WINDSEAL

HARDWARE | TOOLS | ACCESSORIES



TECHNICAL

CATALOGUE FOR

UPVC WINDOW

AND **DOOR** HARDWARE

About Us

We, WINDSEAL Hardware Industries, is a leading ISO 9001:2015 certified uPVC Hardware provider, with a complete range of uPVC Hardware, Tools, & Accessories, that offers integrated innovative solutions in the area of uPVC Hardware products. We are an excellent track record for the best customer satisfaction in manufacturing. Our range includes Sliding Door, Window Hardware and Casement Door & Window Hardware. Our range is also widely appreciated for its optimum quality and reliability.

Our Factory is located in Bowrampet - Hyderabad and Head Office is at Bachupally, Hyderabad 500 090. We have our Branches at LB Nagar - Hyderabad, Yelahanka - Bengaluru, Naity Road- Kolkata. We have never compromised on the quality and the services provided to the customer. We believe in keeping the customers happy and providing them with products at a very competent price.

With a countrywide presence, the company provides customized solutions in windows and doors to suit the harsh climatic and environmental conditions anywhere in India.

We have sophisticated production facilities and eminent resources of technically trained people in our role. We always ensure that the consignment request is being completely verified by the executive and complete the same on specific time period so that we can dispatch the material smoothly to the end client.

BEST QUALITY
WINDSEAL HARDWARE services are committed to meet the highest quality standards without compromising.

ON TIME
We, always respect the customer's time & schedule and deliver on time with right products as per the requirement.

EXPERIENCE
We rely on the Skills and implementation strength of Employees, so that we can meet our customers' satisfaction.

CERTIFICATE

This is to Certify that the Management System of

SHARP SOLUTIONS TECHNOLOGIES

FLAT NO : 101, PLOT NO : 57 & 58, BHAGAVAN RESIDENCY, ROAD NO : 2,
K R C R COLONY, BACHUPALLY, HYDERABAD -500090,
TELANGANA, INDIA

has been audited and found to comply with the requirements of:

ISO 9001:2015
(Quality Management System)

For the Scope of activities described below:

TRADING OF CCTV, EPABX, COMPUTER ACCESSORIES,
IT SALES AND SERVICES, NETWORKING & AMC.

Certificate No.: IN241207015

Date of initial registration	*Date of this Certificate*	*Surv. audit on or before/ Certificate expiry*	*Recertification Due*
07 December 2024	*07 December 2024*	*06 December 2025*	*06 December 2027*

Validity of this certificate is subject to successful completion of surveillance audit on or before due date, in case surveillance audit not conducted this certificate shall be suspended/cancelled.

Director

For verification and updated information concerning the present certificate visit to www.lmscert.uk/www.lmscert.com
This certificate is property of LMS Assessments Limited and remains valid subject to satisfactory surveillance audits and shall be returned immediately when demanded.

Accreditation

LMS Assessments Limited
International Office: Bartle House, Oxford Court, Manchester, M2 3WQ(United Kingdom) **Phone :** +44-161394 1117
(Company Regd. No. 11029176 Registered in England and Wales)
LMS Assessment Services Private Limited
Corporate Office: TF14, 15 Aarohi arcade, Sector 16, Munshi Puliya, Indira Nagar, Lucknow - 16, India **Phone :** +91 955 464 5464
Visit :- www.lmscert.uk/www.lmscert.com
E-mail :- info@lmscert.uk

WINDSEAL
Be the Best

WARRANTY CERTIFICATE

We Windseal certify that all our products comes with 10 years of warranty from the date of invoicing. This warranty is for any Manufacturing defects like powder coating stable working of goods etc.



WINDSEAL HARDWARE INDUSTRIES
G2, 9, Sy. No. 220, Kasani Prime, Bachupally,
Hyderabad, 500090, Telangana, India

windsealhardware@gmail.com
www. windsealhardware.com

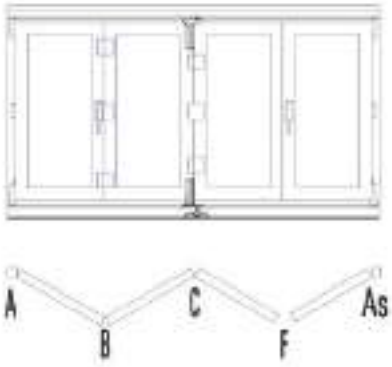
S.No	Item Description	Page No
1	Sliding Folding	1-4
2	Tilt & Turn	5-6
3	Wonder Series	7
4	Vertical Sliding	8
5	Mesh Rollers	9
6	Window Rollers	10-11
7	Door Rollers	12
8	Handles	13-19
9	Sliding ESPAG's	20
10	Casement ESPAG's	21
11	Strikers	22
12	Sliding Door Set	23-24
13	Casement Door Set	25-28
14	Mortise Lock	29
15	Bathroom Door Lock	30
16	Cylinders & Wool Pile	31
17	Hinges	32-34
18	Parallel Hinge	35
19	Friction Stay	36
20	Arm Stay	37
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22	Shoot Bolts	39
23	Aluminum Rail	40
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WINDSEAL
HARDWARE | TOOLS | ACCESSORIES



SYSTEM DETAIL (431)

1	Tilt&Turn espagnolette	12	Cover Set
2	Corner transmission standart	13	Middle Hinge
3	Corner transmission security type	14	Hidden Central Hinge
4	Stay Arm Hinge	15	Double Sash Top Hinge
5	Stay Arm Bearing	16	Double Sash Gear
6	Stay Arm Bearing Pin	17	Universal striker for Double Sash
7	Bottom Hinge (Sash Part)	18	Bogie Set
8	Bottom Hinge (Frame Part)	19	Support Bracket Accessories
9	Striker	20	Folding Hinge (20/40)
10	Security striker	21	Set Sash Retaining Device
11	Extension Part	22	Folding Al Track Set



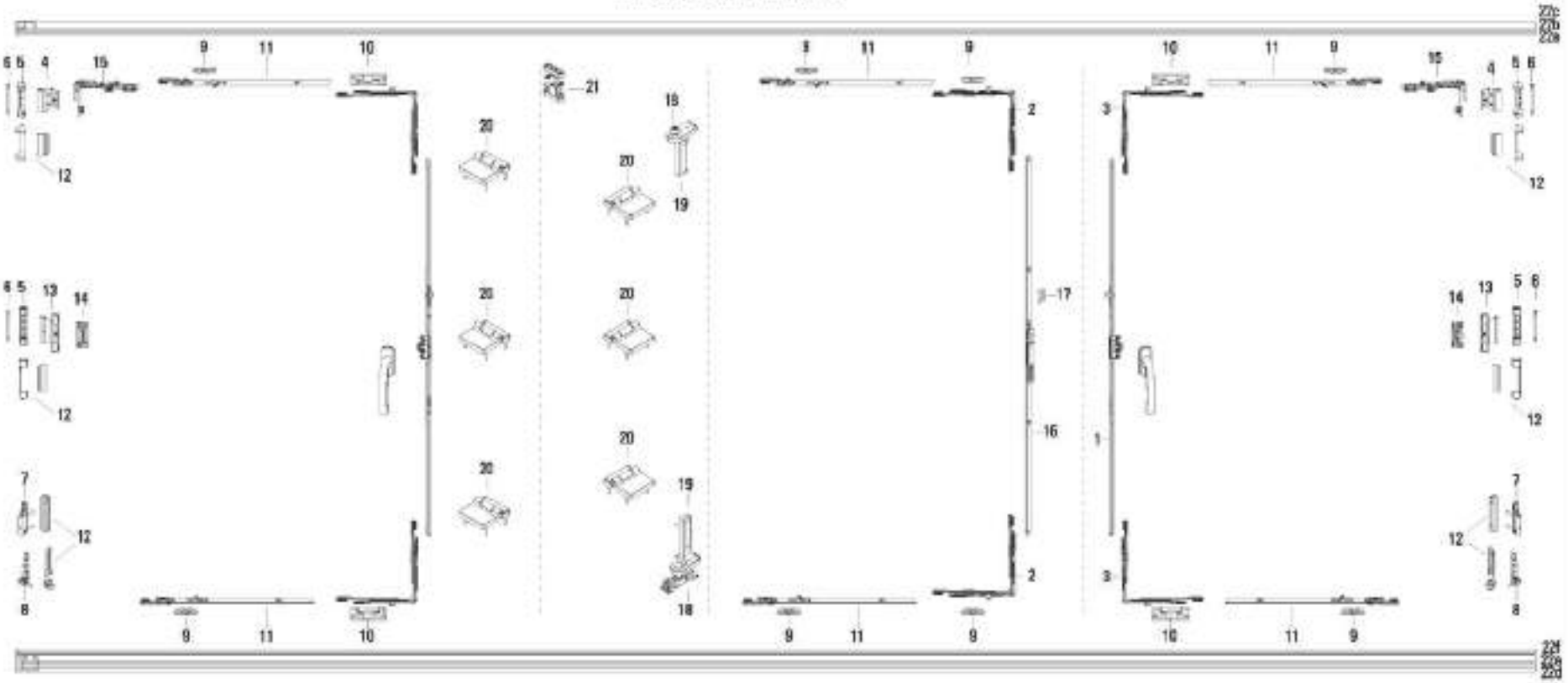
Number of sashes that open to the left

431

Total number of sashes

Number of sashes that open to the right

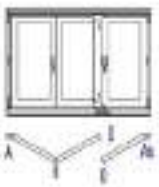
431 (3 LEFT, 1 RIGHT OPENING)
HARDWARE TABLE



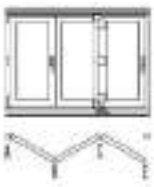
Sample order for schema 431

TECHNICAL PICTURE	CODE	PART NAME	LENGHT /AXE	COLOUR VARIANT			FOLDING SCHEMA- MIN. QUANTITY									
				WHITE RAL-9016	BLACK RAL-8022	SILVER RAL-9006	321	330	431	532	541	550	633	651	743	761	770
	141.001.001.001	Bogie set					1	1	1	2	2	2	2	2	3	3	3
	141.002.001.001	Support bracket Accessories (upvc&timber)		✓	✓	✓	1	1	1	2	2	2	2	2	3	3	3
	141.003.003.001	Folding 3 m Track set	1 - 3000	✓	✓	✓	1	1	1	1	1	1	1	1	1	1	1
	141.003.004.001	Folding 4 m Track set	3001 - 4000				1	1	1	1	1	1	1	1	1	1	1
	141.003.005.001	Folding 5 m Track set	4001 - 5000				1	1	1	1	1	1	1	1	1	1	1
	141.003.006.001	Folding 6 m Track set	5001 - 6000				1	1	1	1	1	1	1	1	1	1	1
	141.004.001.001	Set Sash Retaining Device		✓	✓	✓	1	2	2	3	2	2	4	2	4	2	2
	141.005.001.001 141.005.002.001 141.005.004.001	Folding Hings Set Folding Hings Set Folding Hings Set	20/40 20/50 30/50	✓	✓	✓	3	6	6	9	9	12	12	12	15	15	18

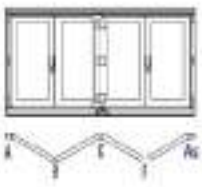
INWARD / OUTWARD OPENING (Z) TYPE



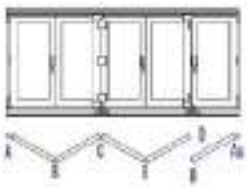
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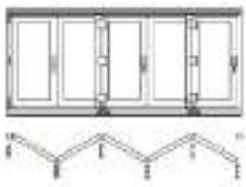
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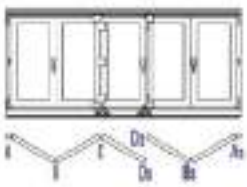
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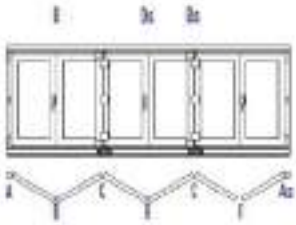
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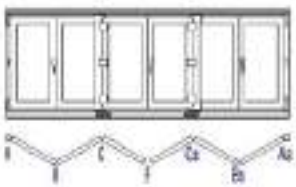
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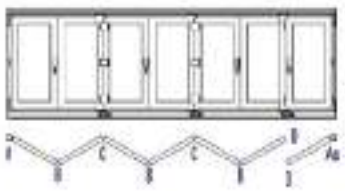
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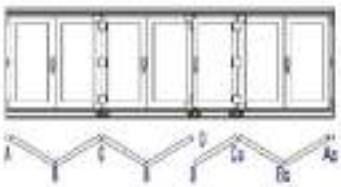
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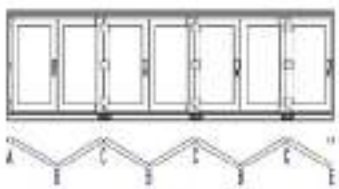
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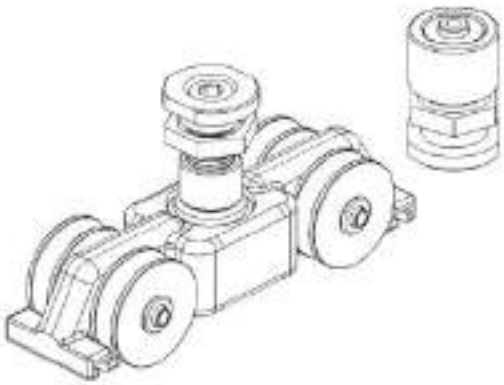
761



