



QUICK ASSEMBLY HINGE WITH FAIL-SAFE CLIP
FOR HEAVY-DUTY USE.
MINIMUM DRILLING DEPTH: 10.5 MM.
ADJUSTMENT BY ECCENTRIC.

“MESUCO 14” rapid

Ø35 CUP HINGE. QUICK ASSEMBLY.
ASSEMBLY WITH FAIL-SAFE CLIP, HEAVY-DUTY.

"MESUCO 14" rapid

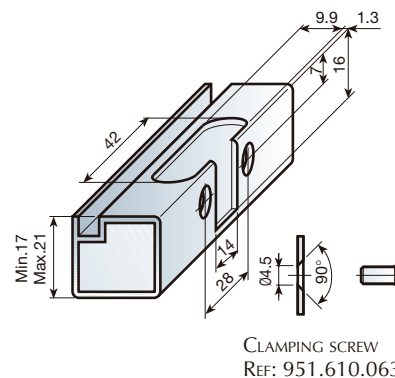
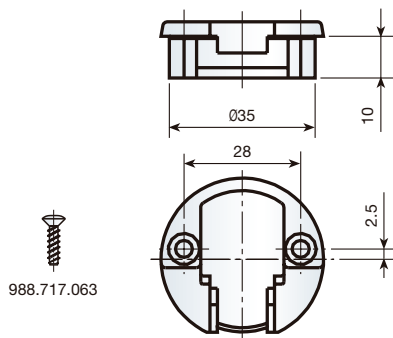
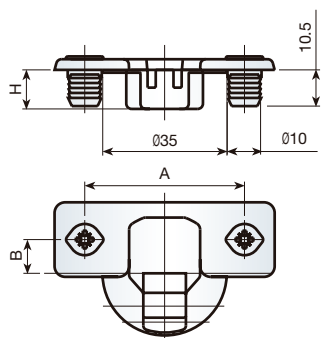
Ø35 CUP HINGE. QUICK ASSEMBLY.

QUICK ASSEMBLY HINGE WITH FAIL-SAFE CLIP
FOR HEAVY-DUTY USE. MINIMUM DRILLING DEPTH: 10.5 MM.
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1 HINGE GROUP


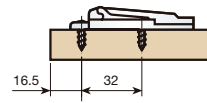

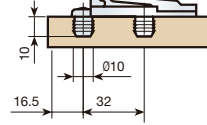

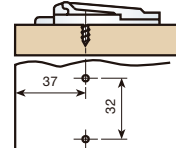

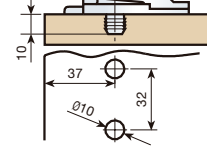

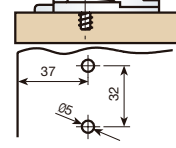

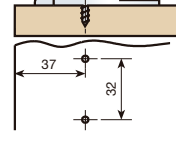
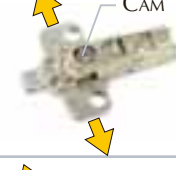
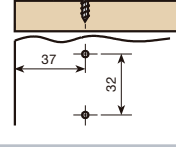
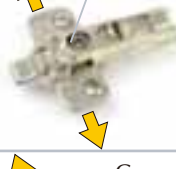
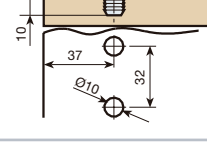

