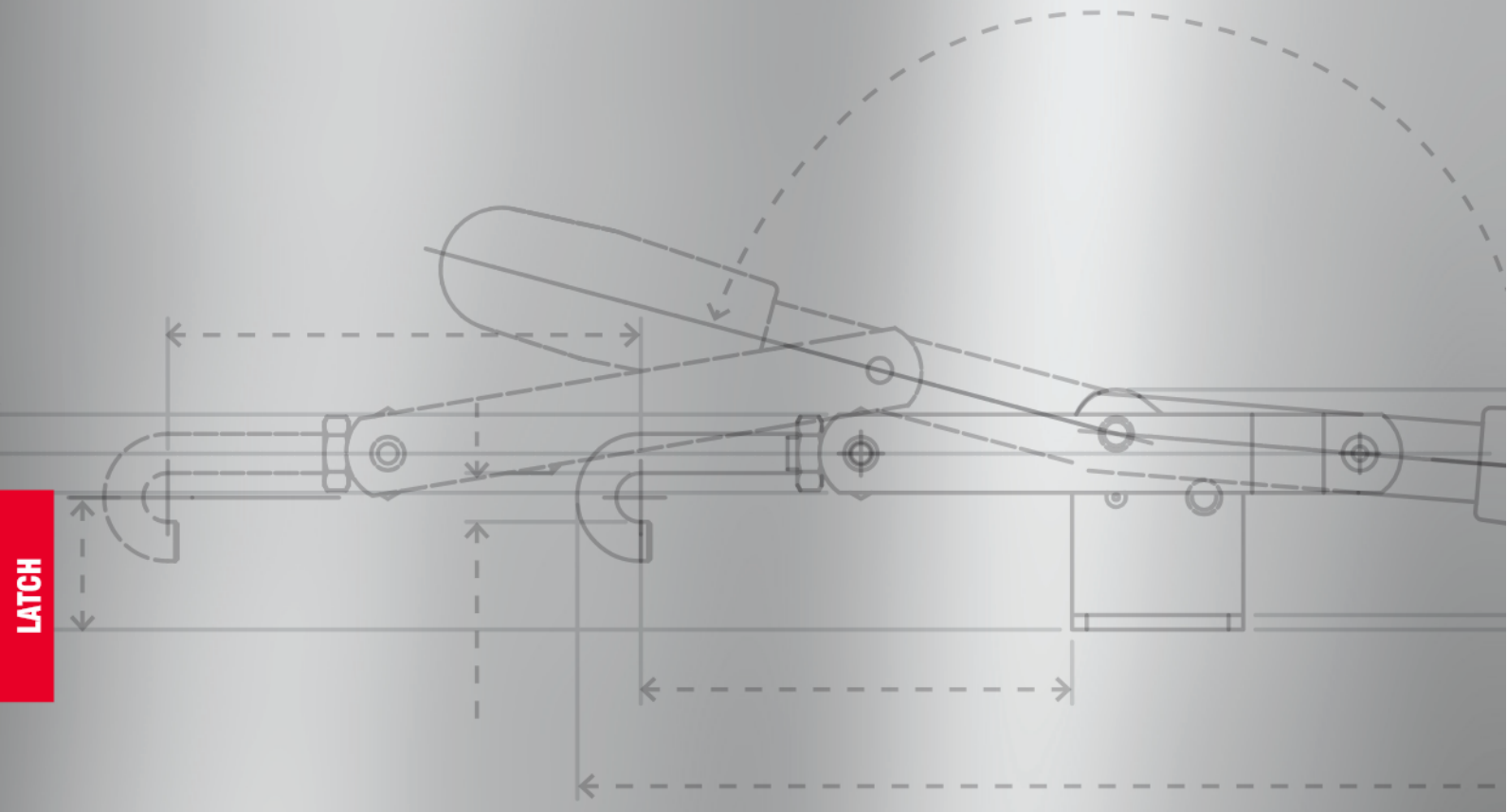
LATCH SERIES



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.

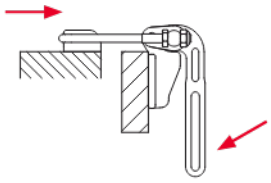
TOGGLE LATCHES: The ET-EG-ETL-EGL models represent a compact version of the lightweight series. They are normally used for closing lids or light doors. Thanks to the possibility of inserting a padlock, they can be used as anti-intrusion security locks.

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.



T3/T3S - T30/T3S0

DOUBLE TIE ROD TOGGLE CLAMPS, HEAVY-DUTY SERIES

Base, control lever and hooking bracket:
Hot stamped steel, manganese phosphate steel, weldable.

Base-handle pivot:
Hardened, ground and knurled steel to prevent rotation.

Tie rod, swinging pivot and nuts:
Galvanized steel.

Executions:
- **T3-T3S:** equipped with double threaded tie rod with nuts, swinging pivot and hooking bracket.
- **T30-T3S0:** equipped with swinging pivot and hooking bracket. Double tie rod to be ordered separately (see Accessories).