743



770



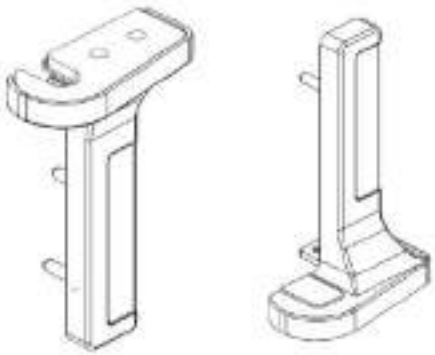
Bogie Set

CODE : 2301



Folding Track Set

CODE : 2309



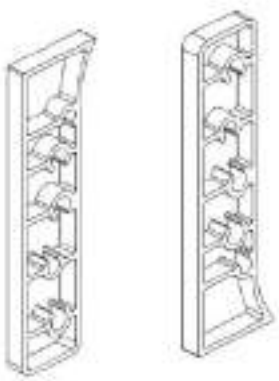
Support bracket Accessories

CODE : 2325



Set Sash Retaining Device

CODE : 2315



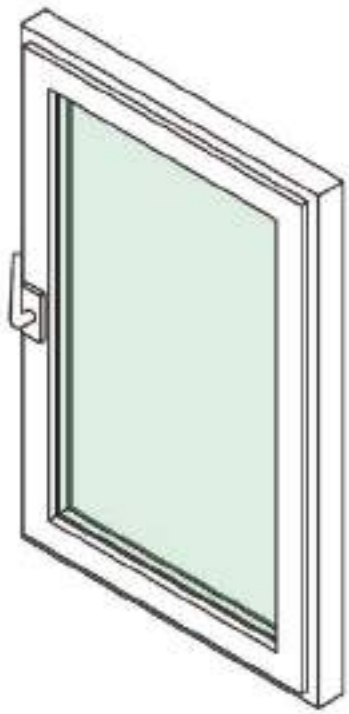
Packers support bracket

CODE : 2329



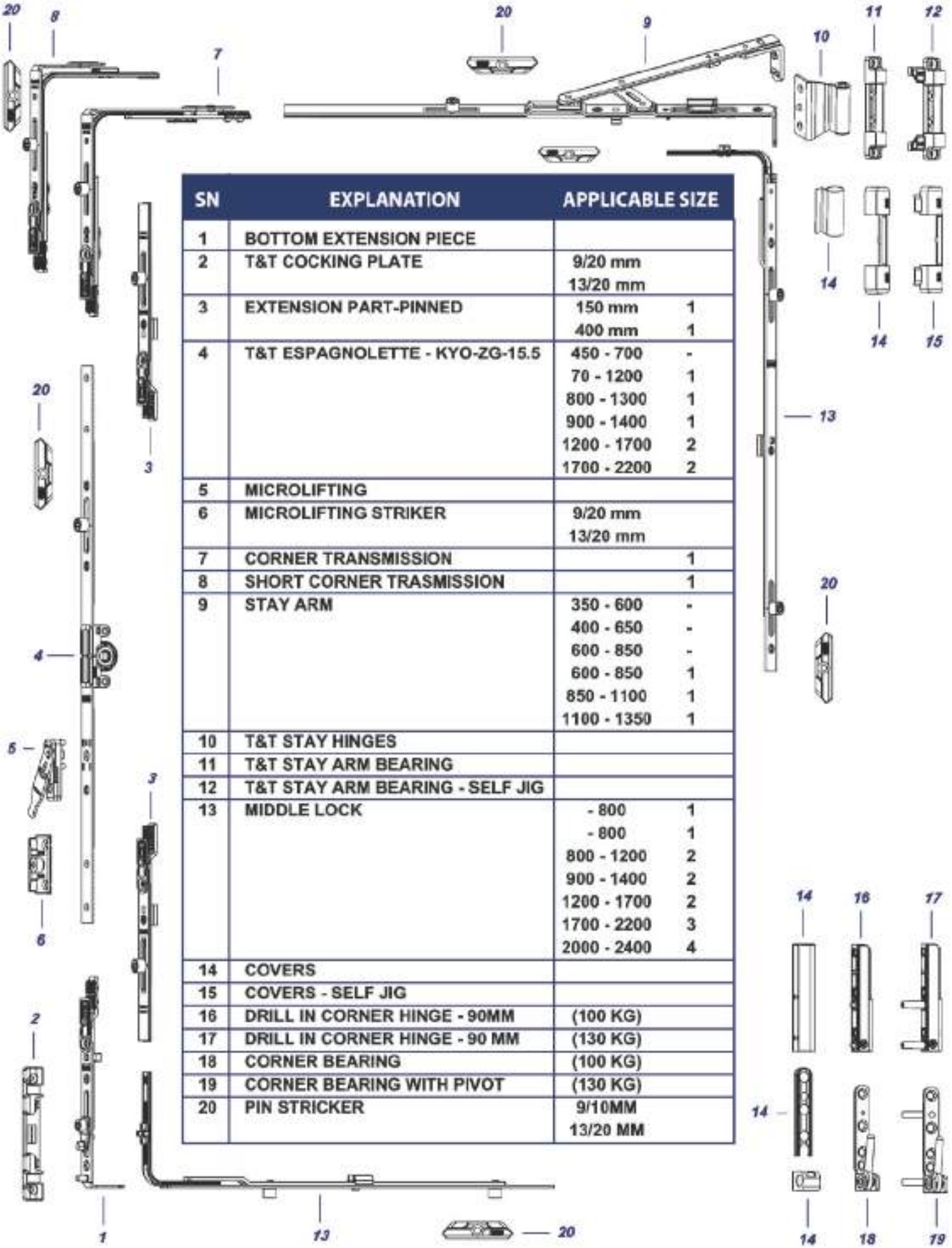
Folding Hinge Set 30/50 Axis

CODE : 2351





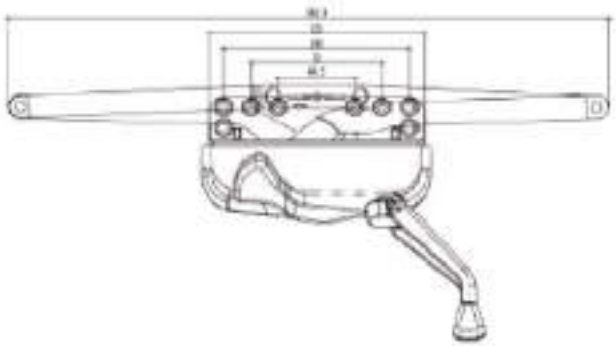




SN	EXPLANATION	APPLICABLE SIZE	
1	BOTTOM EXTENSION PIECE		
2	T&T COCKING PLATE	9/20 mm 13/20 mm	
3	EXTENSION PART-PINNED	150 mm 400 mm	1 1
4	T&T ESPAGNOLETTE - KYO-ZG-15.5	450 - 700 70 - 1200 800 - 1300 900 - 1400 1200 - 1700 1700 - 2200	- 1 1 1 2 2
5	MICROLIFTING		
6	MICROLIFTING STRIKER	9/20 mm 13/20 mm	
7	CORNER TRANSMISSION		1
8	SHORT CORNER TRASMISSION		1
9	STAY ARM	350 - 600 400 - 650 600 - 850 600 - 850 850 - 1100 1100 - 1350	- - - 1 1 1
10	T&T STAY HINGES		
11	T&T STAY ARM BEARING		
12	T&T STAY ARM BEARING - SELF JIG		
13	MIDDLE LOCK	- 800 - 800 800 - 1200 900 - 1400 1200 - 1700 1700 - 2200 2000 - 2400	1 1 2 2 2 3 4
14	COVERS		
15	COVERS - SELF JIG		
16	DRILL IN CORNER HINGE - 90MM	(100 KG)	
17	DRILL IN CORNER HINGE - 90 MM	(130 KG)	
18	CORNER BEARING	(100 KG)	
19	CORNER BEARING WITH PIVOT	(130 KG)	
20	PIN STRICKER	9/10MM 13/20 MM	

Y Series Wonder Operator

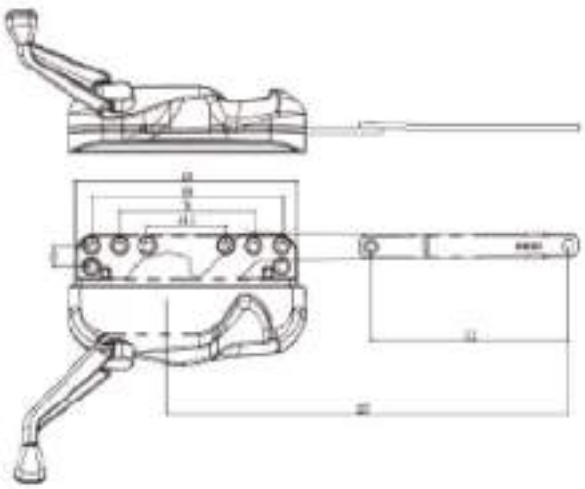




Product	Code No	Central Length "L" (mm)
Y Series Wonder Operator	01/1506L(R)	348.9 mm (13.7")
	01/1508L(R)	228.6 mm (9.0")
	01/150L(R)	406.4 mm (16.0")
	01/1510L(R)	533.4 mm (21.0")

Y Series Wonder Single Arm Operator





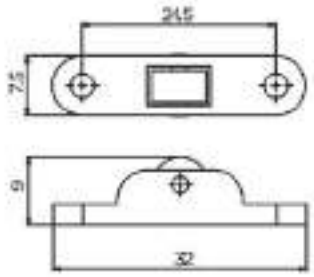
Product	Serial No.	(L) Central Length
Y Series Wonder Single Arm Operator	01/0113 (R)	7.5" (190.5 mm)
	01/0114 (R)	9.5" (241.3 mm)
	01/0115 (R)	13.5" (342.9 mm)



Description	Loading Capacity (Pair)	Height / Width (mm)
Vertical Sliding 350 mm	13 Kgs	800 / 360
Vertical Sliding 400 mm	17 Kgs	900 / 410
Vertical Sliding 450 mm	17 Kgs	1000 / 460
Vertical Sliding 500 mm	17 Kgs	1100 / 510
Vertical Sliding 550 mm	17 Kgs	1200 / 560
Vertical Sliding 600 mm	22 Kgs	1300 / 610

7.5mm Mesh Roller Nylon Frame

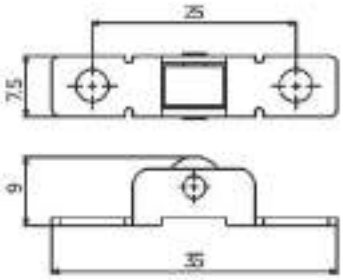
CODE : 1001
FRAME : NYLON
WHEEL : MS/BRASS
CAPACITY : 10KG/PAIR





7.5mm Mesh Roller Metal Frame

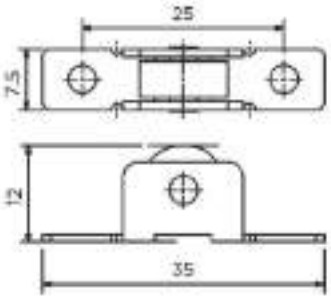
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FRAME : MS
WHEEL : NYLON
CAPACITY : 10KG/PAIR





7.5mm Mesh Roller 12mm Height

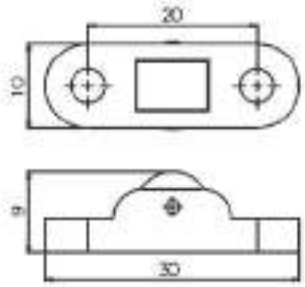
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FRAME : MS
WHEEL : NYLON
CAPACITY : 10KG/PAIR





10mm Mesh Roller Nylon Frame

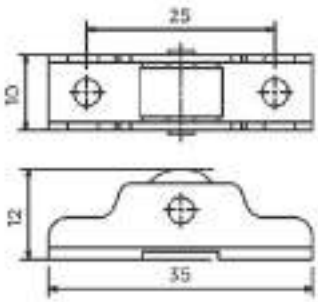
CODE : 1004
FRAME : NYLON
WHEEL : MS/BRASS
CAPACITY : 12KG/PAIR





10mm Mesh Roller Steel Frame

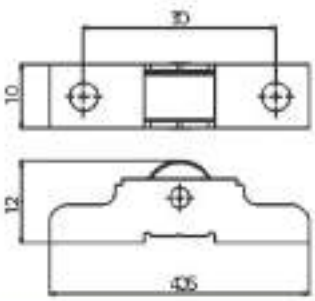
CODE : 1005
FRAME : MS
WHEEL : NYLON
CAPACITY : 15KG/PAIR





10mm Mesh Roller SS

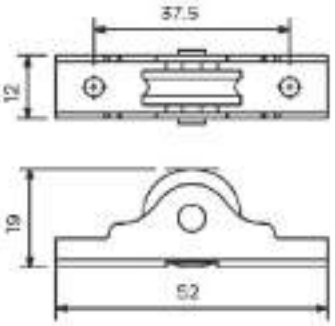
CODE : 1006
FRAME : SS 430
WHEEL : NYLON
CAPACITY : 18KG/PAIR





12mm Ball Bearing Roller

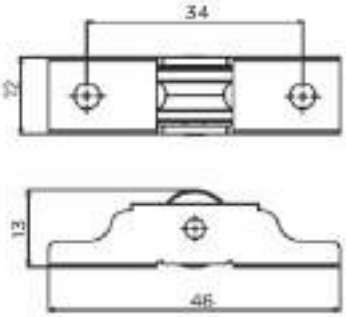
CODE : 1007
FRAME : MS
WHEEL : BALL BEARING
CAPACITY : 55KG/PAIR





12mm Groove Roller

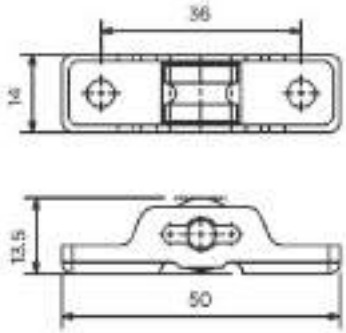
CODE : 1007A
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WHEEL : NYLON
CAPACITY : 30KG/PAIR





14mm Groove Roller

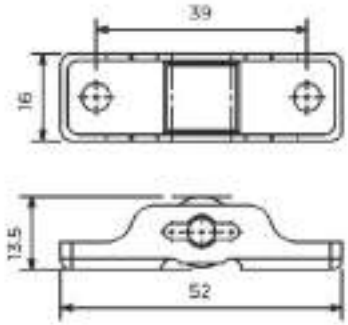
CODE : 1008
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WHEEL : NYLON
CAPACITY : 35KG/PAIR





16mm Flat Roller WH

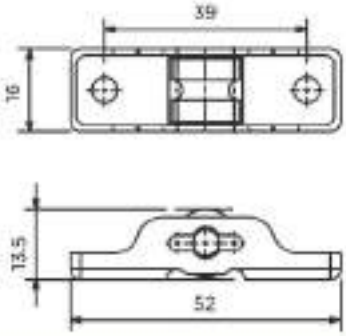
CODE : 1009
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WHEEL : NYLON
CAPACITY : 40KG/PAIR





16mm Groove Roller WH

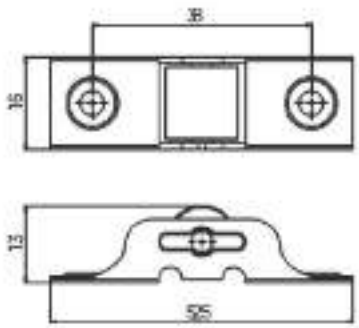
CODE : 1010
FRAME : MS
WHEEL : NYLON
CAPACITY : 40KG/PAIR





