



英国 Brauer 手动夹钳、气动夹钳、压力机目录

英国 BRAUER 公司是手动夹具 Brauer Manual Clamp、气动夹具 Brauer Pneumatic Clamp 以及压力机 Brauer Industrial Press 生产的专业公司，其技术水平和产品质量一直处于世界领先地位。

夹钳类型如下: Toggle Clamps Vertical, Toggle Clamps Horizontal, Toggle Clamps Heavy Duty, Pull Back Clamps, Push-Pull Clamps, Push-Pull Clamps Heavy Duty, Hook Clamps, Latch Clamps Vertical, Latch Clamps Horizontal, Pneumatic Clamps Vertical & Push-Pull, Clamping Accessories 等。

一、Manual Clamp

1、Vertical Toggle

Style: Straight Base Loose

Part No	Nominal force	Weight (Kg)	A	B	C	D	E	F	G
V250/1A	250daN	0.38	112	12	190	77	35	39	M8x60
V250/1AL	250daN	0.38	122	12	190	87	35	39	M8x60
V300/1A	300daN	0.48	143	13	202	100	43	42	M10x80
V350/1A	350daN	0.8	149	16	240	98	50	54	M10x80
V450/1A	450daN	1.25	180	20	246	127	53	59	M12x100
V550/1A	550daN	2.2	235	20	345	159	76	102	M16x150

Style: Straight Base Adjustable

Part No	Nominal force	Weight (Kg)	A	B	C	D	E	F	G
V75/1B	75daN	0.05	57	8	106	31	26	22	M5
V75/1BSS	75daN	0.05	57	8	106	31	26	22	M5
V100/1B	100daN	0.11	66	5	112	38	28	27	M5
V150/1B	150daN	0.15	70	12	135	43	27	28	M6
V150/1BSS	150daN	0.15	70	12	135	43	27	28	M6
V200/1B	200daN	0.15	79	6	150	44	35	37	M6x50
V250/1B	250daN	0.38	110	12	190	75	35	39	M8x60
V250/1BSS	250daN	0.38	110	12	190	75	35	39	M8x60
V300/1B	300daN	0.48	142	13	202	98	43	42	M8x60
V350/1B	350daN	0.8	146	16	240	95	50	54	M10x80
V450/1B	450daN	1.35	175	20	246	122	53	59	M12x100
V550/1B	550daN	2.4	230	20	345	154	76	102	M16x150

Style: Straight Base Fixed

Part No	Nominal force	Weight (Kg)	A	B	C	D	E	F	G
V100/1C	100daN	0.1	65	5	112	37	28	27	M5
V150/1C	150daN	0.15	60	12	135	26	27	28	M6

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Add: Room 210, ShiYan Building, No. 2 Beisanhuan Middle Road, Chaoyang District, Beijing 100011, China

Tel: 86-10-62022930 Fax: 86-10-62361105 website: www.hplccn.com E-mail: bjhdlbh@126.com



V200/1C	200daN	0.2	77	6.3	150	42	35	37	M6x50
V250/1C	250daN	0.38	87	12	190	47	35	37	M8x60
V300/1C	300daN	0.48	114	13	202	65	43	39	M8x60
V350/1C	350daN	0.75	124	16	240	65	50	52	M10x80
V450/1C	450daN	1.3	137	20	246	74	53	57	M12x100
V550/1C	550daN	2.3	196	20	345	108	76	100	M16x150

Flanged Base Loose

Part No	Nominal force	Weight (Kg)	A	B	C	D	E	F	G
V250/2A	250daN	0.38	112	45	175	77	35	32	M8x60
V250/2AL	250daN	0.38	122	45	175	77	35	32	M8x60
V300/2A	300daN	0.48	143	52	186	100	43	34	M10x80
V350/2A	350daN	0.8	149	64	220	98	50	43	M10x80
V450/2A	450daN	1.25	180	64	228	127	53	51	M12x100
V550/2A	550daN	2.2	236	95	312	159	76	82	M16x150

