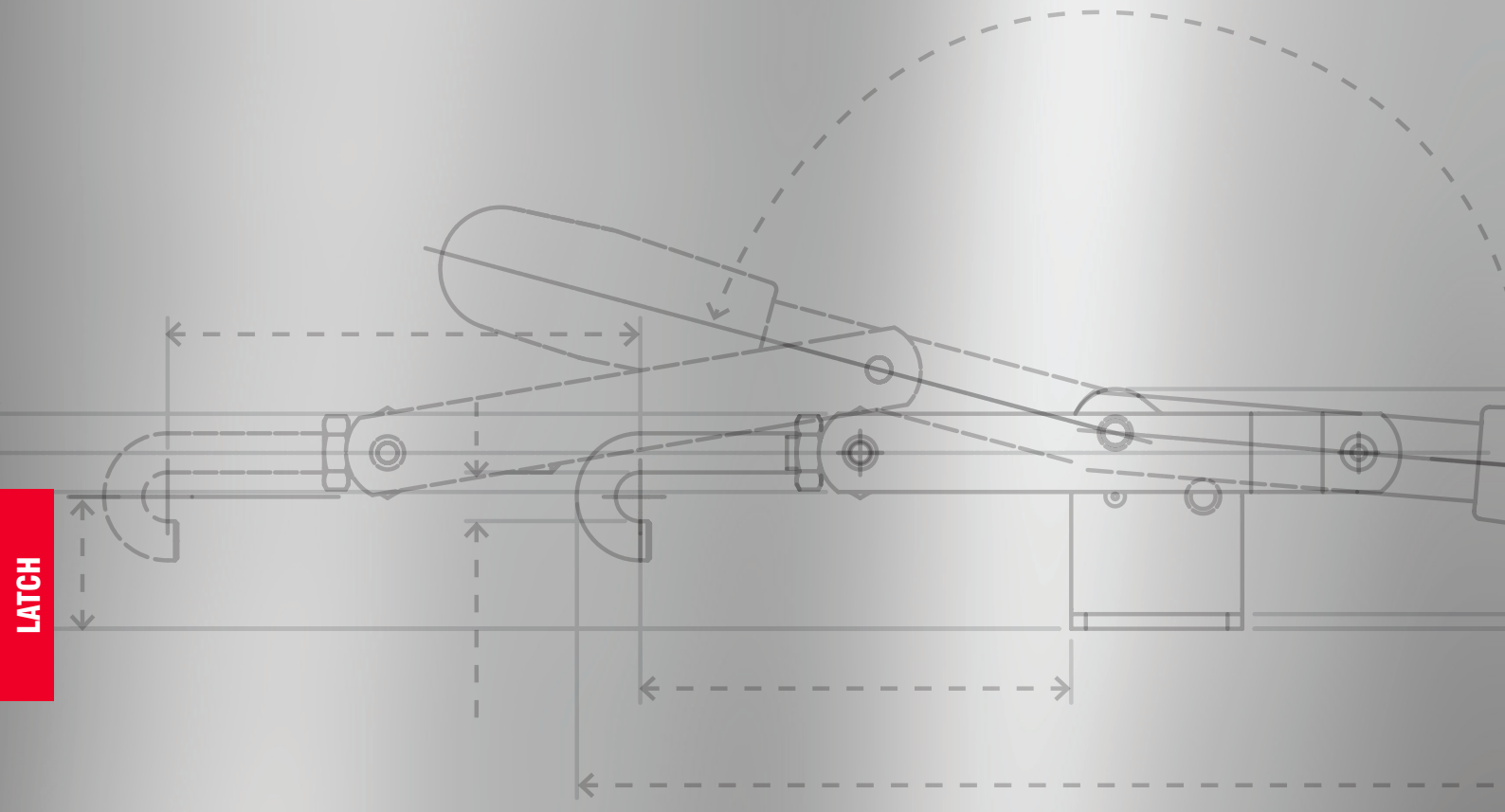
LATCH SERIES



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.

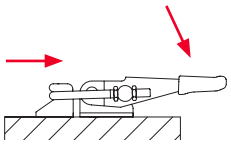
TOGGLE LATCHES: The ET-EG-ETL-EGL models represent a compact version of the lightweight series. They are normally used for closing lids or light doors. Thanks to the possibility of inserting a padlock, they can be used as anti-intrusion security locks.

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.



T2/T2X - T20/T20X

DOUBLE TIE ROD TOGGLE CLAMPS

Base, control lever, riveted pins, hooking bracket:
Galvanized steel (T2-T20) or **AISI 304 stainless steel** (T2X-T20X).

Swinging pivot and nuts:
Galvanized steel (T2-T20) or **AISI 303 stainless steel** (T2X-T20X).

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

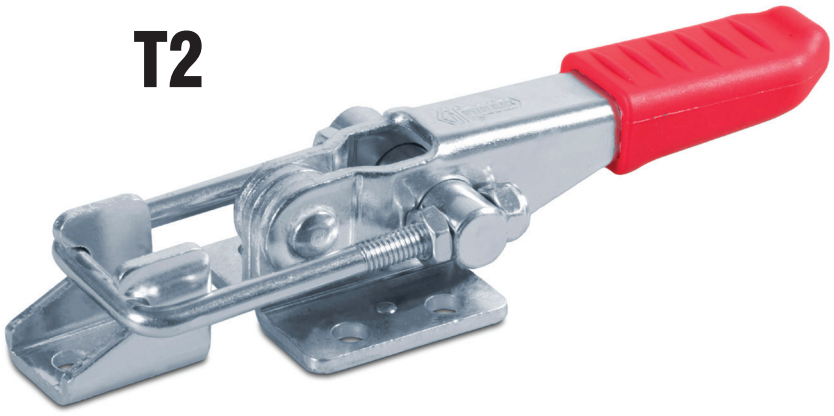
Executions:
- **T2-T2X:** equipped with double threaded tie rod with nuts, swinging pivot and hooking bracket.
- **T20-T20X:** equipped with swinging pivot and hooking bracket. Double tie rod to be ordered separately (see Accessories).

