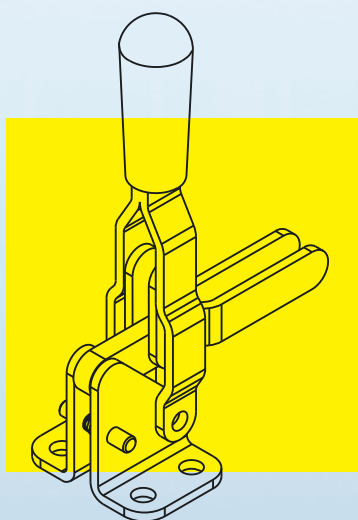




Kifix
GRAMPOS DE FIXAÇÃO

www.kifix.com.br

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- 15 - KF-052 / KF-057 / KF-053 / KF-056 / KF-061

Grampo Torpedo Frontal

- 16 - KF-005 / KF-006 / KF-007 / KF-015 / KF-025 / KF-025 L / KF-035

Acessórios: Bases L para Torpedos Frontais

- 17 - KF-005 BASE L / KF-006/007/015 BASE L / KF-025/035 BASE L

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- 18 - KFKT 012 / KFKT 012 F

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Grampo Sargento

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Grampo Pneumático

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Dobradiça

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Alicates

- 23 - KFA-300
- 24 - KFA-25 / KFA-35 / KFA-45 / KFA-70 / KFA-90 / KFA-100 / KFA-150

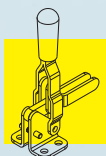
Fuso Rápido

- 25 - KFR-20 / KFRF-20

25 - Manípulos

- KFM-6 / KFM-8 / KFM-10 / KFM-12

26 e 27 - Ponteiros

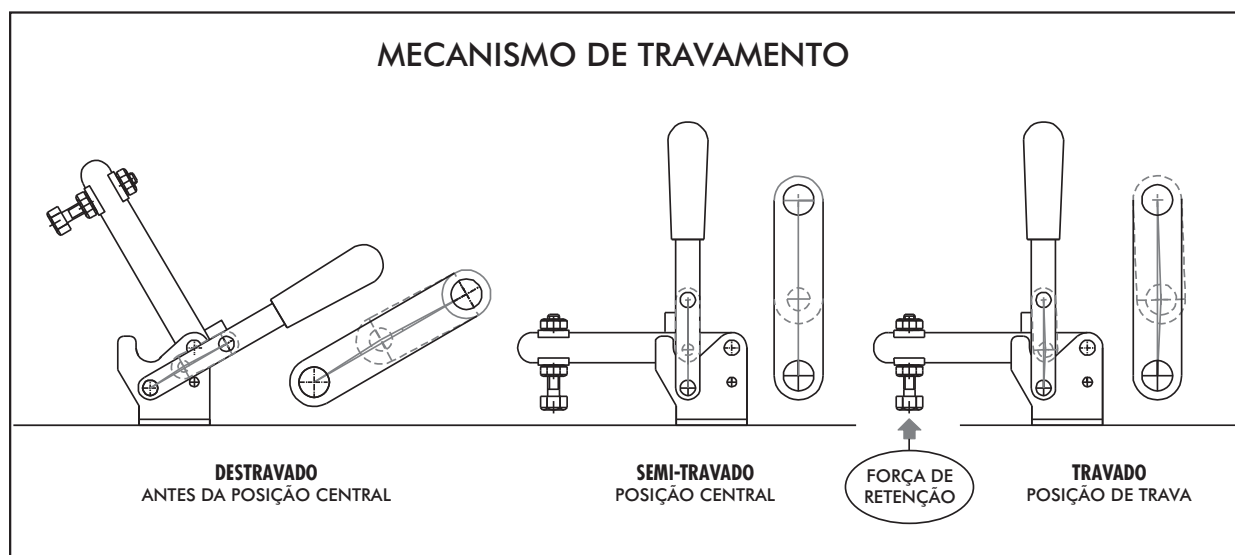


Kifix
GRAMPOS DE FIXAÇÃO

O sistema de fixação rápida recebeu denominações variadas através do tempo, por exemplo: presilha, prensa manual, fixador, grampo (CLAMP –USA). Sua origem deu-se nos Estados Unidos da América em 1936. Hoje são mais de 100 fabricantes em todo mundo.

Esse mecanismo consiste em uma articulação de três pontos conhecida como “**ação de joelho ou cotovelo**”, a qual proporciona um travamento mecânico (veja a figura abaixo) que gera uma força de retenção contrária ao esforço aplicado e que só se destrava se acionado propositalmente.

Para evitar o destravamento aleatório, disponibilizamos também grampos de fixação rápida com trava de segurança.





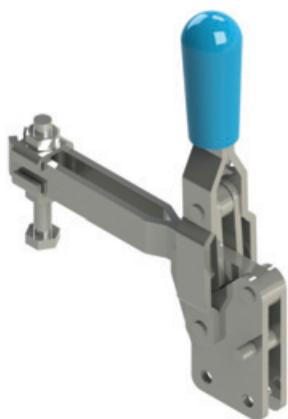
KF-011 DS



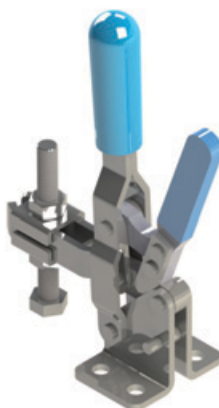
KF-017 RB



KF-018 RS



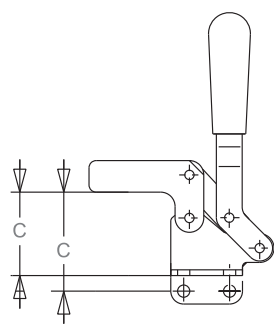
KF-111 RBL



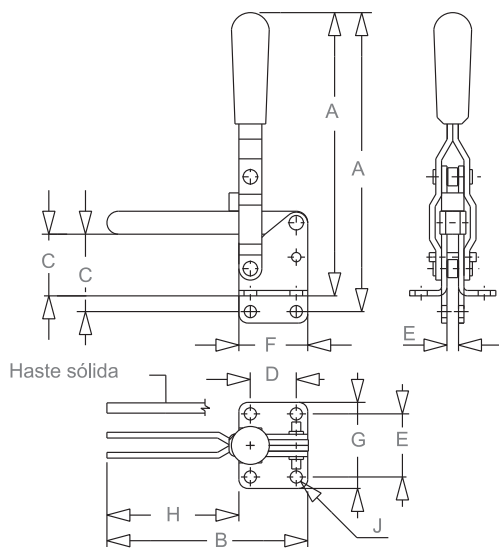
KF-017 DB TR



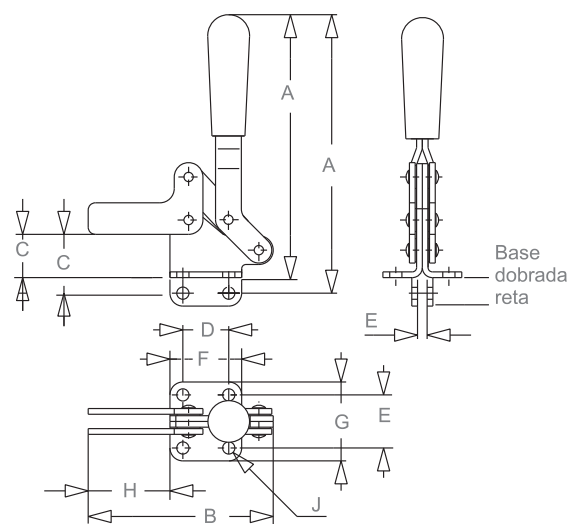
KF-631 DI



KF-631DI/RI



KF-010/011/012/017/018/111



KF-631D/R

BASES:	HASTES:
D - Dobrada	B - Bifurcada
R - Reta	S - Sólida
	L - Longa

REFERÊNCIA	FORÇA RETENÇÃO Kgf	A	B	C	D	E	F	G	H	J	ÂNGULO DE ABERTURA	PESO Kg
KF-010 DB	32	72	51,3	16	16	23,9	25,4	33,3	25,9	4,3	100	0,080
KF-010 RB	32	79	51,3	23	16	4	25,4		25,9	4,3	100	0,080
KF-011 DB	280	190	140	41	32	44	48	60	92	8,5	100	0,750
KF-011 DBL	250	190	166	41	32	44	48	60	118	8,5	100	0,780
KF-011 DS	300	190	166	41	32	44	48	60	118	8,5	100	0,760
KF-011 RB	280	202	140	53	32	8	48		92	8,5	100	0,750
KF-011 RBL	250	202	166	53	32	8	48		118	8,5	100	0,780
KF-011 RS	300	202	166	53	32	8	48		118	8,5	100	0,760
KF-012 DB	90	99	70	23	12,7	27	25	39,6	45	5,6	100	0,175
KF-012 RB	90	104	70	29	12,7	6	25		45	5,6	100	0,175
KF-016 DB	280	157	90	31,5	19,5	32,5	35	50	55	7,5	100	0,380
KF-016 DBL	260	157	120	31,5	19,5	32,5	35	50	85	7,5	100	0,400
KF-016 DS	310	157	120	31,5	19,5	32,5	35	50	85	7,5	100	0,400
KF-016 RB	280	165	90	39	19,5	6,7	35		55	7,5	100	0,380
KF-016 RBL	260	165	120	39	19,5	6,7	35		85	7,5	100	0,400
KF-016 RS	310	165	120	39	19,5	6,7	35		85	7,5	100	0,400
KF-017 DB *	170	154	90	32	19	32	35	49	55	7,0	100	0,350
KF-017 DBL *	150	154	120	32	19	32	35	49	85	7,0	100	0,360
KF-017 DS *	200	154	120	32	19	32	35	49	85	7,0	100	0,360
KF-017 RB *	170	162	90	40	19	6,5	35		55	7,0	100	0,350
KF-017 RBL *	150	162	120	40	19	6,5	35		85	7,0	100	0,360
KF-017 RS *	200	162	120	40	19	6,5	35		85	7,0	100	0,360
KF-018 DB *	250	160	120	32	20	33,5	37	50,5	83	7,0	100	0,400
KF-018 DS *	250	160	120	32	20	33,5	37	50,5	83	7,0	100	0,400
KF-018 RB *	250	168	120	40	20	6,5	37		83	7,0	100	0,400
KF-018 RS *	250	168	120	40	20	6,5	37		83	7,0	100	0,400
KF-111 DB	680	226	155	50	32	45	55	67	100	8,5	100	1,350
KF-111 DBL	650	226	200	50	32	45	55	67	145	8,5	100	1,390
KF-111 DS	700	226	200	50	32	45	55	67	145	8,5	100	1,370
KF-111 RB	680	236	155	60	32	9,5	55		100	8,5	100	1,350
KF-111 RBL	650	236	200	60	32	9,5	55		145	8,5	100	1,390
KF-111 RS	700	236	200	60	32	9,5	55		145	8,5	100	1,370
KF-631 D	400	175	129	30	32	37	50	55	57	8,5	85	0,860
KF-631 DI	400	175	129	58	32	37	50	55	57	8,5	85	0,860
KF-631 R	400	187	129	42	32	6,5	50		57	8,5	85	0,860
KF-631 RI	400	187	129	70	32	6,5	50		57	8,5	85	0,860

* PRODUTO DISPONÍVEL COM TRAVA

Ponteiras: Consulte página 26



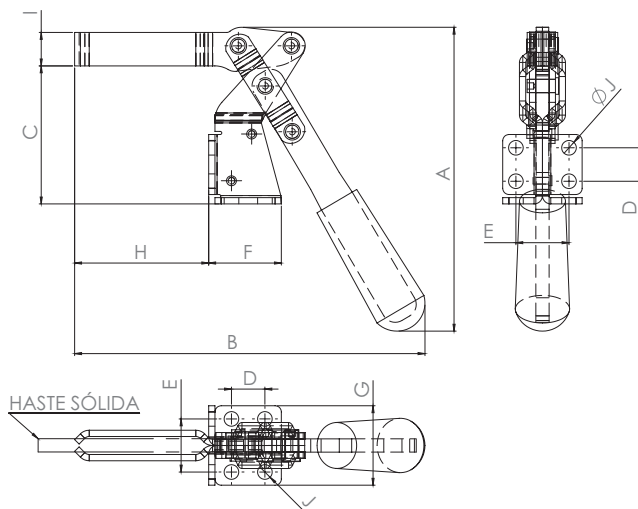
Grampo Vertical



KF-718 DB

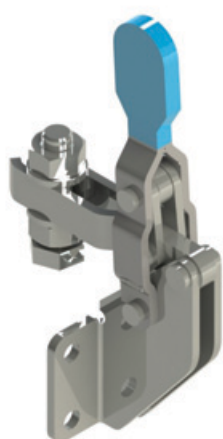


KF-718 DS

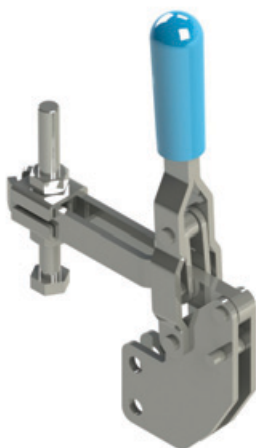


REFERÊNCIA	FORÇA RETENÇÃO Kgf	A	B	C	D	E	F	G	H	I	J	ÂNGULO DE ABERTURA	PESO Kg
KF-718 DB	170	145,4	167,6	66	16	25,4	35	38	64	16	7	185	0,470
KF-718 DS	170	142,8	185	66	16	25,4	35	38	82	16	7	185	0,490

