



TENDIFLEX® SPHERE MINI

DATASHEET

DESIGN & SOLUTIONS

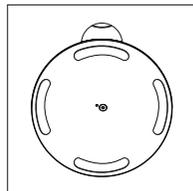


MADE IN ITALY

NON DISCLOSURE AGREEMENT

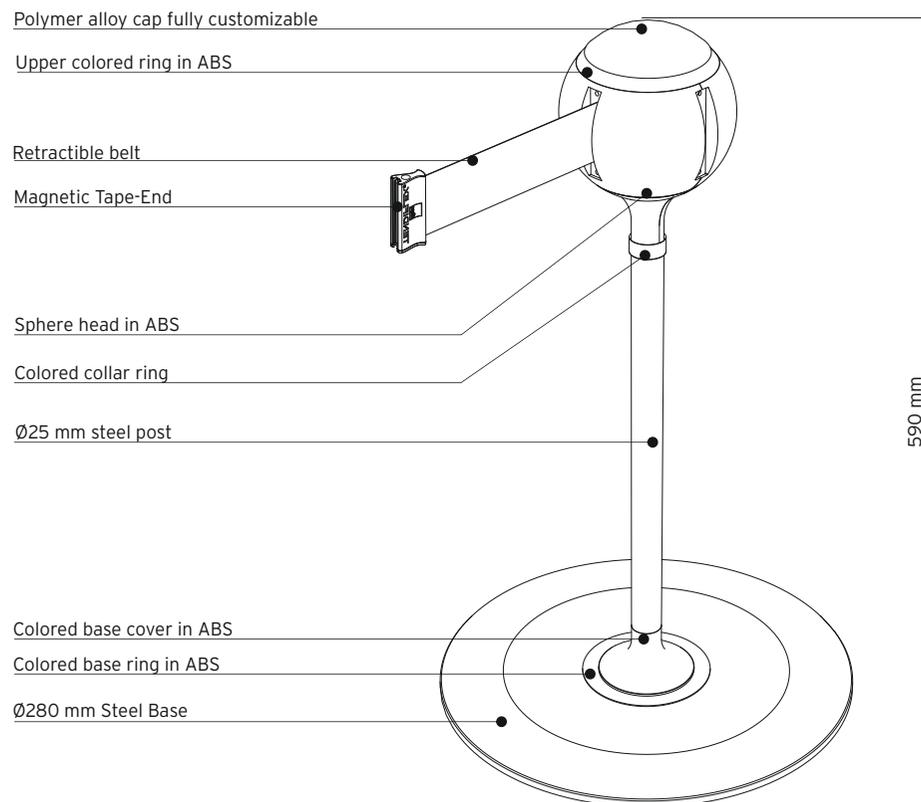
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System **CHARACTERISTICS** and **COMPOSITIONS**



