



***tolemat***

*Metalúrgica LTDA*

# ÍNDICE

CANAL V .....	Pag 4
MECÂNICA DE 1/2" .....	Pag 11
MECÂNICA DE 5/8" .....	Pag 16
MECÂNICA DE 3/4" .....	Pag 22
MECÂNICA U 7/8" TUBO DE 1/2" .....	Pag 27
MECÂNICA U 1" TUBO DE 3/4" .....	Pag 33
QUADRADO DE 1/4" .....	Pag 36
QUADRADO DE 5/16" .....	Pag 37
QUADRADO DE 3/8" .....	Pag 38
QUADRADO DE 1/2" .....	Pag 39
ROLDANA LISA .....	Pag 41
ROLDANA CABO DE AÇO .....	Pag 43
GUIAS .....	Pag 44
KIT PARA PORTÃO .....	Pag 51
RODÍZIOS.....	Pag 52
DOBRADIÇAS PARA PORTÃO.....	Pag 58
TRINCOS.....	Pag 60
FECHO AUTOMÁTICO.....	Pag 62
TRANQUETAS.....	Pag 62
GONZOS.....	Pag 62

DOBRADIÇA .....	Pag 65
ALAVANCAS .....	Pag 66
PUNHO DE FERRO.....	Pag 68
PUXADOR .....	Pag 68
CAVALETE DE FERRO .....	Pag 69
PONTEIRAS.....	Pag 70
CAIXA PARA PORTA DE AÇO MODELO RN.....	Pag 72
GUIA PORTA DE AÇO .....	Pag 74
PEDAL PORTA DE AÇO.....	Pag 74
MAÇAL PORTA DE AÇO.....	Pag 74
REBITE DE FERRO.....	Pag 75
FITA LATERAL PORTA DE AÇO.....	Pag 75

The background is a complex, abstract composition of overlapping geometric shapes. It features large, solid red triangles and rectangles, a prominent black triangle pointing downwards, and various shades of gray and white rectangular blocks. The shapes are layered, creating a sense of depth and movement. The overall aesthetic is modern and minimalist.

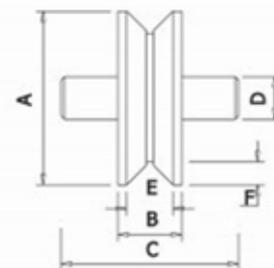
***CANAL V***





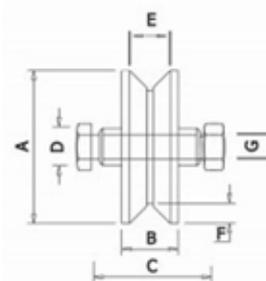
**ROLDANA CANAL V - PINO**

CÓDIGO	REF:	A	B	C	D	E	F	EMBAL.
011300	1 1/2"	37,5	14	33	8	9	4,5	100
011301	2"	49	19	40	12	13	7	50
011302	2 1/2"	62	20	45	15	15	7,5	40
011303	3"	74	20	45	15	15	7,5	25
011304	3 1/2"	87	21	45	17	15	8	20
011305	4"	100	21	45	17	15	8	15
011306	5"	125	27	46	20	20	10	4
011307	6"	148	27	46	25	20	10	4
011308	7"	178	27	46	25	20	10	2
011309	8"	200	27	46	25	20	10	2
A11301	2"	49	19	50	12	13	7	50
A11302	2 1/2"	62	20	50	15	15	7,5	40
A11303	3"	74	20	50	15	15	7,5	25



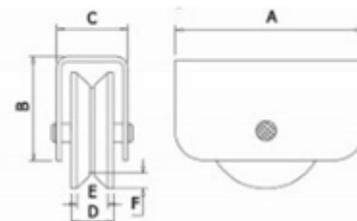
**ROLDANA CANAL V BUCHA - PARAFUSO**

CÓDIGO	REF:	A	B	C	D	E	F	G	EMBAL.
012300	1 1/2"	37,5	14	22	8	9,5	4,5	3/16"	100
012301	2"	49	19	25	12	13	7	5/16"	50
012302	2 1/2"	62	20	25	15	15	7,5	3/8"	40
012303	3"	74	20	25	15	15	7,5	3/8"	25
012304	3 1/2"	87	21	25	17	15	8	3/8"	20
012305	4"	100	21	25	17	15	8	3/8"	15
012306	5"	125	27	46	20	20	10	1/2"	4
012307	6"	148	27	46	25	20	10	1/2"	4
012308	7"	178	27	46	25	20	10	5/8"	2
012309	8"	200	27	46	25	20	10	5/8"	2



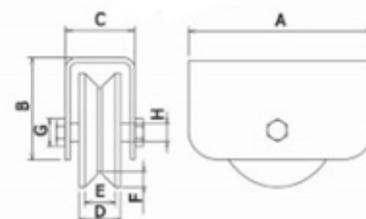
**ROLDANA CAIXA FECHADA CANAL V - REBITE**

CÓDIGO	REF:	A	B	C	D	E	F	EMBAL.
010310	1 1/2"	45	31	23	14	9,5	4,5	100
010311	2"	60	42	29	19	13	7	50
010312	2 1/2"	70	47	29	20	15	7,5	30
010313	3"	82	53	29	20	15	7,5	25
010314	3 1/2"	106	66	29	21	15	8	10
010315	4"	106	66	29	21	15	8	10



**ROLDANA CAIXA FECHADA CANAL V - PARAFUSO**

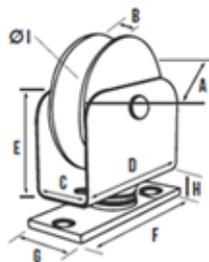
CÓDIGO	REF:	A	B	C	D	E	F	G	EMBAL.
013310	1 1/2"	45	31	23	14	9	4,5	1/4"	100
013311	2"	60	42	29	19	13	7	3/8"	50
013312	2 1/2"	70	47	29	20	15	7,5	3/8"	30
013313	3"	82	53	29	20	15	7,5	3/8"	25
013314	3 1/2"	106	66	29	21	15	8	3/8"	10
013315	4"	106	66	29	21	15	8	3/8"	10
013316	5"	190	140	52	27	20	10	1/2"	2
013317	6"	190	140	52	27	20	10	1/2"	2



LANÇAMENTO  
LANÇAMENTO

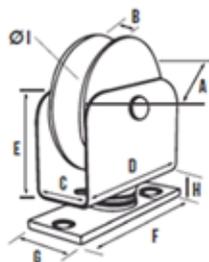
### ROLDANA GIRATÓRIA MOD. RJ CANAL V-REBITE

CÓDIGO	REF:	A	B	C	D	E	F	G	H	I	EMBAL.
610311	2"	49	19	25	60	42	67	48	15	7	20
610312	2 1/2"	62	20	25	70	47	67	48	15	7,5	10
610313	3"	74	20	25	82	53	67	48	15	7,5	10



### ROLDANA GIRATÓRIA MOD. RN CANAL V - REBITE

CÓDIGO	REF:	A	B	C	D	E	F	G	H	I	EMBAL.
910311	2"	49	19	25	60	42	81	32	10	7	20
910312	2 1/2"	62	20	25	70	47	81	32	10	7,5	10
910313	3"	74	20	25	82	53	81	32	10	7,5	10

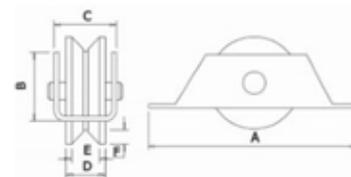


### ROLDANA CAIXA ABERTA CANAL V - REBITE

CÓDIGO	REF:	A	B	C	D	E	F	EMBAL.
010330	1 1/2"	100	22	20	14	9,5	4,5	50
010331	2"	120	24	25	19	13	7	50
010332	2 1/2"	136	38	30	20	15	7,5	30
010333	3"	150	40	30	20	15	7,5	25

### MODELO CAIXA LEVE

CÓDIGO	REF:	A	B	C	D	E	F	EMBAL.
810332	2 1/2"	136	30	26	16	13	7	30
810333	3"	136	30	26	16	13	7	25



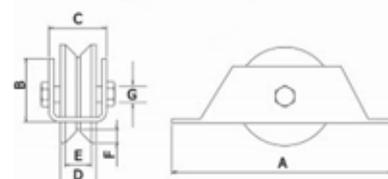
LANÇAMENTO

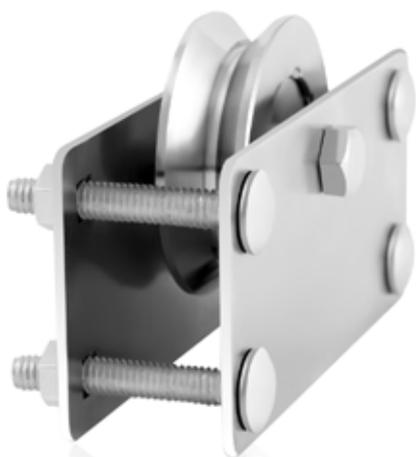
LANÇAMENTO



### ROLDANA CAIXA ABERTA CANAL V - PARAFUSO

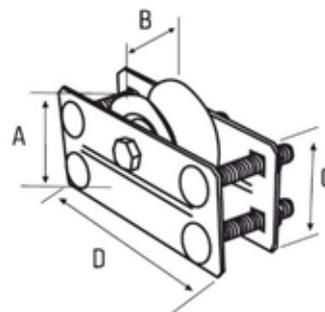
CÓDIGO	REF:	A	B	C	D	E	F	G	EMBAL.
013330	1 1/2"	100	22	20	14	9,5	4,5	1/4"	50
013331	2"	120	24	25	19	13	7	3/8"	50
013332	2 1/2"	136	38	30	20	15	7,5	3/8"	30
013333	3"	150	40	30	20	15	7,5	3/8"	25





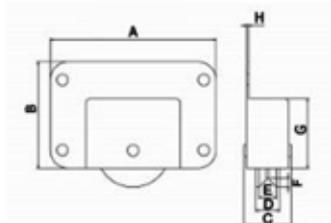
**ROLDANA CAIXA MADEIRA CANAL V**

CÓDIGO	REF:	A	B	C	D	EMBAL
010370	2"	60	32	60	120	20
010371	2 1/2"	60	32	60	131	20
010372	3"	60	32	60	131	20
010373	3 1/2"	85	32	85	150	10
010374	4"	85	32	85	150	10



**ROLDANA CAIXA LATERAL CANAL V**

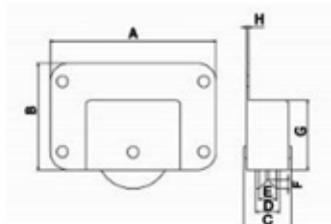
CÓDIGO	REF:	A	B	C	D	E	F	G	H	EMBAL
010375	2"	120	80	33	19	13	7	50	2,25	10
010376	2 1/2"	144	90	35	20	15	7,5	64	2,25	6
010377	3"	144	90	35	20	15	7,5	64	2,25	6



**LANÇAMENTO**

**ROLDANA CAIXA LATERAL MODELO MINAS  
CANAL V**

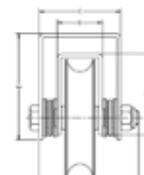
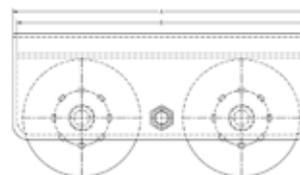
CÓDIGO	REF:	A	B	C	D	E	F	G	H	EMBAL
011375	2"	120	55	30	19	13	7	50	2,25	10
011376	2 1/2"	120	55	30	20	15	7,5	50	2,25	6
011377	3"	135	89	30	20	15	7,5	64	2,25	6



**LANÇAMENTO**

**ROLDANA CX. DUPLA OSCILANTE - TRUCK  
CANAL V**

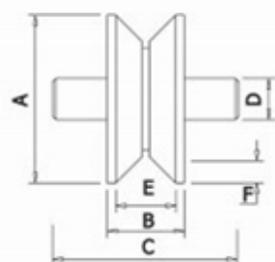
CÓDIGO	REF:	A	B	C	D	E	F	G	EMBAL
010400	2 1/2"	190	182	53	30	68	52	58	4
010401	3"	190	182	53	30	68	52	58	4
010402	4"	245	235	53	30	82	66	58	4





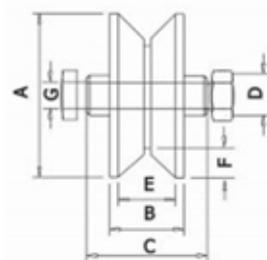
### ROLDANA CANAL V - PINO (2 ROLAMENTOS)

CÓDIGO	REF:	A	B	C	D	E	F	EMBAL.
211301	2"	49	26	55	12	13	7	25
211302	2 1/2"	62	26	55	15	15	7,5	25
211303	3"	74	26	55	15	20	7,5	10
211304	3 1/2"	87	26	55	17	20	8	10
211305	4"	100	29	55	17	20	8	10
211306	5"	125	33	55	20	20	10	4 À 6
211307	6"	148	33	55	25	20	10	4 À 6



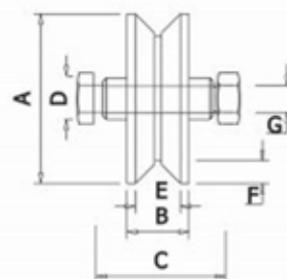
### CANAL V 2- BUCHA (2 ROLAMENTOS)

CÓDIGO	REF:	A	B	C	D	E	F	G	EMBAL.
212301	2"	49	26	36	12	13	7	5/16"	25
212302	2 1/2"	62	26	36	15	15	7,5	3/8"	25
212303	3"	74	26	36	15	20	7,5	3/8"	10
212304	3 1/2"	87	26	36	17	20	8	3/8"	10
212305	4"	100	29	36	17	20	8	3/8"	10
212306	5"	125	33	46	20	20	10	1/2"	4 À 6
212307	6"	148	33	46	25	20	10	1/2"	4 À 6



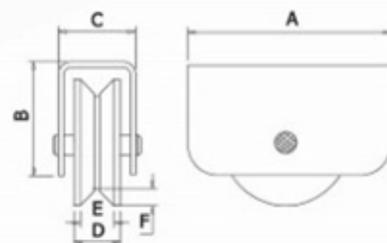
### ROLDANA CANAL V EM PP - PARAFUSO

CÓDIGO	REF:	A	B	C	D	E	F	G	EMBAL.
612300	1 1/2"	37,5	14	22	8	9,5	4,5	3/16"	100
612301	2"	49	19	25	12	13	7	5/16"	50
612302	2 1/2"	62	19	25	15	15	7,5	3/8"	40
612303	3"	74	19	25	15	15	7,5	3/8"	25
612305	4"	100	21	25	17	15	8	3/8"	20



### ROLDANA CAIXA FECHADA CANAL V EM PP - REBITE

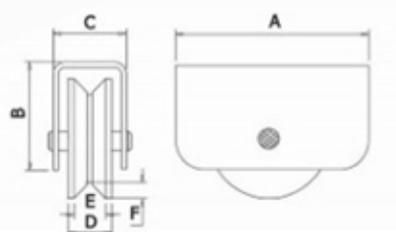
CÓDIGO	REF:	A	B	C	D	E	F	EMBAL.
614310	1 1/2"	45	31	23	14	9,5	4,5	100
614311	2"	60	42	29	19	13	7	50
614312	2 1/2"	70	47	29	19	15	7,5	30
614313	3"	82	53	29	19	15	7,5	25
614315	4"	106	66	29	21	15	8	10





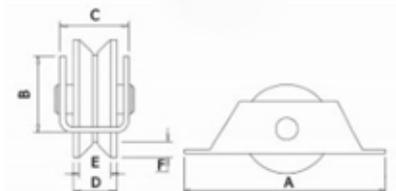
### ROLDANA CAIXA FECHADA CANAL V EM PP - PARAFUSO

CÓDIGO	REF:	A	B	C	D	E	F	G	EMBAL.
613310	1 1/2"	45	31	23	14	9,5	4,5	1/4"	100
613311	2"	60	42	29	19	13	7	3/8"	50
613312	2 1/2"	70	47	29	19	15	7,5	3/8"	30
613313	3"	82	53	29	19	15	7,5	3/8"	25
613315	4"	106	66	29	21	15	8	3/8"	10



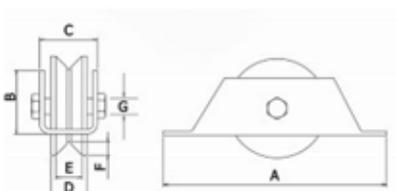
### ROLDANA CAIXA ABERTA CANAL V EM PP - REBITE

CÓDIGO	REF:	A	B	C	D	E	F	EMBAL.
614330	1 1/2"	100	22	20	14	9,5	4,5	100
614331	2"	120	24	25	17	13	7	50
614332	2 1/2"	136	38	30	19	15	7,5	40
614333	3"	150	40	30	19	15	7,5	25



### ROLDANA CAIXA ABERTA CANAL V EM PP - PARAFUSO

CÓDIGO	REF:	A	B	C	D	E	F	G	EMBAL.
613330	1 1/2"	100	22	20	14	9,5	4,5	1/4"	100
613331	2"	120	24	25	17	13	7	3/8"	50
613332	2 1/2"	136	38	30	19	15	7,5	3/8"	40
613333	3"	150	40	30	19	15	7,5	3/8"	25



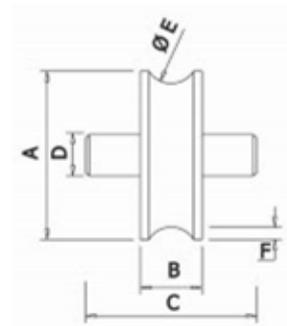


# MECÂNICA DE 1/2"



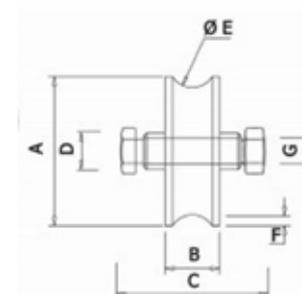
## ROLDANA MECÂNICA DE 1/2" - PINO

CÓDIGO	REF:	A	B	C	D	E	F	EMBAL.
021300	1 1/2"	37,5	14	33	8	1/2"	3	100
021301	2"	49	19	40	12	1/2"	5	50
021302	2 1/2"	62	20	45	15	1/2"	5	40
021303	3"	74	20	45	15	1/2"	5	25
021304	3 1/2"	87	21	45	17	1/2"	5	20
021305	4"	100	21	45	17	1/2"	5	15
021306	5"	125	27	46	20	1/2"	5	4
021307	6"	148	27	46	25	1/2"	5	4



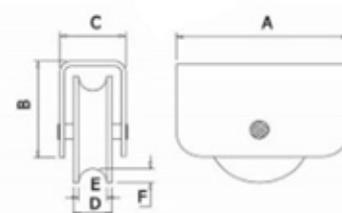
## ROLDANA MECÂNICA DE 1/2" - BUCHA

CÓDIGO	REF:	A	B	C	D	E	F	G	EMBAL.
022300	1 1/2"	37,5	14	22	8	1/2"	3	3/16"	100
022301	2"	49	19	25	12	1/2"	5	3/8"	50
022302	2 1/2"	62	20	25	15	1/2"	5	3/8"	40
022303	3"	74	20	25	15	1/2"	5	3/8"	25
022304	3 1/2"	87	21	25	17	1/2"	5	3/8"	20
022305	4"	100	21	25	17	1/2"	5	3/8"	15
022306	5"	125	27	46	20	1/2"	5	1/2"	4
022307	6"	148	27	46	25	1/2"	5	1/2"	4



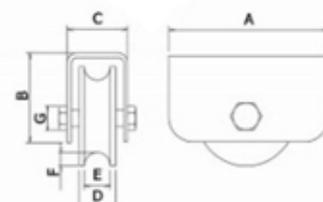
## ROLDANA CAIXA FECHADA MEC. 1/2" - REBITE

CÓDIGO	REF:	A	B	C	D	E	F	EMBAL.
020310	1 1/2"	45	31	23	14	1/2"	3	100
020311	2"	60	42	29	19	1/2"	5	50
020312	2 1/2"	70	47	29	20	1/2"	5	30
020313	3"	82	53	29	20	1/2"	5	25
020314	3 1/2"	106	66	29	21	1/2"	5	10
020315	4"	106	66	29	21	1/2"	5	10