Grampo Vertical



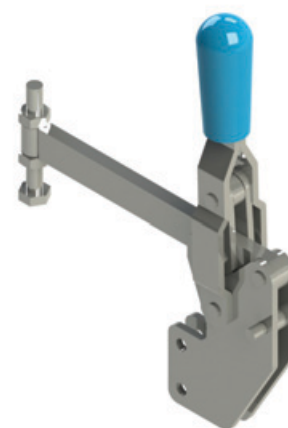
KF-010 F



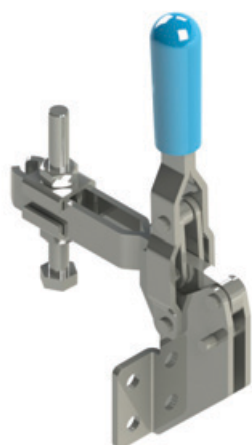
KF-211 RB



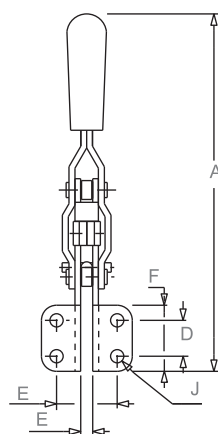
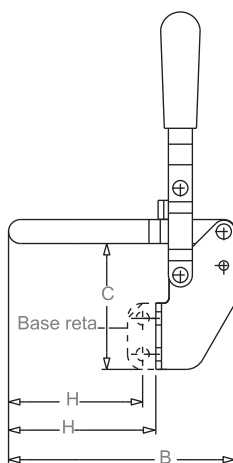
KF-311 DS



KF-411 RS

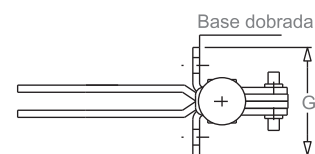


KF-019 DB



KF-010F/012F/019/211/311/411

Haste sólida



BASES:
 D - Dobrada
 R - Reta

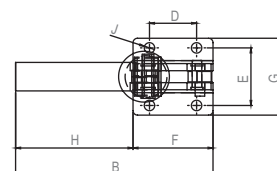
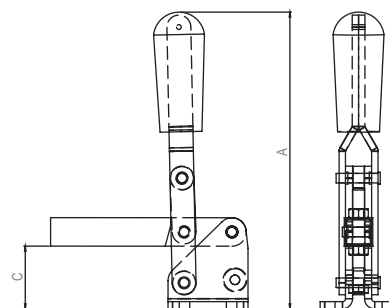
HASTES:
 B - Bifurcada
 S - Sólida
 L - Longa

REFERÊNCIA	FORÇA RETENÇÃO Kgf	A	B	C	D	E	F	G	H	J	ÂNGULO DE ABERTURA	PESO Kg
KF-010 F	32	97	51	42	16	23,7	25	33	24	4,3	100	0,100
KF-012 F	90	122	70	47	12,7	27	25	40	41	5,5	100	0,190
KF-019 DB	250	196	120	70	21	31	38	50,5	76	7,0	100	0,450
KF-019 DS	250	196	120	70	21	31	38	50,5	76	7,0	100	0,450
KF-019 RB	250	196	120	70	21	6,5	38		57	7,0	100	0,450
KF-019 RS	250	196	120	70	21	6,5	38		57	7,0	100	0,450
KF-211 DB	150	190	120	65	19	32	35	46,5	79	7,0	100	0,400
KF-211 DS	200	190	120	65	19	32	35	46,5	79	7,0	100	0,400
KF-211 RB	150	190	120	65	19	6,5	35		69	7,0	100	0,400
KF-211 RS	200	190	120	65	19	6,5	35		69	7,0	100	0,400
KF-311 DB	250	236	166	90	32	44	49	60	106	8,5	100	0,900
KF-311 DS	300	236	166	90	32	44	49	60	106	8,5	100	0,870
KF-311 RB	250	236	166	90	32	8	49		97	8,5	100	0,900
KF-311 RS	300	236	166	90	32	8	49		97	8,5	100	0,870
KF-411 DB	650	288	200	113	32	45	55	67	134	8,5	100	1,650
KF-411 DS	700	288	200	113	32	45	55	67	134	8,5	100	1,600
KF-411 RB	650	288	200	113	32	10	55		126	8,5	100	1,650
KF-411 RS	700	288	200	113	32	10	55		126	8,5	100	1,600

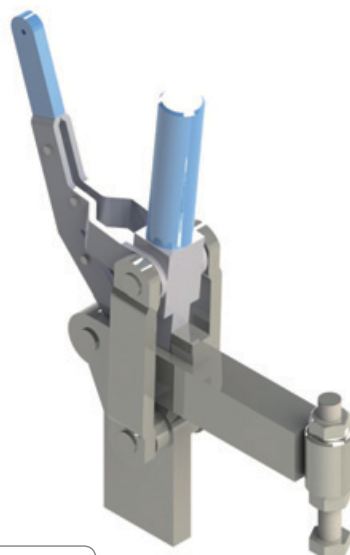
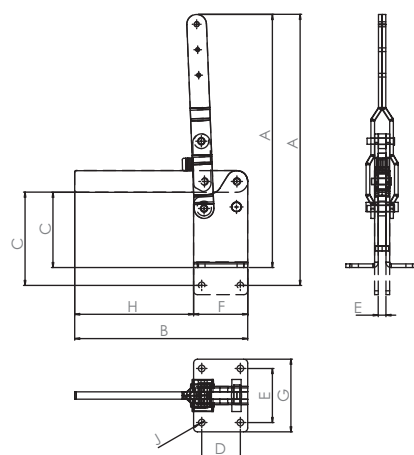
Grampo Vertical



KF-615 D



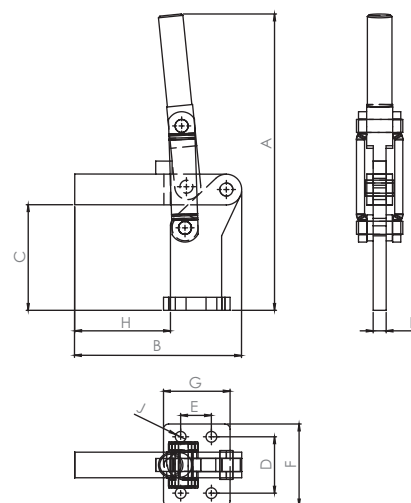
KF-641 DS



KF-066 STR



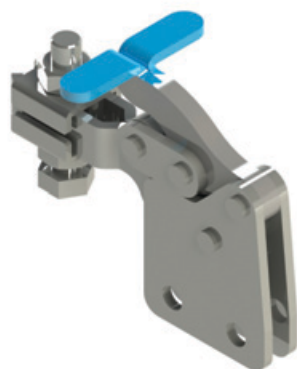
KF-066 TS



BASES:
D - Dobrada
R - Reta

HASTES:
S - Sólida
L - Longa

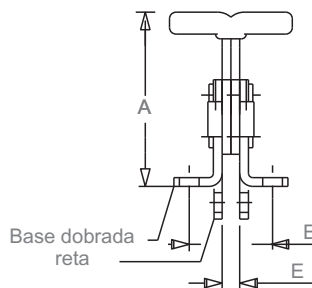
REFERÊNCIA	FORÇA RETENÇÃO Kgf	A	B	C	D	E	F	G	H	J	ÂNGULO DE ABERTURA	PESO Kg
KF-066 S	1400	277	163	90		12,7	50		93		150	2,650
KF-066 STR	1400	277	163	90		12,7	50		93		150	2,960
KF-066 TS	1400	289	163	103	30	55	65	80	93	10,5	150	3,150
KF-066 TSTR	1400	289	163	103	30	55	65	80	93	10,5	150	3,450
KF-615 B	340	187	108	42	25,4	38,1	50,8	50,8	57,2	7,0	125	0,850
KF-615 D	340	198	132	42	31,5	38,5	54	51	79	7,0	125	0,970
KF-616 D	950	211	155	50	32	45	54	67	102	7,0	125	1,240
KF-616 R	950	219	155	58	32	9,5	54		102	7,0	125	1,240
KF-641 DS	800	331	224	98	50	70	70	94	154	8,5	85	2,100
KF-641 RS	800	354	224	121	50	10	70		154	8,5	85	2,100



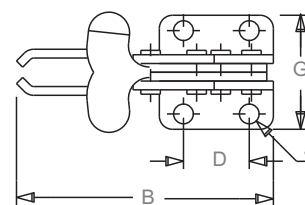
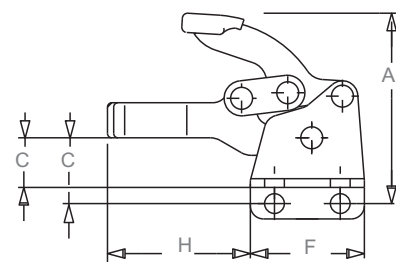
KF-103 R



KF-102 D



KF-102D/R



BASES:
D - Dobrada
R - Reta

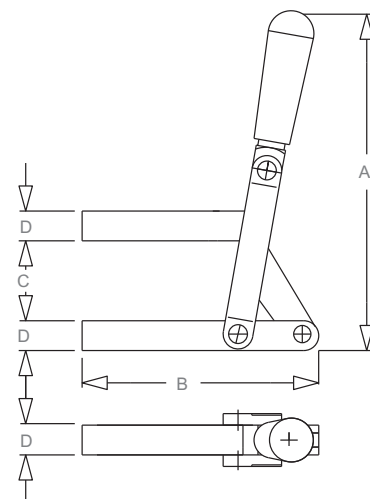
REFERÊNCIA	FORÇA RETENÇÃO Kgf	A	B	C	D	E	F	G	H	J	ÂNGULO DE ABERTURA	PESO Kg
KF-102 D	50	38	60	11	15	19	24	26	36	4,5	75	0,075
KF-102 R	50	42	60	14	15	4	24		36	4,5	75	0,075
KF-103 D	75	57	94	21	23	29	44	46	50	7,0	85	0,260
KF-103 R	75	64	94	28	23	6	44		50	7,0	85	0,260



KF-03 MP



KF-06 MP

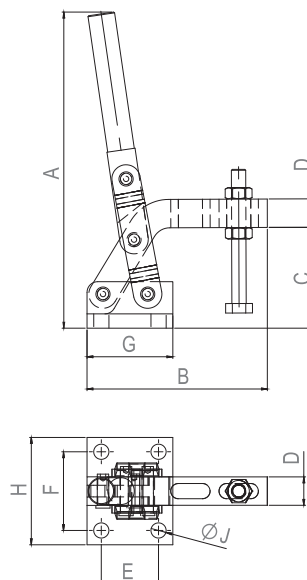


REFERÊNCIA	FORÇA RETENÇÃO Kgf	A	B	C	D	ÂNGULO DE ABERTURA	PESO Kg
KF-01 MP	160	110	70	15	12,7	70	0,300
KF-02 MP	300	147	92	20	14	70	0,520
KF-03 MP	450	167	101	30	16	70	0,720
KF-05 MP	500	206	150	50	19	70	1,450
KF-06 MP	500	223	161	61	19	70	1,530

Ponteiras: Consulte página 26

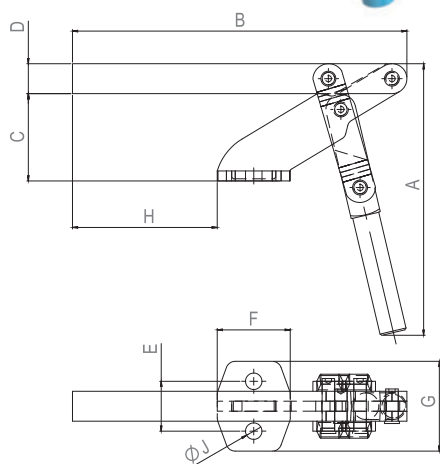
Grampo Vertical

KF-JD

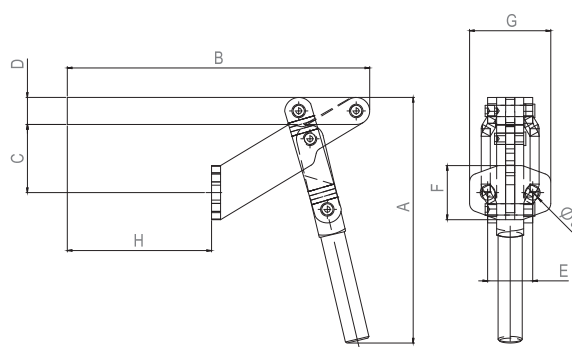


REFERÊNCIA	FORÇA RETENÇÃO Kgf	A	B	C	D	E	F	G	H	J	ÂNGULO DE ABERTURA	PESO Kg
KF-03 JD	450	177	101	56	16	32	44	48	60	8,5	70	0,740
KF-05 JD	500	217	148	80	19	30	55	63,5	80	10,5	70	1,420

KF-725 / 825 D



KF-725 / 825 F



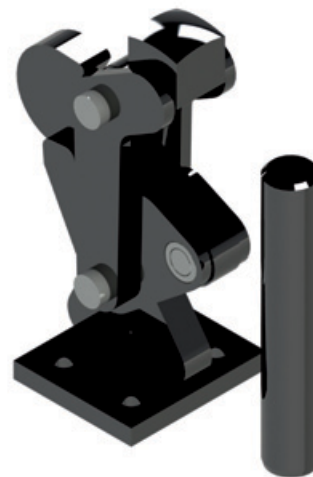
REFERÊNCIA	FORÇA RETENÇÃO Kgf	A	B	C	D	E	F	G	H	J	ÂNGULO DE ABERTURA	PESO Kg
KF-725 D	450	173	213	55,6	19	32	38,1	57,2	92,2	10,5	195	1,450
KF-725 F	450	173	213	48	19	32	38,1	57,2	101,6	10,5	195	1,450
KF-825 D	450	206	175	53	19	32	38,1	57,2	92,2	10,5	195	1,260
KF-825 F	450	200	175	46,7	19	32	38,1	57,2	101,6	10,5	195	1,260