TENDIFLEX SPHERE MINI Ø280mm MOBILE BASE VERSION

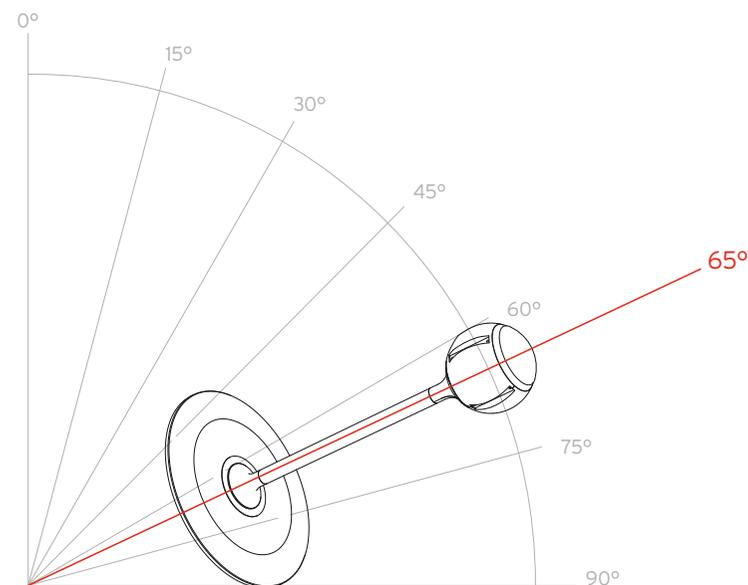
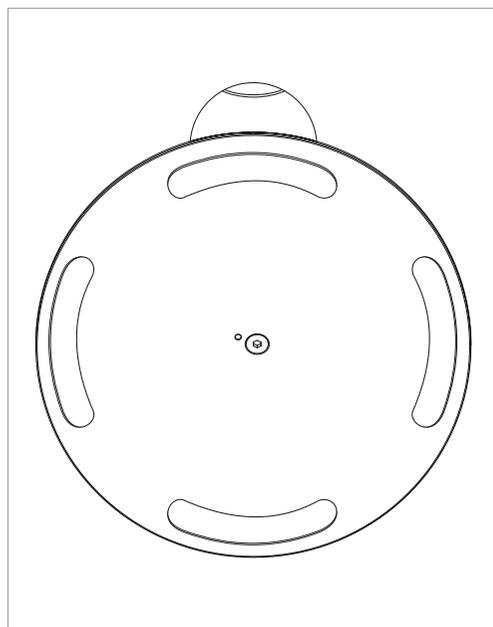
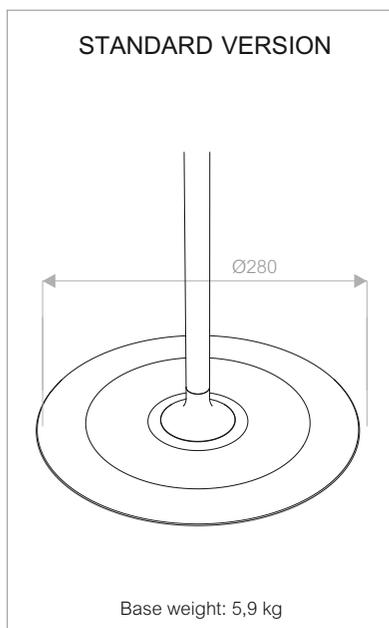
Full post weight: 7,4 Kg
Base weight: 5,9 Kg



TENDIFLEX SPHERE MINI is created specifically for beaches, events, art galleries, museums, etc. TENDIFLEX SPHERE MINI integrates perfectly in environments and protrudes only for 50 cm from the ground. The post guarantees maximum protection thanks to the presence of the magnetic hook which allows a quick release of the belt.

Ø350mm MOBILE BASE

The choice of a Ø280mm base, specifically designed to be used in high pedestrian traffic places, grant the easy and efficient management of the spaces, granting the best solution for the rational management of the flow and for the safety requirements in public places. The choice of the mobile base guarantee the best freedom in the configuration of the flow. This version is in fact advise for all those places where the queuing flow is often modify.

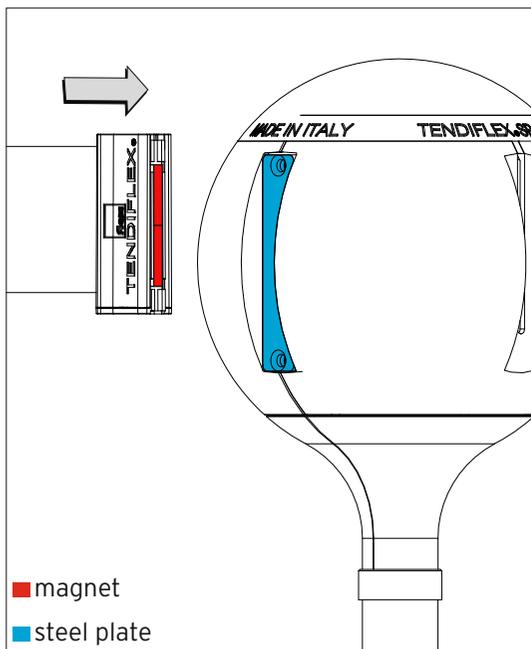


STABILITY CONDITIONS

A test has been made in order to determine how much can a Tendiflex Sphere MINI be tilt before it falls on the ground.