## ROLDANA CAIXA FECHADA MEC. 1/2" - PARAFUSO

CÓDIGO	REF:	A	B	C	D	E	F	G	EMBAL.
023310	1 1/2"	45	31	23	14	1/2"	3	1/4"	100
023311	2"	60	42	29	19	1/2"	5	3/8"	50
023312	2 1/2"	70	47	29	20	1/2"	5	3/8"	30
023313	3"	82	53	29	20	1/2"	5	3/8"	25
023314	3 1/2"	106	66	29	21	1/2"	5	3/8"	10
023315	4"	106	66	29	21	1/2"	5	3/8"	10

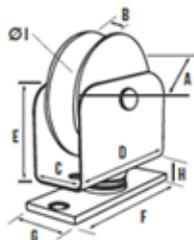




LANÇAMENTO

### ROLDANA GIRATÓRIA MOD. RJ MEC. 1/2"-REBITE

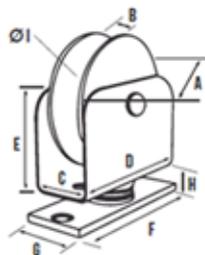
CÓDIGO	REF:	A	B	C	D	E	F	G	H	I	EMBAL.
620311	2"	49	19	25	60	42	67	48	15	1/2"	20
620312	2 1/2"	62	20	25	70	47	67	48	15	1/2"	10
620313	3"	74	20	25	82	53	67	48	15	1/2"	10



LANÇAMENTO

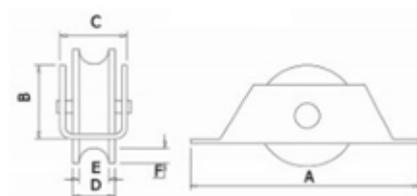
### ROLDANA GIRATÓRIA MOD. RN MEC. 1/2" - REBITE

CÓDIGO	REF:	A	B	C	D	E	F	G	H	I	EMBAL.
920311	2"	49	19	25	60	42	81	32	10	1/2"	20
920312	2 1/2"	62	20	25	70	47	81	32	10	1/2"	10
920313	3"	74	20	25	82	53	81	32	10	1/2"	10



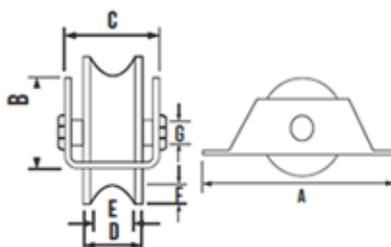
### ROLDANA CAIXA ABERTA MEC. 1/2" - REBITE

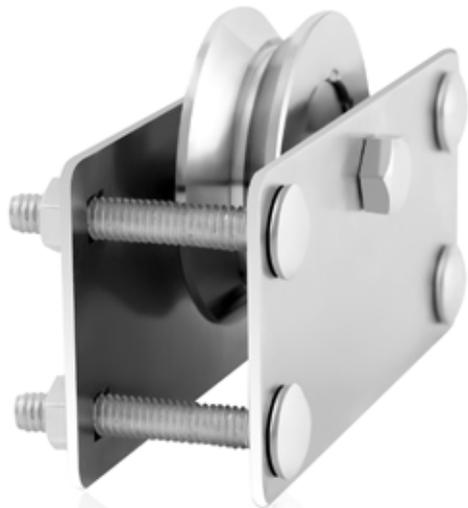
CÓDIGO	REF:	A	B	C	D	E	F	EMBAL.
020330	1 1/2"	100	22	20	14	1/2"	3	100
020331	2"	120	24	25	19	1/2"	5	50
020332	2 1/2"	136	38	30	19	1/2"	5	40
020333	3"	150	40	30	19	1/2"	5	25



### ROLDANA CAIXA ABERTA MEC. 1/2" - PARAFUSO

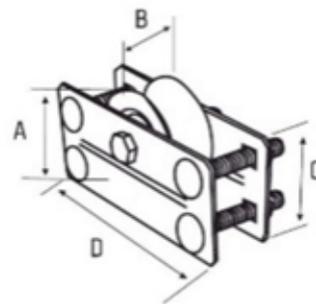
CÓDIGO	REF:	A	B	C	D	E	F	G	EMBAL.
013330	1 1/2"	100	22	20	14	1/2"	3	1/4"	100
013331	2"	120	24	25	19	1/2"	5	3/8"	50
013332	2 1/2"	136	38	30	20	1/2"	5	3/8"	40
013333	3"	150	40	30	20	1/2"	5	3/8"	25





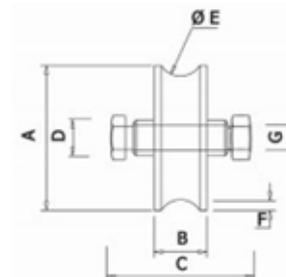
**ROLDANA CAIXA MADEIRA MEC. 1/2"**

CÓDIGO	REF:	A	B	C	D	EMBAL
010380	2"	60	32	60	120	20
010381	2 1/2"	60	32	60	131	20
010382	3"	60	32	60	131	20



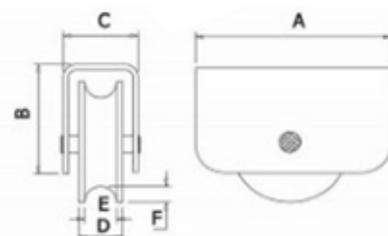
**ROLDANA MECÂNICA DE 1/2" EM PP - BUCHA**

CÓDIGO	REF:	A	B	C	D	E	F	G	EMBAL
624300	1 1/2"	37,5	14	22	8	1/2"	3	3/16"	100
624301	2"	49	19	25	12	1/2"	5	5/16"	50
624302	2 1/2"	62	20	25	15	1/2"	5	3/8"	40
624303	3"	74	20	25	15	1/2"	5	3/8"	25
624305	4"	100	21	25	17	1/2"	5	3/8"	20



**ROLDANA CAIXA FECHADA MEC. 1/2" EM PP - REBITE**

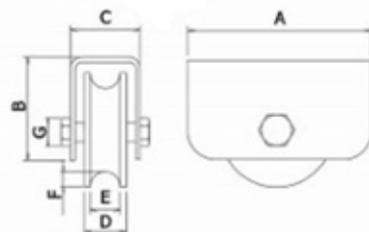
CÓDIGO	REF:	A	B	C	D	E	F	EMBAL
624310	1 1/2"	45	31	23	14	1/2"	3	100
624311	2"	60	42	29	19	1/2"	5	50
624312	2 1/2"	70	47	29	19	1/2"	5	30
624313	3"	82	53	29	19	1/2"	5	25
624315	4"	106	66	29	21	1/2"	5	10





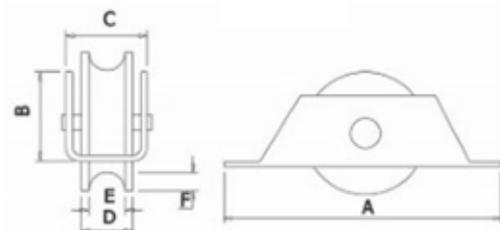
**ROLDANA CAIXA FECHADA MEC. 1/2" EM PP - PARAFUSO**

CÓDIGO	REF:	A	B	C	D	E	F	G	EMBAL.
623310	1 1/2"	45	1	23	14	1/2"	3	1/4"	100
623311	2"	60	42	29	19	1/2"	5	3/8"	50
623312	2 1/2"	70	47	29	19	1/2"	5	3/8"	30
623313	3"	82	53	29	19	1/2"	5	3/8"	25
623315	4"	106	66	29	21	1/2"	5	3/8"	10



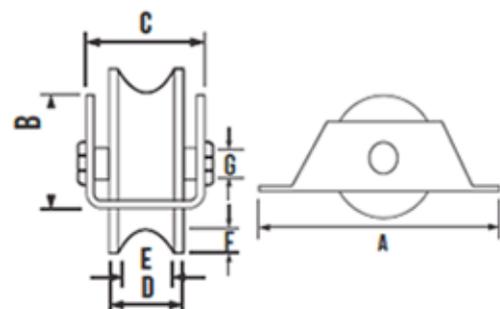
**ROLDANA CAIXA ABERTA MEC. 1/2" EM PP - REBITE**

CÓDIGO	REF:	A	B	C	D	E	F	EMBAL.
624330	1 1/2"	100	22	20	14	1/2"	3	100
624331	2"	120	24	25	19	1/2"	5	50
624332	2 1/2"	136	38	30	19	1/2"	5	40
624333	3"	150	40	30	19	1/2"	5	25



**ROLDANA CAIXA ABERTA MEC. 1/2" EM PP - PARAFUSO**

CÓDIGO	REF:	A	B	C	D	E	F	G	EMBAL.
623330	1 1/2"	100	22	20	14	1/2"	3	1/4"	100
623331	2"	120	24	25	19	1/2"	5	3/8"	50
623332	2 1/2"	136	38	30	19	1/2"	5	3/8"	40
623333	3"	150	40	30	19	1/2"	5	3/8"	25



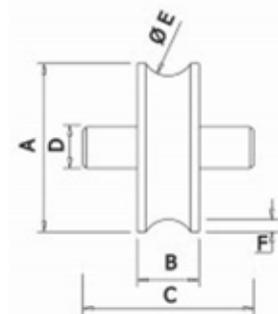


*MECÂNICA DE 5/8"*



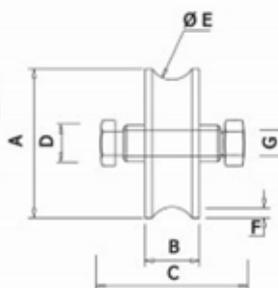
### ROLDANA MECÂNICA DE 5/8" - PINO

CÓDIGO	REF:	A	B	C	D	E	F	EMBAL.
031300	1 1/2"	37,5	19	33	8	15,9	6	100
031301	2"	49	19	40	12	15,9	7	50
031302	2 1/2"	62	20	45	15	15,9	7	40
031303	3"	74	20	45	15	15,9	7	25
031304	3 1/2"	87	21	45	17	15,9	7	20
031305	4"	100	21	45	17	15,9	7	15
031306	5"	125	27	46	20	15,9	7	4
031307	6"	148	27	46	25	15,9	7	4



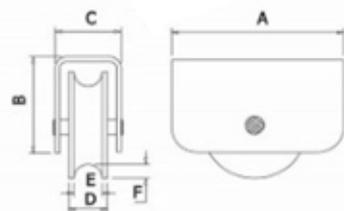
### ROLDANA MECÂNICA DE 5/8" - BUCHA

CÓDIGO	REF:	A	B	C	D	E	F	G	EMBAL.
032300	1 1/2"	37,5	19	22	8	15,9	6	3/16"	100
032301	2"	49	19	25	12	15,9	7	5/16"	50
032302	2 1/2"	62	20	25	15	15,9	7	3/8"	40
032303	3"	74	20	25	15	15,9	7	3/8"	25
032304	3 1/2"	87	21	25	17	15,9	7	3/8"	20
032305	4"	100	21	25	17	15,9	7	3/8"	15
032306	5"	125	27	46	20	15,9	7	1/2"	4
032307	6"	148	27	46	25	15,9	7	1/2"	4



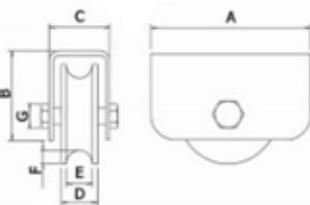
### ROLDANA CAIXA FECHADA MEC. 5/8" - REBITE

CÓDIGO	REF:	A	B	C	D	E	F	EMBAL.
030311	2"	60	42	29	19	15,9	7	50
030312	2 1/2"	70	47	29	20	15,9	7	30
030313	3"	82	53	29	20	15,9	7	25
030314	3 1/2"	106	66	29	21	15,9	7	10
030315	4"	106	66	29	21	15,9	7	10



### ROLDANA CAIXA FECHADA MEC. 5/8" - PARAFUSO

CÓDIGO	REF:	A	B	C	D	E	F	G	EMBAL.
033311	2"	60	42	29	19	15,9	7	3/8"	50
033312	2 1/2"	70	47	29	20	15,9	7	3/8"	30
033313	3"	82	53	29	20	15,9	7	3/8"	25
033314	3 1/2"	106	66	29	21	15,9	7	3/8"	10
033315	4"	106	66	29	21	15,9	7	3/8"	10
033316	5"	190	140	52	27	15,9	7	1/2"	2
033317	6"	190	140	52	27	15,9	7	1/2"	2



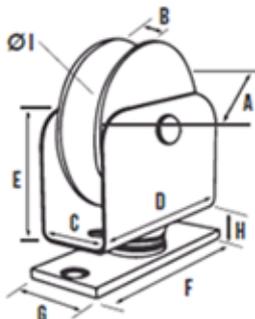
LANÇAMENTO  
LANÇAMENTO

LANÇAMENTO



### ROLDANA GIRATÓRIA MOD. RJ MEC. 5/8"-REBITE

CÓDIGO	REF:	A	B	C	D	E	F	G	H	I	EMBAL.
660311	2"	49	19	25	60	42	67	48	15	15,9	20
660312	2 1/2"	62	20	25	70	47	67	48	15	15,9	10
660313	3"	74	20	25	82	53	67	48	15	15,9	10

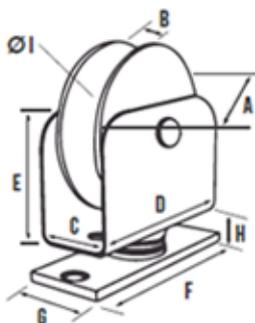


LANÇAMENTO



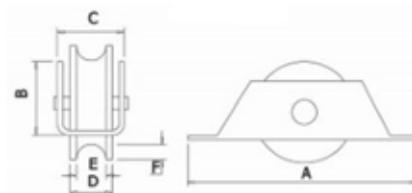
### ROLDANA GIRATÓRIA MOD. RN MEC. 5/8" - REBITE

CÓDIGO	REF:	A	B	C	D	E	F	G	H	I	EMBAL.
960311	2"	49	19	25	60	42	81	32	10	15,9	20
960312	2 1/2"	62	20	25	70	47	81	32	10	15,9	10
960313	3"	74	20	25	82	53	81	32	10	15,9	10



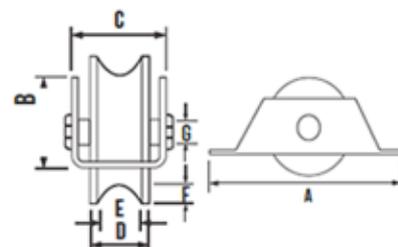
### ROLDANA CAIXA ABERTA MEC. 5/8" - REBITE

CÓDIGO	REF:	A	B	C	D	E	F	EMBAL.
030331	2"	120	24	25	19	15,9	7	50
030332	2 1/2"	136	38	30	20	15,9	7	40
030333	3"	150	40	30	20	15,9	7	25



### ROLDANA CAIXA ABERTA MEC. 5/8" - PARAFUSO

CÓDIGO	REF:	A	B	C	D	E	F	G	EMBAL.
033331	2"	120	24	25	19	15,9	7	3/8"	50
033332	2 1/2"	136	38	30	20	15,9	7	3/8"	40
033333	3"	150	40	30	20	15,9	7	3/8"	25

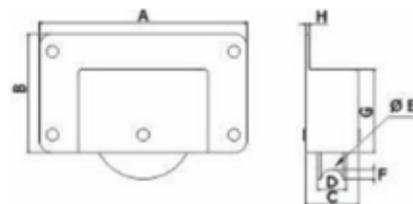


LANÇAMENTO

## ROLDANA CAIXA LATERAL MODELO MINAS

MEC. 5/8"

CÓDIGO	REF:	A	B	C	D	E	F	G	H	EMBAL
010341	2"	120	55	30	19	15,9	7	50	2,25	10
010342	2 1/2"	120	55	30	20	15,9	7	50	2,25	6
010343	3"	135	89	30	20	15,9	7	64	2,25	6

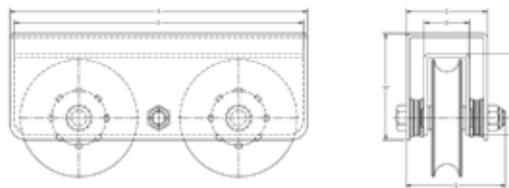


LANÇAMENTO

## ROLDANA CX. DUPLA OSCILANTE - TRUCK

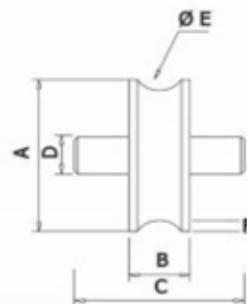
MEC. 5/8"

CÓDIGO	REF:	A	B	C	D	E	F	G	EMBAL
010410	2 1/2"	190	182	53	30	68	52	58	4
010411	3"	190	182	53	30	68	52	58	4
010412	4"	245	235	53	30	82	66	58	4



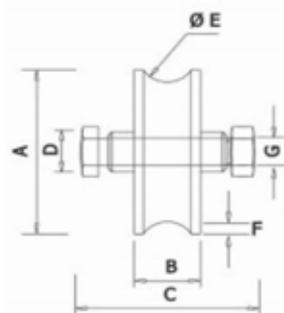
## ROLDANA MEC. 5/8" - PINO (2 ROLAMENTOS)

CÓDIGO	REF:	A	B	C	D	E	F	EMBAL
231301	2"	49	26	55	12	15,9	7	25
231302	2 1/2"	62	26	55	15	15,9	7	25
231303	3"	74	26	55	15	15,9	7	10
231304	3 1/2"	87	29	55	17	15,9	7	10
231305	4"	100	29	55	17	15,9	7	10
231306	5"	125	33	55	20	15,9	7	4 À 6
231307	6"	148	33	55	25	15,9	7	4 À 6



## ROLDANA MEC. 5/8" - BUCHA (2 ROLAMENTOS)

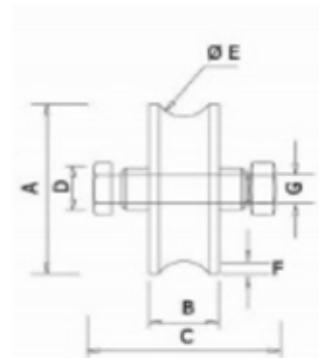
CÓDIGO	REF:	A	B	C	D	E	F	G	EMBAL
232301	2"	49	26	32	12	15,9	7	3/8"	25
232302	2 1/2"	62	26	32	15	15,9	7	3/8"	25
232303	3"	74	26	32	15	15,9	7	3/8"	10
232304	3 1/2"	87	29	36	17	15,9	7	3/8"	10
232305	4"	100	29	36	17	15,9	7	3/8"	10
232306	5"	125	33	46	20	15,9	7	1/2"	4 À 6
232307	6"	148	33	46	25	15,9	7	1/2"	4 À 6





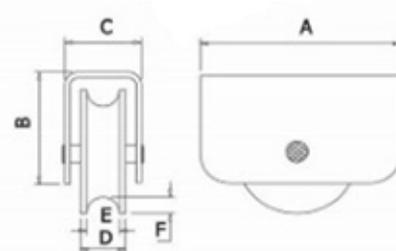
**ROLDANA MECÂNICA DE 5/8" EM PP - BUCHA**

CÓDIGO	REF:	A	B	C	D	E	F	G	EMBAL.
812301	2"	49	19	25	12	15,9	7	5/16"	50
812302	2 1/2"	62	20	25	15	15,9	7	3/8"	40
812303	3"	74	20	25	15	15,9	7	3/8"	25
812305	4"	100	21	25	17	15,9	7	3/8"	15



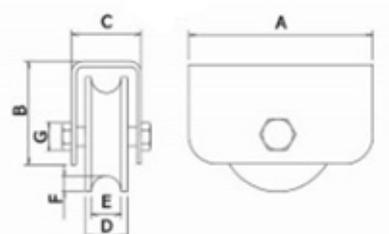
**ROLDANA CAIXA FECHADA MEC. 5/8" EM PP - REBITE**

CÓDIGO	REF:	A	B	C	D	E	F	EMBAL.
634311	2"	60	42	29	19	15,9	7	50
634312	2 1/2"	70	47	29	19	15,9	7	30
634313	3"	82	53	29	19	15,9	7	25
634315	4"	106	66	29	21	15,9	7	10



**ROLDANA CAIXA FECHADA MEC. 5/8" EM PP - PARAFUSO**

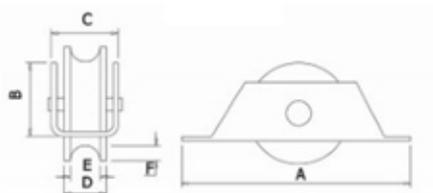
CÓDIGO	REF:	A	B	C	D	E	F	G	EMBAL.
633311	2"	60	42	29	19	15,9	7	5/16"	50
633312	2 1/2"	70	47	29	19	15,9	7	3/8"	30
633313	3"	82	53	29	19	15,9	7	3/8"	25
633315	4"	106	66	29	21	15,9	7	3/8"	10





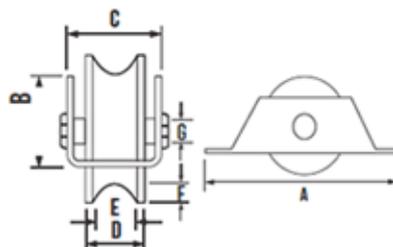
### ROLDANA CAIXA ABERTA MEC. 5/8" EM PP - REBITE

CÓDIGO	REF:	A	B	C	D	E	F	EMBAL.
634331	2"	120	24	25	19	15,9	7	50
634332	2 1/2"	136	38	30	20	15,9	7	40
634333	3"	150	40	30	20	15,9	7	25



### ROLDANA CAIXA ABERTA MEC. 5/8" EM PP - PARAFUSO

CÓDIGO	REF:	A	B	C	D	E	F	G	EMBAL.
633331	2"	120	24	25	19	15,9	7	3/8"	50
633332	2 1/2"	136	38	30	20	15,9	7	3/8"	40
633333	3"	150	40	30	20	15,9	7	3/8"	25



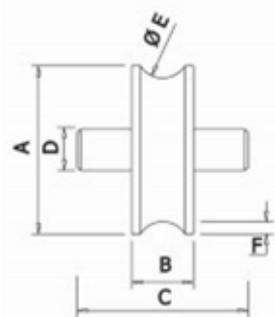
A 3D CAD rendering of a mechanical assembly, possibly a valve or actuator, shown in a semi-transparent grey style. The assembly features a large, curved, cylindrical component on the left and a smaller, more complex component on the right. The background is a light grey gradient, accented with large, semi-transparent red geometric shapes in the corners. A prominent black diagonal band crosses the center of the image, containing the text 'MECÂNICA DE 3/4"'.