Flanged Base Adjustable

Part No	Nominal force	Weight (Kg)	A	B	C	D	E	F	G
V70/2BT	70daN	0.1	56.3	25.4	35	30.1	26.2	12.7	-
V70/2BTSS	70daN	0.1	56.3	25.4	35	30.1	26.2	12.7	-
V75/2B	75daN	0.05	57	34	98	31	26	16	M5
V75/2BSS	75daN	0.05	57	34	98	31	26	16	M5
V100/2B	100daN	0.11	67	34	103	39	28	22	M5
V150/2B	150daN	0.15	70	38	125	43	27	23	M6
V150/2BSS	150daN	0.15	70	38	125	43	27	23	M6
V200/2B	200daN	0.2	79	42	135	44	35	29	M6x50
V250/2B	250daN	0.38	110	45	175	74	35	32	M8x60
V250/2BSS	250daN	0.38	110	45	175	74	35	32	M8x60
V300/2B	300daN	0.48	143	52	186	100	43	42	M8x60
V350/2B	350daN	0.8	146	1664	220	95	50	43	M10x80
V450/2B	450daN	1.35	177	64	228	122	53	51	M12x100
V550/2B	550daN	2.4	231	95	312	154	76	82	M16x150

Flanged Base Fixed

Part No	Nominal force	Weight (Kg)	A	B	C	D	E	F	G
V100/2C	100daN	0.1	65	34	103	37	28	22	M5
V150/2C	150daN	0.15	60	38	125	33	27	23	M6
V200/2C	200daN	0.2	77	42	135	42	35	29	M6x50
V250/2C	250daN	0.38	88	45	175	45	35	32	M8x60

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V300/2C	300daN	0.48	114	51	186	65	43	32	M8x60
V350/2C	350daN	0.75	124	64	240	65	50	41	M10x80
V450/2C	450daN	1.3	137	64	228	74	53	49	M12x100
V550/2C	550daN	2.3	197	95	312	108	76	82	M16x150

Style: Front Mounting Loose

Part No	Nominal force	Weight (Kg)	A	B	C	D	E	F	G
V300/3A	300daN	0.5	143	51	235	93	50	82	M8x60

Style: Front Mounting Adjustable

Part No	Nominal force	Weight (Kg)	A	B	C	D	E	F	G
V100/3B	100daN	0.11	67	28	122	31	26	44	M5
V200/3B	200daN	0.25	79	42	170	35	44	64	M6x50
V300/3B	300daN	0.5	143	51	235	93	50	82	M8x60

Style: Front Mounting Fixed

Part No	Nominal force	Weight (Kg)	A	B	C	D	E	F	G
V100/3C	100daN	0.11	65	28	122	24.5	36	44	M5
V200/3C	200daN	0.25	77	42	170	27	44	64	M6x50
V300/3C	300daN	0.5	114	51	235	58	50	81	M8x60

2、VA Heavy Duty Vertical

Style: Swivel Base Stub

Part No	Nominal force	Weight (Kg)	A	B	C	D	E	F	G
VA300S	300daN	0.15	26	66	6	20	12 dia.	66	52
VA700S	700daN	0.7	20	114	10	32	20 dia.	114	79
VA1200S	1200daN	1.3	24	139	12	38	22 dia.	141	106
VA2400S	2400daN	2.9	32	177	16	50	30 dia.	177	133

Style: Straight Base Stub

Part No	Nominal force	Weight (Kg)	A	B	C	D	E	F	G
VA300T	300daN	0.15	26	86	6	20	52	86	27
VA700T	700daN	0.8	43	144	10	32	79	144	45
VA1200T	1200daN	1.45	48	177	12	38	106	176	50
VA2400T	2400daN	3.2	62	220	16	50	133	220	63

Style: Straight Base Solid Arm

Part No	Nominal force	Weight (Kg)	A	B	C	D	E	F	G
VA700TP	700daN	1.01	43	144	10	20	25	133	45
VA1200TP	1200daN	1.87	51	175	12	22	30	168	51

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VA2400TP 2400daN 3.96 64 220 16 30 40 207 64

Style: Flanged Base Stub

Part No	Nominal force	Weight (Kg)	A	B	C	D	E	F	G
VA300/2S	300daN	0.2	6	12 dia.	74	42	52	74	31

Style: Straight Base Adjustable

Part No	Nominal force	Weight (Kg)	A	B	C	D	E	F	G
VA300/1B	300daN	0.25	84	12	136	6	M6x50	42	45

Style: Flanged Base Adjustable

Part No	Nominal force	Weight (Kg)	A	B	C	D	E	F	G
VA300/2B	300daN	0.25	84	M6x50	119	42	25	45	31
VA300/2BT	300daN	0.25	84	M6x50	77	42	25	45	31

Style: Straight Base Loose

Part No	Nominal force	Weight (Kg)	A	B	C	D	E	F	G
VA700/1A	700daN	1.1	105	43	235	20	M12x100	70	40
VA1200/1A	1200daN	1.8	124	48	276	24	M12x100	86	50
VA2400/1A	2400daN	3.75	163	62	318	32	M16x150	105	60