16mm Flat Roller SS

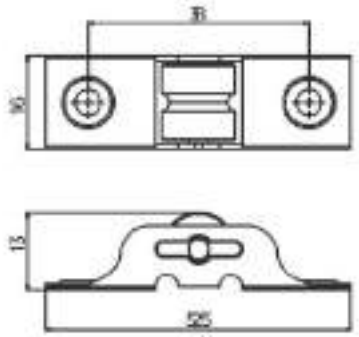
CODE : 1011
FRAME : SS 430
WHEEL : NYLON
CAPACITY : 45KG/PAIR





16mm Groove Roller SS

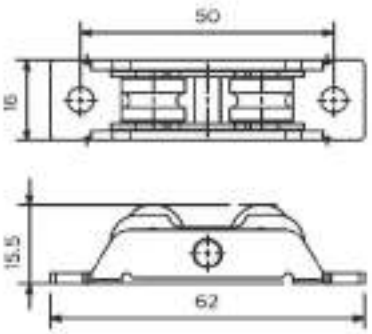
CODE : 1012
FRAME : SS 430
WHEEL : NYLON
CAPACITY : 45KG/PAIR





Double Swing Groove Roller

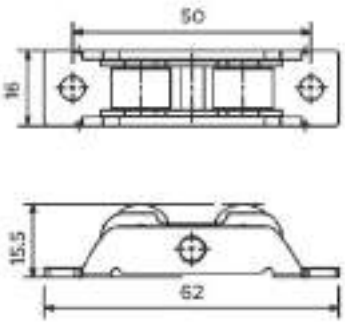
CODE : 1013
FRAME : MS
WHEEL : NYLON
CAPACITY : 60KG/PAIR





Double Swing Flat Roller

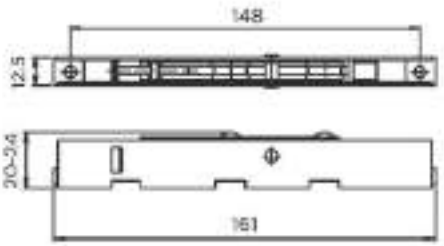
CODE : 1014
FRAME : MS
WHEEL : NYLON
CAPACITY : 60KG/PAIR





Adjustable Door Roller

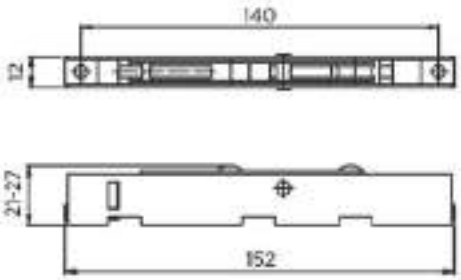
CODE : 1015
FRAME : MS
WHEEL : NYLON
CAPACITY : 90KG/PAIR





Adjustable Door Roller Premium

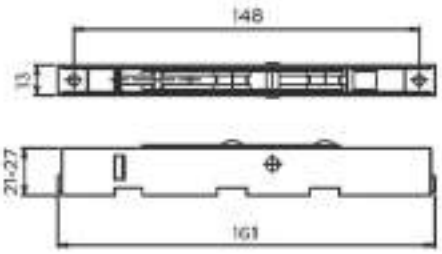
CODE : 1015P
FRAME : MS
WHEEL : NYLON PA
CAPACITY : 100KG/PAIR





Adjustable Door Roller-Metal Wheel

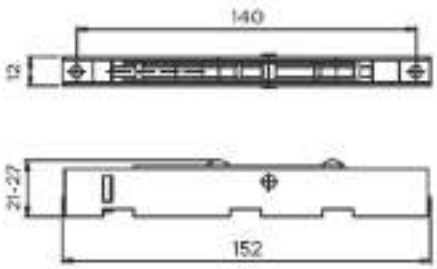
CODE : 1016M
FRAME : MS
WHEEL : METAL
CAPACITY : 110KG/PAIR





Adjustable Door Roller-Brass Wheel

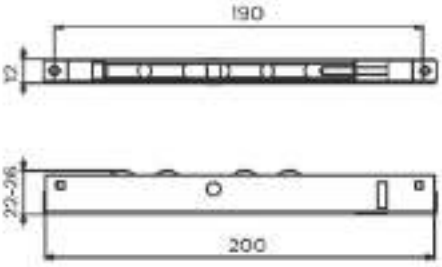
CODE : 1016B
FRAME : MS
WHEEL : BRASS COATED
CAPACITY : 120KG/PAIR