**MECÂNICA DE 3/4"**



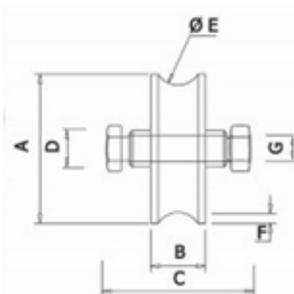
### ROLDANA MECÂNICA DE 3/4" - PINO

CÓDIGO	REF:	A	B	C	D	E	F	EMBAL.
041301	2"	49	23	40	12	19,1	7,5	50
041302	2 1/2"	62	23	45	15	19,1	7,5	40
041303	3"	74	23	45	15	19,1	7,5	25
041304	3 1/2"	87	23	45	17	19,1	7,5	20
041305	4"	100	23	45	17	19,1	7,5	15
041306	5"	125	26	46	20	19,1	7,5	4
041307	6"	148	28	46	25	19,1	7,5	4



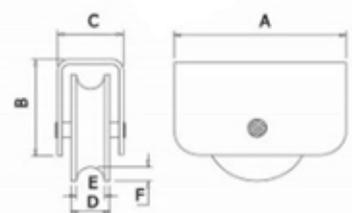
### ROLDANA MECÂNICA DE 3/4" - BUCHA

CÓDIGO	REF:	A	B	C	D	E	F	G	EMBAL.
042301	2"	49	23	25	12	19,1	7,5	5/16"	50
042302	2 1/2"	62	23	25	15	19,1	7,5	3/8"	40
042303	3"	74	23	25	15	19,1	7,5	3/8"	25
042304	3 1/2"	87	23	25	17	19,1	7,5	3/8"	20
042305	4"	100	23	25	17	19,1	7,5	3/8"	15
042306	5"	125	26	46	20	19,1	7,5	1/2"	4
042307	6"	148	28	46	25	19,1	7,5	1/2"	4



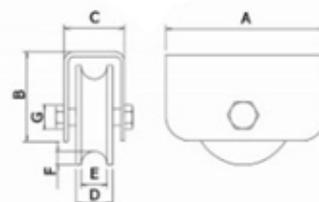
### ROLDANA CAIXA FECHADA MEC. 3/4" - REBITE

CÓDIGO	REF:	A	B	C	D	E	F	EMBAL.
040311	2"	60	42	29	23	19,1	7,5	50
040312	2 1/2"	70	47	29	23	19,1	7,5	40
040313	3"	82	53	29	23	19,1	7,5	25
040314	3 1/2"	106	66	29	23	19,1	7,5	10
040315	4"	106	66	29	23	19,1	7,5	10



### ROLDANA CAIXA FECHADA MEC. 3/4" - PARAFUSO

CÓDIGO	REF:	A	B	C	D	E	F	G	EMBAL.
043311	2"	60	42	29	23	19,1	7,5	3/8"	50
043312	2 1/2"	70	47	29	23	19,1	7,5	3/8"	30
043313	3"	82	53	29	23	19,1	7,5	3/8"	25
043314	3 1/2"	106	66	29	23	19,1	7,5	3/8"	10
043315	4"	106	66	29	23	19,1	7,5	3/8"	10
043316	5"	190	140	52	26	15,9	7,5	1/2"	2
043317	6"	190	140	52	28	15,9	7,5	1/2"	2



LANÇAMENTO

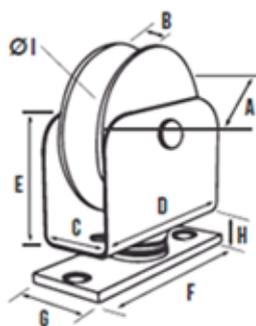
LANÇAMENTO



LANÇAMENTO

### ROLDANA GIRATÓRIA MOD. RJ MEC. 3/4"-REBITE

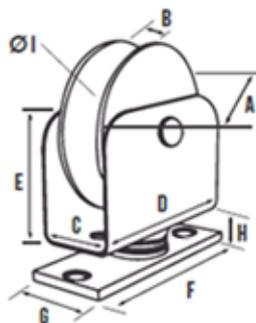
CÓDIGO	REF:	A	B	C	D	E	F	G	H	I	EMBAL.
640311	2"	49	23	25	60	42	67	48	15	19,1	20
640312	2 1/2"	62	23	25	70	47	67	48	15	19,1	10
640313	3"	74	23	25	82	53	67	48	15	19,1	10



LANÇAMENTO

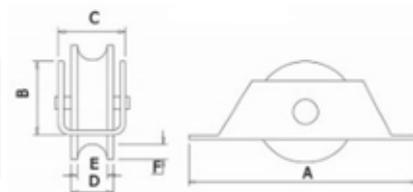
### ROLDANA GIRATÓRIA MOD. RN MEC. 3/4" - REBITE

CÓDIGO	REF:	A	B	C	D	E	F	G	H	I	EMBAL.
940311	2"	49	23	25	60	42	81	32	10	19,1	20
949312	2 1/2"	62	23	25	70	47	81	32	10	19,1	10
949313	3"	74	23	25	82	53	81	32	10	19,1	10



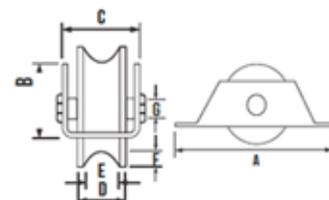
### ROLDANA CAIXA ABERTA MEC. 3/4" - REBITE

CÓDIGO	REF:	A	B	C	D	E	F	EMBAL.
040331	2"	136	29	30	23	19,1	7,5	30
040332	2 1/2"	136	38	30	23	19,1	7,5	25
040333	3"	150	40	30	23	19,1	7,5	20



### ROLDANA CAIXA ABERTA MEC. 3/4" - PARAFUSO

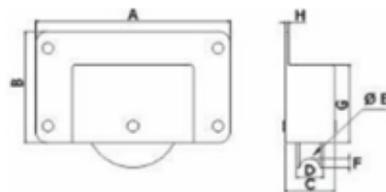
CÓDIGO	REF:	A	B	C	D	E	F	G	EMBAL.
043331	2"	136	29	30	23	19,1	7,5	3/8"	30
043332	2 1/2"	136	38	30	23	19,1	7,5	3/8"	25
043333	3"	150	40	30	23	19,1	7,5	3/8"	20



LANÇAMENTO

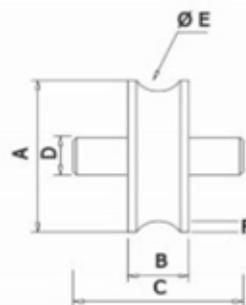
## ROLDANA CAIXA LATERAL MODELO MINAS MEC. 3/4"

CÓDIGO	REF:	A	B	C	D	E	F	G	H	EMBAL.
010351	2"	120	55	30	23	19	7,5	50	2,25	10
010352	2 1/2"	120	55	30	23	19	7,5	50	2,25	6
010353	3"	135	89	30	23	19	7,5	64	2,25	6



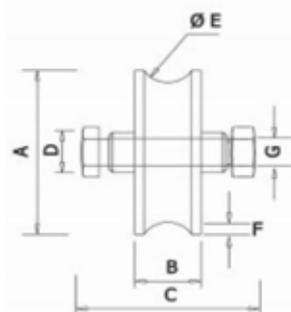
## ROLDANA MEC. 3/4" - PINO (2 ROLAMENTOS)

CÓDIGO	REF:	A	B	C	D	E	F	EMBAL.
241301	2"	49	26	55	12	19,1	7,5	25
241302	2 1/2"	62	26	55	15	19,1	7,5	25
241303	3"	74	26	55	15	19,1	7,5	10
241304	3 1/2"	87	29	55	17	19,1	7,5	10
241305	4"	100	29	55	17	19,1	7,5	10
241306	5"	125	33	55	20	19,1	7,5	4 À 6
241307	6"	148	33	55	25	19,1	7,5	4 À 6



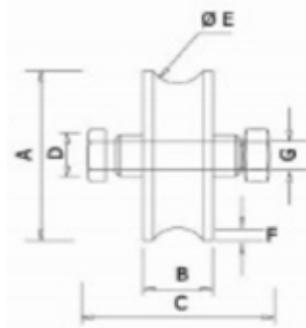
## ROLDANA MEC. 3/4" - BUCHA (2 ROLAMENTOS)

CÓDIGO	REF:	A	B	C	D	E	F	G	EMBAL.
242301	2"	49	26	32	12	19,1	7,5	3/8"	25
242302	2 1/2"	62	26	32	15	19,1	7,5	3/8"	25
242303	3"	74	26	32	15	19,1	7,5	3/8"	10
242304	3 1/2"	87	29	32	17	19,1	7,5	3/8"	10
242305	4"	100	29	32	17	19,1	7,5	3/8"	10
242306	5"	125	33	46	20	19,1	7,5	3/8"	4 À 6
242307	6"	148	33	46	25	19,1	7,5	3/8"	4 À 6



## ROLDANA MECÂNICA DE 3/4" EM PP - BUCHA

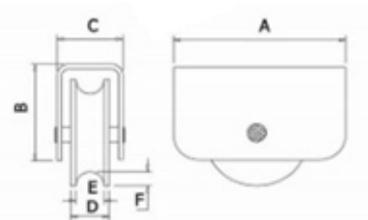
CÓDIGO	REF:	A	B	C	D	E	F	G	EMBAL.
642301	2"	49	23	25	12	19,1	7,5	3/8"	25
642302	2 1/2"	62	23	25	15	19,1	7,5	3/8"	25
642303	3"	74	23	25	15	19,1	7,5	3/8"	10
642304	3 1/2"	87	23	25	17	19,1	7,5	3/8"	10
642305	4"	100	23	25	17	19,1	7,5	3/8"	10





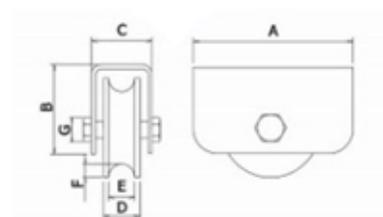
**ROLDANA CAIXA FECHADA MEC. 3/4" EM PP - REBITE**

CÓDIGO	REF:	A	B	C	D	E	F	EMBAL
644311	2"	60	42	29	23	19,1	7,5	50
644312	2 1/2"	70	47	29	23	19,1	7,5	40
644313	3"	82	53	29	23	19,1	7,5	25
644314	3 1/2"	106	66	29	23	19,1	7,5	10
644315	4"	106	66	29	23	19,1	7,5	10



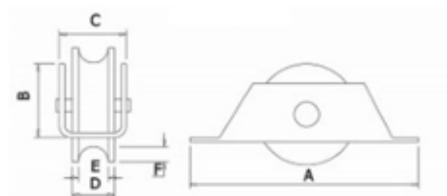
**ROLDANA CAIXA FECHADA MEC. 3/4" EM PP - PARAFUSO**

CÓDIGO	REF:	A	B	C	D	E	F	G	EMBAL
643311	2"	60	42	29	23	19,1	7,5	3/8"	50
643312	2 1/2"	70	47	29	23	19,1	7,5	3/8"	40
643313	3"	82	53	29	23	19,1	7,5	3/8"	25
643314	3 1/2"	106	66	29	23	19,1	7,5	3/8"	10
643315	4"	106	66	29	23	19,1	7,5	3/8"	10



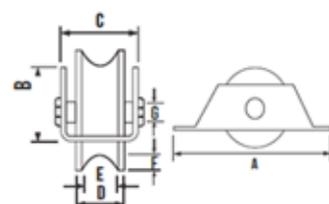
**ROLDANA CAIXA ABERTA MEC. 3/4" EM PP - REBITE**

CÓDIGO	REF:	A	B	C	D	E	F	EMBAL
644331	2"	136	29	30	23	19,1	7,5	30
644332	2 1/2"	136	38	30	23	19,1	7,5	25
644333	3"	150	40	30	23	19,1	7,5	20



**ROLDANA CAIXA ABERTA MEC. 3/4" EM PP - PARAFUSO**

CÓDIGO	REF:	A	B	C	D	E	F	G	EMBAL
643331	2"	136	29	30	23	19,1	7,5	3/8"	30
643332	2 1/2"	136	38	30	23	19,1	7,5	3/8"	25
643333	3"	150	40	30	23	19,1	7,5	3/8"	20



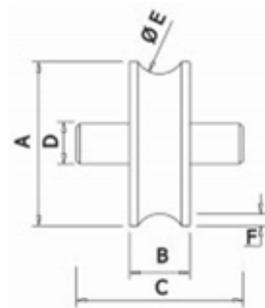
**MECÂNICA U 7/8"**  
**TUBO DE 1/2"**





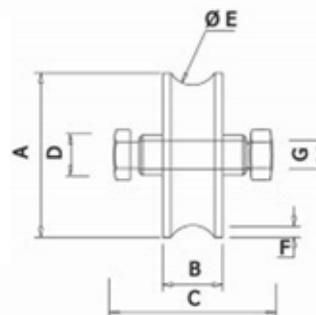
### ROLDANA U 7/8" TUBO DE 1/2" - PINO

CÓDIGO	REF:	A	B	C	D	E	F	EMBAL.
081340	2"	49	26	55	12	22	8	40
081341	2 1/2"	62	26	55	15	22	10	30
081342	3"	74	26	55	15	22	10	25
081343	3 1/2"	87	26	55	17	22	10	20
081344	4"	100	26	55	17	22	10	15
081345	5"	125	27	55	20	22	10	4
081346	6"	148	27	55	25	22	10	4
081347	7"	178	27	55	25	22	10	2
081348	8"	200	27	55	25	22	10	2



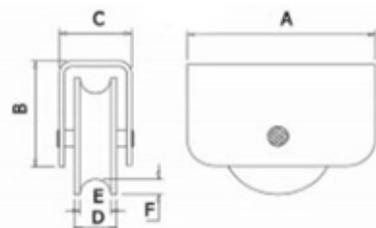
### ROLDANA U 7/8" TUBO DE 1/2" - BUCHA

CÓDIGO	REF:	A	B	C	D	E	F	G	EMBAL.
082340	2"	49	26	32	12	22	8	3/8"	40
082341	2 1/2"	62	26	32	15	22	10	3/8"	30
082342	3"	74	26	32	15	22	10	3/8"	25
082343	3 1/2"	87	26	32	17	22	10	3/8"	20
082344	4"	100	26	32	17	22	10	3/8"	15
082345	5"	125	27	46	20	22	10	1/2"	4
082346	6"	148	27	46	25	22	10	1/2"	4
082347	7"	178	27	46	25	22	10	1/2"	2
082348	8"	200	27	46	25	22	10	1/2"	2



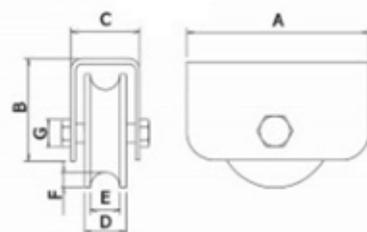
### ROLDANA CAIXA FECHADA TUBO 1/2" - REBITE

CÓDIGO	REF:	A	B	C	D	E	F	EMBAL.
080320	2"	60	42	29	23	22	5,5	50
080321	2 1/2"	70	47	29	23	22	5,5	30
080322	3"	82	53	29	23	22	5,5	25
080323	3 1/2"	106	66	29	23	22	5,5	10
080324	4"	106	66	29	23	22	5,5	10



### ROLDANA CAIXA FECHADA TUBO 1/2" - PARAFUSO

CÓDIGO	REF:	A	B	C	D	E	F	G	EMBAL.
083320	2"	60	42	29	23	22	5,5	3/8"	50
083321	2 1/2"	70	47	29	23	22	5,5	3/8"	30
083322	3"	82	53	29	23	22	5,5	3/8"	25
083323	3 1/2"	106	66	29	23	22	5,5	3/8"	10
083324	4"	106	66	29	23	22	5,5	3/8"	10
083325	5"	190	140	52	27	22	10	1/2"	2
083326	6"	190	140	52	27	22	10	1/2"	2



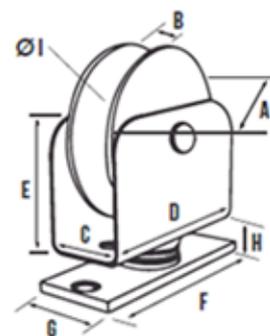
LANÇAMENTO  
LANÇAMENTO



LANÇAMENTO

### ROLDANA GIRATÓRIA MOD. RJ TUBO DE 1/2"-REBITE

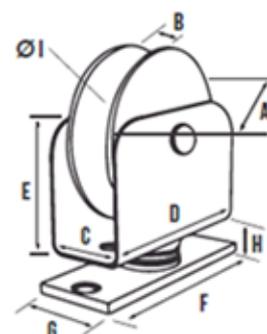
CÓDIGO	REF:	A	B	C	D	E	F	G	H	I	EMBAL.
680320	2"	49	23	25	60	42	67	48	15	22	20
680321	2 1/2"	62	23	25	70	47	67	48	15	22	10
680322	3"	74	23	25	82	53	67	48	15	22	10



LANÇAMENTO

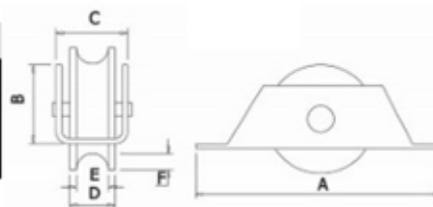
### ROLDANA GIRATÓRIA MOD. RN TUBO DE 1/2"-REBITE

CÓDIGO	REF:	A	B	C	D	E	F	G	H	I	EMBAL.
980320	2"	49	23	25	60	42	81	32	10	22	20
980321	2 1/2"	62	23	25	70	47	81	32	10	22	10
980322	3"	74	23	25	82	53	81	32	10	22	10