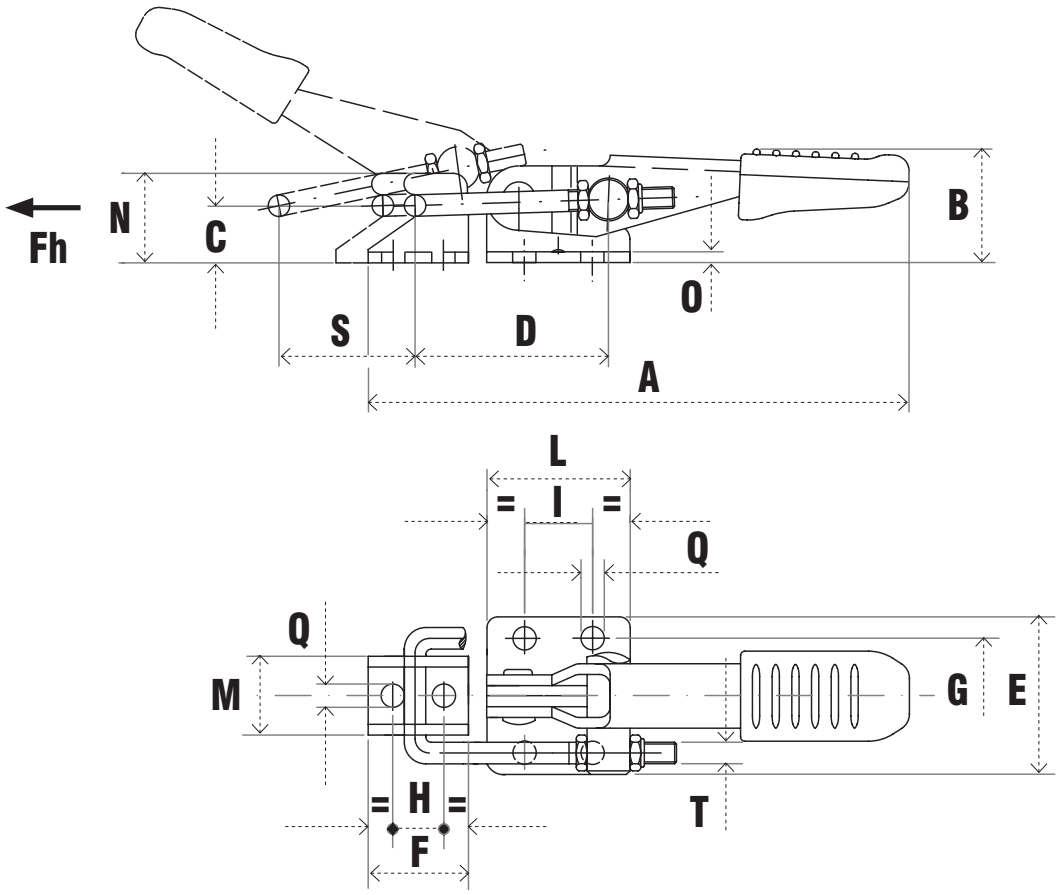
Features and applications:
These tools are particularly suitable for closing machine covers or doors.
The position of the threaded tie rod can be adjusted within a certain range (see dimension “D”) to fit the requirements of use.
The support base is parallel to the line of action of the force. In the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

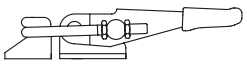
Other available executions:
Series with safety lever, heavy series.

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

T2

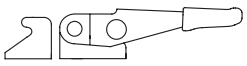






T2/T2X

Tool provided with standard size tie rod.



T20/T20X

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.
AL500	160/T2	99	26	12	35÷44	28	20	19	10	16	26	14	18	2	4.3	25÷27.5	M4	160	85
AL505	320/T2	152	32	16	54÷63	44	28	32	14.3	19	40	22	25	3	6.5	34÷41	M6	320	250
AL510	700/T2	224	42	24	70÷90	54	38	38	19	41.5	60	26	36	3.5	8.5	43÷54	M8	750	600
AL512	160/T20		26	12		28	20	19	10	16	26	14	18	2	4.3		M4	160	72
AL514	320/T20		32	16		44	28	32	14.3	19	40	22	25	3	6.5		M6	320	225
AL516	700/T20		42	24		54	38	38	19	41.5	60	26	36	3.5	8.5		M8	750	530

INOX STAINLESS STEEL

Code	Description	A	B	C	D	E	F	G	H	I	L	M	N	O	Q	S	T	Fh (daN)	Gr.
AS500	160/T2X	99	26	12	35÷44	28	20	19	10	16	26	14	18	2	4.3	25÷27.5	M4	160	85
AS505	320/T2X	152	32	16	54÷63	44	28	32	14.3	19	40	22	25	3	6.5	34÷41	M6	320	250
AS510	700/T2X	224	42	24	70÷90	54	38	38	19	41.5	60	26	36	3.5	8.5	43÷54	M8	750	600
AS512	160/T20X		26	12		28	20	19	10	16	26	14	18	2	4.3		M4	160	73
AS514	320/T20X		32	16		44	28	32	14.3	19	40	22	25	3	6.5		M6	320	227
AS516	700/T20X		42	24		54	38	38	19	41.5	60	26	36	3.5	8.5		M8	750	538