Adjustable 4 Wheel Door Roller

CODE : 1017
FRAME : SS 304
WHEEL : NYLON
CAPACITY : 130KG/PAIR

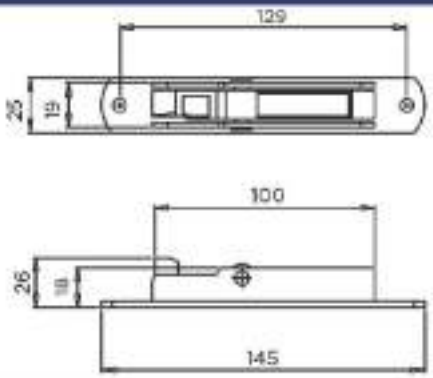






Touch Lock

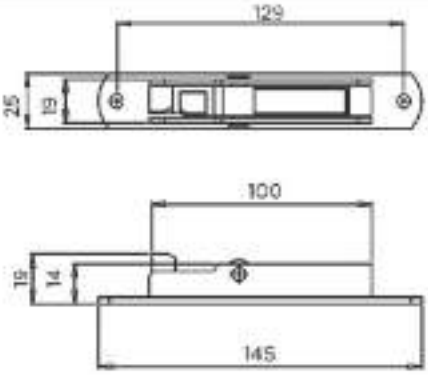
CODE : 1101





Touch Lock Slim

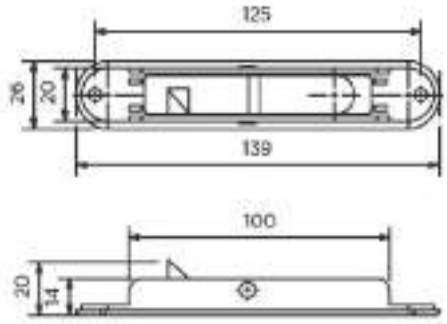
CODE : 1101LS





LG Touch Lock

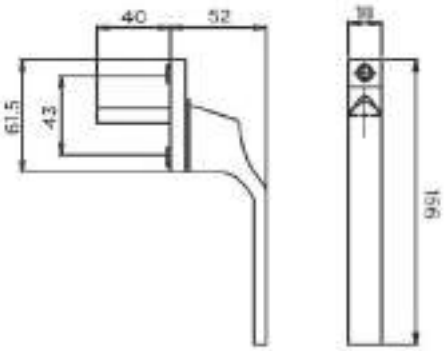
CODE : 1106





Casement Handle Spindle

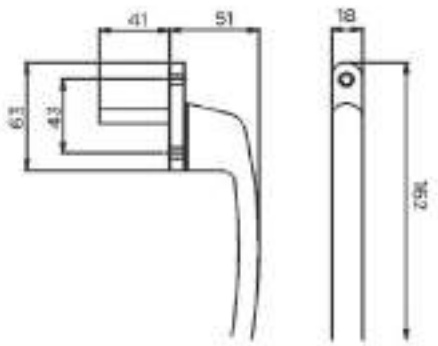
CODE : 1107





Casement Handle American

CODE : 1108

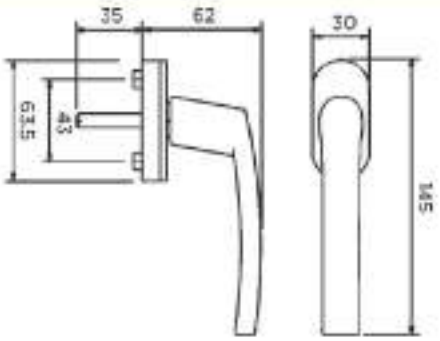




WINDSEAL
HARDWARE | TOOLS | ACCESSORIES

Sliding Handle

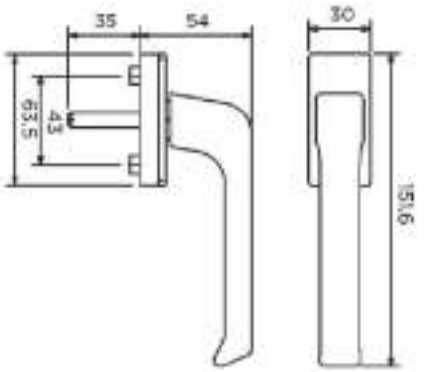
CODE : 1109





Door Handle

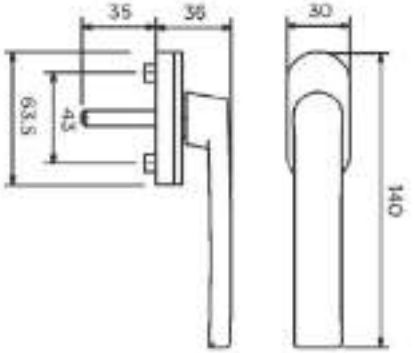
CODE : 1110





Short Neck Handle Small

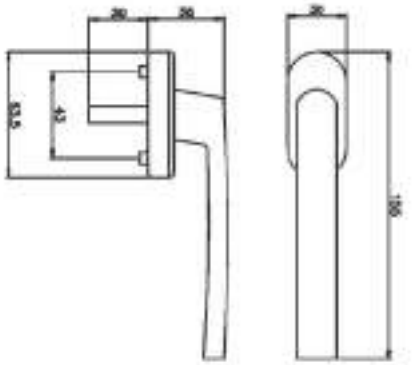
CODE : 1111





Short Neck Handle Big

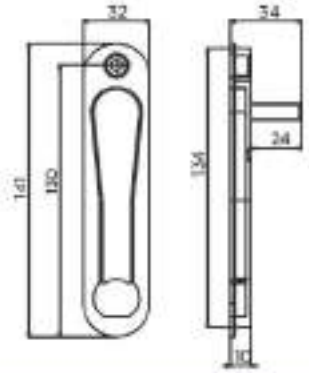
CODE : 1111B





Popup Handle Slim

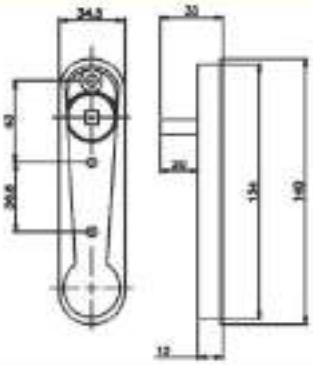
CODE : 1112





Popup Handle WH

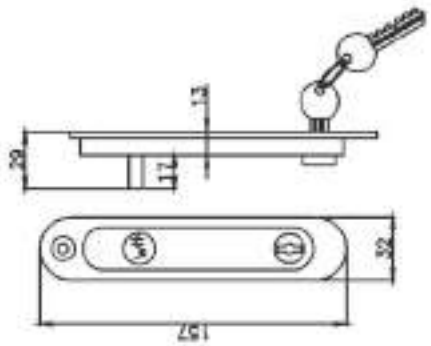
CODE : 1113





Popup Handle With Key

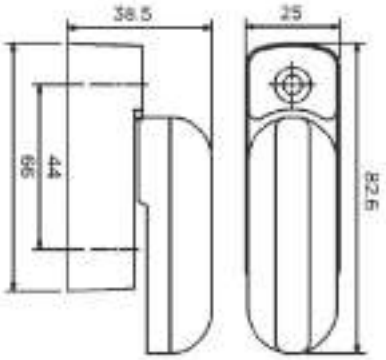
CODE : 1114





T Lock

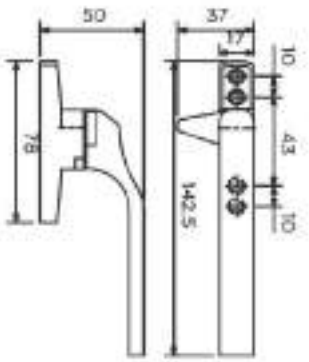
CODE : 1117





Cockspur Handle R

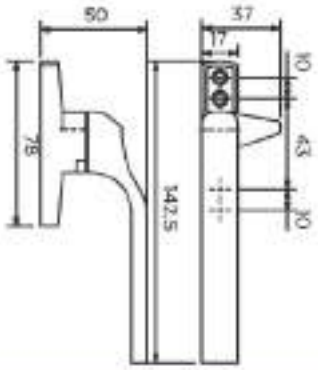
CODE : 1119R





Cockspur Handle L

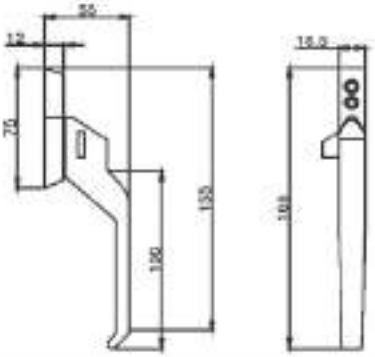
CODE : 1119L





Cockspur Handle PR R

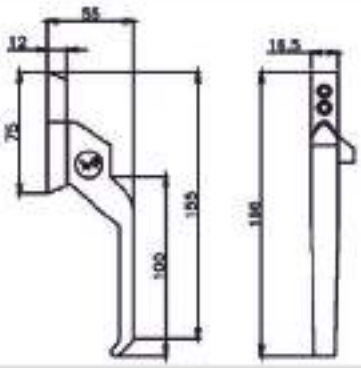
CODE : 1120R





Cockspur Handle PR L

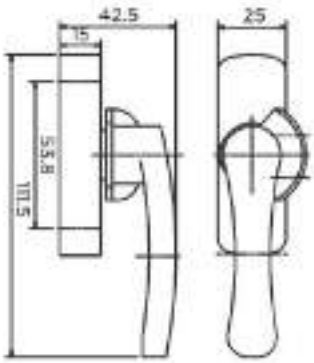
CODE : 1120L





Crescent Lock

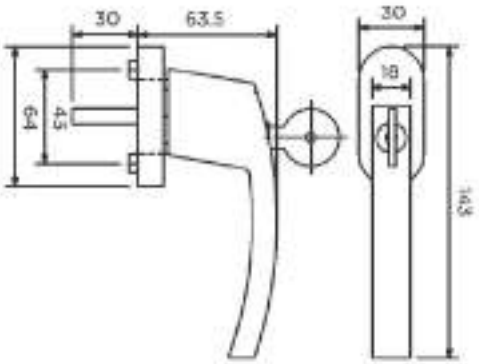
CODE : 1122





Sliding Handle With Key

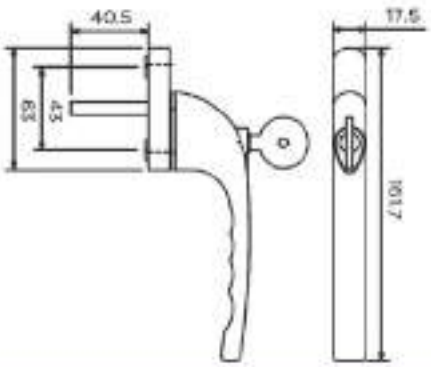
CODE : 1123





Casement Handle Press And Key

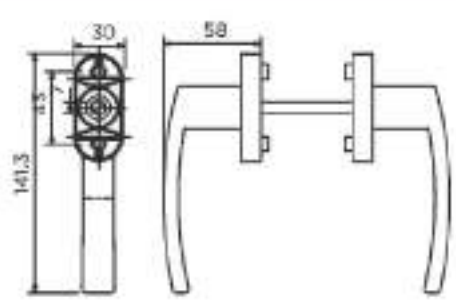
CODE : 1124





Double Handle Without Key

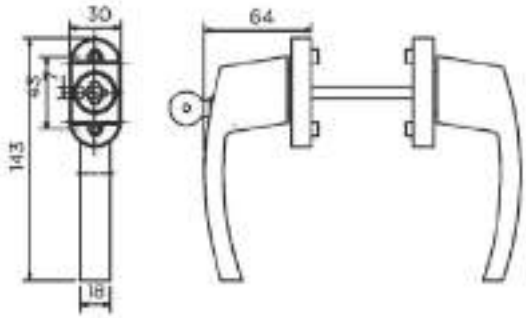
CODE : 1125





Double Handle With One Side Key

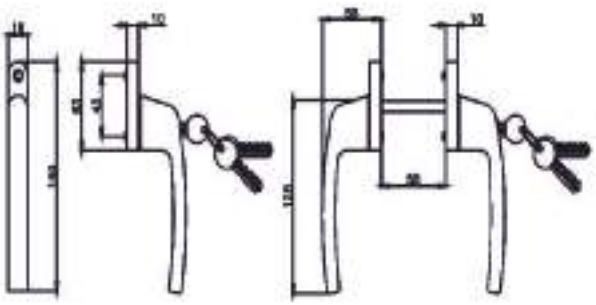
CODE : 1126





Double Handle With One Side Key Sash

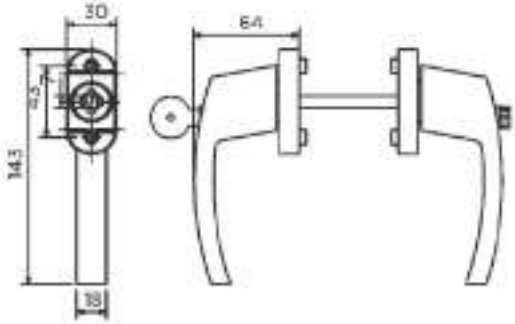
CODE : 1126S





Double Handle With One Side Key One Side Knob

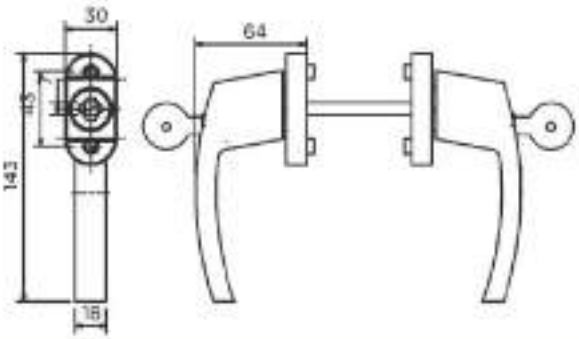
CODE : 1127





Double Handle With Both Side Keys

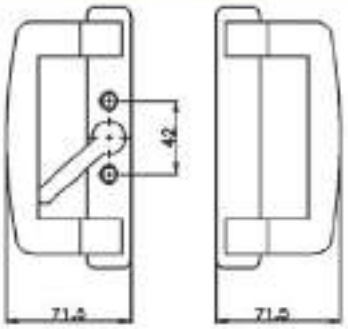
CODE : 1128





Dummy D Handle Non-Lockable

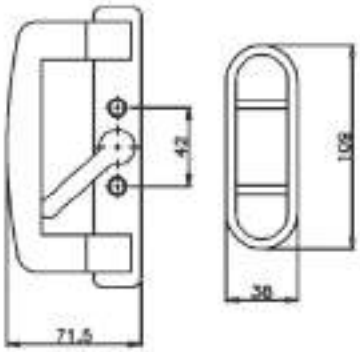
CODE : 1129





Dummy D Handle With Mesh Provision

CODE : 1130





L-Key Handle

CODE : 1131



C Handle

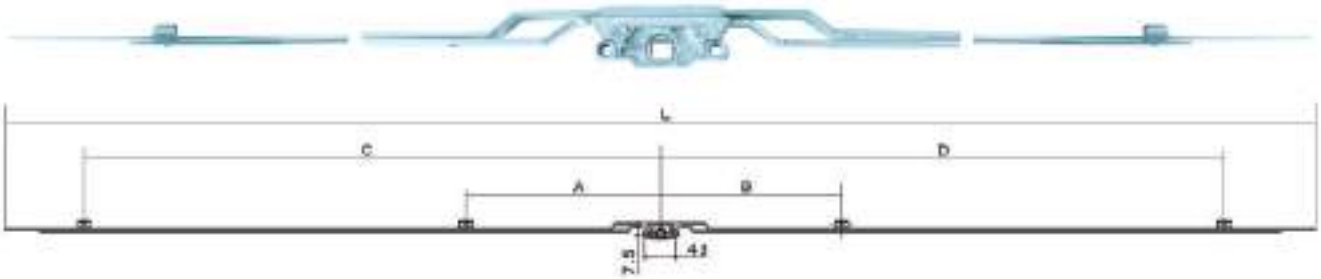
CODE : 1115



U Handle

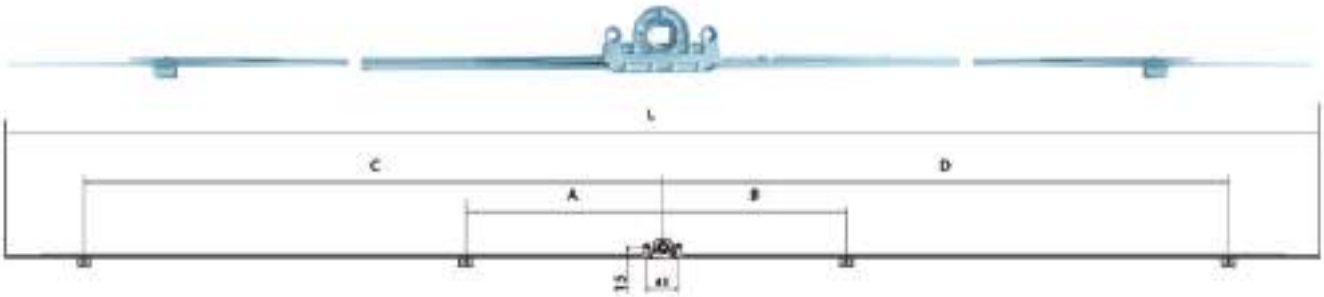
CODE : 1116





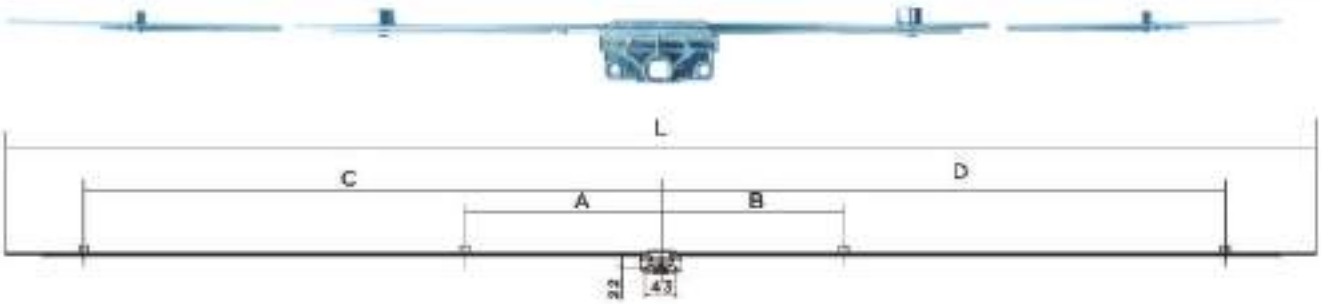
7.5mm BS Sliding Espag

Product Code	L (mm)	A (mm)	B (mm)	C (mm)	D (mm)	
7508	800	-	-	290	272	2
7510	1000	-	148	390	372	3
7512	1200	-	148	490	472	3
7514	1400	166	48	590	572	4
7516	1600	231	213	690	672	4
7518	1800	266	248	790	772	4
7520	2000	286	268	890	872	4



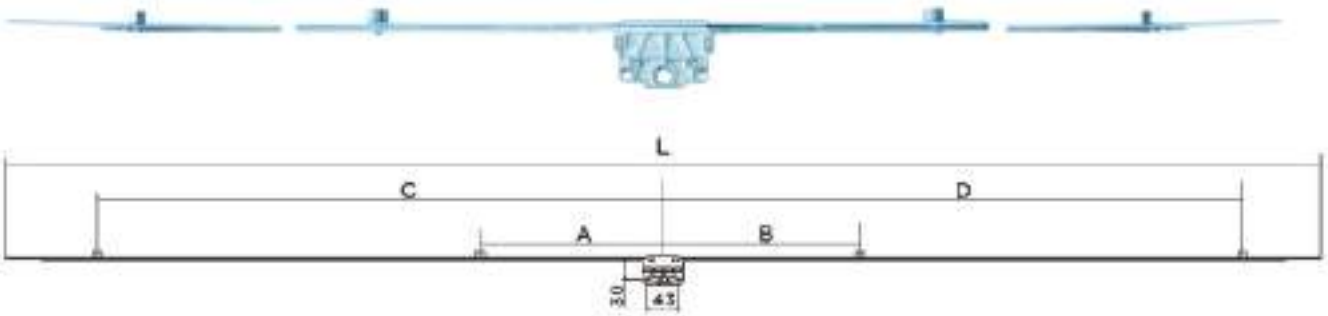
15mm BS Sliding Espag

Product Code	L (mm)	A (mm)	B (mm)	C (mm)	D (mm)	
1512	1200	-	151	493	475	3
1514	1400	169	151	593	575	4
1516	1600	234	216	693	675	4
1518	1800	269	251	793	775	4
1520	2000	289	271	893	875	4



22mm BS Casement Espag

Product Code	L (mm)	A (mm)	B (mm)	C (mm)	D (mm)	
2240	400	-	-	136	118	2
2260	600	-	-	193	175	2
2280	800	-	-	293	275	2
2210	1000	-	151	393	375	3
2212	1200	-	151	493	475	3
2214	1400	169	151	593	575	4
2216	1600	234	216	693	675	4
2218	1800	269	251	793	775	4

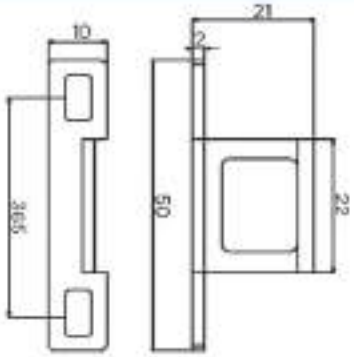


30mm BS Casement Espag

Product Code	L (mm)	A (mm)	B (mm)	C (mm)	D (mm)	
3014	1400	169	151	593	575	3
3016	1600	234	216	693	675	4
3016	1800	269	251	793	775	4

