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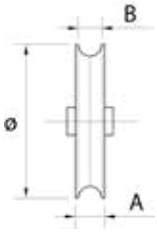
D ACESSÓRIOS PORTÕES DE CORRER

RODA C/ 1 ROLAMENTO - GOLA V/U



Ref.	Ø (mm)	Zincado	Inox	Cx.
101 (V) 102 (U)	50	4,82 €		25
	60	4,98 €	28,28 €	
	70	8,24 €		
	75	11,39 €		
	80	7,69 €	41,13 €	20
	90	14,84 €		12
	100	14,16 €	47,54 €	
	120	17,77 €		
	140	23,55 €		4
	160	36,15 €		
	200	56,36 €		2

A (mm)	B (mm)	Kg
16	12	200
16	12	200
20	16	300
20	16	300
20	16	300
20	16	300
20	16	300
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20	16	300
20	16	300
20	16	300

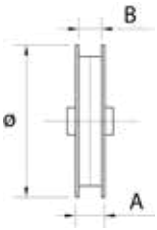


RODA C/ 1 ROLAMENTO - GOLA Q



Ref.	Ø (mm)	Preço	Cx.
103 (Q)	50	5,30 €	25
	60	5,48 €	
	80	9,58 €	20
	100	13,38 €	12
	120	24,15 €	

A (mm)	B (mm)	Kg
16	10	200
16	10	200
20	12	300
20	12	300
20	12	300

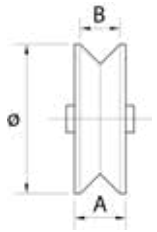


RODA C/ 2 ROLAMENTOS - GOLA V/U



Ref.	Ø (mm)	Preço	Cx.
201 (V) 202 (U)	60	13,13 €	12
	80	15,28 €	10
	100	18,07 €	
	120	22,23 €	6
	140	33,23 €	4
	160	47,23 €	
	200	63,38 €	2

A (mm)	B (mm)	Kg
30	20	600
30	20	600
30	20	600
30	20	600
30	20	600
30	20	600
30	20	600

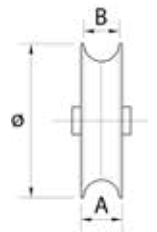


RODA C/ 1 ROLAMENTO - CANAL 20 - GOLA V/U



Ref.	Ø (mm)	Preço	Cx.
251 (V) 252 (U)	60	9,46 €	20
	80	11,83 €	10
	100	17,36 €	
	120	23,56 €	

A (mm)	B (mm)	Kg
25	20	200
25	20	300
25	20	300
25	20	300



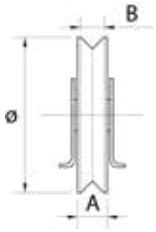
Capacidade de Carga para 2 Unidades

RODA C/ SUPORTE SOLDAR - GOLA V/U



Ref.	Ø (mm)	Zincado	Inox	Cx.
301 (V) 302 (U)	50	7,41 €		12
	60	7,54 €	39,22 €	
	70	10,04 €		10
	75	11,73 €		
	80	10,18 €	42,69 €	
	90	15,74 €		
	100	15,10 €	62,92 €	
	120	19,90 €		6

A (mm)	B (mm)	Kg
16	12	200
16	12	200
20	16	300
20	16	300
20	16	300
20	16	300
20	16	300
20	16	300

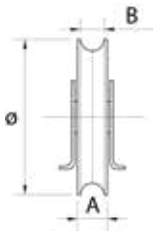


RODA C/ SUPORTE SOLDAR - CANAL 20 - GOLA V/U



Ref.	Ø (mm)	Zincado	Cx.
351 (V) 352 (U)	60	9,96 €	12
	80	12,44 €	10
	100	18,85 €	
	120	24,08 €	6

A (mm)	B (mm)	Kg
25	20	200
25	20	300
25	20	300
25	20	300

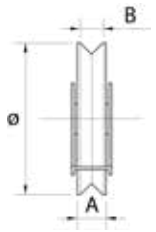


RODA C/ SUPORTE 2 FUROS - GOLA V/U



Ref.	Ø (mm)	Zincado	Inox	Cx.
401 (V) 402 (U)	50	8,35 €		12
	60	8,47 €	39,33 €	
	70	11,33 €		10
	75	12,19 €		
	80	11,48 €	43,81 €	
	90	15,67 €		
	100	15,19 €	64,04 €	
	120	20,64 €		6

A (mm)	B (mm)	Kg
16	12	200
16	12	200
20	16	300
20	16	300
20	16	300
20	16	300
20	16	300
20	16	300

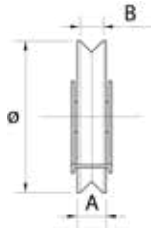


RODA C/ SUPORTE 2 FUROS - CANAL 20 - GOLA V/U



Ref.	Ø (mm)	Zincado	Cx.
451 (V) 452 (U)	80	17,18 €	10
	100	18,77 €	

A (mm)	B (mm)	Kg
25	20	300
25	20	300

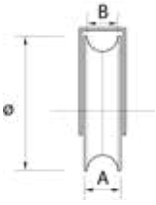


RODA C/ SUPORTE TRIANGULAR - GOLA V/U



Ref.	Ø (mm)	Preço	Cx.
501 (V) 502 (U)	80 (Canal 16)	16,98 €	10
	80 (Canal 20)	16,98 €	
	100 (Canal 20)	25,22 €	

