



Manual toggle presses from 500 to 2,000 kg



Toggle presses

5HR - 7HR - 15HR - 20HR 15HR LP - 20HR LP

The maximum power is obtained at the end of travel according to the applied load on the lever.

These presses are robust, accurate, flexible and ergonomic. These are frequently used for assembly, connection of rings or bearings, small forms, various crimping operations, etc...

- *Slider adjusted and locked for rotation, ensuring longevity and precision.*
- *Automatic raising of slider by spring*
- *Quick and reliable adjustment of the clear height.*
- *Accurate adjustment of bottom dead center by a mechanical stop ensuring the repetitiveness of the cycle.*
- *Base support and press head made of FGL 250 cast iron, thus ensuring robustness and rigidity.*
- *No maintenance, no greasing.*
- *Option for fixation on a bench.*
- *Paint: Light blue RAL 5015 frame - Platinum grey RAL 7036 press head*

1 - Manual toggle presses from 500 to 2,000 kg

Technical characteristics:

	5HR	7HR	15HR	20HR
Power (kg)	500	700	1 500	2 000
Travel (mm)	50	40	30 or 60	60
Adjustable clear height (mm)	42 to 185	35 to 260	60 to 250	120 to 280
Swan-neck depth (mm)	72	95	102	130
Slider bore (mm)	10H7x24	16H7x26	16H7x26	16H7x26
Table bore	14H7	14H7	32H7	32H7
Table (mm)	100x70	160x145	200x180	220x200
Max. angle of rotation of the lever	90°	90°	90°	90°
Weight (kg)	9	25	32	65



2 - High force capacity manual toggle presses

Technical characteristics:

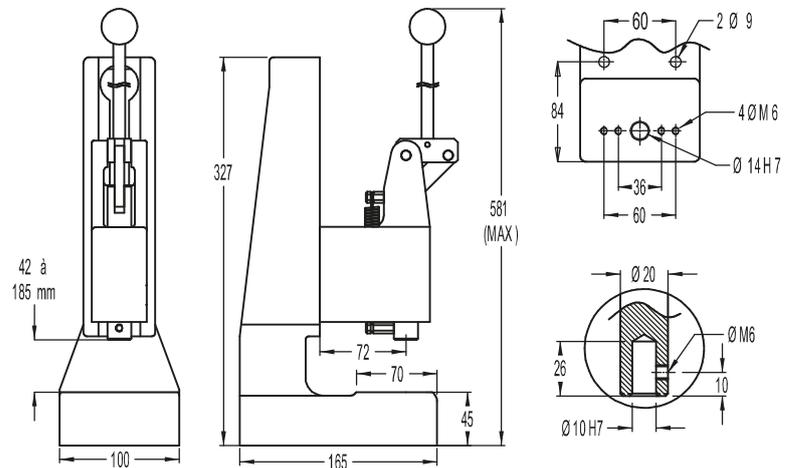
	15HR LP	20HR LP
Power (kg)	1 500	2 000
Travel (mm)	30 or 60	60
Adjustable clear height (mm)	220 to 280	230 to 290
Swan-neck depth (mm)	220	250
Slider bore (mm)	16H7 x 26	16H7 x 26
Table bore	32H7	32H7
Table (mm)	200 x 250	200 x 300
Max. angle of rotation of the lever	90°	90°
Weight (kg)	55	70



