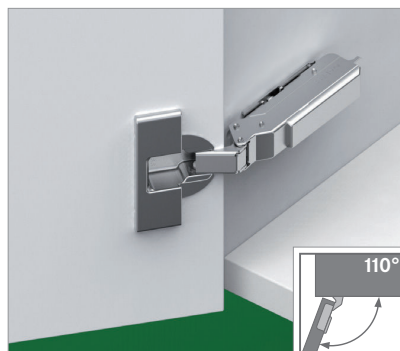


# TIOMOS 110

Balama 110° (grosimi ale usii de pana la 24 mm)



- Unghi de deschidere de 110°
- Rost minim pentru grosimi ale usii de pana la 24 mm
- Reglarea adâncimii usoara prin angrenajul cu melc
- Ajustare pe 3 directii cu placuta de montaj potrivita

#### Disponibil in 3 versiuni:

- Cu amortizor integrat (ajustabil pe 3 nivele de amortizare)
- Fara amortizor integrat
- Fara mecanism de autoinchidere (fara arc)

## INFORMATII COMANDA PENTRU SABLONUL DE GAURIRE 45/9.5

Suprapunere usa	Umar	Amortizor		Fara arc	Articol nr.			
		cu	fara		Click-on			Impreso fara scule
					Prin insurubare	Prin presare	Rapida <sup>3</sup>	
Aplicata complet <sup>1</sup>	0	■	-	-	F028 1385 19	F028 1385 23	F022 1400 90	F017 1393 29
		-	■	-	F045 1384 57	F045 1384 61	F039 1400 30	F034 1393 00
		-	■	■	F046 1385 79	-	-	F035 1393 57
Aplicata <sup>1</sup>	3	■	-	-	F028 1385 20	F028 1385 24	F022 1400 91	F017 1393 30
		-	■	-	F045 1384 58	F045 1384 62	F039 1400 31	F034 1393 01
		-	■	■	F046 1385 80	-	-	F035 1393 58
Semiaplicata <sup>2</sup>	9.5	■	-	-	F028 1385 21	F028 1385 25	F022 1400 92	F017 1393 31
		-	■	-	F045 1384 59	F045 1384 63	F039 1400 32	F034 1393 02
		-	■	■	F046 1385 81	-	-	F035 1393 59
Incadrata <sup>2</sup>	19	■	-	-	F028 1385 22	F028 1385 26	F022 1400 93	F017 1393 32
		-	■	-	F045 1384 60	F045 1384 64	F039 1400 33	F034 1393 03
		-	■	■	F046 1385 82	-	-	F035 1393 60

<sup>1</sup> Material cupa: otel nichelat / Material brat: otel nichelat

<sup>2</sup> Material cupa: otel nichelat / Material brat: Zamak, otel nichelat

<sup>3</sup> Sabloane gaurire aditionale , pentru unghiuri de deschidere 95° / 110° / 120° / 160° si aplicatii unghiuri la cerere.

## CAPACE MASCARE

	Denumire	Umar	Imprimat/Embosat	Articol nr.
	Capac brat balama , otel nichelat, neimprimat	0/3/9.5/19	La cerere	F072 1355 00
	Capac brat balama ,dreapta, otel nichelat, imprimat GRASS	0/3/9.5/19	Logo GRASS	F072 1355 50
	Capac brat balama ,stanga, otel nichelat, imprimat GRASS	0/3/9.5/19	Logo GRASS	F072 1355 51
	Capac brat balama , otel nichelat, lung, neimprimat	0/3	La cerere	F072 1355 04
	Capac cupa balama , otel nichelat, lung, neimprimat	0/3/9.5/19	-	F072 1355 03

## ACCESORII

	Denumire	Articol nr.		Denumire	Articol nr.
	Reductor unghi pana la 85°	F072 1357 51		Holtzsurub cap inecat Ø 3.5 x 15 mm	F146073976
	Tipmatic Pin pentru rame din aluminiu si lemn	F069135396		Dispozitiv de siguranta	F072 1358 07

Tiomos placute de montaj	102	Tipmatic	308	Scule necesare pentru montaj	364
Accesorii	112	Informatii tehnice	116		

COTE MONTAJ

Toate dimensiunile sunt in milimetri

Aplicata complet	K0	Aplicata	K3	Semiaplicata	K9.5	Incadrata <sup>1</sup>	K19																																																																																																																																																																																																																																																																																																																																																																																
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Inaltime placuta de montaj		Inaltime placuta de montaj		Inaltime placuta de montaj		Inaltime placuta de montaj																																																																																																																																																																																																																																																																																																																																																																																	

