Acessórios

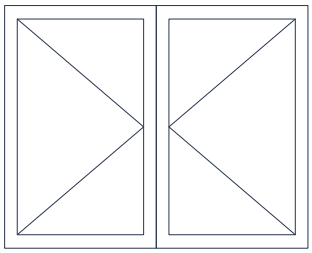
de manobra

LOUSALU

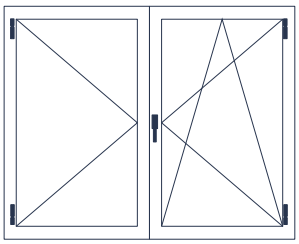
Acessórios Genéricos de manobra

para sistemas de Canal Europeu

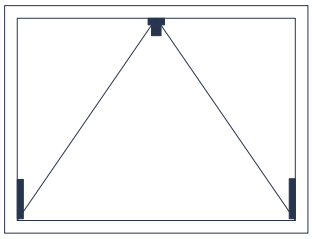
batente



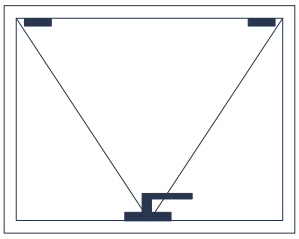
oscilobatente



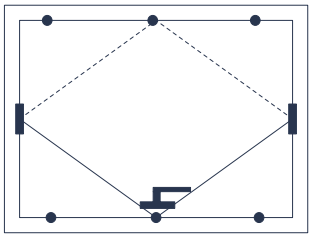
basculante



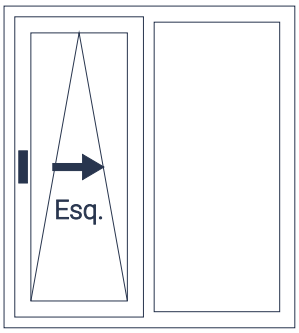
projetante



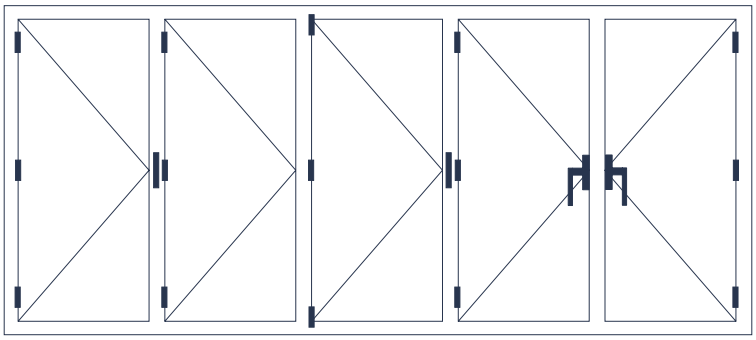
pivotante



osciloparalelo

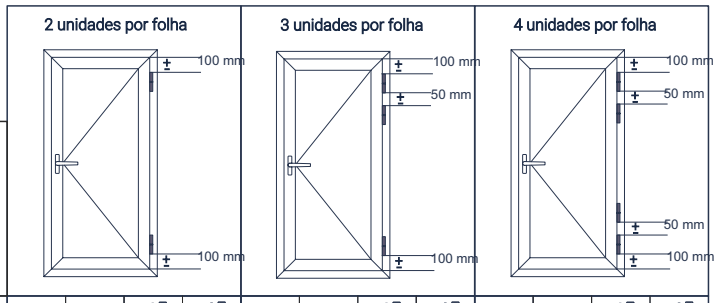


harmónio



LOUALU

Tabela de pesos (kg) máximos por folha



uso doméstico	uso intensivo	uso intensivo com mola livre	uso intensivo com mola de bloqueio

Código e designação	2 unidades por folha				3 unidades por folha				4 unidades por folha			
X.20.0072 - Dobradiça deslizante GRIP Plus 2 abas	50	40	30	20	65	55	45	35	80	70	60	50
X.21.0027 - Dobradiça deslizante GRIP Plus 2 abas - 3ª folha	50				65				80			
X.20.0041 - Dobradiça deslizante VENICE BABY 2 abas	80	70	60	55	95	85	75	65	110	100	90	80
X.21.0021 - Dobradiça deslizante VENICE BABY 2 abas - 3ª folha	80				95				110			
X.20.0070 - Dobradiça deslizante MONZA 2 abas	120	110	100	90	135	125	115	105	150	140	130	120
X.21.0028 - Dobradiça deslizante MONZA 2 abas - 3ª folha	120				135				150			
X.20.0079 - Dobradiça deslizante MONZA 3 abas	150	140	130	120	170	160	150	140	190	180	170	160
X.24.0018 - Dob. frontal LOIRA PLUS 2 abas + 1 - X.59.0090 - kit aperto + 1 - X.26.0006 - Calço	160	150	140	130	185	175	165	155	210	200	190	180
X.24.0020 - Dob. frontal LOIRA PLUS 3 abas + 1 - X.59.0153 - kit aperto + 2 - X.26.0006 - Calço	180	170	160	150	210	200	190	180	235	225	215	205
X.60.6237 - Kit Dobradiça Oculta MAGICUB Folha esquerda	180	170	160	150								
X.60.6263 - Kit Dobradiça Oculta MAGICUB Folha direita	180	170	160	150								