Style: Flanged Base Fixed

Part No	Nominal force	Weight (Kg)	A	B	C	D	E	F	G
VA700/2C	700daN	1.25	124	M12x100	215	67	48	45	20
VA1200/2C	1200daN	1.95	144	M12x100	250	88	58	50	24
VA2400/2C	2400daN	4.1	188	M16x150	295	105	70	63	35

Style: VA Heavy Duty Accessories

Part No	A	B	C	D	E	F	G	H	I
VA300 Accs	12	47	54	60	12	16	37	30	5
VA700 Accs	19	90	94	58	20	25	50	40	8
VA1200 Accs	22	100	100	80	25	30	60	50	8
VA2400 Accs	25	100	100	100	30	35	70	65	8

3、Horizontal Toggle

Style: Straight Base Loose

Part No	Nominal force	Weight (Kg)	A	B	C	D	E	F
H250/1A	250daN	0.5	226	12	82	82	42	39
H350/1A	350daN	0.9	280	16	108	109	59	54
H450/1A	450daN	1.6	310	20	130	130	66	66

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Style: Straight Base Adjustable

Part No	Nominal force	Weight (Kg)	A	B	C	D	E	F
H50/1B	50daN	0.033	70	2	29	26	16	14
H75/1B	75daN	0.1	116	8	45	37	25	22
H75/1BSS	75daN	0.1	116	8	45	37	25	22
H150/1B	150daN	0.25	170	10	65	61	38	28
H150/1BSS	150daN	0.25	170	10	65	61	38	28
H250/1B	250daN	0.5	224	12	82	79	42	39
H350/1B	350daN	0.9	274	16	108	108	59	54
H450/1B	450daN	1.6	305	20	130	128	66	66

Style: Straight Base Fixed

Part No	Nominal force	Weight (Kg)	A	B	C	D	E	F
H75/1C	75daN	0.1	108	8	45	23	25	22
H150/1C	150daN	0.25	154	10	65	38	38	28

Style: Flanged Base Loose

Part No	Nominal force	Weight (Kg)	A	B	C	D	E	F
H250/2A	250daN	0.5	226	46	67	82	42	34
H350/2A	350daN	0.9	279	59	91	111	59	45
H450/2A	450daN	1.6	310	67	110	130	66	59

Style: Flanged Base Adjustable

Part No	Nominal force	Weight (Kg)	A	B	C	D	E	F
H50/2B	50daN	0.036	70	24	22	26	24	11.5
H50/2BSS	50daN	0.036	70	24	22	26	24	11.5
H75/2B	75daN	0.1	116	27	36	37	25	19
H75/2BSS	75daN	0.1	116	27	36	37	25	19
H150/2B	150daN	0.25	170	40	53	61	38	25
H150/2BSS	150daN	0.25	170	40	53	61	38	25
H250/2B	250daN	0.5	224	46	67	79	42	34
H350/2B	350daN	0.9	274	59	91	108	59	45
H450/2B	450daN	1.6	305	67	110	128	66	59
H700	700daN	1.15	270	48	84	78	81	45

Style: Flanged Base Fixed

H50/2C	50daN	0.025	70	24	22	21	24	11
H75/2C	75daN	0.1	108	27	36	23	25	19
H150/2C	150daN	0.25	155	40	53	38	38	25



4、Pull Back

Style: Pull Back TC79

Part No	Nominal force	Weight (Kg)
TC79	300daN	0.5

5、Positive Locking

Style: Vertical Straight Base

Part No	Nominal force	Weight (Kg)	A	B	C	D	E	F
V250/1BLC	250daN	0.47	48	65	140	220	6	8
V350/1BLC	350daN	0.47	48	65	140	220	6	8

Style: Vertical Flanged Base

Part No	Nominal force	Weight (Kg)	A	B	C	D	E	F
V250/2BLC	250daN	0.47	80	113	32	7.5	176	8
V350/2BLC	350daN	0.69	100	140	45	8.5	230	10

Style: Vertical Front Mounted Base

Part No	Nominal force	Weight (Kg)	A	B	C	D	E	F
V250/3BLC	250daN	0.535	65	112	24	6.5	245	8

Style: Horizontal Straight Base

Part No	Nominal force	Weight (Kg)
H350/1BLC	350daN	0.8

Style: Horizontal Flanged Base

Part No	Nominal force	Weight (Kg)
H350/2BLC	350daN	0.8

6、Push-Pull

Style: Standard

Part No	Nominal force	Weight (Kg)	A	B	C	D	E
P50	50daN	0.05	67	28	42	28	34
P50SS	50daN	0.05	67	28	42	28	34
P100	100daN	0.15	68	25	96	44	33
P100SS	100daN	0.15	68	25	96	44	33
P200	200daN	0.35	110	30	137	57	54
P200SS	200daN	0.35	110	30	137	57	54
P250	250daN	0.3	135	42	85	57	53
P400	400daN	0.8	175	42	150	64	93

