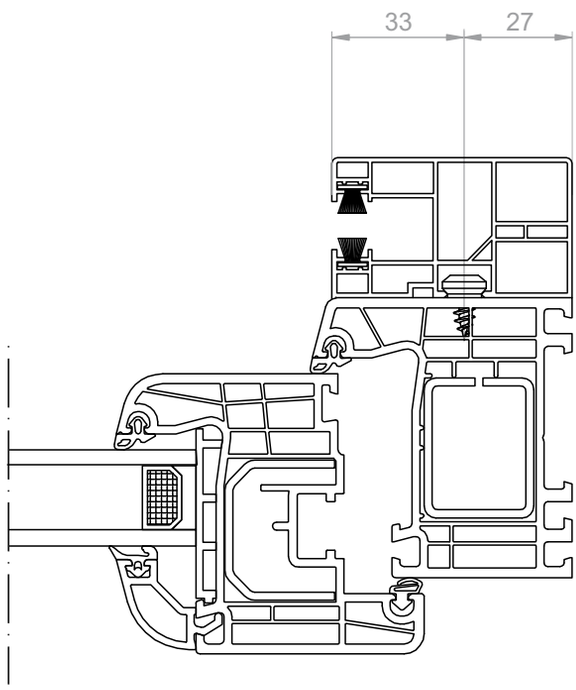
Installation of the motor in TL1000 system shutter.



Installation of RK-18 single guide with RK-18 double guide



View of the RK-16 single guide with a window frame



PA-39 and PA-45 curtain (including profile plugs)

Type of the box	width 0.35 - 2 m, max. area 6.5 m²			width 0.35 - 2.5 m, max. area 6.5 m²			width 0.35 - 3 m, max. area 6.5 m²		
	Max. height of the shutter with box (cm)			Max. height of the shutter with box (cm)			Max. height of the shutter with box (cm)		
		with the use of automatic bolt (cm)	with the use of the blocking bracket (cm)		with the use of automatic bolt (cm)	with the use of the blocking bracket (cm)		with the use of automatic bolt (cm)	with the use of the blocking bracket (cm)
PVC	**PA-39 ø 40+PZ50**	**PA-39 ø 40-rygiel**	**PA-39 ø 40-WB.**	**PA-39 ø 60+PZ70**	**PA-39 ø 60-rygiel**	**PA-39 ø 60-WB**	**PA-45 ø 60+PZ70**	**PA-45 ø 60-rygiel**	**PA-45 ø 60-WB**
PSK-135 Size 135 mm	136	132	116	118*	X	X	X		X
PSK-160 Size 160 mm	202	198	202	194	190	163	138		129
PSK-200 Size 200 mm	319	319	311	311	307	272	241		219

** - There is no possibility of assembling a motor with NHK (emergency han crank) in case size 135 mm.*

Note! With the shutter width of more than 2 m, use ø 60.
In addition, the box reinforcement - WSP is recommended for a width of more than 2 m. When using the reinforcement, values given in the tables should be reduced by 20 cm.
(*) it is not possible to install the NHK motor in a 135 mm box.
PZ - expansion ring from ø 40 to ø 50 or from ø 60 to ø 70.

max. thickness of the window frame 95 mm

kind of the box	height of the box	depth of the box
PSK-135	135 mm	162 mm
PSK-160	160 mm	186 mm
PSK-200	200 mm	225 mm

PA-39 and PA-45 curtain (including profile plugs)

Type of the box	width 0.35 - 2 m, max. area 6.5 m^2			width 0.35 - 2.5 m, max. area 6.5 m^2			width 0.35 - 3 m, max. area 6,5 m^2		
	Max. height of the shutter with box (cm)			Max. height of the shutter with box (cm)			Max. height of the shutter with box (cm)		
		with the use of automatic bolt (cm)	with the use of the blocking bracket (cm)		with the use of automatic bolt (cm)	with the use of the blocking bracket (cm)		with the use of automatic bolt (cm)	with the use of the blocking bracket (cm)
PVC	**PA-39 ø 40+PZ50**	**PA-39 ø 40-rygiel**	**PA-39 ø 40-WB.**	**PA-39 ø 60+PZ70**	**PA-39 ø 60-rygiel**	**PA-39 ø 60-WB**	**PA-45 ø 60+PZ70**	**PA-45 ø 60-rygiel**	**PA-45 ø 60-WB**
160 mm	202	198	202	194	190	156	138		129
200 mm	319	319	311	311	307	272	241		219
200 mm+stabilizing console	300	300	311	311	307	272	241		219
200 mm+stabilizing console	210	210	214	195	195	199	167		153