SS Keep

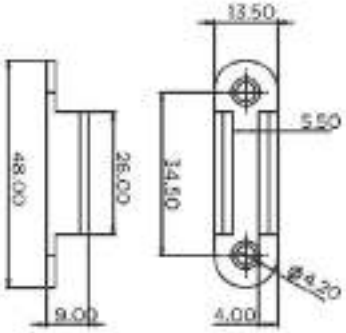
CODE : 3001





Sliding Striker

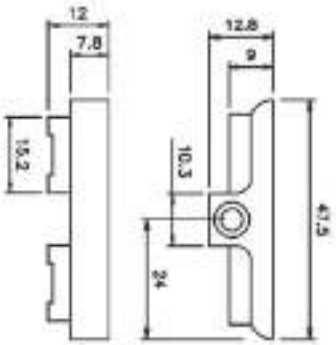
CODE : 3003





Casement Striker - 9mm Axis

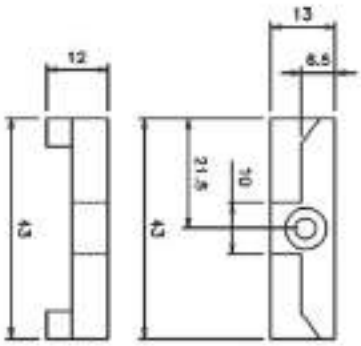
CODE : 3005





Casement Striker - 13mm Axis

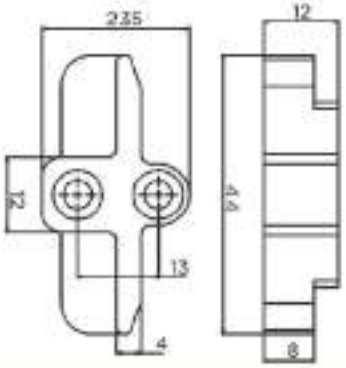
CODE : 3006





Casement Striker - 22mm Axis

CODE : 3007

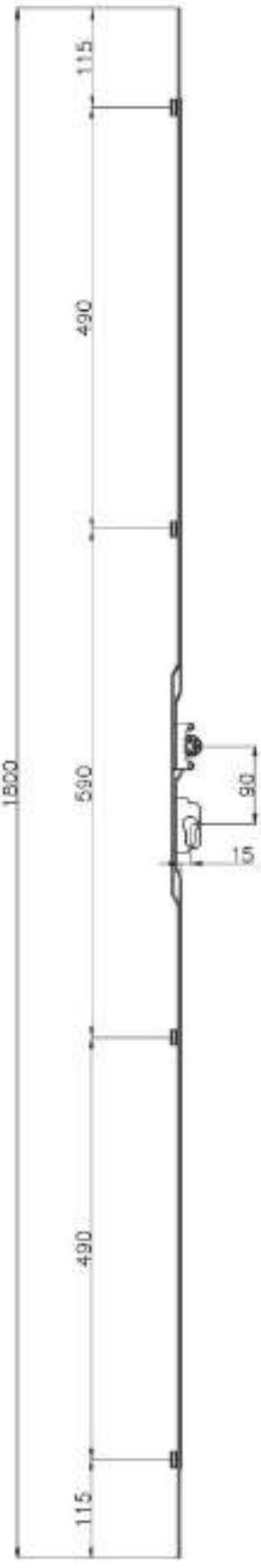


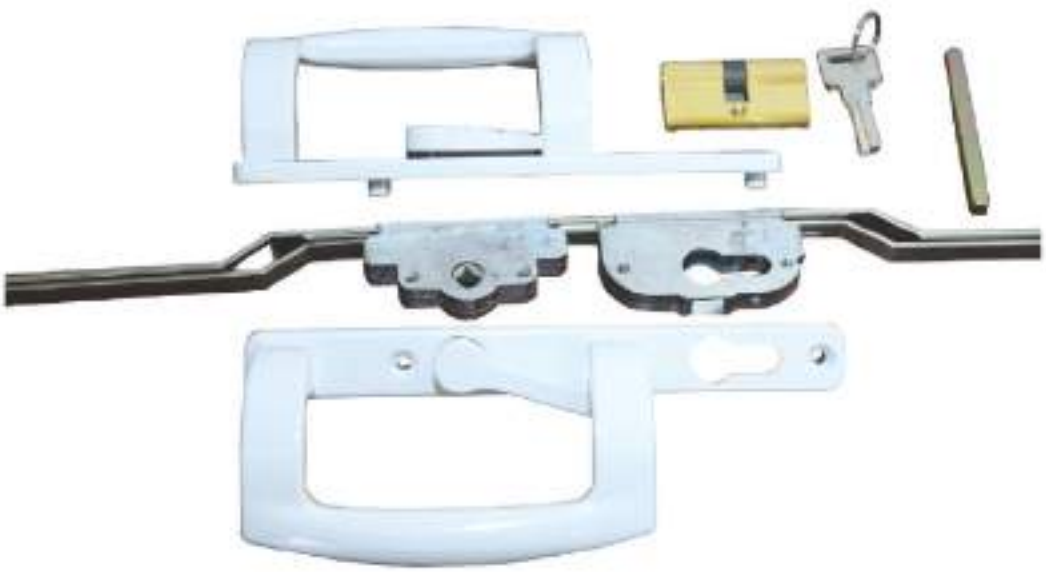


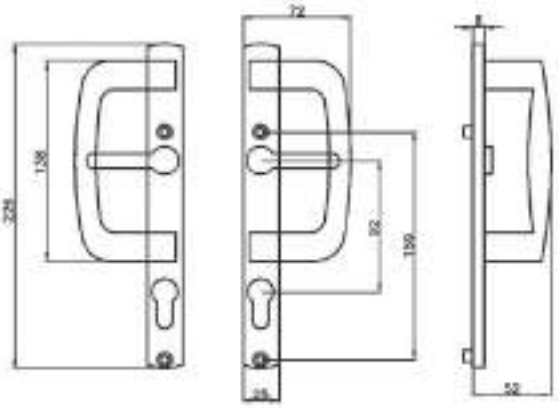


Sliding Door Set - D Handle

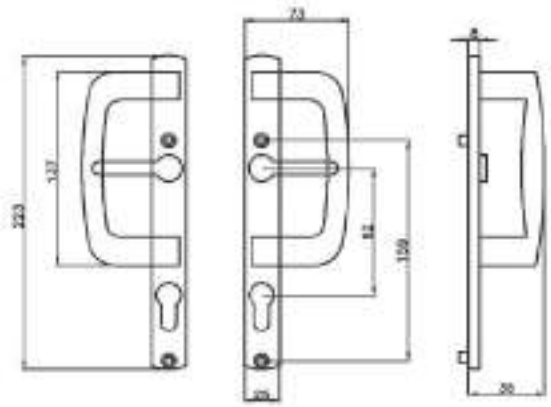
CODE : 8001



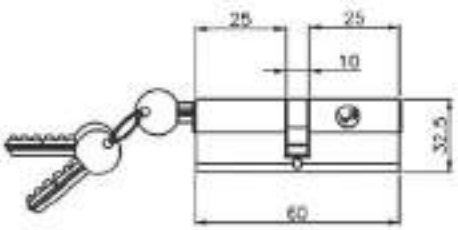




"D" Handle Regular



"D" Handle Small

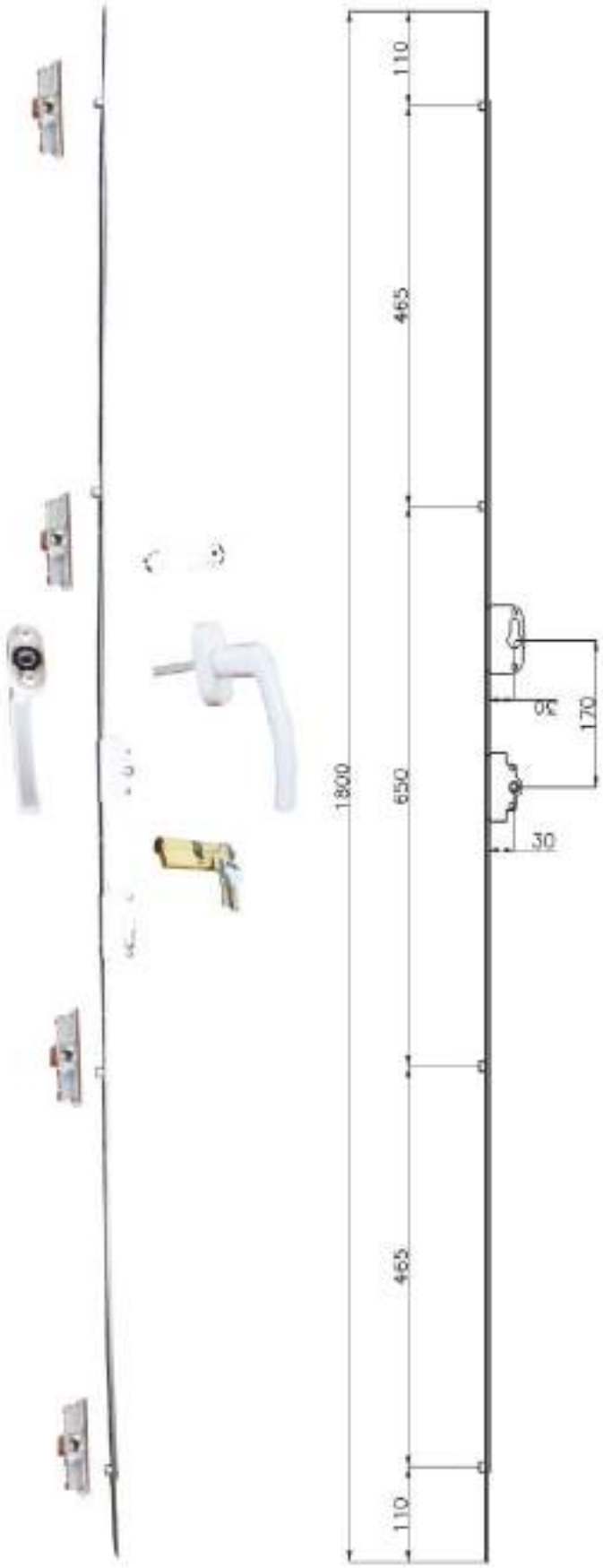


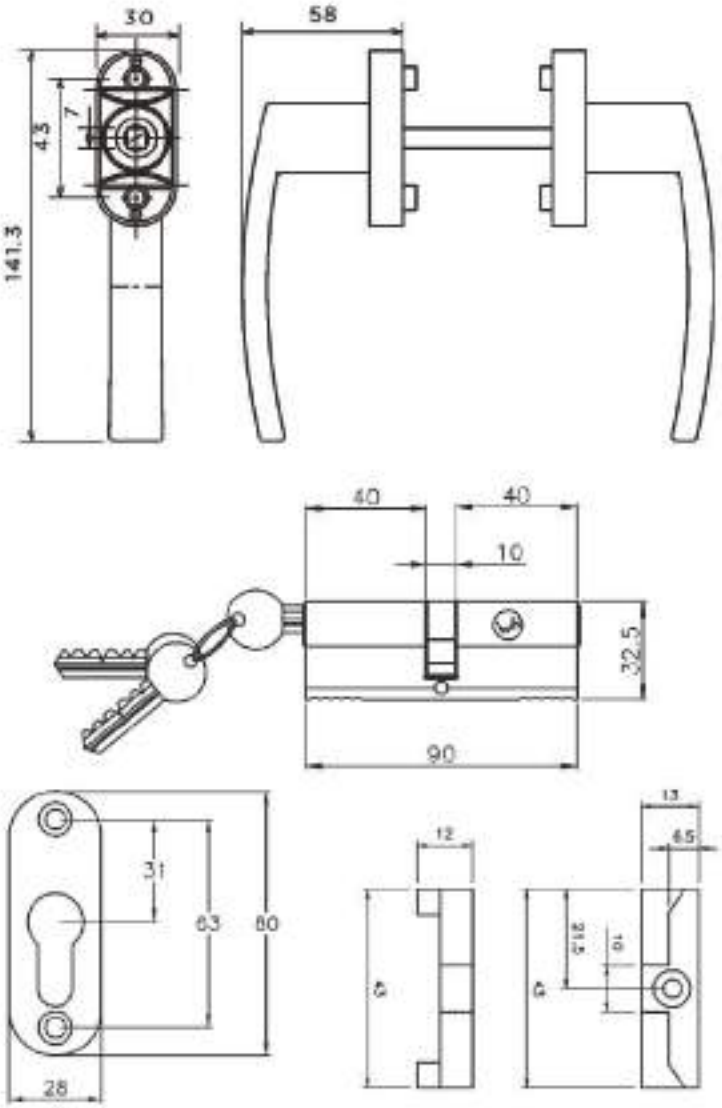
Code	Product Name	Qty
8001	Sliding Door Set - D Handle	1 Set
8001.1	D Handle Set	1 Pair
8001.2	15BS Espag 1800MM	1 No
8001.3	60MM Cylinder Both Side Keys	1 No
8001.4	Sliding Strickers	4 Nos



Casement Door Set - Regular

CODE : 8002



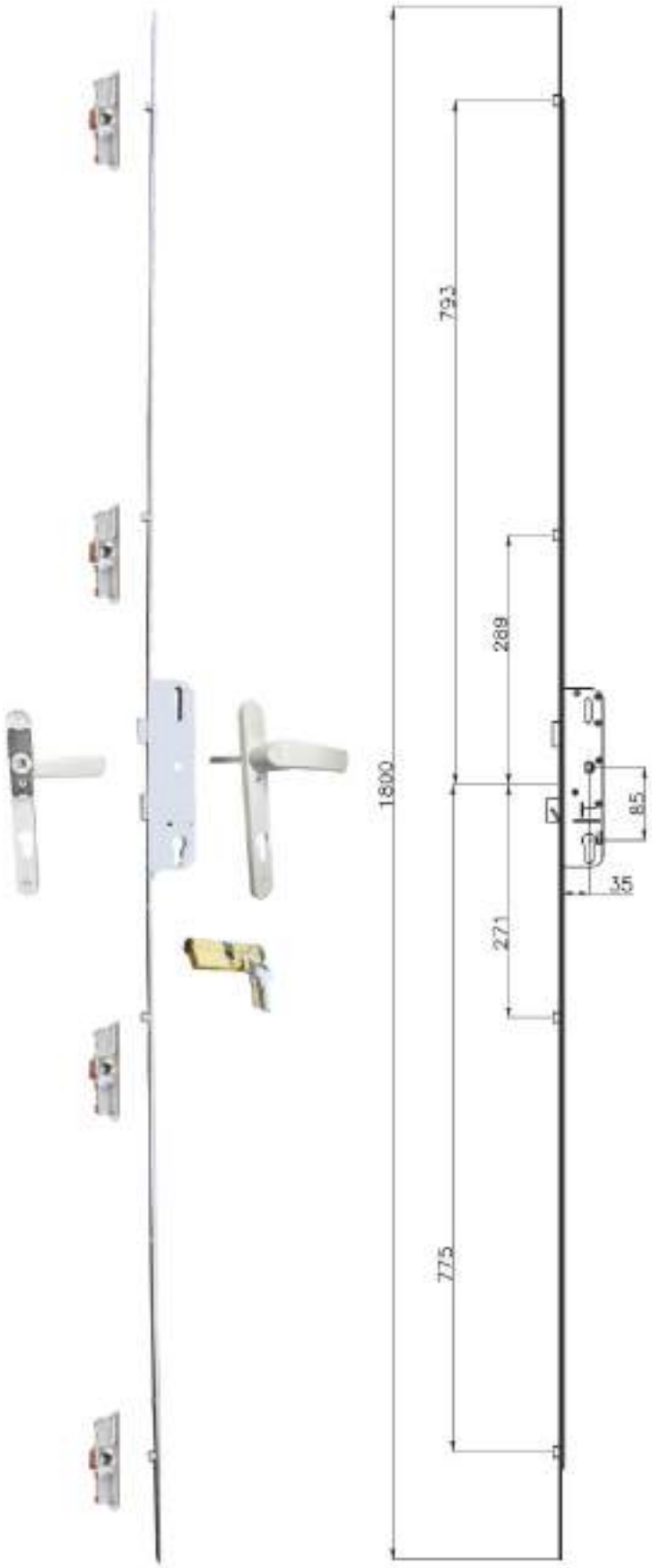


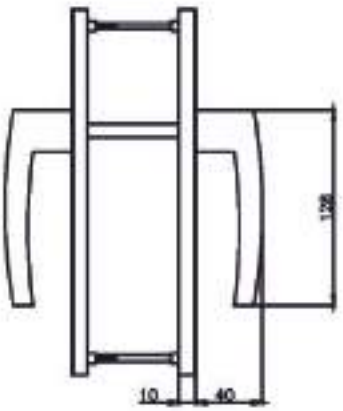
Code	Product Name	Qty
8002	Casement Door Set - Regular	1 Set
8002.1	Casemet Handle	1 Pair
8002.2	30BS Espag 1800MM	1 No
8002.3	90MM Cylinder Both Side keys	1 No
8002.4	Casement Strickers	4 Nos
8002.5	Cylinders Caps	2 Nos

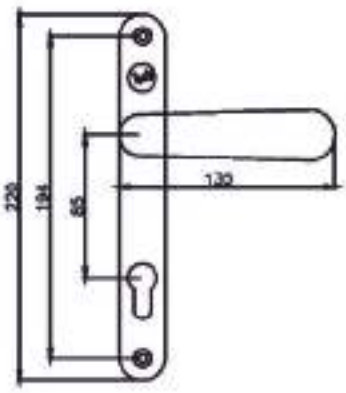


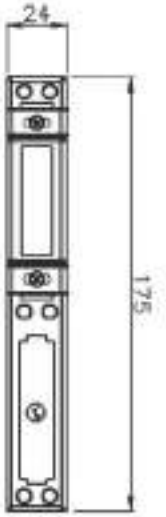
Casement Door Set - Multipoint/Euro Type

