

**Universal system
of quick fastening
for press brake
tools**



"ROL1"
System

by



ROLLERI
(PATENT PENDING)

"ROLI" System

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ROLI is the innovative solution proposed by Rolleri spa. It increases the productivity of a broad range of press brake machines, which are at the moment penalized by the length of time required for the replacement of the upper tools, basically due to the antifall security systems that limit the handling of the tool

ROLI is the alternative proposed by Rolleri to suit all of the most popular systems that guarantee the antifall security of the upper tools. It works thanks to a series of spring loaded push rods, applicable to the fastening system or directly to the tool.

ROLI has been planned and developed in order to offer a product that represents a goal second to none in terms of:

- **Performance ROLI** allows the replacement of tools to be done quickly and easily by the operator from the front of the machine.
- **Security ROLI** is conforms to the highest standards of security from the risk of accidental fall of the tool during the phases of assembly, taking down/disassembly and employment.
- **Versatility ROLI** can be applied to a vast range of existing fastening systems.
- **Price ROLI** has a price which is extremely competitive so that it is suitable even for older press brake machines.

Example of an application of "ROLI" with connection Am...

In case the machine has this specific type of connection, we have planned and developed a new model of clamp, in order to get the maximum practical quality.

We have called this new model of clamp **ROLI CLAMP**. On its bearing surface we have made a duct that drives the metal ring/push rod of **ROLI** into the correct vertically positioning of the tool

We have checked that the combination of **ROLI** and of **ROLI CLAMP** brings the operator many advantages:

- 1) he can work in front of the machine.
- 2) he can extract and mount tools in vertical direction and at the same time he can obtain the correct alignment.

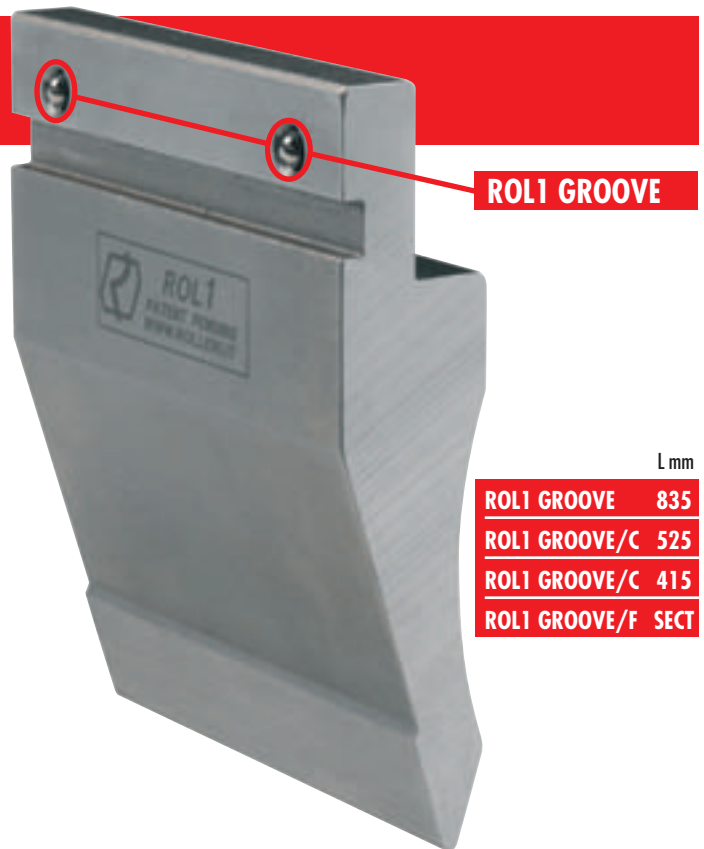


ROL1" on press brake machines Amada/Promecam type



ROL1 CLAMP1	150
ROL1 CLAMP2	200

ROL1 CLAMP3	150
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	L mm
ROL1 GROOVE	835
ROL1 GROOVE/C	525
ROL1 GROOVE/C	415
ROL1 GROOVE/F	SECT

Prerequisites for the adoption of "ROL1" on a press brake machine with connection Amada/Promecam type

ROL1 CLAMP is adoptable on all press brake machines which have intermediates conforming to the standard Amada/promecam connection.

In order to guarantee the perfect practical quality of the alignment system you need to replace the original clamps with the new **ROL1 CLAMP**.

Advantages using "ROL1" on a press brake machine with connection Amada/Promecam type

- **growth of competitiveness and/or of company profits** **ROL1** brings you the advantage of a great reduction of the time usually needed to change the tool. In this way it increases the efficiency of the whole system machine-operator and this means a substantial improvement in the production field.



- **to save purchase and operating costs** **ROL1** works completely in a mechanical way and it does not need further hydraulic or pneumatic fittings. The choice of **ROL1** avoids all the costs for the purchase, the installation and the maintenance of the above described fixtures.
- **to prevent all the costs incurred by machine down-time because of intervention for installation** the adoption of **ROL1** requires only the replacement of the original clamps with the new **ROL1 CLAMP**. The consequence is that it is not necessary to plan interventions neither for the installation nor for the control, that usually occur after the breaking of the intermediates.
- **to save on the costs of the tools and the modularity of the investment** **ROL1** does not oblige the customer to buy new tools because it can be applied even on the tools the customer is already using. Moreover it is possible to decide to replace with **ROL1 CLAMP** only those clamps necessary for the installation of the tools that have **ROL1**. This choice can be convenient in case it is necessary to use press brake machines only in their central part.
- **maximum employment versatility and a total freedom of choice for the customer** the adoption of **ROL1** does not require any modification to the dimensions and the reference surfaces of the tools. It means that the tools, even if already equipped with **ROL1**, can be used with the usual clamps. In this last case the operation will be the same as before (replacement and mounting by the side of the machine and crosswise and after that the necessity of realignment).
- **the possibility, thanks to the double clamps, to mount quickly even tools which have a traditional connection.**

Example of application of "ROLI" on a press brake machine with connection Trumpf-Wila type

We have tested **ROLI** using it together with tools we have produced which have a connection Trumpf-Wila type and that do not have any other antifall system.

The result is the perfect efficiency of its practical functions and antifall security in comparison to the traditional "pins".

Moreover in this particular case it is not necessary to check any prerequisite.



Advantage of using "ROLI" on a press brake machine with connection Trumpf-Wila type

- **ROLI** lets the operator overcome the problem of the limitation in the weight imposed by the present vertical quick fastening system thanks to its modularity.
- the application of **ROLI** does not require deep removal of material from the connection zone, therefore you avoid weakening the mechanical structure in one part of the tool that is already submitted to a very high mechanical stress.
- **ROLI** does not have release devices that stand proud from the surface of the tool. This limits the potential risk of the tools being accidentally released due to contact with the workpiece during the folding process.



Rolleri SpA

I-29020 Vigolzone (PC) - Italia - Via Artigiani, 18
Tel. +39 0523 870905 - Fax +39 0523 879030
E-mail: info@rolleri.it - www.rolleri.it