X.20.0072
Dobr. Desliz. Grip +

X.21.0027
Dobr. Desl. Grip + 3f

X.20.0041
Dobr. Desliz. Venice Baby

X.21.0021
Dobr. Desl. Venice Baby 3f

X.20.0070
Dobrad. Desliz. Monza

X.21.0028
Dobr. Desliz. Monza 3f

X.20.0079
Dobrad. Desliz. Monza

X.24.0018
Dobr. Ap. Frontal Loira+

X.59.0090
Contra-placas Loira Plus

X.26.0006
Calço 7mm Dob. Loira

X.24.0020
Dobr. Ap. Frontal LoiraTrip

X.59.0153
Contra-placas Loira trip.

X.26.0006
Calço 7mm Dob. Loira

X.60.6237
Kit Dobr. Oculta Esq

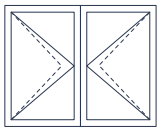
X.60.6263
Kit Dobr. Oculta Dir

LOU/ALU

Batente

Portas com Fechadura

Abertura Interior e Exterior

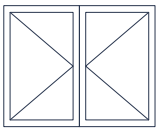


	folhas 1	folhas 2	Larg/Alt (mm) 500 – 1200	1200 – 2000	2000 – 2700
Dobradiças	x	x	(a)		
Fechaduras	x	x	(d)		
X.30.0164	x	x	1		
Altura: X.33.0072	x			1 b)	
Altura: X.33.0072		x		2 b)	
Altura: X.32.0055		x	1		
Altura: X.32.0056		x	1		

Dimensões da folha:
400 < L < 1200 mm / 500 < H < 2700 mm

Janelas/portas de Sacada

Abertura Interior

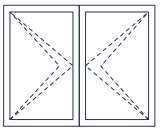


	folhas 1	folhas 2	Larg/Alt (mm) 500 – 1200	1200 – 2000	2000 – 2700
Dobradiças	x	x	(a)		
X.30.0139	x	x	1		
X.30.0169	x	x	1		
X.37.0038	x	x	Opcional		
Altura: X.60.0280	x	x		1	2
Altura: X.33.0072	x			1 b)	
Altura: X.33.0072		x		2 b)	
Altura: X.32.0057		x	1		
Altura: X.32.0056		x	1		

Dimensões da folha:
400 < L < 1200 mm / 500 < H < 2700 mm

Janelas/portas de Sacada

Abertura Exterior



	folhas 1	folhas 2	Larg/Alt (mm) 500 – 1200	1200 – 2000	2000 – 2700
Dobradiças	x	x	(a)		
X.60.6296	x	x	1		
X.60.6297	x	x	1		
X.35.0064	x	x	1		
X.30.0066	x	x	1		
X.37.0038	x	x	Opcional		
Altura: X.60.6280	x	x		1	2
Altura: X.33.0072	x			1 b)	
Altura: X.33.0072		x		2 b)	
Altura: X.32.0057		x	1		
Altura: X.32.0056		x	1	1	

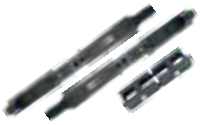
Dimensões da folha:
400 < L < 1200 mm / 500 < H < 2700 mm

X.30.0164
Cremon Duplo HERA Q132

X.32.0055
Kit Fecho 2ª Fl Zamak

X.33.0072
Limit Flecha 2ª Fl. O.bat.
H > 1700mm

X.32.0056
Kit Fecho 2ª Fl Nylon



Kit Cremon GEA
X.30.0139
X.30.0169 c/Chave

X.33.0072
Limit Flecha 2ª Fl. O.bat.
H > 1700mm

X.37.0038
Limitador de abertura
de 100 a 160 kg

X.32.0057
Kit Fecho 2ª Fl Bidirercion

X.60.6280
Kit P. Fecho supl. O.bat.

X.32.0056
Kit Fecho 2ª Fl Nylon

X.60.6296
Kit Cremone EOS
Quadra 8x107mm

X.37.0038
Limitador de abertura
de 100 a 160 kg

X.60.6297
Kit Cremone EOS c/ chave
Quadra 8x107mm

X.60.6280
Kit P. Fecho supl. O.bat.