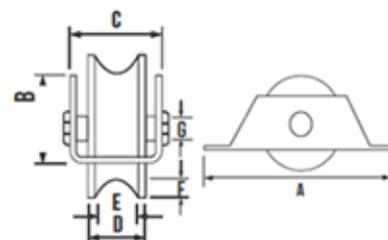
### ROLDANA CAIXA ABERTA TUBO DE 1/2" - REBITE

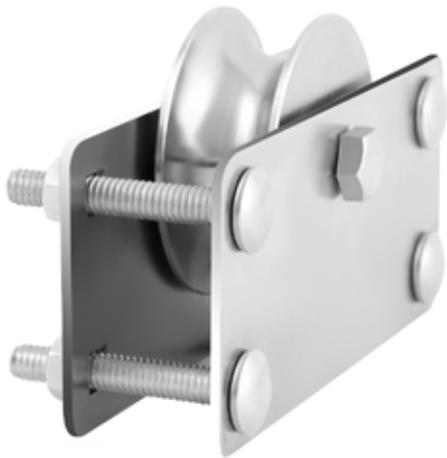
CÓDIGO	REF:	A	B	C	D	E	F	EMBAL.
080334	2"	136	29	30	23	22	5,5	30
080335	2 1/2"	136	38	30	23	22	5,5	25
080336	3"	150	40	30	23	22	5,5	20



### ROLDANA CAIXA ABERTA TUBO DE 1/2" - PARAFUSO

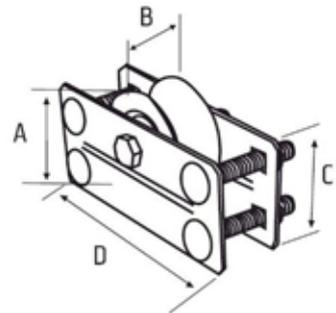
CÓDIGO	REF:	A	B	C	D	E	F	G	EMBAL.
083334	2"	136	29	30	23	22	5,5	3/8"	30
083335	2 1/2"	136	38	30	23	22	5,5	3/8"	25
083336	3"	150	40	30	23	22	5,5	3/8"	20





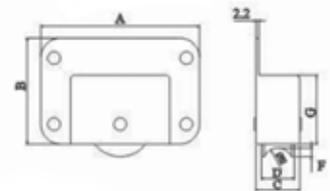
### CAIXA MADEIRA TUBO DE 1/2"

CÓDIGO	REF:	A	B	C	D	EMBAL
000380	2"	49	26	60	120	20
000381	2 1/2"	62	26	60	131	20
000382	3"	74	26	60	131	20
000383	3 1/2"	87	26	85	150	10
000384	4"	100	26	85	150	10



### ROLDANA CAIXA LATERAL TUBO 1/2"

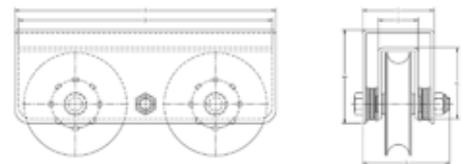
CÓDIGO	REF:	A	B	C	D	E	F	G	H	EMBAL
080385	2"	120	80	33	23	22	5,5	50	2,25	10
080386	2 1/2"	144	90	35	23	22	5,5	64	2,25	6
080387	3"	144	90	35	23	22	5,5	64	2,25	6



LANÇAMENTO

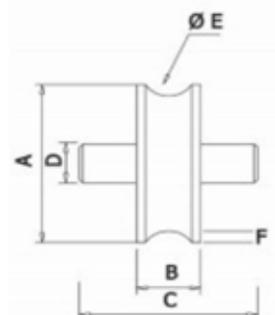
### ROLDANA CX. DUPLA OSCILANTE - TRUCK U 7/8" TUBO DE 1/2"

CÓDIGO	REF:	A	B	C	D	E	F	G	EMBAL
010420	2 1/2"	190	182	53	30	68	52	58	4
010421	3"	190	182	53	30	68	52	58	4
010422	4"	245	235	53	30	82	66	58	4



### TUBO DE 1/2" PINO (2 ROLAMENTOS)

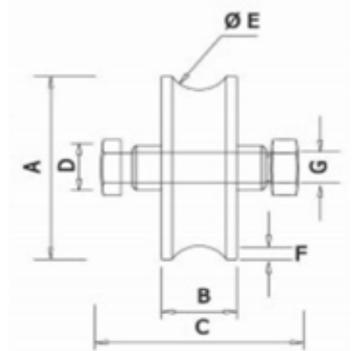
CÓDIGO	REF:	A	B	C	D	E	F	EMBAL
281340	2"	49	26	55	12	22	8	25
281341	2 1/2"	62	26	55	15	22	10	25
281342	3"	74	26	55	15	22	10	10
281343	3 1/2"	87	29	55	17	22	10	10
281344	4"	100	29	55	17	22	10	10
281345	5"	125	32	55	20	22	10	4 À 6
281346	6"	148	32	55	25	22	10	4 À 6





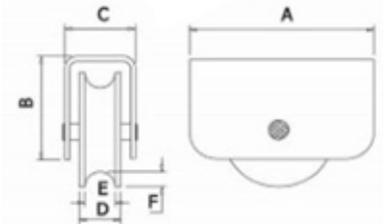
**TUBO DE 1/2" BUCHA (2 ROLAMENTOS)**

CÓDIGO	REF:	A	B	C	D	E	F	G	EMBAL.
282340	2"	49	26	32	12	22	8	3/8"	25
282341	2 1/2"	62	26	32	15	22	10	3/8"	25
282342	3"	74	26	32	15	22	10	3/8"	10
282343	3 1/2"	87	29	32	17	22	10	3/8"	10
282344	4"	100	29	32	17	22	10	3/8"	10
282345	5"	125	32	46	20	22	10	1/2"	4 À 6
282346	6"	148	32	46	25	22	10	1/2"	4 À 6



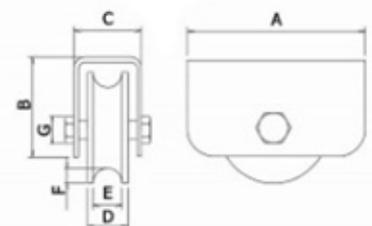
**ROLDANA CAIXA FECHADA TUBO 1/2" PP - REBITE**

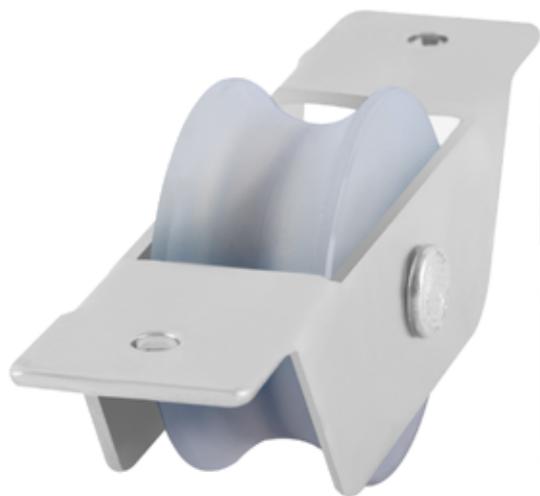
CÓDIGO	REF:	A	B	C	D	E	F	EMBAL.
684320	2"	60	42	29	23	22	5,5	50
684321	2 1/2"	70	47	29	23	22	5,5	30
684322	3"	82	53	29	23	22	5,5	25
684323	3 1/2"	106	66	29	23	22	5,5	10
684324	4"	106	66	29	23	22	5,5	10



**ROLDANA CAIXA FECHADA TUBO 1/2" PP - PARAFUSO**

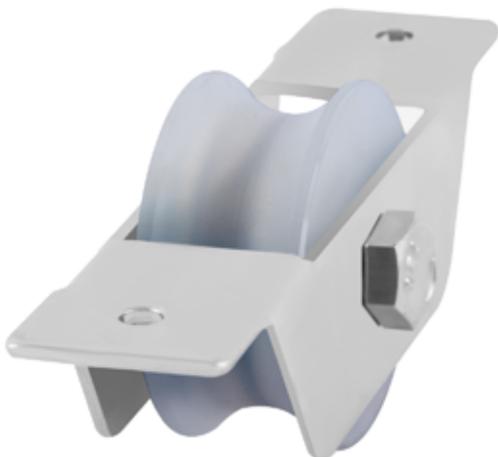
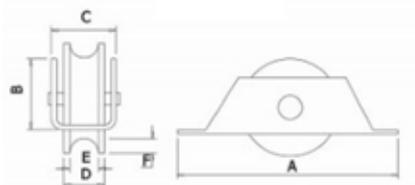
CÓDIGO	REF:	A	B	C	D	E	F	G	EMBAL.
683320	2"	60	42	29	23	22	5,5	3/8"	50
683321	2 1/2"	70	47	29	23	22	5,5	3/8"	30
683322	3"	82	53	29	23	22	5,5	3/8"	25
683323	3 1/2"	106	66	29	23	22	5,5	3/8"	10
683324	4"	106	66	29	23	22	5,5	3/8"	10





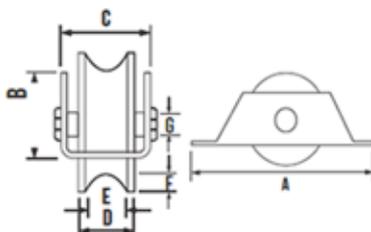
**ROLDANA CAIXA ABERTA TUBO 1/2" PP - REBITE**

CÓDIGO	REF:	A	B	C	D	E	F	EMBAL.
684331	2"	136	29	30	23	22	5,5	30
684332	2 1/2"	136	38	30	23	22	5,5	25
684333	3"	150	40	30	23	22	5,5	20



**ROLDANA CAIXA ABERTA TUBO 1/2" PP - PARAFUSO**

CÓDIGO	REF:	A	B	C	D	E	F	G	EMBAL.
683331	2"	136	29	30	23	22	5,5	3/8"	30
683332	2 1/2"	136	38	30	23	22	5,5	3/8"	25
683333	3"	150	40	30	23	22	5,5	3/8"	20



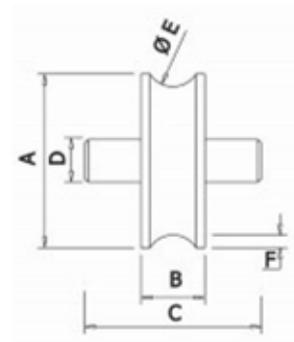
**MECÂNICA U 1”  
TUBO DE 3/4”**





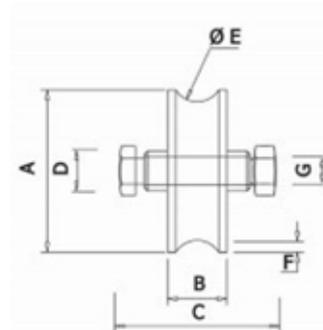
**ROLDANA U 1" TUBO DE 3/4" - PINO**

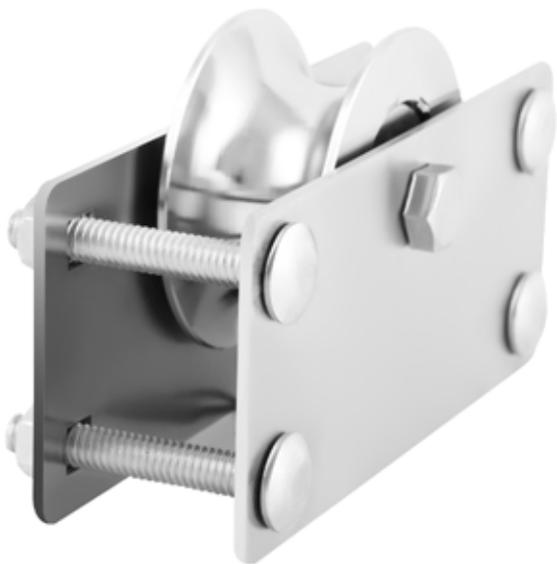
CÓDIGO	REF:	A	B	C	D	E	F	EMBAL.
091350	2"	49	32	55	12	25	7	40
091351	2 1/2"	62	32	55	15	25	12	30
091352	3"	74	32	55	15	25	12	25
091353	3 1/2"	87	32	55	17	25	12	20
091354	4"	100	32	55	17	25	12	15
091355	5"	125	33	55	20	25	12	4
091356	6"	148	33	55	25	25	12	4



**ROLDANA U 1" TUBO DE 3/4" - BUCHA**

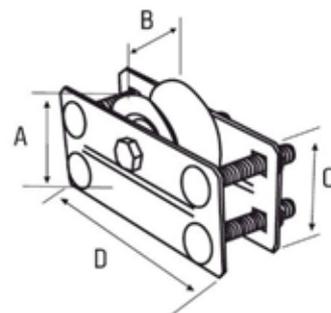
CÓDIGO	REF:	A	B	C	D	E	F	G	EMBAL.
092350	2"	49	32	36	12	25	7	3/8"	40
092351	2 1/2"	62	32	36	15	25	12	3/8"	30
092352	3"	74	32	36	15	25	12	3/8"	25
092353	3 1/2"	87	32	36	17	25	12	3/8"	20
092354	4"	100	32	36	17	25	12	3/8"	15
092355	5"	125	33	46	20	25	12	1/2"	4
092356	6"	148	33	46	25	25	12	1/2"	4





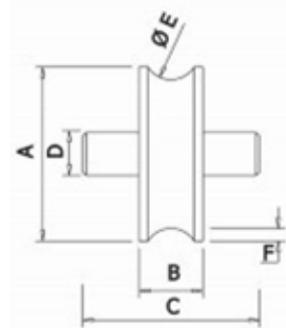
#### CAIXA MADEIRA U 1" TUBO DE 3/4"

CÓDIGO	REF:	A	B	C	D	EMBAL
000390	2"	49	32	60	120	20
000391	2 1/2"	62	32	60	131	20
000392	3"	74	32	60	131	20
000393	3 1/2"	87	32	85	150	10
000394	4"	100	32	85	150	10



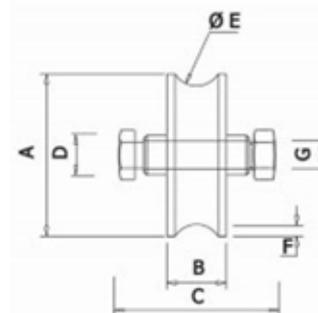
#### U 1" TUBO DE 3/4" PINO (2 ROLAMENTOS)

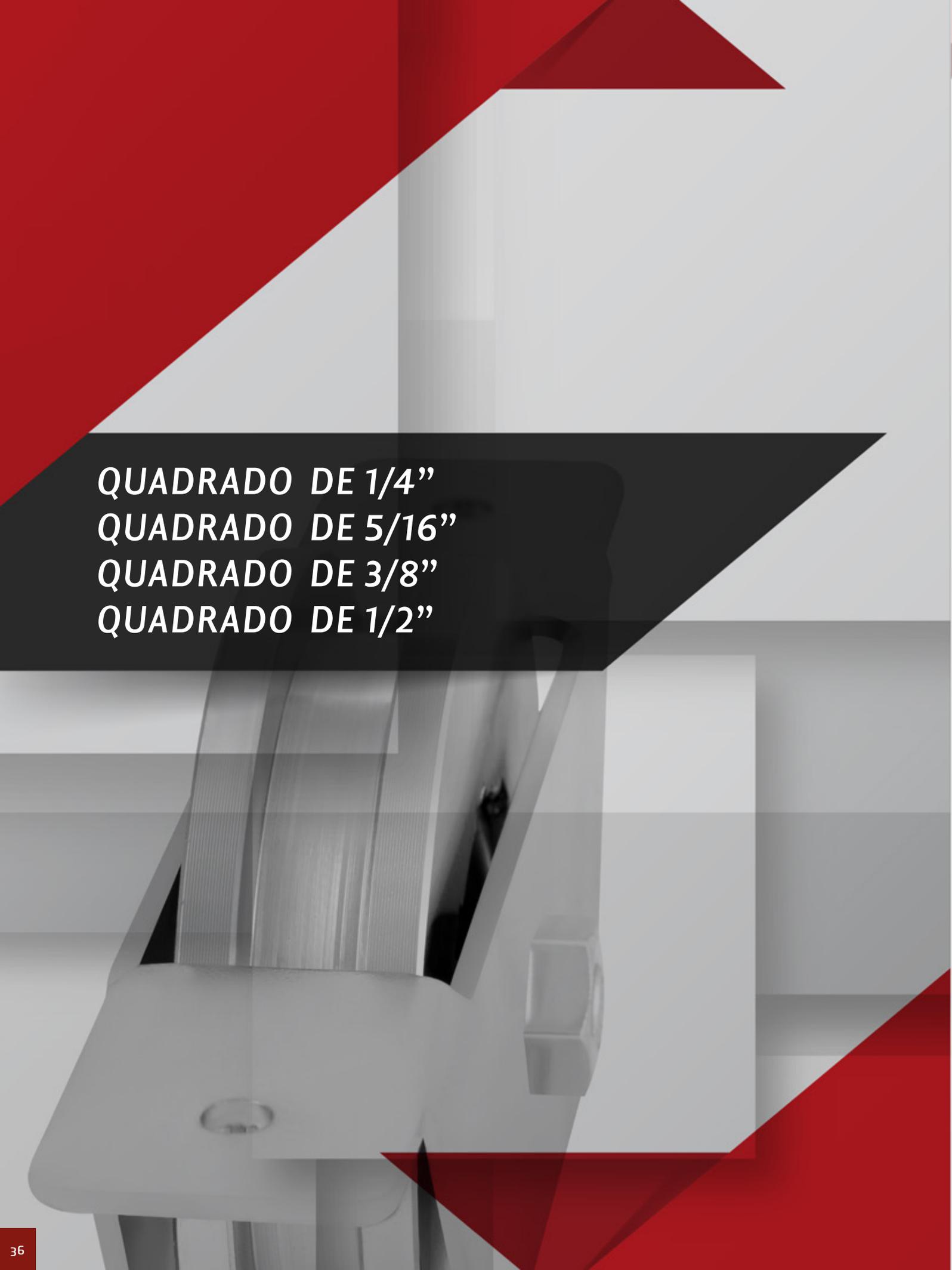
CÓDIGO	REF:	A	B	C	D	E	F	EMBAL
291350	2"	49	32	55	12	25	7	25
291351	2 1/2"	62	32	55	15	25	12	25
291352	3"	74	32	55	15	25	12	10
291353	3 1/2"	87	32	55	17	25	12	10
291354	4"	100	32	55	17	25	12	10
291355	5"	125	33	55	20	25	12	4 À 6
291356	6"	148	33	55	25	25	12	4 À 6



#### U 1" TUBO DE 3/4" BUCHA (2 ROLAMENTOS)

CÓDIGO	REF:	A	B	C	D	E	F	G	EMBAL
292350	2"	49	32	55	12	25	7	3/8"	25
292351	2 1/2"	62	32	55	15	25	12	3/8"	25
292352	3"	74	32	55	15	25	12	3/8"	10
292353	3 1/2"	87	32	55	17	25	12	3/8"	10
292354	4"	100	32	55	17	25	12	3/8"	10
292355	5"	125	33	55	20	25	12	1/2"	4 À 6
292356	6"	148	33	55	25	25	12	1/2"	4 À 6





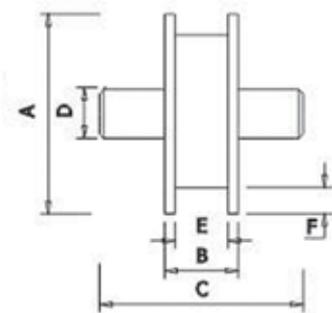
**QUADRADO DE 1/4"**  
**QUADRADO DE 5/16"**  
**QUADRADO DE 3/8"**  
**QUADRADO DE 1/2"**

# QUADRADO DE 1/4"



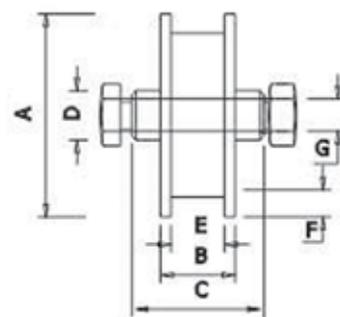
LANÇAMENTO

ROLDANA QUADRADO 1/4" - PINO								
CÓDIGO	REF:	A	B	C	D	E	F	EMBAL.
051300	1 1/2"	37,5	14	33	8	7	4	100
051301	2"	49	19	40	12	7	5	50
051302	2 1/2"	62	20	45	15	7	5	40
051303	3"	74	20	45	15	7	5	25
051304	3 1/2"	87	21	45	17	7	5	20
051305	4"	100	21	45	17	7	5	15



