

ADLER ALUMINIUM ACCESSORIES SUBMITTAL

AL HELOUL AL MAMARYAH BLDG MTR.

INDUSTRIAL AREA 11, SHARJAH-U.A.E

TEL: 06 5346246 FAX: 06 5346757

EMAIL: sharjah@adco.sa



CERTIFICATE

ADLER Glaserei GmbH products in the Middle East Region.

ADLER Glaserei is one of the biggest and most established companies in Berlin Germany dealing with various products such as, Spider Fittings, Glass Door Handles, Shower Hinges & Glass Clip, Shower Door Knobs, and Translucent Sealing Strips, Surface Protection Tape, Structural & Glazing Tapes and various door & window accessories. The materials of Adler have 5 years guarantee.

This is to conform that Adler Products were manufactured in Germany, Singapore and China under the license of ADLER Glaserei GmbH with full supervision and these Adler materials are source out in East Europe, Singapore and China. The entire Adler products aforementioned are complying with European Standard **EN-1154**.



A.D.L.E.R. Glaserei GmbH
ADLER GLASERIE GMBH
Fidicinstraße 3
Tel. 030 89 05 Fax 030 89 05 11
10965 Berlin Germany



شركة الشبورة للآلومنيوم والزجاج (ذ.م.م.)

AL SHABBURA ALUMINIUM & GLASS CO. L.L.C.

ALUMINIUM SPECIALIST TEAM FOR TOWER STRUCTURAL CURTAIN WALL SYSTEM

Date : 18 - 09 - 2014

Subject: ADLER Projects

Dear Sir,

With reference to the above mentioned subject, we, **Al Shabbura Aluminium & Glass Co. LLC**,

Telephone No. : 06 5369981 Fax: 06 5369980 P.O Box: 40368, Sharjah – United Arab Emirates.

Achieve the best expected results in the field of Construction in using ADLER materials as Follows:

1. Adler Aluminium Windows and Doors Accessories.

On the Following project / consultant:

1. M/s. Prestige Construction LLC. Consultant

M/s Proarc Architects & Engineering Consultant,

Project : Habitat School Building (G+1) Plot no. 1355 , Al Jurf Ajman.

2. M/S. Al Khauther Contracting Co.

M/s. Al Nahda Engineering Consultant

Project : G + 5P + 16 floor Tower A + 23 Floor Tower B , Building on Plot . No. 974 , Al Khan. SHARJAH

Who's able to guarantee to our clients that we put our best service and experience to be at their trust in regards to fast and accurate execution.

Yours Sincerely,



A.R. Harish

Managing Director

AL Shabbura Aluminium & Glass Co. LLC

تليفون : +٩٧١ ٦ ٥٣٦٩٩٨١ , فاكس : +٩٧١ ٦ ٥٣٦٩٩٨٠ , ص.ب : ٤٠٣٦٨ , الشارقة - ا.ع.م.

Tel.: +971 6 - 5369981, Fax : +971 6 - 5369980, P.O. Box : 40368, Sharjah - United Arab Emirates

E-mail : sbura@eim.ae



شركة اري كيو للمقاولات ذ.م.م
RAQ CONTRACTING CO L.L.C

Project	R1047 - (2B+G+10F+R) Residential Development on Plot 214-0807									
MATERIAL SUBMITTAL										
Submittal No.	RAQ/RDJ132/MAT/A/017			Rev	00	New submittal	Date	05.01.2020		
						Re-submittal				
Material Description	SAMPLE BOARD FOR HARDWARE ACCESSORIES (FOR ALUMINIUM DOORS, WINDOWS & CURTAIN WALLS)									
Country of Origin			Specified	Alternative		Architecture	Structure	Electrical	Mechanical	Other
Manufacturer			Local Supplier/Agent			Details				
Name			GULF TOWER							
Tel			+971 6 5330085							
Fax			+971 6 5330089							
PO Box			69811 Sharjah - UAE							
Email:			info@gulftower.ae							
BOQ			BS			Specs				
Drawings ref.										
Attached	Data Sheet	Sample	Catalogue	Profile	Calculations	Test Results	Other			
Technical Engineer	Name		Signature		Project Manager	Name		Signature		
MR. AHMED ABDALLAH					MR. IBRAHIM ABUMEZIED					

RECEIVED
20 JAN 2020
BY: [Signature]

Name	Faisal			Received by Consultant	Signature			Date			
									05/01/20		
Consultant Comments:											
Accessories											
- proposed sample approved for aluminium doors, windows & curtain											
- material shall be complied with condition of contract & specifications											
- Shop drawing to be submitted for Engineer review and approval											
- Warranty shall be complying project specification / contract											
Approved			Approved With Comments			More Information Required			Rejected		
Name			Signature			Signature			Date		
Commented by						[Signature]			20-01-2020		
QA/QC											
Project Manager						[Signature]			20-1-2020		
Received Back By the contractor											

AL FAHIDI ENGINEERING CONSULTANT



P.O BOX: 20079, DUBAI -U.A.E, TEL: 04 2686339, FAX: 04 2686090

MATERIAL SUBMITTAL FORM

PROJECT	3B+G+7TYP+R RESIDENTIAL & COMMERCIAL BUILDING AT CULTURAL VILLAGE, AL JADAF-DUBAI ON PLOT NO. 3260888
EMPLOYER	MR. SAADI ABDUL RAHIM HASSAN AL RAIS
MAIN CONTRACTOR	AROMA INTERNATIONAL BUILDING CONTRACTING LLC

Material Submittal No.	42	Rev.	0	Date	14-10-19	<input checked="" type="checkbox"/> New Submittal <input type="checkbox"/> Re Submittal
Sub Contractor	Ciji Aluminium	Trade Reference Aluminium Glass works				
Discipline: <input checked="" type="checkbox"/> Architectural <input type="checkbox"/> Structural <input type="checkbox"/> Mechanical <input type="checkbox"/> Electrical <input type="checkbox"/> Others, Specify						

Brief Description material: **Aluminium Handle for Doors/ Windows (ALDER)**Manufacturer: **M/s. ALDER GERMANY**Supplier: **M/S.ALDER GERMANY**Does Material Submitted Comply? ☒ Yes ☐ No If Deviate from contract, please specify:

Specification Ref :

Bill of Quantity Ref :

If Variation,Why?

Drawing Ref. No :

Cost Implication ☐ Yes ☐ No Time: ☐ Yes ☐ No

Date received:

Expected Date Of Reply:

Received By:

Submitted By:

Al Fahidi


 AROMA SITE OFFICE
 Aroma int'l Building Contracting (L.L.C)
 Contractor's Project Manager

REVIEWED & COMMENTED BY:

ASSESSMENT RESULT

Signature :	<input type="checkbox"/> APPROVED
Name :	<input type="checkbox"/> APPROVED WITH COMMENT(CORRECTIONS REQ.
Date Received:	<input type="checkbox"/> REVISE AND RESUBMIT
Date Released:	<input type="checkbox"/> REJECTED

Comments:

(Black colour As per Sample)

~~ALDER~~ ALDER AS BRAND IS APPROVED

5 Years Warranty to be issued

Issued by:

Project Manager/Resident Engineer/ Date

Distribution: ☐ Client ☐ Al Fahidi Site Team ☒ Al Fahidi Headoffice ☐ Contractor

AL FAHIDI ENGINEERING CONSULTANT



P.O BOX: 20079, DUBAI -U.A.E, TEL: 04 2686339, FAX: 04 2686090

MATERIAL SUBMITTAL FORM

PROJECT	3B+G+7TYP+R RESIDENTIAL & COMMERCIAL BUILDING AT CULTURAL VILLAGE, AL JADAF-DUBAI ON PLOT NO. 3260888
EMPLOYER	MR. SAADI ABDUL RAHIM HASSAN AL RAIS
MAIN CONTRACTOR	AROMA INTERNATIONAL BUILDING CONTRACTING LLC

Material Submittal No.	43	Rev.	0	Date	14-10-19	<input checked="" type="checkbox"/>	New Submittal
						<input type="checkbox"/>	Re Submittal
Sub Contractor	Ciji Aluminium	Trade Reference Aluminium Glass works					
Discipline: <input checked="" type="checkbox"/> Architectural <input type="checkbox"/> Structural <input type="checkbox"/> Mechanical <input type="checkbox"/> Electrical <input type="checkbox"/> Others,Specify							

Brief Description material: **Steel Lock case for Doors (ALDER)**Manufacturer: **M/s. ALDER GERMANY**Supplier: **M/S.ALDER GERMANY**Does Material Submitted Comply? ☒ Yes ☐ No If Deviate from contract, please specify:

Specification Ref :

Bill of Quantity Ref :

If Variation,Why?

Drawing Ref. No :

Cost Implication ☐ Yes ☐ NoTime: ☐ Yes ☐ No


Date received:

Expected Date Of Reply:

Received By:

Submitted By:

Al Fahidi



Aroma int'l Building Contracting (L.L.C)

Contractor's Project Manager

REVIEWED & COMMENTED BY:

ASSESSMENT RESULT

Signature :	<input type="checkbox"/> APPROVED
Name :	<input type="checkbox"/> APPROVED WITH COMMENT(CORRECTIONS REQ.
Date Received:	<input type="checkbox"/> REVISE AND RESUBMIT
Date Released:	<input type="checkbox"/> REJECTED

Comments:

ADLER AS BRAND APPROVED

5 YEARS WARRENTY TO BE ISSUED

Issued by:

Project Manager/Resident Engineer/ Date

Distribution: ☐ Client ☐ Al Fahidi Site Team ☐ Al Fahidi Headoffice ☐ Contractor

15/10/19

SUB-CONTRACTOR / SUPPLIER APPROVAL FORM

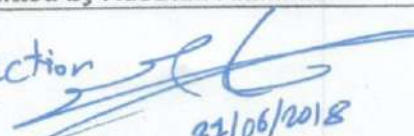
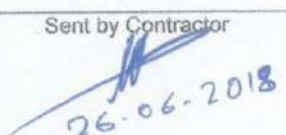
SUBMITTAL REFERENCE NO.	: J125-PQS-032-Rev.00	DATE: 12-07-2018
CLIENT	: DP World - UAE Region, Planning & Project Management	
PROJECT	: P2033FZ JAFZA South Accommodation Phase 3 (Junior Blocks) In Plot Nos. Dubai, UAE	
MAIN CONTRACTOR	: RAQ Contracting Co. L.L.C	
CONSULTANT	: ORBIT Engineering Consultant	
NAME OF SUB - CONTRACTOR/SUPPLIER	: Gulf Tower / ADLER Glaserei GMBH	
NAME OF MATERIAL	: Accessories for Doors & Sliding Windows	
SPEC/BOQ/DWG. REF	:	
(Enclose Copy)	: Hard Copy & Soft Copy	
SAMPLE SUBMITTED	: <input type="checkbox"/>	LITERATURE SUBMITTED: <input type="checkbox"/>
Attachments:		
<input type="checkbox"/> Technical Data <input type="checkbox"/> Catalogue <input type="checkbox"/> Sample List <input type="checkbox"/> Physical Sample <input checked="" type="checkbox"/> Pre-Qualification <input type="checkbox"/> Valid License <input type="checkbox"/> Other Drawings		
CONTRACTOR NAME	DATE	SIGNATURE
Mr. AMJAD THABET (Sr. PM)	12-07-2018	
DPW RECEIVER NAME	DATE	SIGNATURE
CLIENT / EMPLOYEE REPRESENTATIVE COMMENTS:		
Approved <input checked="" type="checkbox"/> Submittals is incomplete. The following is required: <input type="checkbox"/> Approved with comments: <input type="checkbox"/> Rejected, because: <input type="checkbox"/>		
<p style="text-align: center;"><i>approved supplier / Brand of accessories</i></p>		
DPW REPRESENTATIVE APPROVAL (NAME)	DATE	SIGNATURE
	15/7/18	
CLIENT'S APPROVAL (NAME)	DATE	SIGNATURE
FORM RECEIVED BY MAIN CONTRACTOR (NAME)	DATE	SIGNATURE
Note:		



BU HALEEBA CONTRACTING LLC.

PROJECT: LABOUR ACCOMMODATION (B+G+2)		
PLOT NO. 369-0194 AL QUOZ INDUSTRIAL 4		
CLIENT	CONSULTANT	CONTRACTOR
Mr. Abdulla Al Hamad Saeed Bu Haleeba	M/s Abdul Rahim Architectural Consultants	M/s Bu Haleeba Contracting

REF NO DT/18/14	TRANSMITTAL FORM	DATE 26-Jun-18
---------------------------	-----------------------------	--------------------------

	From	To
Company	M/s Bu Haleeba Contracting	M/s Bu Haleeba Real Estate
Person	Engr. Jamal Wadi - Project Manager	Engr. Ehab - Projects Co-ordinator
Fax no.		
Address	Al Quoz Industrial Area 4, Dubai, U.A.E	
Sl.No	Description	Status / Remarks
1	2. No of Door Lock Sample alongwith specifications (Adler) submitted by Austrian Aluminium	Submitted for Approval
Note: <i>NO Objection</i>  22/06/2018		
Sent by Contractor  26-06-2018 Sign & date		Received by Client Sign & date

Copy to

Ex. Sarang

Ex. Ibrahim

for info & further n/a

Ex. Sarang
01/July/2018



Materials:



A) Aluminum C.W Sample Color 7024 with Following

Glass:

(6mm SunGuard Neutral 40 FT + 12mm mill Finish Spacer + 6mm Clear FT)

B) Glass Handrail Sample With Following Glass
(6mm Clear FT + 1.52 pvb +6 mm Clear FT)

C) Accessories Board As Attached

- 1- Adler handle (white)
- 2- Adler look with cylinder
- 3- Adler hinges two parts (black)
- 4- EPDM CW rubber + CW isolator
- 5- Fix anchor M10x110
- 6- Fix anchor M12x110
- 7- Hexagon bolt with threading nut M10 X100
- 8- Hexagon bolt with threading nut M8X80
- 9- Silicon antifungal sealant Asmaco 2540
- 10 -Silicon weather sealant Asmaco 2670
- 11 -Varies S.S Fabricating Screws
- 12- Celine double action floor machine

D) Cladding : ACP Alupex

(Board Attached) As Follows :

- 13- 4 mm ACP Alupex A2 2 hours FR sample + color chart
- 15- 50mm Rockwool Knauf insulation 36 kg/ m3
- 16- 50mm Rockwool Knauf insulation 100 kg/ m3
- 17- Silicon fire stop sealant asmaco
- 18- GI Sheet

Manufacturer/Supplier:



Gulf Tower Bldg. metal const. Ind. LLC

PROJECT: DPW EXPO PAVILION & LEGACY BUILDING

SUBMITTAL

<u>Project:</u> DPW EXPO PAVILION & LEGACY BUILDING	<u>Sub-Contractor:</u> GULF TOWER IND. LLC
<u>Client:</u> DPW	<u>Ref No :</u> GT/Q/1475 R2 /19
<u>Consultant:</u> YAGHMOUR ARCHITECTS PLANNERS ENGINEERS	<u>Submittal for:</u> ALUMINIUM, GLASS, ROCKWELL, SILICON – REV02
<u>Main Contractor:</u> RAQ CONTRACTING CO L.L.C	<u>Scope of Work:</u> SUPPLY AND INSTALLATION OF ALUMINIUM AND GLASS WORKS.

Submittal Include:

1. Company profile
2. Job Reference of Gulf Tower Ind LLC
3. Trade License
4. ISO Certificate
5. Data Sheets

D1- Emirates Excursion Aluminum

D2- 1- (6mm SunGuard Neutral40 FT + 12mm mill Finish
Spacer + 6mm Clear FT)

2- 13.52mm Lamination (6mm Clear FT + 1.52 pvb +6 mm clear
FT)

D3- 1- Accessories Adler brand (1+2+3)

2- Celine double action floor machine (12)

D4- Rubber (4)

D5 – 1- Anchor Bolt (4+6+7+8)

2- S. S screws (11)

D6- Silicone Asmaco 2540 & 2670 & fire rated (9+10+17)

D7- Cladding : ACP Alupex A2(14)

D8-1- Kuauf insulation Rockwool 36 (15)

2- Kuauf insulation Rockwool 100 (16)

D9 – GI sheet (18)

6. Suppliers Details.

S1. Guardian Glass (Glass Manufacturer)

S2. Gulf Glass Ind. (Glass Supplier)

PROJECT: DPW EXPO PAVILION & LEGACY BUILDING



GULF TOWER BLDG. METAL CONST. IND. LLC

S2. Emirates Extrusion (Aluminum Supplier)

S3. Emirates Extrusion (Powder Coating)

S5. Al Heloul Al Mamaryah Bldg. Mat. (Aluminium Accessories Suppl.

ADLER)

7. GT Civil Defense Certificate

8. Sample Board Pics

For & behalf of Gulf Tower Industries LLC.



Company Profile

PROJECT: DPW EXPO PAVILION & LEGACY BUILDING

Dear Sir,

Kindly find below the list of Projects and Company name we supplied for **Spider Fitting ADLER Germany**.

No	Company Name and Location	Project Name	Project Location
1	Alunasa P.O. Box 22120 Doha, Qatar	Mercedes Show Room	Doha, Qatar
2	Alunasa P.O. Box 22120 Doha, Qatar	Nissan Showroom	Doha, Qatar
3	Alu Glass Company LTD P.O. Box 2354 Doha, Qatar	Building for Mr. Abdulla Mani	Doha, Qatar
4	Designer's Touch Aluminium LLC P.O. Box 35033 Sharjah, UAE	Iqbal Restaurant	Tanzania, Africa
5	Designer's Touch Aluminium LLC P.O. Box 35033 Sharjah, UAE	Dar Al Salam Plaza	Tanzania, Africa
6	Al Khalid Aluminium P.O. Box 13038, State of kuwait	Ryan Tower	Kuwait
7	British Link Kuwait Company P.O. Box 53054 Al Nuzha 73061, Kuwait	Alderwaza Mall	Kuwait
8	Masri Brothers Aluminium Company Amman, Jordan	Egyptian Embassy	Jordan
9	Petra Gulf Aluminium P.O. Box 73676 Dubai, UAE	Noor Mall	Jordan
10	Al Aboor Aluminium Est. P.O. Box 10063 Al Ghusais Dubai, UAE	Suoq Extra Ewan Residence	Dubai, UAE
11	Excel Glass and Aluminium P.O. Box 26539 Dubai, UAE	Karama / Bhatia	Dubai, UAE
12	Excel Glass and Aluminium P.O. Box 26539 Dubai, UAE	Dubai Mall / Kidzania	Dubai, UAE
13	Leader Aluminium and Glass Sharjah, UAE	Ashared Building	Dubai, UAE
14	Prisma Metal Industry LLC P.O. Box 3044 Al-Khobar KSA	Inter Continental	Riyadh, KSA
15	Prisma Metal Industry LLC P.O. Box 3044 Al-Khobar KSA	Sheraton Hotel Extension	Dammam, KSA
16	Masri Brothers Aluminium Company Amman, Jordan	Egyptian Embassy	Amman, Jordan
17	Jirish Glass Cairo, Egypt	City Star	Cairo, Egypt
18	Alunile Aluminium Cairo, Egypt	Alrehab Shopping Mall	Cairo, Egypt



TECHNICAL DATA

A.D.L.E.R Glaserei GmbH declare that:

Friction Stay 6 Bar Hinges for Open Out Conceal Window for

Curtain Wall G-3201

SIZE 8" – 12"

Passed the test with the following:

DURABILITY

50,000 cycle - Class 5

Actuator Pneumatic According to:

EN 13126-3-2011

EN 13126-1-2006

Adler
GERMANY

Test size	Category	Durability	Mass	Fire Resistance	Safety in use	Corrosion resistance	Security	Application
10	1	2	3	4	5	6	7	8
	1	7-170	2	3	4	4	0-0	3.1-C2

Date of issue: 24/06/2015


A.D.L.E.R. Glaserei GmbH
Fidicinstraße 3 · 10965 Berlin
Tel. 691 60 65 Fax 601 60 16

We hereby certify that the presented item hereon have been inspect and tested to the specification stated as above.



ADLER GLASEREI GMBH

TECHNICAL DATA

A.D.L.E.R Glaserei GMBH declare that:

Friction Stay 6 Bar Hinges for Open Out Conceal Window for

Curtain Wall G-304

SIZE 16" – 28"

Passed the test with the following:

DURABILITY

50,000 cycle - Class 5

Actuator Pneumatic According to:

EN 13126-3-2011

EN 13126-1-2006

Adler
GERMANY

Test size	Category	Durability	Mass	Fire Resistance	Safety in use	Corrosion resistance	Security	Application
10	1	2	3	4	5	6	7	8
	1	7-170	2	3	4	4	0-0	3.1-C2

Date of issue: 24/06/2015



A.D.L.E.R. Glaserei GmbH

Fidicinstraße 3 · 10965 Berlin

Tel. 691 60 65 Fax 601 60 16

We hereby certify that the presented item hereon have been inspect and tested to the specification stated as above.



ADLER GLASEREI GMBH

TECHNICAL DATA

A.D.L.E.R Glaserei GMBH declares that:

C-AD101 & C-AD 102

Hinge Door Handle

Passed the test according to:

CYCLIC DURABILITY 25000 Cycles



**On the Test Machinery:
Pneumatic Movement System**

According the Norms:

EN 1906-2010

EN 13126-1:2006



Building Hardware- Lever handles and Entrance Doors- Requirement and Test Methods.

Classification:

Category of Use	Durability	Mass	Fire	Safety of use	Security	Corrosion resistance	Grade
1	2	3	4	5	6	7	8
3	8	-	0	1	0	2	A

Handle as appeared on test.

Date of issue: 15/06/2015


ADLER GLASEREI GMBH
Fidicinstraße 3
Tel. 031 99 135 Fax 031 99 136
10965 Berlin Germany

We hereby certify that the presented item hereon have been inspect and tested to the specification stated as above.



ADLER GLASEREI GMBH

TECHNICAL DATA

A.D.L.E.R Glaserei GMBH declares that:

C-AD 103

Two Wings (Flash Base Hinge)

Passed the test according to:

**DURABILITY FOR HINGES TO USE
ON DOORS and WINDOWS**

15000cycle – 80kg



On a Test rig:

Pneumatic Actuator

With this test parameters:

Mass: 80kg

Frequency: 550 cycle/h

Classification for the hinge:

Category	Durability	Mass	Fire Resistance	Safety in use	Corrosion resistance	Security	Grade
1	2	3	4	5	6	7	8
2	7	3	0	2	5	0	9

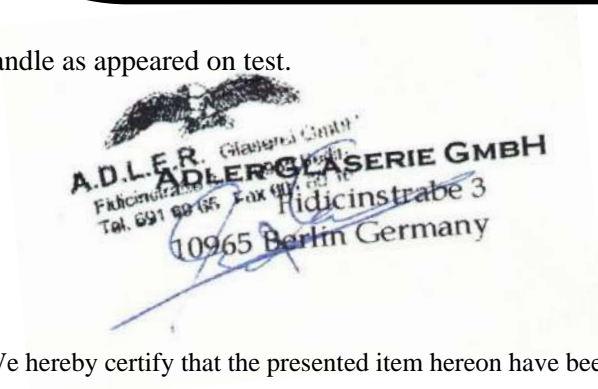
EN 1670:2007

EN 13126-1-2006

EN 1935:2004

Handle as appeared on test.

Date of issue: 24/06/2015



We hereby certify that the presented item hereon have been inspect and tested to the specification stated as above.



ADLER GLASEREI GMBH

TECHNICAL DATA

A.D.L.E.R Glaserei GMBH declares that:

C-AD 104

Three wings Wings (Flash Base Hinge)

Passed the test according to:

**DURABILITY FOR HINGES TO USE
ON DOORS and WINDOWS**



15000cycle – 80kg

On a Test rig:

Pneumatic Actuator

With this test parameters:

Mass: 80kg

Frequency: 550 cycle/h

Classification for the hinge:

Category	Durability	Mass	Fire Resistance	Safety in use	Corrosion resistance	Security	Grade
1	2	3	4	5	6	7	8
2	7	3	0	2	5	0	9

EN 1670:2007

EN 13126-1-2006

EN 1935:2004

Handle as appeared on test.

Date of issue: 24/06/2015



We hereby certify that the presented item hereon have been inspect and tested to the specification stated as above.



ADLER GLASEREI GMBH

TECHNICAL DATA

A.D.L.E.R Glaserei GMBH declares that:

C-AD 105

Bridge Hinges

Passed the test according to:

**DURABILITY FOR HINGES TO USE
ON DOORS and WINDOWS**

16000cycle – 100kg

On a Test rig:

Pneumatic Actuator



With this test

parameters: Mass: 100kg

Frequency: 570 cycle/h

Classification for the hinge:

Category	Durability	Mass	Fire Resistance	Safety in use	Corrosion resistance	Security	Grade
1	2	3	4	6	6	8	9
2	7	3	0	2	5	0	9

EN 1670:2007

EN 13126-1-2006

EN 1935:2004

Date of issue: 24/06/2015



We hereby certify that the presented item hereon have been inspect and tested to the specification stated as above.



ADLER GLASEREI GMBH

TECHNICAL DATA

A.D.L.E.R Glaserei GmbH declares that:

C-AD 106

60mm Profile Hinges

**Passed the test according to:
DURABILITY FOR HINGES TO USE
ON DOORS and WINDOWS**

20000cycle – 80kg

**On a test rig:
Pneumatic Actuator**

With this test parameters:

**Mass: 80kg Frequency:
500 cycle/h**

Classification for the hinges:

Category	Durability	Mass	Fire Resistance	Safety in use	Corrosion resistance	Security	Grade
1	2	3	4	5	6	7	8
5	7	5	1	1	5	0	14

According to:

EN 1670:2007

EN 13126-1:2006

EN 1935:2004

Date of issue: 14/06/2015



We hereby certify that the presented item hereon have been inspect and tested to the specification stated as above.