X.35.0064
Kit Transmissão bidirec
Perno M6 28 mm

X.33.0072
Limit Flecha 2ª Fl. O.bat.
H > 1700mm

X.35.0066
Kit Ponteira fecho

X.32.0057
Kit Fecho 2ª Fl Bidirercion

X.32.0056
Kit Fecho 2ª Fl Nylon

Legenda:
L = Largura da Folha; H = Altura da Folha

Notas:
(a) Ver tabela de dobradiças; (b) Se Dobradiça = 2 Un; (d) Ver Tabela de Fechaduras

Magicube (Oculto) Eos 180KG - Fapim

Medidas limite: Largura: Min. 422 mm Max. 1700mm Altura: Min. 600 mm Max. 2600 mm

Man. Convencional

		Folhas 1	Folhas 2	422	600	700	900	1200	1700	2100	2600
Largura	X.60.6264	x	x	1		1 (a)					
	X.60.6266	x	x								
	X.60.6265	x	x			1					
	X.60.6267	x	x								
	X.60.6279	x	x					1			
	X.60.6064	x	x					1			
	X.37.0044	x	x	Opcional							
	X.37.0045	x	x				Opcional				
Altura	X.60.6064	x	x					1			
	X.60.6280	x	x							1	
	X.60.6268		x	1							
	X.60.6269		x								
	X.33.0072		x						1	2	

Kit Oscilo-batente Oculto 1 Folha

Fapim - Magicube180 Kg Cremone quadra EOS

X.60.6264 Dir.
X.60.6302 c/Chave
422 < L < 900 mm

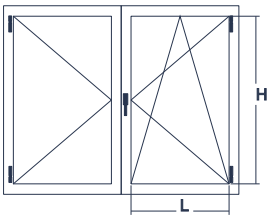
X.60.6266 Esq.
X.60.6304 c/Chave
422 < L < 900 mm

X.60.6265 Dir.
X.60.6303 c/Chave
700 < L < 1700 mm

X.60.6267 Esq.
X.60.6305 c/Chave
700 < L < 1700 mm

X.60.6269
Kit 2ª Fl Oculto Direito.

X.60.6268
Kit 2ª Fl Oculto Esquerdo



X.60.6279
Kit Compas Supl. O.bat.
L > 1200mm

X.60.6064
Kit de Reenvio O.bat.
H > 1700mm

X.60.6280
Kit P. Fecho supl. O.bat.

X.33.0072
Limit Flecha 2ª Fl. O.bat.
H > 1700mm

Galicube Gea 150KG - Fapim

Medidas limite: Largura: Min. 364 mm Max. 1700mm Altura: Min. 400 mm Max. 2600 mm

Man. Convencional

		Folhas 1	Folhas 2	364	400	500	700	750	816	1200	1700	2100	2600
Largura	X.60.6281	x	x	1	1 (a)								
	X.60.6282	x	x		1	1 (a)							
	X.60.6283	x	x				1						
	X.60.6284	x	x							1 (a)	1		
	X.60.6279	x	x								1		
	X.60.6064	x	x								1		
	X.37.0044	x	x		Opcional								
	X.37.0045	x	x							Opcional			
Altura	X.60.6064	x	x								1		
	X.60.6280	x	x									1	
	X.60.6286		x		1								
	X.60.6287		x										
	X.60.6288		x										
	X.33.0072		x									1	2

Kit Oscilo-batente 1 Folha

Fapim - Galicube150 Kg Cremone GEA

X.60.6281 Micro
X.60.6298 c/Chave
364 < L < 700mm

X.60.6282 Pequeno
X.60.6299 c/Chave
402 < L < 750

X.60.6283 Standard
X.60.6300 c/Chave
562 < L < 1200)

X.60.6284 Grande
X.60.6301 c/Chave
816 < L < 1700)

X.60.6288
Kit OBat.2ª Fl c/F. Bidirerc.

X.60.6286
Kit Obat. 2ª Fl. c/fecho Pq.

X.60.6287
Kit Obat. 2ª Fl. c/fecho Gr.

X.37.0044
Limit. Abertura 364/800

X.37.0045
Limit. Abertura 800/1700

Galicube Man.Logic Gea 150KG - Fapim

Medidas limite: Largura: Min. 402 mm Max. 1700mm Altura: Min. 600 mm Max. 2600 mm

Manobra Lógica

		Folhas 1	Folhas 2	402	562	750	816	1200	1700	2100	2600
Largura	X.60.6289	x		1	1 (a)						
	X.60.6290	x			1						
	X.60.6291	x					1 (a)	1			
	X.60.6279	x						1			
	X.60.6280	x						1			
	X.37.0044	x		Opcional							
	X.37.0045	x					Opcional				
Altura	X.60.6064	x						1			
	X.60.6280	x								1	