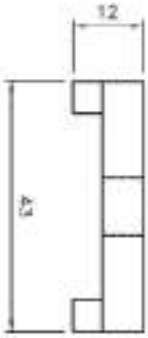
CODE : 8003



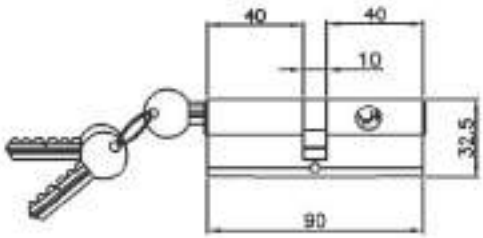








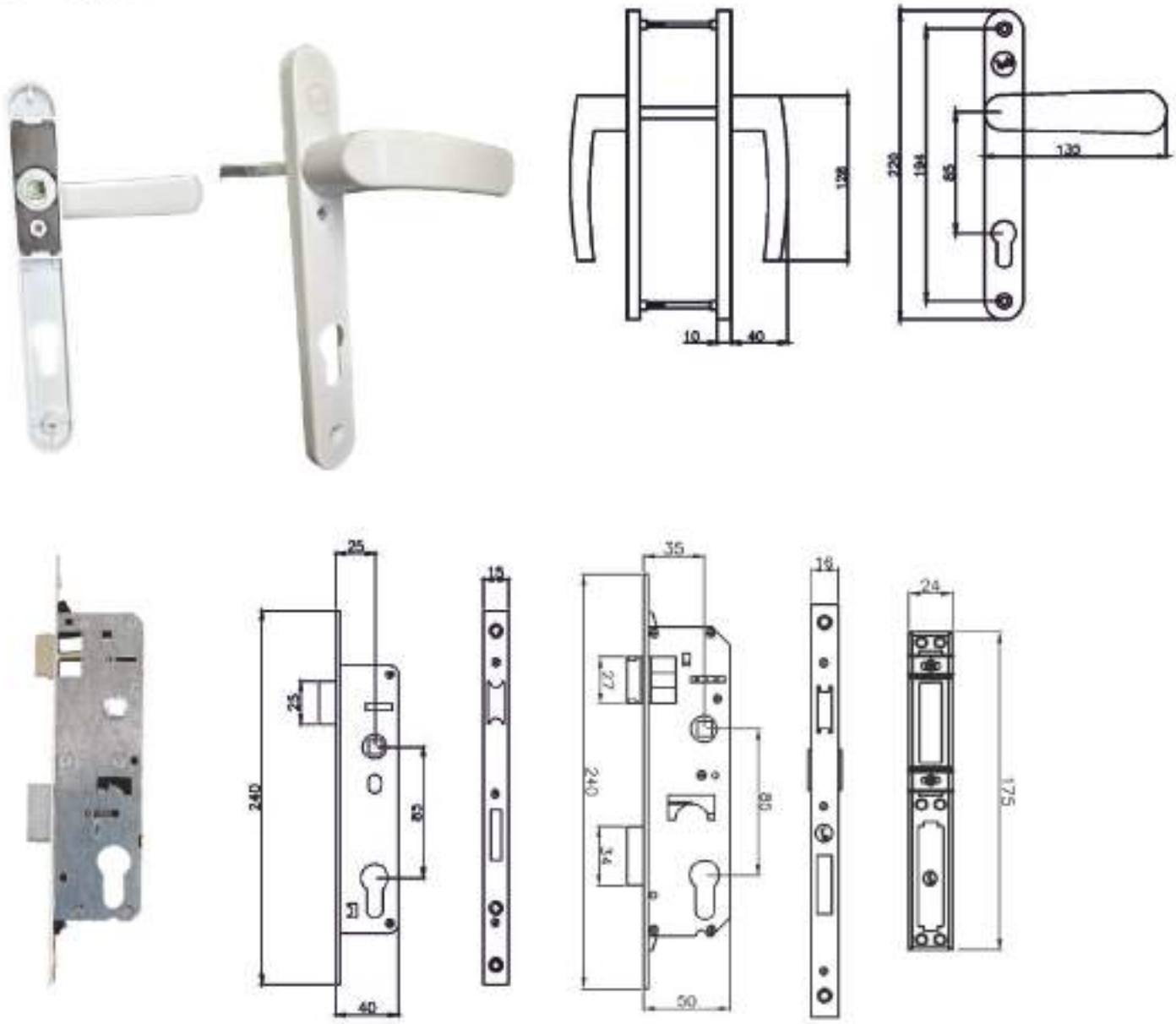




Code	Product Name	Qty
8003	Casement Door Set - Multipoint/Euro Type	1 Set
8003.1	Handles	1 Pair
8003.2	35BS Espag 1800MM	1 No
8003.3	Latch	1 No
8003.4	90mm Cylinder Both Side Keys	1 No
8003.5	Casement Strikers	4 Nos

Mortise Lock

CODE : 8004

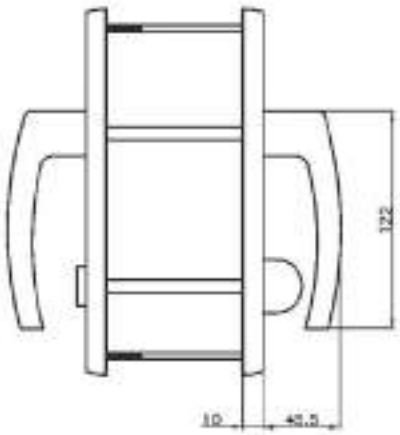


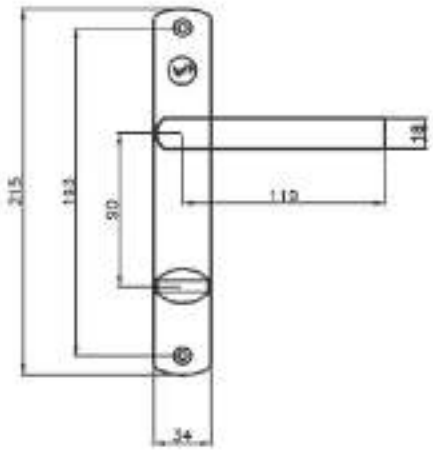
Code	Product Name	Qty
8004	Mortise Lock	1 Set
8004.1	Handles	1 Pair
8004.2	Door Lock With Cylinder Hole	1 No
8004.3	Latch	1 No
8004.4	90mm Cylinder Both Side Keys	1 No

Bathroom Door Lock

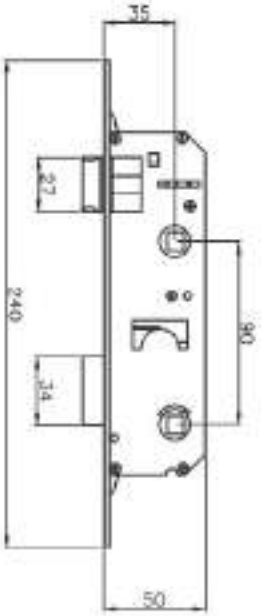
CODE : 8005



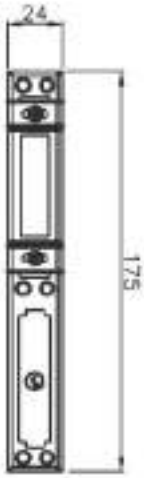










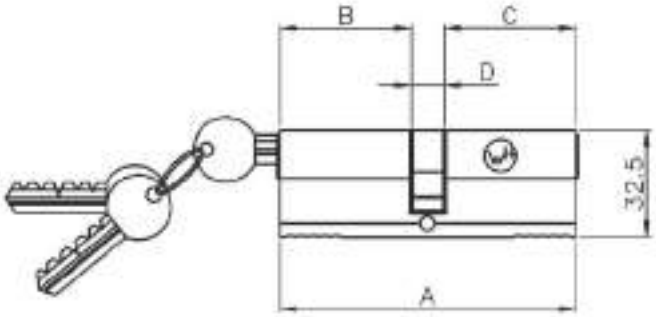


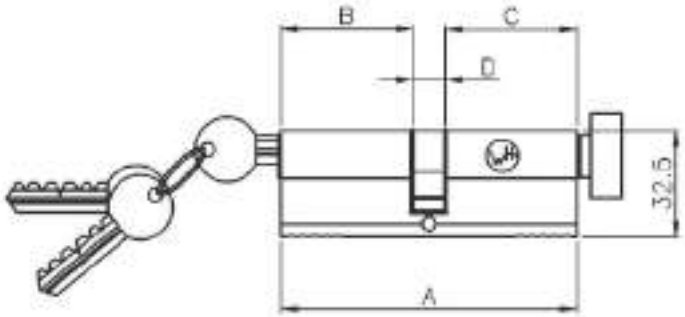
Code	Product Name	Qty
8005	Bathroom Door Lock	1 Set
8005.1	Handles	1 Pair
8005.2	Bathroom Door Lock Centre Body	1 No
8005.3	Latch	1 No

Cylinder







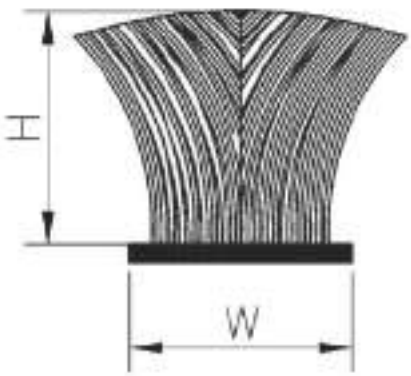


Code	Product Name	A	B	C	D
8006	60MM Cyliinder Both Side Keys	60	25	25	10
8007	60MM Cyliinder One Side Key One Side Knob	60	25	25	10
8008	90MM Cyliinder Both Side Keys	90	40	40	10
8009	90MM Cyliinder One Side Key One Side Knob	90	40	40	10
8009A	90MM Cyliinder Both Side Keys	90	45	35	10

Wool Pile WH

CODE : 1161



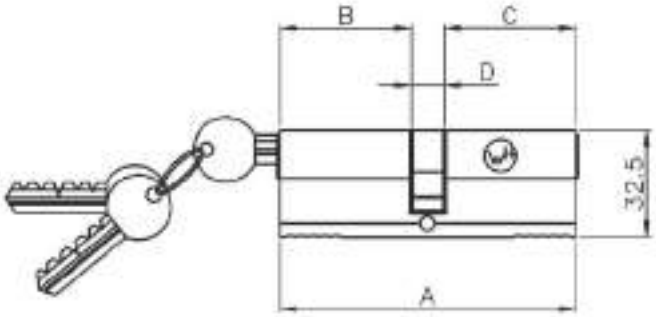


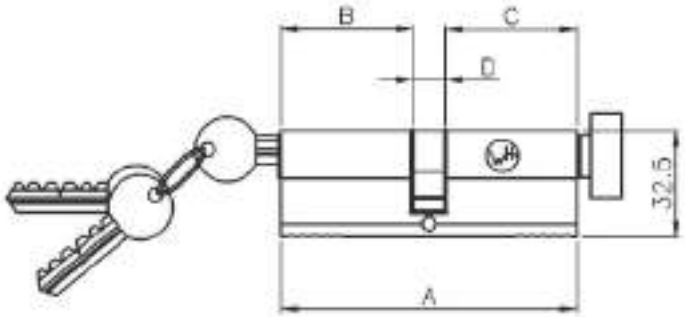
WIDTH	4.8	5.8	6.0	6.8	6.0	6.8
HEIGHT	6.0	6.0	6.0	6.0	10	10

Cylinder







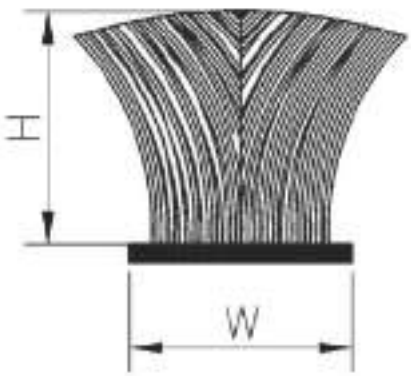


Code	Product Name	A	B	C	D
8006	60MM Cyliinder Both Side Keys	60	25	25	10
8007	60MM Cyliinder One Side Key One Side Knob	60	25	25	10
8008	90MM Cyliinder Both Side Keys	90	40	40	10
8009	90MM Cyliinder One Side Key One Side Knob	90	40	40	10
8009A	90MM Cyliinder Both Side Keys	90	45	35	10

Wool Pile WH

CODE : 1161

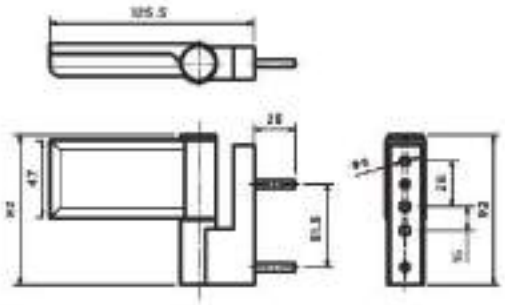




WIDTH	4.8	5.8	6.0	6.8	6.0	6.8
HEIGHT	6.0	6.0	6.0	6.0	10	10

3D Hinge

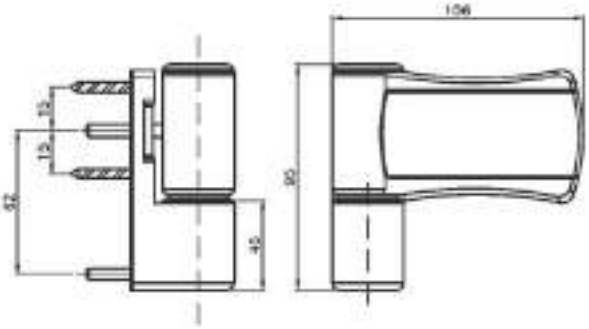
WEIGHT CAPACITY : 120 KG/PAIR
CODE : 9001





3D Door Hinge Eco

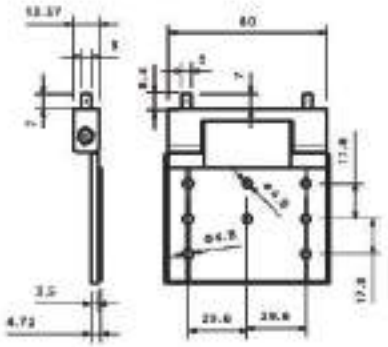
WEIGHT CAPACITY : 125 KG/PAIR
CODE : 9002





