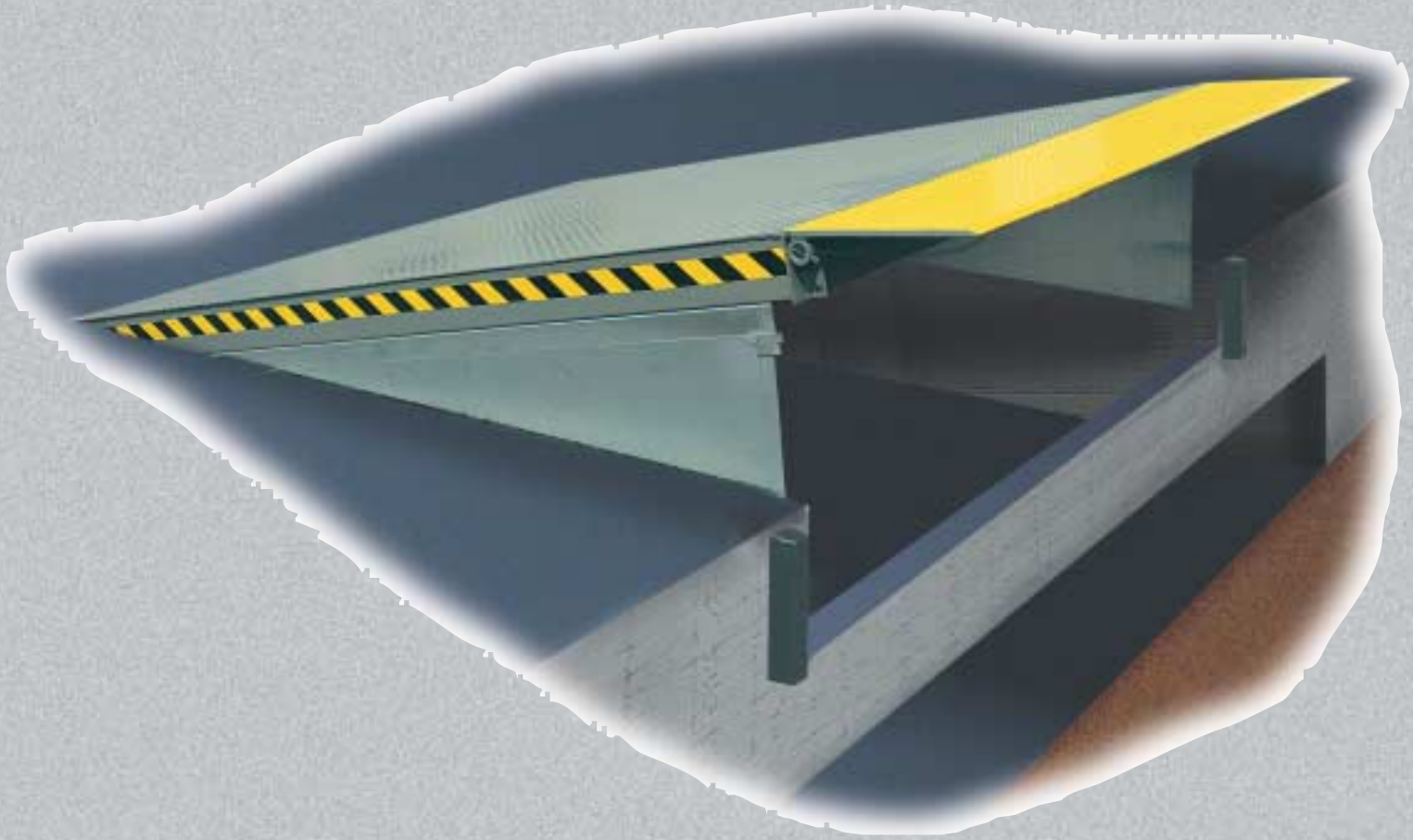


# DOCK LEVELLERS





Radius lip dock-levellers allows the dock to connect with the truckbed, therefore making it possible to drive directly on and off with fork-lift trucks, roll containers etc. Loading and unloading operations become quick, safe and economical. **CAMPISA** dock-levellers can be easily positioned. They come with the most secure safety devices.

**They are built in conformity with the EN 1398.**

An electro-hydraulic dock-leveller is not simply "a bridge for connecting a vehicle". Frequently the important characteristics that this tool needs are undervalued, in order to guarantee an efficient working environment to comply with the safety in work regulations. Since the invention of the hydraulic dock-leveller, very poor design improvement has been implemented by manufacturers of the traditional types, and the result is old concept products with poor characteristics in respect of safety in work and installation.