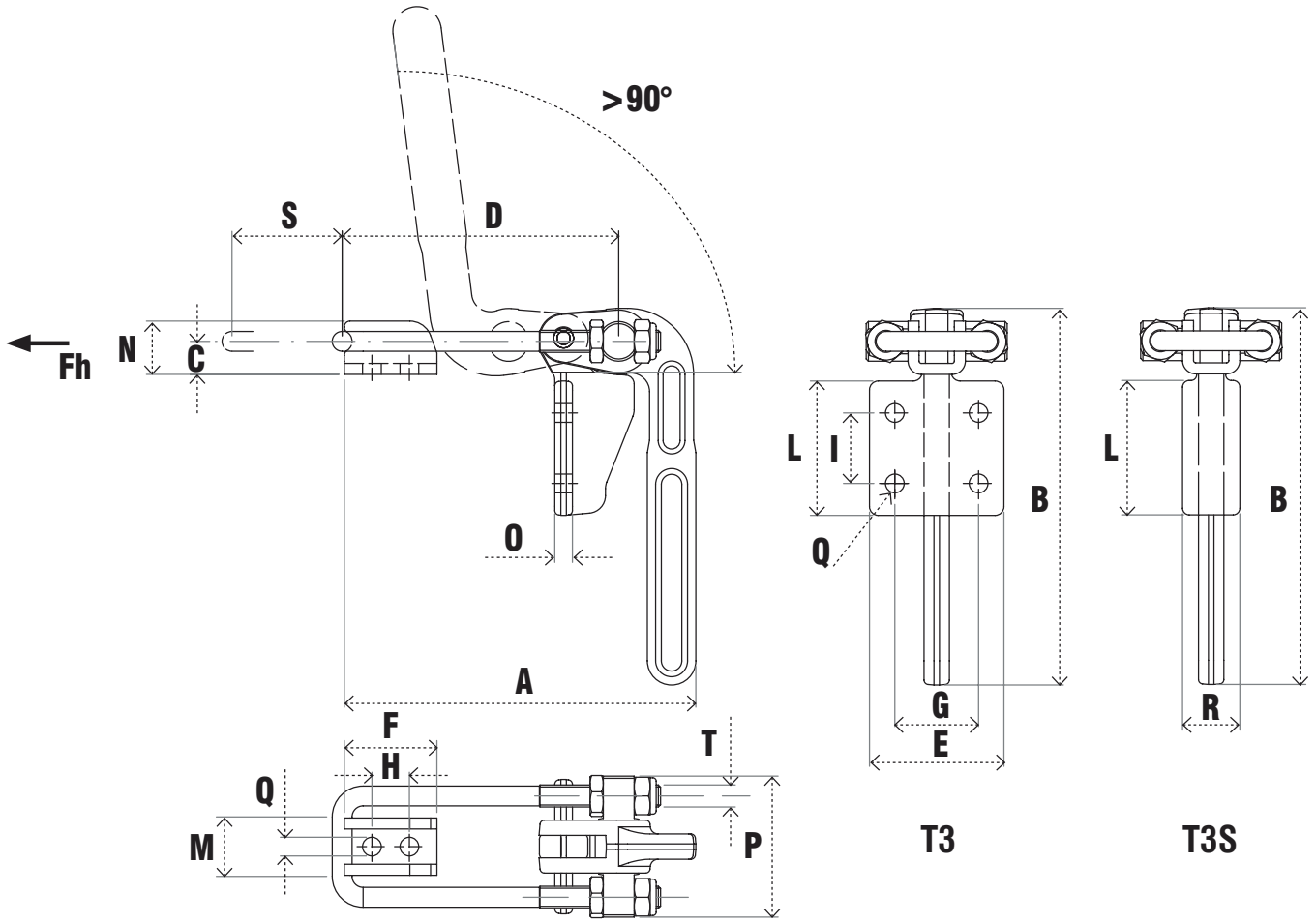
Features and applications:
These tools are particularly suitable for closing machine covers or doors.
The construction features and the materials used give these tools high resistance, making them suitable for particularly heavy-duty uses.
The position of the threaded tie rod can be adjusted within a 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.

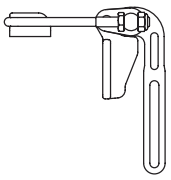
Other available executions:
Series with safety lever, light series.

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

T3

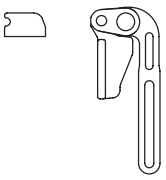
T3S





T3/T3S

Tool provided with standard size tie rod.



T30/T3S0

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	P	Q	S	T	Fh (daN)	Gr.
AL550	1400/T3	159.5	171	15	104.5 ÷ 125.5	61	42	38	17	32	61	26	24	8	64	8.5	50	M10	1200	1235
AL554	1400/T30		171	15		61	42	38	17	32	61	26	24	8	64	8.5		M10	1200	945

Code	Description	A	B	C	D	E	F	H	L	M	N	O	P	Q	R	S	T	Fh (daN)	Gr.
AL552	1400/T3S	159.5	171	15	104.5 ÷ 125.5		42	17	61	26	24	8	64	8.5	26	50	M10	1200	1115
AL556	1400/T3S0		171	15			42	17	61	26	24	8	64	8.5	26		M10	1200	828