LANÇAMENTO

ROLDANA QUADRADO 1/4" - BUCHA									
CÓDIGO	REF:	A	B	C	D	E	F	G	EMBAL.
052300	1 1/2"	37,5	14	22	8	7	4	3/16"	100
052301	2"	49	19	25	12	7	5	5/16"	50
052302	2 1/2"	62	20	25	15	7	5	3/8"	40
052303	3"	74	20	25	15	7	5	3/8"	25
052304	3 1/2"	87	21	25	17	7	5	3/8"	20
052305	4"	100	21	25	17	7	5	3/8"	15

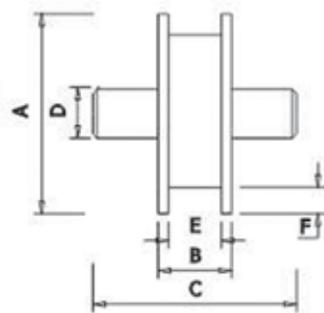


# QUADRADO DE 5/16"



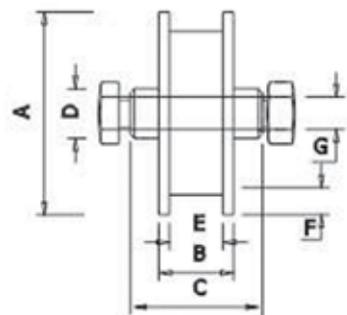
LANÇAMENTO

ROLDANA QUADRADO 5/16" - PINO								
CÓDIGO	REF:	A	B	C	D	E	F	EMBAL.
151301	2"	49	19	40	12	8	5,5	50
151302	2 1/2"	62	20	45	15	8	5,5	40
151303	3"	74	20	45	15	8	5,5	25
151304	3 1/2"	87	21	45	17	8	5,5	20
151305	4"	100	21	45	17	8	5,5	15



LANÇAMENTO

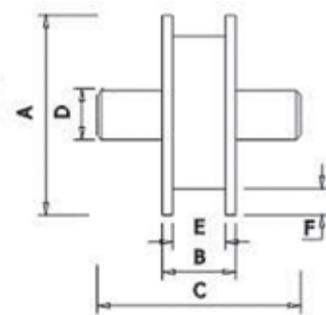
ROLDANA QUADRADO 5/16" - BUCHA									
CÓDIGO	REF:	A	B	C	D	E	F	G	EMBAL.
152301	2"	49	19	25	12	8	5,5	5/16"	50
152302	2 1/2"	62	20	25	15	8	5,5	3/8"	40
152303	3"	74	20	25	15	8	5,5	3/8"	25
152304	3 1/2"	87	21	25	17	8	5,5	3/8"	20
152305	4"	100	21	25	17	8	5,5	3/8"	15





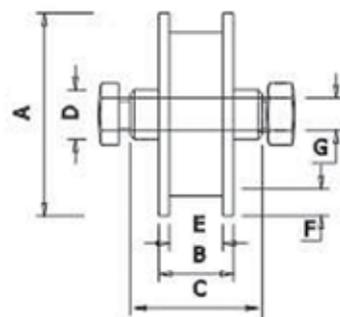
**ROLDANA QUADRADO 3/8" - PINO**

CÓDIGO	REF:	A	B	C	D	E	F	EMBAL.
061301	2"	49	19	40	12	10	7	50
061302	2 1/2"	62	20	45	15	10	7	40
061303	3"	74	20	45	15	10	7	25
061304	3 1/2"	87	21	45	17	10	7	20
061305	4"	100	21	45	17	10	7	15
061306	5"	125	26	46	20	10	7	4
061307	6"	148	27	46	25	10	7	4



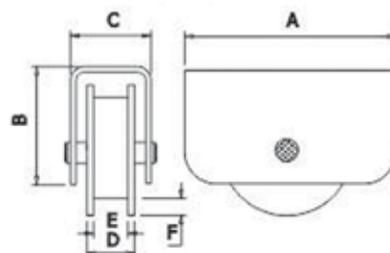
**ROLDANA QUADRADO 3/8" - BUCHA**

CÓDIGO	REF:	A	B	C	D	E	F	EMBAL.
062301	2"	49	19	25	12	10	7	50
062302	2 1/2"	62	20	25	15	10	7	40
062303	3"	74	20	25	15	10	7	25
062304	3 1/2"	87	21	25	17	10	7	20
062305	4"	100	21	25	17	10	7	15
062306	5"	125	26	46	20	10	7	4
062307	6"	148	27	46	25	10	7	4



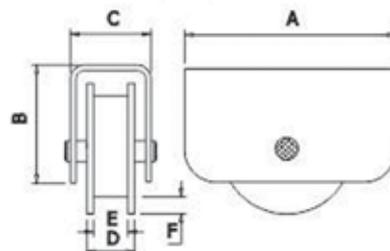
**ROLDANA CAIXA FECHADA QUADRADO 3/8" - REBITE**

CÓDIGO	REF:	A	B	C	D	E	F	EMBAL.
060311	2"	60	42	29	19	10	7	50
060312	2 1/2"	70	47	29	20	10	7	30
060313	3"	82	53	29	20	10	7	25
060314	3 1/2"	106	66	29	21	10	7	10
060315	4"	106	66	29	21	10	7	10



**ROLDANA CAIXA FECHADA QUADRADO 3/8" - PARAFUSO**

CÓDIGO	REF:	A	B	C	D	E	F	EMBAL.
062311	2"	60	42	29	19	10	7	50
062312	2 1/2"	70	47	29	20	10	7	30
062313	3"	82	53	29	20	10	7	25
062314	3 1/2"	106	66	29	21	10	7	10
062315	4"	106	66	29	21	10	7	10

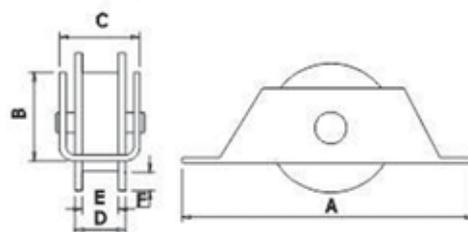


## QUADRADO DE 3/8"



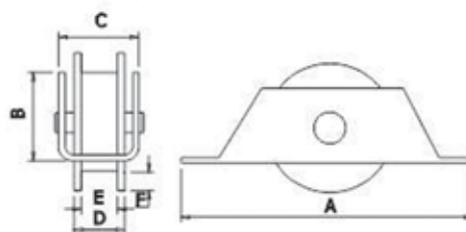
**ROLDANA CAIXA ABERTA QUADRADO 3/8" - REBITE**

CÓDIGO	REF:	A	B	C	D	E	F	EMBAL.
060331	2"	120	24	25	19	10	7	50
060332	2 1/2"	136	38	30	20	10	7	30
060333	3"	150	40	30	20	10	7	25



**ROLDANA CAIXA ABERTA QUADRADO 3/8" - PARAFUSO**

CÓDIGO	REF:	A	B	C	D	E	F	EMBAL.
063331	2"	120	24	25	19	10	7	50
063332	2 1/2"	136	38	30	20	10	7	30
063333	3"	150	40	30	20	10	7	25

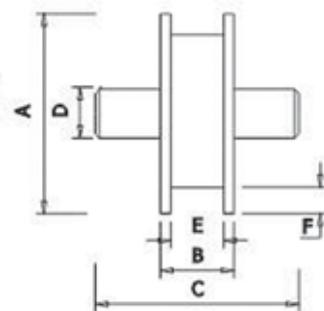


## QUADRADO DE 1/2"



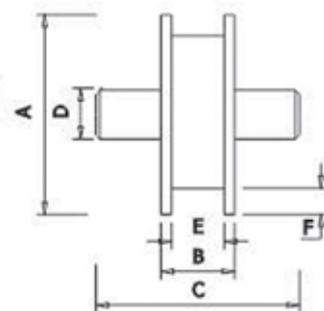
**ROLDANA QUADRADO 1/2" - PINO**

CÓDIGO	REF:	A	B	C	D	E	F	EMBAL.
071301	2"	49	19	40	12	13	7	50
071302	2 1/2"	62	20	45	15	13	7	40
071303	3"	74	20	45	15	13	7	25
071304	3 1/2"	87	21	45	17	13	7	20
071305	4"	100	21	45	17	13	7	15
071306	5"	125	26	46	20	13	7	4
071307	6"	148	27	46	25	13	7	4



**ROLDANA QUADRADO 1/2" - BUCHA**

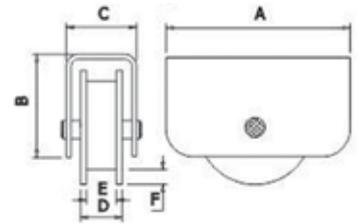
CÓDIGO	REF:	A	B	C	D	E	F	EMBAL.
072301	2"	49	19	22	12	13	7	50
072302	2 1/2"	62	20	25	15	13	7	40
072303	3"	74	20	25	15	13	7	25
072304	3 1/2"	87	21	25	17	13	7	20
072305	4"	100	21	25	17	13	7	15
072306	5"	125	26	46	20	13	7	4
072307	6"	148	27	46	25	13	7	4





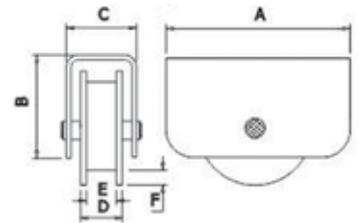
**ROLDANA CAIXA FECHADA QUADRADO 1/2" - REBITE**

CÓDIGO	REF:	A	B	C	D	E	F	EMBAL.
070311	2"	60	42	29	19	13	7	50
070312	2 1/2"	70	47	29	20	13	7	30
070313	3"	82	53	29	20	13	7	25
070314	3 1/2"	106	66	29	21	13	7	10
070315	4"	106	66	29	21	13	7	10



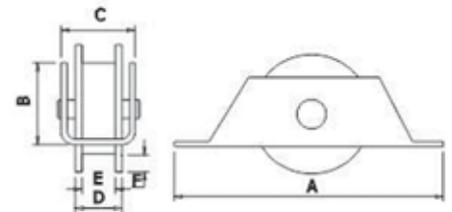
**ROLDANA CAIXA FECHADA QUADRADO 1/2" - PARAFUSO**

CÓDIGO	REF:	A	B	C	D	E	F	EMBAL.
073311	2"	60	42	29	19	13	7	50
073312	2 1/2"	70	47	29	20	13	7	30
073313	3"	82	53	29	20	13	7	25
073314	3 1/2"	106	66	29	21	13	7	10
073315	4"	106	66	29	21	13	7	10



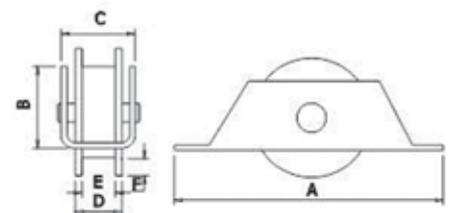
**ROLDANA CAIXA ABERTA QUADRADO 1/2" - REBITE**

CÓDIGO	REF:	A	B	C	D	E	F	EMBAL.
070331	2"	120	24	25	19	13	7	50
070332	2 1/2"	136	38	30	20	13	7	30
070333	3"	150	40	30	20	13	7	



**ROLDANA CAIXA ABERTA QUADRADO 1/2" - PARAFUSO**

CÓDIGO	REF:	A	B	C	D	E	F	EMBAL.
073331	2"	120	24	25	19	13	7	50
073332	2 1/2"	136	38	30	20	13	7	30
073333	3"	150	40	30	20	13	7	25

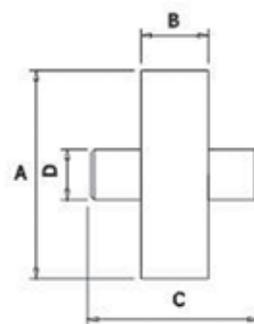


**ROLDANA LISA**  
**ROLDANA CABO DE AÇO**



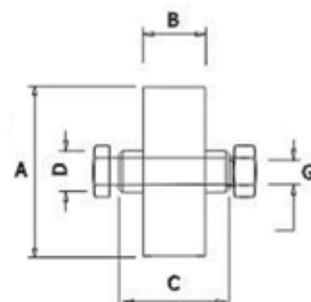
### ROLDANA LISA (SEM CANAL) - PINO

CÓDIGO	REF:	A	B	C	D	EMBAL.
301301	2"	49	19	40	12	50
301302	2 1/2"	62	20	45	15	40
301303	3"	74	20	45	15	25
301304	3 1/2"	87	21	45	17	20
301305	4"	100	21	45	17	15



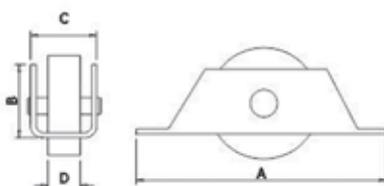
### ROLDANA LISA (SEM CANAL) - BUCHA

CÓDIGO	REF:	A	B	C	D	G	EMBAL.
302301	2"	49	19	22	12	5/16"	50
302302	2 1/2"	62	20	25	15	3/8"	40
302303	3"	74	20	25	15	3/8"	25
302304	3 1/2"	87	21	25	17	3/8"	20
302305	4"	100	21	25	17	3/8"	15



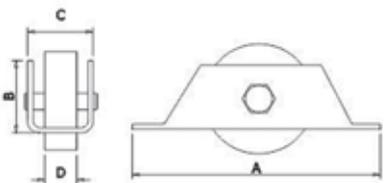
### ROLDANA CAIXA ABERTA LISA (SEM CANAL) - REBITE

CÓDIGO	REF:	A	B	C	D	EMBAL.
300331	2"	120	24	25	19	50
300332	2 1/2"	136	38	30	20	30
300333	3"	150	40	30	20	25



### ROLDANA CAIXA ABERTA LISA (SEM CANAL) - PARAFUSO

CÓDIGO	REF:	A	B	C	D	EMBAL.
303331	2"	120	24	25	19	50
303332	2 1/2"	136	38	30	20	30
303333	3"	150	40	30	20	25



# ROLDANA CABO DE AÇO

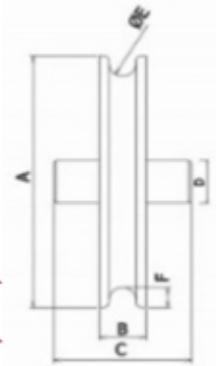


## ROLDANA CABO DE AÇO - PINO

CÓDIGO	REF:	A	B	C	D	E	F	EMBAL.
010360	2"	49	16	40	12	11	6	50
010361	2 1/2"	62	16	45	15	11	6	40
010362	3"	74	16	45	15	11	6	25
010363	3 1/2"	87	17	45	17	11	6	10
010364	4"	100	17	45	17	11	6	10
010367	4"	100	17	200	17	11	6	6
010365	5"	125	17	45	17	11	6	6
010368	5"	125	17	200	17	11	6	6
010366	6"	148	20	45	20	11	6	6

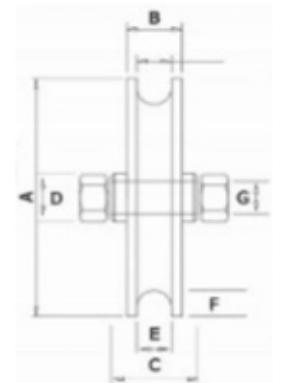
LANÇAMENTO

LANÇAMENTO



## ROLDANA CABO DE AÇO - BUCHA

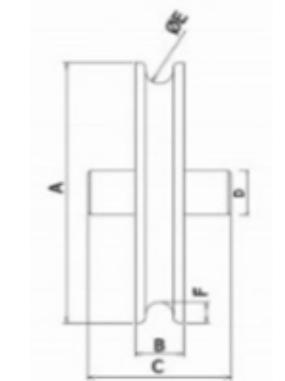
CÓDIGO	REF:	A	B	C	D	E	F	G	EMBAL.
000360	2"	49	16	25	12	11	6	5/16"	50
000361	2 1/2"	62	16	25	15	11	6	3/8"	40
000362	3"	74	16	25	15	11	6	3/8"	25
000363	3 1/2"	87	17	25	17	11	6	3/8"	10
000364	4"	100	17	25	17	11	6	3/8"	10
000365	5"	87	17	25	17	11	6	3/8"	6
000366	6"	100	20	25	20	11	6	3/8"	6



## ROLDANA EM PP CABO DE AÇO - PINO

CÓDIGO	REF:	A	B	C	D	E	F	EMBAL.
013360	2"	49	16	40	12	11	6	50
013361	2 1/2"	62	16	45	15	11	6	40
013362	3"	74	16	45	15	11	6	25
013364	4"	100	17	45	17	11	6	10

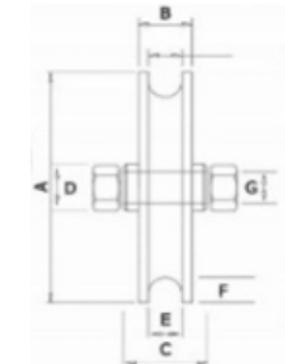
LANÇAMENTO



## ROLDANA EM PP CABO DE AÇO - BUCHA

CÓDIGO	REF:	A	B	C	D	E	F	G	EMBAL.
800360	2"	49	16	25	12	11	6	5/16"	50
800361	2 1/2"	62	16	25	15	11	6	3/8"	40
800362	3"	74	16	25	15	11	6	3/8"	25
800364	4"	100	17	25	17	11	6	3/8"	10

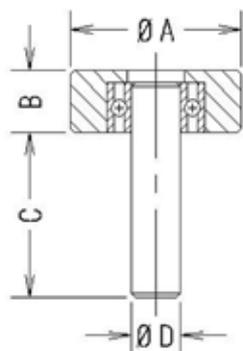
LANÇAMENTO



The background features a complex arrangement of overlapping geometric shapes. Large blue triangles are positioned at the top-left and bottom-left corners. A prominent black triangle points downwards from the top-right towards the center. The remaining space is filled with various shades of white and light gray, creating a layered, architectural effect.