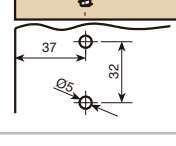


		0 mm		6 mm		10mm		17mm	
α = OPENING ANGLE H = CUP DEPTH (MM.)		NICKEL							
		A: 48 , B: 6		A: 45 , B: 9.5		A: 52 , B: 5.5			
		SCREW-FIXED	WITH DOWELS C:Ø10	SCREW-FIXED	WITH DOWELS C:Ø8	SCREW-FIXED	WITH DOWELS C:Ø10		
	$\alpha = 0^\circ \div 110^\circ$ H = 10.5	0 MM.	040.040.125	040.041.120	040.060.926	040.069.923	040.070.925	040.071.920	
		5 MM.	047.140.122	047.141.124	047.160.923	047.169.920	047.170.922	047.171.924	
		10 MM.	041.040.123	041.041.125	041.060.924	041.069.921	041.070.923	041.071.925	
		17 MM.	042.140.125	042.141.120	042.160.926	042.169.923	042.170.925	042.171.920	
	LARGE DISPLACEMENT $\alpha = 0^\circ \div 95^\circ$ H = 12.5	0 MM.	040.020.013	040.021.015	040.060.016	040.069.013	040.070.015	040.071.010	
		10 MM.	041.020.011	041.021.013	041.060.014	041.069.011	041.070.013	041.071.015	
		17 MM.	042.120.013	042.121.015	042.160.016	042.169.013	042.170.015	042.171.010	
	$\alpha = 0^\circ \div 172^\circ$ H = 10.5	0 MM.	040.020.046	040.021.041	040.060.042	040.069.046	040.070.041	040.071.043	
		10 MM.	041.020.040	041.021.046	041.060.040	041.069.044	041.070.046	041.071.041	
	$\alpha = 45^\circ \div 155^\circ$ H = 10.5	0 MM.	044.020.126	044.021.121	044.060.122	044.069.126	044.070.121	044.071.123	
	$\alpha = 90^\circ \div 200^\circ$ H = 10.5	0 MM.	043.020.121	043.021.123	043.060.124	043.069.121	043.070.123	043.071.125	
		10 MM.	046.120.126	046.121.121	046.160.122	046.169.126	046.170.121	046.171.123	



NICKEL

A:48 , B:6	A:45 , B:9.5	A:52 , B:5.5	GLASS DOOR HINGE Ø35	HINGE FOR ALUMINIUM FRAMES
EXPAND	EXPAND	EXPAND		
040.043.124	040.063.925	040.073.924	040.030.023	090.100.301
047.143.121	047.163.922	047.173.921	047.130.020	090.100.500
041.043.122	041.063.923	041.073.922	041.030.021	090.100.511
042.143.124	042.163.925	042.173.924	042.130.023	090.100.430
040.023.045	040.063.041	040.073.040		
041.023.043	041.063.046	041.073.045		
044.023.125	044.063.121	044.073.120		
043.023.120	043.063.123	043.073.122		
046.123.125	046.163.121	046.173.120		

2 MOUNTING PLATES

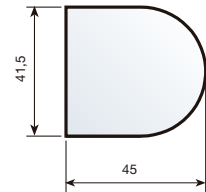
HEIGHT IN MM.			2	4	7	9
		SCREW-FIXED	NICKEL-PLATED ZAMAK	083.001.111	083.001.214	083.001.310
		KNOCK-IN	NICKEL-PLATED ZAMAK	083.101.115	083.101.211	083.101.314
		SCREW-FIXED	NICKEL-PLATED ZAMAK	083.203.116	083.203.212	083.203.315
		KNOCK-IN	NICKEL-PLATED ZAMAK	083.303.113	083.303.216	083.303.312
		PRE-MOUNTED EUROSREW	NICKEL-PLATED ZAMAK	083.603.111	083.603.214	083.603.310
		SCREW-FIXED (WITH CENTERER)	NICKEL-PLATED ZAMAK	083.503.114		
		SCREW-FIXED	NICKEL-PLATED ZAMAK	083.201.112	083.201.215	083.201.414
		KNOCK-IN	NICKEL-PLATED ZAMAK	083.301.116	083.301.212	083.301.411
		PRE-MOUNTED EUROSREW	NICKEL-PLATED ZAMAK	083.601.114	083.601.210	083.601.416
	EURO-SCREW H = 11 - REF.: 951.211.063 H = 13 - REF.: 951.213.060 (STANDARD)					
					3 ADJUSTMENTS	

3 COVERS

GLASS DOOR COVERS

COVER

NYLON	SILVER-POLISH	351.700.226
NYLON	GOLD-POLISH	351.700.230
NYLON	BLACK	351.700.252



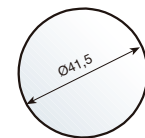
ADAPTOR

NYLON	351.710.004
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COVER

NYLON	SILVER-POLISH	351.900.220
NYLON	GOLD-POLISH	351.900.231
NYLON	BLACK	351.900.253



ADAPTOR

NYLON	351.910.005
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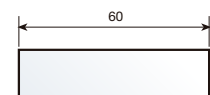
O-RING