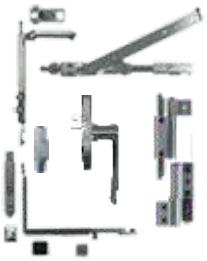
Kit Oscilo-batente Manobra Lógica

Fapim - Galicube150 Kg Cremone GEA

X.60.6289 Pequeno
X.60.6306 c/Chave
402 < L < 750

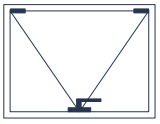
X.60.6290 Standard
X.60.6307 c/Chave
562 < L < 1200)

X.60.6291 Grande
X.60.6308 c/Chave
816 < L < 1700)



Oscilantes

Projectantes
(Com Dobradiças)



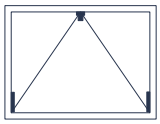
Altura e Largura (mm)

		300 – 1200
Larg/Alt	Dobradiça	(a)
	X.30.0007	1
	X.37.0004	2

Dimensões: 300 < L < 1200 mm 300 < H < 1200 mm

X.30.0007	X.37.0004
Cremone Ling. APH-607T	Compasso Projet. Regul.

Basculantes
(Sem Dobradiças)



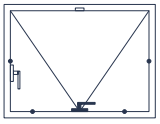
Altura e Largura (mm)

		300 – 1200
Larg/Alt	X.36.0013	1
	X.37.0001	1

Dimensões: 300 < L < 1200 mm 300 < H < 1200 mm

X.36.0013	X.37.0001
Fecho Báscula Superclak	Compasso Báscula G4.368

Projectantes
(Sem Dobradiças)

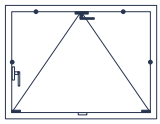


Altura e Largura (mm)

		300	400	900	1200	1500	2000
	X.60.6297	1					
	X.60.6297						
	X.35.0064	1					
	X.37.0038	Opcional					
Largura	X.60.6280	2					
	X.33.0072				1		
Altura	X.37.0005		1				
	X.37.0006			1			
	X.37.0018				1		
	X.35.0056	1c)			2		
	X.60.6280				2		

Limite: 300 < L < 1500 mm 400 < H < 2000 mm

Basculantes
(Com Dobradiças)



Altura e Largura (mm)

		450	1200	2000	2500	2700
	Dobradiça	(a)				
	X.60.6210	1				
	X.60.6251					
	X.60.6061	1				
Largura	X.60.6280	2		3		
	X.33.0072		1b)			
Altura	X.37.0041	2				
	X.37.0045		2			
	X.35.0056	1c)	2			
	X.60.6280		2	4		

Limite: 450 < L < 2500 mm 450 < H < 2700 mm

X.60.6296
Kit Cremone EOS
Quadra 8x107mm

X.37.0038
Limitador de abertura
de 100 a 160 kg

Compasso Projetante

X.37.0005
400 < H < 900mm - 24Kg

X.37.0006
900< H < 1200mm - 65kg

X.37.0018
1200 < H < 2000mm - 100kg

X.60.6297
Kit Cremone EOS c/ chave
Quadra 8x107mm

X.60.6280
Kit Ponto de Fecho

X.35.0064
Kit Transmissão bidirec
Perno M6 28 mm

X.33.0072
Limit Flecha 2ª Fl. O.bat.
H > 1700mm

X.35.0056
Ângulo reenv. fecho perim.

X.60.6210
Cremone GEA 1 Garfo

X.60.6280
Kit Ponto de Fecho

X.37.0045
Limit. Abertura 800/1700

X.60.6251
Crem.GEA 1 Garfo c/chav

X.33.0072
Limit Flecha 2ª Fl. O.bat.
H > 1700mm

X.35.0056
Ângulo reenv. fecho perim.

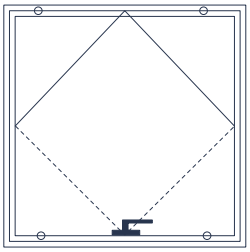
X.60.6061
Transm Crem GEA 1 Garfo

X.37.0041
Limit. Abertura 800/1200

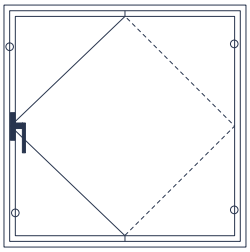
Legenda: L = Largura da Folha; H = Altura da Folha

Notas: (a) Ver tabela de dobradiças; (b) Se Dobradiça = 2 Un; (c) Se Cremone Lateral

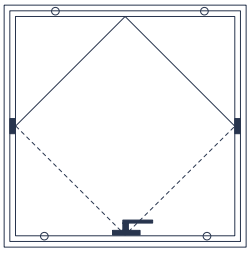
Pivotantes



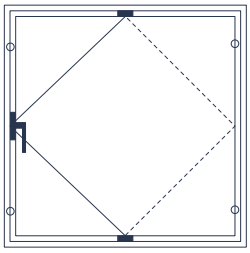
Eixo Horizontal



Eixo Vertical



Eixo Horizontal



Eixo Vertical

Pivotante

Rótula Oculta

Altura e Largura (mm)