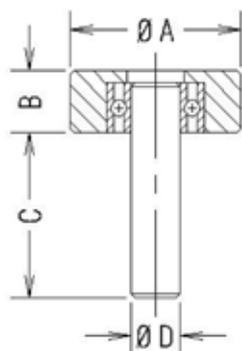
# *GUIAS E RODÍZIOS*





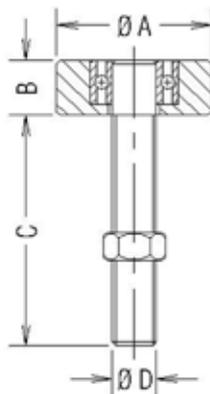
### GUIA SUPERIOR PINO

CÓDIGO	REF:	A	B	C	D	EMBAL.
OO1500	42x15	42	15	50	12	100
OO1502	44x15	44	15	50	15	100
OO1503	48x15	48	15	50	15	50
OO1504	60X16	60	16	50	15	30
OO1505	62X20	62	20	50	15	25
OO1506	65X20	65	20	50	15	25
OO1507	68X20	68	20	50	15	20
OO1509	70X20	70	20	50	15	20



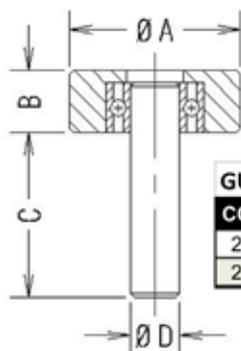
### GUIA SUPERIOR ROLAMENTO EXPOSTO

CÓDIGO	REF:	A	B	C	EMBAL.
OO1501	40x12	40	12	17	100



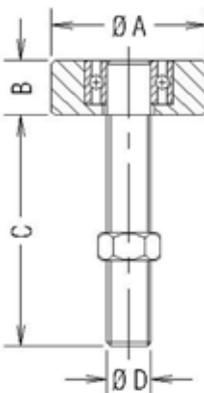
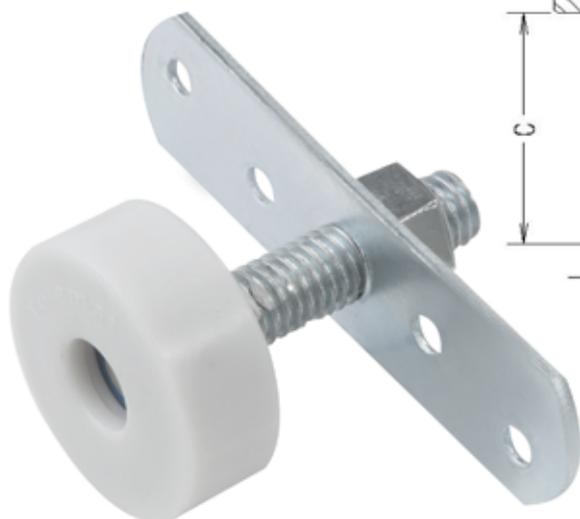
### GUIA SUPERIOR COM ROSCA AÇO 1020/1045

CÓDIGO	REF:	A	B	C	D	EMBAL.
211500	42x15	42	15	50	1/2"	50
211502	44x15	44	15	50	1/2"	50



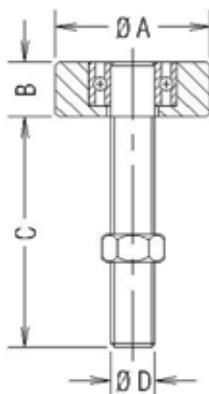
### GUIA SUPERIOR PP PINO

CÓDIGO	REF:	A	B	C	D	EMBAL.
231500	42x17	42	17	48	12	100
231502	44x17	44	17	48	12	100



### GUIA SUPERIOR PP ROSCA

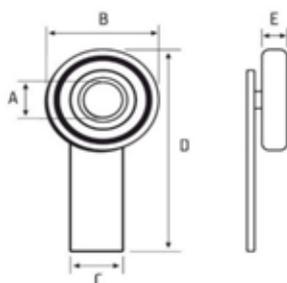
CÓDIGO	REF:	A	B	C	D	EMBAL.
221500	42x17	42	17	50	1/2"	50
221502	44x17	44	17	50	1/2"	50



LANÇAMENTO

### GUIA SUPERIOR PP 44 X 17 X 90

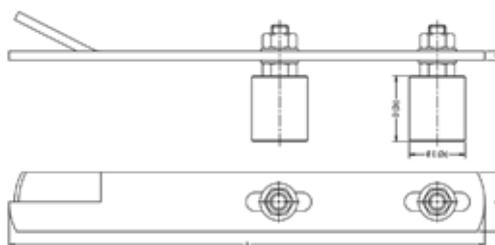
CÓDIGO	REF:	A	B	C	D	EMBAL.
221505	44X17X90	44	17	83	1/2"	50



LANÇAMENTO

### GUIA COM HASTE

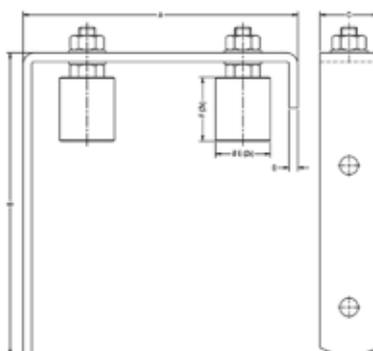
CÓDIGO	REF:	A	B	C	D	E	EMBAL.
281500	R6203	17	40	1"	100	12	30
281501	R6206	30	62	1 1/4"	130	16	30



LANÇAMENTO

### GUIA BARRA RETA 2x1 PARA CHUMBAR

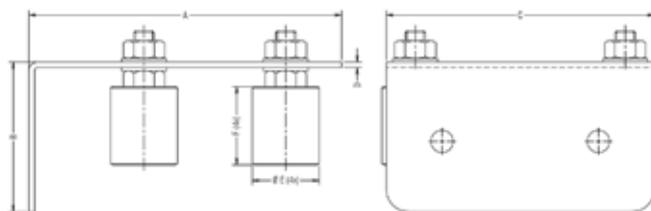
CÓDIGO	REF:	A	B	C	D	E	EMBAL.
024700	20X40 Zincado	250	31,8	4,75	40	20	25
024701	20X40 Branco	250	31,8	4,75	40	20	25
024730	25X35 Zincado	250	31,8	4,75	35	25	25
024731	25X35 Branco	250	31,8	4,75	35	25	25
024710	30X35 Zincado	250	31,8	4,75	35	30	25
024711	30X35 Branco	250	31,8	4,75	35	30	25
024720	30X70 Zincado	250	31,8	4,75	70	30	25
024721	30X70 Branco	250	31,8	4,75	70	30	25



LANÇAMENTO

### GUIA BARRA L 2x1 PARAFUSAR

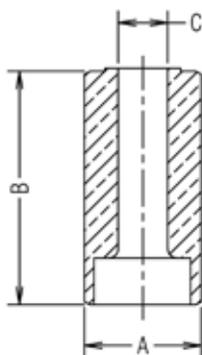
CÓDIGO	REF:	A	B	C	D	E	F	EMBAL.
024610	20X40 Zincado	150	160	31,8	4,75	20	40	20
024620	20X40 Branco	150	160	31,8	4,75	20	40	20
024613	25X35 Zincado	150	160	31,8	4,75	25	35	20
024623	25X35 Branco	150	160	31,8	4,75	25	35	20
024611	30X35 Zincado	150	160	31,8	4,75	30	35	20
024621	30X35 Branco	150	160	31,8	4,75	30	35	20
024612	30X70 Zincado	150	160	31,8	4,75	30	70	20
024622	30X70 Branco	150	160	31,8	4,75	30	70	20



LANÇAMENTO

### GUIA SUPORTE 4X1

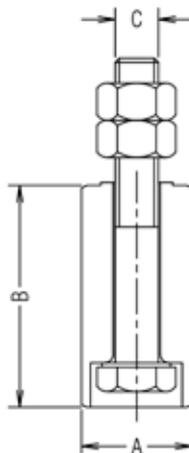
CÓDIGO	REF:	A	B	C	D	E	F	EMBAL.
024630	30X35 Zincado	145	70	120	2,65	30	35	15
024631	30X35 Branco	145	70	120	2,65	30	35	15



LANÇAMENTO

### GUIA SUPERIOR ROLETE SEM PARAFUSO

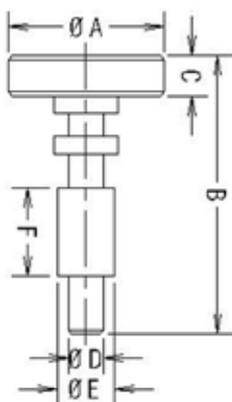
CÓDIGO	REF:	A	B	C	EMBAL.
024510	20 x 40 PP	20	40	8,5	20
024511	25 x 35 PP	25	35	8,5	20
024512	30 x 35 PP	30	35	9,7	20
024513	30 x 70 PP	30	70	9,7	20



LANÇAMENTO

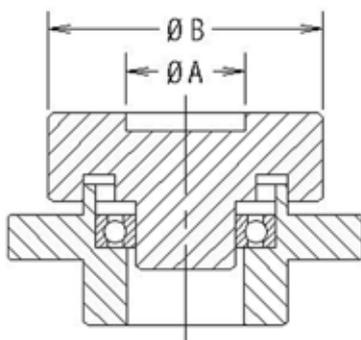
### GUIA SUPERIOR ROLETE COM PARAFUSO

CÓDIGO	REF:	A	B	C	EMBAL.
024516	20 x 40 PP	20	40	5/16"	20
024517	25 x 35 PP	25	35	5/16"	20
024518	30 x 35 PP	30	35	3/8"	20
024519	30 x 70 PP	30	70	3/8"	20



### GUIA LATERAL PP

CÓDIGO	REF:	A	B	C	D	E	F	EMBAL.
OO8000	44x19	44	110	19	15,88	21	72	20
OO8001	48x18	48	110	18	15,88	21	72	20



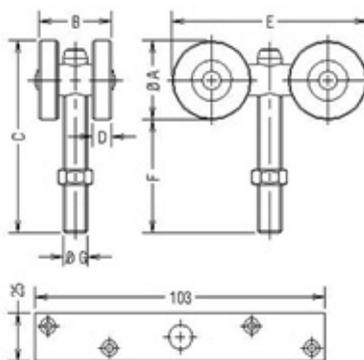
### GUIA GIRATÓRIO PEÃO PARA BASE DE PORTÃO

CÓDIGO	REF:	A	B	O.B.S.
OO1600	3/4"	27	62	ROLAMENTO 6203
O11600	3/4"	27	62	ROLAMENTO ENCOSTO
OO1601	1"	34	62	ROLAMENTO 6203
O11601	1"	34	62	ROLAMENTO ENCOSTO
OO1602	1 1/4"	43	62	ROLAMENTO 6203
O11602	1 1/4"	43	62	ROLAMENTO ENCOSTO
OO1603	1 1/2"	49	62	ROLAMENTO 6203
O11603	1 1/2"	49	62	ROLAMENTO ENCOSTO

# KIT PARA PORTÃO BASCULANTE

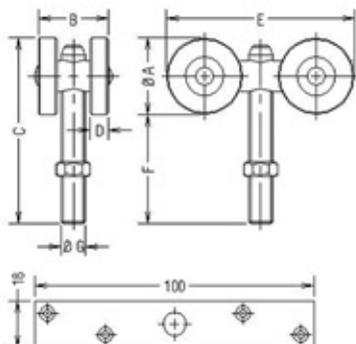


CÓDIGO	REF:	DESCRIÇÃO
323201	1	kit portão 1 / Roldana para cabo 3" / Guia nylon 48MM
323202	2	kit portão 2 / Roldana para cabo 4" / Guia nylon 48MM
323203	3	kit portão 3 / Roldana para cabo 5" / Guia nylon 60MM



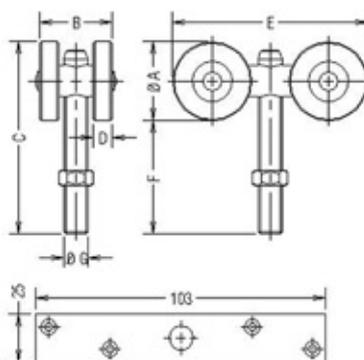
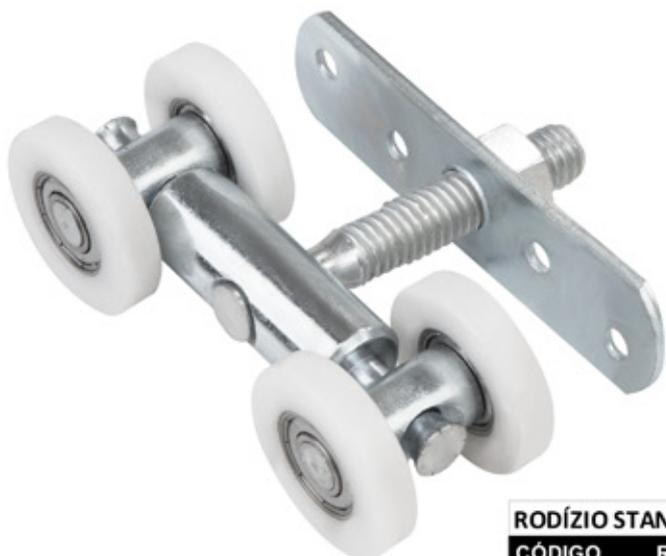
**RODÍZIO STANLEY 4X1 1 1/2"**

CÓDIGO	REF:	A	B	C	D	E	F	G	EMBAL.
000431	4x1	38	38	93	8,5	120	55	1/2"	20



**RODÍZIO STANLEY 4X1 1"**

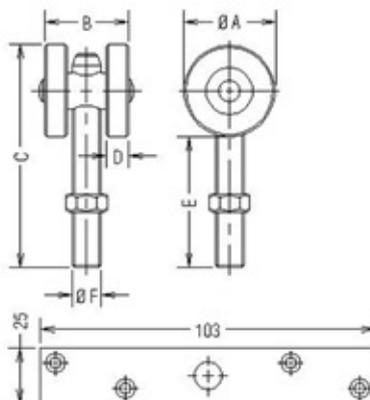
CÓDIGO	REF:	A	B	C	D	E	F	G	EMBAL.
000430	4x1	24	24	70	7	80	46	5/16"	30



**RODÍZIO STANLEY 4X1 1 1/2" NYLON**

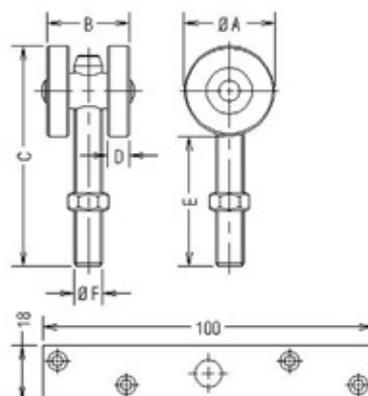
CÓDIGO	REF:	A	B	C	D	E	F	G	EMBAL.
000433	4x1	38	38	93	8,5	120	55	1/2"	20

LANÇAMENTO



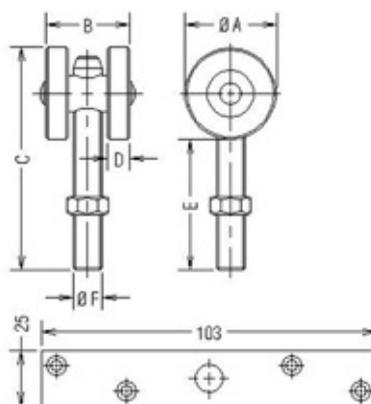
**RODÍZIO STANLEY 2X1 1 1/2"**

CÓDIGO	REF:	A	B	C	D	E	F	EMBAL.
OOO421	2x1	38	38	93	8,5	55	1/2"	20



**RODÍZIO STANLEY 2X1 1"**

CÓDIGO	REF:	A	B	C	D	E	F	EMBAL.
OOO420	2x1	24	24	70	7	46	5/16"	30

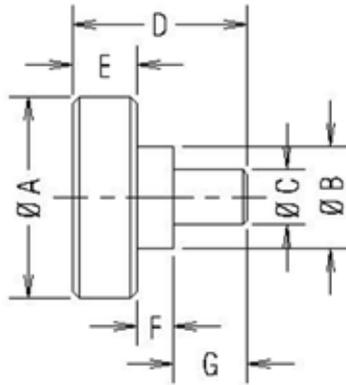


**RODÍZIO STANLEY 2X1 1 1/2" NYLON**

CÓDIGO	REF:	A	B	C	D	E	F	EMBAL.
OOO423	2x1	38	38	93	8,5	55	1/2"	20

LANÇAMENTO

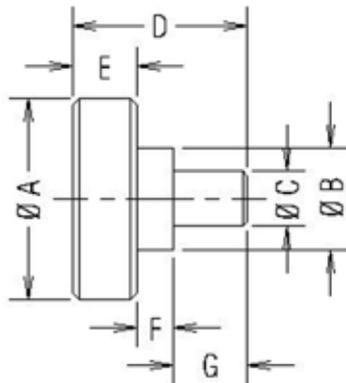
# RODÍZIO DE FERRO



## RODÍZIO DE FERRO

CÓDIGO	REF:	A	B	C	D	E	F	G
OOO406	7/8"	22	12,7	6	11	7	3	6
OOO407	1"	24	12,7	6	11	7	3	6
OOO408	1 1/4"	32	12,7	6	11	8,5	3	6
OOO409	1 1/2"	38	12,7	6	11	8,5	3	6

# RODÍZIO COM ROLAMENTO

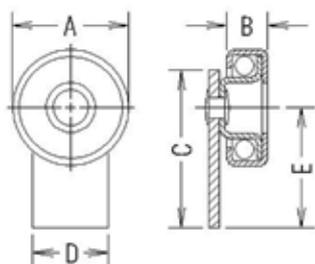
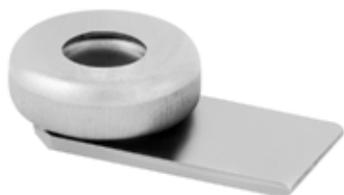


## PINO COM ROLAMENTO

CÓDIGO	REF:	A	B	C	D	E	F	G
OO6201	6201	32	12	6,3	21	10	3	8
OO6202	6202	35	15	7,5	22	11	3	8
OO6203	6203	40	17	7,5	23	12	3	8
OO6206	6206	62	30	10	29	16	5	6

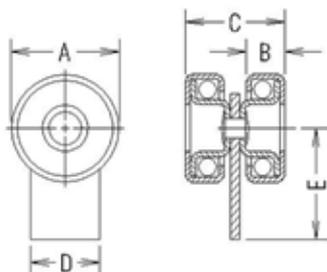
LANÇAMENTO

# RODÍZIO ESTAMPADO



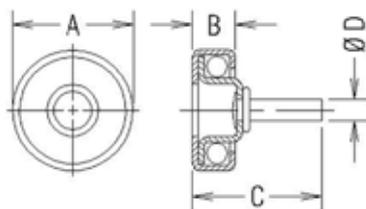
## RODÍZIO ESTAMPADO R10C

CÓDIGO	REF:	A	B	C	D	E
000401	R10C	26	9	40	19	31



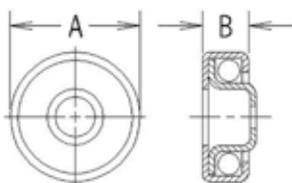
## RODÍZIO ESTAMPADO R10 CD

CÓDIGO	REF:	A	B	C	D	E
000402	R10 CD	26	9	23	19	31



## RODÍZIO ESTAMPADO R10P

CÓDIGO	REF:	A	B	C	D
000403	R10P	26	9	27	4,5



## RODÍZIO ESTAMPADO R10

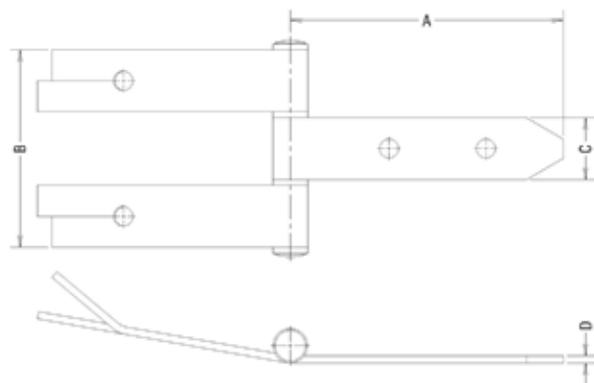
CÓDIGO	REF:	A	B
000400	R10	26	9

The background is an abstract composition of overlapping geometric shapes. It features large, solid blue triangles and rectangles, some of which are layered over a light gray background. A prominent black diagonal shape cuts across the center, serving as a backdrop for the text. The overall aesthetic is modern and minimalist.