NYLON	WHITE	351.110.001
NYLON	BROWN	351.111.003
NYLON	BLACK	351.112.005



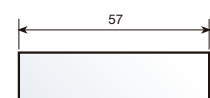
HINGE ARM COVER

NYLON	BLACK	302.030.024
NYLON	WHITE	302.030.002
NYLON	BROWN	302.030.013
ZAMAK	NICKEL	302.030.061



COVER FOR HALF OVERLAY AND PARTIAL OVERLAY HINGES.

NYLON	BLACK	302.040.023
NYLON	WHITE	302.040.001
NYLON	BROWN	302.040.012



4 TECHNICAL DATA

"MESUCO 14" RAPID: OPENING 110°

Full overlay

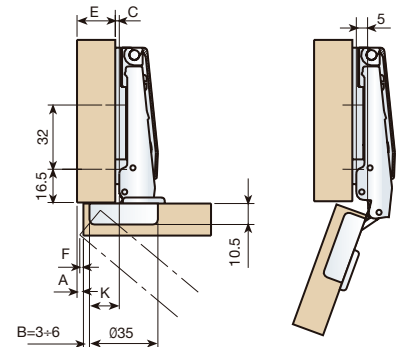


CALCULATION OF THE HEIGHT OF THE PLATE

K = 15
B = 3
A = 2
E = 16
C ?

$C = K + A + B - E$
 $C = 15 + 2 + 3 - 16$
C = 4mm

K = CONSTANT = 15MM



Partial overlay

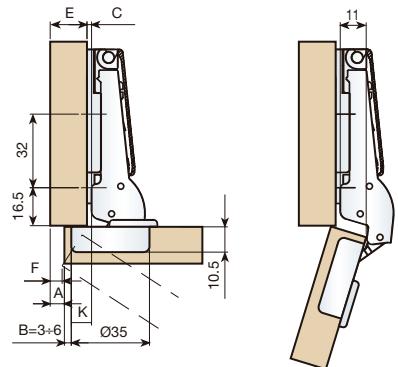


CALCULATION OF THE HEIGHT OF THE PLATE

K = 9
B = 4
A = 5
E = 16
C ?

$C = K + A + B - E$
 $C = 9 + 5 + 4 - 16$
C = 2mm

K = CONSTANCE = 9MM



Half overlay

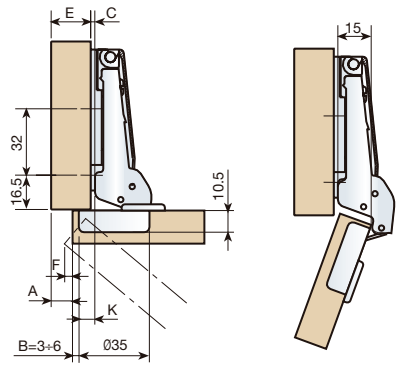


CALCULATION OF THE HEIGHT OF THE PLATE

K = 5
B = 3
A = 10
E = 16
C ?

$C = K + A + B - E$
 $C = 5 + 10 + 3 - 16$
C = 2mm

K = CONSTANT = 5MM



Full inset

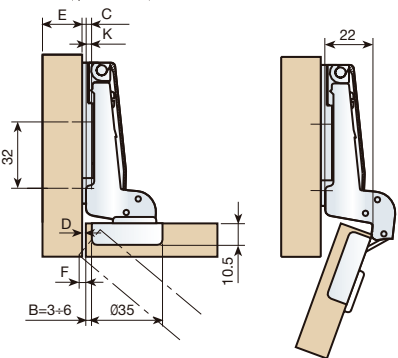


CALCULATION OF THE HEIGHT OF THE PLATE

K = -2
B = 5
D = 1
C ?