A (mm)	B (mm)	Kg
20	16	200
25	20	300
25	20	300



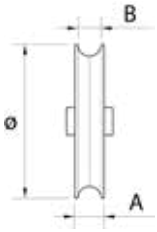
Capacidade de Carga para 2 Unidades



RODA EM NYLON C/ 1 ROLAMENTO - GOLA V/U

Ref.	Ø (mm)	Preço	Cx.
N11 (V) N12 (U)	60	6,99 €	25
	80	9,92 €	20
	100	13,51 €	12

A (mm)	B (mm)	Kg
16	12	80
20	16	130
20	16	130

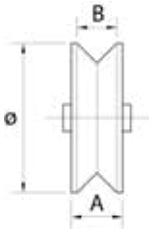




RODA EM NYLON C/ 2 ROLAMENTOS - GOLA V/U

Ref.	Ø (mm)	Preço	Cx.
N13 (V) N14 (U)	60	10,48 €	12
	80	16,04 €	10
	100	17,09 €	
	120	23,23 €	6

A (mm)	B (mm)	Kg
30	20	150
30	20	260
30	20	260
30	20	260

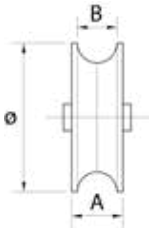




RODA EM NYLON - CANAL 20 - GOLA V/U

Ref.	Ø (mm)	Preço	Cx.
N51 (V) N52 (U)	60	9,09 €	20
	80	11,65 €	10
	100	14,82 €	

A (mm)	B (mm)	Kg
25	20	80
25	20	130
25	20	130

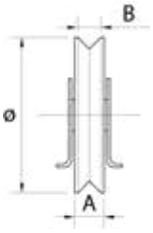




RODA EM NYLON C/ SUPORTE SOLDAR - GOLA V/U

Ref.	Ø (mm)	Preço	Inox	Cx.
N311 (V) N312 (U)	60	12,03 €	13,44 €	12
	80	13,73 €	15,29 €	10
	100	16,16 €	18,32 €	

A (mm)	B (mm)	Kg
16	12	80
20	16	130
20	16	130

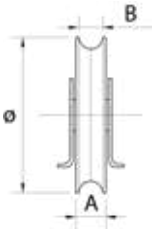




RODA EM NYLON C/ SUPORTE SOLDAR - CANAL 20 - GOLA V/U

Ref.	Ø (mm)	Preço	Cx.
N351 (V) N352 (U)	60	10,93 €	12
	80	13,51 €	10
	100	18,85 €	

A (mm)	B (mm)	Kg
25	20	80
25	20	130
25	20	130



Capacidade de Carga para 2 Unidades



RODA EM NYLON C/ SUPORTE 2 FUROS - GOLA V/U

Ref.	Ø (mm)	Preço	Inox	Cx.
N411 (V) N412 (U)	60	13,18 €	14,75 €	12
	80	15,42 €	17,19 €	10
	100	17,92 €	20,31 €	

A (mm)	B (mm)	Kg
16	12	80
20	16	130
20	16	130





RODA EM NYLON C/ SUPORTE 2 FUROS - CANAL 20 - GOLA V/U

Ref.	Ø (mm)	Zincado	Inox	Cx.
N451 (V) N452 (U)	60	14,03 €		12
	80	16,56 €	19,10 €	10
	100	19,76 €		

A (mm)	B (mm)	Kg
25	20	80
25	20	130
25	20	130

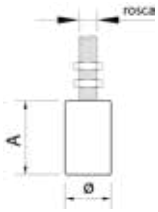




ROLETO EM NYLON

Ref.	Ø (mm)	Zincado	Inox	Cx.
NL	25	1,51 €	6,61 €	50
	28	1,88 €	7,35 €	
	30	1,95 €	7,57 €	
	40	2,93 €	11,90 €	20
	40*60	3,81 €		

A (mm)	Rosca
28	M12
34	M14
34	M14
40	M14
60	M14

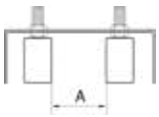




PLACA GUIA C/ 2 ROLETOS

Ref.	Ø (mm)	Zincado	Inox	Cx.
PG2	30	12,47 €	21,80 €	12
	40	15,58 €	30,79 €	

A (mm)
30-75
20-70





PLACA GUIA C/ 4 ROLETOS

Ref.	Ø (mm)	Zincado	Inox	Cx.
PG4	30	18,69 €	47,63 €	12
	40	21,49 €	65,60 €	

A (mm)
30-75
20-60

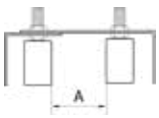




PLACA GUIA REGULÁVEL

Ref.	Ø (mm)	Preço	Cx.
PGR	30	24,95 €	12
	40	37,42 €	

A (mm)
20-65
20-60



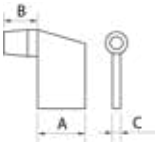
Capacidade de Carga para 2 Unidades



BATENTE P/ CHUMBAR

Ref.	Zincado	Cx.
420	4,75 €	20
421	7,32 €	

A (mm)	B (mm)	C (mm)
50	27	6
70	32	10

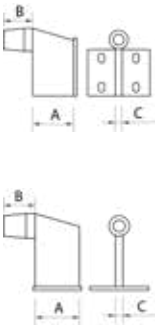




BATENTE P/ APARAFUSAR NO PAVIMENTO/ PAREDE

Ref.	Preço	Cx.
430 P	13,38 €	10
431 P	14,63 €	
430 PAV	13,38 €	
431 PAV	14,63 €	

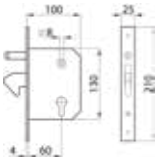
A (mm)	B (mm)	C (mm)
50	27	6
70	32	10
50	27	6
70	32	10





