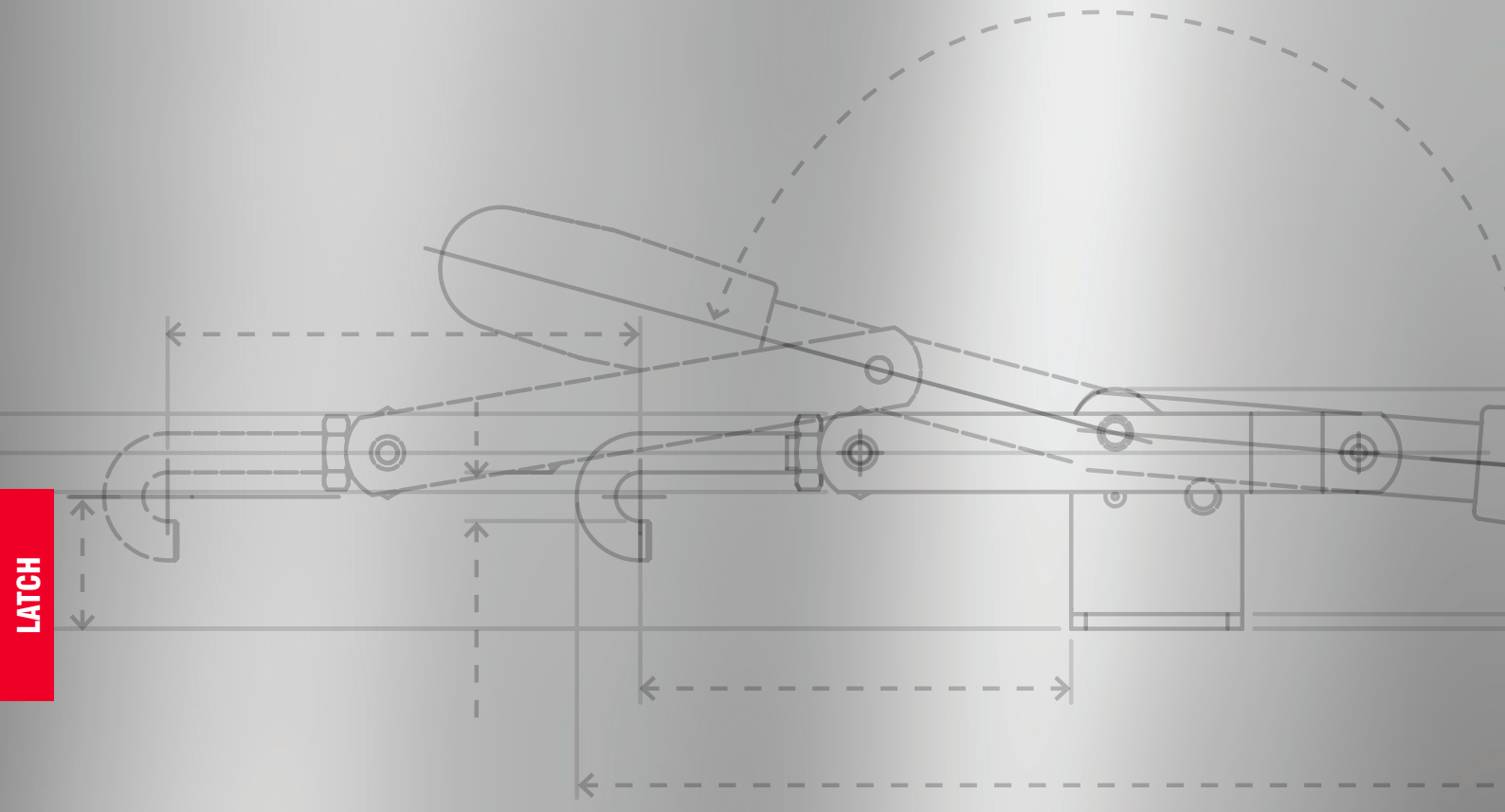
LATCH SERIES



Here you can download
2D and 3D CAD drawings
of all products.

The tie rod clamping tools are characterized by a circular movement of the control lever that transforms into a linear movement of the tie rod. These products are mostly used in closing hinged lids, for container boxes or for machine and equipment doors.

LIGHT SERIES: It has holding forces from 160 to 1000 daN. They are available in galvanized steel and stainless steel.

HEAVY-DUTY SERIES: It has holding forces from 1700 to 4000 daN. They are available in hot-stamped, painted, phosphated or stainless steel.