* *- Values marked by an asterisk refer to the armouring with veneer 42 Woodec Turner Oak.*

Note! With the shutter width of more than 2 m, use ø 60. In addition, the box reinforcement - WSP is recommended for a width of more than 2 m.
When using the reinforcement, values given in the tables should be reduced by 20 cm. For each shutter it is recommended to include SKM mounting anchors counting 40 cm from the side of the box, each subsequent anchor is installed every 50 cm. For shutters with a width of more than 1.80 m it is advisable to include stabilizing consoles. When using a stabilizing console, it is necessary to decrease the values given in the recommended box sizes: at the width of 0 - 2m - by 30 cm, width of 2.01-2.5m - by 40 cm, width of 3m and max. area of 6.5 m2 - by 30 cm (concerns box 160 mm, box 200 acc. table above).
PZ - expansion ring from ø 40 to ø 50 or from ø 60 to ø 70.

max. thickness of the window frame 95 mm

kind of the box	height of the box	depth of the box
PSK-160	160 mm	253 mm
PSK-200	200 mm	253 mm

(Boxes prepared for anchoring)

Dowód

Obliczanie współczynnika przenikania ciepła

Sprawozdanie z badań
Nr 13-001431-PR02
(PB-E01-06-de-02)

ift ROSENHEIM

Zleceniodawca , PORTOS
ul. Złota 71
62-800 Kalisz
Polska

Produkt: Skrzynka rolety z tworzywa sztucznego

Oznaczenie: System TL1000/160

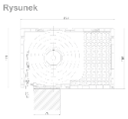
Detale produktu mające wpływ na właściwości eksploatacyjne: Materiał polichlorek winylu (PVC-U) twardy; szerokość widoku B w mm 164; głębokość konstrukcyjna w mm 253; wkładka izolacyjna; materiał ekspanowany polistyren zdolność przewodzenia ciepła w W/(m K) 0,038; szczelina wylotowa; wymiary w mm e_{sz} = 12; system uszczelek z uszczelką szczotkową wewnątrz i od zewnątrz; powietrze w skrzynce lekko wentylowana (e_{sz} ≤ 35 mm / e_1 + e_3 ≥ 2 mm); panel zastępczy ramy okna; materiał adiabatyczny; grubość w mm 70

Cechy szczególne: -

Podstawy *):
EN ISO 10077-2:2012-02
SG 06-obowiązujący NB-CPD/SG06/11/083 2011-09
*) i odpowiednie wersje narodowe np. DIN EN

Sprawozdanie z badań nr 13-001431-PR02 (PB-E01-06-de-02) z dnia 19.02.2015
(14-000605-PR05)

Rysunek



Wynik

Obliczanie współczynnik przenikania ciepła wg EN ISO 10077-2:2012-02

U_{sb} = 1,1 W/(m²K)

Wg. informacji zleceniodawcy współczynnik przenikania ciepła U_{sb} został obliczony adiabatycznie w sposób odbiegający od normy EN ISO 10077-2 , uwarunkowany systemem na podstawie panelu zastępczego o grubości 70 mm (zamiast 60 mm).

Wskazówka dot. zastosowania
Sprawozdanie z badań służy jako dowód współczynnika przenikania ciepła.

Zakres ważności
Wymienione dane i wyniki odnoszą się wyłącznie do badanej i opisanej próbki.
Niniejsze badanie/ocena nie jest podstawą do oceny innych właściwości mających wpływ na jej właściwości eksploatacyjne i jakość.

Wskazówki dot. publikacji
Obowiązuje "Instrukcja dot. korzystania z dokumentacji z badań ift". Stronę tytułową można stosować jako streszczenie.