Largura/Altura	500–1200	1200–1800	1800–2000	2000–2400
X.30.0165	1			
X.30.0166	1			
X.61.2026	1			
X.60.6280		2		

Dimensões :

Eixo Horizontal
500 < L < 2400 mm
500 < H < 2000 mm

Eixo Vertical
500 < L < 2000 mm
500 < H < 2400 mm

Pivotante

Rótula à Vista

Altura e Largura (mm)

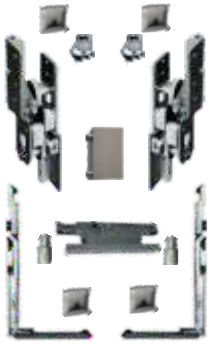
Largura/Altura	500–1200	1200–1400	1400–1600	1600–1800
X.61.0001	2			
X.61.0002	1			
X.61.0003		2		
X.61.0004	1			
X.61.0005		2		
X.61.0006	2	4		
X.66.0007	2	4		

Dimensões :

Eixo Horizontal
500 < L < 1600 mm
500 < H < 1400 mm

Eixo Vertical
500 < L < 1500 mm
500 < H < 1800 mm

X.61.2027
Kit Pivotante 180kg oculto



X.30.0165
Kit Cremone EOS
Quadra 8x107mm

X.30.0166
Kit Cremone EOS c/ chave
Quadra 8x107mm

X.60.6280
Kit Ponto de Fecho

X.61.0001
Rótula Pivotante 100kg

X.6.0002
Cremone pivotante

X.61.0003
Trasladador de vareta

X.61.0004
Transmissão de cremone

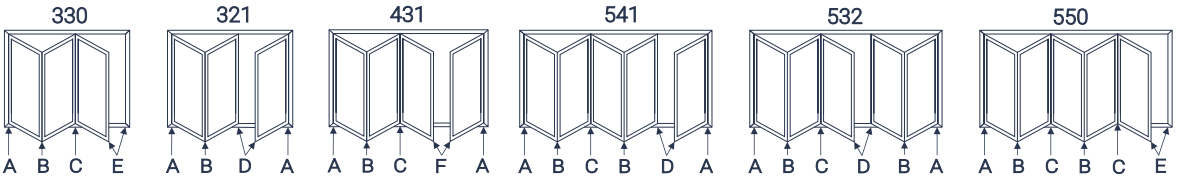
X.61.0005
Kit de reenvio de fecho

X.61.0006
Ponto de fecho fixo

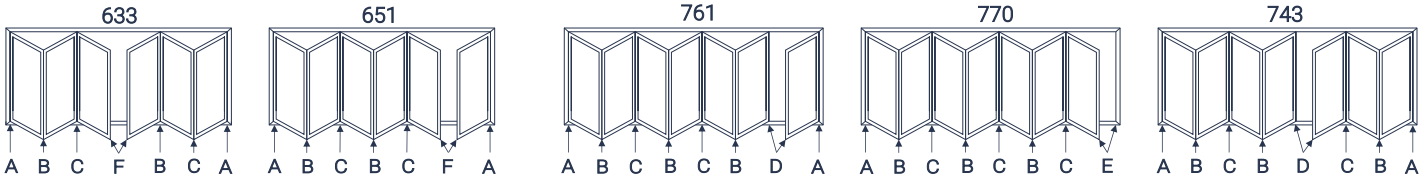
X.61.0007
Ponto de fecho móvel

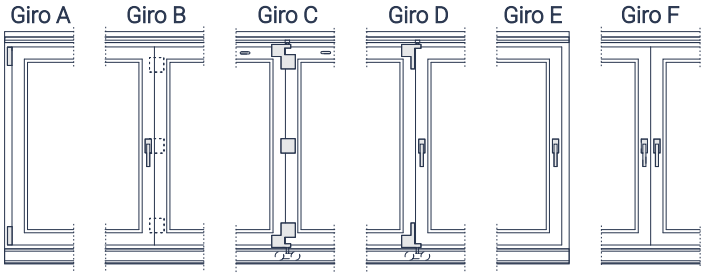
LOUSALU

Harmónios



Dimensões (por folha)	Mín.	Máx.
Altura (mm)	850	2400
Largura (mm)	330	900
Peso (Kg)		80
Nº Folhas	3	7





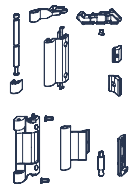
Giros por esquema

Folhas		3		4	5			6		7		
Esquem.		330	321	431	550	541	532	651	633	770	761	743
Giros	A	1	2	2	1	2	2	2	2	1	2	2
	B	1	1	1	2	2	2	2	2	3	3	3
	C	1		1	2	1	1	2	3	3	2	2
	D		1			1	1				1	1
	E	1			1					1		
	F			1				1	1			

