

For the LEP proj

LEP Dipole Bars

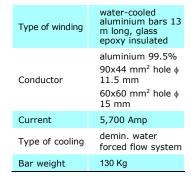
For the LEP project, in 1988 the Company completed the manufacture of 8000 bars.

These bars were needed to feed and excite the dipoles for deflection of the particles moving inside the LEP ring. The aluminium conductor bars have a boring for water cooling and are finally insulated with prepreg tape. The bars have a length of 12 m. The process, starting from the extruded aluminium bar, was articulated in two different phases: one for facing, machining, moulding, welding and sandblasting and the other for insulation and accessory autoclave treatment.



Dimensional control of LEP Bar















LEP Bars after insulation polymerisation