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P400SS	400daN	0.8	175	42	150	64	93
P450	450daN	0.75	173	45	120	64	60

Style: Slimline

Part No	Nominal force	Weight (Kg)	A	B	C	D	E	F
P350	350daN	0.2	123	23	97	M16x1.5	33	16
P550	550daN	0.45	162	27	118	M20x1.5	40	20
P750	750daN	1	238	35	135	M24x1.5	70	23

Style: Heavy Duty

Part No	Nominal force	Weight (Kg)	A	B	C	D	E
P600	600daN	0.45	127	46	67	38	89
P1200	1200daN	1.35	190	58	88	55	135
P2500	2500daN	3.6	297	80	108	102	196
P5000	5000daN	6.2	390	84	125	138	254

Style: Heavy Duty Long Handle

Part No	Nominal force	Weight (Kg)	A	B	C	D	E	F
P600L	600daN	0.55	127	130	46	65	38	89
P1200L	1200daN	1.6	190	200	58	100	55	135
P2500L	2500daN	4.15	297	280	80	130	102	195
P5000L	5000daN	7.1	390	355	84	172	138	254

Style: Precision

Part No	Nominal force	Weight (Kg)	A	B	C	D	ØE	F	G	ØH
SP700	700DaN	0.83	145	35	35	145	14	24	81	5.5

7、Cam Heavy Duty

Style: Cam Ram Clamps

Part No	Rotation	Hand force	Mallet force	Weight (Kg)	A	B	C	D	E
CR4000	CW	750daN	4000daN	0.55	41	22	42	30	30
CR4000A	A-CW	750daN	4000daN	0.55	41	22	42	30	30
CR5000	CW	850daN	5000daN	1.3	57	28	56	42	40
CR5000A	A-CW	850daN	5000daN	1.3	57	28	56	42	40

Style: Cam Swing Clamps

Part No	Rotation	Hand force	Mallet force	Weight (Kg)	A	B	C	D	E
CS300	CW	300daN	-	0.2	111	48	-	32	65
CS300A	A-CW	300daN	-	0.2	111	48	-	32	65
CS800	CW	500daN	800daN	0.4	150	48	54	42	90

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CS800A	A-CW	500daN	800daN	0.4	150	48	54	42	90
CS1200	CW	600daN	1200daN	0.9	200	65	77	55	120
CS1200A	A-CW	600daN	1200daN	0.9	200	65	77	55	120

Style: Cam Swing Block

Part No	H	W	L	TN	P1	P2	P3	P4	T1	T2
CSB300	10-50	30	50	12-18	-	-	-	15	M8x1.25	M12x1.25
CSB800	12-50	48	40	12-18	36	18	18	9	M6x1.0	M12x1.25
CSB1200	20-76	65	62	12-18	50	25	25	12.5	M8x1.25	M12x1.25

Style: Cam Push Clamps

Part No	Hand force	Mallet force	Weight (Kg)	A	B	C	D	E
CP1500	600daN	2000daN	0.27	64	19	77	26	39
CP2000	650daN	2000daN	0.6	84	25	103	34	50
CP3000	650daN	3000daN	1.5	110	32	140	43	50

Style: Long Handle Cam Push

Part No	Nominal force	Weight (Kg)	A	B	C	D	E
CP1500L	1500daN	0.35	50	32	172	26	39
CP2000L	1700daN	0.75	66	41	228	34	50
CP3000L	2000daN	2	86	54	312	43	68

Style: Cam Push Cam Pull

Part No	Nominal force	Weight (Kg)	Hand	Push/Pull?
CP1005	500	0.8	Right	Push
CP1006	500	0.8	Right	Pull
CP1007	500	0.8	Left	Push
CP1008	500	0.8	Left	Pull

8、 Hook

Style: Hook Clamps

Part No	Nominal force	Weight (Kg)	A	B	C	D	E	F	G
LH200	200daN	0.1	156	43	58	21.5	13.5	70	26
LH200SS	200daN	0.1	156	43	58	21.5	13.5	70	26
LH400	400daN	0.35	348	56	84	29	21	90	37
LH400SS	400daN	0.35	348	56	84	29	21	90	37
LH700	700daN	1	310	78	104	43.5	27	115	49
LH700SS	700daN	1	310	78	104	43.5	27	115	49

