





SERIE LONG LIFE LONG LIFE SERIES

Gli attrezzi della serie Long life sono stati positivamente collaudati oltre 1.000.000 di cicli.

SERIE RINFORZATA A LUNGA DURATA: le parti forgiate a caldo, come pure i perni e le bussole temperate e rettificare, rendono questa serie adatta a carichi gravosi e ad una lunga vita d'esercizio.

MECCANISMO DI SNODO: gli accessori, quali braccio di serraggio e leva di comando, possono essere saldati in modo tale da soddisfare le richieste di utilizzo.

PECULIARITÀ E VANTAGGI: • Le leve di serraggio e di comando sono ricavate da stampaggio a caldo. • Tutti i perni sono temperati e rettificati e scorrono in analoghe bussole. • Impugnatura rossa, ergonomica, resistente agli olii. • La guida della leva di serraggio è registrabile.

IMPIEGHI: impiegati in lavori di serraggio con carichi medi e pesanti, su maschere di saldatura, lavori di carpenteria, stampi e generalmente dove sono richieste grandi forze di bloccaggio e forti ripetitività di movimenti.

MECCANISMI A GINOCCHIERA: stesse peculiarità ed applicazioni come le precedenti serie verticali rinforzate. Il disegno di questi meccanismi è più versatile perché è possibile saldare le differenti parti ed accessori e costruirsi il proprio attrezzo di serraggio per meglio soddisfare le esigenze di tutti i tipi di serraggio.

The clamps of Long life series have been successfully tested more than 1.000.000 cycles.

REINFORCED VERTICAL SERIES: drop forged parts, as well as hardened and ground pins and bushes, make this series fit for heavy duty and long service life.

TOGGLE MECHANISM: the accessories as clamping arm and handle, can be welded according the utilization requirements.

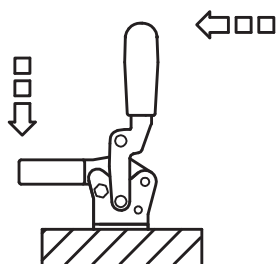
PECULIARITIES AND ADVANTAGES: • Clamping and operating levers are forged. • Hardened and ground pivots and bushes. • Red, oil resistant, ergonomic handles. • Adjustable clamping arm guide.

APPLICATIONS: For uses in medium and heavy duty clamping works, on welding jigs, carpentry works, moulds and generally when high forces and long life service are needed.

TOGGLE MECHANISM: Same peculiarities and applications as the previous vertical reinforced series. The design of these mechanisms is more versatile, being possible to weld the different parts and accessories and make up your clamp to better meet the requirements for all types of clamping needs.

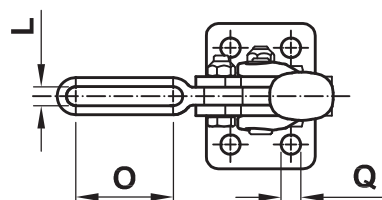
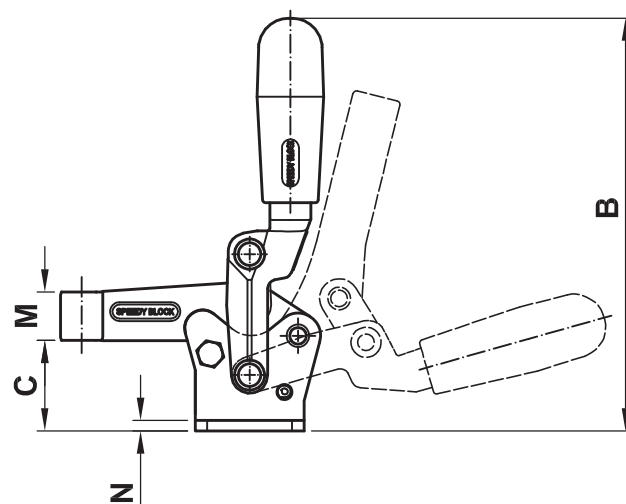
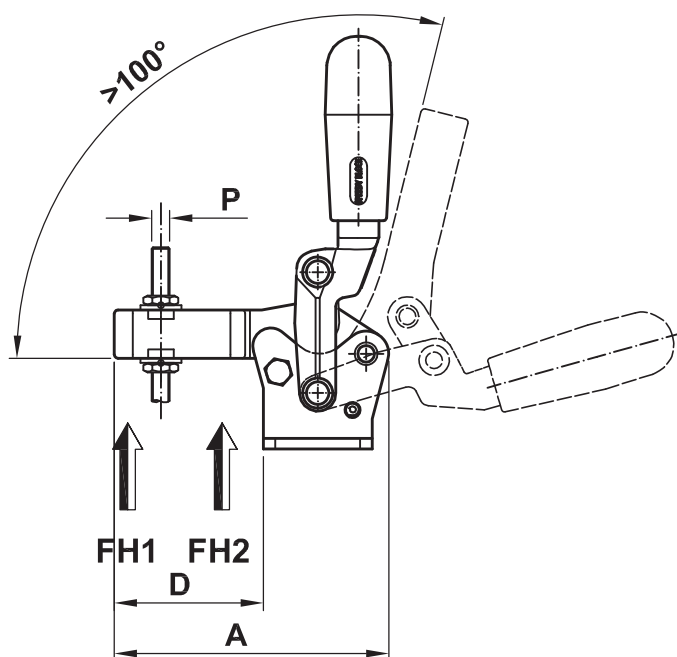