KFU-A



KFU-R

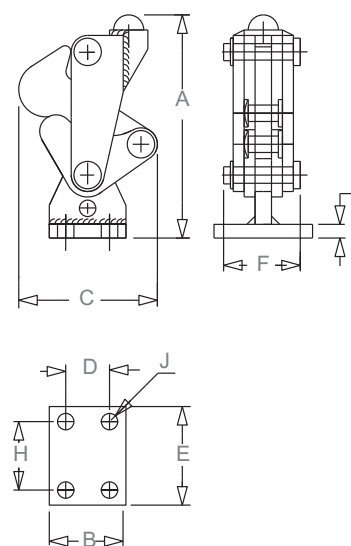
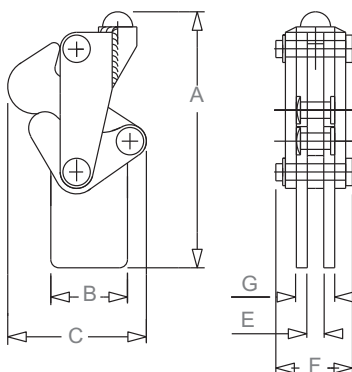
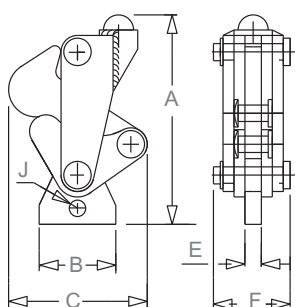


KFU-D

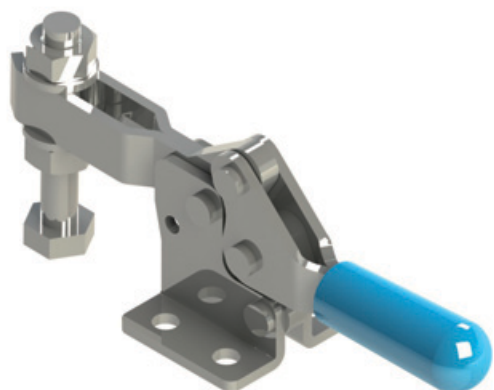
KFU-...base reta

KFU-...base dupla

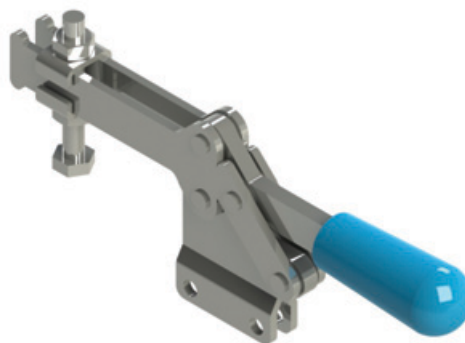
KFU-...base T



REFERÊNCIA	FORÇA RETENÇÃO Kgf	A	B	C	D	E	F	G	H	I	J	ÂNGULO DE ABERTURA	PESO Kg
KFU-03 A	680	108	42	72		9,5	42				8,5	200	0,670
KFU-03 D	680	114	40	72	24,5	51	42		34,5	6,35	7,0	200	0,760
KFU-03 R	680	132	40	68		9,5	42	18				200	0,730
KFU-05 A	1000	145	60	98		12,7	47				10,5	200	1,170
KFU-05 D	1000	153	55	98	31,5	64	47		45	8	8,5	200	1,380
KFU-05 R	1000	170	50	92		12,7	47	22				200	1,240
KFU-06 A	2200	179	70	118		15,9	66				12,5	200	2,720
KFU-06 D	2200	189	70	118	40	80	66		50	9,5	10,5	200	3,110
KFU-06 R	2200	214	65	114		15,9	66	29				200	2,900
KFU-08 A	2200	244	84	177		19	72,5				13,0	200	6,440
KFU-08 D	2200	256,7	100	177	70	150	72,5		120	12,7	10,5	200	7,830
KFU-08 R	2200	270	80,6	177		19	72,5	35				200	6,270

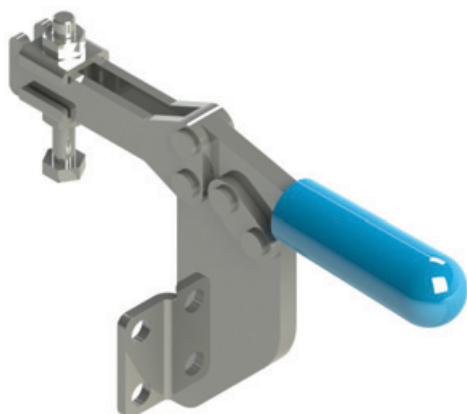
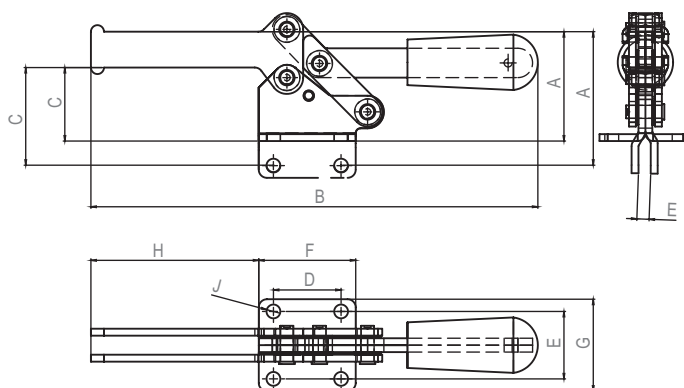


KF-106 D

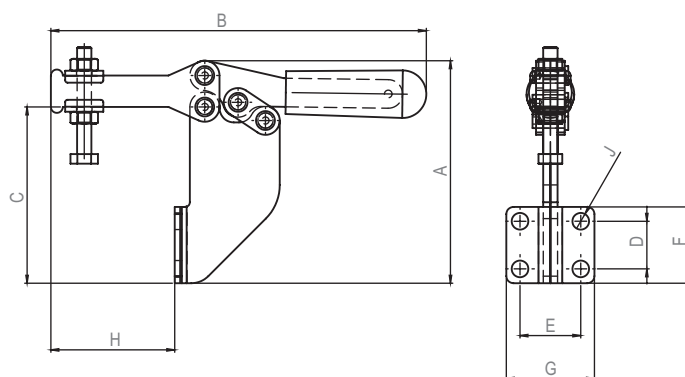


KF-732 R

KF-105 / 106 / 152 / 732 D
 KF-105 / 106 / 152 / 732 R



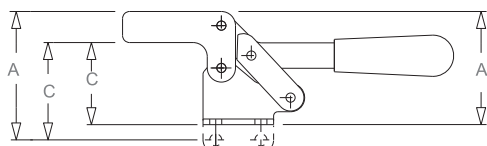
KF-152 F



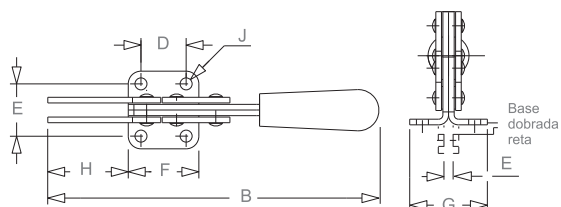
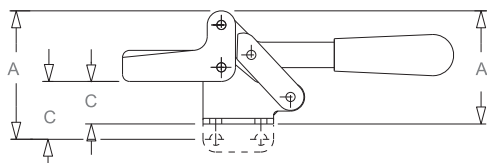
REFERÊNCIA	FORÇA RETENÇÃO Kgf	A	B	C	D	E	F	G	H	J	ÂNGULO DE ABERTURA	PESO Kg
KF-105 D	30	18	64	8	13,5	16	24	24	18,6	4,3	90	0,030
KF-105 R	30	22	64	12	13,5		24		18,6	4,3	90	0,030
KF-106 D	70	35	102	20	13,5	18,3	25,5	28	35	4,5	90	0,090
KF-106 R	70	40	102	24	13,5	4	25,5		35	4,5	90	0,090
KF-152 D	130	44	158	25	20	25,5	38	37	58	7,0	90	0,250
KF-152 R	130	52	158	32	20	6	38		58	7,0	90	0,250
KF-152 F	130	93	158	74	20	25,5	32	37	52	7,0	90	0,310
KF-732 D	340	67	274	45	42	42	60	57	103	8,5	80	0,970
KF-732 R	340	82	274	60	42	8,5	60		103	8,5	80	0,970

Grampo Horizontal

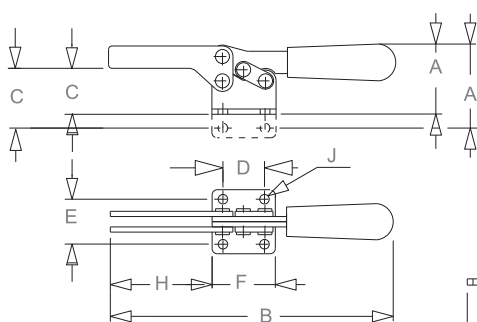
KF-531 DI/RI
KF-541 DI/RI



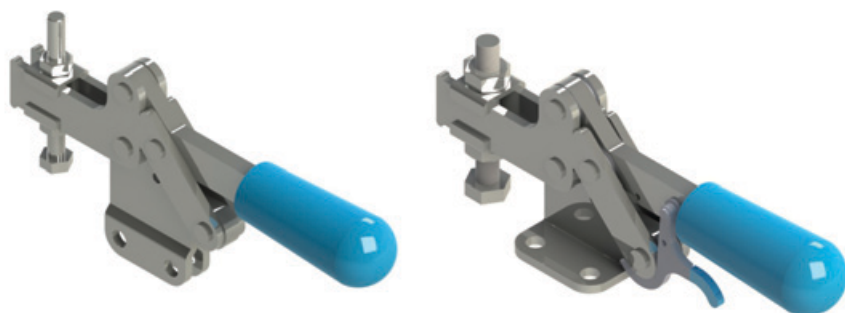
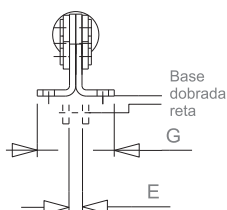
KF-531 D/R
KF-541 D/R



KF-511 D/R
KF-521 D/R



BASES:
D - Dobrada
R - Reta
L - Longa



KF-531 R

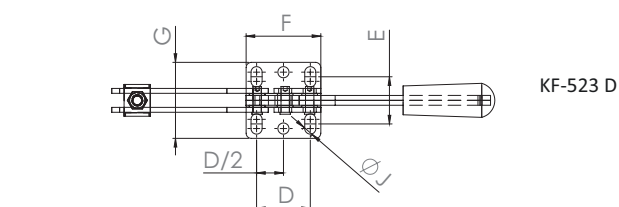
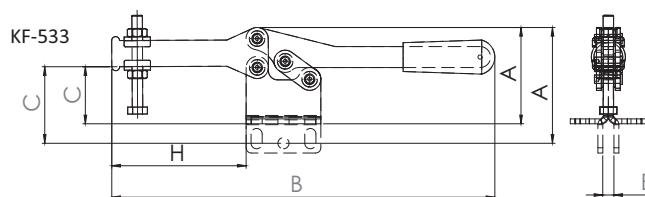
KF-531 DTR



KF-533 D



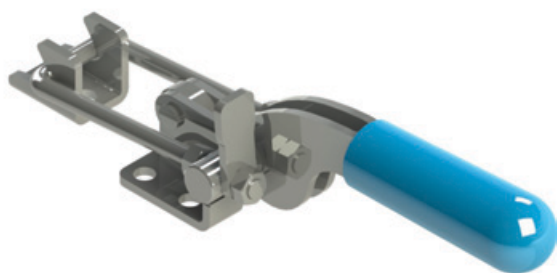
KF-541 DI



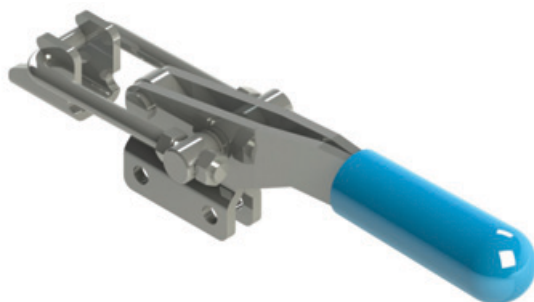
KF-523 D

REFERÊNCIA	FORÇA RETENÇÃO Kgf	A	B	C	D	E	F	G	H	J	ÂNGULO DE ABERTURA	PESO Kg
KF-511 D	90	39	164	26	24	26	36	37	59	5,5	70	0,240
KF-511 R	90	47	164	34	24	6,5	36		59	5,5	70	0,240
KF-512 D	90	39	139	26	25,4	22,4	37	35	57	5,3	90	0,150
KF-512 R	90	45	139	32	25,4	4,5	37		57	5,3	90	0,150
KF-521 D	130	49	172	36	25,4	24	45	42	68	7,0	70	0,390
KF-521 DL	100	49	207	36	25,4	24	45	42	103	7,0	70	0,420
KF-521 R	130	55	172	42	25,4	6,5	45		68	7,0	70	0,390
KF-522 D	230	48	170	35	25,4	22,4	38	35	69	6,7	90	0,270
KF-522 R	230	52	170	39	25,4	6	38		69	6,7	90	0,270
KF-523 D	180	54	206	33	25,7	26,9	50	44,5	66	6,5	90	0,390
KF-523 R	180	72	206	41	25,7	0	50		66	6,5	90	0,390
KF-531 D *	400	78	224	28	32	37	50	55	57	8,5	80	0,850
KF-531 DI *	400	78	224	56	32	37	50	55	57	8,5	80	0,850
KF-531 R *	400	91	224	41	32	6,5	50		57	8,5	80	0,850
KF-531 RI *	400	91	224	69	32	6,5	50		57	8,5	80	0,850
KF-532 D	340	65	277	45	41	42	57	58	105	8,5	90	0,790
KF-532 R	340	76	277	56	41	8,5	57		105	8,5	90	0,790
KF-533 D	340	73,5	292,3	43,5	41	36	57	58	102,5	8,5	90	0,720
KF-533 R	340	88,3	292,3	58,3	41	8,5	57		102,5	8,5	90	0,720
KF-541 D	400	78	247	28	32	37	50	55	57	8,5	80	0,880
KF-541 DI	400	78	247	56	32	37	50	55	57	8,5	80	0,880
KF-541 R	400	91	247	41	32	6,5	50		57	8,5	80	0,880
KF-541 RI	400	91	247	69	32	6,5	50		57	8,5	80	0,880