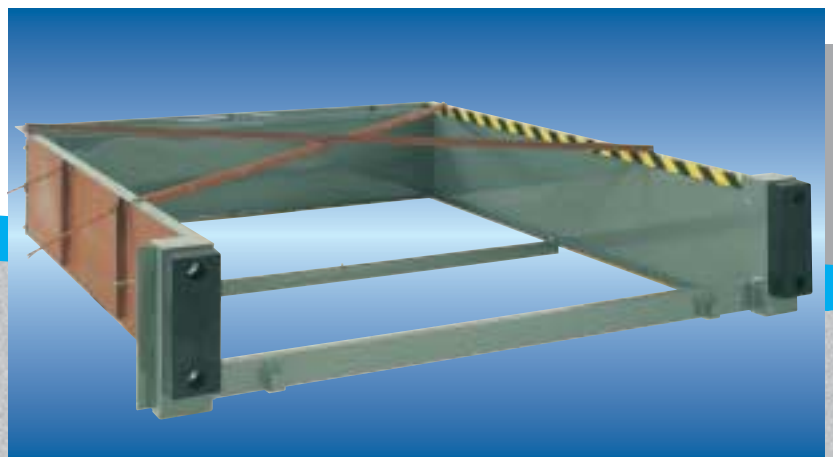
**CAMPISA** dock-levellers have been manufactured since 1975. In 1983 a completely different concept was applied to satisfy

different customer needs, offering new advantages and often cheaper costs.

The most advanced concept of the **CAMPISA** dock-leveller is to have the whole drive unit contained in a wall box which is installed on a wall inside the warehouse, at eye level, which allows for easy and economical maintenance, without the necessity to manoeuvre under the platform or inside the pit, where traditional powerpacks and controls are usually installed: an undoubtedly dangerous, dirty and uncomfortable operation.

With the **CONSOLLE** fixed at eye level on the wall and containing the whole drive unit and controls, it is no longer necessary to manoeuvre inside the pit or under the platform for ordinary maintenance: it can all be done simply, economically and safely "standing" in front of the **CONSOLLE**.

The **CAMPISA** prefabricated pit or dock is the only alternative which allows you to make a perfect pit at a lower than the classic, do-it-yourself cost. It is very simply mounted (10 bolts), positioned with the squaring "X", shimmed under the 4 corners to the final pavement level and poured around. The result is a perfectly squared, flush with the pavement, pit. The result is also aesthetically pleasing.





Telescopic lip dock-levellers are ideal for connecting vehicles unable to drive near to the dock (e.g. sea containers, side loading railway wagons etc.), or where it is imperative to reach a longer total length of the dock-leveller itself. These types can be supplied with a lip extending up to 1 m.



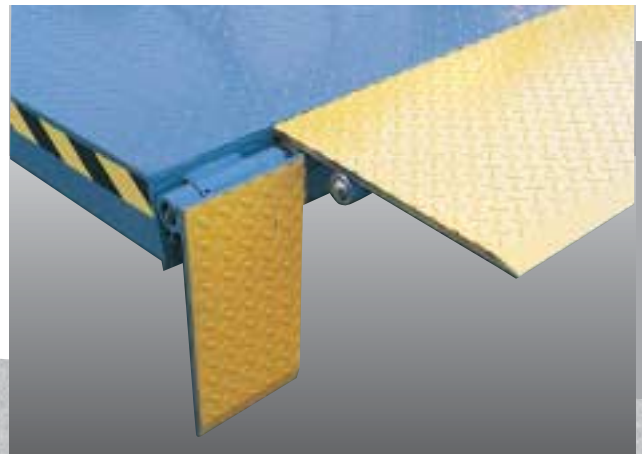
# DOCK LEVELLERS

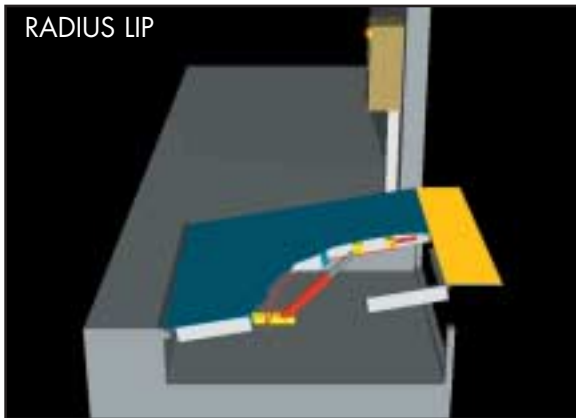
A wide study of previously installed power units motivated us to design the MULTIPLE CONSOLLE. Depending on the type of installation it can hydraulically power several dock-levellers with only one CONSOLLE (drive unit), each dock-leveller controlled separately by its own control pad. They can also work simultaneously. With these solutions we have dramatically economised by optimising the function of the single parts so successfully that we have practically eliminated, for several years, any repair intervention. Further dramatic economies are obtained by redu-