SERIE VERTICALE RINFORZATA REINFORCED VERTICAL SERIES

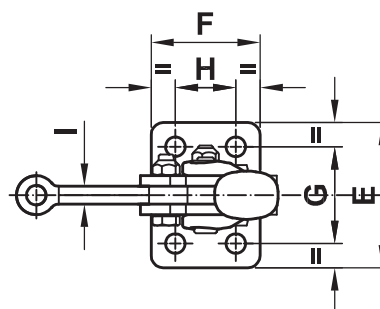


Le rondelle piegate (forma A) sono comprese nella fornitura. Le viti di pressione devono essere ordinate separatamente (vedi accessori a pag. 64).

Flanged washers (form A) have included in the supply. Spindles must be requested separately (see accessories at pag 64).



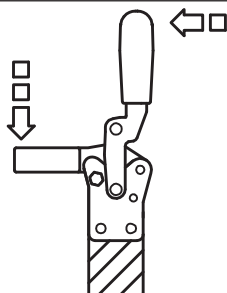
**FORMA
A
FORM**



**FORMA
E
FORM**

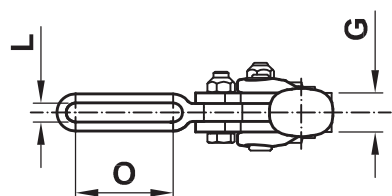
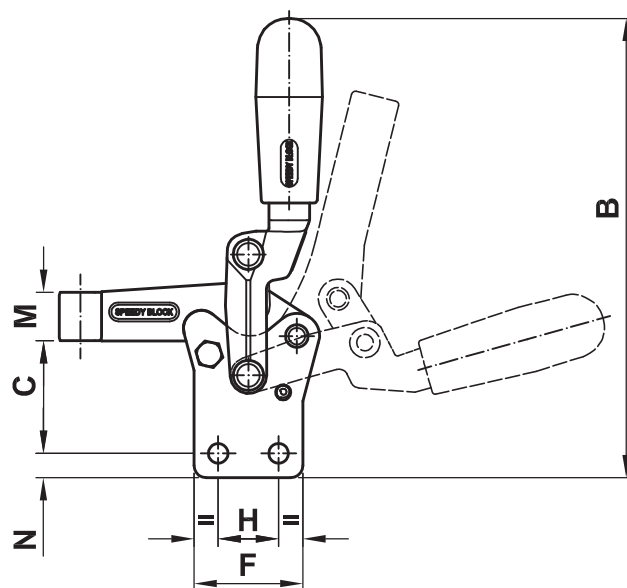
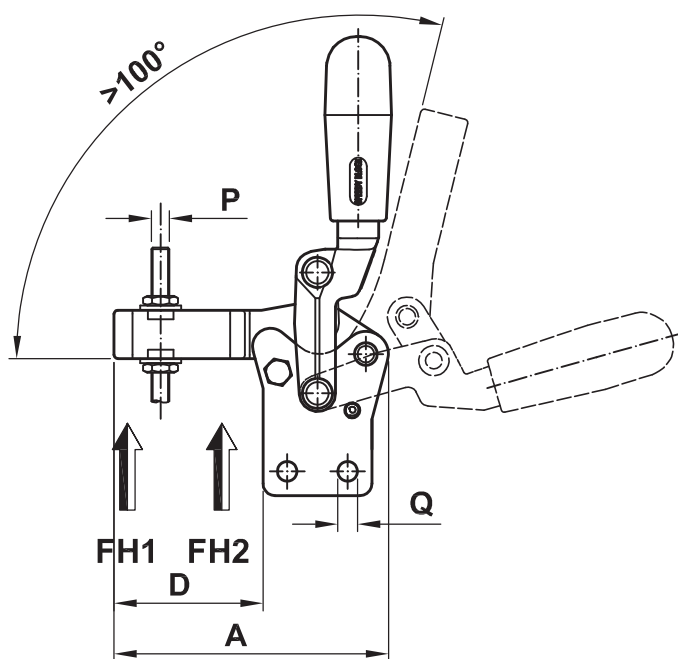
	A	B	C	D	E	F	G	H	I	L	M	N	O	P	Q	Fh1 (daN)	Fh2 (daN)	gr.
LLA01	91	136,5	30	49	48	36	32	20		6	16	3,5	32	M6	6,5	220	280	330
LLE01	86	136,5	30	44	48	36	32	20	6		16	3,5		M6	6,5	220	280	325
LLA02	129,5	215	50	64	65	54	45	30		10	24	5	34	M10	8,5	440	820	1200
LLE02	129,5	215	50	64	65	54	45	30	10		24	5		M10	8,5	440	820	1200
LLE03	161	280	67	74	75	75	55	55	12		30	6		M12	10,5	850		1200