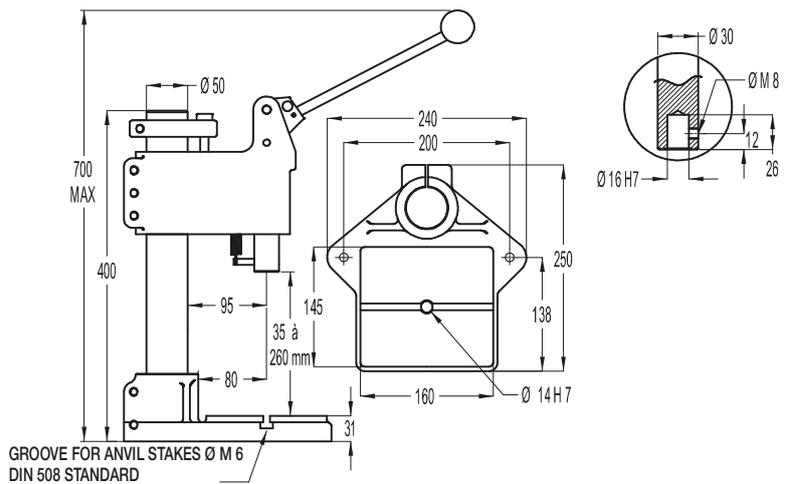
+
of clear
height
+
of swan-neck

1 - Manual toggle presses from 500 to 2,000 kg

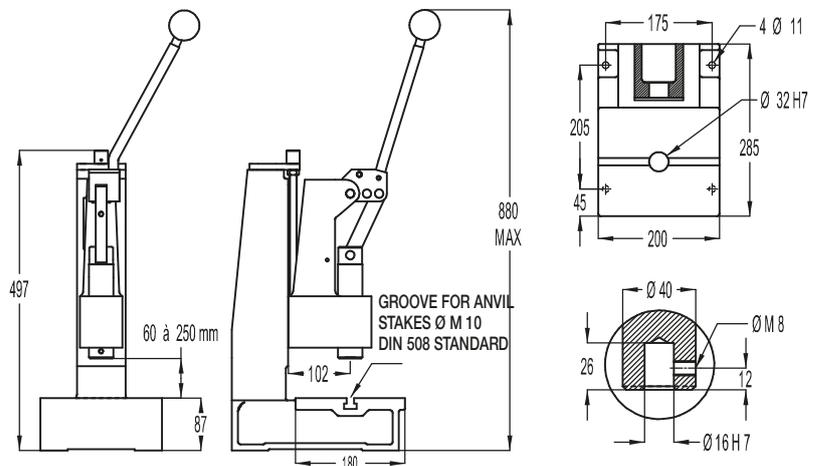
5HR



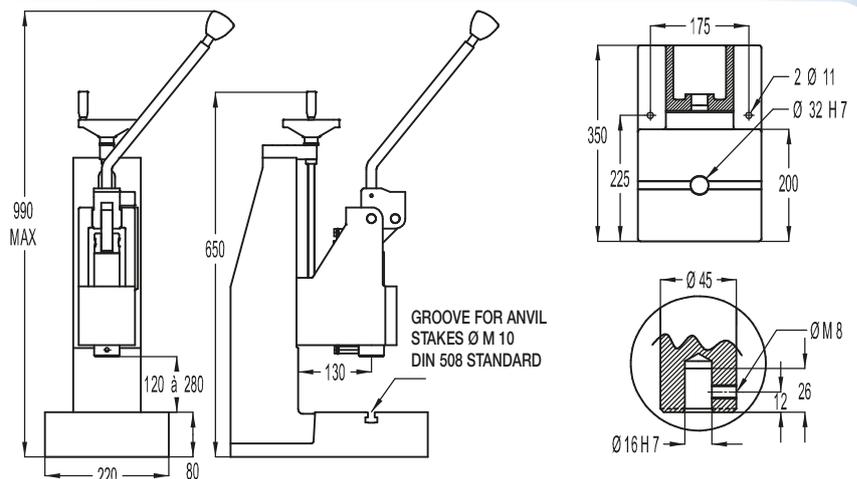
7HR



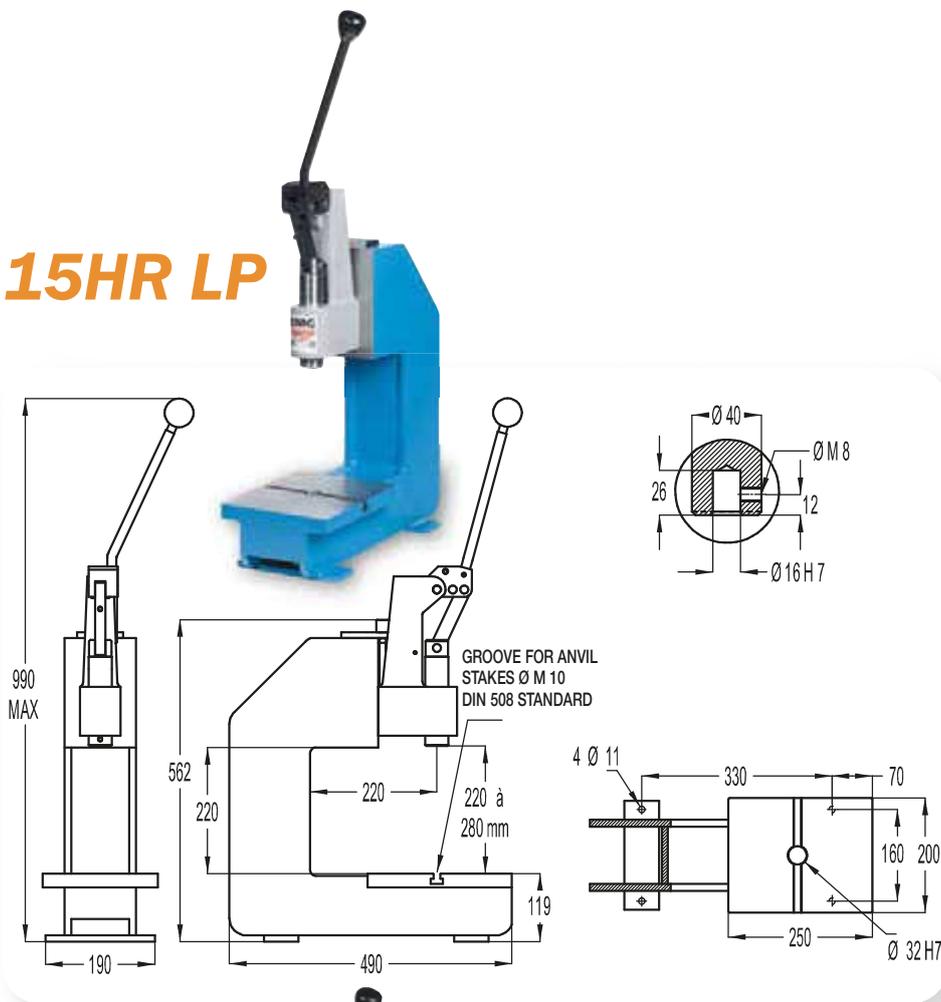
15HR



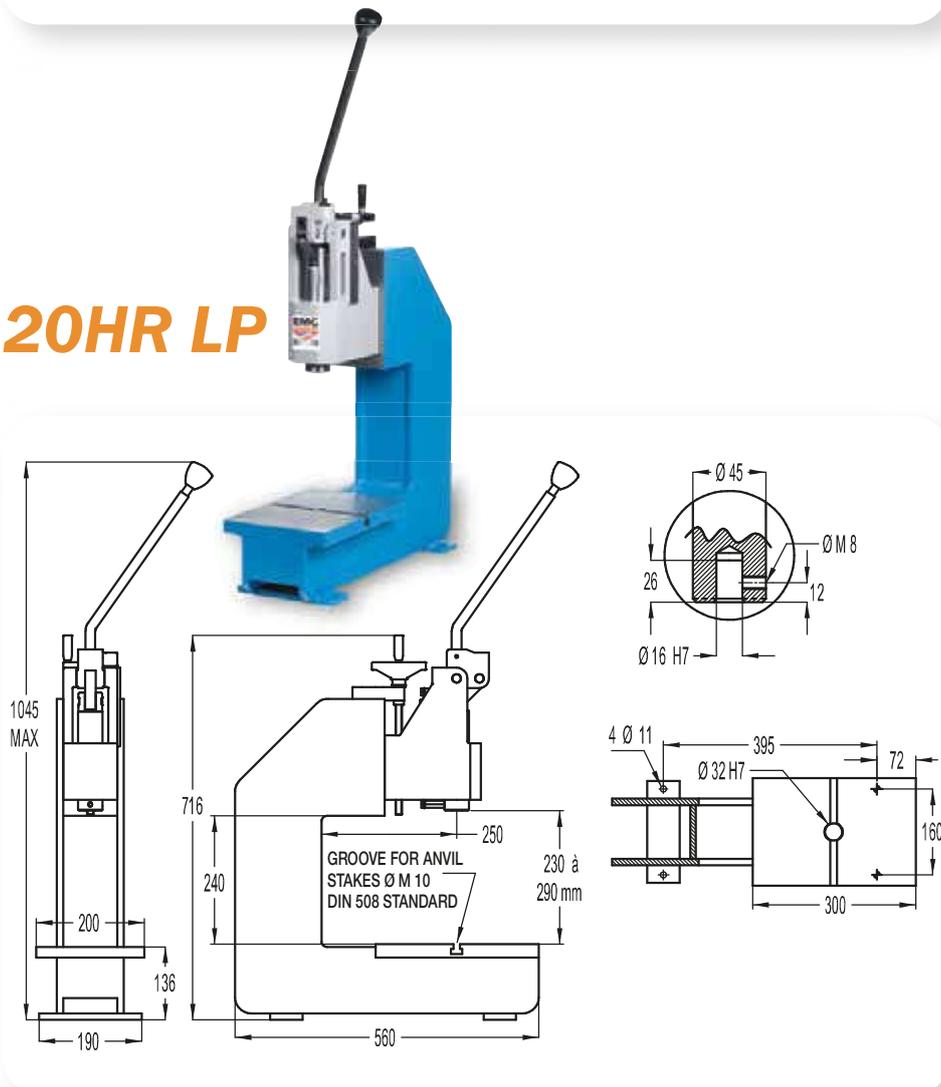
20HR



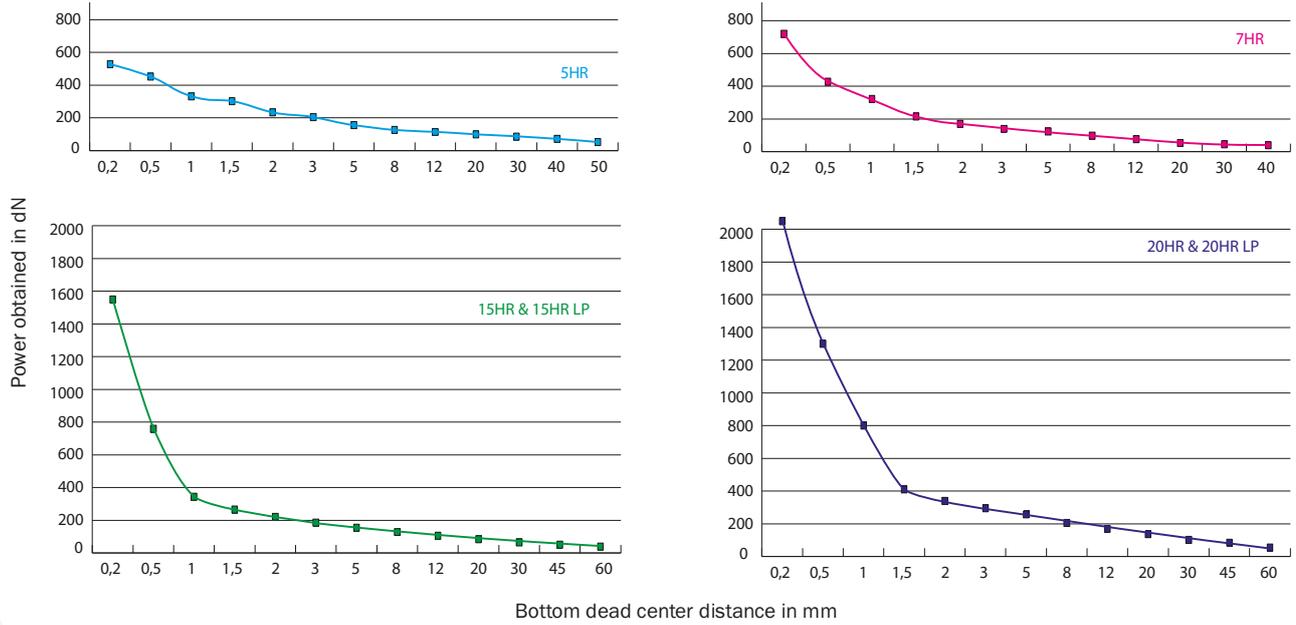
15HR LP



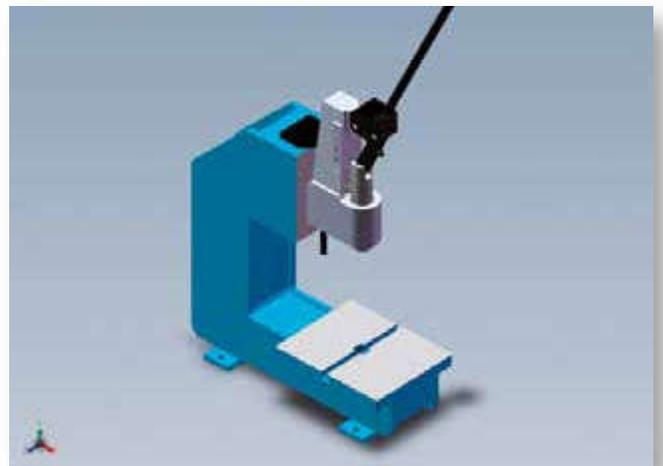
20HR LP



Power exerted by the press with a force of 20 Kg at the center of the spherical knob and perpendicular to the lever of the press



The 3D files of our manual presses are available on a simple request and will allow you to easily integrate our machines in your tooling, fitting and ergonomics studies from the workstation.



> Options

• Counter

5 digit counter with reset.



• Collet

Collet chuck with ER25 collet for $\varnothing 1.5$ to $\varnothing 16$ mm shank (\varnothing to be selected).



• BDC micrometric adjustment

Bottom dead center adjustment system, graduated after every 0.02mm.



• Non return system

Non return system : does not release the lever until the end of travel (ensures complete and repeatable execution of the operation).



• Quality control by force and/or displacement sensors

EMG proposes management solutions regarding force and/or displacement thanks to its force and displacement sensor solutions which can be adapted as per the requirement, for a 100% control.



• Press version zinc/nickel plating

Laboratory press fully zinc-plated and/or nickel-plated. These treatments are most commonly used in the world of anti-corrosion. It is to take advantage of their exceptional properties to protect a part against external aggressions. Ideal for using the press in "salt mist" environments or to avoid pollution in a laboratory by painting and/or standard lubricating of our machines.



• Anvil stakes

Set of 2 anvil stakes for securing the tools in T slots.



Additional options

- On request: special bores, complete press head only.
- Special RAL paint.
- Locking of the press head on the column (on 7HR) for rotation.
- Engage the press when in position and release by lever.
- Special services on request (press modifications, small tooling and fitting).