9、 Swing & Assemblies

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Style: Swing Assemblies

Part No	Nominal force	Weight (Kg)	A	B	C	D
1016-08	1800daN	0.33	26	38	47.5	62
1016-10	2000daN	0.65	31	48	57.5	74
1016-12	2500daN	0.81	36.5	55	67	87
1016-16	3000daN	1.6	43.5	65	87	112

Style: Swing Clamps

Part No	Nominal force	Weight (Kg)	A	B	C	D	E	F	G
1015-08	1800daN	0.08	18	10	45	31	19.88/19.95	20.00/20.05	M8
1015-10	2000daN	0.15	23	12	55	39	23.88/23.95	24.00/24.05	M10
1015-12	2500daN	0.23	27	15	65	46	27.88/27.95	28.00/28.05	M12
1015-16	3000daN	0.44	36	20	85	60	33.88/33.95	34.00/34.05	M16

Style: Heavy Duty Machine Hooks

Part No	Nominal force	Weight (Kg)
4370	-	-

10、 Latch

Style: Horizontal Latch

Part No	Nominal force	Weight (Kg)	A	B	C	D	E	F	G
LU200H	200daN	0.05	0.77	16	0.55	42	36	23	2.5
LU200HSS	200daN	0.05	0.77	16	0.55	42	36	23	2.5
LU400H	400daN	0.25	0.78	21	0.52	63	47	32	3
LU400HSS	400daN	0.25	0.78	21	0.52	63	47	32	3
LU700H	700daN	0.7	0.76	28	0.5	84	64	40	4
LU700HSS	700daN	0.7	0.76	28	0.5	84	64	40	4

Style: Horizontal Latch

Part No	Nominal force	Weight (Kg)	A	B	C	D	E	F	G
LU2000H	2000daN	1.4	270/320	28	39/88	115	74	65	10
LU4000H	4000daN	2.6	335/395	34	52/112	132	84	78	12

Style: Vertical Latch

Part No	Nominal force	Weight (Kg)	A	B	C	D	E	F	G
LU200V	200daN	0.05	76	16	36	0.73	42	4	2.5
LU200VSS	200daN	0.05	76	16	36	0.73	42	4	2.5
LU400V	400daN	0.25	115	21	47	0.78	63	6	3
LU400VSS	400daN	0.25	115	21	47	0.78	63	6	3

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LU700V	700daN	0.7	152	28	64	0.76	84	8	4
LU700VSS	700daN	0.7	152	28	64	0.76	84	8	4

11、 Vertical Cam

Style: Vertical Cam

Part No	Nominal force	Weight (Kg)	A	B	C	D	E	F	G
CV75	75daN	0.05	52	34	98	9.5	16	26	M5x35
CV250	250daN	0.35	74	45	176	21.5	30	35	M8x60
CV350	350daN	0.7	116	64	220	25	42	50	M10x80

二、 Pneumatic Clamps

1、 pneumatic vertical clamps

Product: V75X

Part No	Nominal holding force	Operating Pressure Range	Max. Cycles/Min. at 6 bar	Swept Volume Per Cycle	Weight (kg)
V75X	75 daN	2-6 bar (30-88 p.s.i.g.)	40	0.02L ³ (1.2 cu. in.)	0.4

Product: V150X

Part No	Nominal holding force	Operating Pressure Range	Max. Cycles/Min. at 6 bar	Swept Volume Per Cycle	Weight (kg)
V150X	150 daN	2-6 bar (30-88 p.s.i.g.)	60	0.04L ³ (2.4 cu. in.)	0.65

Product: V250X

Part No	Nominal holding force	Operating Pressure Range	Max. Cycles/Min. at 6 bar	Swept Volume Per Cycle	Weight (kg)
V250X	250 daN	2-6 bar (30-88 p.s.i.g.)	55	0.09L ³ (5.5 cu. in.)	1.2

Product: V450X

Part No	Nominal holding force	Operating Pressure Range	Max. Cycles/Min. at 6 bar	Swept Volume Per Cycle	Weight (kg)
V450X	450 daN	2-6 bar (30-88 p.s.i.g.)	55	0.27L ³ (16.8 cu. in.)	2.75

Product: V750X

Part No	Nominal holding force	Operating Pressure Range	Max. Cycles/Min. at 6 bar	Swept Volume Per Cycle	Weight (kg)
V750X	750 daN	2-6 bar (30-88 p.s.i.g.)	30	0.27L ³ (16.5 cu. in.)	3.85