2D Hinge

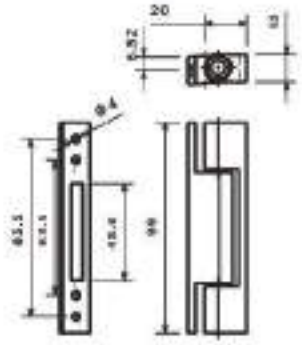
WEIGHT CAPACITY : 40 KG/PAIR
CODE : 9003





Butt Hinge Small - 75mm

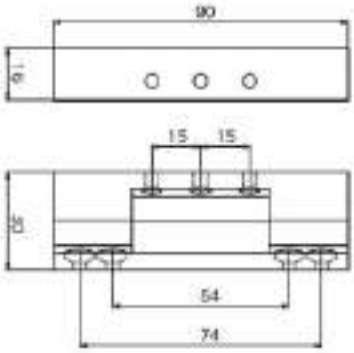
WEIGHT CAPACITY : 40 KG/PAIR
CODE : 9004





Butt Hinge Large - 90mm

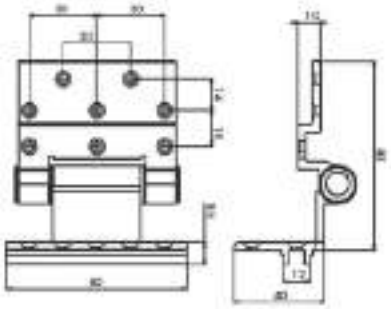
WEIGHT CAPACITY : 60 KG/PAIR
CODE : 9005





Concealed Hinge Small - 75mm

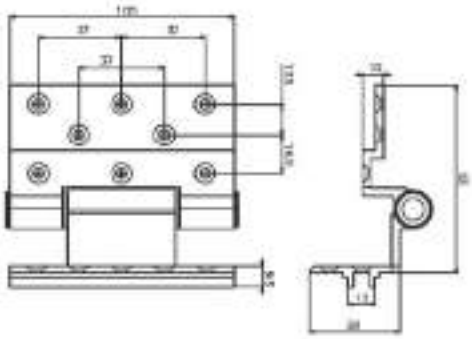
WEIGHT CAPACITY : 60 KG/PAIR
CODE : 9006





Concealed Hinge Large - 100mm

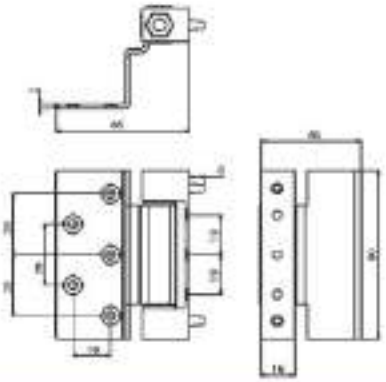
WEIGHT CAPACITY : 80 KG/PAIR
CODE : 9007





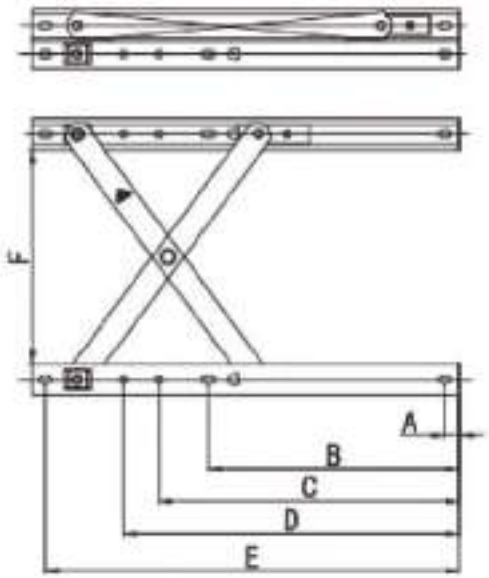
L Hinge

WEIGHT CAPACITY : 40 KG/PAIR
CODE : 9008







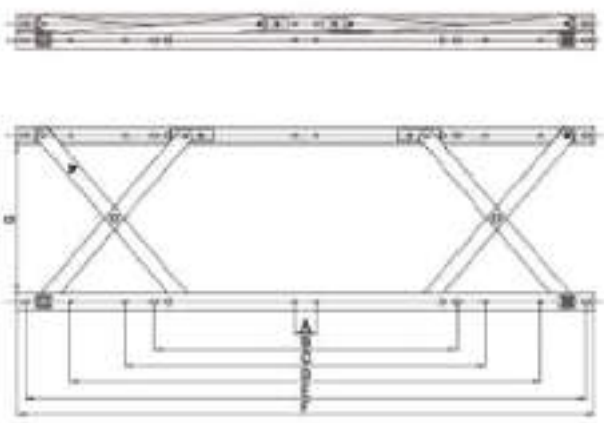




Installatin Size (mm)									
ITEM	A	B	C	D	E	F	G	I	H
4012P	10	176	211	235.5	290.5	150	44	22	18-20
4014P	10	184	219	285.5	340.5	180	44	22	18-20
4016P	10	164	199	335.5	390.5	180	44	22	18-20
4018P	10	154	189	365.5	440.5	180	44	22	18-20
4020P	10	144	179	435.5	490.5	180	44	22	18-20

Note : Max Window Height: 700mm
Max Window Width : 1000mm
Max Window weight: 40kgs





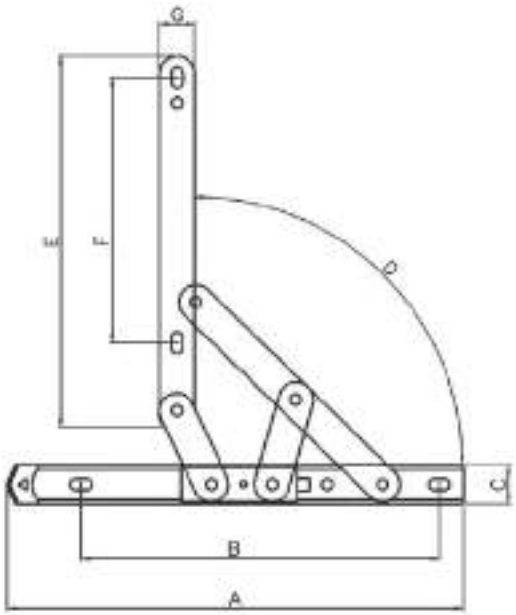


Installatin Size (mm)									
ITEM	A	B	C	D	E	F	G	I	H
4024P	25	354	424	471	580	600	150	22	18-20
4028P	25	368	438	571	681	700	180	22	18-20
4032P	25	328	398	671	781	800	180	22	18-20







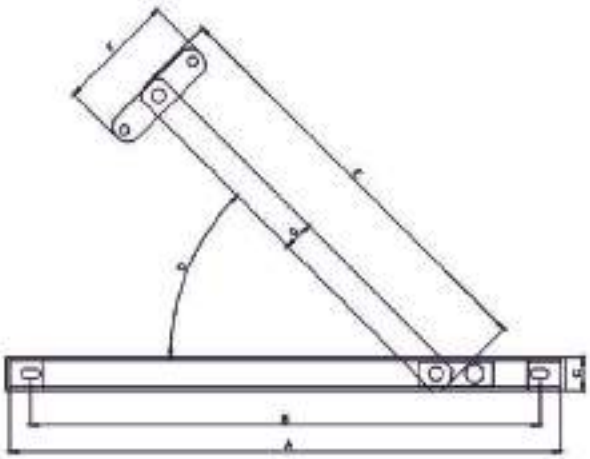


Code	Size (A)		(B)	Frame Width (C)	Opening Degree (D)	(E)	(F)	(G)	Thickness	Wt Capacity	Stack Height
4008	8"	209	165	18MM	80°	170	120	15.5	2.0	15	15MM
4010	10"	268	225	18MM	90°	204	155	15.5	2.0/2.5	17	15MM
4012	12"	311	267	18MM	90°	226	175	15.5	2.0/2.5	20	15MM
4014	14"	365	318	18MM	90°	258	210	15.5	2.0/2.5	24	15MM
4016	16"	405	357	18MM	90°	258	210	15.5	2.5	26	15MM
4018	18"	457	412	18MM	90°	258	210	15.5	2.5	29	15MM
4020	20"	503	460	18MM	85°	355	310	15.5	3.0	35	15MM
4024	24"	602	560	18MM	85°	380	335	15.5	3.0	43	15MM





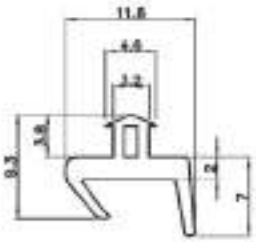




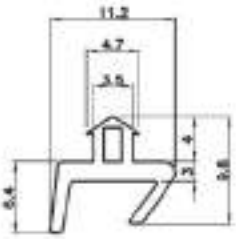
SIZE	A	B	FRAME WITH (C)	OPENING DEGREE (D)	E	F	G	THICKNESS	STACK HEIGHT
8"	203	180	18.5	90*	132.5	64	16	2	15
10"	254	230	18.5	90*	184	64	16	2	15
12"	305	282	18.5	90*	228	64	16	2	15
14"	356	335	18.5	90*	284	64	16	2	15

NOTE : ALL SIZE IN MM

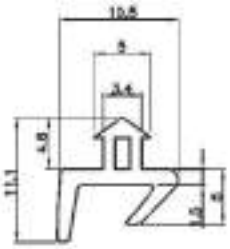




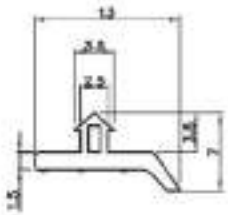
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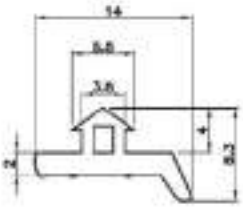
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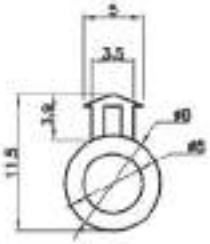
CODE : 1402



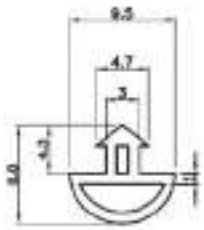
CODE : 1403



CODE : 1404



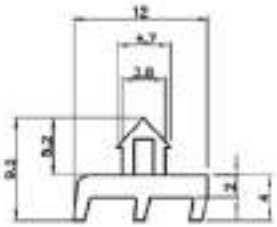
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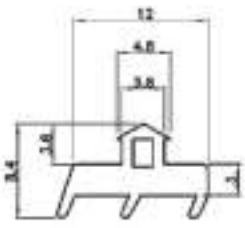
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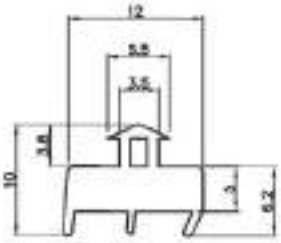
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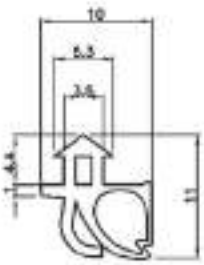
CODE : 1419



CODE : 1420



CODE : 1421

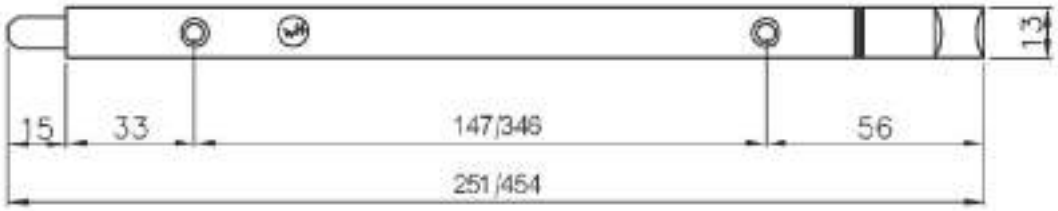


CODE : 1422



Shoot Bolt For Door (Powder Coated) 9.5"/18" Length

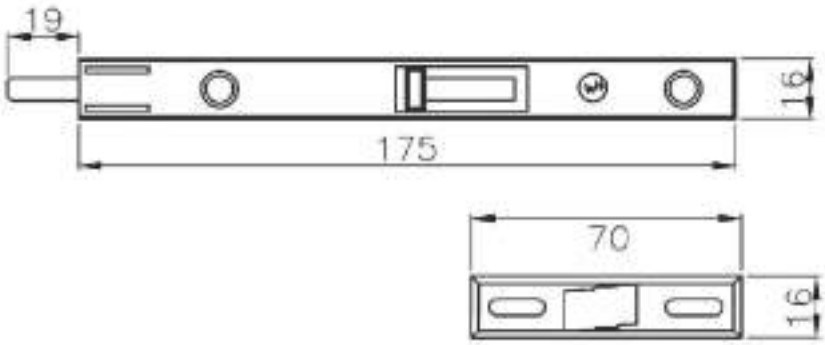
CODE : 2803 / 2803B





Shoot Bolt For Door (Zinc Coated)

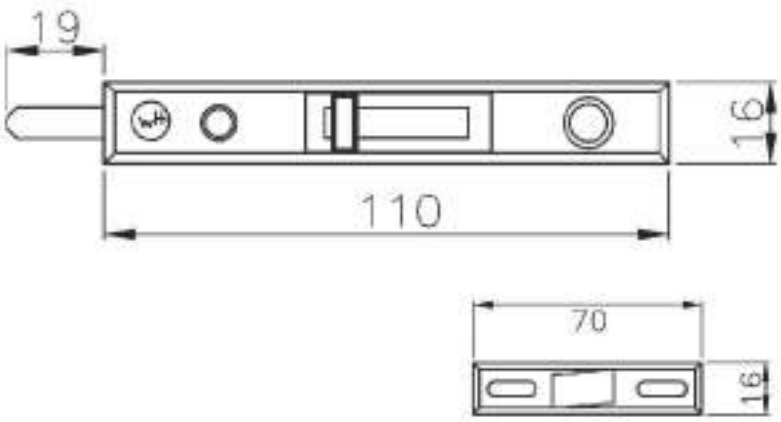
CODE : 2805





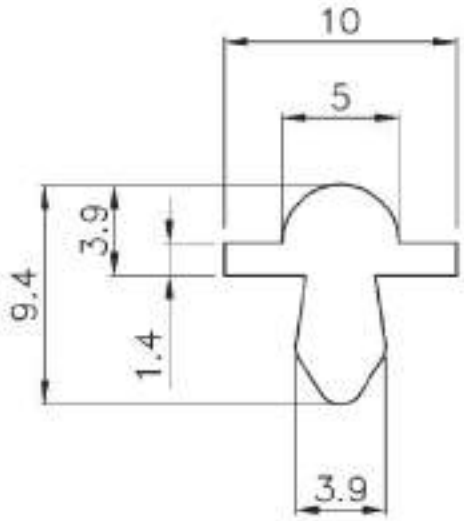
Shoot Bolt For Window (Zinc Coated) 5" Length