<sup>1</sup> Set placuta de montaj spate pentru usi cu grosimi+1.5 mm

LUFT MINIM

Grosime usa	Distanța cupa				
	3	4	5	6	7
24.0	1.0	1.0	1.0	1.2 <sup>2</sup>	2.1 <sup>2</sup>
22.0	1.0	1.0	1.0	1.0	1.5 <sup>2</sup>
21.0	1.0	1.0	1.0	1.0	1.2 <sup>2</sup>
20.0	1.0	1.0	1.0	1.0	1.0
19.0	1.0	1.0	1.0	1.0	1.0
18.0	1.0	1.0	1.0	1.0	1.0
17.0	1.0	1.0	1.0	1.0	1.0
16.0	1.0	1.0	1.0	1.0	1.0

Luft minim

<sup>2</sup> 1.0 la unghi de deschidere de 85°

ROST MINIM

Grosime usa	Distanța cupa				
	3	4	5	6	7
24.0	2.4	2.1	2.1	2.1	2.0
22.0	1.6	1.6	1.6	1.5	1.5
21.0	1.4	1.3	1.3	1.3	1.3
20.0	1.1	1.1	1.1	1.1	1.1
19.0	0.9	0.9	0.9	0.9	0.9
18.0	0.7	0.7	0.7	0.7	0.7
17.0	0.6	0.6	0.6	0.6	0.6
16.0	0.6	0.6	0.6	0.6	0.6

Rost minim (F)

85° UNGHI DESCHIDERE

Grosime usa	Distanța cupa				
	3	4	5	6	7
36.0	11.1	10.3	9.7	9.1	8.5
30.0	5.4	4.8	4.4	4.3	4.2
28.0	3.7	3.6	3.5	3.4	3.3
26.0	2.9	2.8	2.8	2.7	2.6
24.0	2.2	2.1	2.1	2.1	2.0
22.0	1.6	1.6	1.6	1.5	1.5
21.0	1.4	1.3	1.3	1.3	1.3
20.0	1.1	1.1	1.1	1.1	1.1
19.0	0.9	0.9	0.9	0.9	0.9
18.0	0.7	0.7	0.7	0.7	0.7
16.0	0.6	0.6	0.6	0.6	0.6

Rost minim (F)<sup>3</sup> at 85°

<sup>3</sup> Reductor unghi pana la 85°

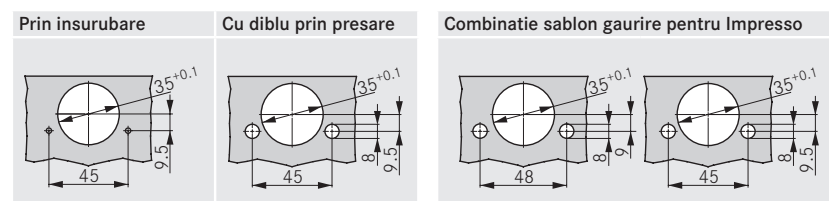
NOTA

Luft-ul minim este spatiul necesar intre dulap si usa , astfel încât ușa să se poată deschide fără obstacole.

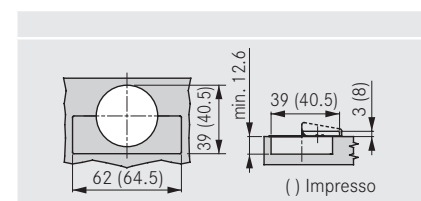
Rostul minim pentru uși cu margini țeșite (R = 1 mm) (setari din fabrica).

Pentru grosimi ale usii mai mari de 24 mm se recomanda proba de montaj

SABLON PENTRU GAURIRE 45/9.5



DIMENSIUNI CUPA



# TIOMOS 110

Balama 110° (grosimi ale usii de pana la 24 mm)