FECHADURA DE GANCHO C/ PERNO DE SEGURANÇA

Ref.	Medida	Preço	Cx.
555/60	60	23,81 €	12

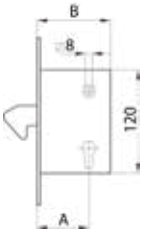




FECHADURA DE GANCHO C/ CILINDRO

Ref.	Medida	Preço	Cx.
555	30	39,41 €	12
	40		
	50		

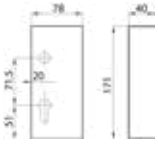
A (mm)	B (mm)
30	56
40	66
50	76





CAIXA P/ FECHADURA

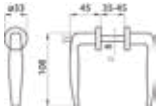
Ref.	Preço	Cx.
CX/555	8,80 €	12





MANIPULO

Ref.	Preço	Cx.
M/500	8,52 €	5





GUIA EM V

Ref.	Comp.	Galvanizado	Inox
G 100	3/6 m	11,47€/metro	35,45€/metro

A (mm)	B (mm)
15	15



GUIA EM U - CANAL 16

Ref.	Comp.	Galvanizado	Inox
G 200	3/6 m	11,47€/metro	35,45€ /metro

A (mm)	B (mm)
15	15



GUIA EM U - CANAL 20

Ref.	Comp.	Galvanizado	Inox
G 220	3/6 m	11,47€/metro	35,45€/metro

A (mm)	B (mm)
19	16,5



GUIA DE CHUMBAR EM U - CANAL 16

Ref.	Comp.	Galvanizado
G 300	3/6 m	23,40€/metro

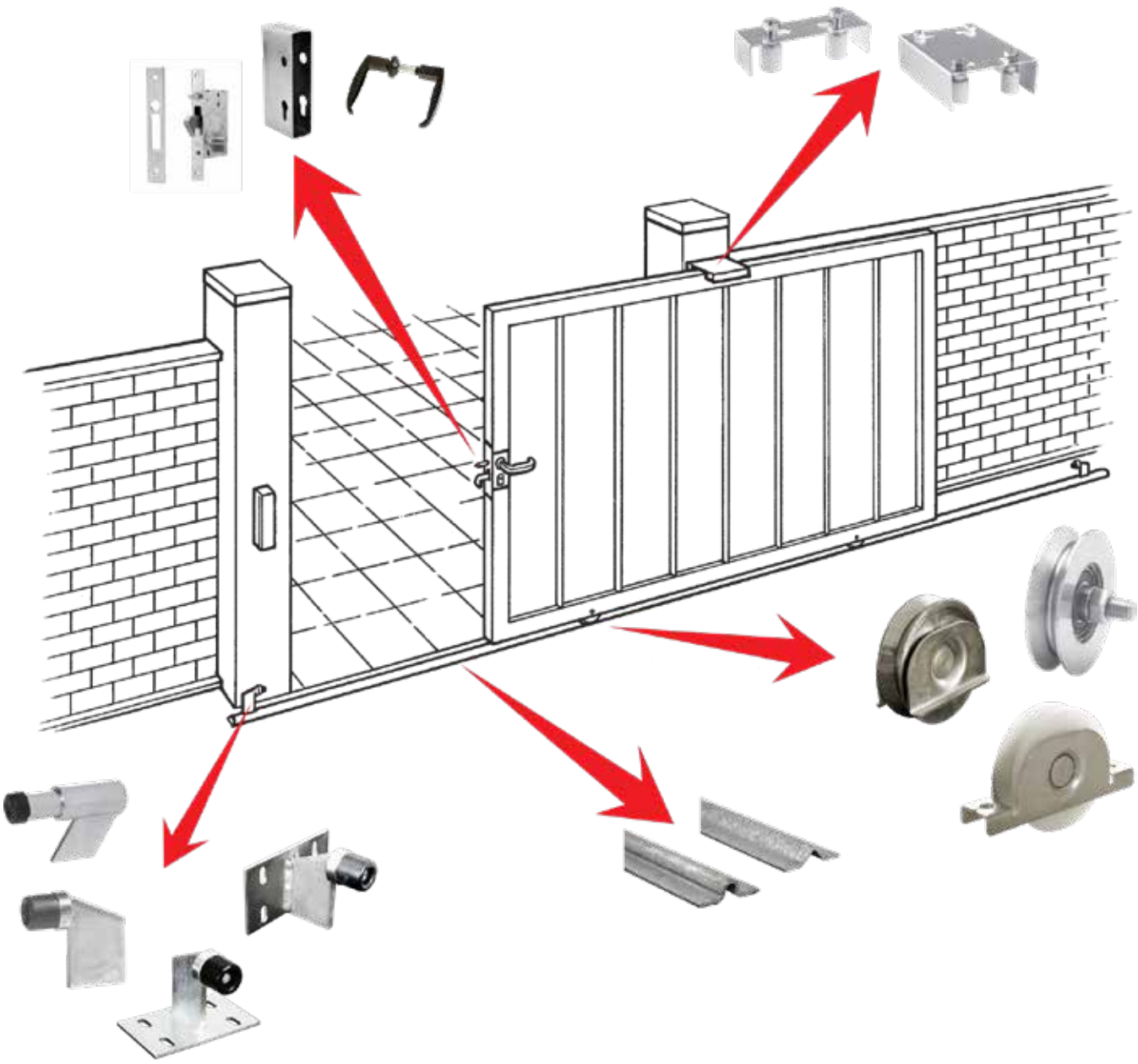
A (mm)	B (mm)
15	44



GUIA DE CHUMBAR EM U - CANAL 20

Ref.	Comp.	Galvanizado
G 320	3/6 m	23,40€/metro

A (mm)	B (mm)
19	55



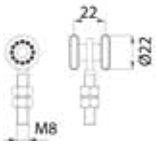
D ACESSÓRIOS PORTÕES SUSPENSOS



CARRO Nº10

Ref.	Preço	CX.
10	2,22 €	100
10 NY		

ROSCA	Ø	Kg
M8	22	70

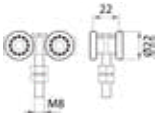




CARRO Nº10 DUPLO

Ref.	Preço	CX.
10 D	5,24 €	50
10D NY		

ROSCA	Ø	Kg
M8	22	100

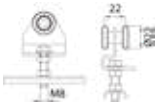




CARRO Nº12

Ref.	Preço	CX.
12	3,50 €	25

ROSCA	Ø	Kg
M8	22	70

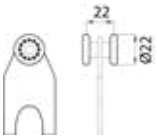




CARRO Nº12 C/ PATILHA DIREITA

Ref.	Preço	CX.
12 Dtª	4,29 €	50

Ø	Kg
22	70

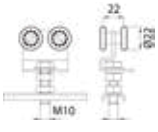




CARRO Nº14

Ref.	Preço	CX.
14	5,17 €	25
14 Ø25		

ROSCA	Ø	Kg
M10	22	120



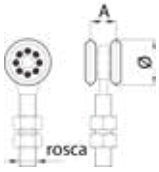
Capacidade de Carga para 2 Unidades



CARRO Nº35 SIMPLES

Ref.	Preço	CX.
35S 40	5,78 €	25
35S 54	18,52 €	10

A	ROSCA	Ø	Kg
25	M12	40	200
30	M20	54	400

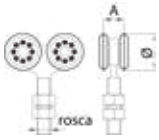




CARRO Nº35 DUPLO

Ref.	Preço	CX.
35D 40	8,81 €	25
35D 54	29,98 €	8

A	ROSCA	Ø	Kg
25	M12	40	600
30	M20	54	750

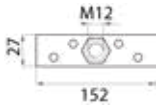




TRAVESSÃO T35

Ref.	Preço	CX.
T35	7,40 €	50

ROSCA	A	B