# *DIVERSOS*

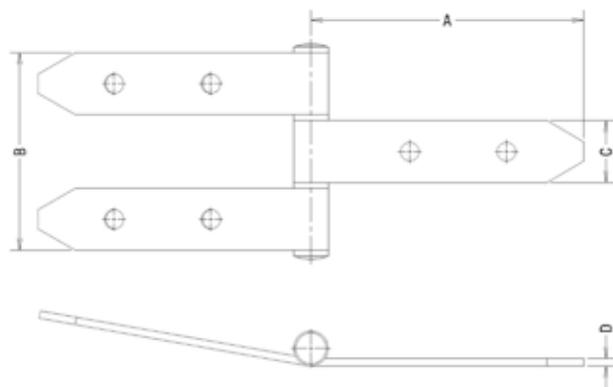


# DOBRADIÇA PARA PORTÃO



**DOBRADIÇA DE PORTÃO DE CHUMBAR 2 GARRAS**

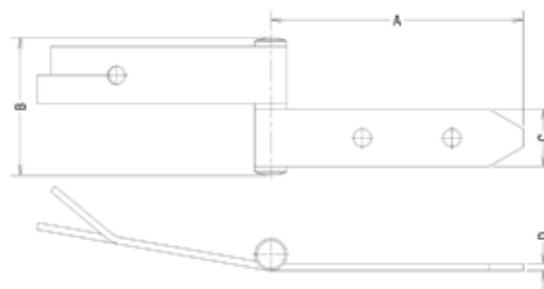
CÓDIGO	REF:	A	B	C	D
108023	6" GAL.	145	115	32	4,25
108024	8" GAL.	195	115	32	4,25
108025	10" GAL.	250	115	32	4,25
308023	6" BIC.	145	115	32	4,25
308024	8" BIC.	195	115	32	4,25
308025	10" BIC.	250	115	32	4,25



**DOBRADIÇA DE PORTÃO DE APARAFUSAR 2 GARRAS**

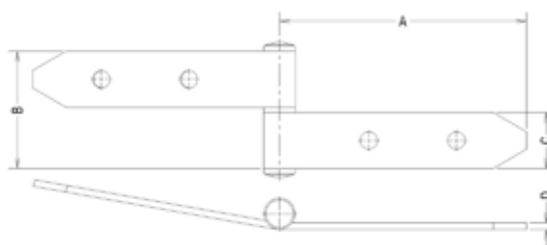
CÓDIGO	REF:	A	B	C	D
108020	6" GAL..	145	115	32	4,25
108021	8" GAL.	195	115	32	4,25
108022	10" GAL.	250	115	32	4,25
308020	6" BIC.	145	115	32	4,25
308021	8" BIC.	195	115	32	4,25
308022	10" BIC.	250	115	32	4,25

# DOBRADIÇA PARA PORTÃO



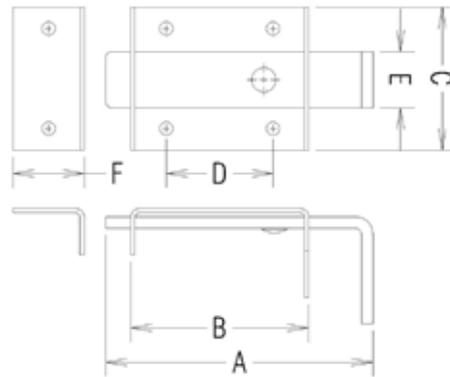
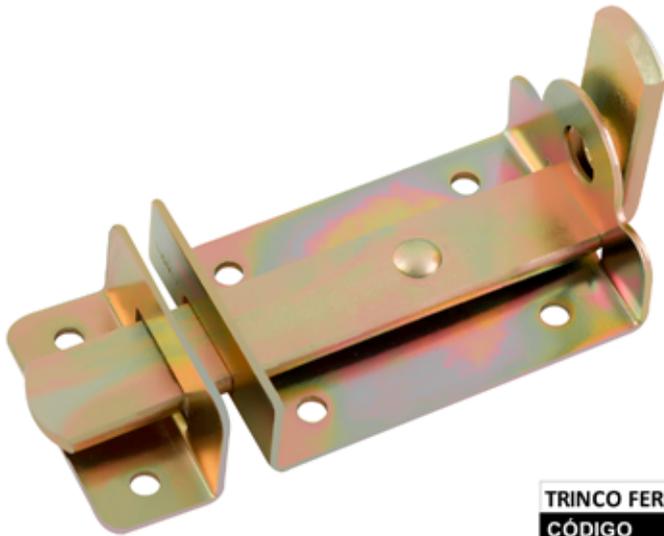
**DOBRADIÇA DE PORTÃO DE CHUMBAR 1 GARRA**

CÓDIGO	REF:	A	B	C	D
108013	6" GAL.	145	70	32	4,25
108014	8" GAL.	195	70	32	4,25
108015	10" GAL.	250	70	32	4,25
308013	6" BIC.	145	70	32	4,25
308014	8" BIC.	195	70	32	4,25
308015	10" BIC.	250	70	32	4,25



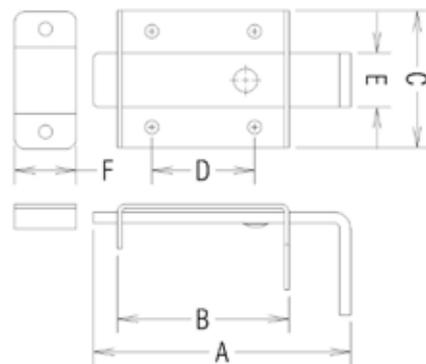
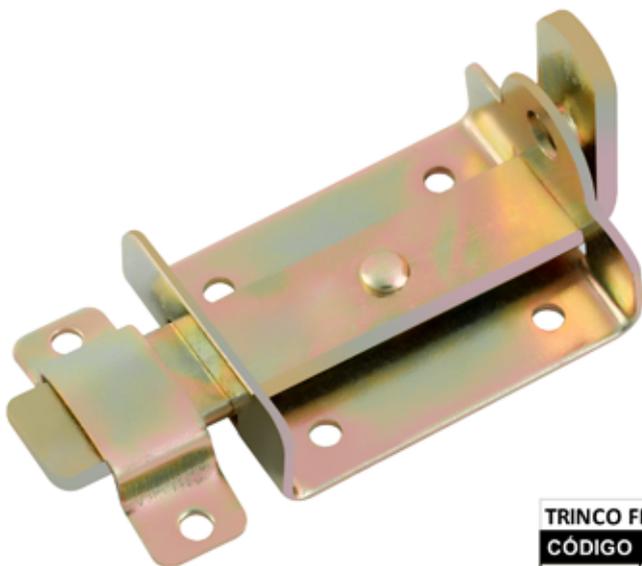
**DOBRADIÇA DE PORTÃO DE APARAFUSAR 1 GARRA**

CÓDIGO	REF:	A	B	C	D
108010	6" GAL.	145	70	32	4,25
108011	8" GAL.	195	70	32	4,25
108012	10" GAL.	250	70	32	4,25
308010	6" BIC.	145	70	32	4,25
308011	8" BIC.	195	70	32	4,25
308012	10" BIC.	250	70	32	4,25



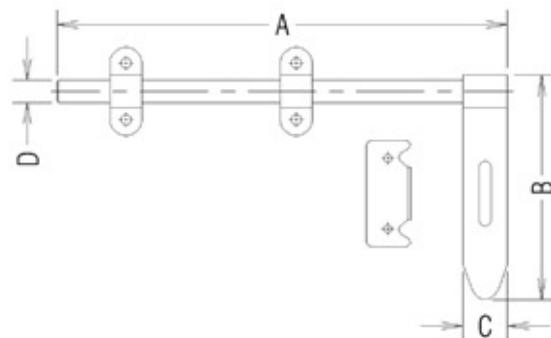
### TRINCO FERRO CHATO REFORÇADO

CÓDIGO	REF:	A	B	C	D	E	F	EMBAL.
300001	1 1/2" BIC.	75	42	40	28	5/8"	17	150
300002	2" BIC.	95	50	50	32	3/4"	22	100
300003	3" BIC.	110	67	50	48	3/4"	22	75
300004	4" BIC.	135	95	50	74	3/4"	22	50
300005	5" BIC.	195	120	50	100	3/4"	22	50
300006	6" BIC.	220	145	50	125	3/4"	22	50
100001	1 1/2" GAL.	75	42	40	28	5/8"	17	150
100002	2" GAL.	95	50	50	32	3/4"	22	100
100003	3" GAL.	110	67	50	48	3/4"	22	75
100004	4" GAL.	135	95	50	74	3/4"	22	50
100005	5" GAL.	195	120	50	100	3/4"	22	50
100006	6" GAL.	220	145	50	125	3/4"	22	50



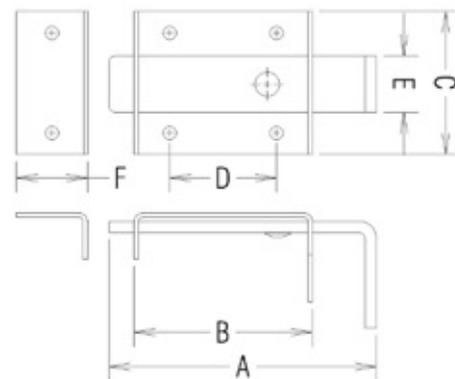
### TRINCO FERRO CHATO LINHA LEVE

CÓDIGO	REF:	A	B	C	D	E	F	EMBAL.
300010	2" BIC.	80	50	40	33	5/8"	13	100
300011	3" BIC.	107	75	40	59	5/8"	13	75
300012	4" BIC.	131	100	40	84	5/8"	13	50
100010	2" GAL.	80	50	40	33	5/8"	13	100
100011	3" GAL.	107	75	40	59	5/8"	13	75
100012	4" GAL.	131	100	40	84	5/8"	13	50



### TRINCO FERROLHO

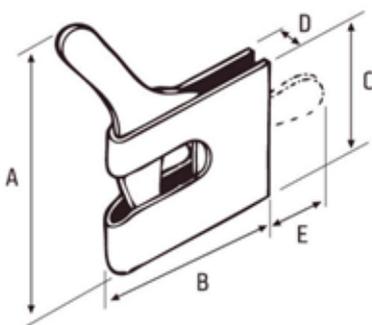
CÓDIGO	REF:	A	B	C	D
300020	8" BIC.	8"	5"	1"	1/2"
300021	10" BIC.	10"	5"	1"	1/2"
300022	12" BIC.	12"	5"	1"	1/2"
300023	15" BIC.	15"	5"	1"	1/2"



### TRINCO FERRO CHATO SEGURANÇA

CÓDIGO	REF:	A	B	C	D	E	F
300030	3"	132	81	50	48,5	30	23
300031	4"	157	106	50	73,5	30	23
300032	5"	182	131	50	98,5	30	23

# FECHO AUTOMÁTICO



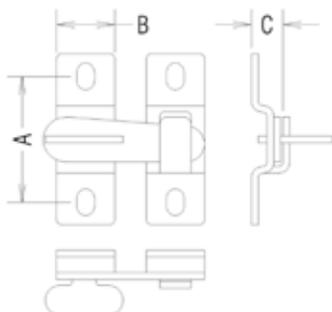
## FECHO AUTOMÁTICO

CÓDIGO	O.B.S	A	B	C	D	E	ACAB.	EMBAL.
109980	SEM FERROLHO	70	62	42	7	24	Polido	50
309980	SEM FERROLHO	70	62	42	7	24	Bic.	50
109981	COM FERROLHO	70	62	42	7	24	Polido	50
309981	COM FERROLHO	70	62	42	7	24	Bic.	50

LANÇAMENTO

LANÇAMENTO

# TRAQUETA



## TRANQUETA CENTRAL

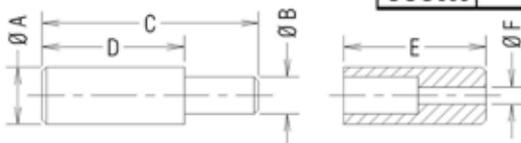
CÓDIGO	REF:	A	B	C	ACAB.	EMBAL.
100609	ALTA	28	13	8	Zincado	100
300609	ALTA	28	13	8	Bic.	100
400609	ALTA	28	13	8	Zinc.Preto	100
100610	BAIXA	28	13	5	Zincado	100
300610	BAIXA	28	13	5	Bic.	100
400610	BAIXA	28	13	5	Zinc.Preto	100

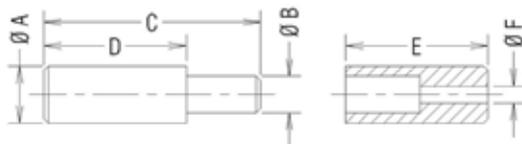
# GONZOS



## GONZO TORNEADO

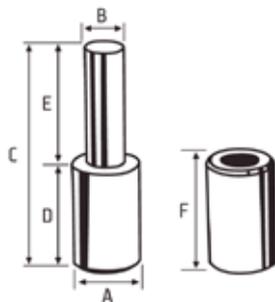
CÓDIGO	REF:	A	B	C	D	E	ACAB.	EMBAL.
OOO901	3/8"	9,52	6	34	25	25	Polido	500
OOO902	1/2"	12,7	8	36	26	26	Polido	250
OOO903	5/8"	15,88	9	39	28	28	Polido	150
OOO904	3/4"	19,05	11	44	33	33	Polido	90
OOO905	7/8"	22,22	14	51	36	36	Polido	50
OOO906	1"	25	16	68	41	41	Polido	40
OOO907	1 1/4"	31,75	22	70	50	50	Polido	20
OOO908	1 1/2"	38,1	26	70	50	50	Polido	20
OOO909	2"	50	27	95	65	65	Polido	10





### GONZO TORNEADO COM LUBRIFICAÇÃO

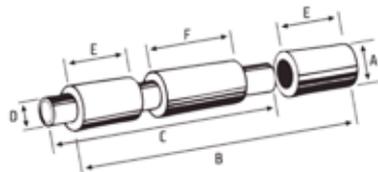
CÓDIGO	REF:	A	B	C	D	E	F	ACAB.	EMBAL.
800902	1/2"	12,7	8	36	26	26	5	Polido	250
800903	5/8"	15,88	9	39	28	28	5	Polido	150
800904	3/4"	19,05	11	44	33	33	5	Polido	90
800905	7/8"	22,22	14	51	36	36	5	Polido	50
800906	1"	25	16	68	41	41	5	Polido	40
800907	1 1/4"	31,75	22	70	50	50	6	Polido	20
800908	1 1/2"	38,1	26	70	50	50	6	Polido	20
800909	2"	50	27	95	65	65	6	Polido	10



LANÇAMENTO

### GONZO TORNEADO PASSANTE

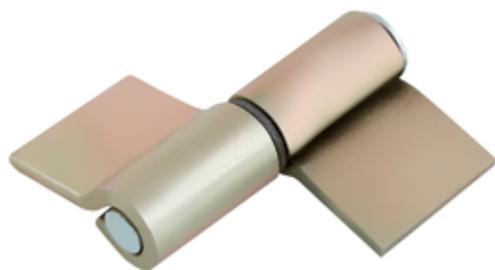
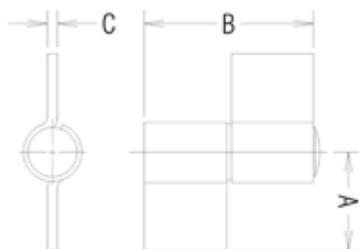
CÓDIGO	REF:	A	B	C	D	E	F	ACAB.	EMBAL.
901902	1/2"	12,7	8	60	27,5	32	27,5	Polido	250
901903	5/8"	15,88	10	60	27,5	32	27,5	Polido	150
901904	3/4"	19,05	11	68	32	36	32	Polido	90
901905	7/8"	22,22	12,7	75	35	40	35	Polido	50
901906	1"	25	14,29	75	35	40	35	Polido	40



LANÇAMENTO

### GONZO TRIPLO

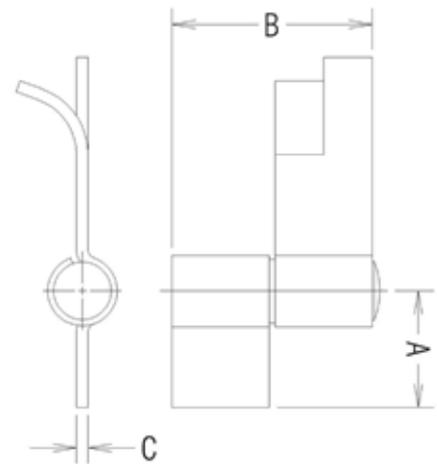
CÓDIGO	REF:	A	B	C	D	E	F	ACAB.	EMBAL.
000916	5/8"	19	83	73	11	25	33	Polido	80



### GONZO COM ABA

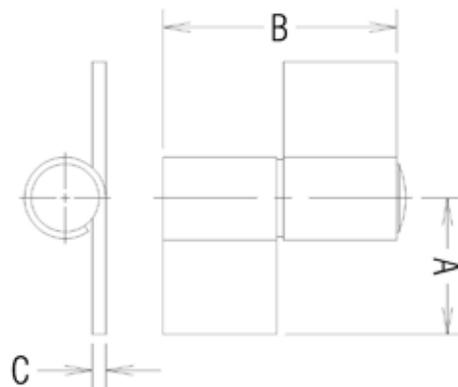
CÓDIGO	REF:	A	B	C	ACAB.	EMBAL.
300930	0	32	35	1/8"	Bic.	200
300935	1	39	40	1/8"	Bic.	150
300936	2	39	54	3/16"	Bic.	100
300937	3	39	67	3/16"	Bic.	50
300938	4	39	80	3/16"	Bic.	50

LANÇAMENTO



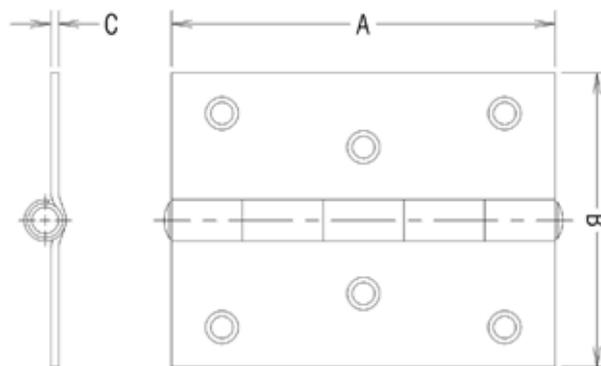
### GONZO COM ABA E CHUMBADOR

CÓDIGO	REF:	A	B	C	ACAB.	EMBAL.
300931	1	39	40	1/8"	Bic.	50
300932	2	39	54	3/16"	Bic.	50
300933	3	39	67	3/16"	Bic.	30
300934	4	39	80	3/16"	Bic.	30



### GONZO DE CHAPA COM ABA

CÓDIGO	REF:	A	B	C	ACAB.	EMBAL.
OOO920	3/8"	12	43	2	Polido	500
OOO921	1/2"	17	48	2,65	Polido	250
OOO922	5/8"	18	52	3	Polido	200
OOO925	3/4"	21	61	3,35	Polido	100
OOO926	7/8"	24	68	4,7	Polido	50
OOO927	1"	26	78	4,7	Polido	50
300928	1 1/4"	44	102	6,7	Bic.	20

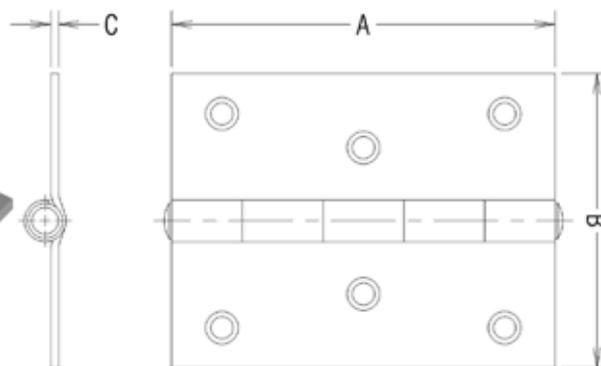


## DOBRADIÇA LINHA LEVE

CÓDIGO	REF:	A	B	C	ACAB.	EMBAL.
OOO500	1 1/2"	38	28	0,9	Polido	1000
OOO507	2"	50	38	1,2	Polido	1000
OOO502	2 1/2"	62	42	1,2	Polido	500
OOO501	3"	74	50	1,2	Polido	300
OOO503	3" x 2 1/2"	76	62	1,5	Polido	250
OOO504	3 1/2"	88	59	1,5	Polido	250

LANÇAMENTO

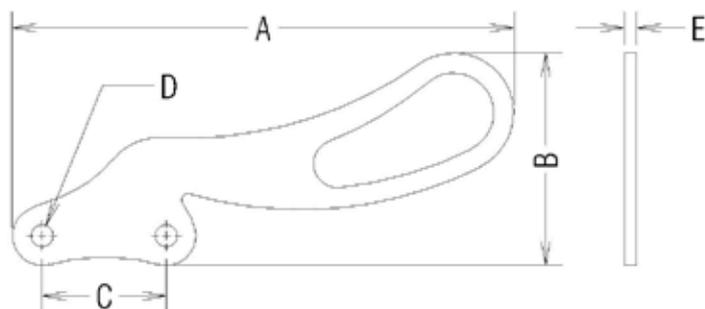
LANÇAMENTO



## DOBRADIÇA LINHA REFORÇADA

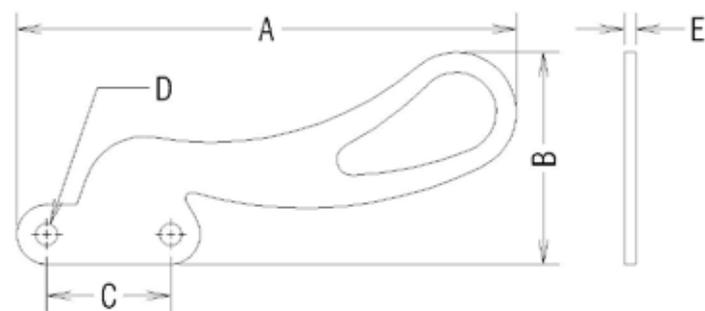
CÓDIGO	REF:	A	B	C	ACAB.	EMBAL.
OOO513	3" X 2 5/8"	76	68	2,25	Polido	100
OOO514	3 1/2"	88	76	2,25	Polido	100
OOO515	4"	100	76	2,25	Polido	100