Product: V1750X

Part No	Nominal holding force	Operating Pressure Range	Max. Cycles/Min. at 6 bar	Swept Volume Per Cycle	Weight (kg)
V1750X	1750 daN	2-6 bar (30-88 p.s.i.g.)	15	0.75L ³ (45.7 cu. in.)	6.8

Product: V2000X

Part No	Nominal holding force	Operating Pressure Range	Max. Cycles/Min. at 6 bar	Swept Volume Per Cycle	Weight (kg)
V2000X	2000 daN	2-6 bar (30-88 p.s.i.g.)	10	0.76L ³ (46.4 cu. in.)	10.3

Product: P600X

Part No	Nominal holding force	Operating Pressure Range	Max. Cycles/Min. at 6 bar	Swept Volume Per Cycle	Weight (kg)
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P600X 600 daN 2-6 bar (30-88 p.s.i.g.) 60 0.09L³ (5.5cu. in.) 1.45

[Product: P1200X](#)

Part No	Nominal holding force	Operating Pressure Range	Max. Cycles/Min. at 6 bar	Swept Volume Per Cycle	Weight (kg)
P1200X	1200 daN	2-6 bar (30-88 p.s.i.g.)	50	0.28L ³ (16.8 cu. in.)	3.7

[Product: P2500X](#)

Part No	Nominal holding force	Operating Pressure Range	Max. Cycles/Min. at 6 bar	Swept Volume Per Cycle	Weight (kg)
P2500X	2500 daN	2-6 bar (30-88 p.s.i.g.)	45	0.6L ³ (36.6 cu. in.)	7.4

2、 heavy duty pneumatic clamps

[Product: VA300BX](#)

Part No	Nominal holding force	Arm	Base	Weight (Kg)
VA300BX	300 daN	Adjustable	Front Mounting	2.20Kg

[Product: VA700CX](#)

Part No	Nominal holding force	Arm	Base	Weight (Kg)
VA700CX	700 daN	Fixed	Front mounting	4.50Kg

[Product: VA1200CX](#)

Part No	Nominal holding force	Arm	Base	Weight (Kg)
VA1200CX	1200 daN	Fixed	Front mounting	5.75Kg

[Product: VA2400CX](#)

Part No	Nominal holding force	Arm	Base	Weight (Kg)
VA2400CX	2400 daN	Fixed	Front mounting	8.65Kg

3、 pneumatic swing clamps

[Product: PNS20-10C PNS20-10A](#)

Part No	Swing	Max. Holding Force	Operating Pressure	Rotary Stroke	Clamping Stroke	Swept Volume Per Cycle	Weight (kg)
PNS20-10C Clockwise		20 daN	2 - 10 bar	9.5mm	10mm	0.01L	0.35
PNS20-10A Anti-clockwise		20 daN	2 - 10 bar	9.5mm	10mm	0.01L	0.35

[Product: PNS32-10C PNS32-10A](#)

Part No	Swing	Max. Holding Force	Operating Pressure	Rotary Stroke	Clamping Stroke	Swept Volume Per Cycle	Weight (kg)
PNS32-10C Clockwise		60 daN	2 - 10 bar	15mm	10mm	0.035L	0.7
PNS32-10A Anti-clockwise		60 daN	2 - 10 bar	15mm	10mm	0.035L	0.7

[Product: PNS40-20C PNS40-20A](#)

Part No	Swing	Max. Holding Force	Operating Pressure	Rotary Stroke	Clamping Stroke	Swept Volume Per Cycle	Weight (kg)

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PNS40-20C Clockwise	105 daN	2 - 10 bar	15mm	20mm	0.06L	0.84
PNS40-20A Anti-clockwise	105 daN	2 - 10 bar	15mm	20mm	0.06L	0.84

Product: PNS50-20C PNS50-20A

Part No	Swing	Max. Holding Force	Operating Pressure	Rotary Stroke	Clamping Stroke	Swept Volume Per Cycle	Weight (kg)
PNS50-20C Clockwise		160 daN	2 - 10 bar	19mm	20mm	0.14L	1.45
PNS50-20A Anti-clockwise		160 daN	2 - 10 bar	19mm	20mm	0.14L	1.45

Product: PNS63-20C PNS63-20A

Part No	Swing	Max. Holding Force	Operating Pressure	Rotary Stroke	Clamping Stroke	Swept Volume Per Cycle	Weight (kg)
PNS63-20C Clockwise		280 daN	2 - 10 bar	19mm	20mm	0.24L	1.87
PNS63-20A Anti-clockwise		280 daN	2 - 10 bar	19mm	20mm	0.24L	1.87