ADLER GLASEREI GMBH

TECHNICAL DATA

A.D.L.E.R Glaserei GmbH declares that:

C-AD 107

Two Leaf Heavy Duty Hinges

**Passed the test according to:
DURABILITY FOR HINGES TO USE
ON DOORS and WINDOWS
25000cycle – 110kg**

**On a test rig:
Pneumatic Actuator**

With this test parameters:



**Mass: 110kg
Frequency: 600 cycle/h**

Classification for the hinges:

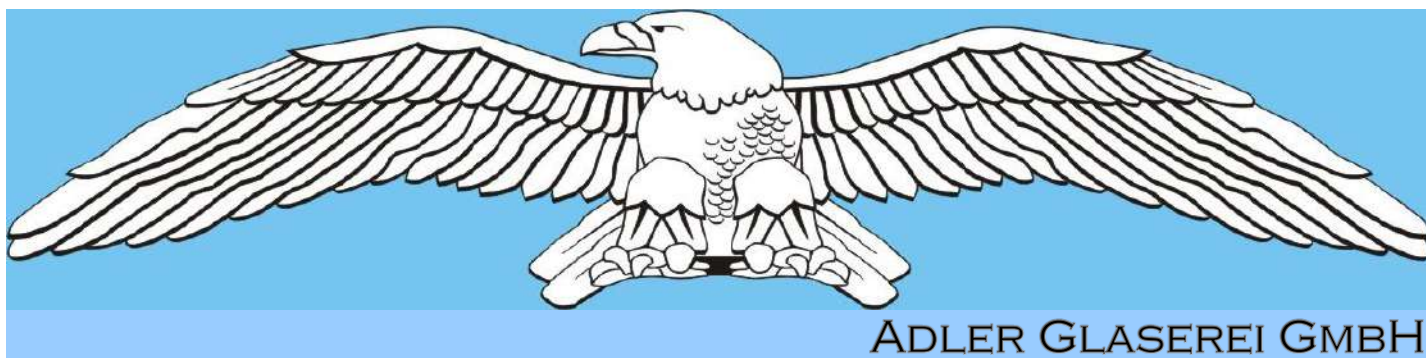
Category	Durability	Mass	Fire Resistance	Safety in use	Corrosion resistance	Security	Grade
1	2	3	4	5	6	7	8
5	7	5	1	1	5	0	14

**According to:
EN 1670:2007
EN 13126-1:2006
EN 1935:2004**

Date of issue: 14/06/2015



We hereby certify that the presented item hereon have been inspect and tested to the specification stated as above.



TECHNICAL DATA

A.D.L.E.R Glaserei GMBH declare that:

C-AD 108 & C-AD-109

Cremone Bolt Handle

Passed the test with the following:

DURABILITY

30000 cycle - Class 6

Actuator Pneumatic According to:



EN 13126-1-2006

EN 13126-3-2011



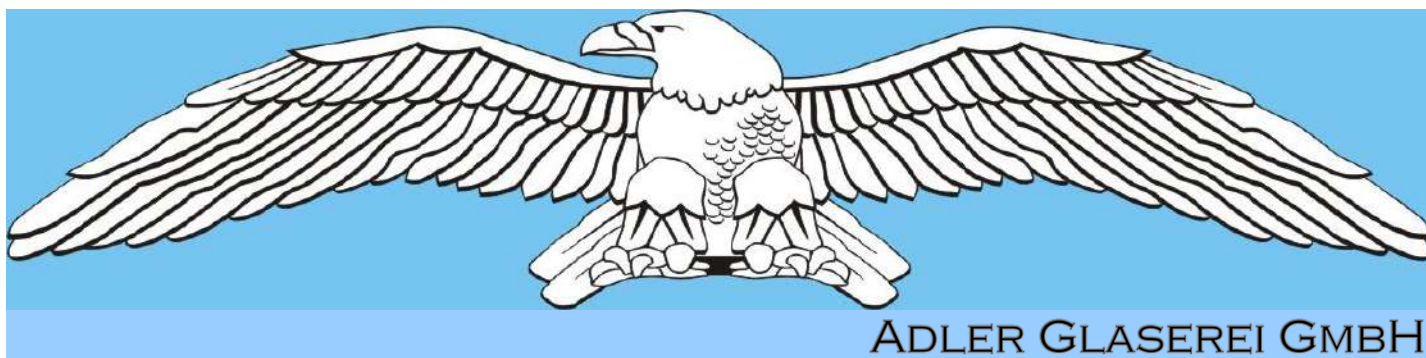
Test size	Category	Durability	Mass	Fire Resistance	Safety in use	Corrosion resistance	Security	Application
9	1	2	3	4	5	6	7	8
	1	6-180	1	0	2	5	0-0	3.1-C2

Handle as appeared on test.

Date of issue: 24/06/2015



We hereby certify that the presented item hereon have been inspect and tested to the specification stated as above.



TECHNICAL DATA

A.D.L.E.R Glaserei GMBH declares that:
Hinge Door Handle C-AD 111
Lever Window Handle

Passed the test according to:
CYCLIC DURABILITY 25000 Cycles

On the Test Machinery:
Pneumatic Movement System



According the Norms:
 EN 1906-2010
 EN 13126-1:2006

Building Hardware- Lever handles and Entrance Doors- Requirement and Test Methods.

Classification:

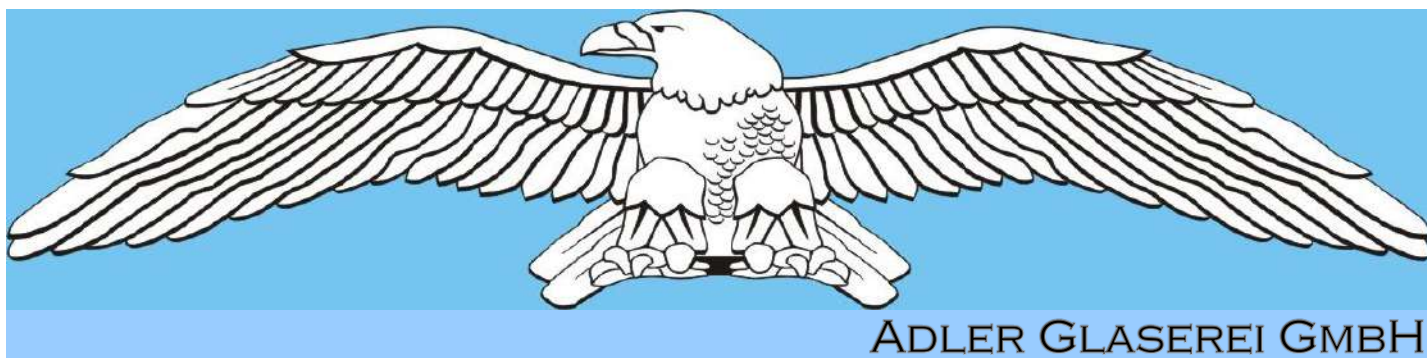
Category of Use	Durability	Mass	Fire	Safety of use	Security	Corrosion resistance	Grade
1	2	3	4	5	6	7	8
3	8	-	0	1	0	2	A

Handle as appeared on test.

Date of issue: 15/06/2015



We hereby certify that the presented item hereon have been inspect and tested to the specification stated as above.



TECHNICAL DATA

A.D.L.E.R Glaserei GMBH declare that:

C-AD-112

Curve Curtain Wall Handle

Passed the test with the following:

DURABILITY

35000 cycle - Class 6

Actuator Pneumatic According to:



EN 13126-1-2006

EN 13126-3-2011

Adler
GERMANY

Test size	Category	Durability	Mass	Fire Resistance	Safety in use	Corrosion resistance	Security	Application
9	1	2	3	4	5	6	7	8
	1	6-180	1	0	2	5	0-0	3.1-C2

Handle as appeared on test.

Date of issue: 24/06/2015



We hereby certify that the presented item hereon have been inspect and tested to the specification stated as above.



ADLER GLASEREI GMBH

TECHNICAL DATA

A.D.L.E.R Glaserei GMBH declares that:

Hinge Door Handle C-AD 119

Lever Bolt

Passed the test according to:

CYCLIC DURABILITY 18000 Cycles



On the Test Machinery:
Pneumatic Movement System

According the Norms:

EN 1906-2010

EN 13126-1:2006

Building Hardware- Lever handles and Entrance Doors- Requirement and Test Methods.

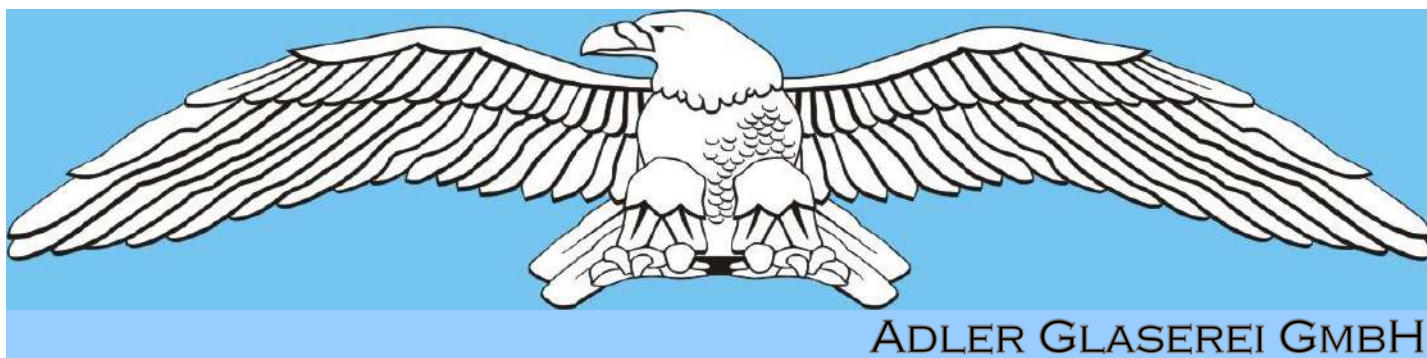
Classification:

Category of Use	Durability	Mass	Fire	Safety of use	Security	Corrosion resistance	Grade
1	2	3	4	5	6	7	8
3	8	-	0	1	0	2	A

Date of issue: 15/06/2015



We hereby certify that the presented item hereon have been inspect and tested to the specification stated as above.



TECHNICAL DATA

A.D.L.E.R Glaserei GMBH declares that:

Hinge Door Handle C-AD 120

Nylon Bolt

Passed the test according to:

CYCLIC DURABILITY 15000 Cycles



On the Test Machinery:
Pneumatic Movement System

According the Norms:

EN 1906-2010

EN 13126-1:2006

Building Hardware- Lever handles and Entrance Doors- Requirement and Test Methods.

Classification:

Category of Use	Durability	Mass	Fire	Safety of use	Security	Corrosion resistance	Grade
1	2	3	4	5	6	7	8
3	8	-	0	1	0	2	A

Date of issue: 15/06/2015



We hereby certify that the presented item hereon have been inspect and tested to the specification stated as above.



TECHNICAL DATA

A.D.L.E.R Glaserei GmbH declares that:

AD-121

Nylon Finger Catch.

Passed the test:
DURABILITY WITH IMPACT
22000 cycle

Testing Machine:
PNEUMATIC ACTUATOR



No effect on:
-Spring
-Huck Length
-Tightening Screw

Date of issue: 25/06/2015



We hereby certify that the presented item hereon have been inspect and tested to the specification stated as above.



TECHNICAL DATA

A.D.L.E.R Glaserei GmbH declares that:

AD-122

Quick Finger Catch.

Passed the test:
DURABILITY WITH
IMPACT 20000 cycle

Testing Machine:
PNEUMATIC ACTUATOR



No effect on:

- Spring
- Huck Length
- Tightening Screw

Date of issue: 25/06/2015



We hereby certify that the presented item hereon have been inspect and tested to the specification stated as above.



TECHNICAL DATA

A.D.L.E.R Glaserei GmbH declares that:

AD-123

Aluminium Finger Catch.

Passed the test:
DURABILITY WITH IMPACT
20000 cycle



Testing Machine:
PNEUMATIC ACTUATOR

No effect on:
-Spring
-Huck Length
-Tightening Screw

Handle as appeared on test.

Date of issue: 25/06/2015



We hereby certify that the presented item hereon have been inspect and tested to the specification stated as above.



TECHNICAL DATA

A.D.L.E.R Glaserei GmbH declares that:
C-AD 132 & C-AD 133
Sliding Single & Double Lock

Passed the test:
DURABILITY WITH IMPACT
35000 cycle



Testing Machine:
PNEUMATIC ACTUATOR

No effect on:
-Spring
-Huck Length
-Tightening Screw



Date of issue: 25/06/2015



We hereby certify that the presented item hereon have been inspect and tested to the specification stated as above.



TECHNICAL DATA

A.D.L.E.R Glaserei GmbH declares that:

C-AD 138

Sliding Push Lock

Passed the test:

DURABILITY WITH IMPACT

30000 cycle



Testing Machine:
PNEUMATIC ACTUATOR

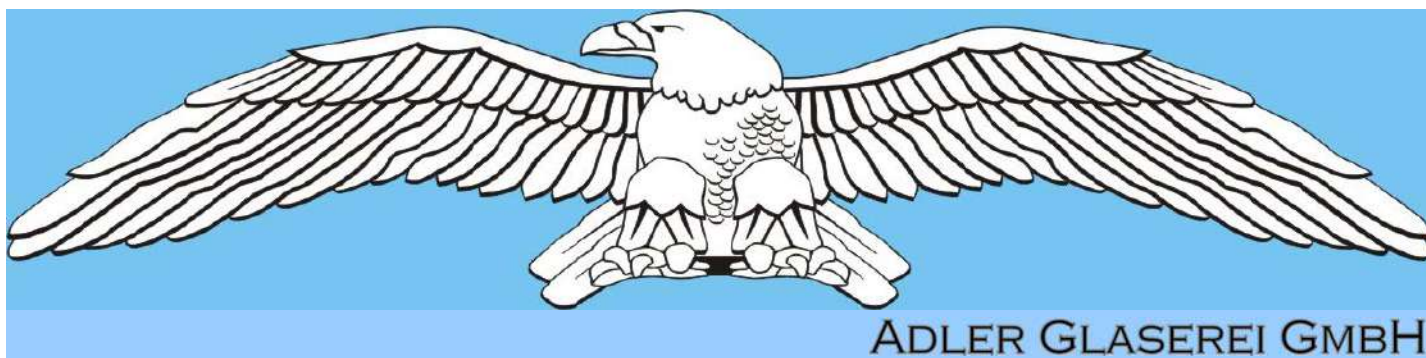
No effect on:

- Spring
- Huck Length
- Tightening Screw

Date of issue: 25/06/2015



We hereby certify that the presented item hereon have been inspect and tested to the specification stated as above.



TECHNICAL DATA

GTD48167

ITEM CODE	DESCRIPTION	WHEEL COLOR	L>D/KG>
C AD-140	Sliding Thermal Break Double Roller	White	100 kg

Adler
G E R M A N Y



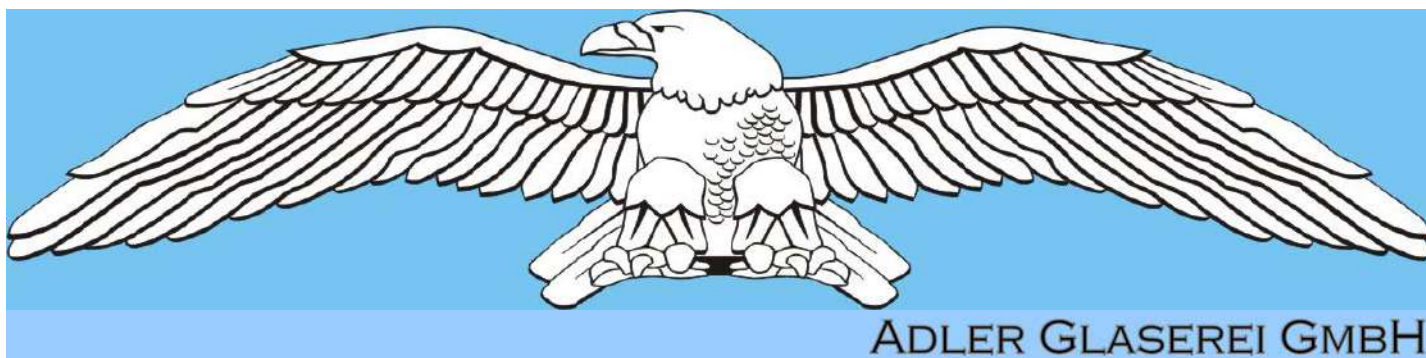
Sliding Thermal Break Double Roller .

Adjustable roller with adjustment screw ,adjustment is easy since the screw is located inside ,which facilitates insertion of the wrench even in awkward operating condition the wheels are mounted on ball bearings ,it is fixed with clamping grub screw.

Capacity of roller 100 kg.

A.D.L.E.R Glaserei GMBH
The materials of Adler have 5 years guarantee.

Fidicinstrabe 3 10965 Berlin Germany; E-mal: info@adler-glaserei.com Website: www.adler-glaserei.com



TECHNICAL DATA

GTD48168

ITEM CODE	DESCRIPTION	WHEEL COLOR	L>D/KG>
C AD-141	Sliding Thermal Break Single Roller	Orange	50 kg

Adler
G E R M A N Y



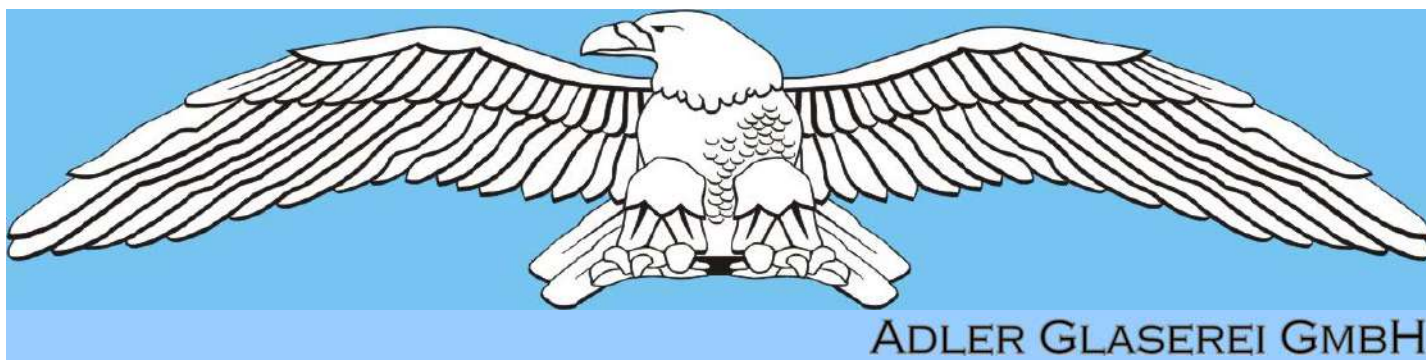
Sliding Thermal Break Single Roller .

Adjustable roller with adjustment screw ,adjustment is easy since the screw is located inside ,which facilitates insertion of the wrench even in awkward operating condition the wheels are mounted on ball bearings ,it is fixed with clamping grub screw.

Capacity of roller 50 kg.

A.D.L.E.R Glaserei GMBH
The materials of Adler have 5 years guarantee.

Fidicinstraße 3 10965 Berlin Germany; E-mail: info@adler-glaserei.com Website: www.adler-glaserei.com



TECHNICAL DATA

GTD48169

ITEM CODE	DESCRIPTION	WHEEL COLOR	L>D/KG>
C AD-142	Sliding Thermal Break Single Roller	WHITE	50 kg

Adler
G E R M A N Y



Sliding Thermal Break Single Roller .

Fixed roller with the possibility of adjustment by inserting the wheel into one of the its 3 possible positions.

The wheels are mounted on ball bearing

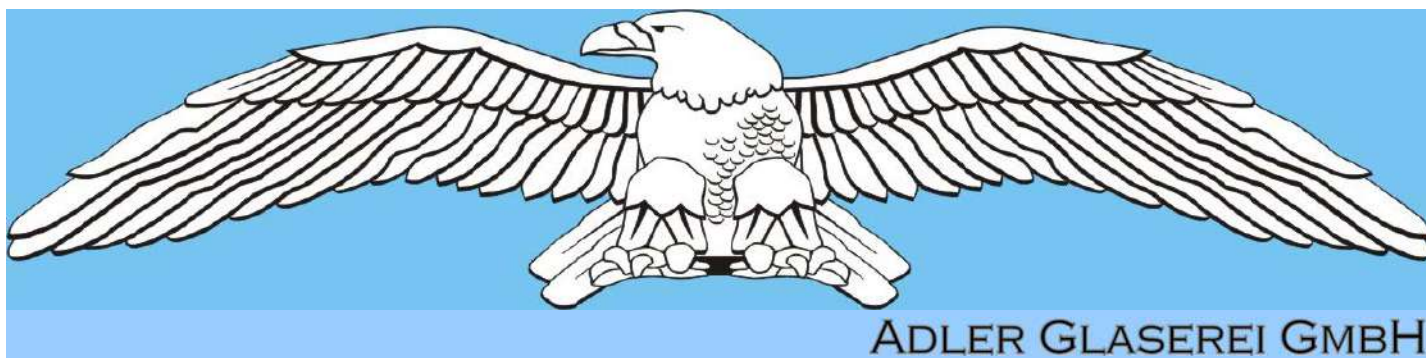
It is fixed with a clamping grub screw

Capacity of roller 50 kg.

A.D.L.E.R Glaserei GMBH

The materials of Adler have 5 years guarantee.

Fidicinstrabe 3 10965 Berlin Germany; E-mal: info@adler-glaserei.com Website: www.adler-glaserei.com



TECHNICAL DATA

GTD48170

ITEM CODE	DESCRIPTION	WHEEL COLOR	L>D/KG>
C AD-143	Sliding Thermal Break Balance Double Roller	Orange	150 kg

Adler
G E R M A N Y



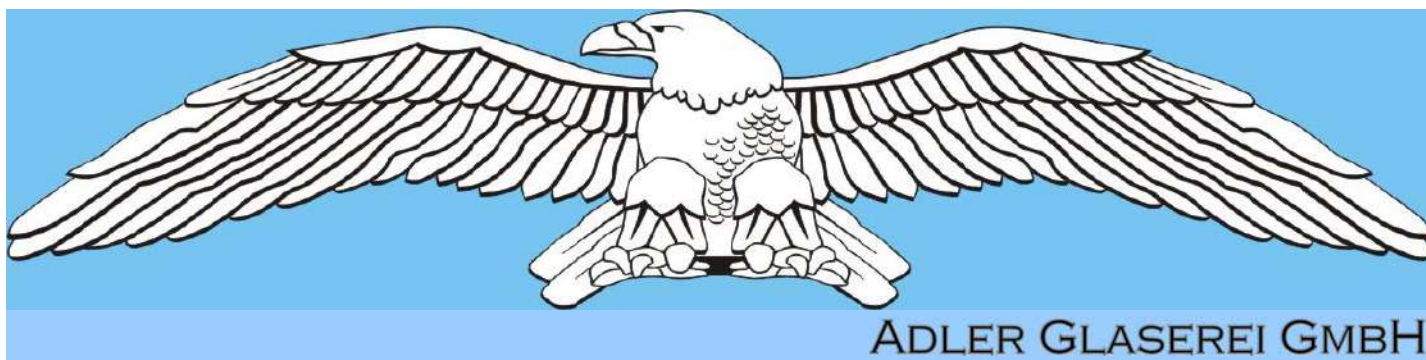
Sliding Thermal Break Balance Double Roller.

Two wheel fixed roller with shielded ball bearings made from cast zamak for more strong body to carry more weight.

Capacity of roller 150 kg.

A.D.L.E.R Glaserei GMBH
The materials of Adler have 5 years guarantee.

Fidicinstrabe 3 10965 Berlin Germany; E-mal: info@adler-glaserei.com Website: www.adler-glaserei.com



TECHNICAL DATA

GTD48171

ITEM CODE	DESCRIPTION	WHEEL COLOR	L>D/KG>
C AD-144	Adjustable Balanced Double Roller	Green	80 kg

Adler
G E R M A N Y



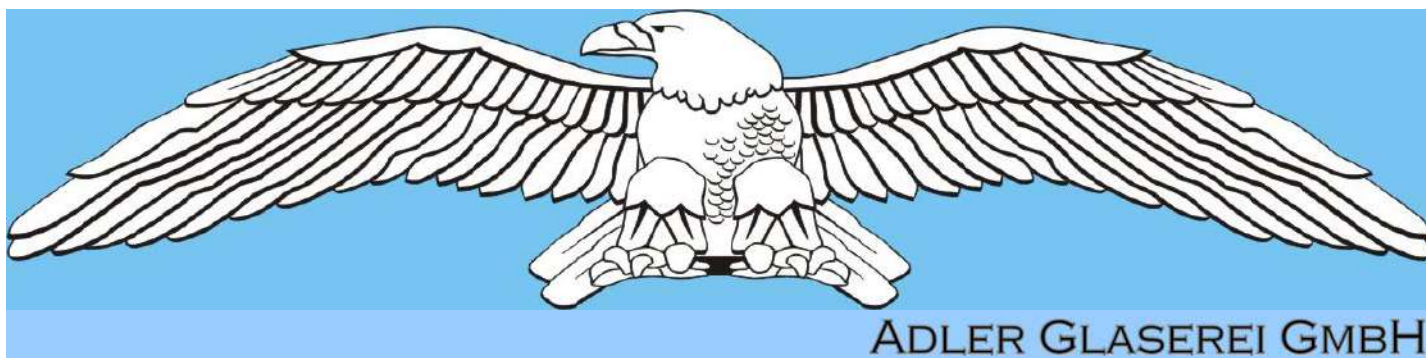
Adjustable Balanced Double Roller .

Two ball bearing nylon external bearing housing galvanized steel internal housing;bolt M5,nut M5 adjusting screw M5 TC Cr balance axis.Ball bearing in tempered steel covered with fibre nylon glass

Capacity of roller 80 kg.

A.D.L.E.R Glaserei GMBH
The materials of Adler have 5 years guarantee.