## INFORMATII COMANDA PENTRU SABLONUL DE GAURIRE 48/9

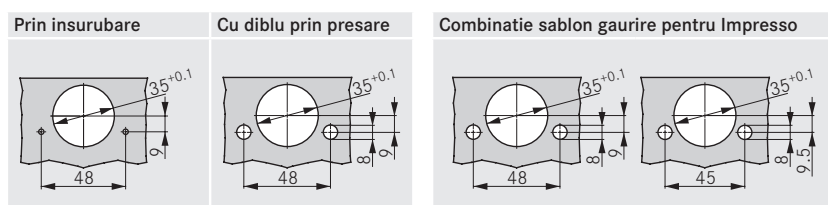
Suprapunere usa	Umar	Amortizor			fara arc	Articol nr.			Impreso fara scule
		cu	fara	fara arc		Click-on			
						Prin insurubare	Prin presare	Rapida	
Aplicata complet <sup>1</sup>		0	■	-	-	F028138093	F028138097	F022140066	F017139329
			-	■	-	F045138000	F045138004	F039140000	F034139300
			-	■	■	F046138184	-	-	F035139357
Aplicata <sup>1</sup>		3	■	-	-	F028138094	F028138098	F022140067	F017139330
			-	■	-	F045138001	F045138005	F039140001	F034139301
			-	■	■	F046138185	-	-	F035139358
Semiaplicata <sup>2</sup>		9.5	■	-	-	F028138095	F028138099	F022140068	F017139331
			-	■	-	F045138002	F045138006	F039140002	F034139302
			-	■	■	F046138186	-	-	F035139359
Incadrata <sup>2</sup>		19	■	-	-	F028138096	F028138100	F022140069	F017139332
			-	■	-	F045138003	F045138007	F039140003	F034139303
			-	■	■	F046138187	-	-	F035139360

<sup>1</sup> Material cupa: otel nichelat / Material brat: otel nichelat

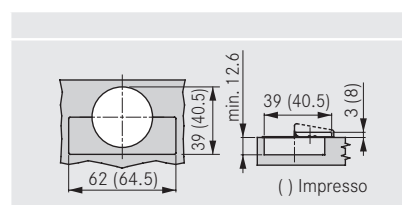
<sup>2</sup> Material cupa: otel nichelat / Material brat: Zamak, otel nichelat

<sup>3</sup> Sabloane gaurire aditionale , pentru unghiuri de deschidere 95°/110°/120°/160° si aplicatii unghiuri la cerere.

## SABLON PENTRU GAURIRE 48/9



## DIMENSIUNI CUPA



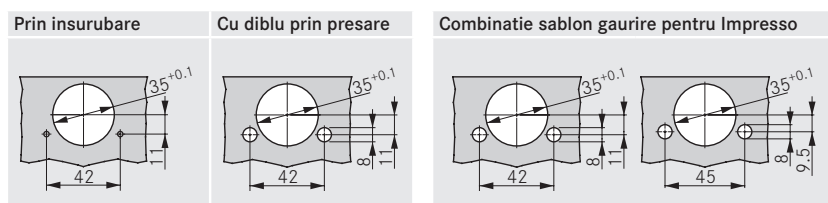
## INFORMATII COMANDA PENTRU SABLONUL DE GAURIRE 42/11

Suprapunere usa	Umar	Amortizor			Fara arc	Articol nr.		
		Cu	Fara	Fara arc		Click-on		
						Prin insurubare	Prin presare	Impreso fara scule
Aplicata complet <sup>1</sup>		0	■	-	-	F028138337	F028138341	F017139414
			-	■	-	F045138275	F045138279	F034139385
			-	■	■	F046138397	-	F035139442
Aplicata <sup>1</sup>		3	■	-	-	F028138338	F028138342	F017139415
			-	■	-	F045138276	F045138280	F034139386
			-	■	■	F046138398	-	F035139443
Semiaplicata <sup>2</sup>		9.5	■	-	-	F028138339	F028138343	F017139416
			-	■	-	F045138277	F045138281	F034139387
			-	■	■	F046138399	-	F035139444
Incadrata <sup>2</sup>		19	■	-	-	F028138340	F028138344	F017139417
			-	■	-	F045138278	F045138282	F034139388
			-	■	■	F046138400	-	F035139445

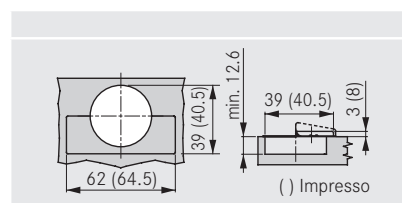
<sup>1</sup> Material cupa: otel nichelat / Material brat: otel nichelat

<sup>2</sup> Material cupa: otel nichelat / Material brat: Zamak, otel nichelat

## SABLON PENTRU GAURIRE 42/11



## DIMENSIUNI CUPA



Timos placute de montaj	102
Accesorii	112

Tipmatic	308
Informatii tehnice	116

Scule necesare pentru montaj	364
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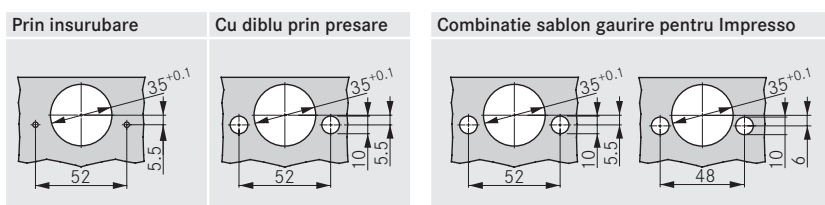
INFORMATII COMANDA PENTRU SABLONUL DE GAURIRE 52/5.5