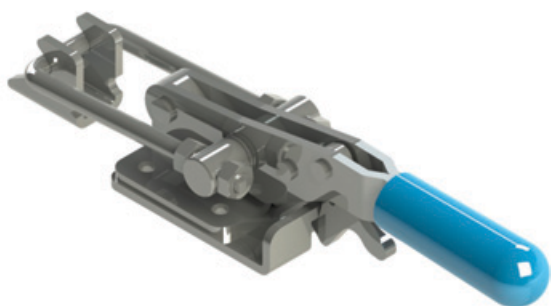
* PRODUTO DISPONÍVEL COM TRAVA



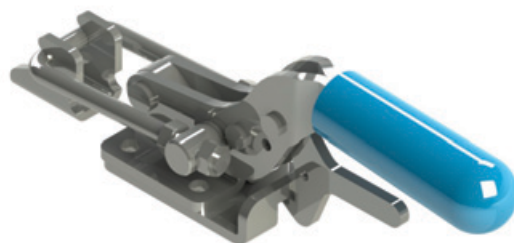
KF-133 D



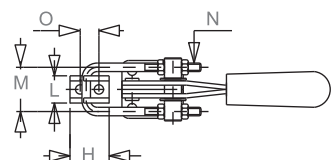
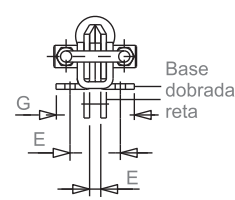
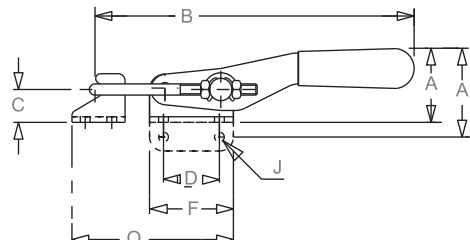
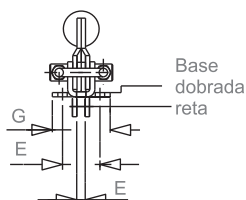
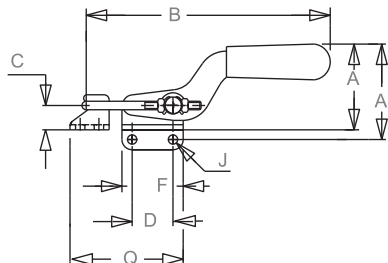
KF-743 R



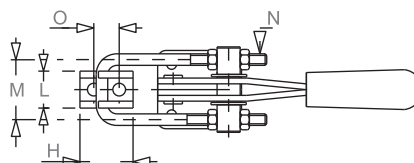
KF-843 DTR



KF-643 DTR



KF-133D
KF-643D/R
KF-233D/R

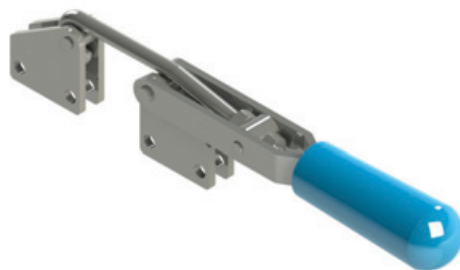


KF-743D/R
KF-843D/R
KF-943D/R

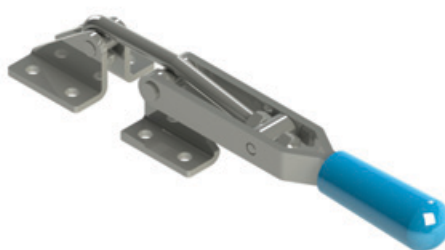
BASES:
D - Dobrada
R - Reta

REFERÊNCIA	FORÇA RETENÇÃO Kgf	CURSO	A	B min	B max	C	D	E	F	G	H	J	L	M	N	O	Q min	Q max	PESO Kg
KF-133 D	300	27	55	169	196	13	19	32	40	44	28	7,0	22,5	31	6	14	68	95	0,380
KF-133 DTR	300	27	55	169	196	13	19	32	40	44	28	7,0	22,5	31	6	14	68	95	0,460
KF-233 D	160	14	33	101	115	13	16	19	26	28	20	4,3	13	19	4	10	46	60	0,110
KF-643 D	200	16	55	139	155	14	24	22	36	33	23	5,5	16	25	5	11	59	75	0,215
KF-643 R	200	16	60	139	155	14	24	6	36		23	5,5	16	25	5	11	59	75	0,215
KF-643 DTR	200	16	55	139	155	14	24	22	36	33	23	5,5	16	25	5	11	59	75	0,270
KF-743 D	200	16	34	149	165	14	24	22	36	33	23	5,5	16	25	5	11	59	75	0,210
KF-743 R	200	16	39	149	165	14	24	6	36		23	5,5	16	25	5	11	59	75	0,210
KF-843 D	340	25	41	151	176	17	30	26	46	42	28	5,5	19	32	6	14	74	99	0,320
KF-843 R	340	25	49	151	176	17	30	6	46		28	5,5	19	32	6	14	74	99	0,320
KF-843 DTR	340	25	41	151	176	17	30	26	46	42	28	5,5	19	32	6	14	74	99	0,420
KF-943 D	680	45	57	203	248	21	40	36	60	56	38	7,0	26	40	8	19	98	143	0,730
KF-943 R	680	45	69	203	248	21	40	8	60		38	7,0	26	40	8	19	98	143	0,730
KF-943 DTR	680	45	57	203	248	21	40	36	60	56	38	7,0	26	40	8	19	98	143	0,770

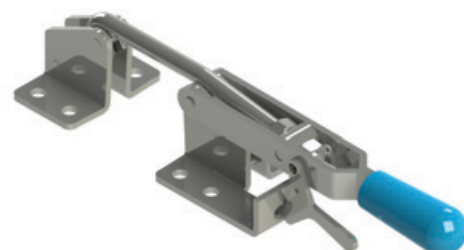
Grampo Tensor



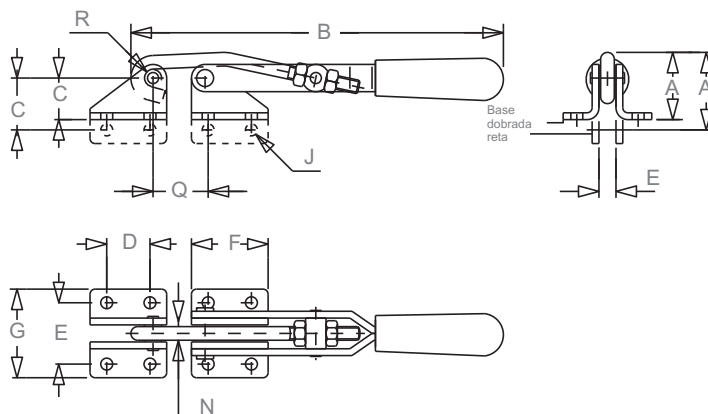
KF-353 R



KF-453 D



KF-553 DTR

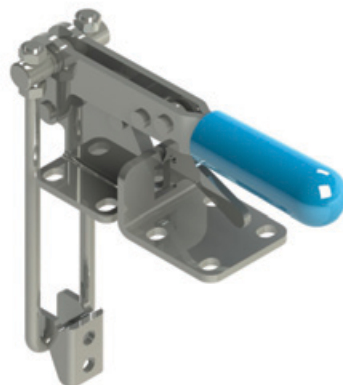


BASES:
D - Dobrada
R - Reta

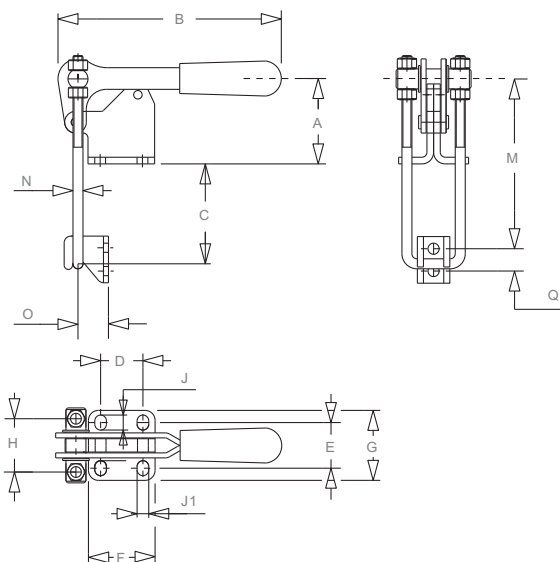
REFERÊNCIA	FORÇA RETENÇÃO Kg _f	A	B	C	D	E	F	G	J	N	Q	R	PESO Kg
KF-033 D	90	24	150	12	16	25,4	25,4	34	5,5	5,0	46	8,0	0,160
KF-033 DL	90	30	228	12	16	25,4	25,4	34	5,5	5,0	124	8,0	0,170
KF-353 D	120	31	197	18	25,4	25	35	38	5,5	6,0	40	8,0	0,280
KF-353 R	120	36	197	23	25,4	6,4	35		5,5	6,0	40	8,0	0,280
KF-453 D	340	39	232	25	25,4	36	45	51	7	8,0	44	10,0	0,530
KF-453 R	340	46	232	32	25,4	10	45		7	8,0	44	10,0	0,530
KF-553 D	900	72	371	51	28,5	60,5	54	85,5	10,6	12,7	90	10,0	1,470
KF-553 R	900	88	371	67	28,5	13,5	54		10,6	12,7	90	10,0	1,470
KF-553 DTR	900	72	371	51	28,5	60,5	54	85,5	10,6	12,7	90	10,0	1,580



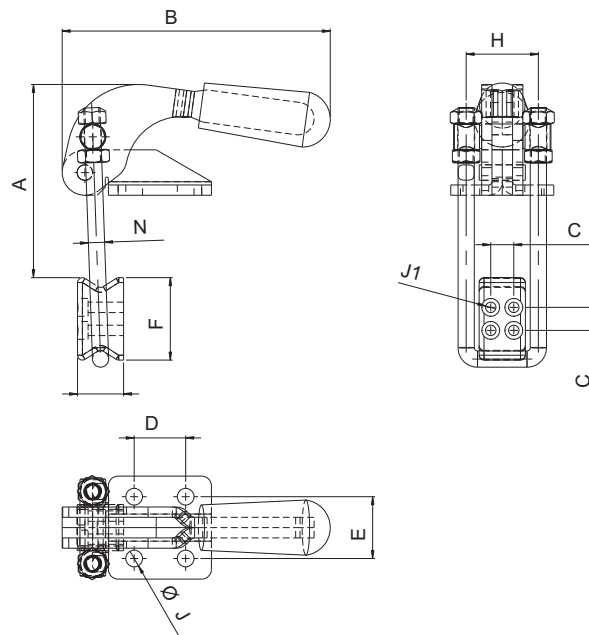
KF-263 D



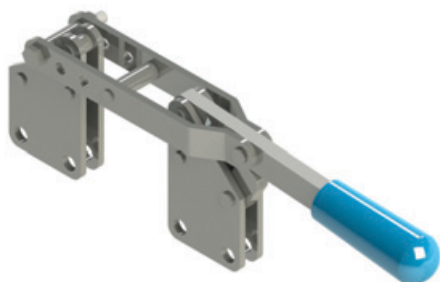
KF-063 DTR



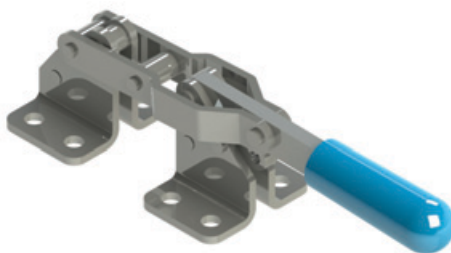
REFERÊNCIA	FORÇA RETENÇÃO Kg _f	CURSO	A	B	C max	D	E	F	G	H	J	J1	M min	M max	N	O	Q	PESO Kg
KF-063	200	60	41	127	72	24	26	35	37,5	25	8,0	6	45	105	5	13	11	0,250
KF-063 TR	200	60	41	136	72	24	26	35	37,5	25	8,0	6	45	105	5	13	11	0,320
KF-163	340	44	59	141	58	25,4	27,5	40	42	32	8,5	7	64	108	6	16	14	0,390
KF-263	680	59	52	180	78	32	33	50	55	38	8,5	12	68	127	7	22	19	0,870
KF-263 TR	680	59	52	180	78	32	33	50	55	38	8,5	12	68	127	7	22	19	0,920