M12	27	152





GUIA 35

Ref.	Preço	CX.
G35	4,40 €	50

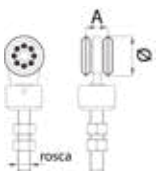
ROSCA	A	B	C
M15	27	110	22



CARRO Nº40 SIMPLES GIRATÓRIO

Ref.	Preço	CX.
40S 44	24,08 €	10
40S 54	39,84 €	10

A	ROSCA	Ø	Kg
22,5	M12	44	200
30	M218	54	400



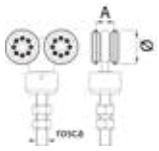
Capacidade de Carga para 2 Unidades



CARRO Nº40 DUPLO GIRATÓRIO

Ref.	Preço	CX.
40D 44	38,01 €	10
40D 54	47,33 €	6

A	ROSCA	Ø	Kg
22,5	M12	44	600
30	M18	54	750

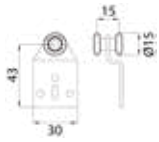




CARRO Nº20

Ref.	Preço	CX.
20	2,86 €	50

A	B	Ø	Kg
43	30	15	30

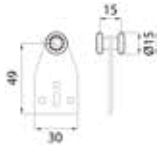




CARRO Nº20 C/ PATILHA DIREITA

Ref.	Preço	CX.
20 Dt.ª	3,45 €	50

A	B	Ø	Kg
49	30	15	30

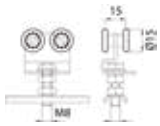




CARRO Nº20 DUPLO

Ref.	Preço	CX.
20D	5,91 €	50

ROSCA	Ø	Kg
M8	15	30

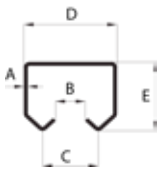




CALHA APOLO

Ref.	Preço	Comp.
F71	5,93€/metro	6 m
F73	8,39€/metro	
F74	15,50€/metro	
F76	22,45€/metro	

A	B	C	D	E
1	8	15	25	18,5
1,2	11	22	34	31
2,5	9,5	22,5	42	54
3	12	30	58	99



Capacidade de Carga para 2 Unidades

D ACESSÓRIOS PORTÕES FOLHA

FECHO SERRALHEIRO (CHAPA 3,0MM)



5/16					
Ref.	**Medida**	**Ferro**	**Zincado**	**Inox**	**Cx**
166 166i INOX	3"	0,75 €	0,81 €	5,05 €	24
	3 1/2"	0,81 €	0,89 €	5,21 €	
	1/2p	0,88 €	1,02 €	5,32 €	
	3/4p	0,92 €	1,05 €	5,84 €	
	1p	0,93 €	1,07 €	6,17 €	
	1 1/2p	1,12 €	1,44 €		

Ø (mm)	A (mm)
8	90
	95
	100
	160
	210
	310



FECHO SERRALHEIRO (CHAPA 3,0MM)



3/8					
Ref.	**Medida**	**Ferro**	**Zincado**	**Inox**	**Cx**
166 166i INOX	1/2p	1,04 €	1,11 €	5,92 €	12
	3/4p	1,12 €	1,22 €	6,53 €	
	1p	1,20 €	1,37 €	7,74 €	
	1 1/2p	1,51 €	1,72 €	13,66 €	
	2p	3,00 €	3,41 €	17,82 €	

Ø (mm)	A (mm)
10	130
	160
	210
	310
	410

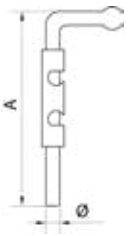


FECHO SERRALHEIRO (CHAPA 3,0MM)



4/8					
Ref.	**Medida**	**Ferro**	**Zincado**	**Inox**	**Cx**
166 166i INOX	1/2p	1,33 €	1,57 €	8,69 €	12
	3/4p	1,42 €	1,68 €	9,68 €	
	1p	1,73 €	2,04 €	11,21 €	
	1 1/2p	1,96 €	2,29 €	14,70 €	
	2p	4,53 €	4,61 €	25,91 €	
	2 1/2p	6,89 €	6,97 €	32,47 €	
	3	7,06 €	7,98 €	35,52 €	