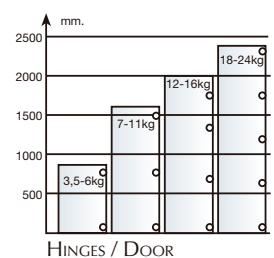
$C = D + B + K$
 $C = 1 + 5 - 2$
C = 4mm

K = CONSTANT = -2MM



LATERAL DOOR DISPLACEMENT (F).

MM	DOOR THICKNESS									
B	16	17	18	19	20	21	22	23	24	
3	0,9	1,2	1,6	2	2,5	3,1	3,8	4,5	5,3	
4	0,8	1,1	1,5	1,9	2,4	2,9	3,5	4,2	4,9	
5	0,8	1,1	1,4	1,8	2,3	2,8	3,3	3,9	4,6	
6	0,7	1	1,4	1,7	2,2	2,6	3,1	3,7	4,4	

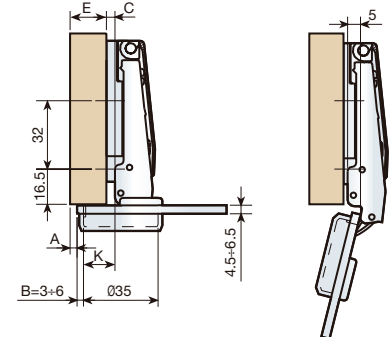


■ "MESUCO 14" RAPID: OPENING 110° GLASS DOOR HINGE

Full overlay



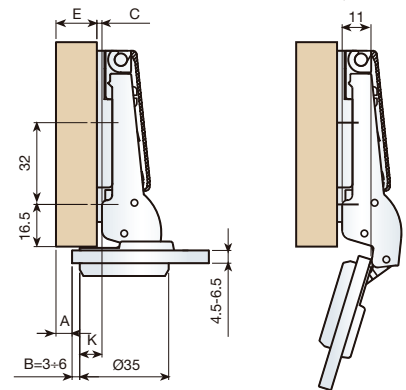
CALCULATION OF THE HEIGHT OF THE PLATE
 $K = 15$
 $B = 3$
 $A = 2$
 $E = 16$
 $C ?$
 $C = K + A + B - E$
 $C = 15 + 2 + 3 - 16$
 $C = 4 \text{mm}$
 $K = \text{CONSTANT} = 15 \text{MM}$



Partial overlay



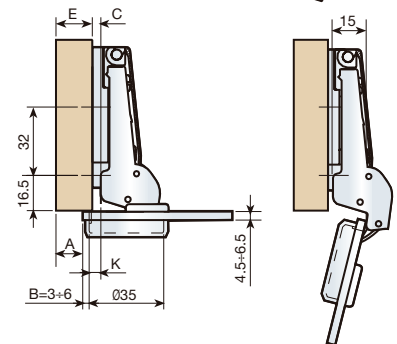
CALCULATION OF THE HEIGHT OF THE PLATE
 $K = 9$
 $B = 3$
 $A = 6$
 $E = 16$
 $C ?$
 $C = K + A + B - E$
 $C = 9 + 6 + 3 - 16$
 $C = 2 \text{mm}$
 $K = \text{CONSTANT} = 9 \text{MM}$



Half overlay



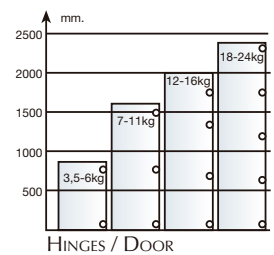
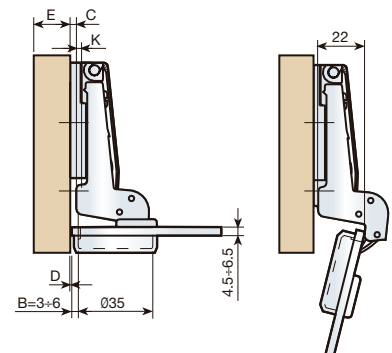
CALCULATION OF THE HEIGHT OF THE PLATE
 $K = 5$
 $B = 3$
 $A = 10$
 $E = 16$
 $C ?$
 $C = K + A + B - E$
 $C = 5 + 10 + 3 - 16$
 $C = 2 \text{mm}$
 $K = \text{CONSTANT} = 5 \text{MM}$