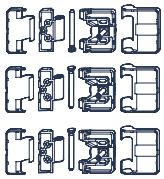
Quantidades por tipo e giro	Tipo de Harmónio				Quantidades por Giro					
	CVI	CVE	CEI	CEE	A	B	C	D	E	F
X.65.0073	X	X	X	X	1					
X.65.0074	X	X	X	X		1				
X.65.0075	X	X	X	X			1			
X.65.0076	X	X	X	X				1		
X.65.0077	X					1		1	1	2
X.65.0078			X			1		1	1	2
X.65.0079		X				1		1	1	2
X.65.0080				X		1		1	1	2

Quantidades por tipo	CVI	CVE	CEI	CEE
X.65.0044/47*	1L	1L	1L	1L
X.65.0048/51*	1L	1L		
X.65.0052/55*			1L	1L
X.65.0056/59*			1L	1L
X.65.0006	1	1		
X.65.0007	2L	2L	1L	1L
X.65.0061			1	1
X.65.0071			1	1
X.65.1031			1	1

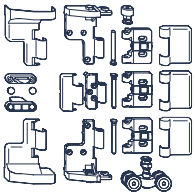
X.65.0073
Kit Dobradiças Giro "A"



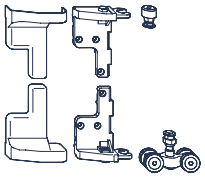
X.65.0074
Kit Dobradoças Giro "B"



X.65.0075
Kit dobradiças Giro "C"

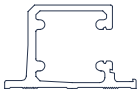


X.65.0076
Kit Dobradiças Giro "D"

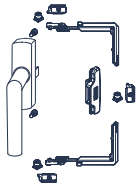


Calha Guia
X.65.0044 - 2500 mm
X.65.0045 - 3500 mm
X.65.0046 - 4500 mm
X.65.0047 - 7000 mm

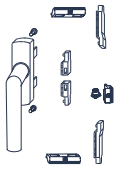
Calha à Vista
X.65.0048 - 2500 mm
X.65.0049 - 3500 mm
X.65.0050 - 4500 mm
X.65.0051 - 7000 mm



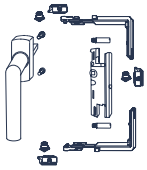
X.65.0077
Kit Fecho Calha à Vista



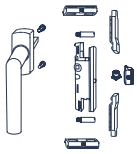
X.65.0078
Kit Fecho Calha Embutida



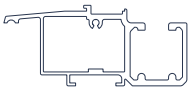
X.65.0079
Kit Fecho Calha à Vista para abertura exterior



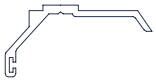
X.67.0080
Kit Fecho Calha Embutida p/abertura exterior



Calha Embutida
X.65.0052 - 2500 mm
X.65.0053 - 3500 mm
X.65.0054 - 4500 mm
X.65.0055 - 7000 mm



Remate Folha
X.65.0056 - 2500 mm
X.65.0057 - 3500 mm
X.65.0058 - 4500 mm
X.65.0059 - 7000 mm



X.65.0007
Calha Tapa parafusos
(PVC - 7000 mm)

X.65.0006
Tapa calha
(PVC - 2000 mm)

X.65.0061
Pelúcia 23x12

X.65.0071
Vedante remate de folha

X.65.1031
Esquadro Calha Embutida

Legenda:

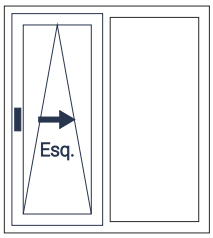
(*) - Conforme largura do vão
(L) - Largura do vão

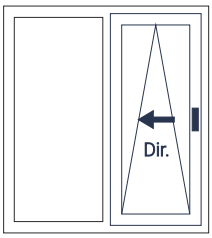
(CVI) - Harmónio Calha à Vista abertura para Interior
(CVE) - Harmónio Calha à Vista abertura para Exterior

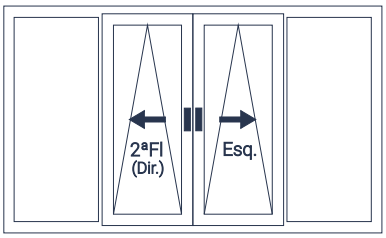
(CEI) - Harmónio Calha Embutida abertura para Interior
(CEE) - Harmónio Calha Embutida abertura para Exterior

Osciloparalelas

Osciloparalelo Atrium Alu-HKS 200 Z - Hautau







Esquerdo — Largura da folha (mm)