三、Industrial Presses

1、hand toggle presses

Product: P600PR

Extended (mm)	0	5	10	15	20	25	30	31	Full
Output Force	470	110	70	75	80	85	146	190	580

Product: P1200PR

Extended (mm)	0	5	10	15	20	25	30	35	40	45
Output Force	705	167	90	73	70	72	85	100	110	150

Product: P2500PR

Extended (mm)	0	10	20	30	40	50	60	70	72	74
Output Force	1000	100	72	60	70	88	118	190	230	353

Product: TPR1

Extended (mm)	0	5	10	15	20	25	30	35	38	39
Output Force	48	45	42	42	45	49	54	75	102	143

Product: TPR2

Extended (mm)	0	5	10	15	20	25	30	35	38	39
Output Force	76	74	65	65	72	80	98	125	200	255

Product: TPR3

Extended (mm)	0	5	10	15	20	25	30	35	38	39
Output Force	145	135	130	130	130	140	160	230	325	440

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2、 pneumatic toggle presses

Product: P600XPR

Extended (mm)	0	5	10	15	20	22	24	Full
Output Force	20	32	43	65	87	100	150	253

Product: P1200XPR

Extended (mm)	0	5	10	15	20	25	27	29	31	Full
Output Force	110	120	140	165	195	230	255	300	430	1150

Product: P2500XPR

Extended (mm)	0	5	10	15	20	25	30	35	40	45
Output Force	130	140	160	175	200	210	245	265	325	420

Product: PNPR1

Extended (mm)	0	5	10	15	20	25	30	33	34	Full
Output Force	100	120	130	140	155	170	220	290	360	600

Product: PNPD1

Capacity at 6 bar	2.5	kN
	150	kgf
Working Stroke	40	mm
Clearance	80	mm
Daulight	95-265	mm
Table Size	208x48	mm
T-Slot Width to DIN 650	12	mm
Ram Bore Diameter x Depth	12 ^{H7} x25	mm
Ram Diameter	24	mm
Space Required	155x220	mm
Port Size	¼	R

3、 rack and pinion presses

Product: RPP1

Capacity	1.5	kN
Working Stroke	150	kgf
Clearance	40	mm
Daulight	54-178	mm
Table Size	100x65	mm
T-Slot Width to DIN 650	10	mm



Ram Bore Diameter x Depth	10 ^{H7} x25	mm
Ram Diameter	20	mm
Space Required	110x160	mm

Product: RPP2

Capacity	2.5	kN
Working Stroke	250	kgf
Clearance	80	mm
Daulight	46-242	mm
Table Size	155x115	mm
T-Slot Width to DIN 650	12	mm
Ram Bore Diameter x Depth	10 ^{H7} x25	mm
Ram Diameter	20	mm
Space Required	155x220	mm

四、Clamp Accessories

Style: T Bar Assembly

Part No	For Use With	Set Screw	L1	L2	H1	H2	S	W
T250	H250 V250 V300	MB0860	125	95	20	2	15	9
T350	H350 V350	MB1085	145	110	24	2	19.5	11
T450	H450 V450 H700	MB12100	200	160	25	2	23.3	13

Style: Front Mounting Brackets

Part No	Fits Flanged Base Models
FM1	V75 V150 H75 CV75
FM2	V250 H150 H250 CV250
FM3	V350 V450 H350 H450 CV350

Style: Mounting Brackets

Part No	Fits Flanged Base Models
FM16	P100 P350
FM20	P200 P250 P550
FM24	P400 P450 P750

Style: Setscrews

Part No	Thread T	Length L	Fits Models
MB0420	M4	20	P50
MB0520	M5	20	H50
MB0535	M5	35	V75 H75 V100 CV75 V75X

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MB0625	M6	25	P100 P250 P350
MB0650	M6	50	V150 V200 H150 V150X
MB0840	M8	40	P200 P550 P600 P600LP600X
MB0860	M8	60	V250 V300 CV250 H250 V250X
MB1050	M10	50	P400 P450 P750 P1200 P1200L P1200X
MB1080	M10	80	V350 H350 CV350
MB1250	M12	50	P2500 P2500L P2500X
MB12100	M12	100	V450 V450X H450 H700 VA700 VA1200
MB1680	M16	80	P5000 P5000L
MB16150	M16	150	V550 VA2400