Ø (mm)	A (mm)
12	130
	160
	210
	310
	410
	530
	620

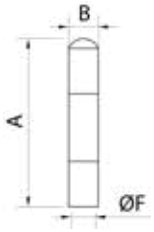


OLHAL TORNEADO 820



Ref.	Medidas	Ferro	Zincado	Inox	Cx
820 820i INOX	50*11	0,49 €	0,59 €	2,21 €	25
	64*11	0,62 €	0,67 €	2,60 €	
	76*12	0,84 €	0,91 €		
	76*14	0,90 €	1,00 €	3,20 €	
	76*15	0,92 €	1,07 €		
	80*15	0,94 €	1,09 €	4,53 €	
	80*18	1,29 €	1,40 €	5,33 €	
	90*15	1,96 €	2,11 €		
	90*18	1,98 €	2,14 €	6,10 €	
	90*20	2,00 €	2,13 €		
	100*20	2,03 €	2,19 €	8,14 €	
	120*20	2,14 €	2,51 €	11,14 €	
	125*25*11			12,69 €	
	125*25*14	5,99 €	6,64 €		
	150*25*14	9,96 €	10,02 €		12

A (mm)	B (mm)	ØF
50	11	6
64	11	6
76	12	7
76	14	7
76	15	7
80	15	7
80	18	8
90	15	7
90	18	8
90	20	8
100	20	11
120	20	11
125	25	11
125	25	14
150	25	14

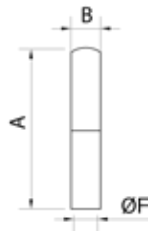


OLHAL TORNEADO 819



Ref.	Medidas	Ferro	Zincado	Inox	Cx
819 819i INOX	50*11	0,71 €	0,77 €	2,40 €	25
	64*11	1,13 €	1,19 €	2,84 €	
	76*14	1,45 €	1,55 €	3,51 €	
	80*15	1,67 €	1,80 €	4,56 €	
	80*18	1,69 €	1,92 €	5,65 €	
	90*18	1,93 €	2,14 €	6,88 €	
	100*20	2,65 €	2,80 €	8,99 €	
	120*20	2,86 €	3,31 €	12,63 €	
	125*25*11	4,28 €	5,11 €	13,83 €	
	125*25*14	4,48 €	4,83 €		

A (mm)	B (mm)	ØF
50	11	6
64	11	6
76	14	7
80	15	7
80	18	8
90	18	8
100	20	11
120	20	11
125	25	11
125	25	14

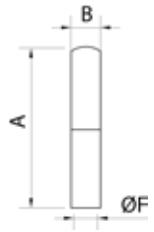


OLHAL TORNEADO 819B C/ FIEL DE TIRAR



Ref.	Medidas	Ferro	Zincado	Cx
819 Fiel de tirar	50*11	0,85 €	0,88 €	25
	64*11	0,91 €	0,95 €	
	76*14	1,26 €	1,44 €	
	80*15	1,62 €	1,75 €	
	80*18	2,37 €	2,48 €	
	90*18	2,51 €	2,62 €	
	100*20	2,85 €	2,96 €	

A (mm)	B (mm)	ØF
50	11	6
64	11	6
76	14	7
80	15	7
80	18	8
90	18	8
100	20	11

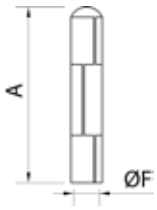


OLHAL ENROLADO 822



Ref.	Medidas	Ferro	Zincado	Cx
822	1/4"	0,36 €	0,41 €	50
	5/16"	0,49 €	0,58 €	
	3/8"	1,04 €	1,19 €	
	4/8"	1,06 €	1,16 €	
	5/8"	1,74 €	2,14 €	30

A (mm)	ØF
70	6
81	8
95	10
108	12
130	15

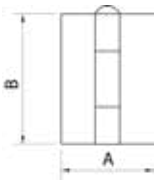


OLHAL C/ ABA (NORMAL/ QUINADA)

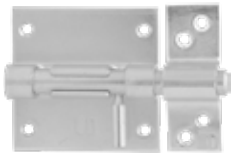


Ref.	Medidas	Ferro	Zincado	Cx
80	80	2,21 €	2,46 €	25
	100	3,38 €	3,80 €	
	120	4,33 €	4,81 €	

A (mm)	B (mm)
60	80
	100
	120

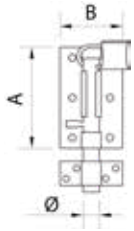


FECHO CADEADO



Ref.	Medidas	Zincado	*Aba Curta	Cx
467	70	2,77 €	2,97 €	12
	85	2,91 €	3,11 €	
	100	3,17 €	3,37 €	
	120	3,96 €	4,16 €	

A (mm)	B (mm)	Ø
70	68	12
85	68	12
100	68	12
120	72	14



DOBRADIÇA EM PERFIL C/ ANILHA EM LATÃO



Ref.	Medidas	Zincado	Cx
1000	40	1,25 €	60
	60	1,30 €	40
	80	1,49 €	
	100	1,94 €	
	120	2,40 €	20
	140	2,87 €	
	160	8,50 €	10
	180	8,71 €	
	200	9,10 €	

A (mm)	B (mm)
40	18
60	28
80	38
100	48
120	58
140	68
160	78
180	87
200	100

DOBRADIÇA ESTAMPADA C/2 ELOS



Ref.	Medidas	Zincado	Cx
1200	60	1,14 €	40
	80	1,35 €	
	100	1,47 €	
	120	1,75 €	25
	140	2,09 €	
	170	4,60 €	15
	200	4,98 €	10

A (mm)	B (mm)
60	27
80	37
100	46
120	55
140	65
170	80
200	95

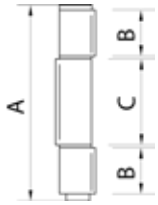


DOBRADIÇA ESTAMPADA C/3 ELOS



Ref.	Medidas	Zincado	Cx
1300	80	1,05 €	40
	100	1,32 €	
	120	1,69 €	25
	140	1,95 €	
	170	3,12 €	15
	200	3,64 €	10