Treść
Dowód obejmuje w sumie 5 stron i załącznik (1 strona).

ift Rosenheim
02.03.2015

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Operat ng Testing Officer
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Inspektion – EN ISO/IEC 17020
Zertifizierung Produkte – EN ISO/IEC 17065
Zertifizierung Managementsysteme – EN ISO/IEC 17021

Notified Body BRM
PhiBuNr. BAY 10

Dowód

Obliczanie współczynnika przenikania ciepła

Sprawozdanie z badań
Nr 13-001431-PR06
(PB-E01-06-de-02)

ift ROSENHEIM

Zleceniodawca , PORTOS
ul. Złota 71
62-800 Kalisz
Polska

Produkt: Skrzynka rolety z tworzywa sztucznego

Oznaczenie: System TL1000/200

Detale produktu mające wpływ na właściwości eksploatacyjne: Materiał polichlorek winylu (PVC-U) twardy; szerokość widoku B w mm 203; głębokość konstrukcyjna w mm 253; wkładka izolacyjna; materiał ekspanowany polistyren "PRO-LAMBDA" zdolność przewodzenia ciepła w W/(m K) 0,032; szczelina wylotowa; wymiary w mm e_{sz} = 14; system uszczelek z uszczelką szczotkową wewnątrz i od zewnątrz; powietrze w skrzynce lekko wentylowana (e_{sz} ≤ 35 mm / e_1 + e_3 ≥ 2 mm); panel zastępczy ramy okna; materiał adiabatyczny; grubość w mm 70

Cechy szczególne: -

Podstawy *):
EN ISO 10077-2:2012-02
SG 06-obowiązujący NB-CPD/SG06/11/083 2011-09
*) i odpowiednie wersje narodowe np. DIN EN

Sprawozdanie z badań nr 13-001431-PR06 (PB-E01-06-de-02) z dnia 19.02.2015
(14-000605-PR06)

Rysunek

Wynik

Obliczanie współczynnik przenikania ciepła wg EN ISO 10077-2:2012-02

U_{sb} = 1,2 W/(m²K)

Wg. informacji zleceniodawcy współczynnik przenikania ciepła U_{sb} został obliczony adiabatycznie w sposób odbiegający od normy EN ISO 10077-2 , uwarunkowany systemem na podstawie panelu zastępczego o grubości 70 mm (zamiast 60 mm).

Wskazówka dot. zastosowania
Sprawozdanie z badań służy jako dowód współczynnika przenikania ciepła.

Zakres ważności
Wymienione dane i wyniki odnoszą się wyłącznie do badanej i opisanej próbki.
Niniejsze badanie/ocena nie jest podstawą do oceny innych właściwości mających wpływ na jej właściwości eksploatacyjne i jakość.

Wskazówki dot. publikacji
Obowiązuje "Instrukcja dot. korzystania z dokumentacji z badań ift". Stronę tytułową można stosować jako streszczenie.

Treść
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ift Rosenheim
02.03.2015

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Prüfung und Kalibrierung – EN ISO/IEC 17025
Inspektion – EN ISO/IEC 17020
Zertifizierung Produkte – EN ISO/IEC 17065
Zertifizierung Managementsysteme – EN ISO/IEC 17021

Notified Body BRM
PhiBuNr. BAY 10

Dowód

Obliczanie współczynnika przenikania ciepła

Sprawozdanie z badań
Nr 13-001431-PR03
(PB-E01-06-de-02)

ift ROSENHEIM

Zleceniodawca , PORTOS
ul. Złota 71
62-800 Kalisz
Polska

Produkt: Skrzynka rolety z tworzywa sztucznego

Oznaczenie: System TL1000/200

Detale produktu mające wpływ na właściwości eksploatacyjne: Materiał polichlorek winylu (PVC-U) twardy; szerokość widoku B w mm 203; głębokość konstrukcyjna w mm 253; wkładka izolacyjna; materiał ekspanowany polistyren zdolność przewodzenia ciepła w W/(m K) 0,038; szczelina wylotowa; wymiary w mm e_{sz} = 14; system uszczelek z uszczelką szczotkową wewnątrz i od zewnątrz; powietrze w skrzynce lekko wentylowana (e_{sz} ≤ 35 mm / e_1 + e_3 ≥ 2 mm); panel zastępczy ramy okna; materiał adiabatyczny; grubość w mm 70