SERIE VERTICALE RINFORZATA REINFORCED VERTICAL SERIES

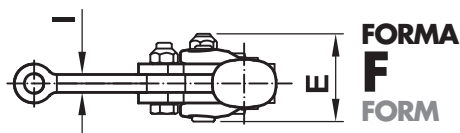


Le rondelle piegate (forma B) sono comprese nella fornitura. Le viti di pressione devono essere ordinate separatamente (vedi accessori a pag. 64).

Flanged washers (form B) have included in the supply. Spindles must be requested separately (see accessories at pag 64).



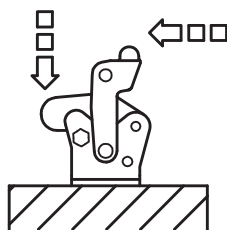
FORMA B
FORM



FORMA F
FORM

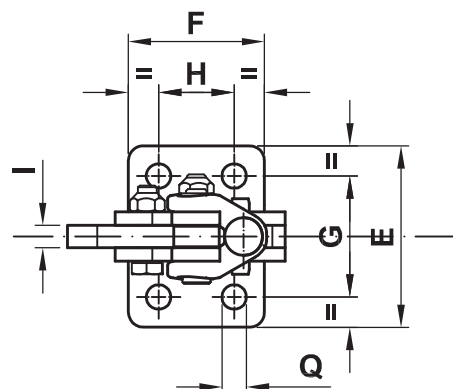
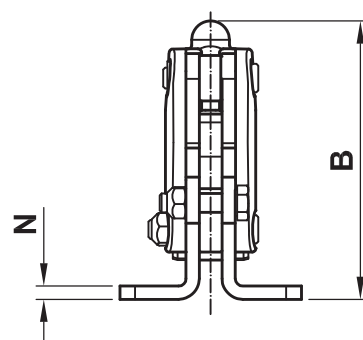
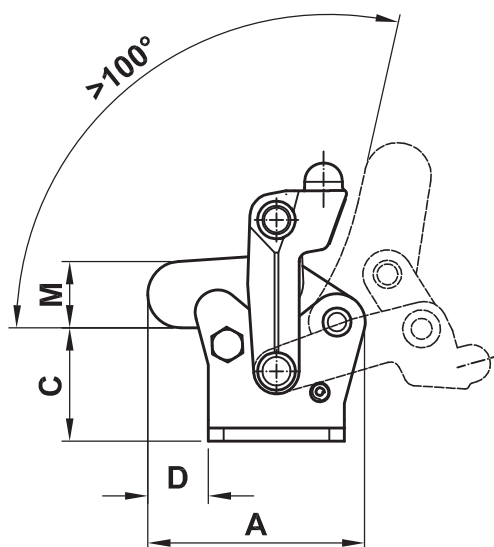
	A	B	C	D	E	F	G	H	I	L	M	N	O	P	Q	Fh1 (daN)	Fh2 (daN)	gr.
LLB01	91	152	37,5	49	29	36	13	20		6	16	8	32	M6	6,5	220	280	330
LLF01	86	152	37,5	44	29	36	13	20	6		16	8		M6	6,5	220	280	325
LLB02	129,5	235	59,5	64	42,5	54	20	30		10	24	10	34	M10	8,5	440	820	1200
LLF02	129,5	235	59,5	64	42,5	54	20	30	10		24	10		M10	8,5	440	820	1200
LLF03	161	301	78	74	52	75	24	55	12		30	10		M12	10,5	850		1200

MECCANISMI A GINOCCHIERA TOGGLE MECHANISM

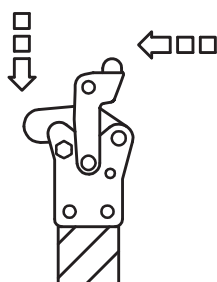


Gli accessori per queste serie si trovano a pag. 24.