The results of the test shows that the post with the Ø280mm standard base has a maximum tilting angle of 65°.

MAGNETIC TAPE-END

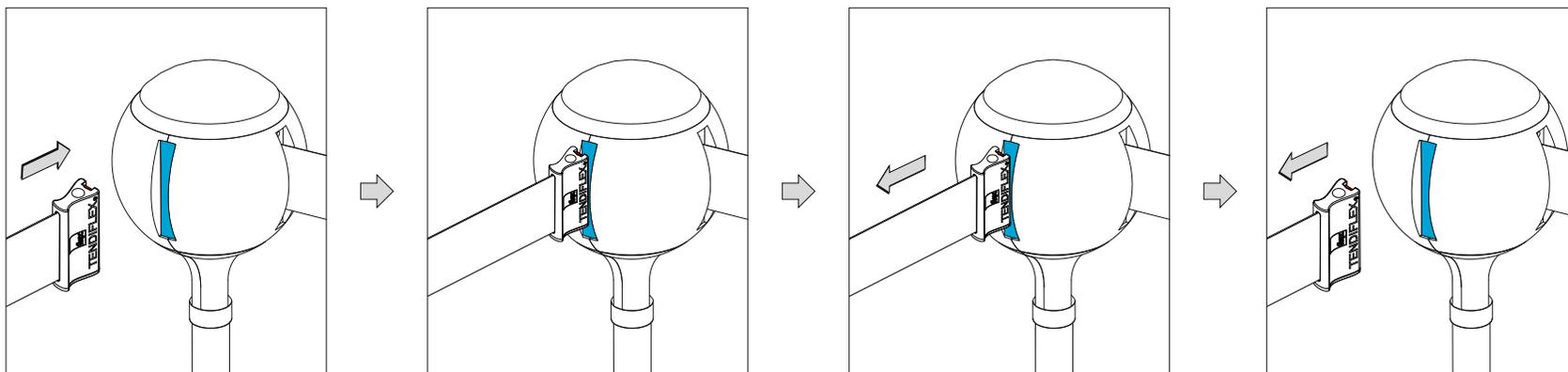
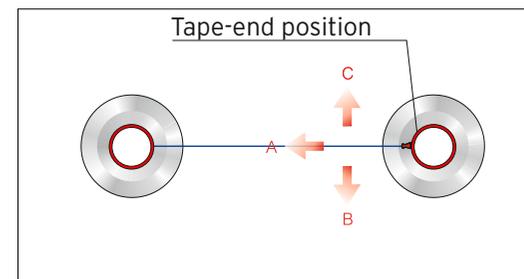
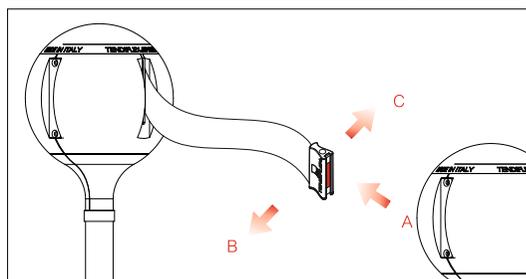


Coupling automatic device for the Magnetic Tape-End that follows all the security requirements. The Magnet located in the Tape-End is made of Nichled Neodimium, a material that represent the best of the magnet materials. The Neodimium has a lot of uses in several products and it is possible to be used in particular situations where you need the highest attractive force taking up the minimum space.