LANÇAMENTO



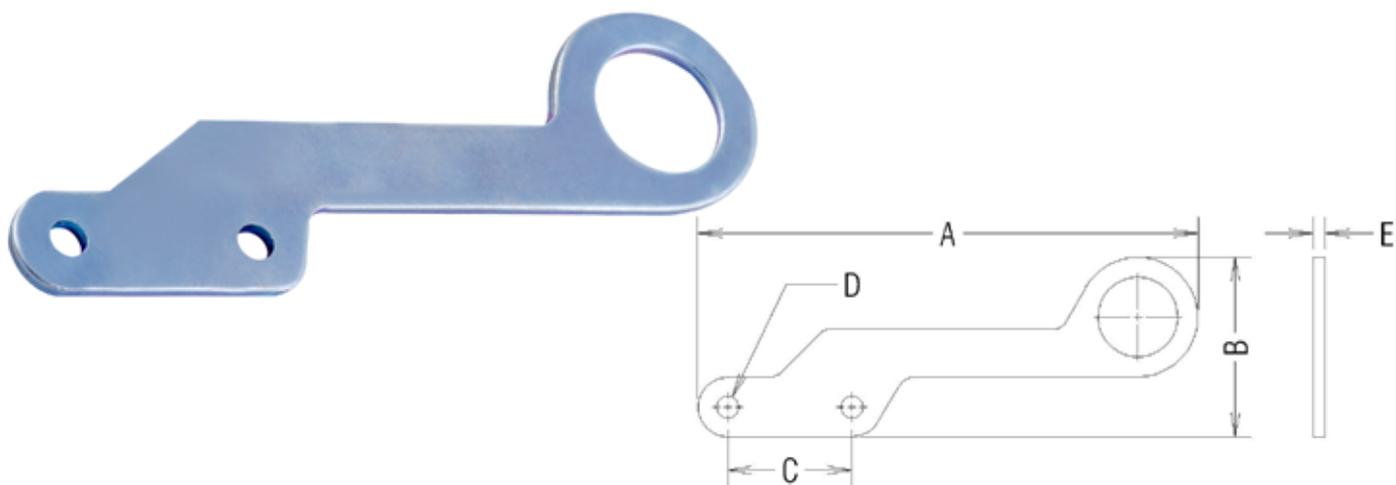
### ALAVANCA CURTA 113

CÓDIGO	REF:	A	B	C	D	E	ACAB.	EMBAL.
000113	113	110	55	30	5	2,25	Polido	12
100113	113	110	55	30	5	2,25	Zincada	12
400113	113	110	55	30	5	2,25	Niquelada	12



### ALAVANCA 114

CÓDIGO	REF:	A	B	C	D	E	ACAB.	EMBAL.
000114	114	125	55	32	5	2,65	Polido	12
100114	114	125	55	32	5	2,65	Zincada	12
400114	114	125	55	32	5	2,65	Niquelada	12



### ALAVANCA 115

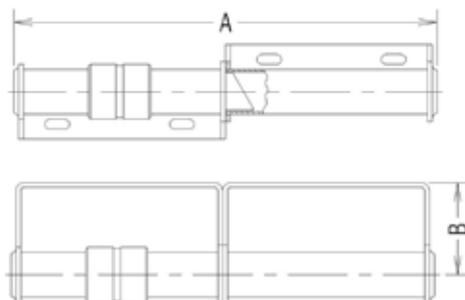
CÓDIGO	REF:	A	B	C	D	E	ACAB.	EMBAL.
000115	115	130	50	30	5	2,65	Polido	12
100115	115	130	50	30	5	2,65	Zincada	12
400115	115	130	50	30	5	2,65	Niquelada	12



### ALAVANCA COM CAVALHETE

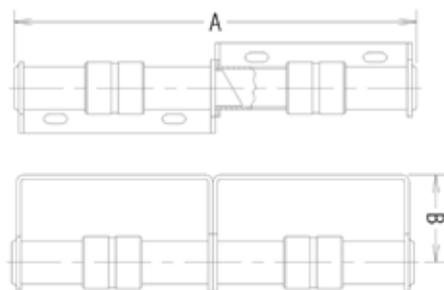
CÓDIGO	REF:	A	B	C	D	E	ACAB.	EMBAL.
000116	116	125	55	33	5	2,65	Polido	12
100116	116	125	55	33	5	2,65	Zincada	12
400116	116	125	55	33	5	2,65	Niquelada	12

# PUNHO DE FERRO



## PUNHO DE FERRO 1 ANEL

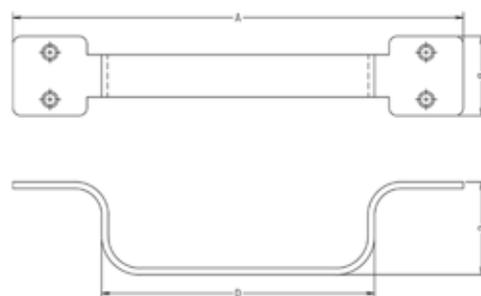
CÓDIGO	REF:	A	B	ACAB.	EMBAL.
110601	1 A N	160	40	Zincado	100
410601	1 A N	160	40	Niquelado	100



## PUNHO DE FERRO 2 ANEIS

CÓDIGO	REF:	A	B	ACAB.	EMBAL.
110602	2 A N	160	40	Zincado	100
410602	2 A N	160	40	Niquelado	100
510602	2 A N	160	40	Latonado	100

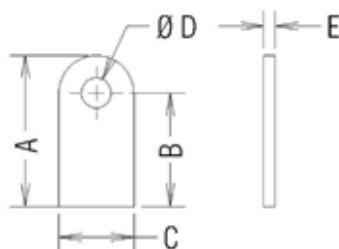
# PUXADOR



## LANÇAMENTO

### PUXADOR ALÇA

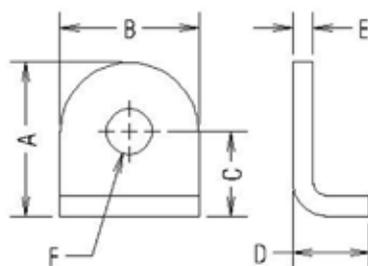
CÓDIGO	REF:	A	B	C	D	EMBAL.
110700	ZINCADO	172	30	35	110	50
110701	BI-CROMATIZADO	172	30	35	110	50
110705	NIQUELADO	172	30	35	110	50
110707	CROMADO	172	30	35	110	50
110703	FLO	172	30	35	110	50
110704	F. PRETO	172	30	35	110	50
110706	F. BRANCO	172	30	35	110	50



## CAVALHETE DE FERRO RETO

CÓDIGO	REF:	A	B	C	D	E	ACAB.	PÇ / KILO	EMBAL.
222100	3/16" CURTO	30	22	20	5	2,65	Polido	91	15 Kg
222101	3/16"	40	30	20	5	2,65	Polido	68	15 Kg
222102	1/4"	40	30	20	6,3	2,65	Polido	66	15 Kg
222103	5/16"	40	30	20	8	2,65	Polido	67	15 Kg
222104	3/8"	45	33	22	9,5	3	Polido	50	15 Kg
222105	1/2"	52	40	25	12	4,76	Polido	25	15 Kg

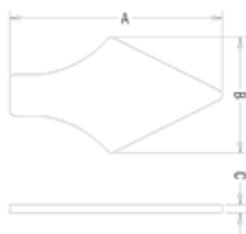
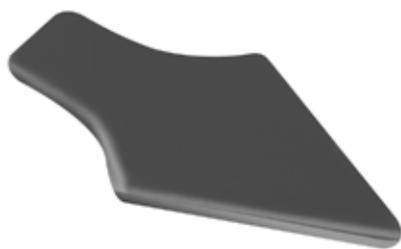
QUANTIDADE DE PEÇAS POR Kg PODEM OCORRER VARIAÇÃO



## CAVALHETE DE FERRO DOBRADO

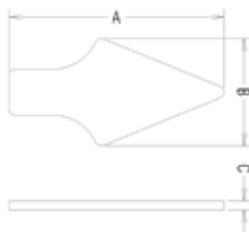
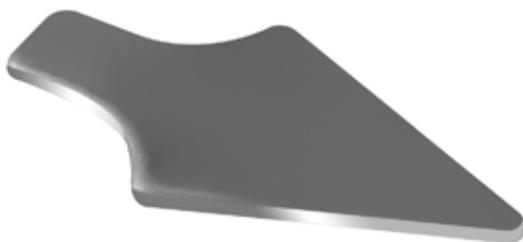
CÓDIGO	REF:	A	B	C	D	E	F	ACAB.	PÇ / KILO	EMBAL.
111101	3 1/6"	28	20	18	17	2,65	5	Polido	68	15 Kg
111102	1/4"	28	20	18	17	2,65	6,3	Polido	66	15 Kg
111103	5 1/6"	28	20	18	17	2,65	8	Polido	67	15 Kg
111104	3/8"	33	22	20	18	3	9,5	Polido	50	15 Kg
111105	1/2"	38	25	26	19	4,7	12	Polido	25	15 Kg

QUANTIDADE DE PEÇAS POR Kg PODEM OCORRER VARIAÇÃO



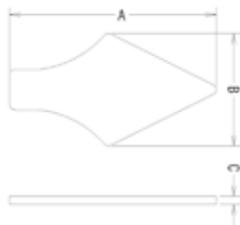
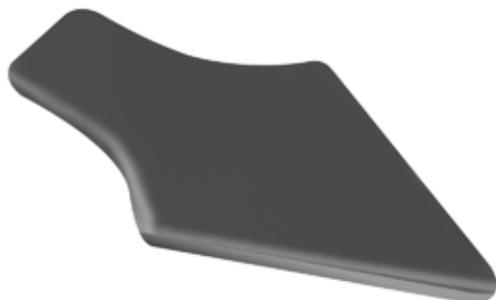
## PONTEIRA DE FERRO PP

CÓDIGO	REF:	A	B	C	DESCRIÇÃO	ACAB.	PÇ / KILO	EMBAL.
100107	107	64	33	2,65	PONTEIRA DE FERRO PP	POLIDA	38	15 Kg



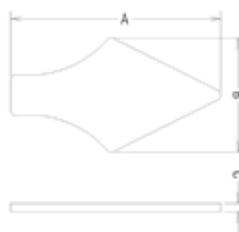
## PONTEIRA DE FERRO PEQUENA

CÓDIGO	REF:	A	B	C	DESCRIÇÃO	ACAB.	PÇ / KILO	EMBAL.
100108	108	75	37	2,65	PONTEIRA DE FERRO PEQUENA	POLIDA	25	15 Kg



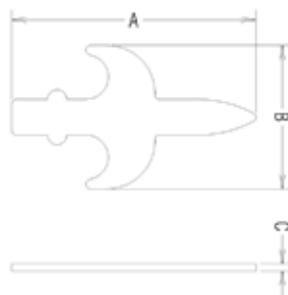
## PONTEIRA DE FERRO MÉDIA

CÓDIGO	REF:	A	B	C	DESCRIÇÃO	ACAB.	PÇ / KILO	EMBAL.
100109	109	85	50	3	PONTEIRA DE FERRO MÉDIA	POLIDA	18	15 Kg



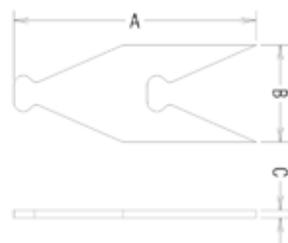
## PONTEIRA DE FERRO GRANDE

CÓDIGO	REF:	A	B	C	DESCRIÇÃO	ACAB.	PÇ / KILO	EMBAL.
100111	111	100	50	2,65	PONTEIRA DE FERRO GRANDE	POLIDA	15	15 Kg



## PONTEIRA DE FERRO FLOR DE LIZ

CÓDIGO	REF:	A	B	C	DESCRIÇÃO	ACAB.	PÇ / KILO	EMBAL.
100110	110	100	60	3	PONTEIRA FLOR DE LIZ	POLIDA	19	15 Kg



## PONTEIRA DE FERRO DUAS PONTAS

CÓDIGO	REF:	A	B	C	DESCRIÇÃO	ACAB.	PÇ / KILO	EMBAL.
100112	112	106	42	2,65	PONTEIRA DE FERRO DUAS PONTAS	POLIDA	22	15 Kg
200112	112 Z	106	42	2,65	PONTEIRA DE FERRO DUAS PONTAS	ZINCADA	22	15 Kg



## MOLA 40mm

FURO DA CAIXA 1 1/4"  
DIÂMETRO DA CAIXA 180MM

CÓDIGO	REF:	EMBAL.
515151	3,0 X 40	5
515152	3,5 x 40	5
515153	4,0 x 40	5
515154	4,5 x 40	5
515155	5,0 x 40	5
515156	5,5 x 40	5
515157	6,0 x 40	5
515158	6,5 x 40	5
515159	7,0 x 40	5

## MOLA 45mm

FURO DA CAIXA 1 1/4"  
DIÂMETRO DA CAIXA 180MM

CÓDIGO	REF:	EMBAL.
515161	3,0 X 45	5
515162	3,5 x 45	5
515163	4,0 x 45	5
515164	4,5 x 45	5
515165	5,0 x 45	5
515166	5,5 x 45	5
515167	6,0 x 45	5
515168	6,5 x 45	5
515169	7,0 x 45	5

## MOLA 50mm

FURO DA CAIXA 1 1/4"  
DIÂMETRO DA CAIXA 180MM

CÓDIGO	REF:	EMBAL.
515171	3,0 X 50	5
515172	3,5 x 50	5
515173	4,0 x 50	5
515174	4,5 x 50	5
515175	5,0 x 50	5
515176	5,5 x 50	5
515177	6,0 x 50	5
515178	6,5 x 50	5
515179	7,0 x 50	5

# CAIXA PARA PORTA DE AÇO MODELO RN

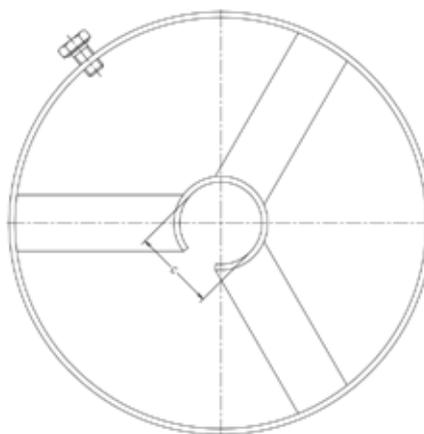


CAIXA COM MOLA MODELO RN DIÂMETRO 200 mm				
MOLA 40				
FURO				
	1"	1 1/4"	1 1/2"	EMBAL.
3,0 X 40	540002	540003	540004	6
3,5 X 40	541002	541003	541004	6
4,0 X 40	542002	542003	542004	6
4,5 X 40	543002	543003	543004	6
5,0 X 40	544002	544003	544004	6
5,5 X 40	545002	545003	545004	6
6,0 X 40	546002	546003	546004	6
6,5 X 40	547002	547003	547004	6
7,0 X 40	548002	548003	548004	6

CAIXA COM MOLA MODELO RN DIÂMETRO 200 mm				
MOLA 45				
FURO				
	1"	1 1/4"	1 1/2"	EMBAL.
3,0 X 45	550002	550003	550004	6
3,5 X 45	551002	551003	551004	6
4,0 X 45	552002	552003	552004	6
4,5 X 45	553002	553003	553004	6
5,0 X 45	554002	554003	554004	6
5,5 X 45	555002	555003	555004	6
6,0 X 45	556002	556003	556004	6
6,5 X 45	557002	557003	557004	6
7,0 X 45	558002	558003	558004	6

CAIXA COM MOLA MODELO RN DIÂMETRO 200 mm				
MOLA 50				
FURO				
	1"	1 1/4"	1 1/2"	EMBAL.
3,0 X 50	560002	560003	560004	6
3,5 X 50	561002	561003	561004	6
4,0 X 50	562002	562003	562004	6
4,5 X 50	563002	563003	563004	6
5,0 X 50	564002	564003	564004	6
5,5 X 50	565002	565003	565004	6
6,0 X 50	566002	566003	566004	6
6,5 X 50	567002	567003	567004	6
7,0 X 50	568002	568003	568004	6

# GUIA PORTA DE AÇO



## GUIA PORTA DE AÇO

CÓDIGO	A	B	C	EMBAL.
505050	180	24	1 1/4"	20

# PEDAL PORTA DE AÇO



## PEDAL PORTA DE AÇO

CÓDIGO	REF:	DESCRIÇÃO	ACAB.	EMBAL.
300116	116	PEDAL PORTA DE AÇO	ZINCADO	100

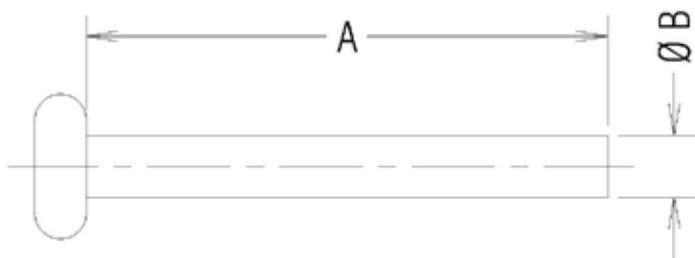
# MANCAL PORTA DE AÇO



## MANCAL PORTA DE AÇO

CÓDIGO	REF:	DESCRIÇÃO	ACAB.	EMBAL.
300117	117	MANCAL PARA PORTA DE AÇO	ZINCADO	50

# REBITE DE FERRO

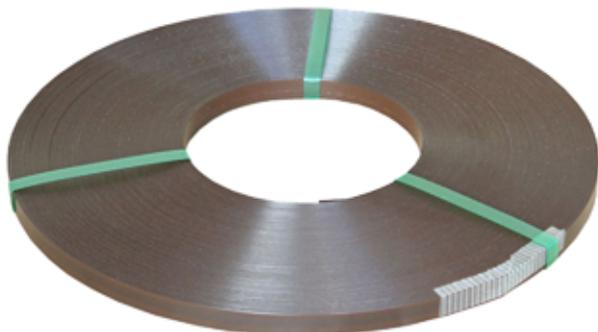


## REBITE DE FERRO

Linha 1/8"					
CÓDIGO POLIDO	CÓDIGO ZINCADO	REF:	A	B	EMBAL.
110730	330730	1/8" x 3/16"	3/16"	1/8"	2 Kilos
110731	330731	1/8" x 1/4"	1/4"	1/8"	2 Kilos
110732	330732	1/8" x 3/8"	3/8"	1/8"	2 Kilos
110733	330733	1/8" x 1/2"	1/2"	1/8"	2 Kilos
110734	330734	1/8" x 5/8"	5/8"	1/8"	2 Kilos

Linha 3/16"					
CÓDIGO POLIDO	CÓDIGO ZINCADO	REF:	A	B	EMBAL.
110741	330741	3/16" x 1/4"	1/4"	3/16"	2 Kilos
110742	330742	3/16" x 3/8"	3/8"	3/16"	2 Kilos
110743	330743	3/16" x 1/2"	1/2"	3/16"	2 Kilos
110744	330744	3/16" x 5/8"	5/8"	3/16"	2 Kilos
110745	330745	3/16" x 3/4"	3/4"	3/16"	2 Kilos
110746	330746	3/16" x 7/8"	7/8"	3/16"	2 Kilos
110747	330747	3/16" x 1"	1"	3/16"	2 Kilos

# FITA LATERAL PARA PORTA DE AÇO



## FITA LATERAL PARA PORTA DE AÇO

CÓDIGO	REF:	DESCRIÇÃO	EMBAL.
333333	FL	Fita Lateral /Porta de Aço / 0,50x25	30 Kg
* PESO MÉDIO POR METRO 0,100 Gr			

Avenida Nossa Senhora do Amparo, 2725  
Prado . Nova Friburgo . RJ . CEP 28635-010  
Tel.: 22 2527 1947 . Fax: 22 2527 2535  
vendas@tolema.com.br

[www.tolema.com.br](http://www.tolema.com.br)



**REPRESENTANTE**