The accessories for this series are at pag. 24.

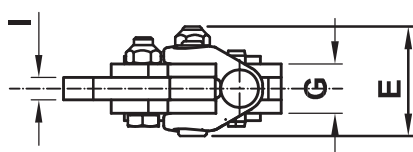
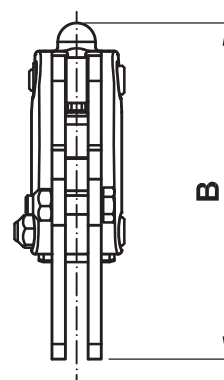
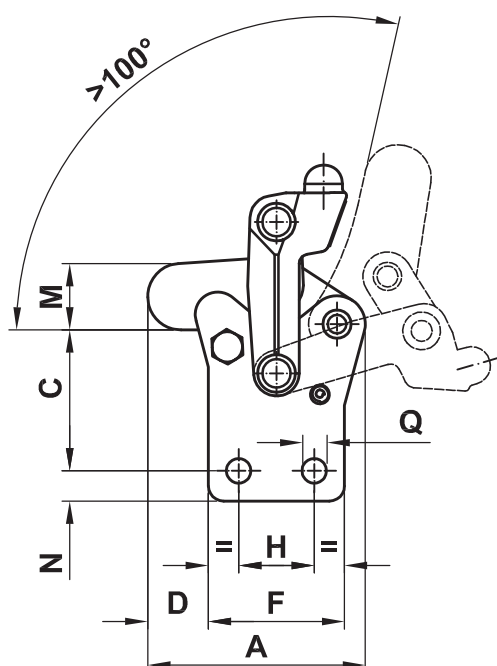


	A	B	C	D	E	F	G	H	I	M	N	Q	Fh (daN)	gr.
LSC01	57,5	74	30	16	48	36	32	20	6	17,5	3,5	6,5	220	256
LSC02	85,5	121	50	20	65	54	45	30	10	28	5	8,5	440	967
LSC03	115	158	67	28	75	75	55	55	12	35	6	10,5	850	1900



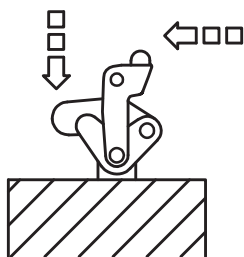
Gli accessori per queste serie si trovano a pag. 24 .

The accessories for this series are at pag. 24.



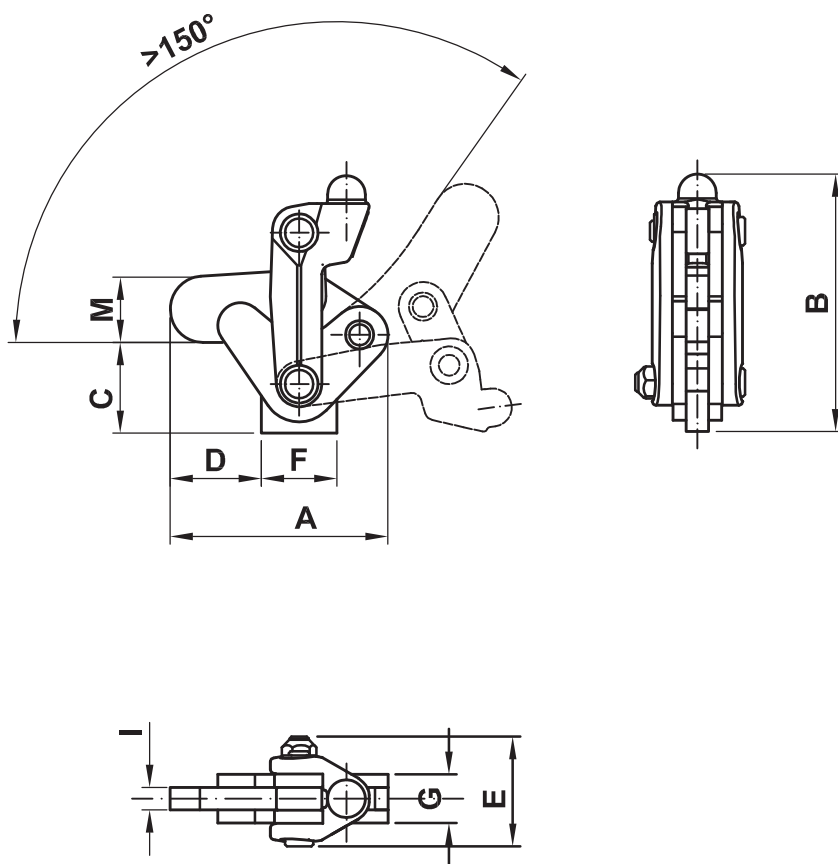
	A	B	C	D	E	F	G	H	I	M	N	Q	Fh (daN)	gr.
LSG01	57,5	89	37,5	16	29	36	13	20	6	17,5	8	6,5	220	256
LSG02	85,5	140,5	59,5	20	42,5	54	20	30	10	28	10	8,5	440	967
LSG03	115	180	78	28	52	75	24	55	12	35	10	10,5	850	1900