HIGH TEMPERATURE SERIES:
It has retention forces of 1500 daN.
These tools are free of plastic parts and with the appropriate modifications compared to the light series models (couplings with different tolerances, changes in geometries, different finishes, etc. ,etc.) that make them suitable for use in environments that can reach 240-300 °C. The products are made of raw steel. They are normally used in the rotational moulding of plastic and require a type of clamping capable of working safely and quickly at high temperatures without uncertainties in closing and opening.

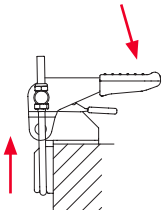
TOGGLE LATCHES: The ET-EG-ETL-EGL models represent a compact version of the lightweight series. They are normally used for closing lids or light doors. Thanks to the possibility of inserting a padlock, they can be used as anti-intrusion security locks.

TIE RODS: they can be single (eyebolt, T-shaped and hook-shaped) or double. All the tie rods are adjustable within the stroke (dimension D).

BASIC TYPES: The support base is parallel to the line of action of the force. In the closed position, the control lever is parallel to the support base. T - TF - TL - TFL - T2- T5 - T6.

The support base is perpendicular to the line of action of the force. In the closed position, the control lever is parallel to the support base. T3.

The support base is perpendicular to the line of action of the force. In the closed position, the control lever is perpendicular to the support base. T4.



T3L/T3LX - T3L0/T3L0X

DOUBLE TIE ROD TOGGLE CLAMPS, WITH SAFETY LEVER

Base, control lever, riveted pins, hooking bracket and tie rod:
Galvanized steel (T3L-T3L0) or **AISI 304 stainless steel** (T3LX-T3L0X).

Swinging pivot and nuts:
Galvanized steel (T3L-T3L0) or **AISI 303 stainless steel** (T3LX T3L0X).

Handle:
Red polyurethane; resistant to oils, greases and other chemical agents.

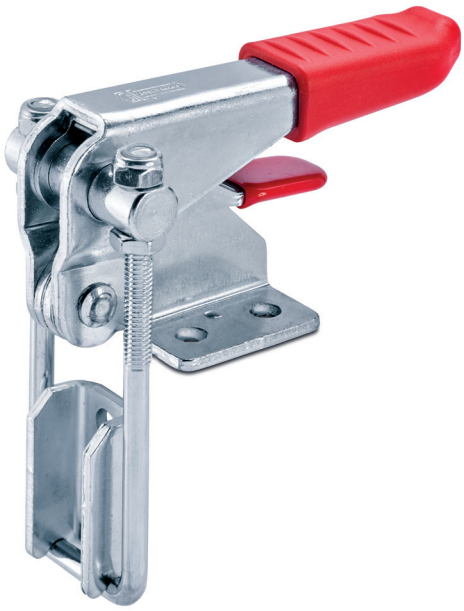
Safety lever:
Galvanized steel (T3L-T3L0) or **AISI 304 stainless steel** (T3LX- T3L0X), red polyurethane coating.