A (mm)	B (mm)	C (mm)
80	17,5	35
100	21,5	43
120	27	55
140	32	65
170	39	81
200	46,5	95



DOBRADIÇA EM AÇO P/ SOLDAR



Ref.	Medidas	Zincado	Cx
1100	18	9,35 €	12
	20	9,61 €	
	22	12,31 €	
	24	14,15 €	

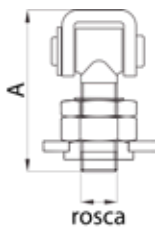
A (mm)	ROSCA	Kg
83	M18	65
87	M20	75
87	M22	100
102	M24	110

DOBRADIÇA EM AÇO P/ SOLDAR REGULÁVEL



Ref.	Medidas	Zincado	Cx
1101	18	11,72 €	12
	20	12,46 €	
	22	15,01 €	
	24	17,10 €	

A (mm)	ROSCA	Kg
83	M18	65
87	M20	75
87	M22	100
102	M24	110



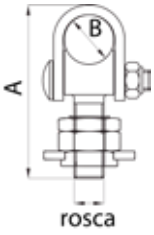
Capacidade de Carga para 2 Unidades



DOBRADIÇA EM AÇO P/ SOLDAR REGULÁVEL

Ref.	Medidas	Zincado	Cx
1102	18	20,70 €	12
	22	25,01 €	

A (mm)	B (mm)	ROSCA	Kg
103	30	M18	50
116	35	M22	80

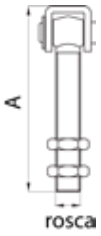




DOBRADIÇA EM AÇO C/ HASTE COMPRIDA

Ref.	Medidas	Zincado	Cx
1103	18	16,12 €	12
	22	17,18 €	6

A (mm)	ROSCA	Kg
180	M18	65
205	M22	100

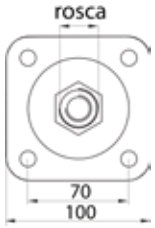




PLACA COM REGULAÇÃO HORIZONTAL

Ref.	Medidas	Zincado	Cx
PR	18	10,61 €	12
	20	11,82 €	
	22	13,21 €	
	24	15,01 €	

ROSCA	Kg
M18	65
M20	75
M22	100
M24	110

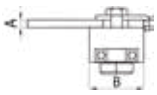




PIVOT SUPERIOR C/ ROLAMENTO

Ref.	Ø	Zincado	Cx
120	40	16,51 €	10
	50	20,37 €	
	65	45,32 €	4

A (mm)	B (mm)	Kg
6	40	80
6	50	200
8	65	300

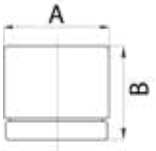




PIVOT INFERIOR C/ ROLAMENTO

Ref.	Ø	Zincado	Cx
125	40	12,34 €	10
	50	17,13 €	
	65	38,80 €	4

A (mm)	B (mm)	Kg
40	35	70
50	40	200
65	46	300



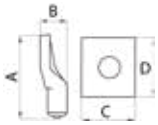
Capacidade de Carga para 2 Unidades



PIVOT E PLACA INFERIOR P/ PORTÃO

Ref.	Medidas	Zincado	Cx
130	18	6,02 €	12
	22	8,15 €	

A (mm)	B (mm)	C (mm)	D (mm)
86	28	60	70
100	32		

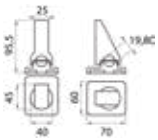




PIVOT INFERIOR C/ ESFERA

Ref.	Zincado	Cx
150	13,32 €	10

kg
80





BATENTE P/ APARAFUSAR

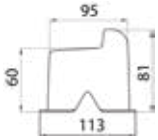
Ref.	Zincado	Cx
410	8,28 €	12





BATENTE P/ CHUMBAR

Ref.	Zincado	Cx
411	8,31 €	12



Capacidade de Carga para 2 Unidades

TOPO P/ PILAR REDONDO

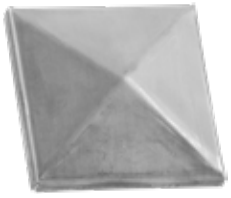


Ref.	Medida	Ferro	Cx
TR	30	0,96 €	50
	33	0,99 €	
	42	1,05 €	
	48	1,13 €	
	60	1,46 €	
	76	1,79 €	
	90	2,27 €	
	101	2,75 €	
	114	4,38 €	

A (mm)	B (mm)
34	21
37	21
46	21
52	28
64	30
80	32
94	32
105	32
118	32

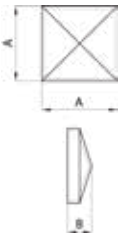


TOPO P/ PILAR QUADRADO



Ref.	Medida	Ferro	Cx
TQ	20	0,63 €	50
	30	0,68 €	
	40	0,70 €	
	50	0,72 €	
	60	0,87 €	
	80	1,16 €	
	100	1,71 €	
	120	2,07 €	
	150	3,63 €	
	175	5,26 €	
	200	6,79 €	

A (mm)	B (mm)
24	11
34	12
44	14
54	16
64	19
84	21
104	25
124	28
154	34
179	36
204	38

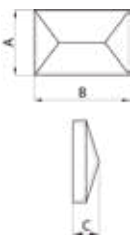


TOPO P/ PILAR RECTANGULAR



Ref.	Medida	Ferro	Cx
TRT	20*30	0,68 €	50
	20*40	0,81 €	
	30*50	1,12 €	
	30*60	1,38 €	
	40*60	1,49 €	
	40*80	1,77 €	
	50*100	2,30 €	