Full inset



CALCULATION OF THE HEIGHT OF THE PLATE
 $K = -2$
 $B = 3$
 $D = 1$
 $C ?$
 $C = D + B + K$
 $C = 1 + 3 - 2$
 $C = 2 \text{mm}$
 $K = \text{CONSTANT} = -2 \text{MM}$

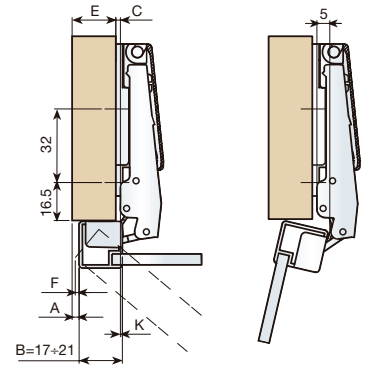


"MESUCO 14" RAPID: OPENING 110° HINGE FOR ALUMINIUM FRAMES

Full overlay



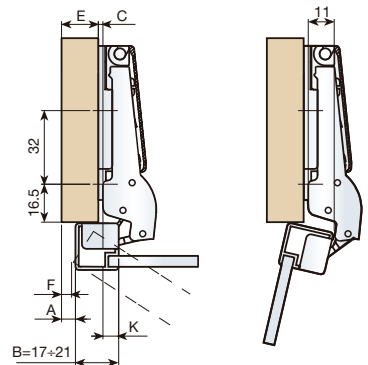
CALCULATION OF THE HEIGHT OF THE PLATE
K = 1
B = 19
A = 2
E = 16
C ?
 $C = A+B-E-K$
 $C = 2+19-16-1$
C = 4MM
K = CONSTANT = 1MM



Partial overlay



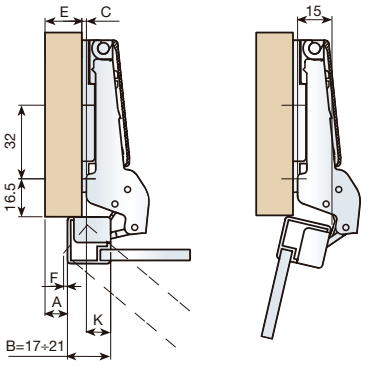
CALCULATION OF THE HEIGHT OF THE PLATE
K = 7
B = 19
A = 8
E = 16
C ?
 $C = A+B-E-K$
 $C = 8+19-16-7$
C = 4MM
K = CONSTANT = 7MM



Half overlay



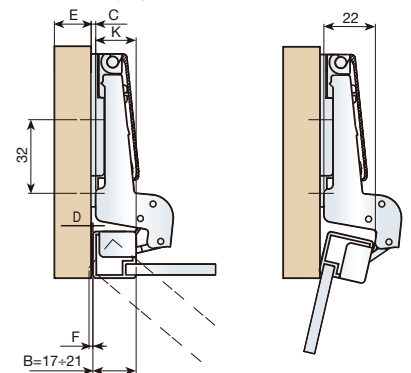
CALCULATION OF THE HEIGHT OF THE PLATE
K = 11
B = 20
A = 9
E = 16
C ?
 $C = A+B-E-K$
 $C = 9+20-16-11$
C = 2MM
K = CONSTANT = 11MM



Full inset

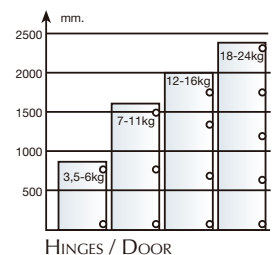


CALCULATION OF THE HEIGHT OF THE PLATE
K = 18
B = 19
D = 1
C ?
 $C = D+B-K$
 $C = 1+19-18$
C = 2MM
K = CONSTANT = 18MM



LATERAL DOOR DISPLACEMENT (F).