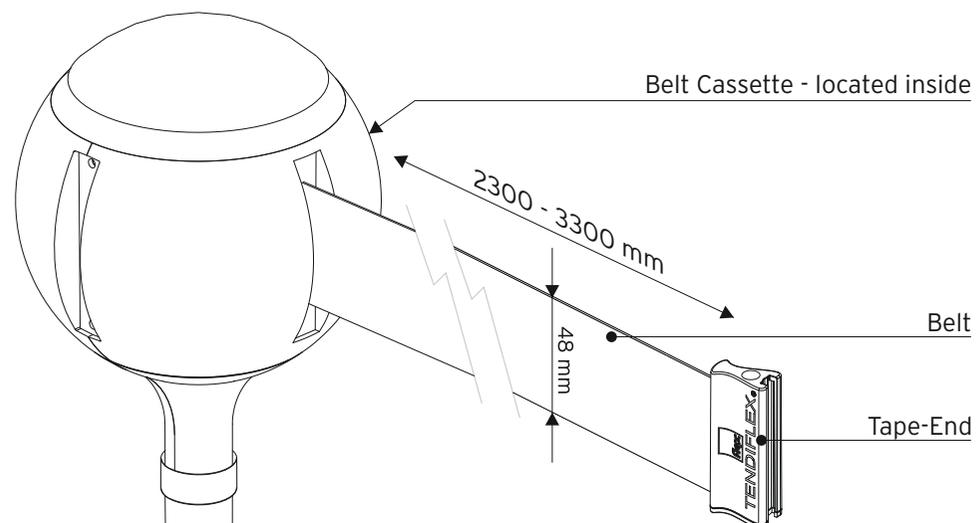
Type of Tape-End: **MAGNETIC - ANTIPANIC**

Efficency of this coupling system: **FAST DETACHMENT - PERFECT FOR EMERGENCY SITUATIONS**

Forces involved in the release of the Magnetic Belt



RETRACTABLE BELT - System characteristics



- **Belt High**
48 mm
- **Belt Length**
2.300 / 3.300 mm
- **Belt characteristics:**
Anti-tearing polyester
Glow Wire Test at a temperature of 650°
as for the IEC 60695-2-10* - IEC 60695-2-11** certifications.
*IEC 60695-2-10 normative describe the install and the trial procedures of the equipment utilized during the tests.
**IEC 60695-2-11 normative describe the actual glow wire test on the final products (final test GWEPT or incandescent one).
It's purpose is to guarantee that the final product doesn't light up or spread flames when a fire source collide with the plastic material (such as the belt).
- **Retracting mechanism**
Spring based with constant force
- **Tape-End system**
Magnetic one
- **Belt Cassette**
Coupling predisposition on three sides and secure replacing or maintenance operations
- **Belt Cassette**
Material: ABS and nylon (with 30% glass fiber) with B1 level fire reaction ad for normative DIN4102 (following the NF P 92501-7 class M2)

EFFICIENCY OF THE RETRACTING MECHANISM:

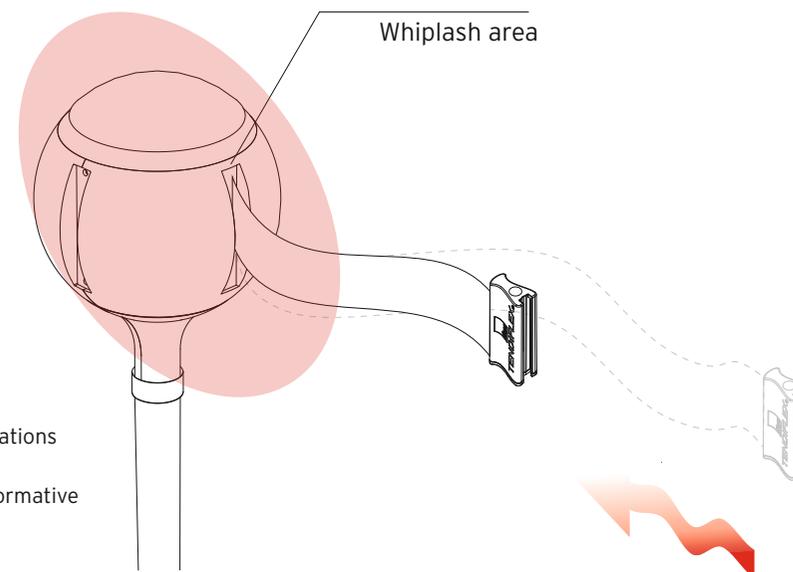
Spring based belt retractable mechanism realized following high quality standards that guarantee a better stress and utilization load, and thus a better and longer life of the cassette.