A (mm)	B (mm)	C (mm)
24	34	12
24	44	12
34	54	14
34	64	14
44	64	16
44	84	16
54	104	20

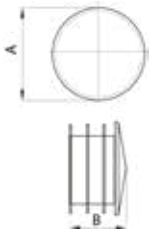


TOPO P/ PILAR REDONDO EM PLÁSTICO



Ref.	Medida	Plástico	Cx
TR/P	10	0,13 €	50
	15	0,14 €	
	19	0,15 €	
	25	0,21 €	
	30	0,30 €	
	35	0,32 €	
	40	0,34 €	
	45	0,38 €	
	50	0,50 €	
	60	0,68 €	
	80	1,31 €	
	100	2,18 €	

A (mm)	B (mm)
12	10
15	11
20	17
25	17
30	20
35	22
40	22
45	22
50	22
60	22
80	23
100	35

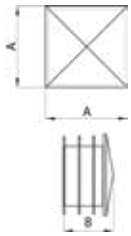


TOPO P/ PILAR QUADRADO EM PLÁSTICO



Ref.	Medida	Plástico	Cx
TQ/P	12	0,13 €	50
	15	0,16 €	
	16	0,18 €	
	20	0,19 €	
	25	0,21 €	
	30	0,22 €	
	35	0,27 €	
	40	0,29 €	
	50	0,39 €	
	60	0,72 €	
	80	1,46 €	
	100	2,37 €	

A (mm)	B (mm)
12	12
15	14
16	14
20	15
25	20
30	20
35	19
40	20
50	25
60	25
80	30
100	30

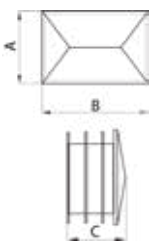


TOPO P/ PILAR RECTANGULAR EM PLÁSTICO



Ref.	Medida	Plástico	Cx
TRT/P	15*30	0,16 €	50
	20*30	0,18 €	
	20*40	0,23 €	
	25*40	0,30 €	
	30*40	0,32 €	
	30*50	0,64 €	
	30*60	0,65 €	
	30*100	0,68 €	
	40*60	0,70 €	
	40*80	0,96 €	

A (mm)	B (mm)	C (mm)
15	30	12,5
20	30	14
20	40	15
25	40	16
30	40	18
30	50	18
30	60	22
30	100	19
40	60	24
40	80	24,5





FECHADURAS ELÉCTRICAS



FECHADURA S/ BOTÃO CHAVE-CHAVE (12v)

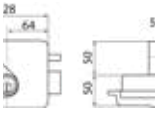
Ref.	Preço	Cx
2170 D	58,41 €	8
2170 E		





FECHADURA CHAVE-CHAVE-BOTÃO (12v)

Ref.	Preço	Cx
2770 D	58,41 €	8
2770 E		





BOBINE (12v)

Ref.	Preço	Cx
2170	13,97 €	8
2770		



MOLA P/ PORTA (40/65 KG)

Ref.	Preço	Cx
65	25,33 €	10
85	35,27 €	



FECHADURA (12v) - REVERSIVEL

Ref.	Preço	Cx
2773/REV	72,00 €	8
2774/REV	72,00 €	8

Obs.
C/BOTÃO
S/BOTÃO



CILINDROS



CILINDRO EURO-LINE

Ref.	Medida	Niquelado	Cx
CL150	30-30	8,58 €	10
	30-40	9,41 €	
	30-50	sob consulta	
	30-60	sob consulta	



CILINDRO DE SEGURANÇA

Ref.	Medida	Niquelado	Cx
HS 5	30-30	9,67 €	10
	30-40	10,62 €	
	30-50	11,84 €	
	30-60	sob consulta	
	50-50	sob consulta	



CILINDRO DE ALTA SEGURANÇA

Ref.	Medida	Niquelado	Cx
HS 10	30-30	29,00 €	10

FECHADURA DE EMBUTIR



FECHADURA 102/85

Ref.	Medida	Niquelado	Cx	Obs.
102/85	20	11,84 €	10	Sem Cilindro nem testa
	25			
	30			
	35			

D FERRAGENS DIVERSAS

DOBRADIÇA Nº816



Ref.	Medida	Zincado	Cx
816	3/4"	0,42 €	24
	7/8"	0,44 €	
	1"	0,46 €	
	1 1/4"	0,48 €	
	1 1/2"	0,50 €	
	1 3/4"	0,58 €	
	2"	0,60 €	
	2 1/2"	0,82 €	
	2 1/4"	1,20 €	
	3"	1,22 €	

A (mm)
19,05
23,00
25,40
31,75
38,10
44,45
50,80
63,50
57,15
76,20

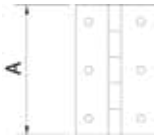


DOBRADIÇA Nº5001



Ref.	Medida	Zincado	Cx
5001	3/4"	0,24 €	24
	1"	0,28 €	
	1 1/4"	0,29 €	
	1 1/2"	0,31 €	
	1 3/4"	0,32 €	
	2"	0,36 €	
	2 1/4"	0,43 €	
	2 1/2"	0,45 €	
	3"	0,54 €	

A (mm)
19,05
25,40
31,75
38,10
44,45
50,80
57,15
63,50
76,20

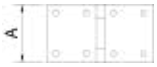


DOBRADIÇA Nº40 PINTADA



Ref.	Medida	Preço	Cx
40	1 1/2"	1,06 €	12
	1 3/4"	1,12 €	
	2"	1,31 €	
	2 1/4"	1,44 €	
	2 1/2"	1,51 €	
	2 3/4"	1,84 €	
	3"	2,34 €	
	3 1/4"	2,59 €	
	3 1/2"	3,04 €	
	4"	3,93 €	