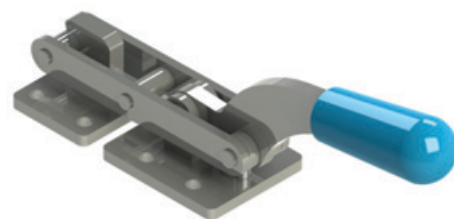
REFERÊNCIA	FORÇA RETENÇÃO Kgf	CURSO	A	B	C	D	E	F	G	H	J	J1	N	PESO Kg
KF-473 D	1800	50	120	165	14,2	31,75	38,1	50,8	28,4	44,5	10,3	6,4	M10	1,500



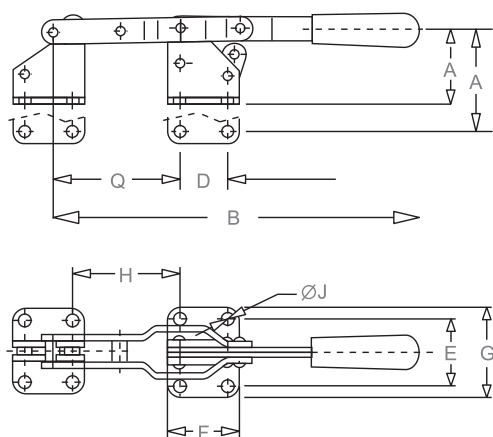
KF-326 R



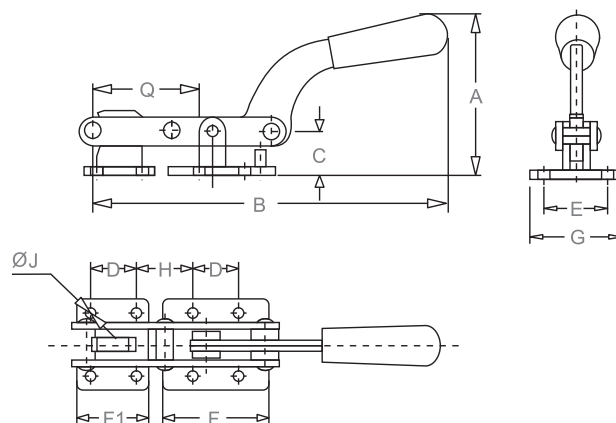
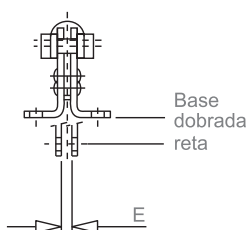
KF-310 D



KF-320



KF-310



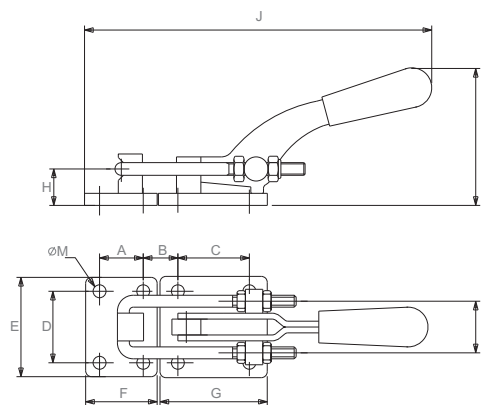
KF-320

REFERÊNCIA	FORÇA RETENÇÃO Kgf	A	B	C	D	E	F	F1	G	H	J	Q	PESO Kg
KF-310 D	170	36	170		19	33	35	35	49	46	7		0,340
KF-310 R	170	45	170		19	6	35	35		46	7		0,340
KF-326 D	340	40	248		32	44	48	48	60	74	8,5		0,760
KF-326 R	340	53	248		32	8	48	48		74	8,5		0,760
KF-320	800	100	258	27	32	44	76	50	64	42	8,5	75	1,180

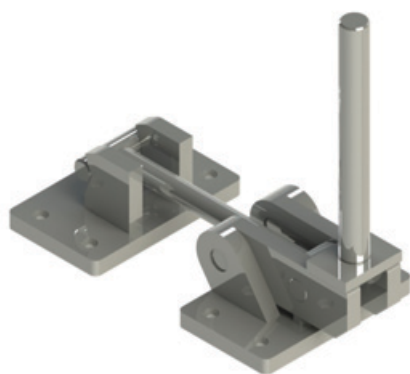
Grampo Tensor



KF-375 D



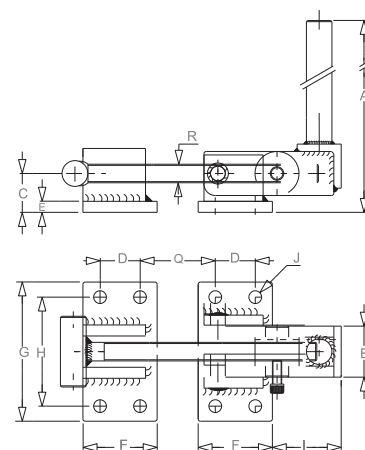
REFERÊNCIA	FORÇA RETENÇÃO Kg _f	CURSO	A	B max	C	D	E	F	G	H	I	J	L	M	PESO Kg
KF-375 D	1500	21	35	46	57	57	80	57	86	29	107	294	45	10,5	1,700
KF-375 D TR	1500	21	35	46	57	57	80	57	86	29	107	294	45	10,5	2,100



KF-330

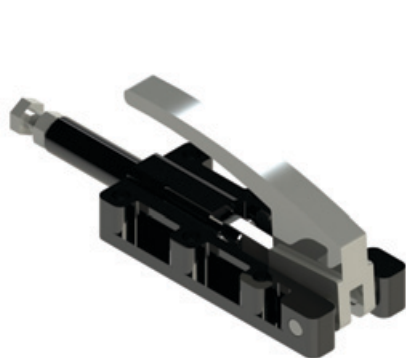


KF-350

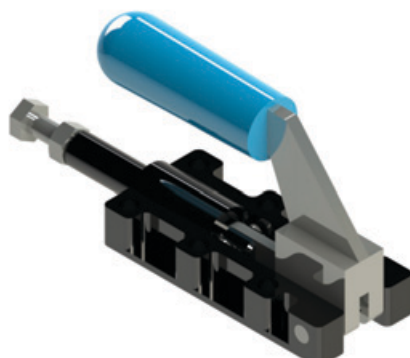


REFERÊNCIA	FORÇA RETENÇÃO Kg _f	CURSO	A	B	C	D	E	F	G	H	I	J	Q min	Q max	R	PESO Kg
KF-330	1500	58	199	40	31	35	9,5	63,5	105	85	24	8,5	28	86	12,7	2,350
KF-350	1800	54	229	44	44	35	9,5	60	120	94	56,5	11	26	80	16	3,600

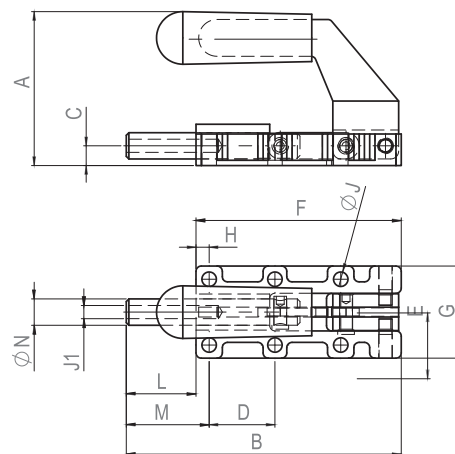
Grampo Torpedo



KF-605



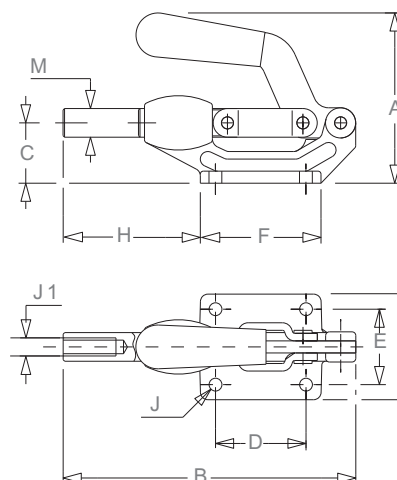
KF-305



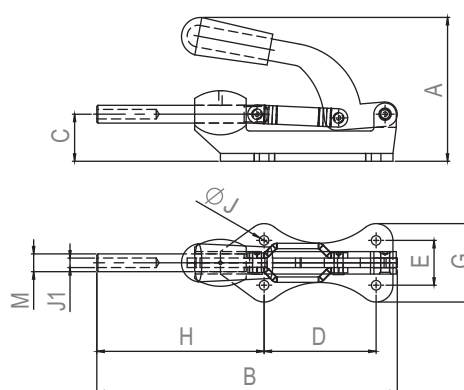
REFERÊNCIA	FORÇA RETENÇÃO Kg _f	CURSO	A	B	C	D	E	F	G	H	J	J1	L	M	N	PESO Kg
KF-305	250	25	59	105	7,5	25	25	78	35	5	5,5	M6X1,0	26,5	32	10	0,350
KF-405	500	35	73	148	10	35	35	111	51	8,5	6,5	M8X1,25	37	46	14	1,100
KF-505	750	50	78	190	14	45	45	141	66	10	8,5	M12X1,75	49	59	19	1,820
KF-605	1200	60	84	238	16	55	55	171	76	10	10,5	M12X1,75	67	77	22	2,870



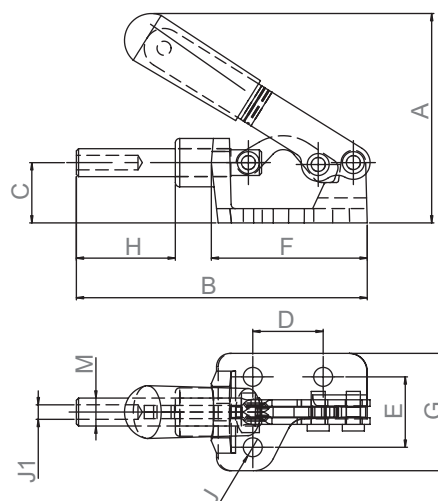
KF-052



KF-053



KF-061

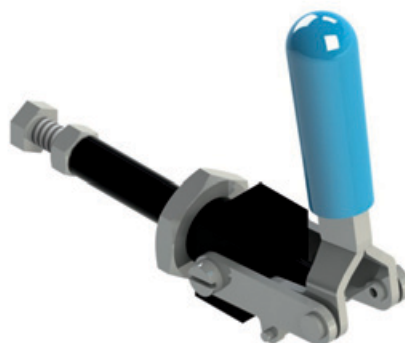


REFERÊNCIA	FORÇA RETENÇÃO Kgf	CURSO	A	B	C	D	E	F	G	H	J	J1	M	PESO Kg
KF-052	700	50	105	205	40	60	50	80	70	99	8,5	M12X1,75	19	1,660
KF-057	230	36	82	144	25	35	40	50	55	71	7,0	M8X1,25	12	0,400
KF-053	500	83	128	268	42	100	40		70	149	8,5	M10X1,5	16	2,100
KF-056	1800	78	140	287	57	100	60		86	162	10,5	M16X2,0	25	3,900
KF-061	50	16	50	66,1	13,7	16	16	35,4	26,7	22,5	4,3	M4X0,7	6,35	0,070

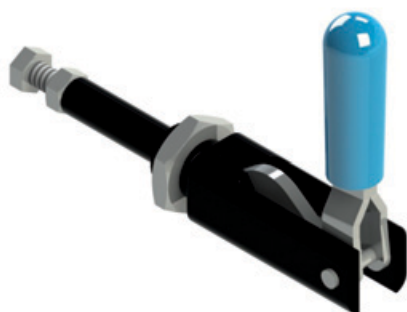
Grampo Torpedo Frontal



KF-005



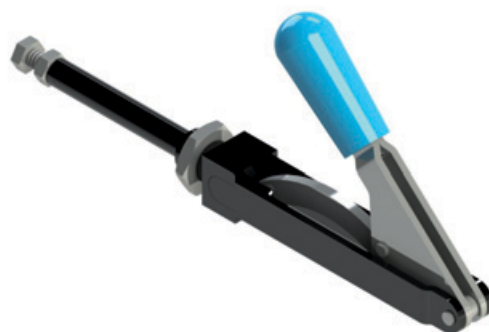
KF-006



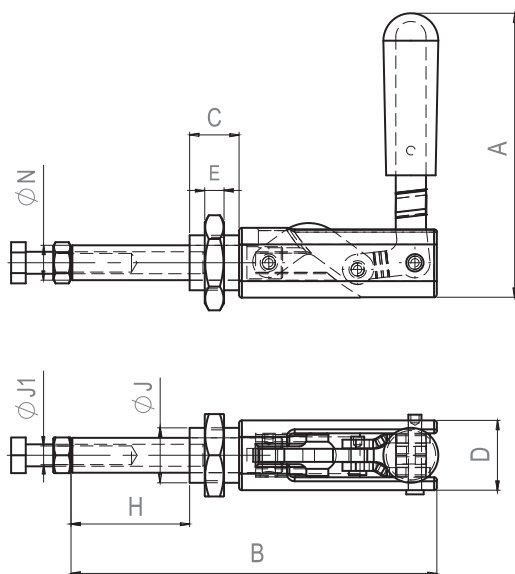
KF-007



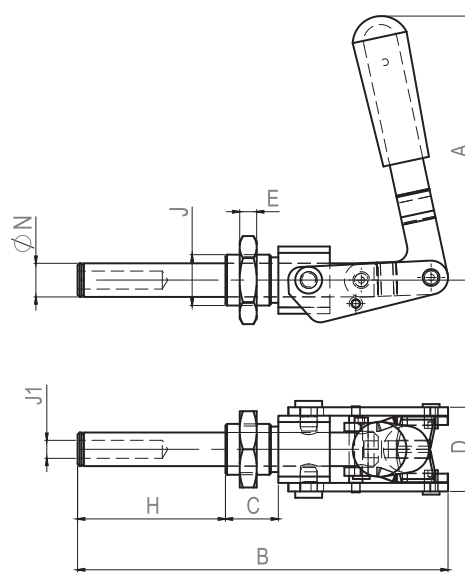
KF-015



KF-025 L



KF-007



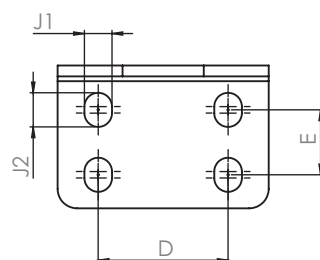
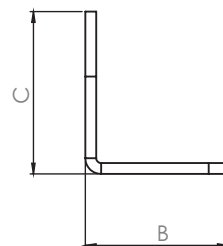
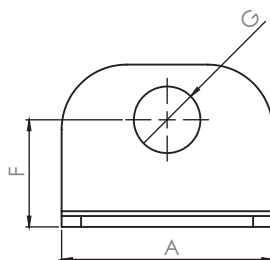
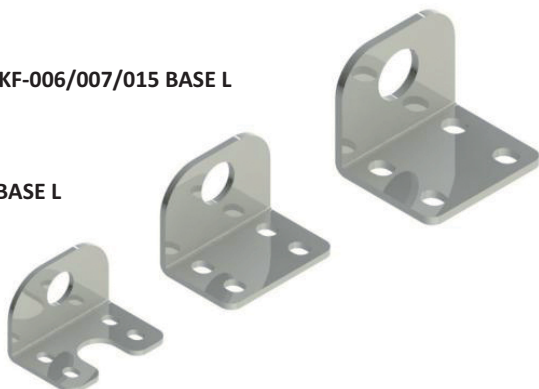
KF-005/006/015/025/035