	670	930	1280	1660	2000
X.64.0069			1		
X.64.0063			1		
X.64.0065					
X.64.0058			1		
X.64.0075					
X.64.0067			1		
X.64.0060			1		
X.64.0061			1		
X.64.0071	1				
X.64.0072		1			
X.64.0073			1		
X.64.0074				1	

Direito — Largura da folha (mm)

	670	930	1280	1660	2000
X.64.0068			1		
X.64.0064			1		
X.64.0066					
X.64.0059			1		
X.64.0076					
X.64.0067			1		
X.64.0060			1		
X.64.0061			1		
X.64.0071	1				
X.64.0072		1			
X.64.0073			1		
X.64.0074				1	

2 Folhas — Largura da folha (mm)

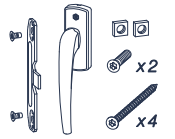
	670	930	1280	1660	2000
X.64.0069			1		
X.64.0070			1		
X.64.0063			1		
X.64.0065					
X.64.0064			1		
X.64.0066					
X.64.0058			1		
X.64.0075					
X.64.0059			1		
X.64.0076					
X.64.0067			2		
X.64.0060			2		
X.64.0061			2		
X.64.0062			1		
X.64.0071	2				
X.64.0072		2			
X.64.0073			2		
X.64.0074				2	

Medidas Limite:

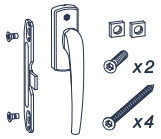
Altura: Min. 930 mm; Max. 2700 mm

Altura: Min. 930 mm; Max. 2700 mm

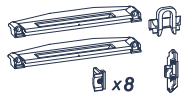
X.64.0058
Kit Cremone Esquerdo
Osciloparal. HKS 200 Aut



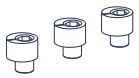
X.64.0059
Kit Cremone Direito
Osciloparal. HKS 200 Aut



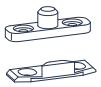
X.64.0060
Kit Encontros de fecho
Osciloparal. HKS 200 Aut



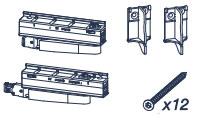
X.64.0061
Kit P. Fecho Complem.
Osciloparal. HKS 200 Aut



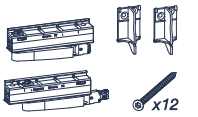
X.64.0062
Kit Fecho 2ª Folha
Osciloparal. HKS 200 Aut



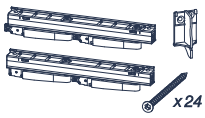
X.64.0063
Kit Carros 160kg Esquerdo
Osciloparal. HKS 200 Aut



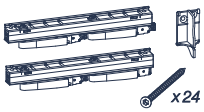
X.64.0064
Kit Carros 160kg Direito
Osciloparal. HKS 200 Aut



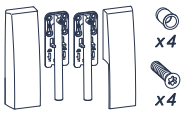
X.64.0065
Kit Carros 200kg Esquerdo
Osciloparal. HKS 200 Aut



X.64.0066
Kit Carros 200kg Direito
Osciloparal. HKS 200 Aut

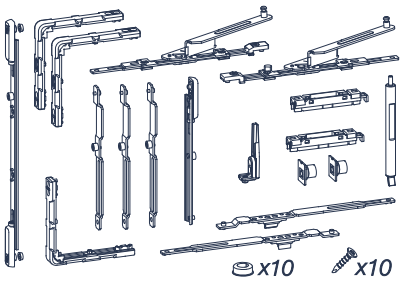


X.64.0067
Kit Capas e fixadores
Osciloparal. HKS 200 Aut



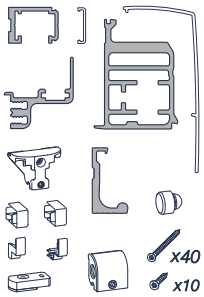
Kit Fecho base Osciloparalelo HKS 200 Aut.

X.64.0068 Folha Direita
X.64.0069 Folha Esquerda
X.64.0070 2ª Folha (Direita)