MECCANISMI A GINOCCHIERA TOGGLE MECHANISM



Gli accessori per queste serie si trovano a pag. 24.

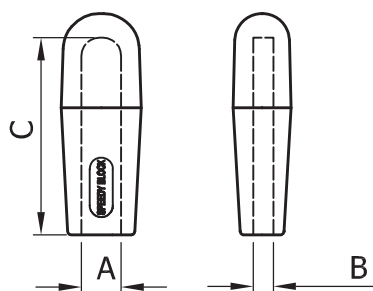
The accessories for this series are at pag. 24.



	A	B	C	D	E	F	G	I	M	Fh (daN)	gr.
LSH01	57,5	68	24	24	29	20	13	6	17,5	220	268
LSH02	85,5	113	42	32	42,5	30	20	10	28	440	820
LSH03	115	148	57	40,5	52	50	24	12	35	850	1600

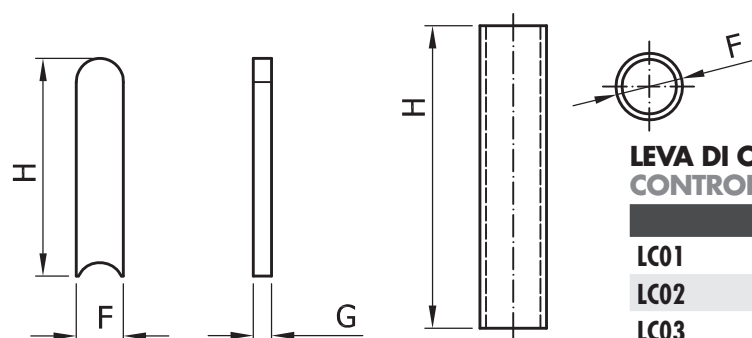


SERIE LONG LIFE ACCESSORI LONG LIFE SERIES ACCESSORIES



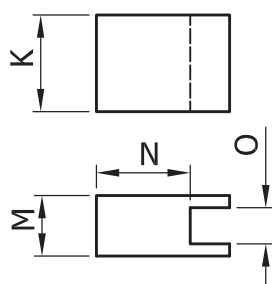
IMPUGNATURA HANDGRIP

	A	B	C	gr.
10151	13	5	55	12
10154	20	18	77	34
10156	22		122	50



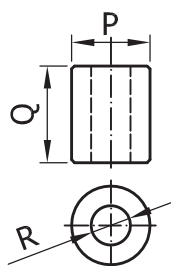
LEVA DI COMANDO CONTROL LEVER

	F	G	H	gr.
LC01	13	5	60	31
LC02	20	8	90	108
LC03	22		122	122



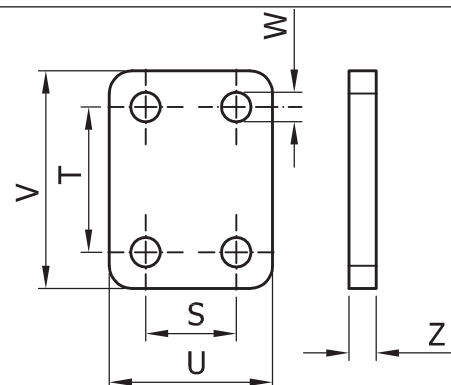
LEVA DI SERRAGGIO CLAMPING LEVER

	K	M	N	O	gr.
LS01	16	10	15,5	6	23
LS02	24	15	15	10	75,5
LS03	30	20	22,1	12	130



MANICOTTO SLEEVE

	P	Q	R	gr.
LM01	13	16	6,5	13
LM02	20	24	10,5	42
LM03	24	30	12,5	76



BASE BASE PLATE

	S	T	U	V	W	Z	gr.
PB01	20	32	36	48	6,5	6	74
PB02	30	45	54	65	8,5	8	205
PB03	55	55	75	75	10,5	10	400