REFERÊNCIA	FORÇA RETENÇÃO Kg	CURSO	A	B	C	D	E	H	J	J1	N	PESO Kg
KF-005	90	20	67	60	12	23	6	21	M16X1,5	M6X1,0	9,5	0,170
KF-006	120	39	90	105	16	31	7	39	M20X1,5	M8X1,25	12	0,380
KF-007	200	41	102	132	18	25,4	7	42	M20X1,5	M8X1,25	12,7	0,450
KF-015	250	30	104	137	20	25	7	30	M20X1,5	M8X1,25	12	0,450
KF-025	500	40	142	180	25	32	8	47	M24X2,0	M10X1,5	16	0,980
KF-025 L	300	99	129	316	25	32	8	102	M24X2,0	M10X1,5	16	1,350
KF-035	320	66	125	175	25	40	8	70	M24X2,0	M10X1,5	16	0,860

KF-025/035 BASE L

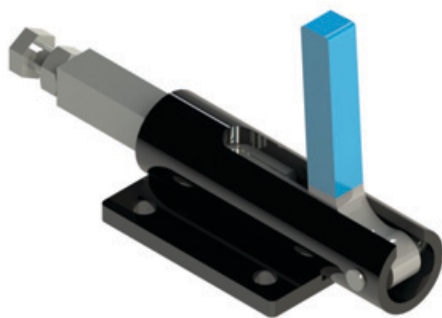
KF-006/007/015 BASE L

KF-005 BASE L

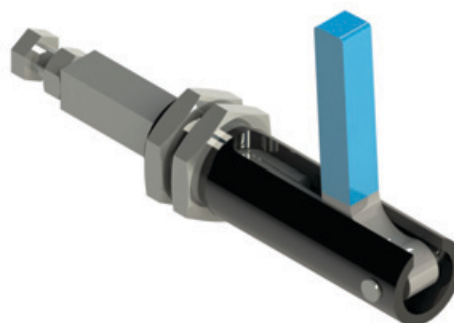


REFERÊNCIA	A	B	C	D	E	F	G	J1	J2
KF-005 BASE L	60	40	40	40	16	24	16,5	8,5	8,5
KF-006/007/015 BASE L	65	44	50	40	20	33	20,5	8,5	10,5
KF-025/035 BASE L	70	60	60	45	32	37	25	10,5	12,5

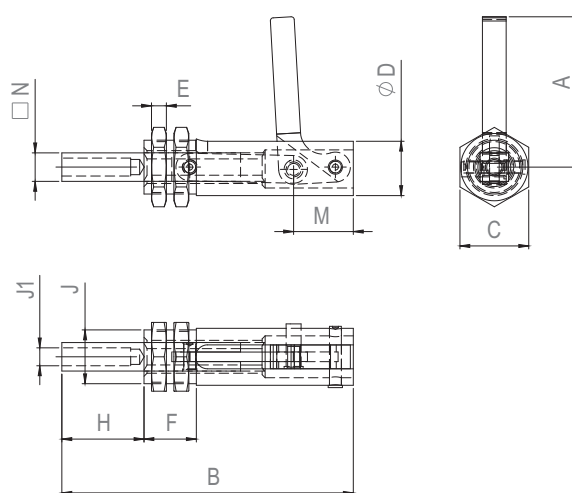
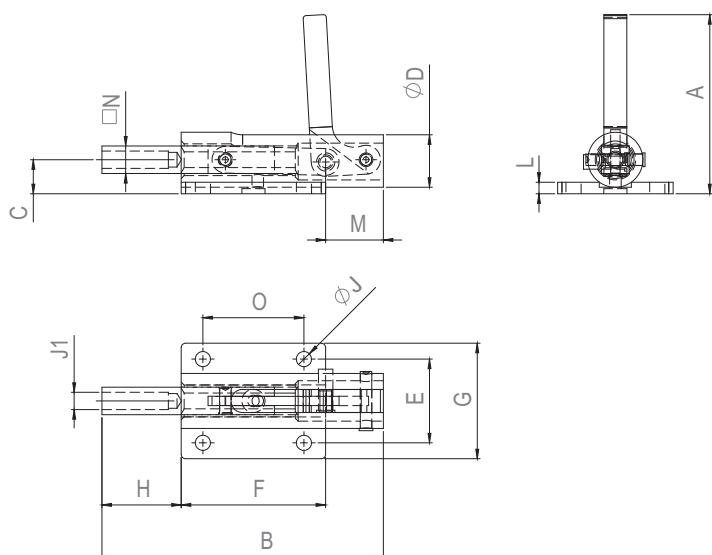
Torpedo com Embolo Quadrado



KFKT-012

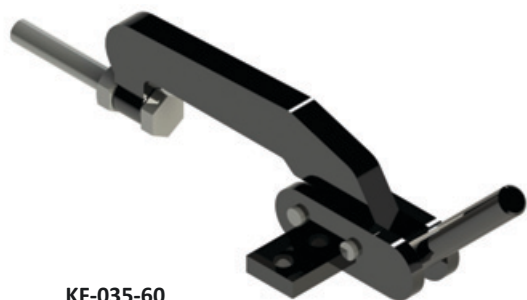


KFKT-012 F

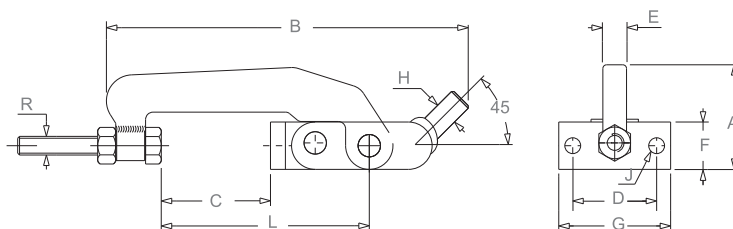


REFERÊNCIA	FORÇA RETENÇÃO Kgf	CURSO	A	B	C	D	E	F	G	H	J	J1	M	N	PESO Kg
KFKT-012	900	48	124	195	23,6	38	58	100	80	55	10,5	M12X1,75	40	19	1,780
KFKT-012 F	900	48	101	195	46	38	10	35		55	M36X1,5	M12X1,75	40	19	1,470

Grampo Compressor



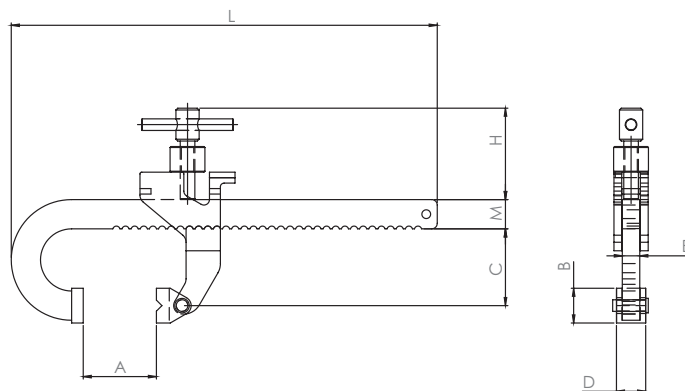
KF-035-60



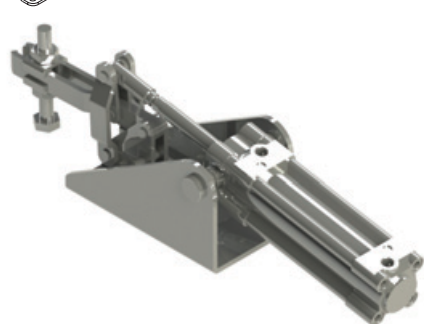
REFERÊNCIA	FORÇA RETENÇÃO Kgf	A	B	C	D	E	F	G	H	J	L	R	PESO Kg
KF-035 34	1000	72	195	34	45	12,7	25,4	60	12,7	8,5	87	M10	0,910
KF-035 60	1000	55	221	60	45	12,7	25,4	60	12,7	8,5	113	M10	0,890



KF-150



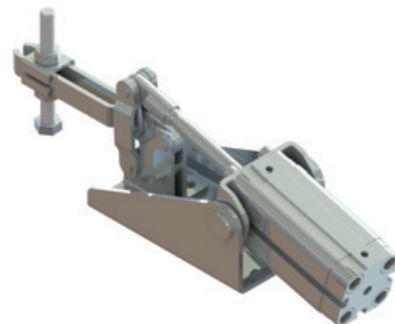
REFERÊNCIA	A	B	C	D	E	H	L	M	PESO Kg
KFS-150	0-150mm	19	42	16	9,5	50	233	16	0,600
KFS-300	0-320mm	25,4	81	19	9,5	85	472	22	1,900



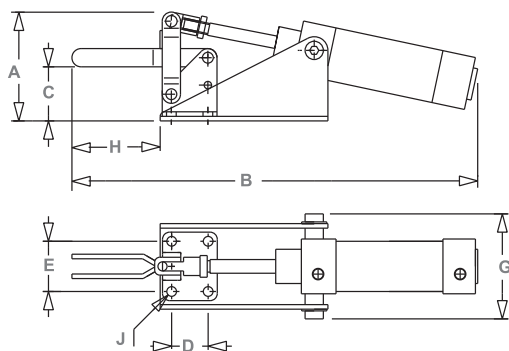
KF-011 DB P



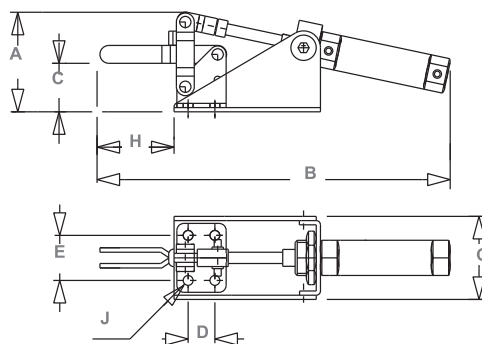
KF-011 DS P



KF-017 DBL PC



KF-011DB/DBL/DS-P



KF-017DB/DBL/DS-P

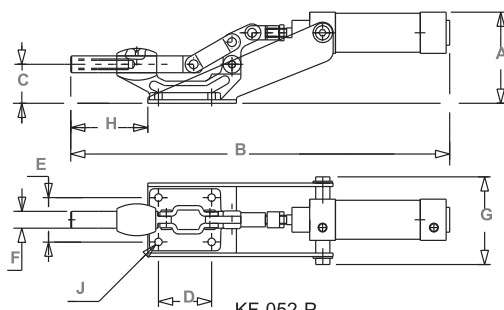
REFERÊNCIA	FORÇA RETENÇÃO Kgf	A	B	C	D	E	G	H	J	ROSCA CIL	ÂNGULO DE ABERTURA	PESO Kg
KF-011 DB P	280	97	369	47	32	44	79	86	8,5	1/8" NPT	100	3,150
KF-011 DB PC	280	97	329	47	32	44	79	86	8,5	1/8" NPT	100	2,820
KF-011 DBL P	250	97	395	47	32	44	79	112	8,5	1/8" NPT	100	3,170
KF-011 DBL PC	250	97	355	47	32	44	79	112	8,5	1/8" NPT	100	2,840
KF-011 DS P	300	97	395	47	32	44	79	112	8,5	1/8" NPT	100	3,150
KF-011 DS PC	300	97	355	47	32	44	79	112	8,5	1/8" NPT	100	2,820
KF-012 DB P	90	53	230	26	12,7	27	50	42	5,6	1/8" NPT	100	0,600
KF-017 DB P	170	72	292	35	19	32	64	53	7,0	1/8" NPT	100	1,250
KF-017 DB PC	170	72	236	35	19	32	64	53	7,0	M5	100	1,500
KF-017 DBL P	150	72	322	35	19	32	64	83	7,0	1/8" NPT	100	1,270
KF-017 DBL PC	150	72	266	35	19	32	64	83	7,0	M5	100	1,520
KF-017 DS P	200	72	322	35	19	32	64	83	7,0	1/8" NPT	100	1,270
KF-017 DS PC	200	72	266	35	19	32	64	83	7,0	M5	100	1,520
KF-111 DB P	680	117	442	55	32	45	89,5	100	8,5	1/4" NPT	100	5,250
KF-111 DS P	700	117	487	55	32	45	89,5	145	8,5	1/4" NPT	100	5,300