Style: Plain Spindles

Part No	Thread T	Length L	Fits Models
M0525	M5	25	H50
M0535	M5	35	V75 H75 V100 CV75 V75X
M0650	M6	50	V150 V200 H150 P250 P350
M0865	M8	65	V250 V300 CV250 P300 P550P600 P600L P600X P200
M1085	M10	85	V350 H350 CV350 P400 P450 P750 P1200 P1200L P1200X
M12100	M12	100	V450 V450X H450 H700 VA700 VA1200
M16150	M16	150	V550 VA2400

Style: Swivel Foot Spindles

Part No	Thread T	Length L	ØD ØDA	Fits Models
MS0535	M5	35	12 10	V75 H75 V100 CV75 V75X
MS0650	M6	50	12 10	V150 V200 H150 P250 P350
MS0865	M8	65	20 13	V250 V300 CV250 P300 P550P600 P600L P600X P200
MS1085	M10	85	20 15	V350 H350 CV350 P400 P450 P750 P1200 P1200L P1200X
MS12100	M12	100	25 20	V450 V450X H450 H700 VA700 VA1200
MS16150	M16	150	45 30	V550 VA2400

Style: Neoprene Tipped Spindles

Part No	Thread T	Length L	LA ØD ØDA	Fits Clamp Models
NTS0432	M4	32	9 8 11	P50
NTS0538	M5	38	10 10 13	H50 V75 H75 V100 CV75 V75X
NTS0645	M6	45	13 12 16	V150 V200 H150 P100 P250 P350
NTS0865	M8	63	16 16 21	V250 V300 CV250 P200 P300 P550 P600 P600L P600X
NTS1085	M10	86	20 22 27	V350 CV350 H350 P400 P450 P750 P1200 P1200L P1200X

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NTS12100 M12 100 24 24 30 V450 VA700 VA1200 H450 H700 V450X

Style: Neoprene Setscrew Covers

Part No	H	HA	ØD	ØDA	Fits Screw
NC/04	8	4	7	11	MB0420
NC/05	10	4	8	13	MB0525 MB0535
NC/06	12	4	11	15	MB0650
NC/08	15	6	13	19	MB0860
NC/10	18	7	16	23	MB1080
NC/12	20	7	19	26	MB1250 MB12100

Style: Neoprene Pads

Part No	Thread T	H	HA	ØD	ØDA	Ø	Fits Spindle
NP/05	-	10	1	-	12	-	M0525 M0535
NP/06	M6	14	4	11	15	11	M0650
NP/08	M8	18	6	13	19	15	M0865
NP/10	M10	21	7	16	23	17	M1085
NP/12	M12	23	7	19	26	21	M12100

Style: Plastic Covers

Part No	ØD	H	Fits Spindle
NPS/05/06	16	8	MS0535 MS0650
NPS/08/10	24	10	MS0865 MS1085
NPS/12	30	10	MS12100

Style: Flanged Washers

Part No	Thread T	W	ØDA	Fits Spindle
FW05/09	M5	9	13	H50
FW05/10	M5	10	15	H75 V75 V75X V100
FW06/12	M6	12	18	H150 V150 V150X V200
FW08/15	M8	15	22	H250 V250 V250X V300
FW10/20	M10	20	26	H350 V350
FW12/23	M12	23	32	H450 V450 V450X H700
FW16/27	M16	27	35	V550

Style: Spindle Retainers

Part No	Thread T	H	W	For Clamps With Type A Arm
R/08	M8	17.5	24	V250 H250 V300
R/10	M10	22	30	V350 H350
R/12	M12	26	32	V450 H450

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R/16 M16 32 35 V550

Style: Plastic Grips

Part No	H	W	WA	ØD	Fits Clamp Model
GR/01	45	4	8	-	H75 V75 CV75 V100 H100
GR/02	60	5	10	-	H150
GR/03	53	6	10	-	V150 LH200
GR/04	55	5	13	-	H200
GR/05	58	4	13	-	V200 P100
GR/06	85	6	15	-	V250 H250 CV250 V300 LH400 P200 P350
GR/07	65	6	16	-	H300
GR/08	60	5	13	-	P250
GR/09	105	8	17	-	V250 CV350 H350 P400 P450 P550 TC79
GR/10	95	10	22	-	V450 H450 LH700
GR/11	120	10	25	-	V550
GR/12	105	8	19	-	H700
GR/13	115	8	22	-	P750
BR/1	70	-	-	9.5	P600L
BR/2	75	-	-	12.7	P1200L
BR/3	100	-	-	16	P2500L
B7	90	-	-	19	VA700 P5000L
B12	100	-	-	22	VA1200
B24	100	-	-	25	VA2400