Fidicinstrabe 3 10965 Berlin Germany; E-mal: info@adler-glaserei.com Website: www.adler-glaserei.com



TECHNICAL DATA

GTD48173

ITEM CODE	DESCRIPTION	WHEEL COLOR	L>D/KG>
C AD-145	Sliding Window & Door Double Box Roller	White	100 kg

Adler
G E R M A N Y



Sliding Window & Door Double Box Roller.

Aluminium sliding window and door rollers .

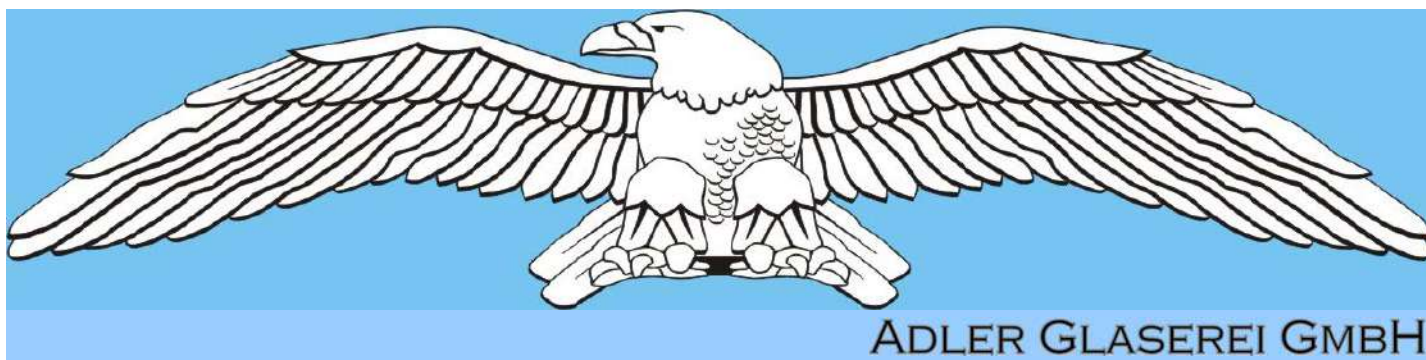
Extruded aluminium with two wheels for sliding window and sliding door and wheel is mounted on ball bearing.

Capacity of roller 100 kg.

A.D.L.E.R Glaserei GMBH

The materials of Adler have 5 years guarantee.

Fidicinstrabe 3 10965 Berlin Germany; E-mal: info@adler-glaserei.com Website: www.adler-glaserei.com



TECHNICAL DATA

GTD48172

ITEM CODE	DESCRIPTION	WHEEL COLOR	L>D/KG>
C AD-146	Sliding Window & Door Single Box Roller	White	50 kg

Adler
G E R M A N Y



Sliding Window & Door Single Box Roller.

Aluminium sliding window and door rollers .

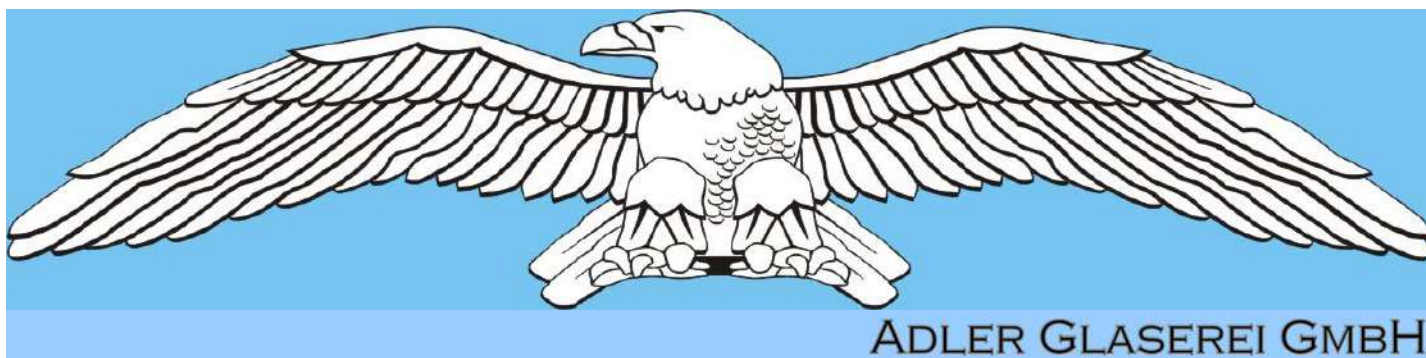
Extruded aluminium with two wheels for sliding window and sliding door and wheel is mounted on ball bearing.

Capacity of roller 50 kg.

A.D.L.E.R Glaserei GMBH

The materials of Adler have 5 years guarantee.

Fidicinstrabe 3 10965 Berlin Germany; E-mal: info@adler-glaserei.com Website: www.adler-glaserei.com



TECHNICAL DATA

GTD48175

ITEM CODE	DESCRIPTION	WHEEL COLOR	L>D/KG>
C AD-147D	Sliding Double Box Roller	White	100 kg

Adler
G E R M A N Y



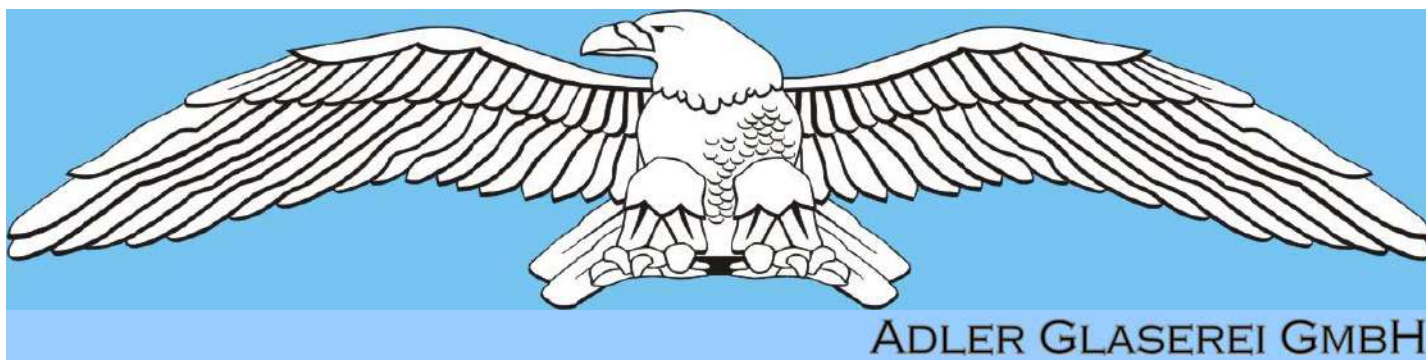
Sliding Double Box Roller .

Carriage extruded aluminium with one or two wheels for aluminium windows and door sliding.

Capacity of roller 100 kg.

A.D.L.E.R Glaserei GMBH
The materials of Adler have 5 years guarantee.

Fidicinstrabe 3 10965 Berlin Germany; E-mal: info@adler-glaserei.com Website: www.adler-glaserei.com

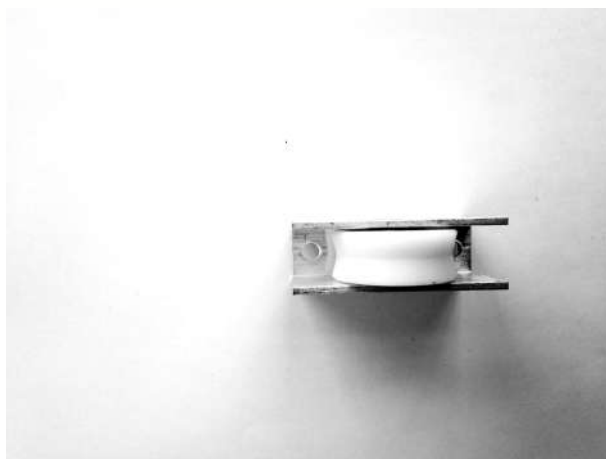


TECHNICAL DATA

GTD48174

ITEM CODE	DESCRIPTION	WHEEL COLOR	L>D/KG>
C AD-147S	Sliding Single Box Roller	White	50 kg

Adler
G E R M A N Y



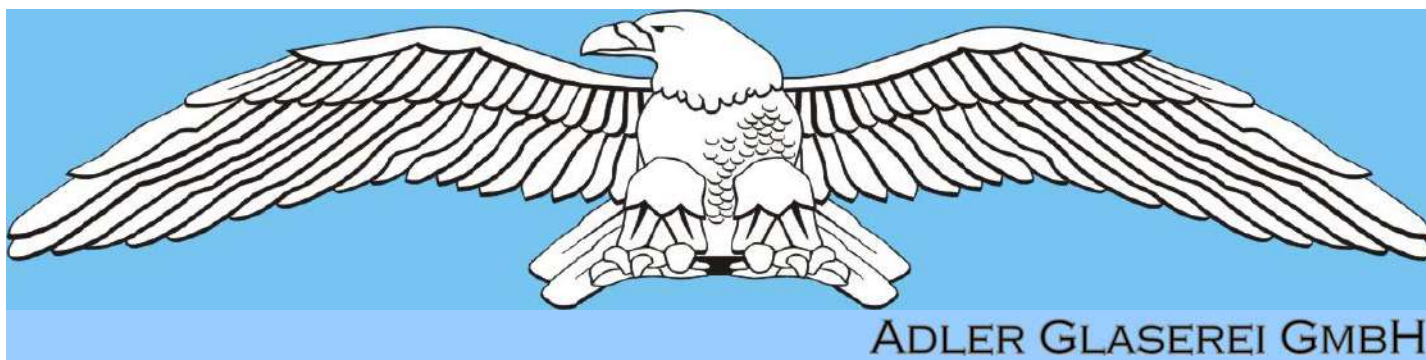
Sliding Single Box Roller .

Carriage extruded aluminium with one or two wheels for aluminium windows and door sliding.

Capacity of roller 50 kg.

A.D.L.E.R Glaserei GMBH
The materials of Adler have 5 years guarantee.

Fidicinstraße 3 10965 Berlin Germany; E-mail: info@adler-glaserei.com Website: www.adler-glaserei.com



TECHNICAL DATA

GTD48176

ITEM CODE	DESCRIPTION	WHEEL COLOR	L>D/KG>
C AD-148	Nylon Fly Screen Roller	Black	

Adler
G E R M A N Y

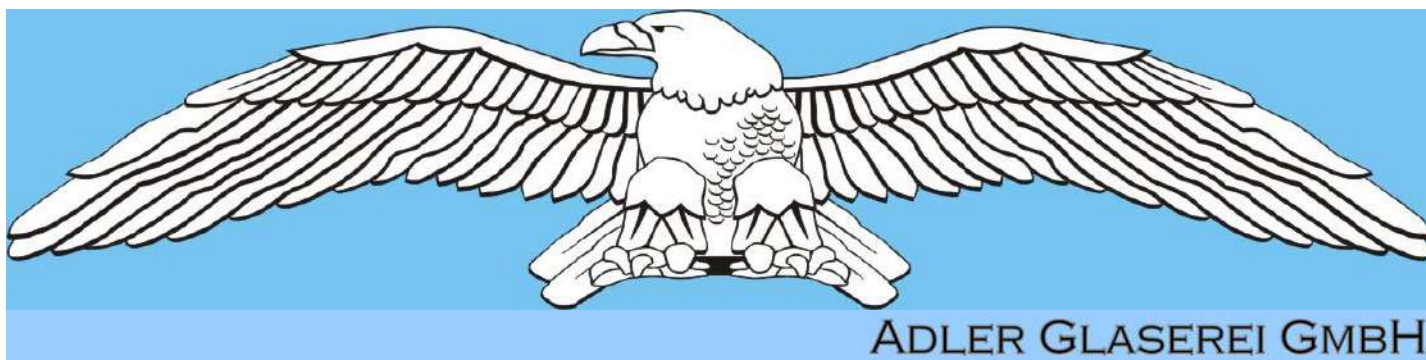


Nylon Fly Screen Roller .

Nylon housing with U shape Nylon Wheel

A.D.L.E.R Glaserei GMBH
The materials of Adler have 5 years guarantee.

Fidicinstrabe 3 10965 Berlin Germany; E-mal: info@adler-glaserei.com Website: www.adler-glaserei.com



TECHNICAL DATA

GTD48178

ITEM CODE	DESCRIPTION	WHEEL COLOR	L>D/KG>
C AD-149D	Self Balance Double Roller	orange	120kg

Adler
G E R M A N Y



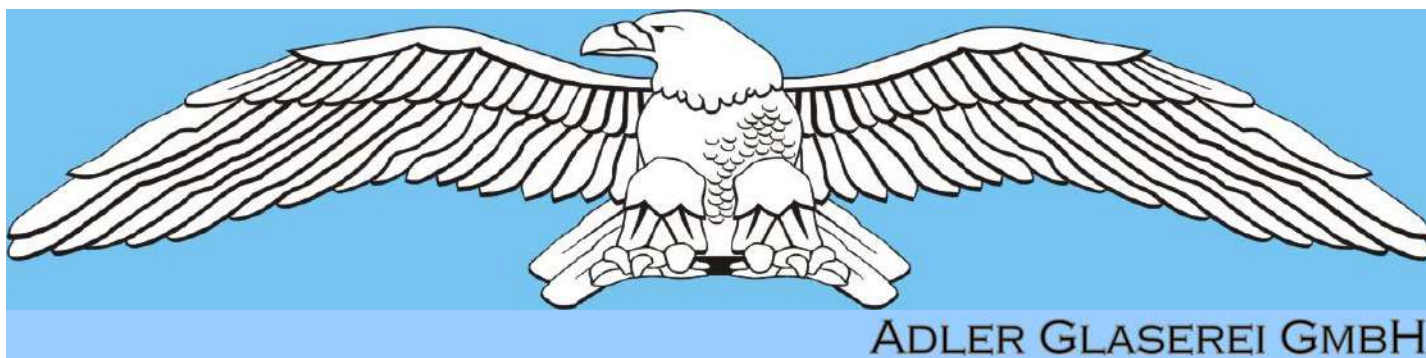
Self Balance Double Roller.

Special roller for heavy sliding sash upto 120kg .Self balance to reduce noise and to run smoothly and strength.

Capacity of roller 120 kg.

A.D.L.E.R Glaserei GMBH
The materials of Adler have 5 years guarantee.

Fidicinstrabe 3 10965 Berlin Germany; E-mal: info@adler-glaserei.com Website: www.adler-glaserei.com



TECHNICAL DATA

GTD48177

ITEM CODE	DESCRIPTION	WHEEL COLOR	L>D/KG>
C AD-149S	Non Adjustable Roller	White	50kg

Adler
G E R M A N Y



Non Adjustable Roller.

Steel housing with V shape Nylon Wheel

Capacity of roller 50 kg.

A.D.L.E.R Glaserei GMBH
The materials of Adler have 5 years guarantee.

Fidicinstrabe 3 10965 Berlin Germany; E-mal: info@adler-glaserei.com Website: www.adler-glaserei.com



TECHNICAL DATA

A.D.L.E.R Glaserei GmbH declares that:

C-AD 155

Sliding Central Seal Pin With Brush.

Passed the test:
DURABILITY WITH
IMPACT 25000 cycle



Testing Machine:
PNEUMATIC ACTUATOR

Adler
G E R M A N Y

Date of issue: 25/06/2015



We hereby certify that the presented item hereon have been inspect and tested to the specification stated as above.



TECHNICAL DATA

A.D.L.E.R Glaserei GmbH declares that:

C-AD 156

Sliding Door Stoper.

Passed the test:

DURABILITY WITH IMPACT

35000 cycle



Testing Machine:

PNEUMATIC ACTUATOR

No effect on:

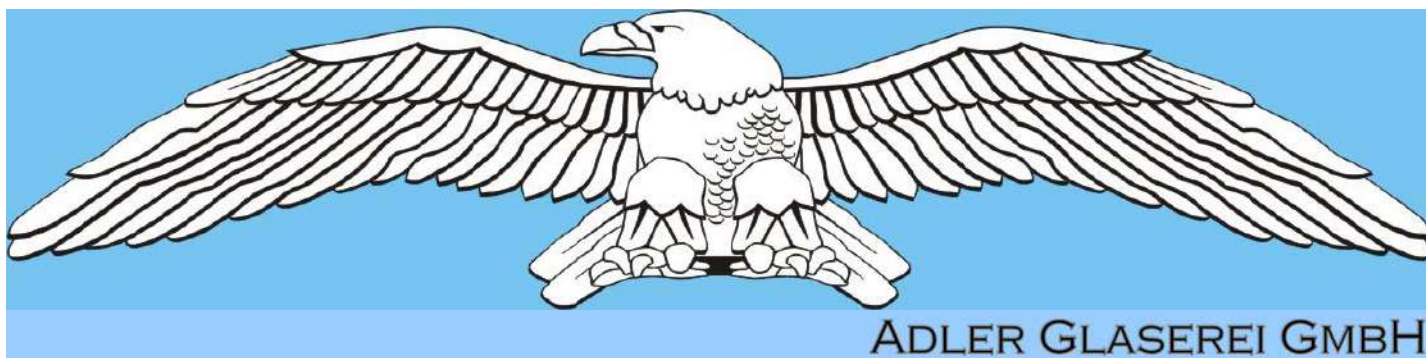
- Tightening Screw
- Huck Length

Handle as appeared on test.

Date of issue: 25/06/2015



We hereby certify that the presented item hereon have been inspect and tested to the specification stated as above.



TECHNICAL DATA

GTD48179

ITEM CODE	DESCRIPTION	WHEEL COLOR	L>D/KG>
C AD-162	Nylon Fly Screen Corner Joint With Roller	Black	

Adler
G E R M A N Y



Nylon Fly Screen Corner Joint With Roller .

Using in combination when assembling the aluminium fly screen window and door frame required to align the profile point in the window order when assembling it comes roller.

Capacity of roller 50 kg.

A.D.L.E.R Glaserei GMBH
The materials of Adler have 5 years guarantee.

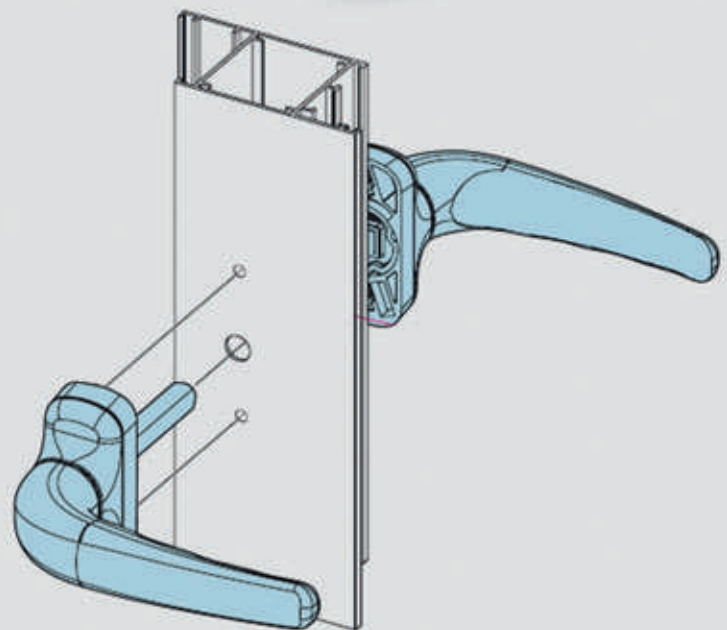
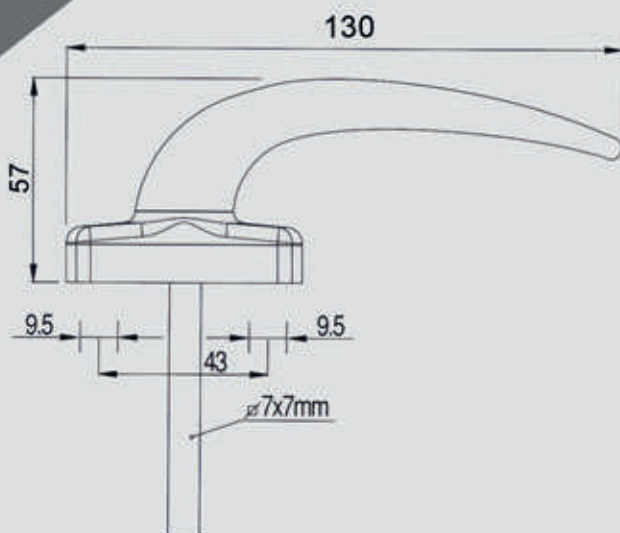
Fidicinstraße 3 10965 Berlin Germany; E-mail: info@adler-glaserei.com Website: www.adler-glaserei.com

Hinge door handle

C-AD 101

Double handle with die-cast aluminium shaft,
It has an easy moving cover screws case, planned for the ambidextrous rotation
without any modification,
Different
solutions available for the assembling: with auto
threading screws or with the use of metrical
screws and rivets.
The double internal recovery spring
assures a perfect horizontal alignment.
Die-cast aluminium handle, box,
cover box and rotor in zamak.
Zinc-coated steel spring;
derlin anti-friction bushes.

Finishing : painted in RAL colors



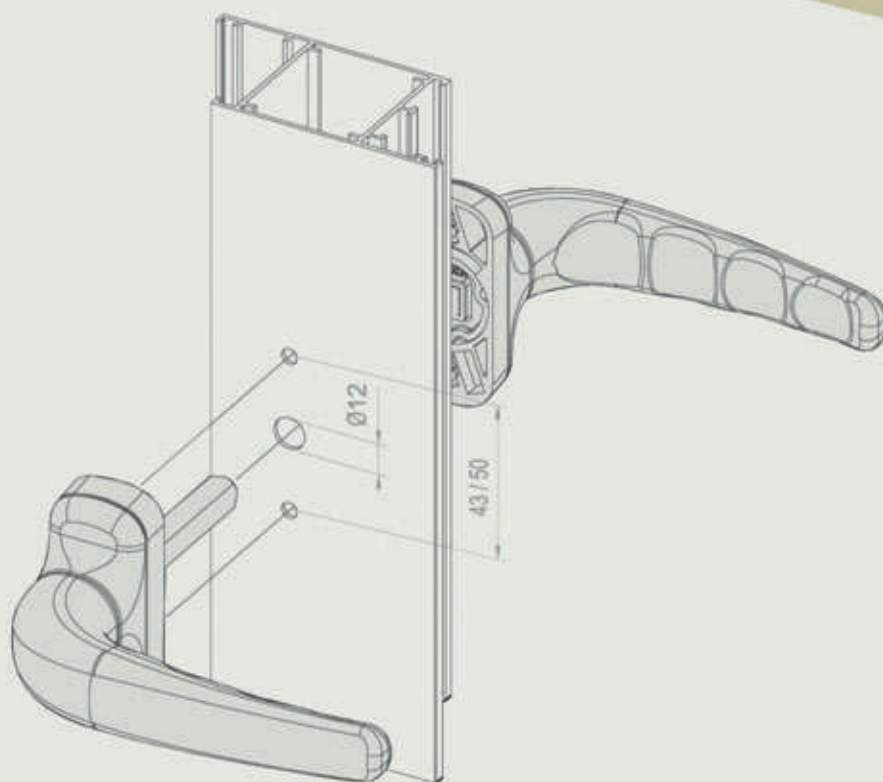
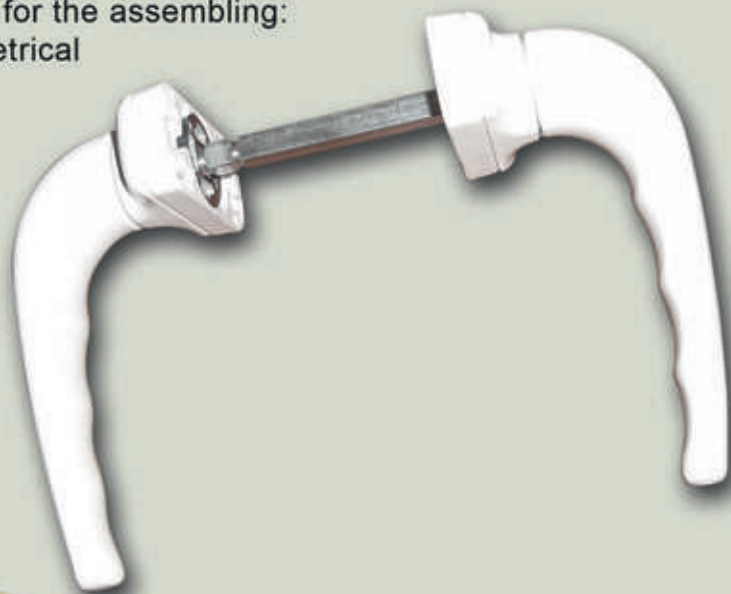
Hinge door handle

Double Door handle with die-cast aluminium shaft, available with comfort designs. It has an easy moving cover screws case, planned for the ambidextrous rotation without any modification, Different solutions available for the assembling: with auto threading screws, with the use of metrical screws and rivets or with the use of anti housebreaking kits.

The double internal recovery spring assures a perfect horizontal alignment. Die-cast aluminium handle, box, cover box and rotor in zamak.

Zinc-coated steel, derlin anti-friction bushes.