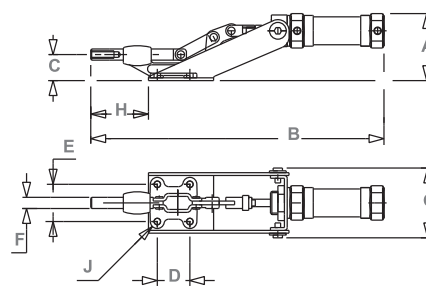
KF-052 P



KF-057 PC



KF-052-P



KF-057-P

REFERÊNCIA	FORÇA RETENÇÃO Kgf	A	B	C	D	E	F	G	H	J	ROSCA CIL	PESO Kg
KF-052 P	700	121	463	44	60	50	19	83,5	99	8,5	1/8" NPT	4,070
KF-052 PC	700	119	391	44	60	50	19	83,5	99	8,5	1/8" NPT	3,720
KF-057 P	230	80	366	25	35	40	12	65	68	7,0	1/8" NPT	1,280
KF-057 PC	230	80	290	25	35	40	12	65	68	7,0	M5	1,540



KF-019 DB P



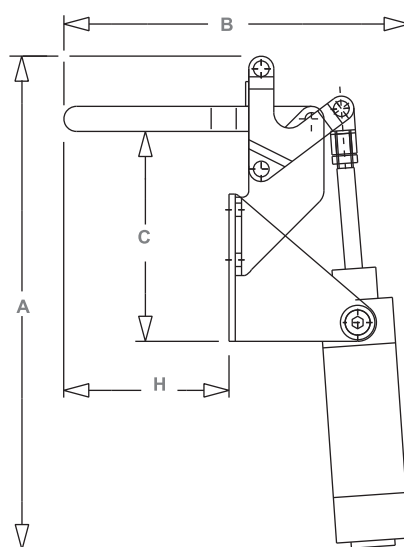
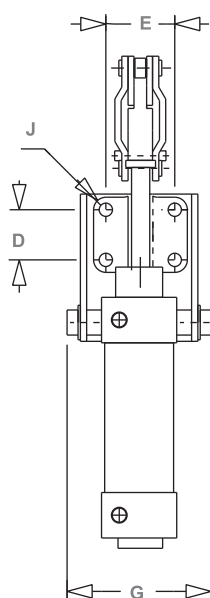
KF-019 DS PC



KF-311 DB P



KF-411 DS P



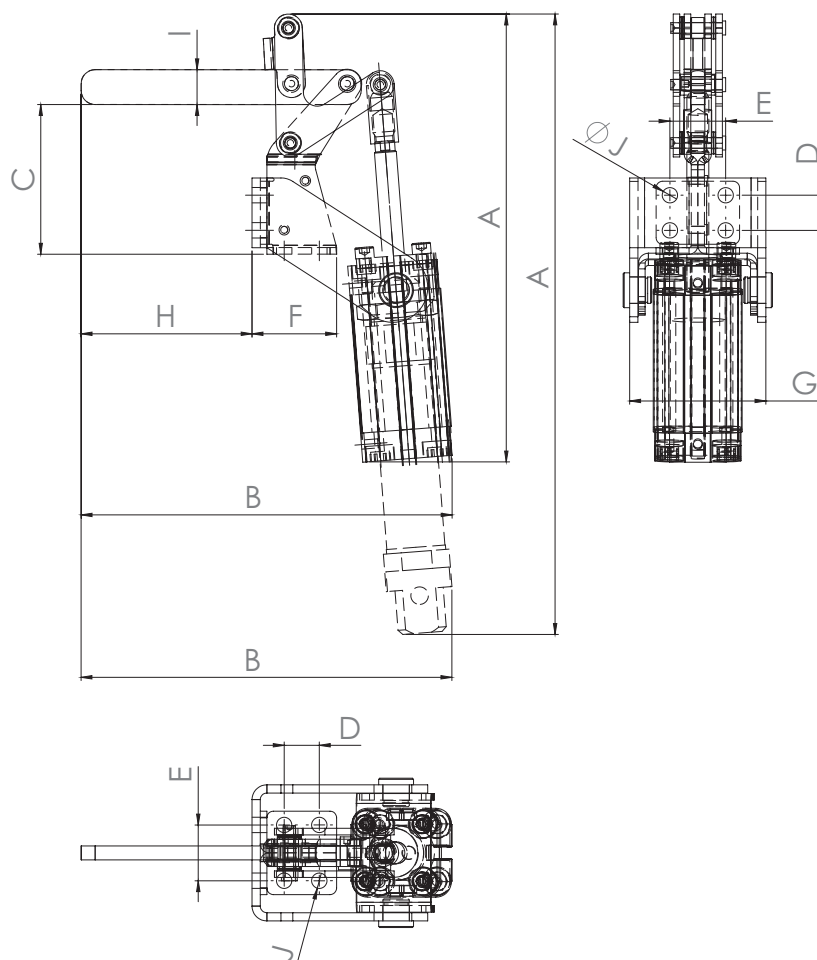
REFERÊNCIA	FORÇA RETENÇÃO Kgf	A	B	C	D	E	G	H	J	ROSCA CIL	ÂNGULO DE ABERTURA	PESO Kg
KF-019 DB P	250	283	156	97	20	33,5	67	73	7,0	1/8" NPT	100	1,350
KF-019 DB PC	250	204	159	97	20	33,5	67	73	7,0	M5	100	1,600
KF-019 DS P	250	283	156	97	20	33,5	67	73	7,0	1/8" NPT	100	1,400
KF-019 DS PC	250	204	159	97	20	33,5	67	73	7,0	M5	100	1,700
KF-311 DB P	250	336	217	130	32	44	75	102	8,5	1/8" NPT	100	3,250
KF-311 DB PC	250	259	215	130	32	44	75	102	8,5	1/8" NPT	100	2,800
KF-311 DS P	300	336	217	130	32	44	75	102	8,5	1/8" NPT	100	3,250
KF-311 DS PC	300	259	215	130	32	44	75	102	8,5	1/8" NPT	100	2,800
KF-411 DB P	650	393	259	156	32	45	90	128	8,5	1/4" NPT	100	5,500
KF-411 DB PC	650	295	258	156	32	45	90	128	8,5	1/4" NPT	100	5,000
KF-411 DS P	700	393	259	156	32	45	90	128	8,5	1/4" NPT	100	5,500
KF-411 DS PC	700	295	258	156	32	45	90	128	8,5	1/4" NPT	100	5,000



KF-718 S P

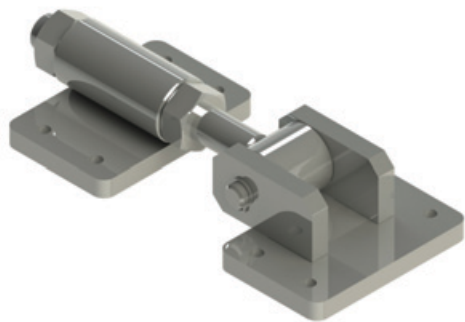


KF-718 S PC

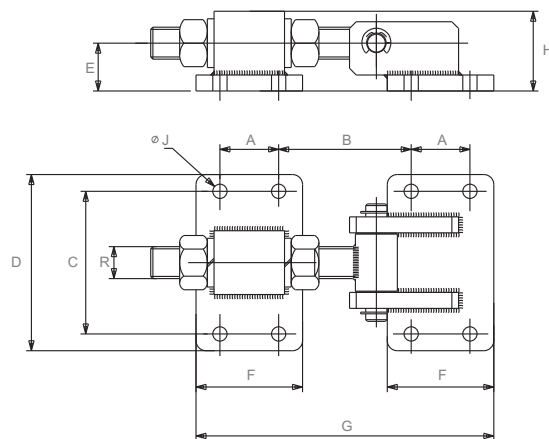


REFERÊNCIA	FORÇA RETENÇÃO Kgf	A	B	C	D	E	F	G	H	I	J	ROSCA CIL	PESO Kg
KF-718 S P	200	283	169	68	16	25,4	38,5	62	78	16	7,0	1/8" NPT	1,300
KF-718 S PC	200	204	169	68	16	25,4	38,5	62	78	16	7,0	M5	1,600

Dobradiça

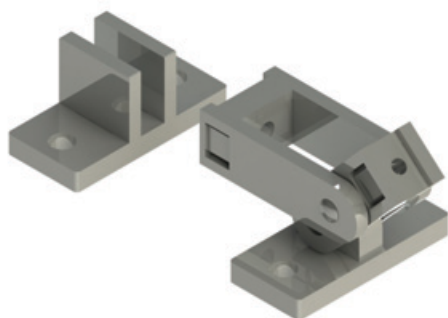


KFD-14

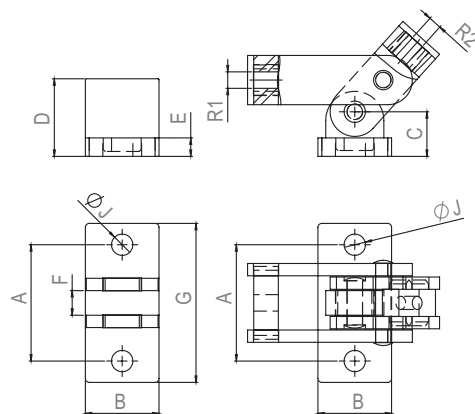


REFERÊNCIA	FORÇA RETENÇÃO Kgf	A	B	C	D	E	F	G	H	J	R	PESO Kg
KFD-14	900	26	80	60	76	21	50	156	33	5,5	M14X2,0	1,040
KFD-19	1400	35	105	85	105	24	63,5	203,5	38	8,5	M14X2,0	1,750

Trinco



KFT-10

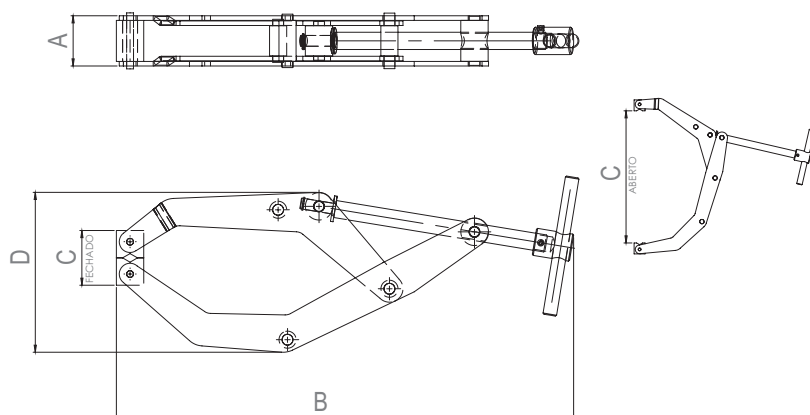


REFERÊNCIA	FORÇA RETENÇÃO Kgf	A	B	C	D	E	F	G	J	R1	R2	PESO Kg
KFT-10	900	60	38	23	40	9,5	12,7	82	11	M10X1,5	M8X1,25	1,040
KFT-14	1400	70	38	25	40	9,5	16	90	12,5	M14X2,0	M14X2,0	1,370

Alicate



KFA-300



REFERÊNCIA	FORÇA RETENÇÃO Kgf	A	B	C (FECHADO)	C (ABERTO)	D	ROSCA	PESO Kg
KFA-300	150	47	432	60	300	148	M16X2,0	2,750



KFA-25



KFA-35



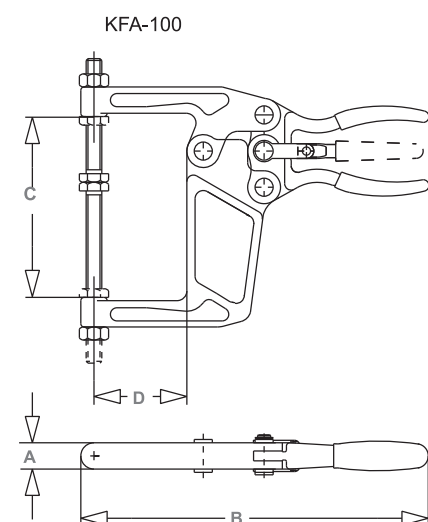
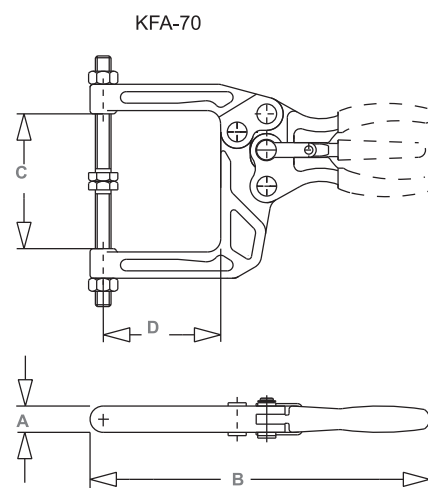
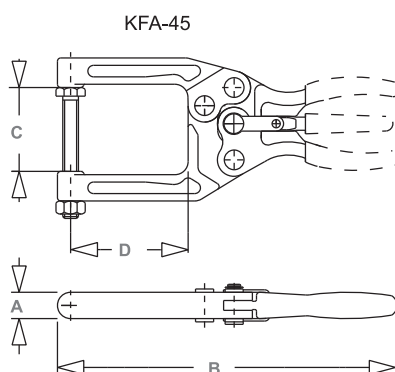
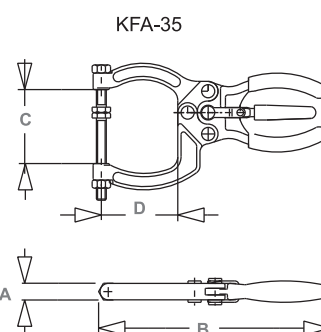
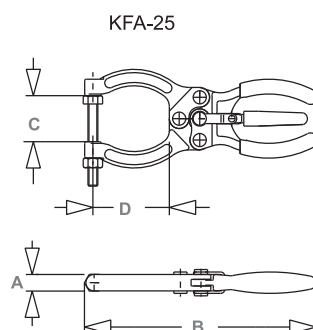
KFA-45