MM	DOOR THICKNESS									
	B	16	17	18	19	20	21	22	23	24
17		1,1	1,5	1,9	2,4	3	3,7	4,5	5,3	6,2
18		1,1	1,4	1,8	2,3	2,8	3,4	4,1	4,9	5,7
19		1	1,4	1,7	2,1	2,6	3,2	3,8	4,5	5,3
20		1	1,3	1,6	2	2,5	3	3,6	4,2	5
21		0,9	1,2	1,6	2	2,4	2,9	3,4	4	4,7

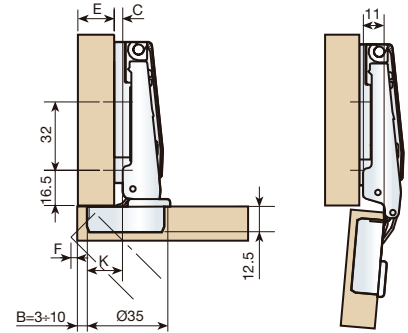


■ "MESUCO 14" RAPID: OPENING 95° LARGE DISPLACEMENT

Full overlay



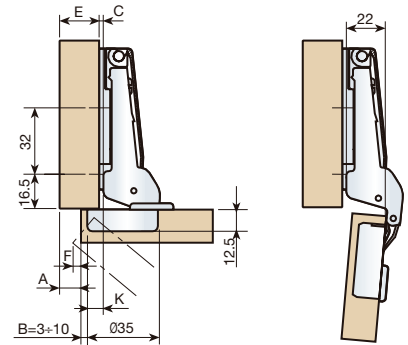
CALCULATION OF THE HEIGHT OF THE PLATE	
K	15
B	3
A	0
E	16
C	?
C = K+A+B-E	
C = 15+0+3-16	
C = 2MM	
K = CONSTANT = 15MM	



Half overlay



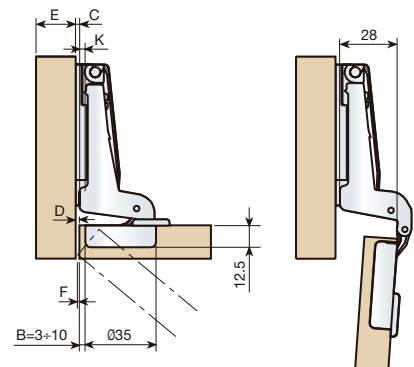
CALCULATION OF THE HEIGHT OF THE PLATE	
K	5
B	4
A	11
E	16
C	?
C = K+A+B-E	
C = 5+11+4-16	
C = 4MM	
K = CONSTANT = 5MM	



Full inset

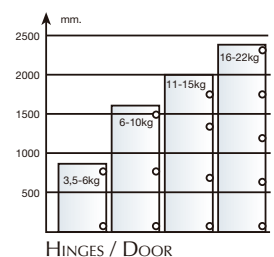


CALCULATION OF THE HEIGHT OF THE PLATE	
K	-2
B	3
D	1
C	?
C = D+B+K	
C = 1+3-2	
C = 2MM	
K = CONSTANT = -2MM	



LATERAL DOOR DISPLACEMENT (F).

MM	DOOR THICKNESS									
	B	16	18	20	22	25	28	30	32	35
3	0	0	0,2	0,4	0,9	1,5	3	4,5	6,4	
4	0	0	0,15	0,35	0,85	1,45	2,5	4,5	5,8	
5	0	0	0,1	0,3	0,8	1,4	2	4,2	5,2	
6	0	0	0,1	0,25	0,75	1,35	1,9	4	5,1	
8	0	0	0	0,2	0,7	1,3	1,8	3,8	5	
10	0	0	0	0,2	0,7	1,3	1,8	3,6	5	