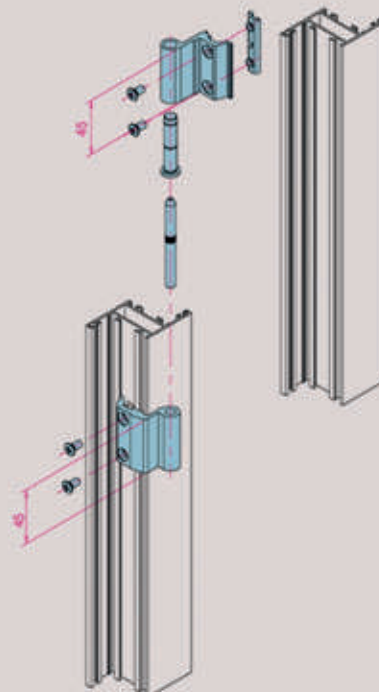
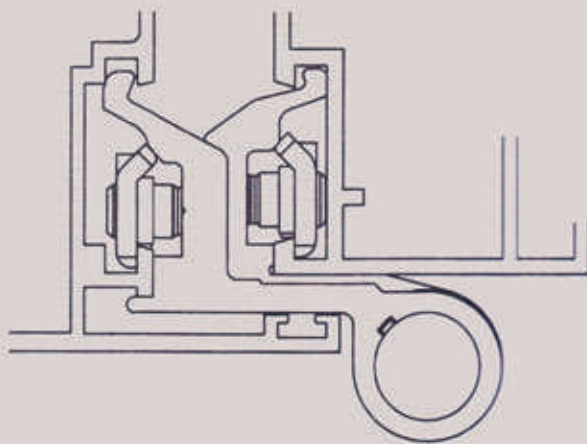
Finishing : painted in RAL colors



Two wings (Flash base hinge)

Tow -wing hinge made from aluminum , extrusion
to fit in euro grove profiles
the coun-terplates, screws and pin are stainless steel
while the bush is made from self-lubricating nylon .
it is ready -assembled right or
lift and so easy to fit to the wing.
Capacity of 2 hinges , 80kg

Finishing : painted in RAL colors

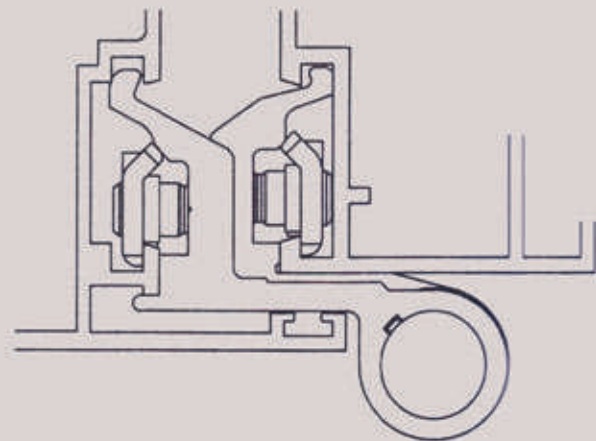
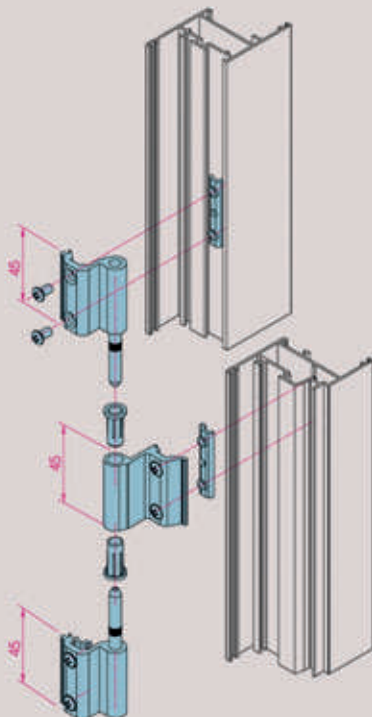


Three wings (Flash base hinge)



three –wing hinge made from aluminum ,
the counterpales,
screws and pin are stainless steel
while the bush is made from
self-lubricating nylon .
it is ready –assembled right or lift
and so easy to fit to the wing.
Capacity of 2 hinges , 90kg

Finishing : painted in RAL colors



Bridge hinge

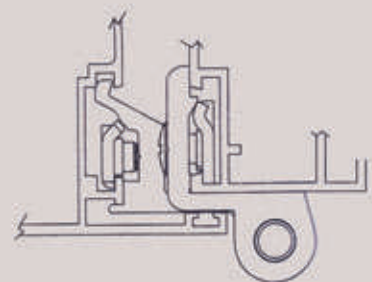
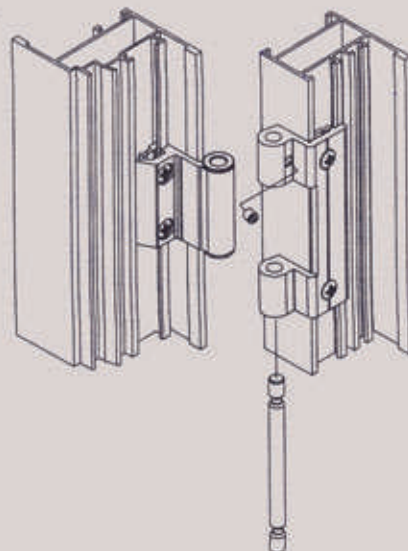
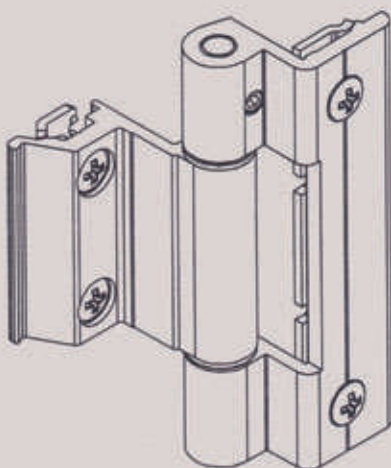
C-AD 105

Group of right and left handed hinge made of aluminum ,
screws and pin are stainless steel .

Used for joint frame with opening shutter of door.

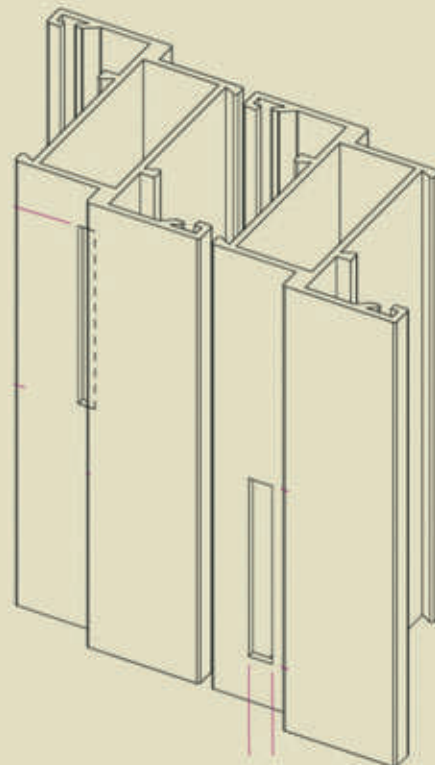
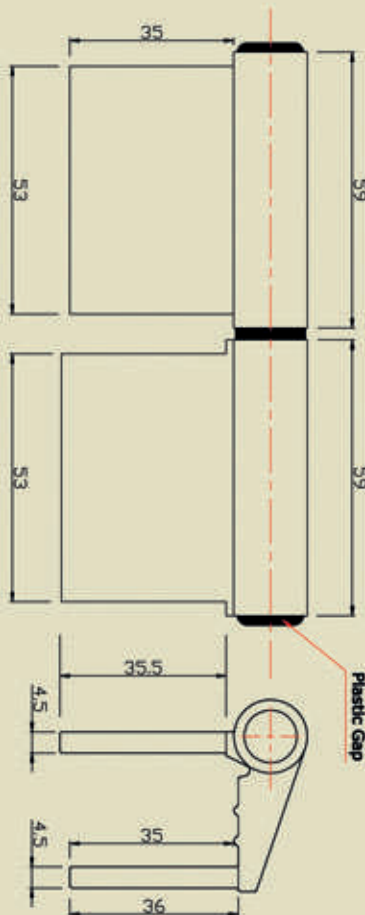
Capacity of 2 hinges 100kg

Finishing : painted in RAL colors



Profile Hinges

Profile hinges
 Hingh tensil aluminum alloy .
 Steel loose pin with nylon end caps
 And double nylon washers .
 Lift-off and Bi-folding .
 Reversible for left and right hand use .
 Available in 40mm & 60mm hinge leafs length
 Finishing : painted in RAL color.



HEAVY DUTY HINGES

The heavy duty hinge is the most efficacious solution for the realisation of doors/frames of considerable dimension and weight. It can be entirely mounted on the pre-assembled frame, thanks to the fast adjustments in the three directions, made without the disassembling of the carter and the removing of the window leaf. This operation can be effected also by one person and is facilitated by the presence of immediately visible incisions.

Hinges are available for different interaxes: 60-79

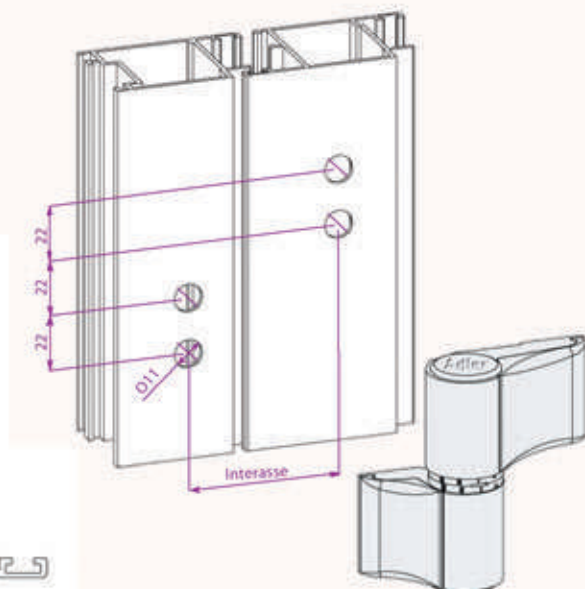
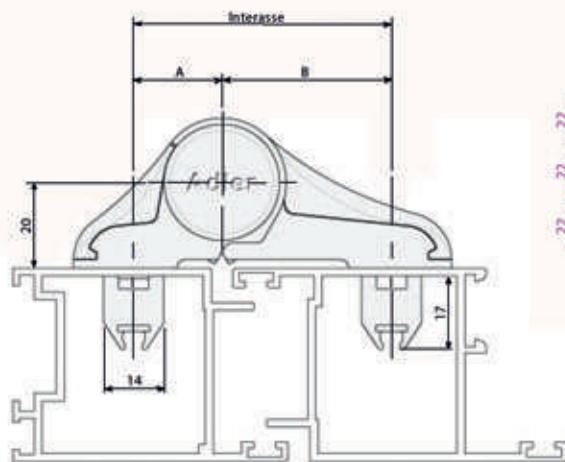
The base body of the hinge is made of extruded aluminium, cover-plate in die-casting aluminium, pivots in stainless steel, self-placing bushes and screws in galvanised steel, ferrules and plugs in nylon, fixing counterplates in extruded aluminium and the spring in galvanised steel.

Load capacity of 2 wings - 150kg .

Finishing : painted in RAL colors



interasse	A	B
60	20,5	39,5
79	39,5	39,5

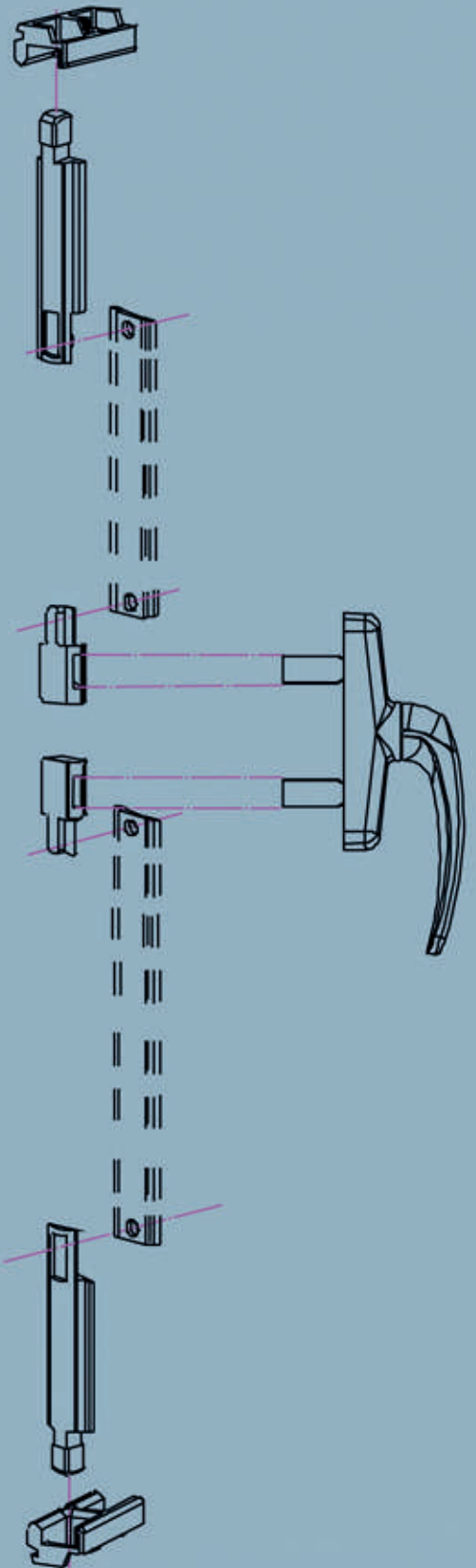
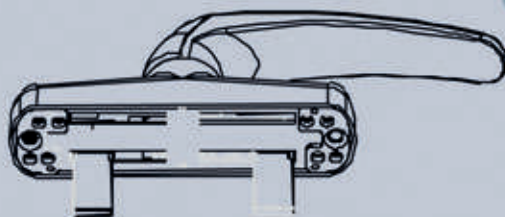
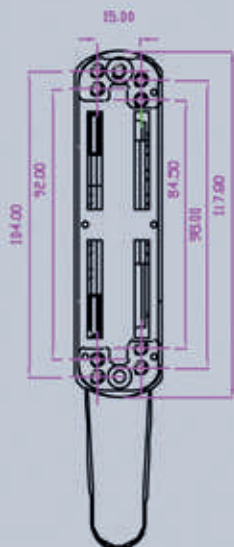


cremone bolt handle

C-AD 108

Aluminum die-cast cremone bolt, the zamak gears slide inside an acetyl resin guide, which also has slots for securing in the opening or closing positions. The cremone bolt is universal, can be reversed and has tow-possible center-to-center distances for securing to the profile. Comes with complete kit for the closing one winged window, consisting of tow-rod connection blocks for cremone bolt, tow-rod ends and tow-check plates, made from zamak.

Finishing : painted in RAL colors

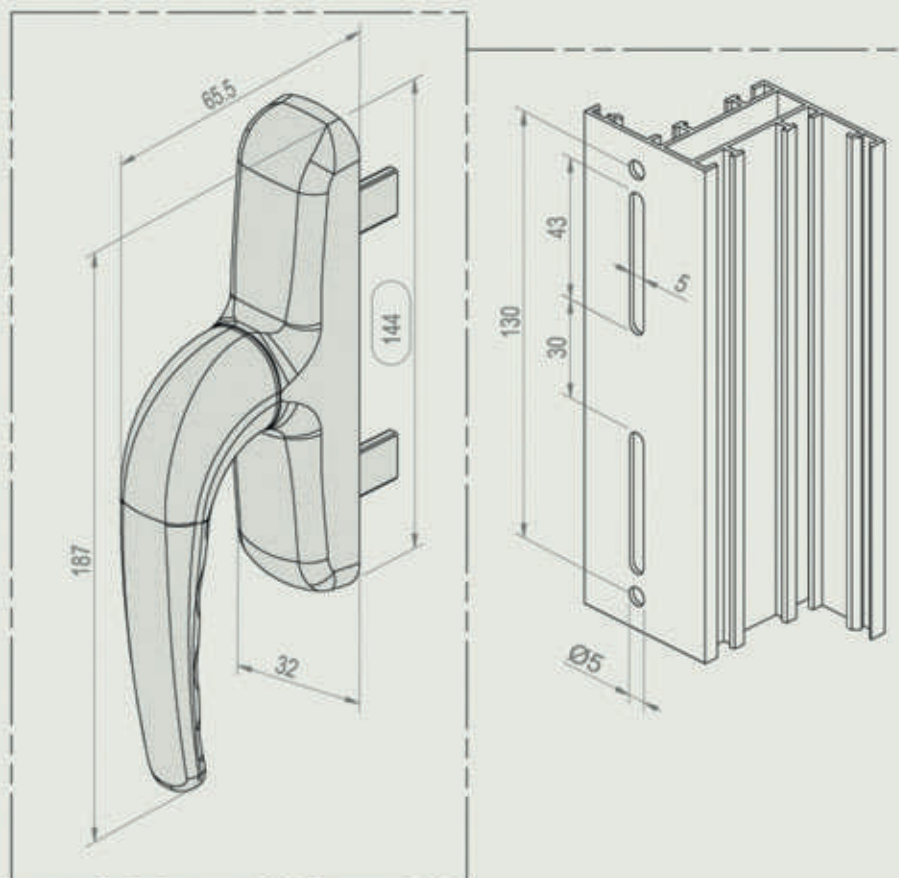


C-AD 109

Cremone bolt handle

die-cast aluminum cremone bolt with zamak gears slide inside an acetyl resin guide, which also has slots for securing in the opening and closing positions, the cremone bolt is universal ,can be reversed and has two possible center -to- center

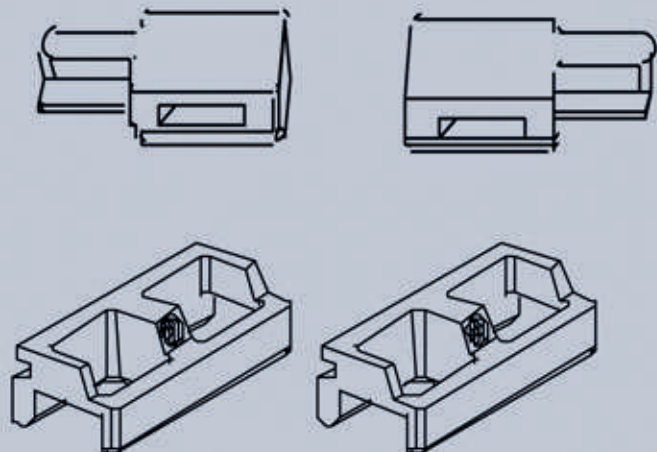
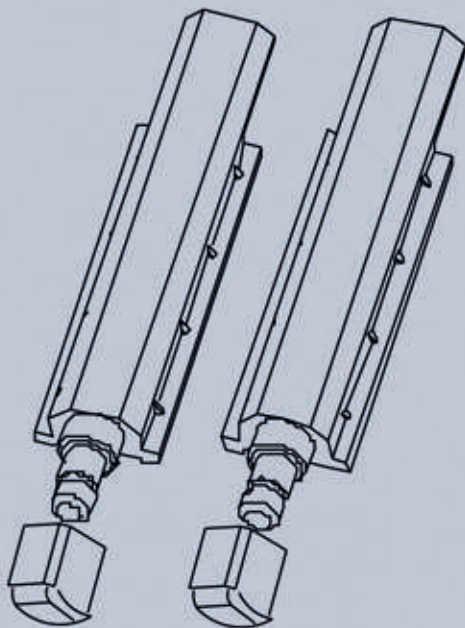
Finishing : painted in RAL colors



LOCKING KIT

Kit for use in conjunction with window Cremone bolts and the kit has all the components needed for the frame fastening device.

This kit converts the window Cremone bolts into a Cremone bolt for inward opening designs. The kit is complete with all the components (2 blocks, 2 end-pieces and 2 keeps) needed for the frame fastening device.

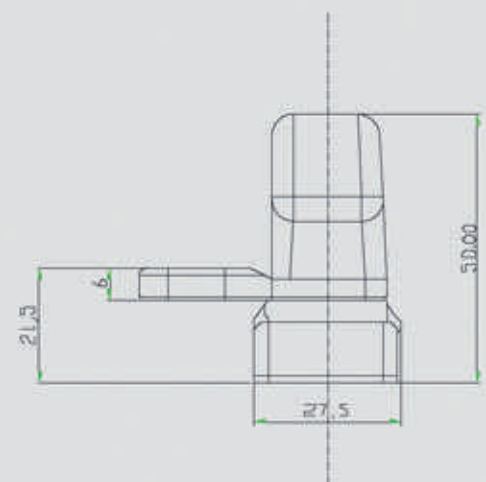
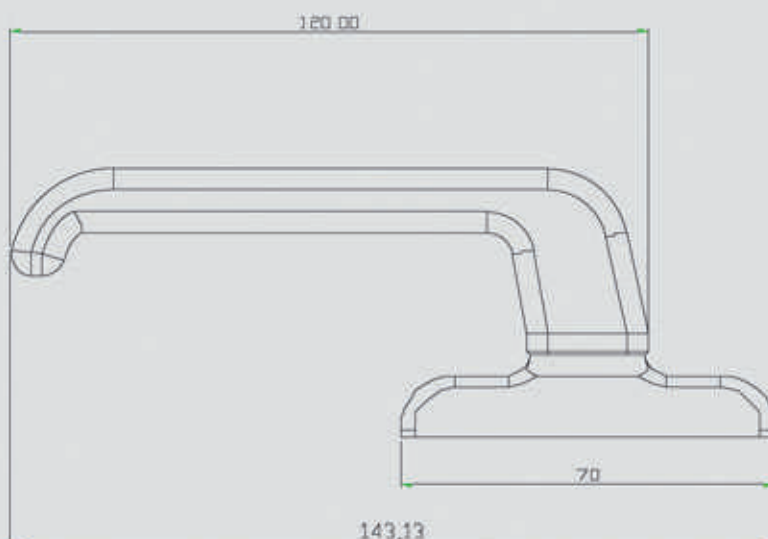
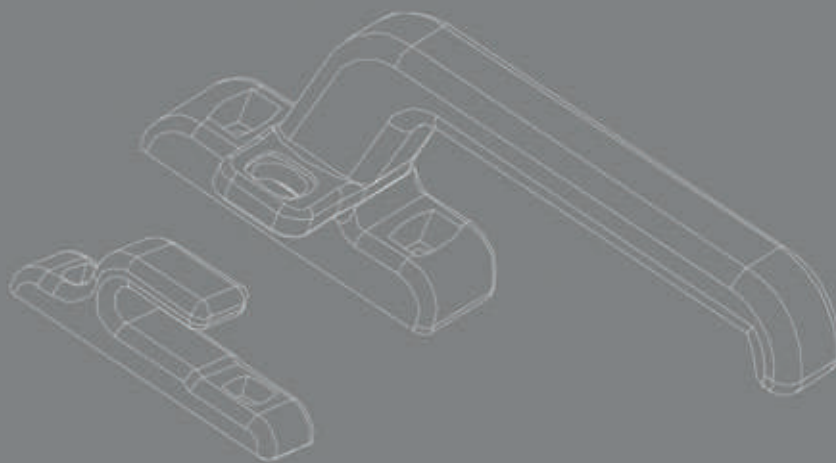


Lever window handle

C-AD 111

Reversible lever handle fittable for internal/external ,left/ right installation to close top-hung and pivot – hung window, and hand reversal possible by swapping over the handle

Finishes: painted in RAL colors.

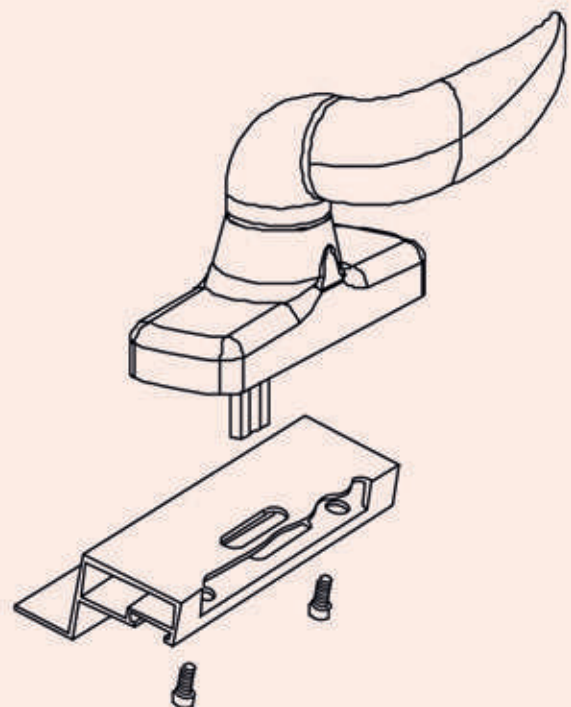
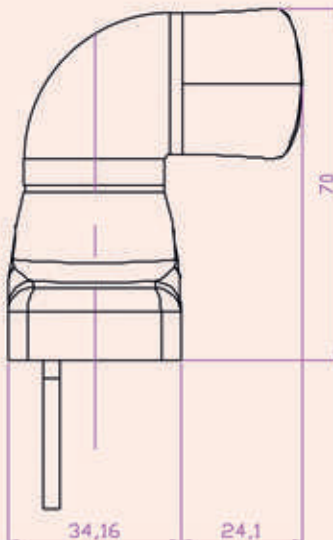


C-AD 112

curve curtain wall handle

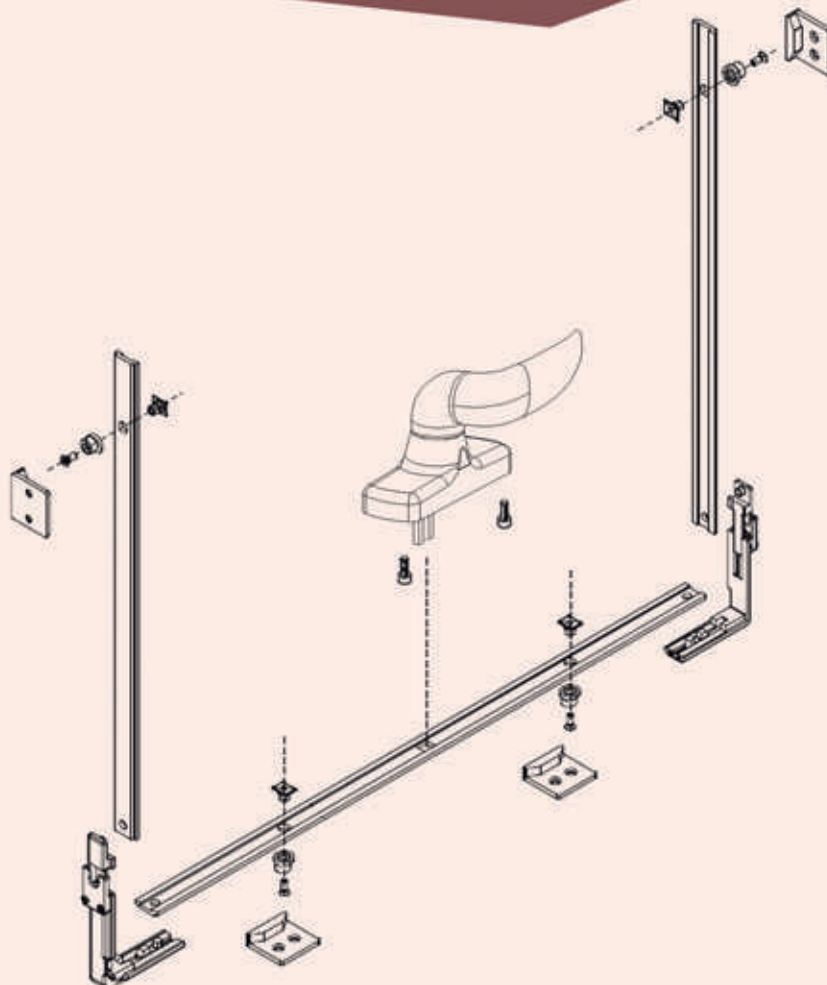
The employ of Die-cast aluminum handle and zamak case . its differs from the basic casement bolt because, apart from having only one transmission fin, it has an offset handle for ease of grip since it is to be applied on the lower strut of outward opining windows.