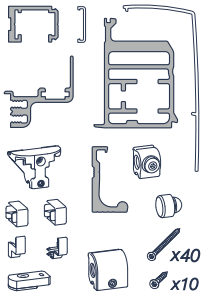
Kit Guias
Osciloparal. HKS 200 Aut

X.64.0071 930mm
X.64.0072 1280mm

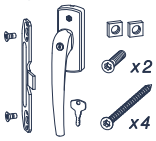


Kit Guias
Osciloparal. HKS 200 Aut

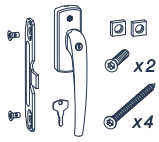
X.64.0073 1660mm
X.64.0074 2000mm



X.64.0075
Kit Cremon c/ Chave Esq.
Osciloparal. HKS 200 Aut

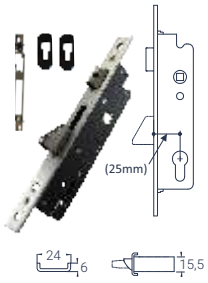


X.64.0076
Kit Cremon c/ Chave Dir.
Osciloparal. HKS 200 Aut

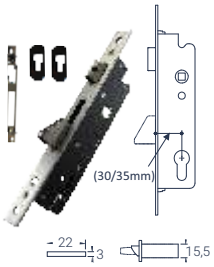


Fechaduras e Molas

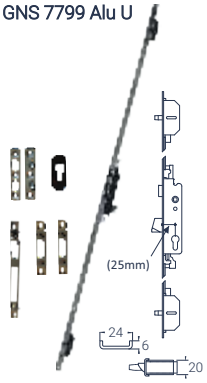
X.38.2058 25 mm
Fechadura de prumo
GNS 7716 Alu U



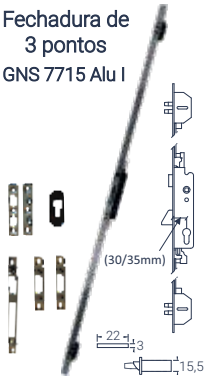
X.38.2059 30 mm
X.38.2060 35 mm
Fechadura de prumo
GNS 7716 Alu I



X.38.2061 25 mm
Fechadura de 3 pontos
GNS 7799 Alu U



X.38.2062 30 mm
X.38.2063 35 mm
Fechadura de 3 pontos
GNS 7715 Alu I



Cilindro Standard

	(A x B)
X.38.1065	30x30
X.38.1066	30x35
X.38.1067	30x40
X.38.1068	30x50
X.38.1069	30x60
X.38.1070	30x70
X.38.1071	30x80

Cilindro Segurança

	(A x B)
X.38.1072	30x30
X.38.1073	30x35
X.38.1074	30x40
X.38.1075	30x50
X.38.1076	30x60
X.38.1077	30x70
X.38.1078	30x80

X.67.0109
Mola Braço deslizante F3
Força 3 sem stop

X.67.0110
Mola braço standard F6
Força 3 a 6 sem stop

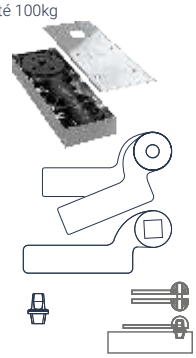
X.67.0111
Mola braço standard F4
Força 2 a 4 sem Stop

X.67.0112
Mola braço standard F4
Força 2 a 4 com stop 90º

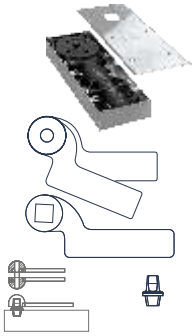
X.67.0113
Mola braço standard F5
Força 2 a 4 c/ stop 90º

X.67.0114
Mola braço standard F5
Força 2 a 5 c/ stop 70/140º

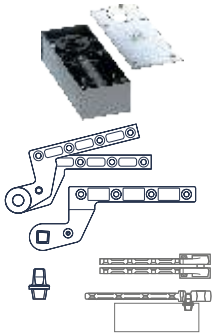
X.67.0126
Kit Mola pavim. MAB 7635
p/porta de batente direita
Até 100kg



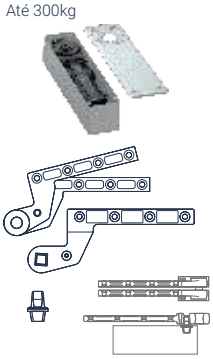
X.67.0127
Kit Mola pavim. MAB 7635
p/porta batente esquerda
Até 100kg



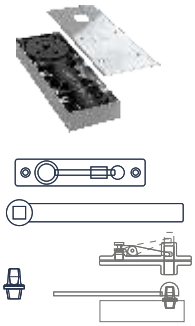
X.67.0128
Kit Mola pavim. MAB 7705
p/porta de batente
Até 170kg



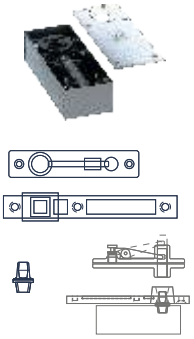
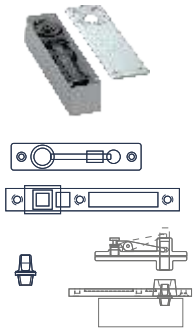
X.67.0129
Mola pavim. MAB 755
p/porta de batente
Até 300kg



X.67.0130
Mola pavim. MAB 7635
p/porta pivotante/ vai-vem
Até 100kg



X.67.0131
Kit Mola pavim. MAB 7705
p/porta pivotante/vai-vem
Até 170kg



X.67.0132
Mola pavim. MAB 755
p/porta pivotante/vai-vem
Até 300kg