Cechy szczególne: -

Podstawy *):
EN ISO 10077-2:2012-02
SG 06-obowiązujący NB-CPD/SG06/11/083 2011-09
*) i odpowiednie wersje narodowe np. DIN EN

Sprawozdanie z badań nr 13-001431-PR03 (PB-E01-06-de-02) z dnia 19.02.2015
(14-000605-PR05)

Rysunek

Wynik

Obliczanie współczynnik przenikania ciepła wg EN ISO 10077-2:2012-02

U_{sb} = 1,2 W/(m²K)

Wg. informacji zleceniodawcy współczynnik przenikania ciepła U_{sb} został obliczony adiabatycznie w sposób odbiegający od normy EN ISO 10077-2 , uwarunkowany systemem na podstawie panelu zastępczego o grubości 70 mm (zamiast 60 mm).

Wskazówka dot. zastosowania
Sprawozdanie z badań służy jako dowód współczynnika przenikania ciepła.

Zakres ważności
Wymienione dane i wyniki odnoszą się wyłącznie do badanej i opisanej próbki.
Niniejsze badanie/ocena nie jest podstawą do oceny innych właściwości mających wpływ na jej właściwości eksploatacyjne i jakość.

Wskazówki dot. publikacji
Obowiązuje "Instrukcja dot. korzystania z dokumentacji z badań ift". Stronę tytułową można stosować jako streszczenie.

Treść
Dowód obejmuje w sumie 5 stron i załącznik (1 strona).

ift Rosenheim
02.03.2015

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Zertifizierung Managementsysteme – EN ISO/IEC 17021

Notified Body BRM
PhiBuNr. BAY 10

Dowód

Obliczanie współczynnika przenikania ciepła

Sprawozdanie z badań
Nr 13-001431-PR04
(PB-E01-06-de-02)

ift ROSENHEIM

Zleceniodawca , PORTOS
ul. Złota 71
62-800 Kalisz
Polska

Produkt: Kaseta rolety z tworzywa sztucznego z dodatkową wkładką izolacyjną

Oznaczenie: System TL1000/200

Detale produktu mające wpływ na właściwości eksploatacyjne: Materiał polichlorek winylu (PVC-U) twardy; szerokość widoku B w mm 203; głębokość konstrukcyjna w mm 253; wkładka izolacyjna; materiał ekspanowany polistyren zdolność przewodzenia ciepła w W/(m K) 0,038; szczelina wylotowa; wymiary w mm e_{sz} = 14; system uszczelek z uszczelką szczotkową wewnątrz i od zewnątrz; powietrze w skrzynce lekko wentylowana (e_{sz} ≤ 35 mm / e_1 + e_3 ≥ 2 mm); panel zastępczy ramy okna; materiał adiabatyczny; grubość w mm 70

Cechy szczególne: -

Podstawy *):
EN ISO 10077-2:2012-02
SG 06-obowiązujący NB-CPD/SG06/11/083 2011-09
*) i odpowiednie wersje narodowe np. DIN EN

Sprawozdanie z badań nr 13-001431-PR04 (PB-E01-06-de-02) z dnia 19.02.2015
(14-000605-PR07)

Rysunek

Wynik

Obliczanie współczynnik przenikania ciepła wg EN ISO 10077-2:2012-02

U_{sb} = 0,95 W/(m²K)

Wg. informacji zleceniodawcy współczynnik przenikania ciepła U_{sb} został obliczony adiabatycznie w sposób odbiegający od normy EN ISO 10077-2 , uwarunkowany systemem na podstawie panelu zastępczego o grubości 70 mm (zamiast 60 mm).

Wskazówka dot. zastosowania
Sprawozdanie z badań służy jako dowód współczynnika przenikania ciepła.

Zakres ważności
Wymienione dane i wyniki odnoszą się wyłącznie do badanej i opisanej próbki.
Niniejsze badanie/ocena nie jest podstawą do oceny innych właściwości mających wpływ na jej właściwości eksploatacyjne i jakość.

Wskazówki dot. publikacji
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