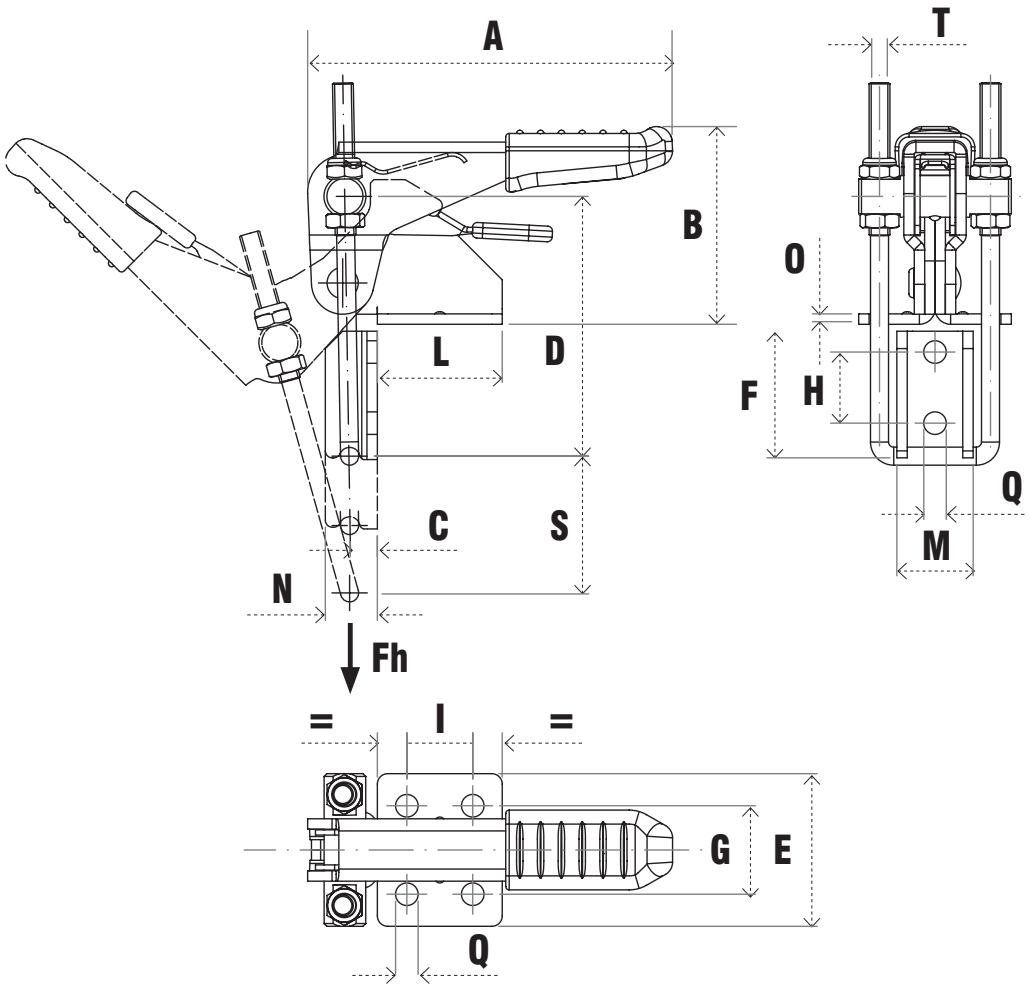
Executions:
- **T3L-T3LX:** equipped with double threaded tie rod with nuts, swinging pivot and hooking bracket.
- **T3L0-T3L0X:** equipped with swinging pivot and hooking bracket. Double tie rod to be ordered separately (see Accessories).

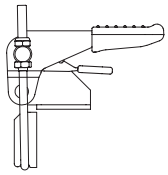
Features and applications:
These tools are particularly suitable for closing machine covers or doors.
The position of the threaded tie rod can be adjusted within a certain range (see dimension “D”) to fit the requirements of use.
The support base is perpendicular to the line of action of the force. In the closed position, the control lever is parallel to the support base.
A special grease is placed between the contacting surfaces during assembly.

Accessories:
- Tie rods of different sizes (see page 145).

T3L

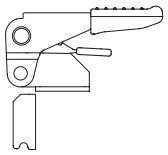






T3L/T3LX

Tool provided with standard size tie rod.



T3L0/T3L0X

Tool supplied without tie rod. Match with tie rods of different sizes (see page 145).

Code	Description	A	B	C	D	E	F	G	H	I	L	M	N	O	Q	S	T	Fh (daN)	Gr.
AL636	160/T3L	68	37	5	49.5÷58	35	25.5	22	14.3	13	26	14	10	2	4.3	22÷29	M4	160	113
AL640	320/T3L	106	53	8	75÷95	44	37	25.5	20.5	19	36	22	15	3	6.5	39÷49	M6	320	347
AL644	700/T3L	147	66	13	98÷122	54	48.5	36.5	27	32	52	26	23	3.5	8.5	50÷62	M8	750	759
AL638	160/T3L0	68	37	5		35	25.5	22	14.3	13	26	14	10	2	4.3		M4	160	104
AL642	320/T3L0	106	53	8		44	37	25.5	20.5	19	36	22	15	3	6.5		M6	320	310
AL646	700/T3L0	147	66	13		54	48.5	36.5	27	32	52	26	23	3.5	8.5		M8	750	704

INOX STAINLESS STEEL

Code	Description	A	B	C	D	E	F	G	H	I	L	M	N	O	Q	S	T	Fh (daN)	Gr.
AS654	160/T3LX	68	37	5	49.5÷58	35	25.5	22	14.3	13	26	14	10	2	4.3	22÷29	M4	160	113
AS658	320/T3LX	106	53	8	75÷95	44	37	25.5	20.5	19	36	22	15	3	6.5	39÷49	M6	320	347
AS662	700/T3LX	147	66	13	98÷122	54	48.5	36.5	27	32	52	26	23	3.5	8.5	50÷62	M8	750	759
AS656	160/T3L0X	68	37	5		35	25.5	22	14.3	13	26	14	10	2	4.3		M4	160	104
AS660	320/T3L0X	106	53	8		44	37	25.5	20.5	19	36	22	15	3	6.5		M6	320	310
AS664	700/T3L0X	147	66	13		54	48.5	36.5	27	32	52	26	23	3.5	8.5		M8	750	704