CODE : 2806

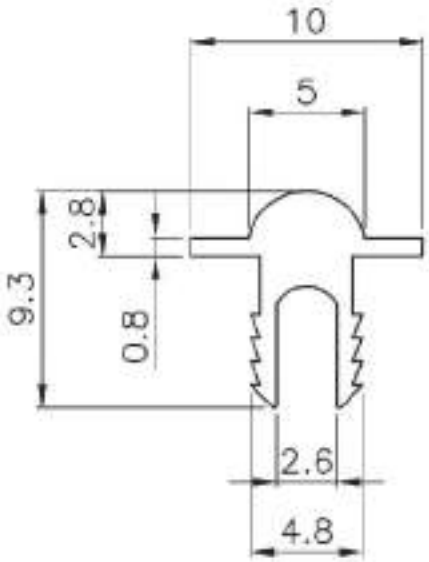




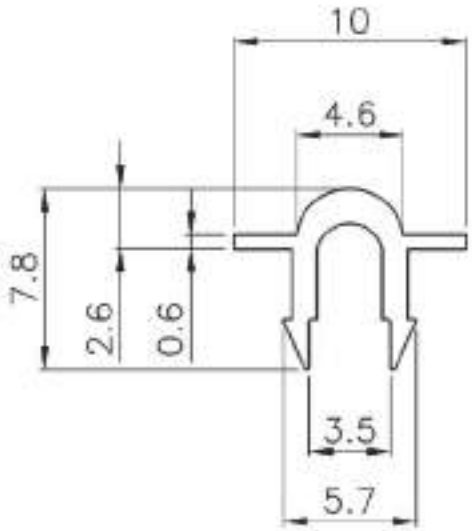




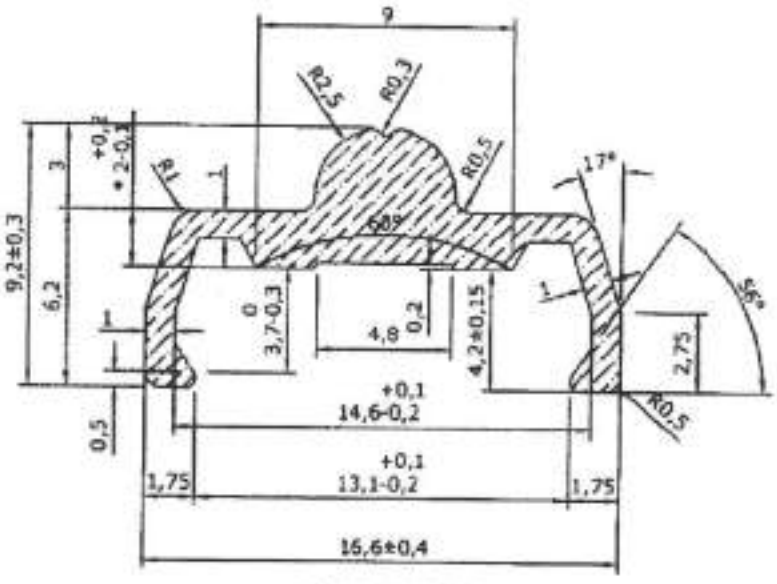
SOLID



SEMI SOLID



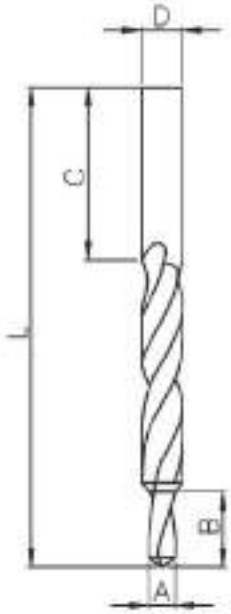
HALLOW



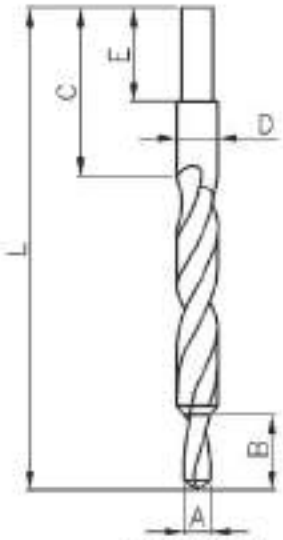
NON HALLOW

Drill Bit 8/13mm (8x13x150)

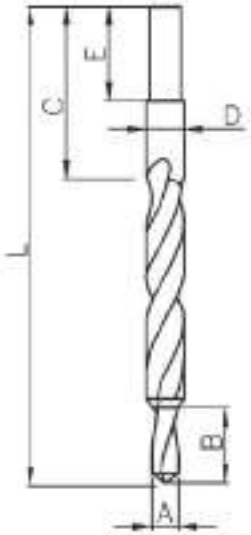




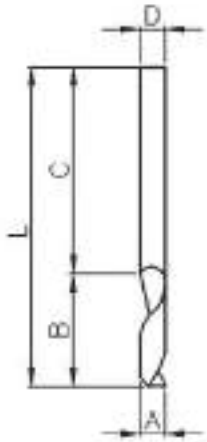
CODE:2816



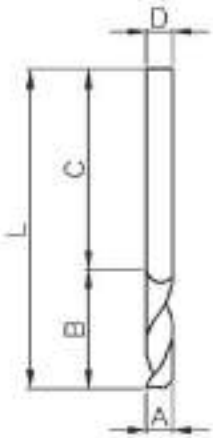
CODE:2816A



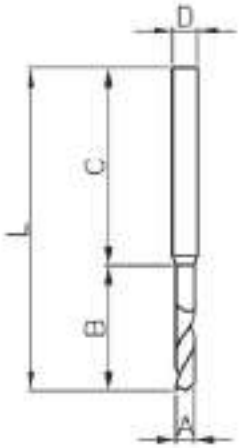
CODE:2816C



CODE:2817



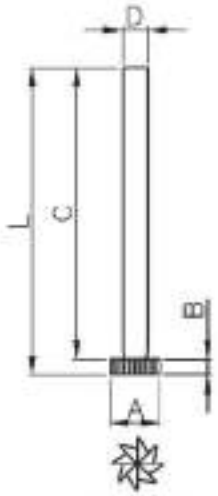
CODE:2818



CODE:2818B



CODE:2819



CODE:2820

Code	Size (A)	(B)	Frame Width (C)	L	A	B	C	D	E
2816	Drill Bit 8/13mm (8x13x150)			150	8	24	55	13	-
2816A	Step Drill Bit 8/13mm (8x12x150)			150	8	24	54	13	30
2816C	Step Drill Bit 8/12mm (8x12x150)			150	8	24	54	12	30
2817	Routing Bit 6mm (6x100)			100	6	32	68	6	-
2818	Routing Bit 8mm (8x100)			100	8	34	66	8	-
2818B	Routing Bit 8mm Step (8x100)			100	6	40	60	8	-
2819	Drainage bit (6x75)			75	4	25	45	6	-
2820	Star Water Slot Bit			100	16	5	95	8	-



Frame Fixing Fasteners : 8x60
Frame Fixing Fasteners : 8x80
Frame Fixing Fasteners : 8x100
Frame Fixing Fasteners : 10x100
Frame Fixing Fasteners : 10x120
Frame Fixing Fasteners : 10x140
Frame Fixing Fasteners : 10x160



CSK Self Drilling Screws 3.9x13
CSK Self Drilling Screws 3.9x16
CSK Self Drilling Screws 3.9x19
CSK Self Drilling Screws 3.9x25
CSK Self Drilling Screws 3.9x32
CSK Self Drilling Screws 3.9x38
CSK Self Drilling Screws 4.2x50
CSK Self Drilling Screws 4.2x60
CSK Self Drilling Screws 4.2x75



PAN Head Self Drilling Screws 4x16
PAN Head Self Drilling Screws 4x19
PAN Head Self Drilling Screws 4x25
PAN Head Self Drilling Screws 4x32
PAN Head Self Drilling Screws 4x38
PAN Head Self Drilling Screws 4x50
PAN Head Self Drilling Screws 4x60
PAN Head Self Drilling Screws 4x75



CSK Self Tapping Screws 3.9x13
CSK Self Tapping Screws 3.9x16
CSK Self Tapping Screws 3.9x19
CSK Self Tapping Screws 3.9x25
CSK Self Tapping Screws 3.9x32
CSK Self Tapping Screws 3.9x38
CSK Self Tapping Screws 4.2x50
CSK Self Tapping Screws 4.2x60
CSK Self Tapping Screws 4.2x75



PAN Head Self Tapping Screws 4x13
PAN Head Self Tapping Screws 4x16
PAN Head Self Tapping Screws 4x19
PAN Head Self Tapping Screws 4x25
PAN Head Self Tapping Screws 4x32
PAN Head Self Tapping Screws 4x38
PAN Head Self Tapping Screws 4x50
PAN Head Self Tapping Screws 4x60
PAN Head Self Tapping Screws 4x75

SS Mesh



SS Mesh (0.25mm)	2.5x50 (125 Feet)
SS Mesh (0.25mm)	3.0x50 (150 Feet)
SS Mesh (0.25mm)	3.5x50 (175 Feet)
SS Mesh (0.25mm)	4.0x50 (200 Feet)
SS Mesh (0.25mm)	5.0x50 (250 Feet)
SS Mesh (0.19mm)	3.0x100 (300 Feet)
SS Mesh (0.19mm)	4.0x100 (400 Feet)
SS Mesh (0.19mm)	5.0x100 (500 Feet)

Aluminium Mesh



Aluminium Mesh	2.5x100 (250 Feet)
Aluminium Mesh	3.0x 100 (300 Feet)
Aluminium Mesh	3.5x100 (350 Feet)
Aluminium Mesh	4.0x100 (400 Feet)
Aluminium Mesh	5.0x100 (500 Feet)
Aluminium Mesh	14x14 - 3.0x100 (300 Feet)
Aluminium Mesh	14x14 - 4.0x100 (400 Feet)
Aluminium Mesh	14x14 - 5.0x100 (500 Feet)
Aluminium Mesh Black	18x16 - 3.0x100 (300 Feet)
Aluminium Mesh Black	18x16 - 4.0x100 (400 Feet)
Aluminium Mesh Black	18x16 - 5.0x100 (500 Feet)

Nylon Mesh



Nylon Mesh	3.0x100 (300 Feet)
Nylon Mesh	4.0x100 (400 Feet)
Nylon Mesh	5.0x100 (500 Feet)



Corner Cleaning Machine

CODE : 8801



Internal Cleaning (Inner) Machine

CODE : 8802



External Cleaning (Outer) Machine

CODE : 8803



Water Slot Hand Tool 45°

CODE : 8804



Water Slot Hand Tool 0°

CODE : 8805



Water Slot Hand Tool 90°

CODE : 8808



Portable Welding Machine

CODE : 8806



Top & Bottom Cleaning Tool

CODE : 8807



Interlock Punching Tool

CODE : 8809



Gasket Mesh Tool

CODE : 2837



Moon Knife

CODE : 2846



Air Block Gun

CODE : 2850



Digital Measuring Meter

CODE : 2857



V Cutter

CODE : 2863



Angle Cutter

CODE : 2864



Thermocouple

CODE : 2865



Corner Cleaning Hand Tool

CODE : 2868



Heating Plate

CODE : 9999

Touch Pens

CODE : 2410





(Available in five colours)







Fastner Cap

CODE : 2301



Window Spacer

CODE : 2308



Door Spacer

CODE : 2309



Fixed Louvers

CODE : 2315



Bump Stopper

CODE : 2320



Anti lift Block

CODE : 2325



U Packers

CODE : 2329



Glass Packer

CODE : 2338



Mesh Stopper

CODE : 2351



Bump Stopper Small

CODE : 2020S



Sash Stopper

CODE : 2318



Cavity Lift Block

CODE : 2342

Drainage Cap

CODE : 2305



I Type Mesh Handle

CODE : 2344



Antilift Block - L Type

CODE : 2352



Movable Louvers

CODE : 2859



Casement Wedge

CODE : 2311



Sliding Sash Stopper

CODE : 2345

Test Certificates

WINDSEAL
HARDWARE | TOOLS | ACCESSORIES



JYOTHI ANALYTICAL SERVICES

TEST REPORT



KARNATAKA TEST HOUSE PVT. LTD.

MATERIAL TESTING LABORATORY

CHEMICAL TEST REPORT ON STEEL

Sl. No	Chemical Contents	Results	Max. Limits as per Specification of ASTM A276/A276 M-17	Test method Reference
1.	Carbon (C) %	0.027	0.080	
2.	Manganese (Mn) %	1.209	2.00	
3.	Silicon (Si) %	0.397	1.00	
4.	Sulphur (S) %	0.023	0.030	
5.	Phosphor (P) %	0.035	0.045	
6.	Chromium (Cr) %	18.2 8	16.00-20.00	
7.	Nickel (Ni) %	8.481	8.00-11.00	

* As Detailed by the Customer

For KARNATAKA TEST HOUSE PVT. LTD.

Verified & Approved by
(MANOJ L.S. B)
TECHNICAL MANAGER



JYOTHI ANALYTICAL SERVICES

TEST REPORT



JYOTHI ANALYTICAL SERVICES

TEST REPORT

WINDSEAL

HARDWARE | TOOLS | ACCESSORIES

FACTORY

Sy. No. 276/A, Opp. Shikhara School, Bowrampet Village, Dundigal, Gandimaisamma, Medchal Malkajgiri, Hyderabad, Telangana - 500043.

HEAD OFFICE

Prime Kasani, G2, SY. No. 220, Nizampet Road, Bachupally, Hyderabad 500090, Telangana

86883 07592 | 86883 07594 windsealhardware@gmail.com www.windsealhardware.com

BRANCHES

Hyderabad : Plot No. 89/A, H.No:5-5-1078,
Bank Colony, Chintalakunta,
L B Nagar, Hyderabad-500 068
Ph : 86883 07593

Bengaluru : Sy.no.90/2, Kogillu Village, Yelahanka,
Bengaluru, Karnataka, 560064
Ph : 86888 17905 | 81210 32362

Kolkata : Unit No. G01, Ground Floor, EIWC,
Vidya Complex, Naity Road, Basai,
P.O. Kanaipur, P.S. Uttarpara, Dist. Hooghly,
West Bengal - 712234
Ph : 9154216274 / 8688817910

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