Suprapunere usa	Umar	Amortizor		Fara arc	Articol nr.		
		Cu	Fara		Click-on Prin insurubare	Click-on Prin presare	Impreso fara scule
Aplicata complet <sup>1</sup>	0	■	-	-	F028138701	F028138705	F017139499
		-	■	-	F045138639	F045138643	F034139470
		-	■	■	F046138761	-	F035139527
Aplicata <sup>1</sup>	3	■	-	-	F028138702	F028138706	F017139500
		-	■	-	F045138640	F045138644	F034139471
		-	■	■	F046138762	-	F035139528
Semiaplicata <sup>2</sup>	9.5	■	-	-	F028138703	F028138707	F017139501
		-	■	-	F045138641	F045138645	F034139472
		-	■	■	F046138763	-	F035139529
Incadrata <sup>2</sup>	19	■	-	-	F028138704	F028138708	F017139502
		-	■	-	F045138642	F045138646	F034139473
		-	■	■	F046138764	-	F035139530

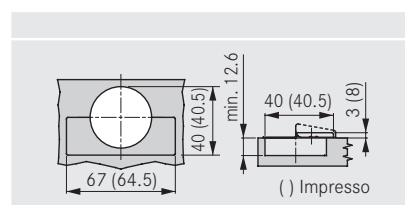
<sup>1</sup> Material cupa: otel nichelat / Material brat: otel nichelat

<sup>2</sup> Material cupa: otel nichelat / Material brat: Zamak, otel nichelat

SABLON PENTRU GAURIRE 52/5.5



DIMENSIUNI CUPA



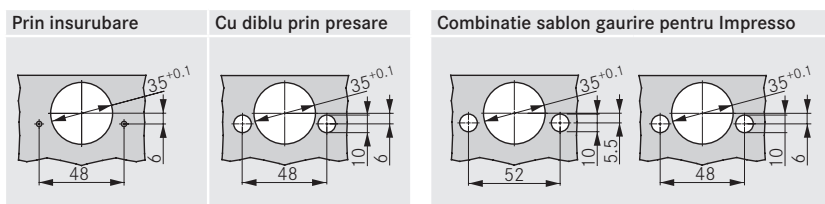
INFORMATII COMANDA PENTRU SABLONUL DE GAURIRE 48/6

Suprapunere usa	Umar	Amortizor		Fara arc	Articol nr.		
		Cu	Fara		Click-on Prin insurubare	Click-on Prin presare	Impreso fara scule
Aplicata complet <sup>1</sup>	0	■	-	-	F028138883	F028138887	F017139499
		-	■	-	F045138821	F045138825	F034139470
		-	■	■	F046138943	-	F035139527
Aplicata <sup>1</sup>	3	■	-	-	F028138884	F028138888	F017139500
		-	■	-	F045138822	F045138826	F034139471
		-	■	■	F046138944	-	F035139528
Semiaplicata <sup>2</sup>	9.5	■	-	-	F028138885	F028138889	F017139501
		-	■	-	F045138823	F045138827	F034139472
		-	■	■	F046138945	-	F035139529
Incadrata <sup>2</sup>	19	■	-	-	F028138886	F028138890	F017139502
		-	■	-	F045138824	F045138828	F034139473
		-	■	■	F046138946	-	F035139530

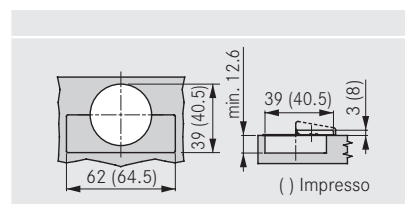
<sup>1</sup> Material cupa: otel nichelat / Material brat: otel nichelat

<sup>2</sup> Material cupa: otel nichelat / Material brat: Zamak, otel nichelat

SABLON PENTRU GAURIRE 48/6



DIMENSIUNI CUPA



TIOMOS placute de montaj	102	Tipmatic	308	Scule necesare pentru montaj	364
Accesorii	112	Informatii tehnice	116		

Tiomos  
Nexis  
Balamale speciale  
Balamale cu o articulatie  
Accesorii dulapuri