PATENTVERWAG
COLLECTIVE FURNITURE TO ENJOY

TECHNICAL DATA SHEET GRANDSTANDS

MOD. TTL TELESCOPIC GRANDSTANDS

DESCRIPTION

PATENTVERWAG telescopic grandstands are designed and built with the primary aim of excellent function over time, which is ensured by:

• Perfect sliding movement of the carriages in relation to each other, with maximum reduction of friction obtained by a system of rotating steel/nylon spacers designed to keep the carriages at the right distance from each other and to counteract the torque of external forces that tend to make the carriages approach each other and by a track system, which prevents the carriages from moving away from each other, counteracting internal forces.

• Controlling the parallelism of the moving carriages, to avoid seizing and accidental blocking of the grandstands, achieved through a device of cables, springs and pulleys, which prevents even minimum variations in direction of the carriages in relation to the established direction. This device is extremely important for eliminating any problem in relation to operation and maintenance.

• Row blocking system, which allows you to lock the open grandstand carriages, stopping them from accidentally closing. This completely automatic device uses steel hooks, that turn in the grandstand opening stage, and by gravity they drop onto the carriage stopper. During the closing stage, the main beam on the first row automatically releases all of the hooks, allowing closing.

• Crossed tie-rod bracing, which guarantees perfect parallelism of the uprights placed in any loading condition. From the 4th row upwards there is a horizontal steel crossbeam between the carriages.

• The load bearing structure is as monolithic as possible, eliminating the weak points; welding is carried out instead of inserting screws and nuts; this leads to clearly superior strength and absolute safety of use.

• Set-up for motorisation of the opening and closing movement, as the supports for the pulleys, for the electric motor and the reducer are built together with the load bearing metal structure; therefore, it is always possible to automate the movement of the grandstands through a simple and quick intervention.

• The grandstands can be fixed to the ground permanently or not, or wall-mounted. The load-bearing structure is calculated to support, in addition to the overload of 600 kg/m2, the dynamic actions caused by the spectators, as required by the laws in force.





DESIGN-BASED COMPOSITION