A (mm)
38,10
44,45
50,80
57,15
63,50
69,85
76,20
82,55
88,90
101,60



DOBRADIÇA PARA CHUMBAR PÉ QUADRADO



Ref.	Medida	Preço	Cx
50	1 1/2"	1,16 €	12
	1 3/4"	1,99 €	
	2"	2,01 €	
	2 1/4"	2,09 €	
	2 1/2"	2,15 €	
	2 3/4"	2,21 €	
	3"	2,38 €	
	3 1/4"	3,93 €	
	3 1/2"	3,99 €	
	4"	4,21 €	

A (mm)
38,10
44,45
50,80
57,15
63,50
69,85
76,20
82,55
88,90
101,60

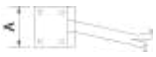


DOBRADIÇA PARA CHUMBAR CIMENTO

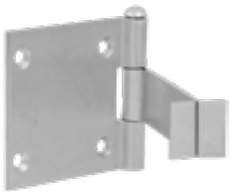


Ref.	Medida	Pintado	Cx
51	1 1/2"	1,67 €	12
	1 3/4"	1,84 €	
	2"	1,90 €	
	2 1/4"	2,25 €	
	2 1/2"	2,31 €	
	2 3/4"	2,35 €	
	3"	2,39 €	
	3 1/4"	2,74 €	
	3 1/2"	3,11 €	
	4"	4,26 €	

A (mm)
38,10
44,45
50,80
57,15
63,50
69,85
76,20
82,55
88,90
101,60



CHUMBADOURO Nº57



Ref.	Medida	Zincado	Cx
57	1 1/2"	2,59 €	12
	1 3/4"	2,95 €	
	2"	3,35 €	
	2 1/4"	3,39 €	
	2 1/2"	3,47 €	
	2 3/4"	3,98 €	
	3"	4,45 €	
	3 1/2"	5,36 €	
	4"	6,66 €	

A (mm)
38,10
44,45
50,80
57,15
63,50
69,85
76,20
88,90
101,60

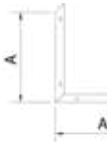


CANTO Nº38



Ref.	Medida	Zincado	Cx
38	1 1/2"	0,21 €	100
	2"	0,24 €	
	2 1/2"	0,28 €	
	3"	0,35 €	

A (mm)
38,1
50,8
63,5
76,2

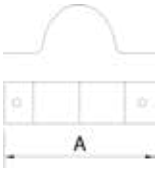


GRAMPO BORDÃO



Ref.	Medida	Preço	Cx
167	5/16	0,31 €	12
	3/8	0,32 €	
	4/8	0,36 €	

A (mm)
31
33
37

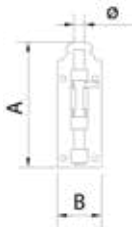


FECHO BORDÃO



Ref.	Medida	5/16	3/8	4/8	Cx
167	1/2p	1,19 €	1,28 €	1,49 €	12
	3/4p	1,44 €	1,53 €	1,78 €	
	1p	1,65 €	1,76 €	2,16 €	
	1 1/2p	1,90 €	2,04 €	2,76 €	
	2p	2,75 €	3,69 €	4,44 €	
	Ø (mm)	8	10	12	
	B (mm)	30	33	37	

A (mm)
113
117
222
312
410

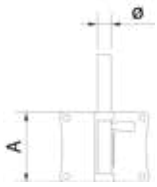


FECHO BAIONETA Nº1



Ref.	Medida	Zincado	Cx
Nº1	25	0,76 €	12
	30	0,84 €	
	35	0,90 €	
	40	1,05 €	

A (mm)	Ø (mm)
25	6,5
30	
35	
40	

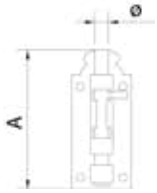


FECHO BAIONETA Nº2



Ref.	Medida	Zincado	Cx
Nº2	2"	0,92 €	12
	2 1/2"	1,00 €	
	3"	1,04 €	
	3 1/2"	1,06 €	
	4"	1,07 €	

A (mm)	Ø (mm)
50,8	6,5
63,5	
76,2	
88,9	
101,6	





FECHO DE ESTORE C/ 1 ABA

Ref.	Preço	Cx
1 Aba	1,19 €	12

A (mm)	Ø (mm)
33	6

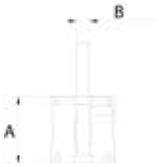




FECHO DE ESTORE C/ 2 ABAS

Ref.	Preço	Cx
2 Abas	1,29 €	12

A (mm)	Ø (mm)
37	6,5





LIGADOR EM CHAPA

Ref.	Zincado	Cx
Lig.	0,32 €	500



CHAPA CABIDE Nº371

Ref.	Zincado	Cx
371	0,13 €	100

A (mm)	B (mm)
80	15,4

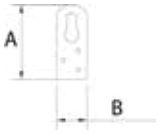




CHAPA CABIDE Nº372

Ref.	Zincado	Cx
372	0,10 €	100

A (mm)	B (mm)
48	15,4

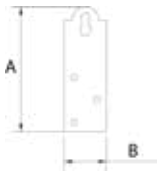




CHAPA CABIDE Nº373

Ref.	Zincado	Cx
373	0,17 €	100

A (mm)	B (mm)
80	25





ROLDANA 117

Ref.	Preço	Cx
117	2,12 €	50



ROLDANA 118

Ref.	Preço	Cx
118	2,12 €	50



ROLDANA 119

Ref.	Preço	Cx
119	2,12 €	50



ROLDANA 120

Ref.	Preço	Cx
120	1,52 €	50



ROLDANA 121 - INOX

Ref.	Preço	Cx
121	4,88 €	50



GRELHAS GALVANIZADAS

Ref.	Preço/ uni	Quant.
GR100	7,67 €	50
GR120	9,21 €	
GR150	11,07 €	
GR200	15,12 €	
GR250	29,38 €	

OBS: comprimento - 1 metro