Finishing : painted in RAL colors



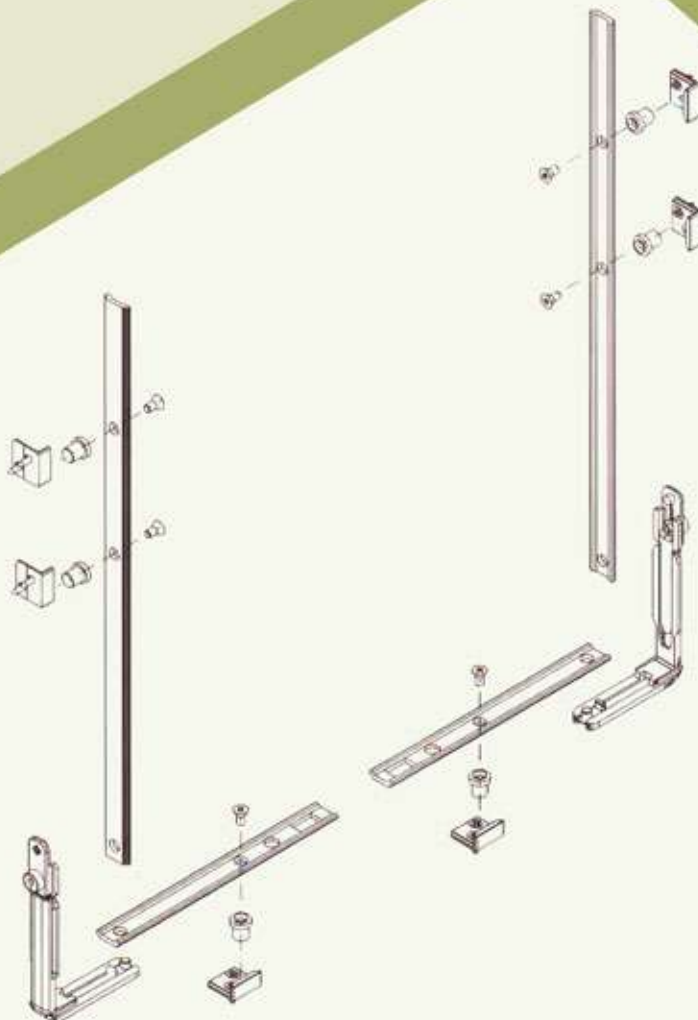
OUTWARD TOP-HUNG OPENING SYSTEM

Accessory which can be fitted on the rods of the cremone bolts to have an additional lock.
Galvanized steel pivot and screw M5.
zamak closing eccentric; adjustable in 8 different positions and adaptable with the counterplates



ADDITIONAL VERTICAL LOCK

It allows the application of two additional vertical closing points, one on the cremone bolt side and the other one on the hinge side. Materials made from black galvanized Zamak.



CURTAIN WALL LOCKING ACCESSORIES

C-AD 115

Functions

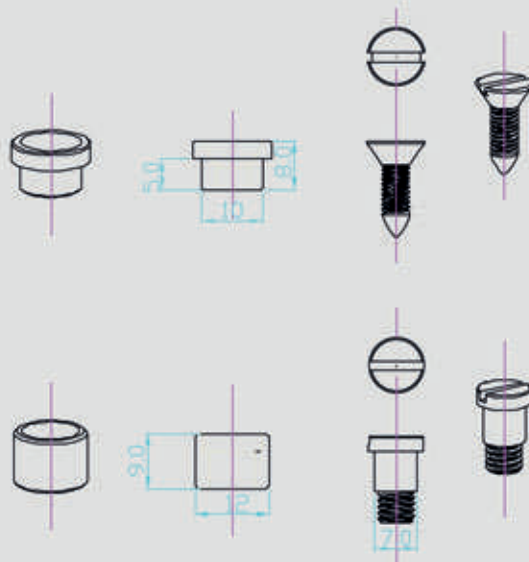
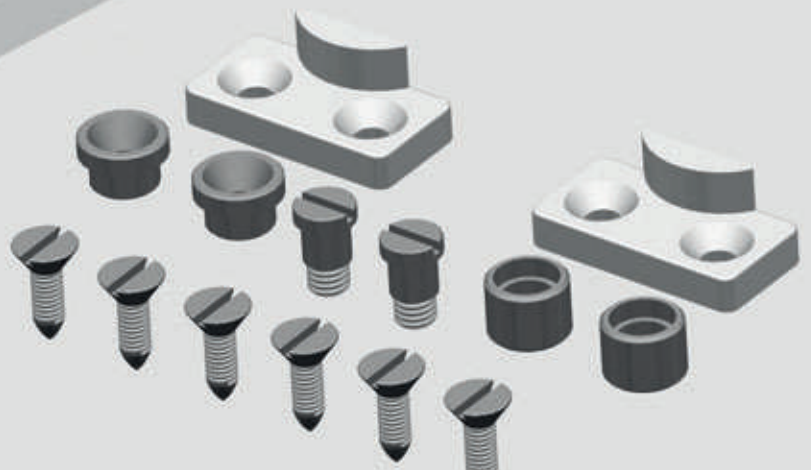
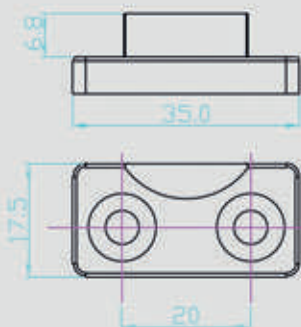
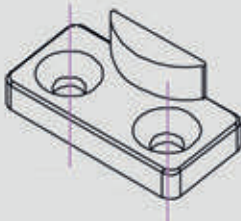
Fastening element to be applied directly onto the rods in the range.
It permits adjusting the force of the pull by simply turning the eccentric part

Technical features

Simple and quick to apply by simply making a hole diam. 8mm on the rod.
Permits making one or more supplementary fastenings on any frame.
Offers the possibility of adjusting the force of the closing pull

Materials

Zamak base and pawl
Stainless steel screws



Adjustable Fastening Pawl

Functions

Fastening element to be applied directly onto the rods in the range.
It permits adjusting the force of the pull by simply turning the eccentric part

Technical features

Simple and quick to apply by simply making a hole diam. 8mm on the rod.

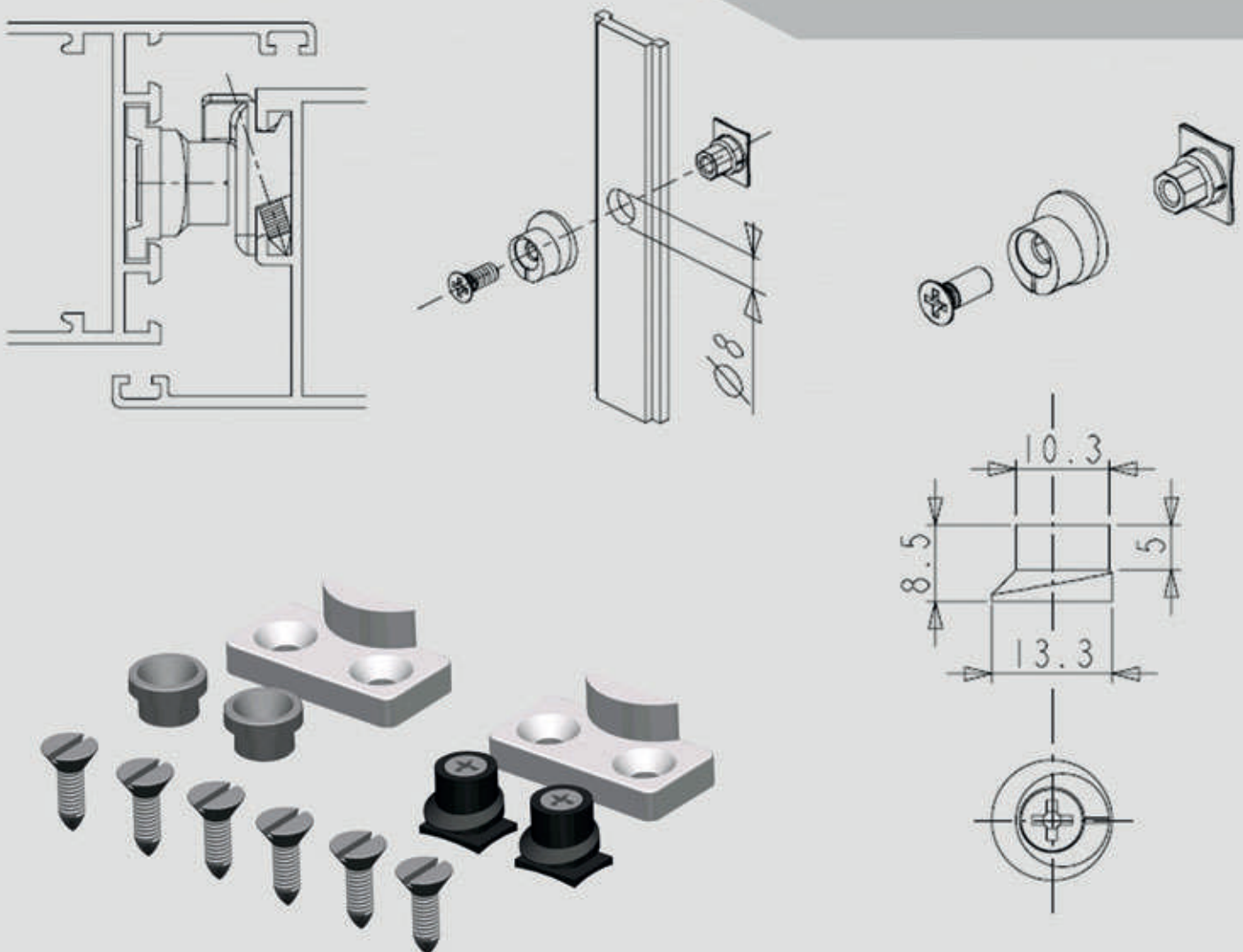
Permits making one or more supplementary fastenings on any frame.

Offers the possibility of adjusting the force of the closing pull

Materials

Zamak base and pawl

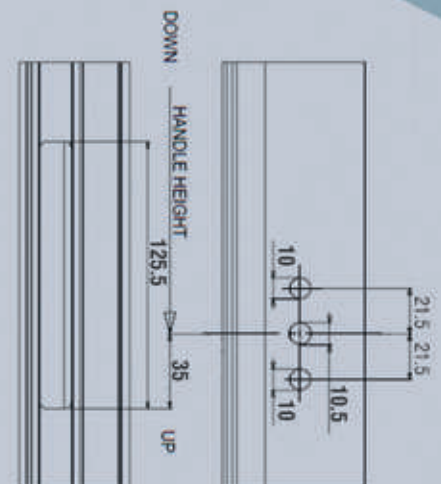
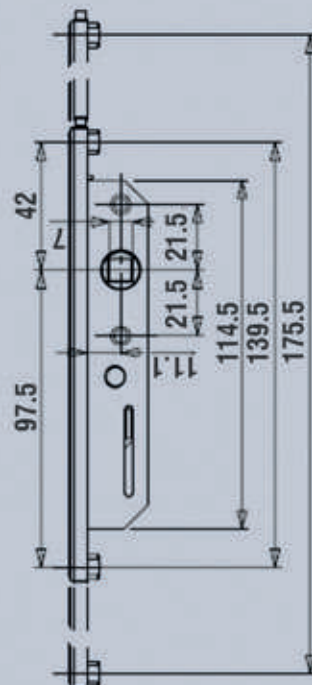
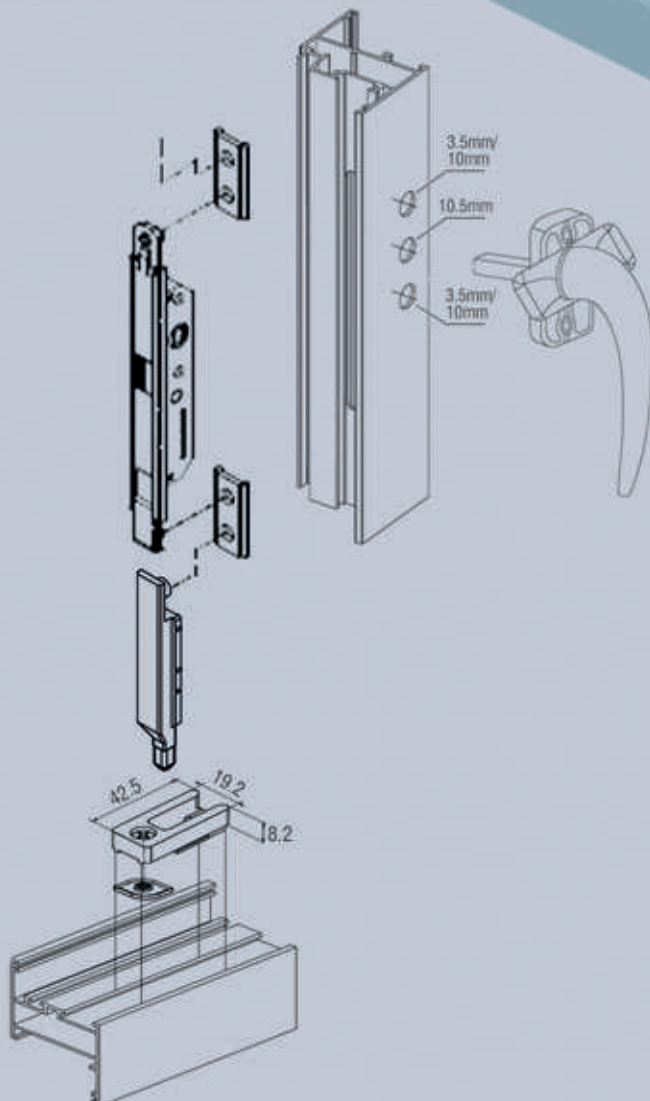
Stainless steel screws



Two direction mechanism

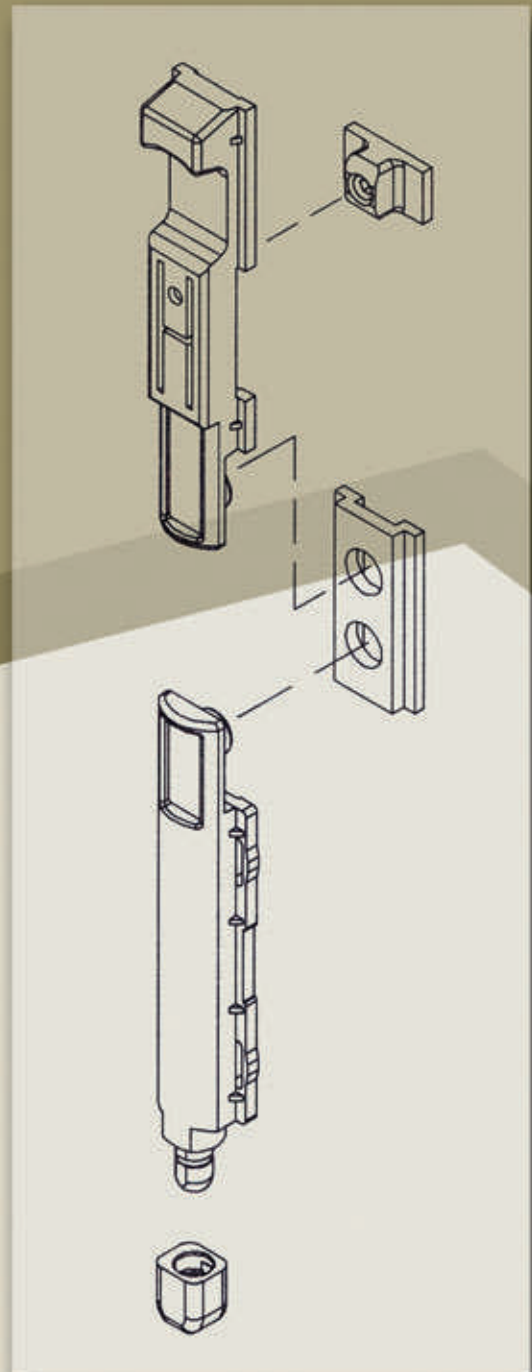
The two direction device for moving rods in wing systems, housed inside the tabular part of the profile, this device can be applied to left or right windows, without special fitting.

Comes with window handle made in die-cast aluminum, the handle present a special spring-loaded mechanism that allows to return the handle in a 90 degree upright position, the center-to-center distance is 43mm. and complete kit for the closing one-winged windows, consisting of two nylon connection for device, two rod end, two check plates, made from nylon.



NYLON BOLT

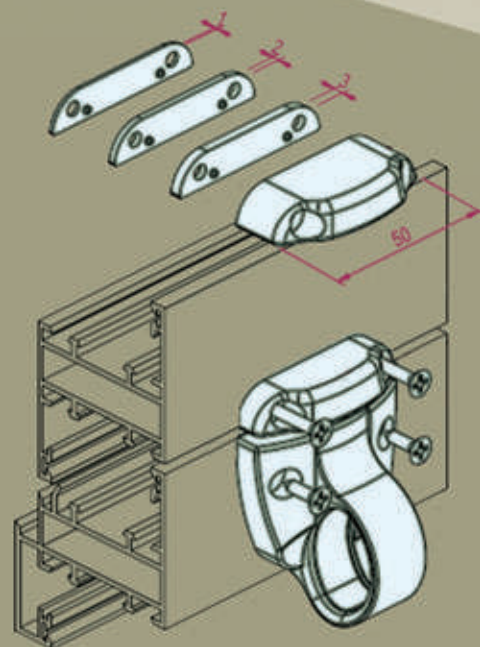
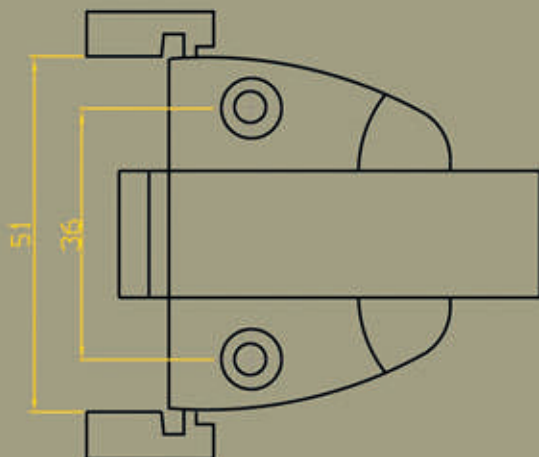
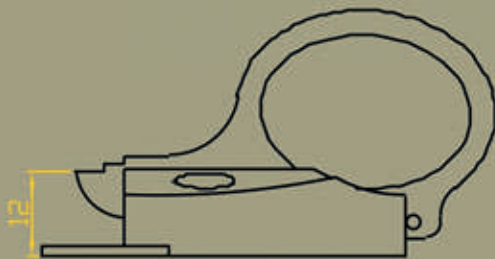
Nylon bolt consisting of a sliding body and a terminal with lock pin for direct fixing to the floor.
Designed for use with aluminium open joint door and window frames.



NYLON (FINGER CATCH)

Nylon catch has soft and rounded shapes and easy ringing nylon grip. Equipped with of an exclusive fixing system that helps the correct placing of the body and the counter plate. Perfect use on complanate and surmount (+7mm) systems with the 2 counter plates. Additional thicknesses of 1,2,3 mm compatible with both counter plates (usable for surmount systems till 13mm). Nylon body. counter plates and thicknesses; tempered steel helical spring; black galvanized steel fixing screws 03,5 TSPC CR.

Nylon ratchet "RING" is universal for the PVC, WOOD, ALUMINIUM AND WOOD-ALUMINIUM profiles. It is also adaptable for the surmount systems (15-28mm).



QUICK FINGER CATCH

Applications

Fastener for bottom-hung windows. with clip, quick to install and very secure (needs no machining on the profile).

Finishes

Anodized black

Characteristics

Utilizing cam plates makes for quick and secure fixing, with no machining on the profile.

No striker required on the frame.

Equipped with a shim to be put on the toe to make up for any play

Parts supplied

2 cam plates

2 M5x10 crosshead screws

1 toe shim

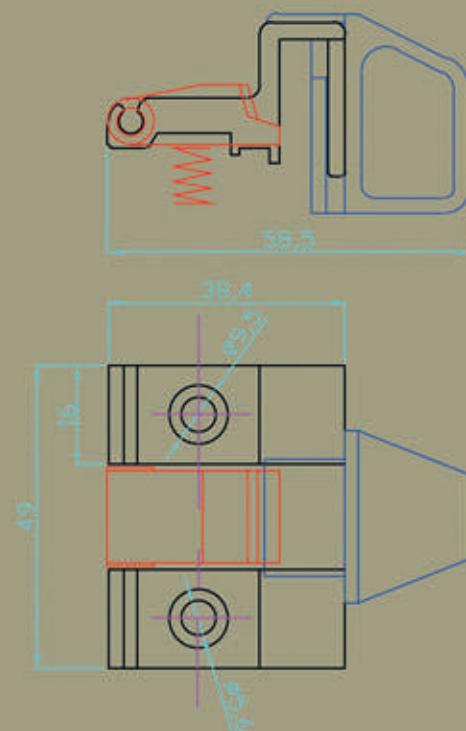
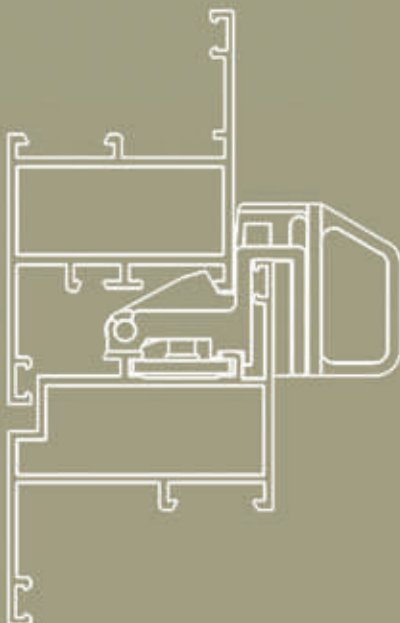
Materials

Black nylon toe, shim and pull

Galvanized steel screws, pin and spring

Galvanized steel cam plates

Extruded aluminium body

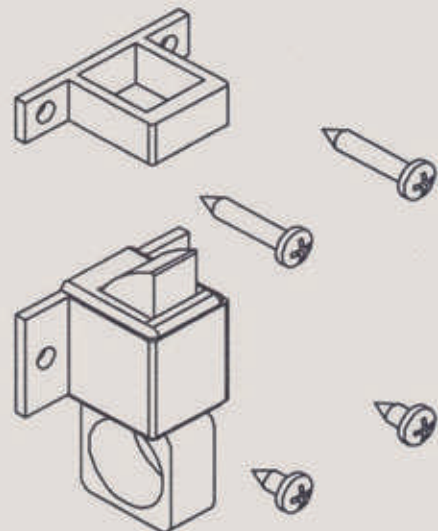
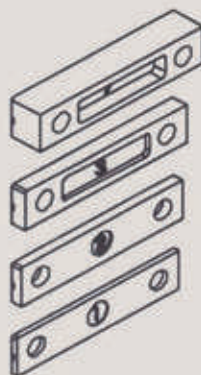
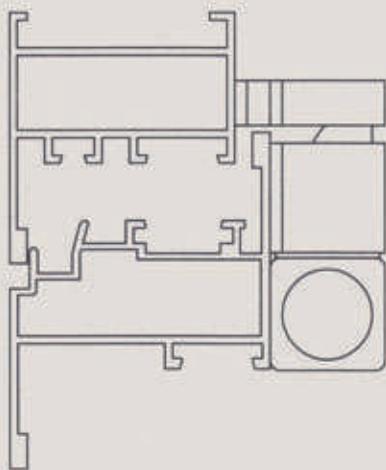


FINGER CATCH

C-AD 123

Fastener for bottom hung windows for external application, made of extruded with nylon internal guide. Quick to mount, it can be installed on any kind of section by using nylon packing.

Finishing : painted in RAL colors



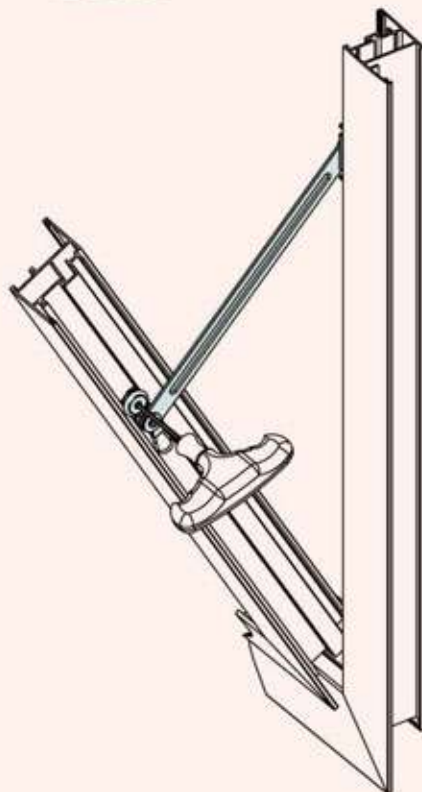
LIMIT ARM

The limiters could be mounted on the already installed windows (no profile machining, no holes). The innovative damping block from zamak covered with nitrilic rubber permits to deaden the hitting in the case of accidental window opening.