HINGES / DOOR

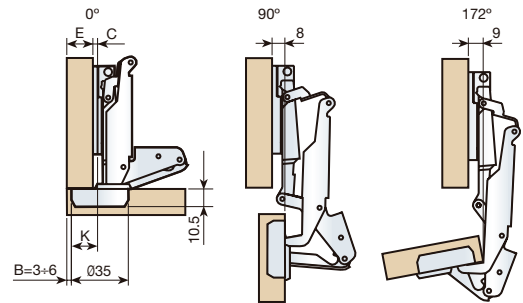
■ "MESUCO 14" RAPID: OPENING 172°

Full overlay



CALCULATION OF THE HEIGHT OF THE PLATE

K = 15
A = 0
B = 3
E = 16
C ?
C = K+A+B-E
C = 15+0+3-16
C = 2MM
K = CONSTANT = 15MM

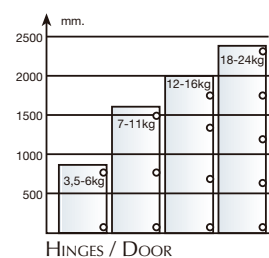
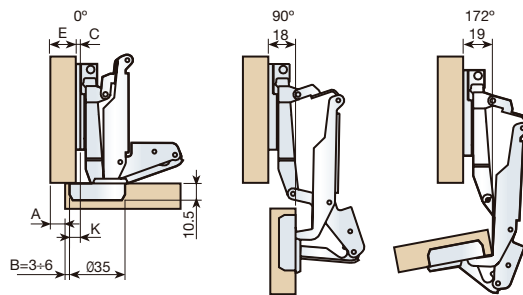


Half overlay

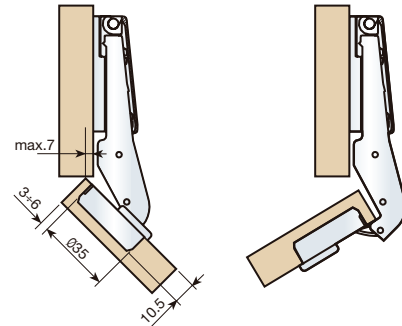


CALCULATION OF THE HEIGHT OF THE PLATE

K = 5
A = 9
B = 4
E = 16
C ?
C = K+A+B-E
C = 5+9+4-16
C = 2MM
K = CONSTANT = 5MM

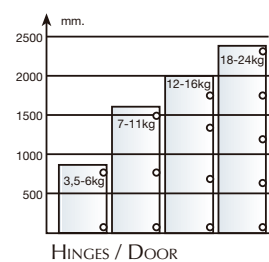


■ "MESUCO 14" RAPID: OPENING 45° ÷ 155°



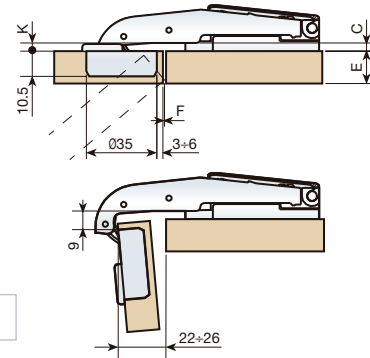
LATERAL DOOR DISPLACEMENT (F).

MM	DOOR THICKNESS									
	B	16	17	18	19	20	21	22	23	24
3		0,9	1,2	1,6	2	2,5	3,1	3,8	4,5	5,3
4		0,8	1,1	1,5	1,9	2,4	2,9	3,5	4,2	4,9
5		0,8	1,1	1,4	1,8	2,3	2,8	3,3	3,9	4,6
6		0,7	1	1,4	1,7	2,2	2,6	3,1	3,7	4,4



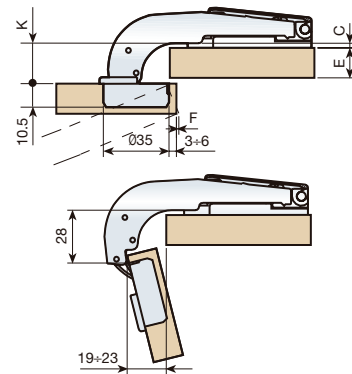
■ "MESUCO 14" RAPID: OPENING 90° ÷ 200°

Full overlay



K = CONSTANT = 2MM

Half overlay



K = CONSTANT = 21,5MM

LATERAL DOOR DISPLACEMENT (F).

MM	DOOR THICKNESS									
	B	16	17	18	19	20	21	22	23	24
3		0,9	1,2	1,6	2	2,5	3,1	3,8	4,5	5,3
4		0,8	1,1	1,5	1,9	2,4	2,9	3,5	4,2	4,9
5		0,8	1,1	1,4	1,8	2,3	2,8	3,3	3,9	4,6
6		0,7	1	1,4	1,7	2,2	2,6	3,1	3,7	4,4

