

# Kit Containing cylinder and belts for installation on automatic packaging machines

**F O R E**



With a view to facilitating the use of type 10 belts which have already been adopted by several manufactures and operators of automatic packaging machines, we have devised kits containing cylinders for the replacement of those originally fitted, also a set of accessory parts which are useful for the correct adjustment of the heat-sealing section of the machine.

These cylinders of new design are not produced by casting and are subject to a surface hardening treatment which eliminates the formation of the fastidious dust due to wear; this allows a reduced maintenance.

Their interchangeability with the original cylinders has been satisfactorily ascertained with the kind cooperation of the machine manufactures; our Technical office makes available, if requested, a member of its staff to follow at the Client's premises the installation of the first kit of cylinders and the consequent adjustment of the heat-sealing system. At present are available only the kits concerning the machines manufactured by Messrs. Cassoli and equipped with belts with positioning pivots 147 and

151 mms. in width, whilst kits for belts 280 mms. wide will be available shortly. Kits appropriate to other widths and to other types of machines will be made available as soon as the interest of Clients justifies their production.

**Each kit contains 8 cylinders, from 6 to a maximum of 10 belts of the required length, 4 distance pieces, 8 washers and 8 screw bolts.**

Our Technical office is in any case at disposal of the Clients for providing any further clarification. Any Clients utilizing these machines and not yet in possession of our catalogue describing type 10 belts may obtain same on telephonic request. Instructions regarding the operations required for the installation of the material contained in the kit are given overleaf.



**Instructions for the installation** of the new type cylinders contained in this kit and intended to replace those at present existing in all the machines manufactured by Messrs. Cassoli which normally incorporate belts with positioning pivots having widths of 147 and 151 mms.

#### **IMPORTANT ADVICE**

**The width of type 10 belts tried and approved by the above mentioned Manufacturer is 165 mms.; therefore the belts supplied by the present kit have this width and the traditional lengths of 3260 mms. and 2360 mms. depending on the model of the machine concerned.**

After extracting the pins securing the 4 cylinders of greater diameter and removing the latter from their shafts, remove the remaining cylinders from the relative shafts. It is recommended to check the condition of the heat-sealing clamps and to clean and polish same by suitable emery cloth. Carry out then a general cleaning of this part of the machine. Unscrew afterwards the 4 screw bolts which secure the base of each heating unit and, having raised the latter, insert under their contact surfaces the distance pieces here provided; fastening may be obtained by using the screw bolts of increased length supplied by this kit. The same procedure is to be followed for the opposite heating unit. After tightening fast the 8 screw bolts securing both units, insert the 4 cylinders of larger diameter in their shafts, paying attention to the fact that cylinders as per dwg. n° 1510 are to be fitted on the driving shaft whilst those as per dwg.

n° 1511 are to be fitted on the idle shaft. Check at this point the alignment of the latter two cylinders relative to the base of the machine; then fit the bearings recovered from the original cylinders, if their condition is still good, by pushing them in the appropriate housings in each cylinder (one at the top and the other at the bottom) and finally fit the two leading cylinders, one on the right side and the other on the left side of their respective shafts.

The same procedure, as regards the bearings, is to be followed in fitting the tensioning cylinders, then these cylinders are to be fastened with the appropriate Seger washers. Re-fit the tensioning cylinders on their shafts and then check by a ruler the alignment of all the head planes of the cylinders. In case it is necessary to raise the leading cylinders as well as the tensioning cylinders, please use the washers supplied herein (1.0 mm. and 0.5 mm. thick), which, when inserted in a suitable position on the shaft, allow to obtain a fully satisfactory alignment. On completion of this control, fix the cylinders in position by screwing the dowels, already inserted for the purpose, in the hubs of the cylinders (driving cylinders as well as leading cylinders), then proceed to drill a 4.5 mm. hole in the shaft by introducing the tool from the pre-selected side of the cylinders. After inserting the elastic securing pins in the holes so drilled, proceed with the filling of the 2 belts, paying attention that the way of rotation is that indicated by the arrows. Put in tension the springs of the tensioning cylinders and finally start the machine, checking that the belts run in a duly tense condition.