The lever from stainless steel permits a fast coupling and uncoupling of the window leaf - making easy an outside glass cleaning .

The arms are from stainless steel, fixing blocks are from zamak.

Load capacity 70 kg, variable in consideration of the dimensions and the opening angle of the window-frame.



ADVANTAGE MANUFACTURING CORPORATION

Advantage Manufacturing Corporation has been a manufacturing of heavy-duty commercial window and door hardware .

We design and manufacturing all our products with precision and detail to assure easy installation and the smoothest functionality you can find today.

By using the most advanced manufacturing and design processes, as well as a highly trained staff, Advantage has been able to proudly stand behind our products since the beginning.

While Advantage is well known for our Adler friction hinges, a full-line of heavy duty, four-bar hinges designed to provide the high load-bearing capacity needed for aluminum casement and projection windows, we also offer a multitude of products.

Profile specific butt hinges for commercial and residential applications, friction adjusters, limit devices and white bronze hardware are also our specialty.

Fidicinstrabe 3 10965 Berlin Germany
Website: www.adler-glaserei.com
E-mail: info@adler-glaserei.com

FRECTION HINGES **ATTRACTIVE**

Stainless Steel, Heavy-Duty, Four to six - Bar Hinges for Projection Windows

FEATURES:

- Fits existing window tooling for center mount installation - No tooling changes required
- Specifically developed track & cap lubrication
- Reinforced collector cap tested to 1970 PSF design pressures without permanent deflection
- "Gap-Tight" technology assures +/- .25mm weatherseal gap (patent pending)



Item	Stack height	bar thickness	bar number	max.vent height/mm	max.vent width/mm	max.vent weight/kg	opening angle °
ADLA 200- 16*T	18mm	3mm	4	1200	1200	75	30
ADLA 200- 18*ST	18mm	3mm	6	1400	1500	100	30
ADLA 200- 22*ST	18mm	3mm	6	1500	1500	112	25
ADLA 200- 24*ST	18mm	3mm	6	1600	1500	120	20
ADLA 200- 28*ST	18mm	3mm	6	2000	1500	150	20

ADVANTAGE MANUFACTURING CORPORATION

FROM THE MANUFACTURERS OF ADLER FRICTION HINGES
INTRODUCING GAP TIGHT TECHNOLOGY

The Adler Hinge with Gap Tight improves the quality and consistency of your window.
Here's how:

- Improves window performance by maintaining the designed weatherseal gap which delivers proper weatheseal compression
- Eliminates the time required to adjust a vent IN/OUT during assembly which yields increased productivity
- Improves window consistency and quality by automatically positioning vent plane in correct position
- Reduces axial rotation of vent by over 65%
- Hinge will not shift under high performance testing therefore increasing window performance
- Works with flush and overlap window designs
- Works with any shim combination
- Easy, conventional installation
- No additional part numbers
- No additional cost
- Patent Applied

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E-mail: info@adler-glaserei.com

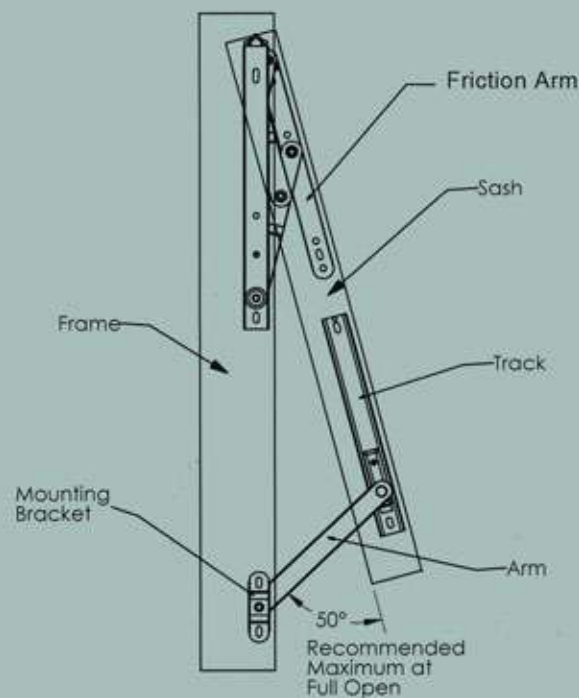
Stay arm

Restrictor are available in any combination of standard Track lengths(8",10",12")

Size: (8",10",12")

Finishing

Stainless Steel : Track, Arm, Bracket, Rivets, Screws. Brass shoe. Delrin Friction Pad.

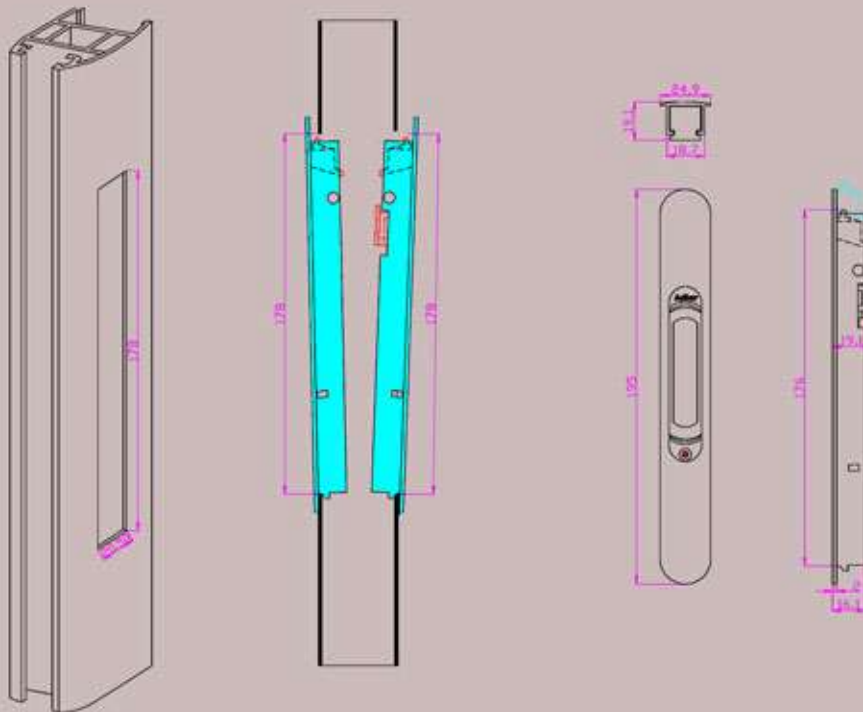


Sliding Thermal Break Fitting



Sliding handle

Sliding Door Handle, two handle flush with the possibility of manual for door or automatic use (for Windows). The side closing of sliding doors and windows, the sliding handle permits the crossing and over lapping of the two (2) wings. The sliding handle is secured to the profile quickly and precisely first inserting the bottom part of the handle in the slot and then pressing hard on the top part.



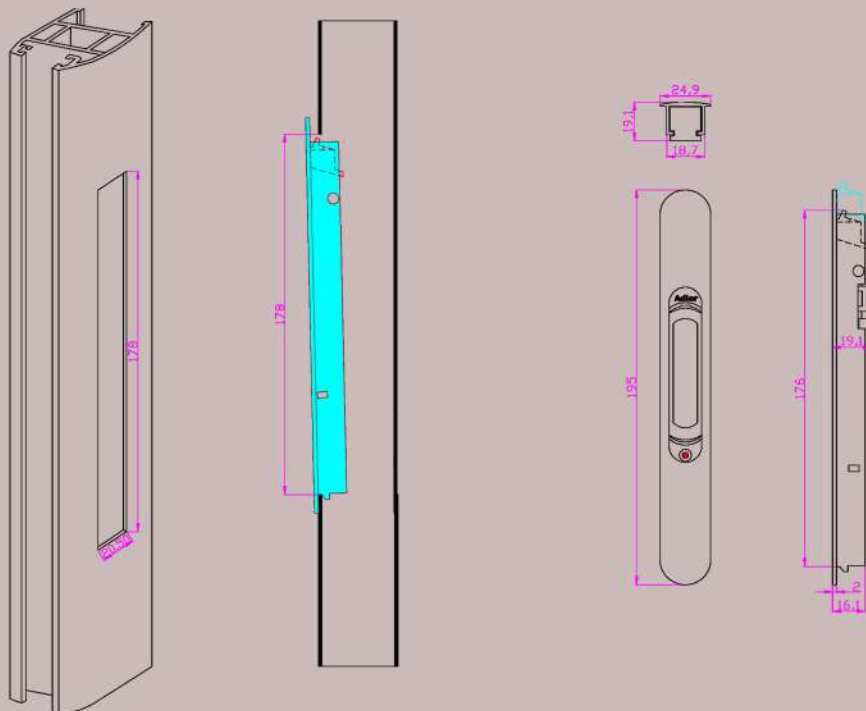
Sliding handle

-Tow-handle flush mounted handle with automatic connector for side closing and simultaneous crossing over of the wings of a sliding aluminium window. Comes with the kit compares a hook that offers maximum reliability and resistance over time, and a counter plate that guarantees a secure lock.

Technical features:

-The sliding handle is set up for automatic functioning therefore only use this article on sliding aluminium window, The hook is adjusted manually when the handle is fitted, the hood is secured definitively by adjusting a grub screw at the front keeping the nylon recess lowered.

Finish: painting in RAL colors

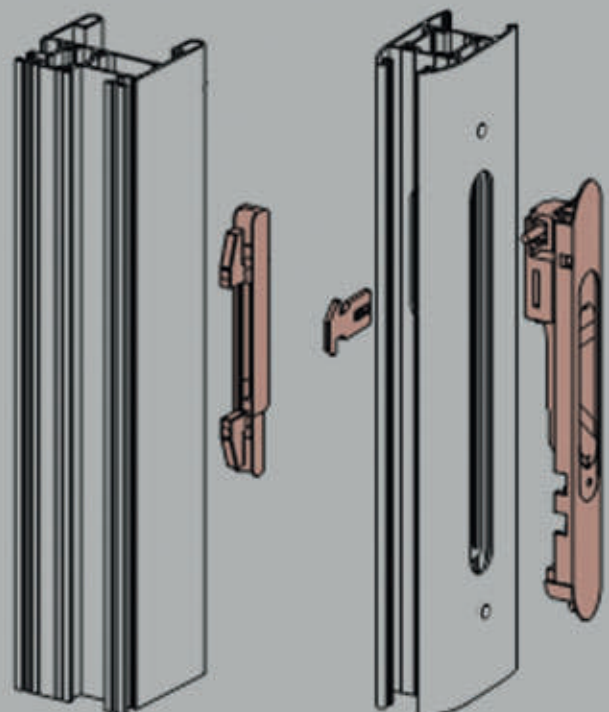


Sliding Handle Thumb Lock

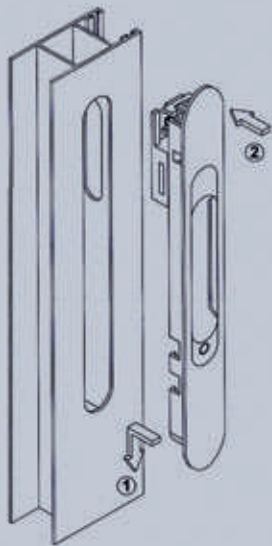
Sliding handle thumb lock two-handed flush-mounted handle with automatic connector for sid closing and simultaneous crossing-over of the wings of a sliding alu-minium window and doors.



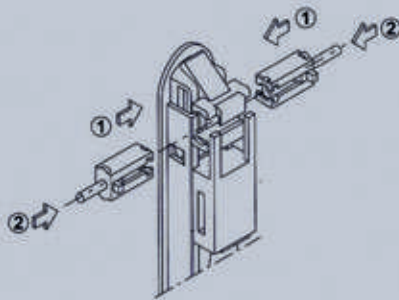
- The sliding handle is set up for automatic functioning.
Therefore, only use this article on sliding aluminium windows and doors.
- The sliding handle is secured quickly and safely.



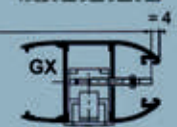
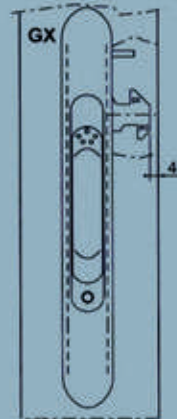
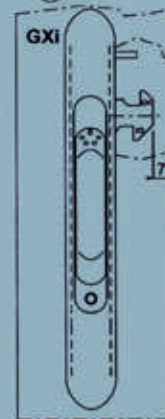
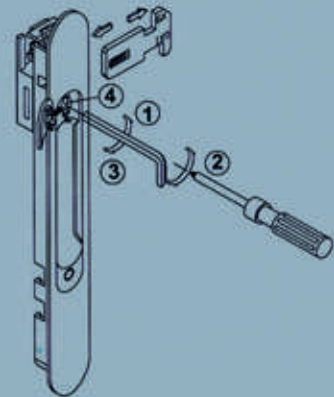
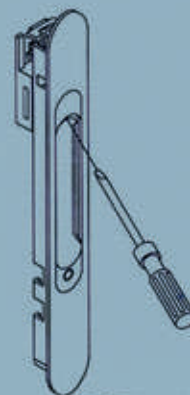
Sliding Handle Thumb lock



- 1- FIX THE BOTTOM EDGE INTO THE GROOVE
- 2- PUSH IN THE TOP EDGE FOR THE FIXING HANDLE

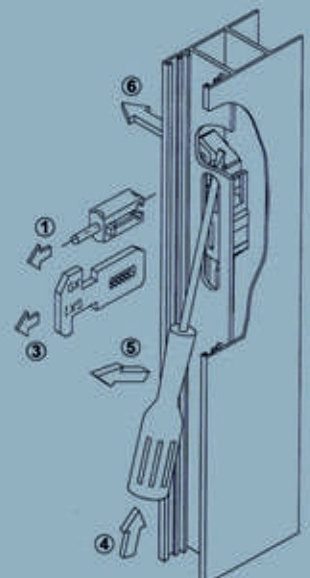
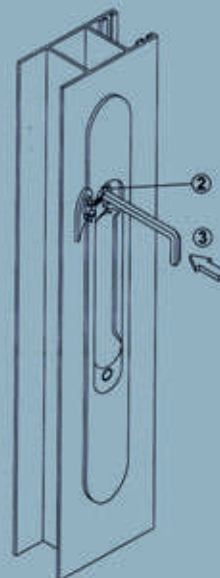


THE SAFETY LOCKING INSERT CAN BE FIX IN BOTH DIRECTION AND THAT IS ACCORDANCE TO THE WINDOW DIRECTION.



FOR REMOVING THE SLIDING HANDLE:

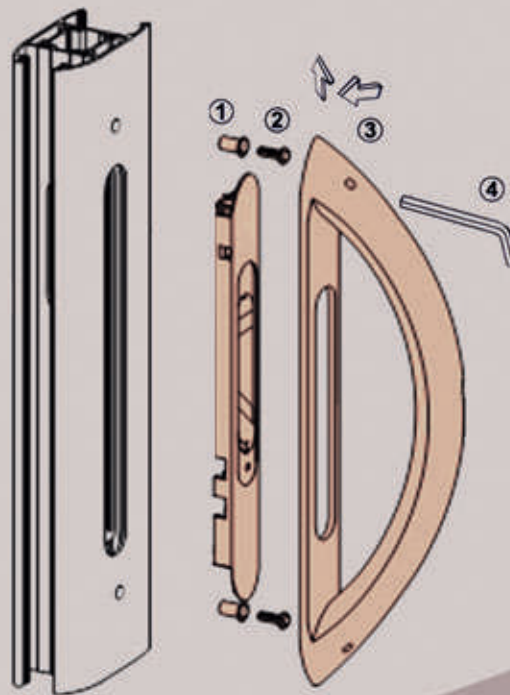
1. REMOVE THE SAFETY LOCKING INSERT BY HAND.
2. REMOVE THE SCREW PLASTIC COVER.
3. REMOVE THE STRICKER AFTER LOOSING THE SCREW BY-KEY.
4. INSERT SCREW DRIVER THOUGH THE STRICKER SLOT (SEE DRAWING 4).
5. PULL THE SCREW DRIVER TO YOUR DIRECTION FOR PUSHING DOWN THE ZINC PART.
6. TAKE OUT THE SLIDING HANDLE.



Half Moon Sliding Pull Handle

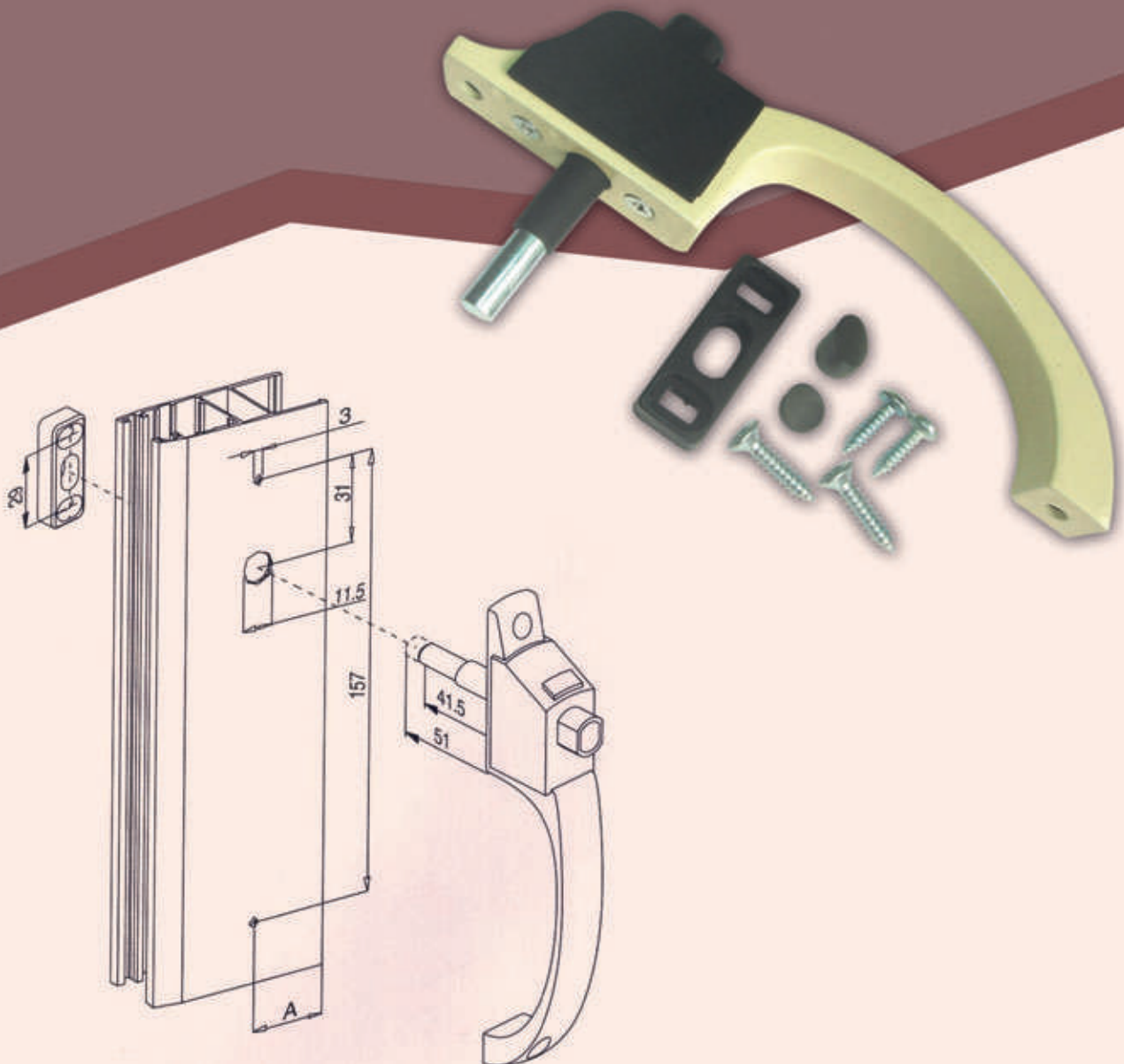
Additional pull handle, combined with window or door sliding lock handle, allows the final user to move and handle a sliding window and door wing easily without any effort.

Materials:
Die-cast zamak body
Finish:
Painting in RAL colours



Central sliding handle

Closing central handle for sliding windows & doors, equipped with safety button, the handle features a lock mechanism which operates the locking system for enhanced security, the handle is made from die-cast aluminum, while the body, containing the mechanism, is fiberglass reinforced-reinforced nylon.



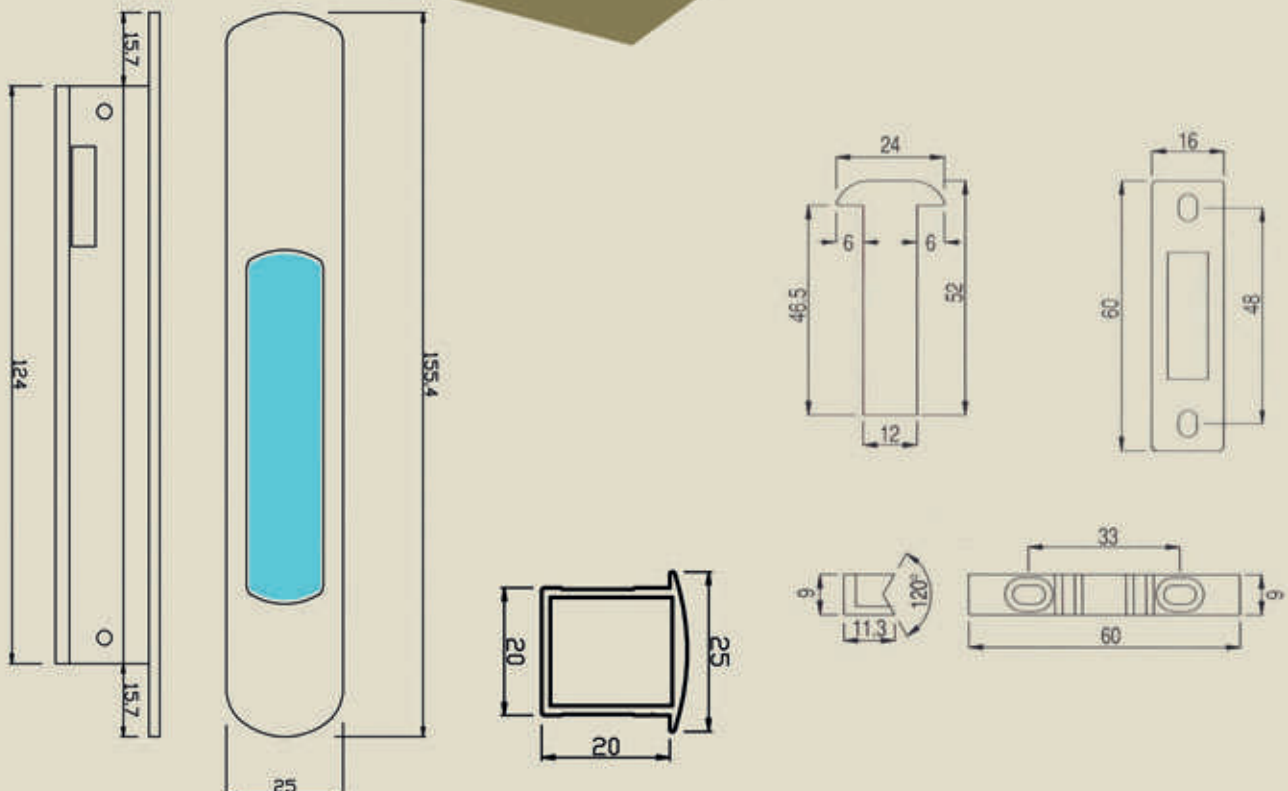
Flush-mounted handle

Flush-mounted handle for side lock on sliding window, this handle has a different control lever from adler model, it is now in round shape, the body made from aluminum, control lever from nylon while the mechanisms are made from zamak .

from zamak .

Supplied parts

- 1-2 self-tapping hex, head screws
- 2-1 stainless steel hook
- 3- 1stainless steel check plate
- 4- Zamak check plate



External Aluminium Sliding Pull Handle

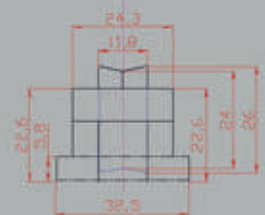
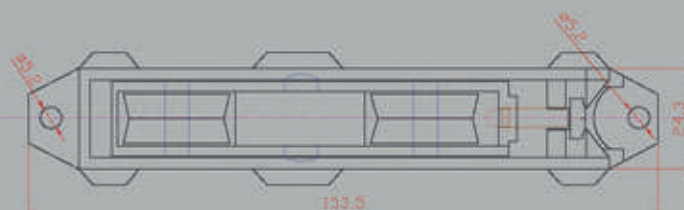
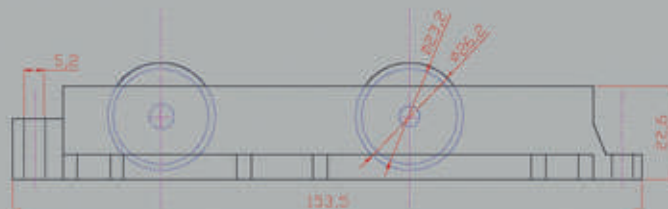
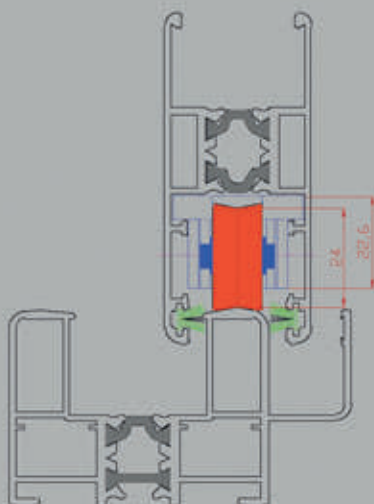
External pull handle permits easy moving and handling of a sliding door from the outside. Assembly is fast and precise, Drill two perfectly aligned holes on the wing upright.