cing the electric mains supply points to one per CONSOLLE instead of one per dock-leveller. The reduction is about 65% in dock-leveller installations and about 75% in dock-leveller and powered sectional door installations. This reduction normally result in important economies when installing the mains distribution box. Consequently by reducing the number of motors there is a dramatic saving on electricity costs, as the global mains power engagement is radically reduced.

Why waste money if centralised installations can be done? With the **CAMPISA** multiple CONSOLLE it is possible to make an installation for every need, with powering for different functions. One CONSOLLE can simultaneously serve several dock-levellers and several FIDELITY hydraulic sectional doors, reducing the purchase cost of the installation, the purchase cost of electric points, maintenance and overall engagement to the mains power supply.

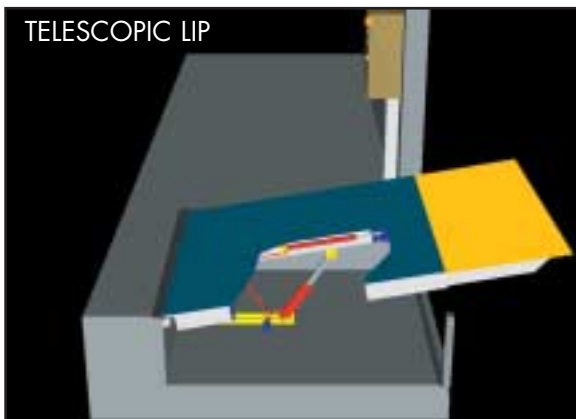
Automatic side flaps allow the choice of a wider platform dock-leveller in conformity with the EN 1398 whilst maintaining the ability to level narrower vehicles.





Standard dimensions in mm of the BASE types, 6t point load (10t evenly distributed) or MAXI 9t point load (15t evenly distributed).

Platform width	Platform length	Lip length	Pit width	Pit height
2.000	2.500	360	2.040	550
2.000	3.000	360	2.040	550
2.200	2.500	360	2.240	550
2.200	3.000	360	2.240	550



Standard dimensions in mm of the BASE types, 6t point load (10t evenly distributed).

Platform width	Platform length	Lip length	Pit width	Pit height
2.000	2.500	500 - 1.000	2.040	550
2.000	3.000	500 - 1.000	2.040	550
2.200	2.500	500 - 1.000	2.240	550
2.200	3.000	500 - 1.000	2.240	550

PLEASE NOTE: THE DIMENSIONS ARE NOMINAL ONLY. THE TECHNICAL DRAWINGS, SUPPLIED ON DEMAND, ARE TO BE CONSIDERED VALID FOR INSTALLATION AND OPERATION.

When choosing the dimensions of the dock-leveller, the prescriptions of the EN 1398 are to be considered. It demands a width as wide as the truckbed, and a minimum of 700 mm wider than the fork lift truck. The most common choices are widths of 2200 mm side flaps reducing the width for smaller trucks.

The length has to form a maximum slope affordable for the fork lift trucks (max. 8%) or electric pallet trucks (max. 3 – 4%), thus a standard length of 2500, 3000 mm is usual. The maximum slope of 12,5% stated by the EN 1398 is only the "slippery" limit.

The **CAMPISA** dock-leveller is supplied complete with:

- Platform and lip in almond anti-slip steel
- Single effect lift cylinder, double effect lip cylinder
- Safety stop in case of accidental departure of the vehicle
- Maximum pressure valve
- Side foot protection steel sheets
- Wall CONSOLLE containing the whole drive unit and control, with low level conduit protection, or motor underneath

**Accessories:**

- Side flaps (standard on all telescopic dock-levellers and on all 2200 mm width radius lip dock-levellers)
- Super rubber bumpers 400 mm x 150 mm x 80 mm
- Centralised multiple CONSOLLE installations
- Prefabricated pits and docks
- Independent 12 or 24 V DC power supply producing up to 80 cycles in case of mains power failure (patent)

**Types:**

- "CASTLE" frame to be installed into traditional pits
- "SUSPENDED" frame to be installed into traditional "suspended" type pits

Distributor

Certified by TÜV ITALIA  
UNI EN ISO 9001:2000 - No. 50 100 1972



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