KFA-70

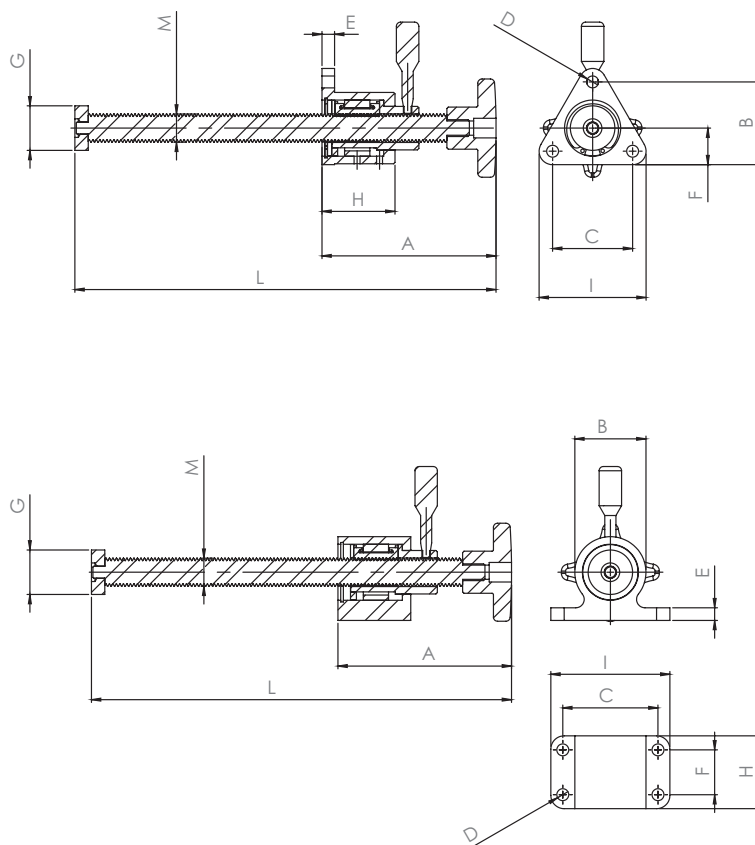


KFA-150



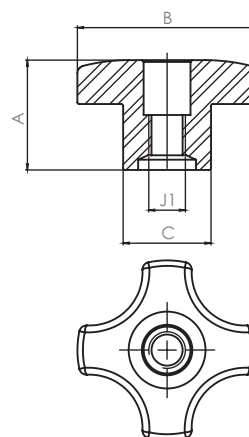
REFERÊNCIA	FORÇA RETENÇÃO Kgf	A	B	C	D	ROSCA	PESO Kg
KFA-25	100	10	140	28	46,5	M6X1,0	0,240
KFA-35	100	10	140	45	46,5	M6X1,0	0,250
KFA-45	280	16	205	53	70	M10X1,5	0,890
KFA-70	280	16	205	85	70	M10X1,5	0,980
KFA-90	250	16	205	93	71,5	M10X1,5	1,120
KFA-100	250	16	205	103	71,5	M10X1,5	1,150
KFA-150	200	16	205	153	71,5	M10X1,5	1,290

Fuso Rápido

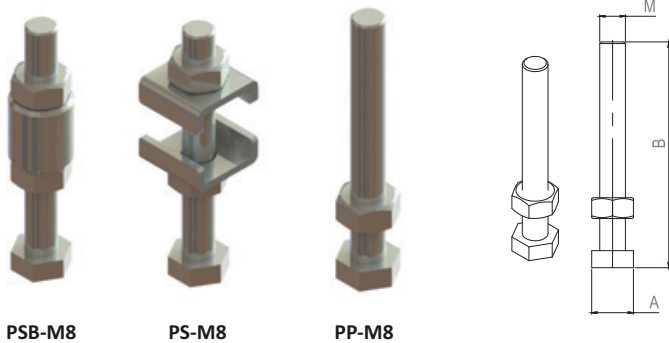


REFERÊNCIA	A	B	C	D	E	F	G	H	I	L	M
KFR-20	116	50,8	68	8,5	9	32	32	52	85	292	M20X2,0
KFRF-20	116	59	57	8,5	9	26,1	32	52	76	292	M20X2,0

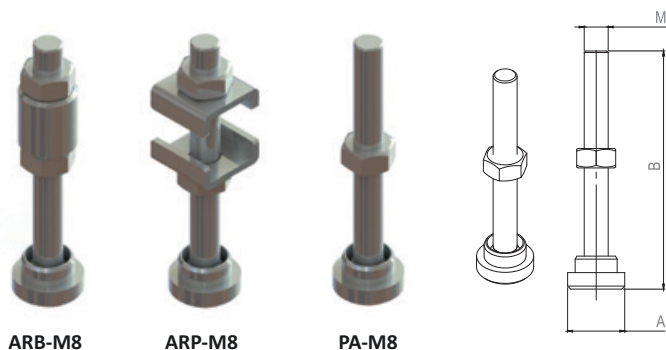
Manípulos



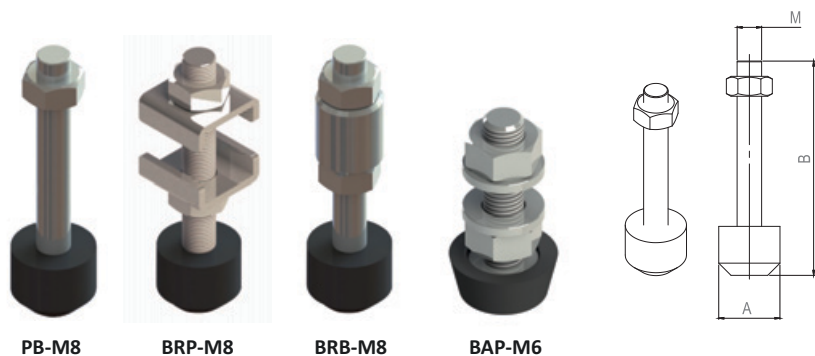
REFERÊNCIA	A	B	C	J1
KFM-6	30	19,5	18	M6X1,0
KFM-8	40	25	21	M8X1,25
KFM-10	49	30	24	M10X1,5
KFM-12	68	35	30	M12X1,75



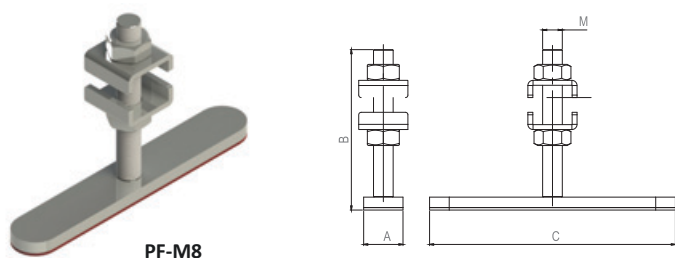
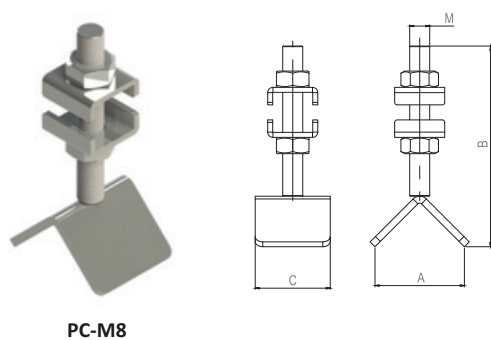
REFERÊNCIA	A	B	M
PP-M6	10	60	M6
PP-M8	13	70	M8
PP-M10	17	80	M10
PP-M12	19	95	M12
PP-M16	24	100	M16
PS-M6	10	55	M6
PS-M8	13	70	M8
PS-M10	17	80	M10
PSB-M6	10	60	M6
PSB-M8	13	70	M8
PSB-M10	17	80	M10
PSB-M12	19	95	M12



REFERÊNCIA	A	B	M
PA-M8	19	70	M8
PA-M10	19	80	M10
ARP-M8	19	70	M8
ARP-M10	19	80	M10
ARB-M8	19	70	M8
ARB-M10	19	80	M10



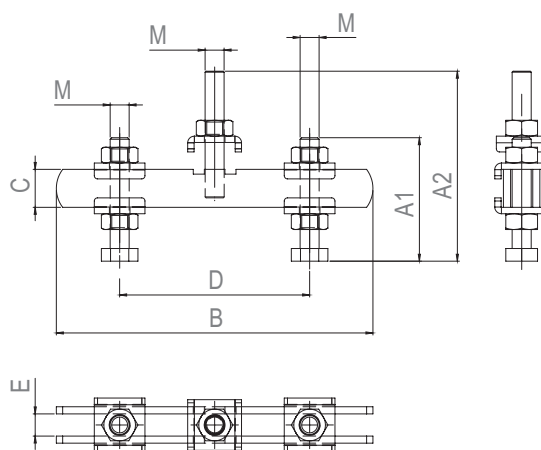
REFERÊNCIA	A	B	M
PB-M6	15	60	M6
PB-M8	20	70	M8
PB-M10	23	80	M10
BRP-M6	15	60	M6
BRP-M8	20	70	M8
BRP-M10	23	80	M10
BRB-M6	15	60	M8
BRB-M8	20	70	M8
BRB-M10	23	80	M10
BAP-M6	16	31	M6



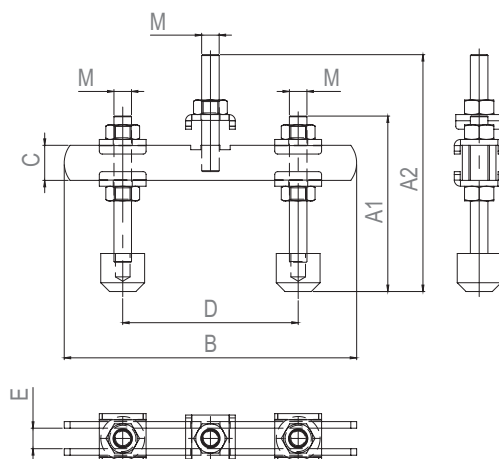
REFERÊNCIA	A	B	C	M
PC-M6	36	65	30	M6
PC-M8	36	80	30	M8
PC-M10	36	90	30	M10
PF-M6	16	50	100	M6
PF-M8	16	65	100	M8
PF-M10	16	75	100	M10



PSD-M8



PBD-M8



REFERÊNCIA	A1	A2	B	C	D mín	D máx	E	M
PBD-M6	60	81	100	12	30	80	7	M6x1,00
PBD-M8	70	81	120	15	35	92	9	M8x1,25
PBD-M10	80	95	180	20	42	148	11	M10x1,50

REFERÊNCIA	A1	A2	B	C	D mín	D máx	E	M
PSD-M6	39	60	100	12	30	80	7	M6x1,00
PSD-M8	70	81	120	15	35	92	9	M8x1,25
PSD-M10	81	97	180	20	42	148	11	M10x1,50

REFERÊNCIA	LEGENDA
PP	PONTEIRA SEXTAVADA COM PORCA
PS	(*) PONTEIRA SEXTAVADA COM ANILHA
PSB	(*) PONTEIRA SEXTAVADA COM BUCHA
PB	PONTEIRA BORRACHA COM PORCA
BRP	PONTEIRA BORRACHA COM ANILHA
BAP	PONTEIRA BORRACHA COM ARRUELA
BRB	PONTEIRA BORRACHA COM BUCHA
PA	PONTEIRA ARTICULADA COM PORCA
ARP	PONTEIRA ARTICULADA COM ANILHA
ARB	PONTEIRA ARTICULADA COM BUCHA
PC	PONTEIRA CANTONEIRA COM ANILHA
PF	PONTEIRA FELTRO COM ANILHA
PBD	PONTEIRA DUPLA DE BORRACHA
PSD	PONTEIRA DUPLA PARAFUSO SEXTAVADO

(*) Acompanha o Grampo.

[illegible]



**FABRICAMOS EM INOX
E COM TRAVA.**

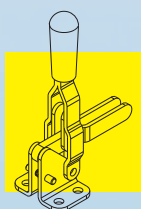


KIFIX INDÚSTRIA E COMÉRCIO LTDA., sediada no estado do Rio Grande do Sul, na cidade de Caxias do Sul, fabricando grampos de fixação rápida desde 2004, coloca à sua disposição mais de 300 produtos da mais alta qualidade, direcionados aos mais variados ramos de atividades industriais, tais como: ferramentarias, serralherias, indústrias metalúrgicas, moveleiras, químicas, cosméticas, alimentícias, automobilísticas, autopeças, etc.

Conta com profissionais experientes e que estão à sua disposição para ajudá-lo a solucionar os seus problemas de fixação.

O sistema de fixação, chamado de "fixação rápida", é uma ferramenta que pode ser acionada manualmente, pneumaticamente, hidraulicamente ou eletricamente. Foi fabricada pela primeira vez em 1936, portanto, há mais de 70 anos vem solucionando problemas de fixação em processos industriais tais como: furar, rosquear, soldar, colar, montar, fresar, etc.

Os grampos de "fixação rápida" são fabricados nos tipos: vertical, horizontal, tensor, torpedo e alicate, em aço carbono zincado ou aço inox, com capacidade de retenção de 50 a 1.800kg força. Tamanhos e tipos especiais são fabricados sob encomenda.



Kifix
GRAMPOS DE FIXAÇÃO

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