Finishing : painted in RAL colors



Sliding thermal break roller

*Adjustable heavy duty roller with adjustment by screw, adjustment is easy since the adjusting screw is located inside, which facilitates insertion of the wrench even in awkward operating condition the wheels are mounted on ball bearings. It is fixed with a clamping grub screw. Capacity of one roller: 110 kg



C-AD 141

Sliding thirmal break roller

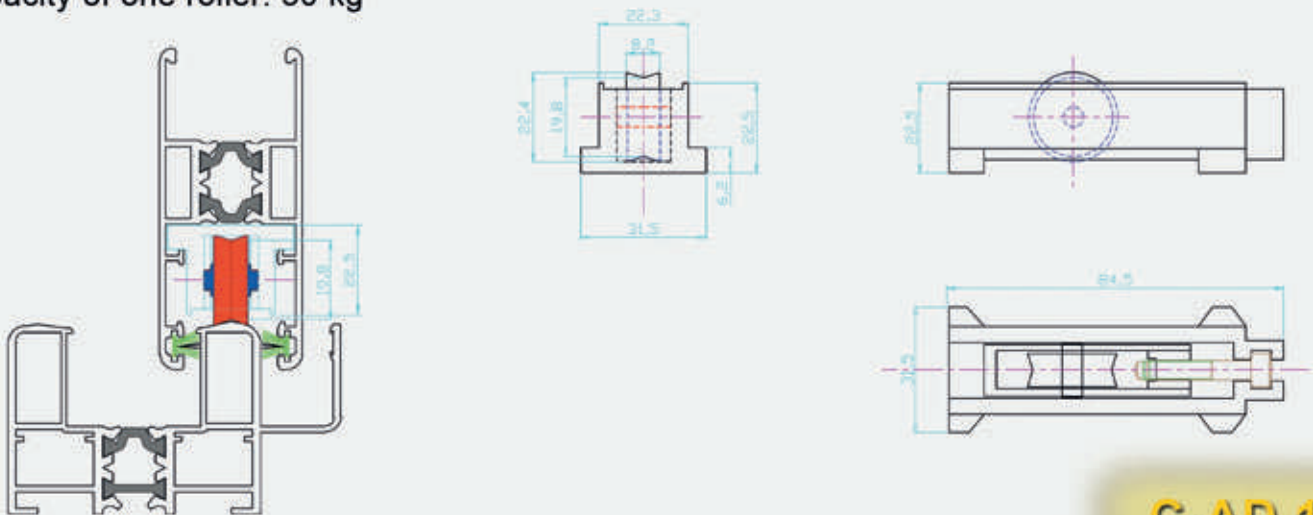
Sliding nylon roller

Available in tow versions :

*Adjustable roller with adjustment by screw ,adjustment is easy since the adjusting screw is located inside, which facilitates insertion of the wrench even in awkward operating condition the wheels are mounted on ball bearings.

It is fixed with a clamping grub screw

Capacity of one roller: 50 kg



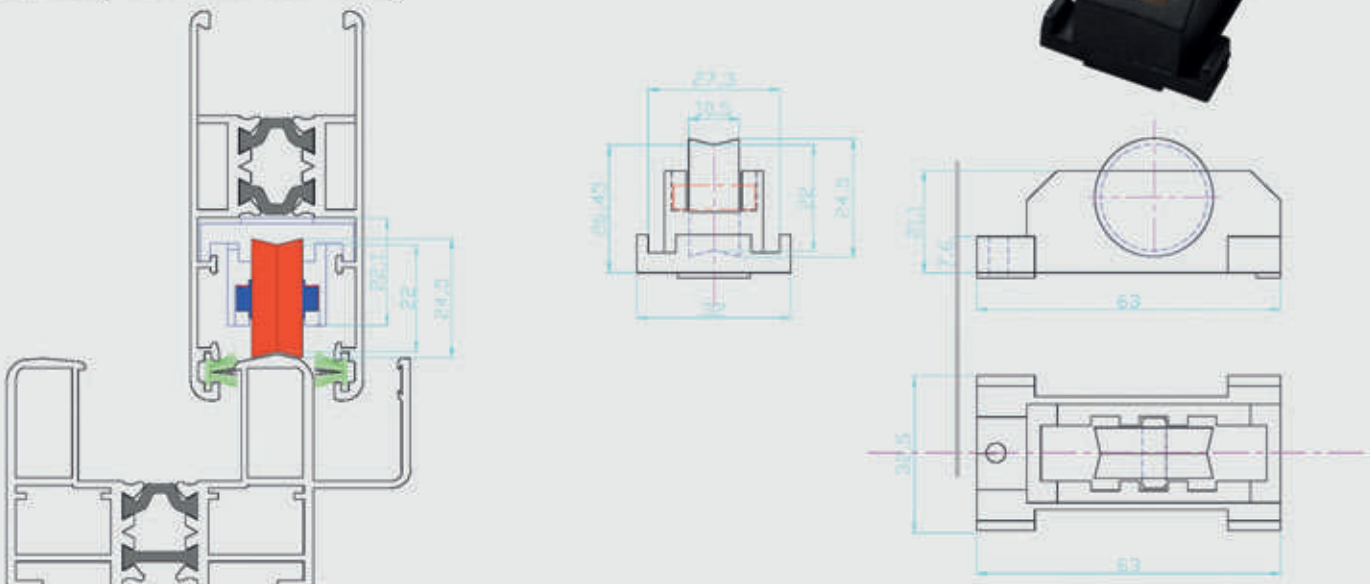
C-AD 142

*Fixed roller with the possibility of adjustment by inserting the wheel into one of its 3 possible positions .

the wheels are mounted on ball bearings.

It is fixed with a clamping grub screw

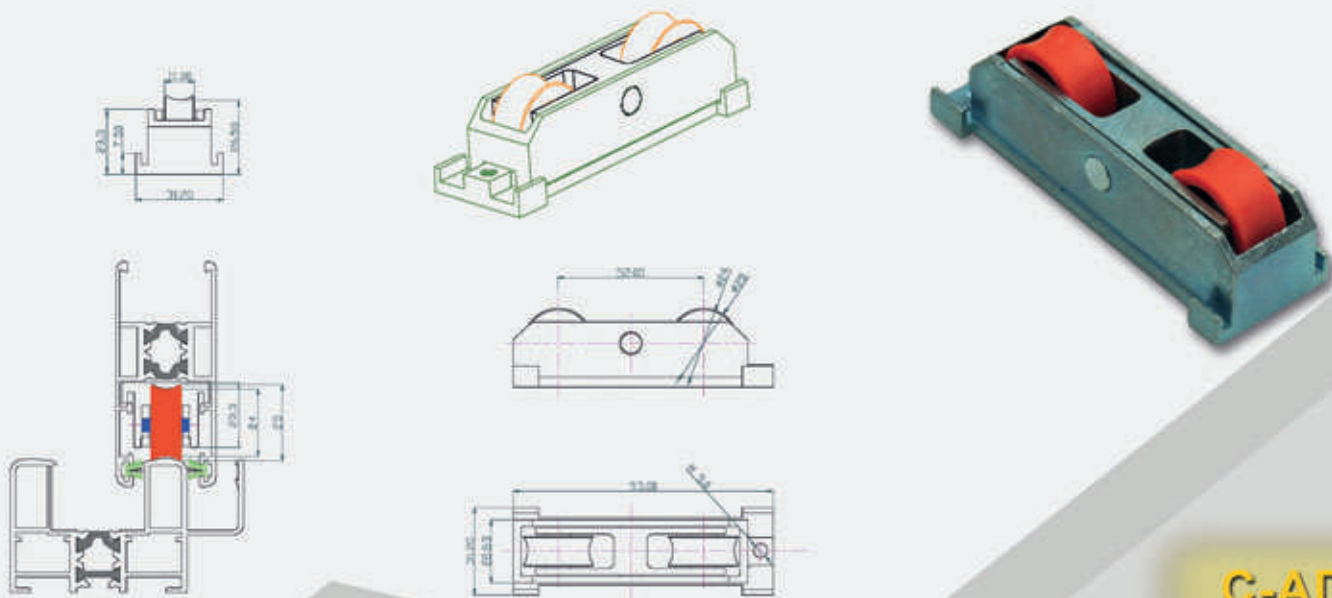
Capacity of one roller: 50 kg



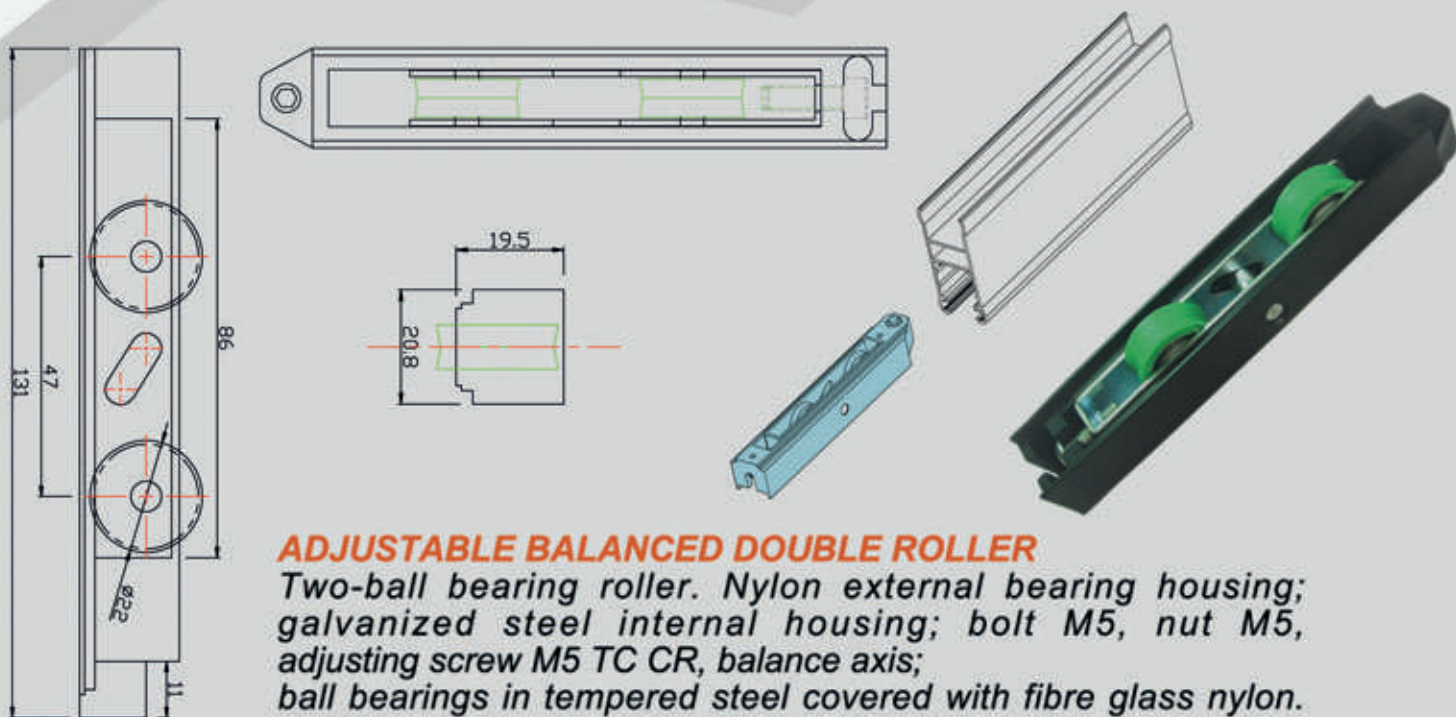
Sliding thirmal break roller Balance Double Wheel

C-AD 143

Two - wheel fixed roller with shielded ball bearings,
made from cast zamak for more strong body
to carry more weight
Capacity of one 2 roller: 150 kg



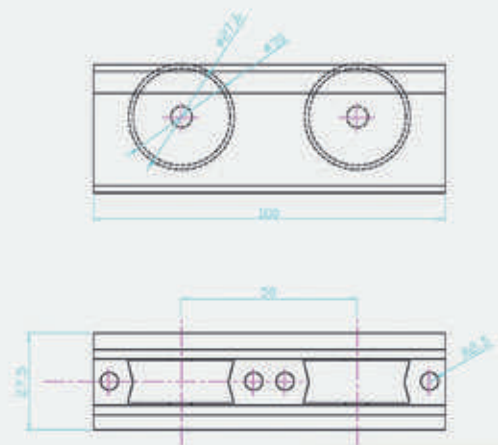
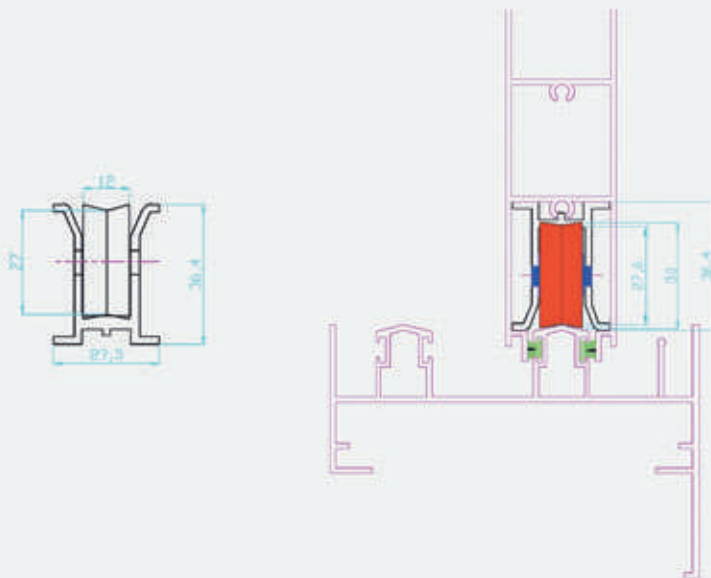
C-AD 144



Aluminium Sliding Window and Door box roller

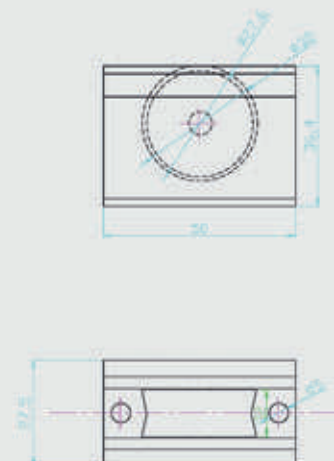
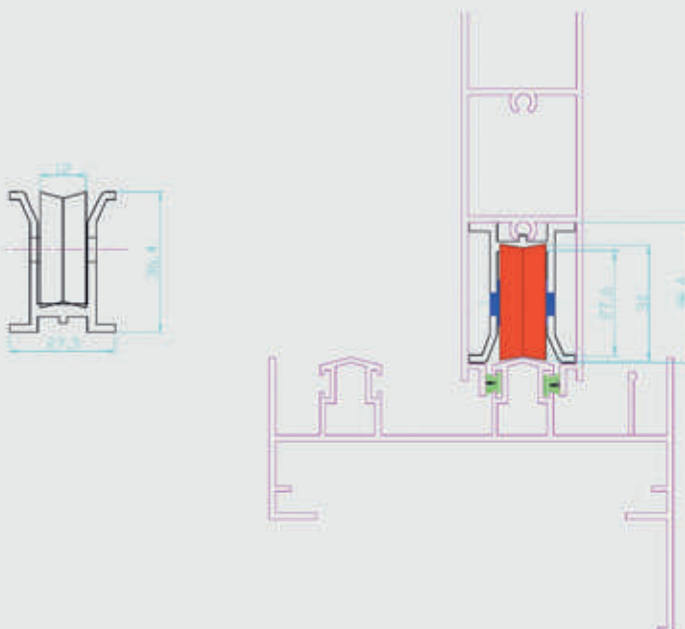
C-AD 145

Aluminum sliding window and door rollers.
Extruded aluminum with two wheels for sliding window and sliding door,
and the wheel is mounted on a ball bearing,
Capacity of one roller 100 kg.



Aluminum sliding window and door rollers.
Extruded aluminum with one wheel for sliding window and sliding door,
and the wheel is mounted on a ball bearing,
Capacity of one roller 50 kg.

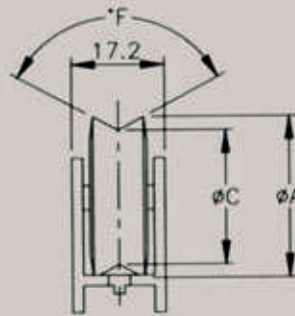
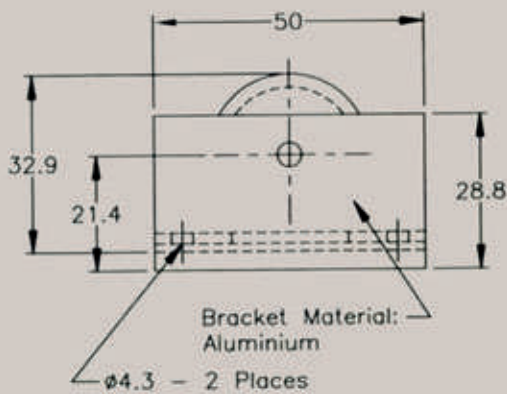
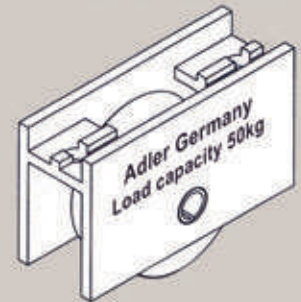
C-AD 146



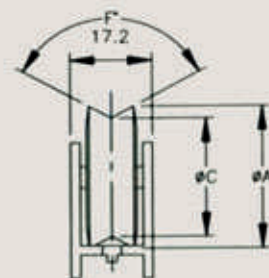
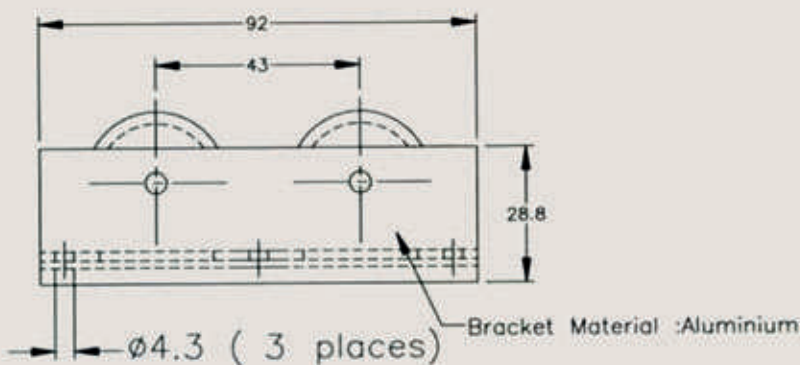
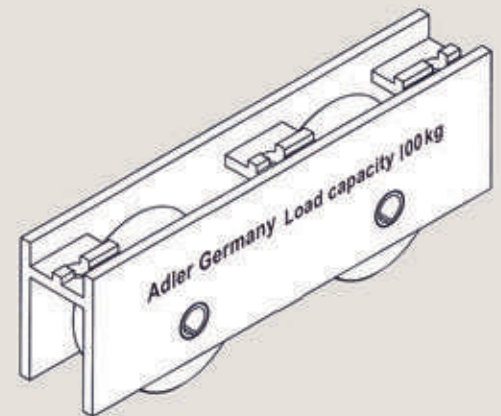
C-AD 147

Aluminium Sliding Window and Door box roller

Carriage extruded aluminium with one or two wheels for aluminium windows and doors sliding.



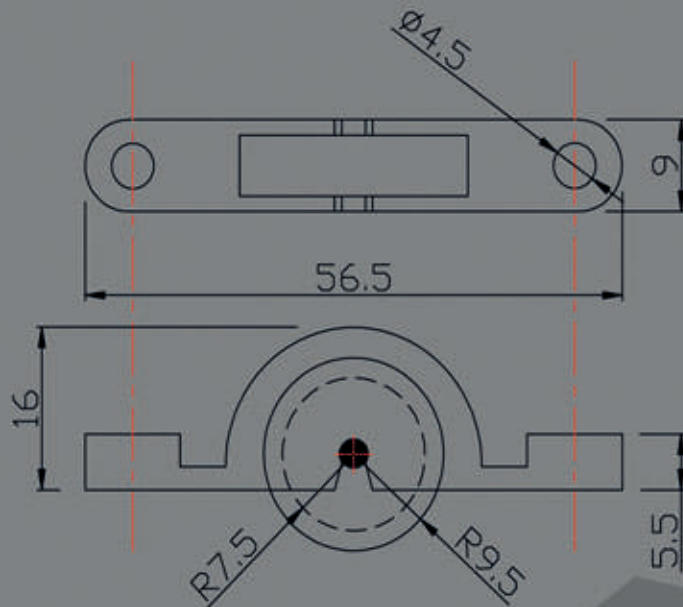
C-AD 147 D



Nylon fly screen roller

C-AD 148

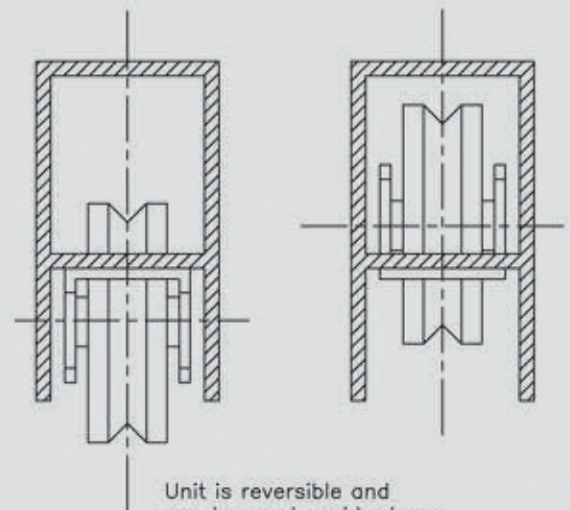
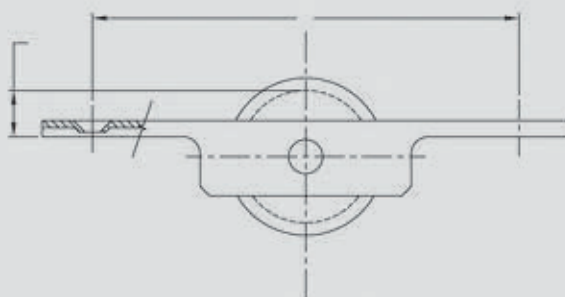
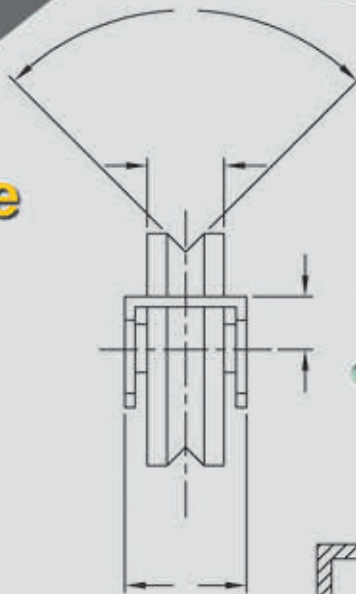
Nylon housing with U shape
Nylon weel



Non - Adjustable Roller

Steel housing with V shape
Nylon weels

C-AD 149

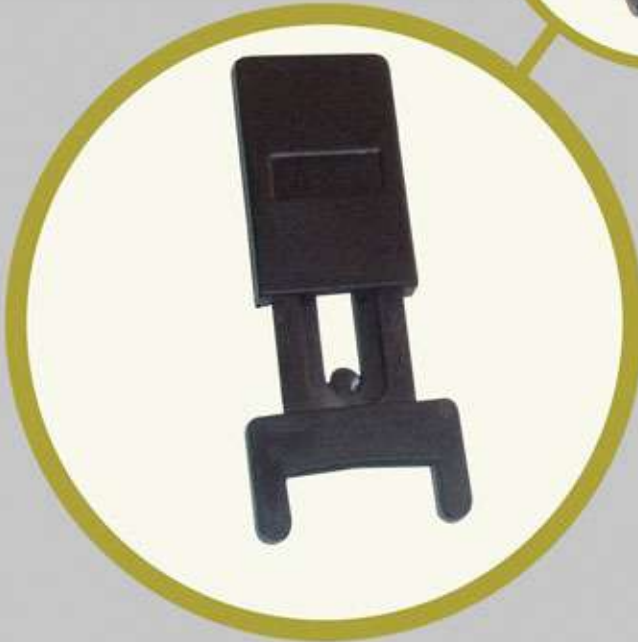


Unit is reversible and
can be used upside down.

Sliding Accessories

Sliding Covering Plug

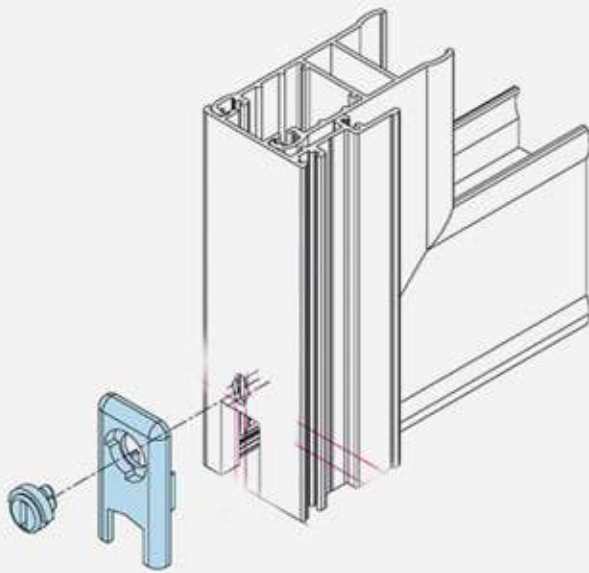
Plug to cover screws\holes on central jambs of doors\window and enable instrtion in a sliding rail.



C-AD 150

Sliding Covering Plug

Plug to be fitted on the central profile to cover every kind of working. Nylon pin and closing pawl.

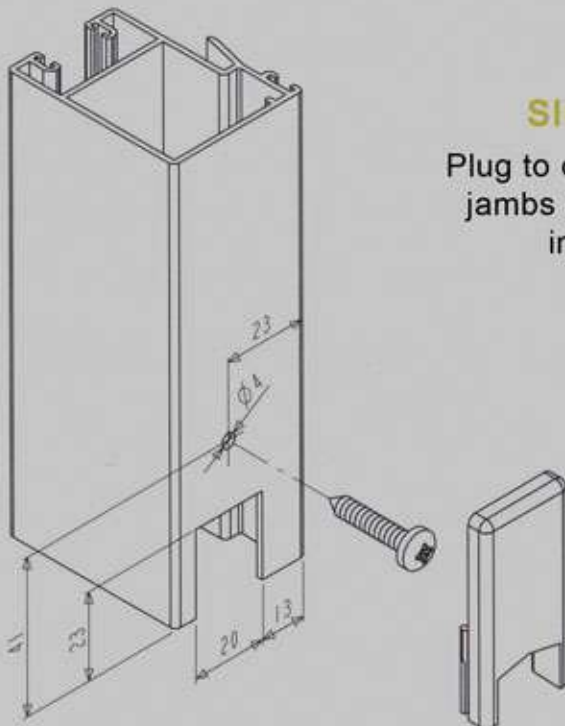


C-AD 151



Sliding Covering Plug

Plug to cover screws\holes on central jambs of doors\window and enable instrtion in a sliding rail.



C-AD 152



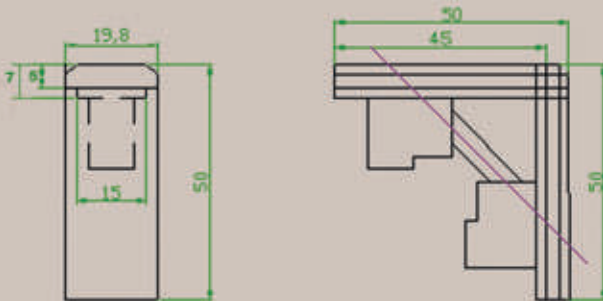
Sliding Covering Plug

Plug to cover screws\holes on central jambs of doors\window and enable instrtion in a sliding rail.

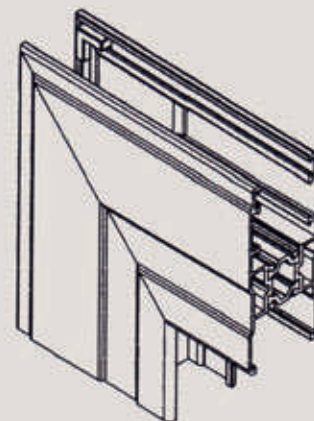
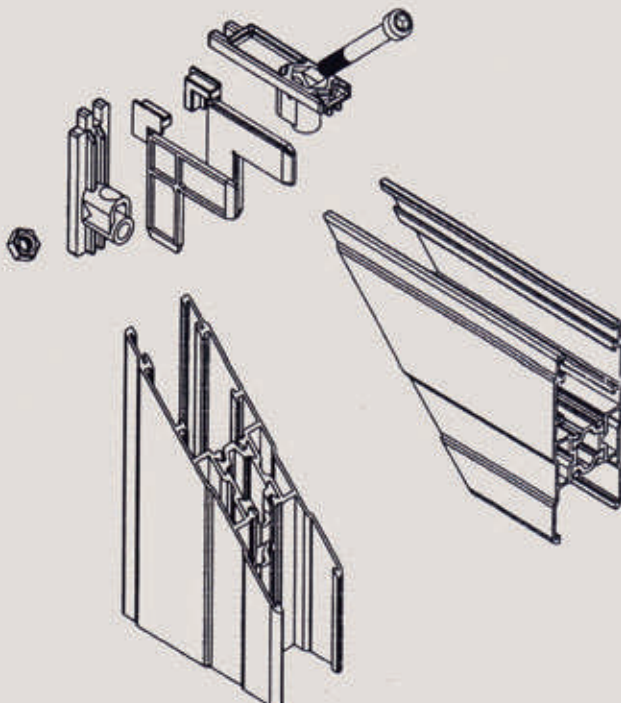
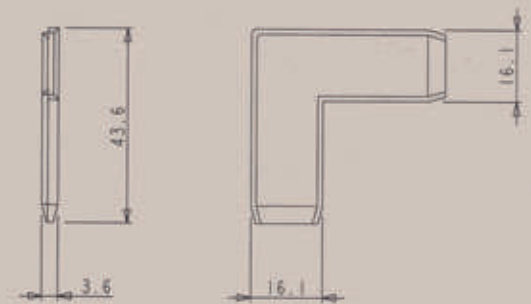
NYLON CORNER JOINT

Using in combination when assembling the window and door.
required to align the profile joints in the window or door when it is assembled.

C-AD 153



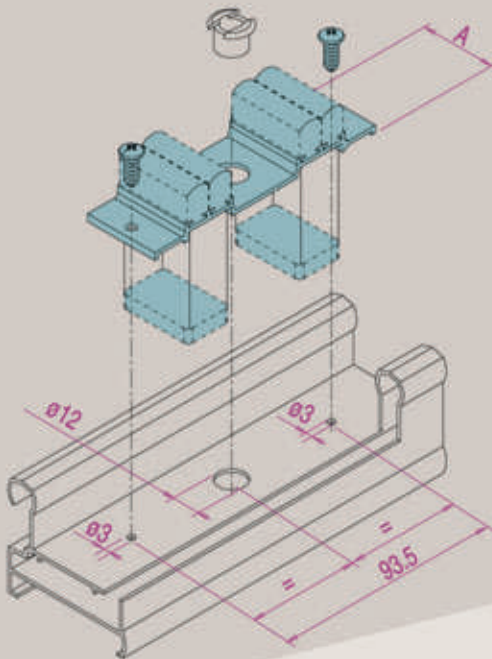
C-AD 154



C-AD 155

Sliding Central Seal Pin With Brush

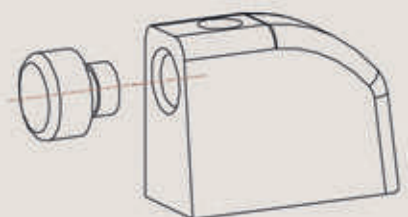
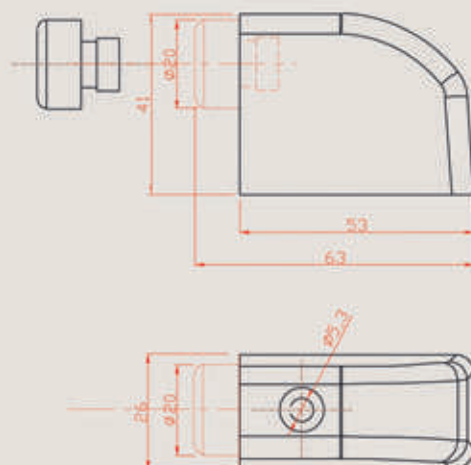
To be fitted on the upper and lower crossbars of the frame with anridust function. Extruded aluminium pain: self - adhesive sponges: stainless steel self threading screws.



C-AD 156

Sliding door stopper

made of synthetic material for sliding door.



NYLON FLY SCREEN HANDLE

Nylon fly screen handle for lateral installation on aluminium sliding windows and doors

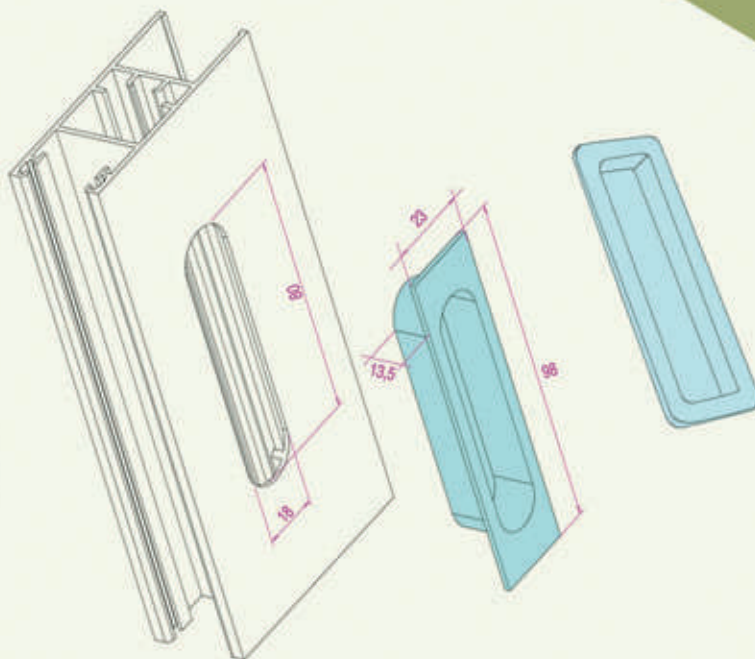
C-AD 157



C-AD 158

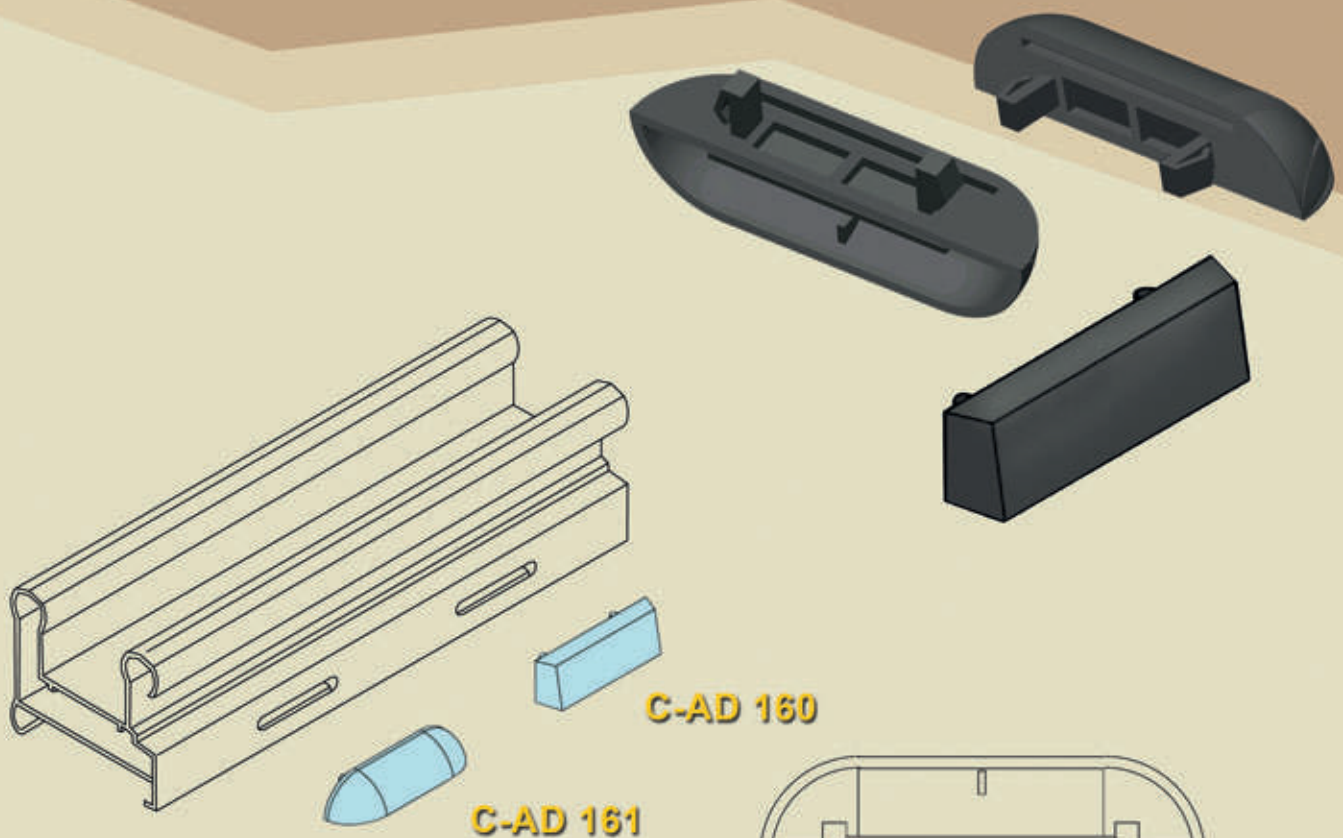


C-AD 159



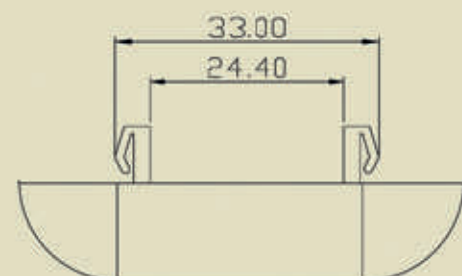
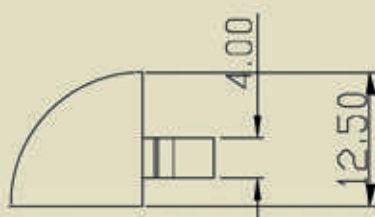
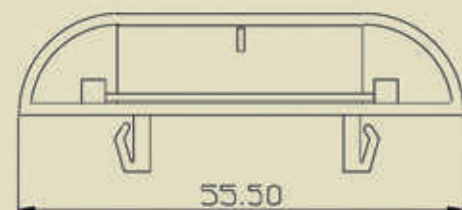
SLIDING DRAINAGE COVER

Nylon element to cover the drainage slot with valve (snap fitting)
with allow water to drain out the value door will stop sand to go inside profile



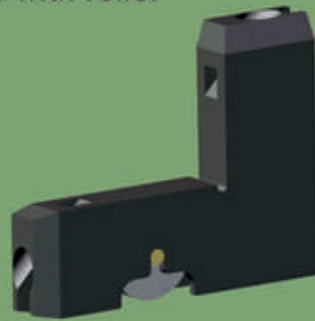
C-AD 160

C-AD 161



Nylon fly screen corner joint

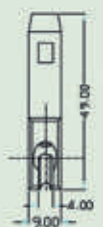
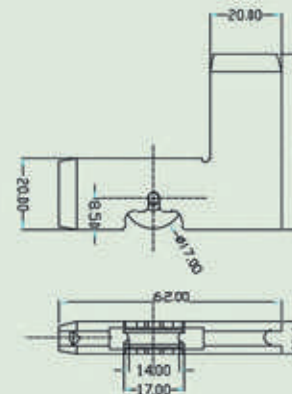
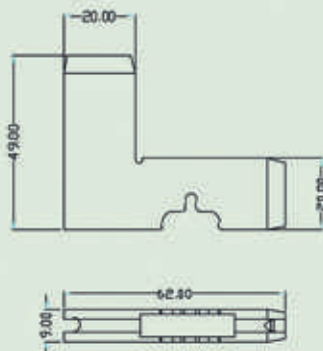
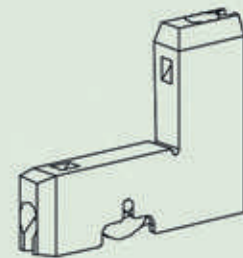
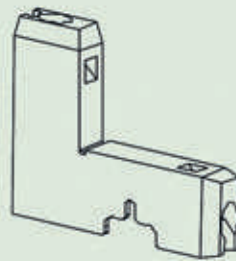
Using in combination when assembling the aluminum fly screen window and door frame required to align the profile point in the window order when it is assembled it comes with roller and without roller.



C-AD 162



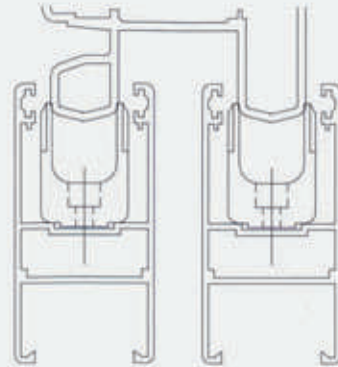
C-AD 163



C-AD 164

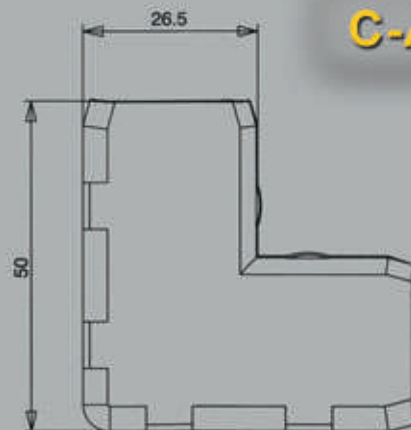
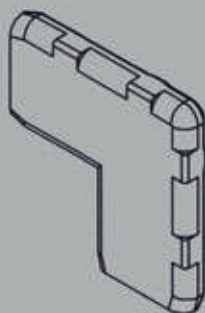
Sliding Accessories

Nylon guide block for sashes.



ALIGNMENT CORNER JOINT

Pressure fitting corner joint which aligns the profile fins.

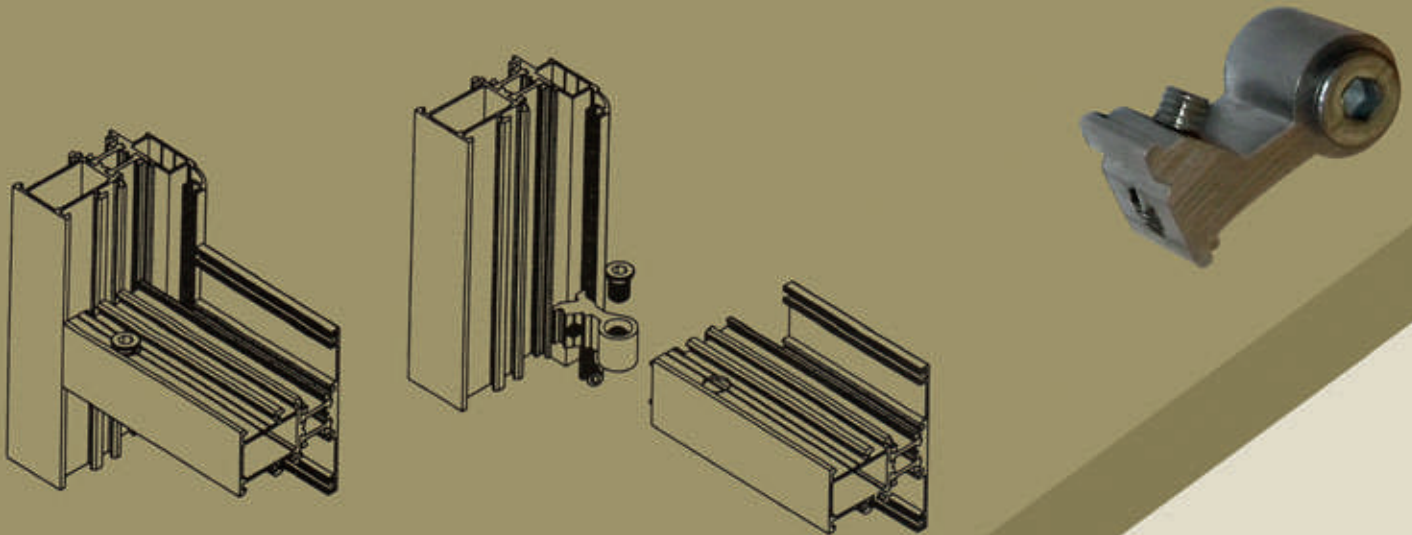


C-AD 165

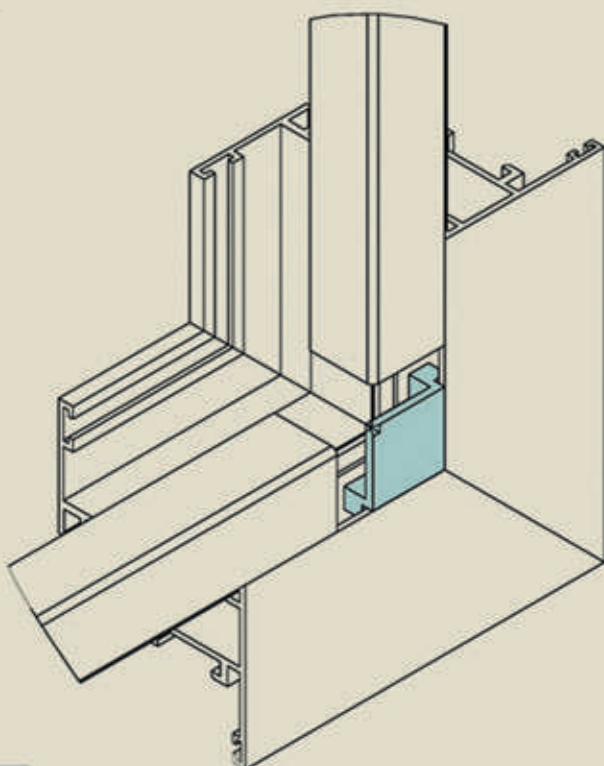
C-AD 166

T - CONNECTOR

T connector support for joining extruded aluminium profile sections.
Quick to install and very secure.



C-AD 167



Angel For Rounded Glazing Bead

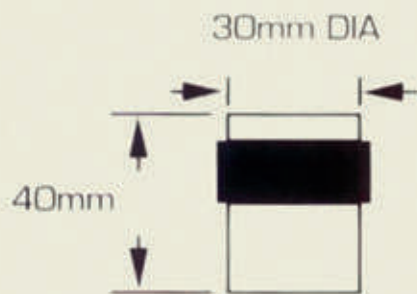
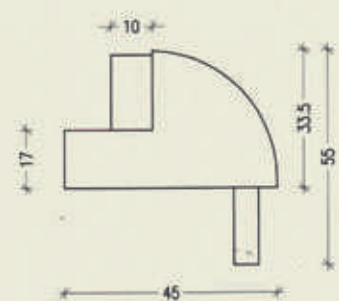
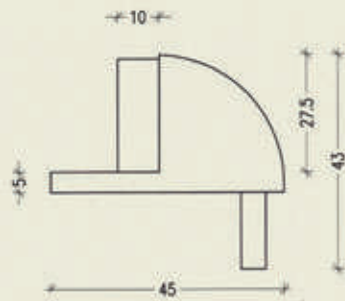
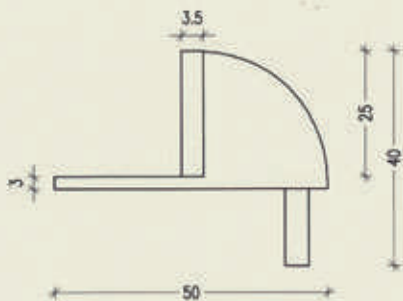
Accessory which can be fitted on the corner of a shutter to link the spring rounded glazing bead. In die-cast aluminium

DOOR STOPPER

*(Half dome) design to minimize stumbling hazards .

* Available in zinc, brass and stainless steel with thick cushioning rubber bumper.

C-AD 168

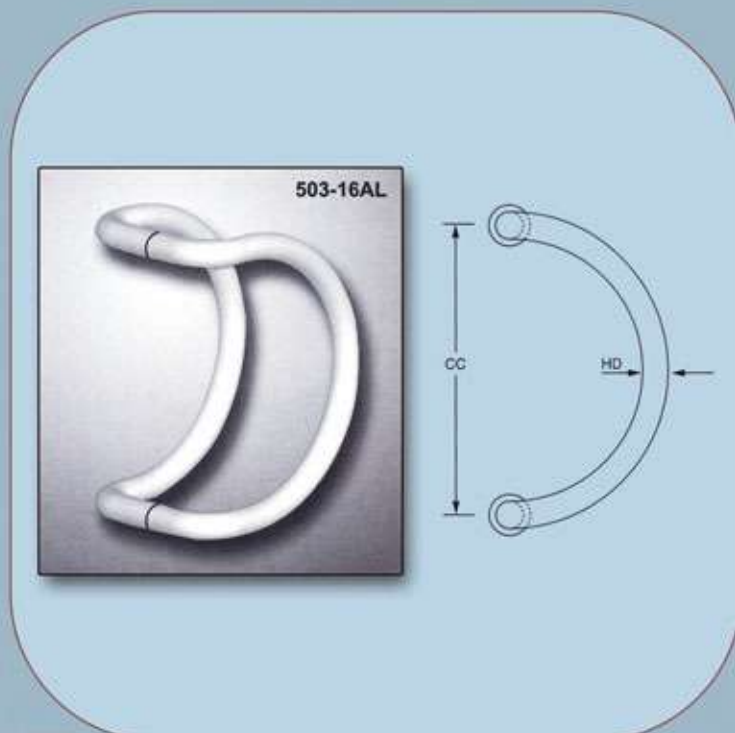


C-AD 169

ALUMINIUM SWING DOOR HANDLE

Double bend Aluminium swing door handle to be applied in Aluminium doors, It provide an ideal grip for heavy doors destined especially for public and commercial use.

Center To Center (CC) - 300mm
 Handle Diameter (HD) - 32mm
 Standard Finishes:
 Powder Coated White
 Powder Coated Black
 Mill Finish
 Painted Colors



Center To Center (CC) - 300mm
 Handle Diameter (HD) - 32mm
 Standard Finishes:
 Powder Coated White
 Powder Coated Black
 Mill Finish
 Painted Colors

Production tape

APPLICATIONS

Temporary protection of surfaces, during medium and severe mechanical transformations of the following materials: Brushed aluminium, ground or deep drawing stainless steel, matt painted coils and PVC profiles/plates.

Not suggested for Copper, brass and copper containing alloys. Not suitable for protection against corrosion, humidity or chemical solvents.

SUITABILITY

suitable for POWDER COATED ALUMINIUM PROFILES ADLER N-2R exhibits the special "EASY-PEEL" characteristics for the rapid removal of the film from high gloss to semi matt surface, such as glossy painted metals.

The removal Forces is inversely proportional to the speed of removal

OUTLINES

Film type
Average Thickness(A.S.T.M)
Colour

UNIT

polyethylene (LDPE) UV Treated
80 MIC
Black / White, Black / Black