The mechanism is studied so that it can resist very well to tractions.

The spring is treated with inert gas that block its oxidation.
The humidity resistance is certified with 140 hours of direct exposure to humidity, after which hasn't found any trace of rust.

Clutched retraction system that guarantee a slower retraction speed of the belt inside the Cassette, avoiding any accidental break of the Tape End and also any damage to things of people around the Tendiflex Sphere. Comparison tests between TENDIFLEX systems and competitors' ones demonstrate a superiority of the mechanism - In fact, due to the longer retracting time and the slower retracting speed the Whiplash area is very small.

The belt cassette is specifically designed to guarantee the best protection of the retracting mechanism and also to permit its fast replacement.
The design of the cassette also guarantee a simple mantaineance of the post in a completely safe situation.



BELT CUSTOMIZATIONS



DYE PRINTING SUBLIMATING CUSTOMIZATION

The dye printing process is a customization one that exploits the heat in order to transfer the colors on a webbing or paper support.

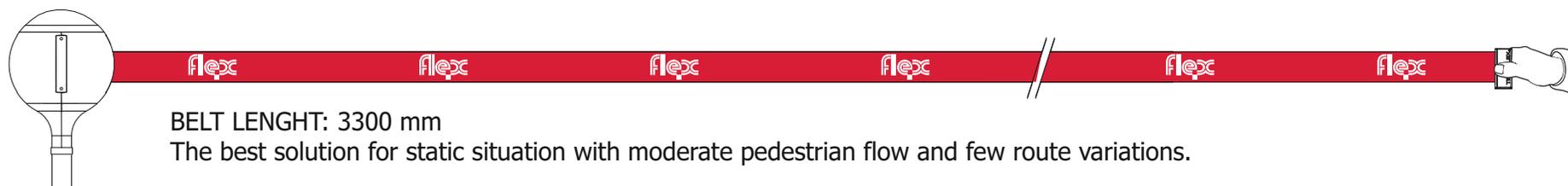
With the dye printing process the pigments are transformed from solid state to gas state, overpassing the liquid state phase. This process is commonly used on polyester. The dye printed components are thus water resistant and UV rays resistant.

The dye printing process requires a Minimum Order Quantity.

SCREEN PRINTING SERIGRAPHIES CUSTOMIZATION

Alternatively to the dye printing process is the Screen Printing process. During this process the image is transferred to the component using a serigraphic clichè.

In order to guarantee the best result is required to send a vector logo or image.



CAP CUSTOMIZATION

CUSTOMIZATION OF THE CAP WITH LOGOS OR TEXTS

Cap customization:

Thanks to a 3D printing process, the cup printing has a very high quality. In order to guarantee the best result is required to send a vector logo or image.

Tendiflex Sphere Cap:

The Tendiflex Sphere Cap is made of a polymeric alloy specifically identified for the best printing result.



CAP REPLACEMENT

Thanks to the engineering of the Tendiflex Sphere MIX it is possible to replace the cap with your own logos in just 5 steps:

- 1 - Unscrew the red screw.
- 2 - Turn counterclockwise the cap.
- 3 - Remove the cap that will be kindly pushed up by some springs located in the Sphere.
- 4 - Insert in place the new cap.
- 5 - Turn clockwise the cap and screw the red screw.

GRAPHIC 3D PRINTING

The Graphic 3D printing process is a particular printing process where the image is transferred on the plastic material in short times.

The peculiarity of this process is that every image can be printed on every object shape, event the most complex ones. Due to this feature it's vital that the client send us the graphic required in order to process and adjust it for the printing process.

The customized cap are super resistance due to the printing process; in fact the color penetrates inside the plastic material, making impossible to remove the graphic even scratching its surface.

This particular printing process is also very flexible during the production phase. In fact no clichè or graphic implants are needed and so it is possible to realize every cap different from the other without any minimum order quantity.

Thanks to this process, every Tendiflex Sphere MIX will be one in a kind.



*Since 1990 Flex stands out for its dynamic, functional and **MADE IN ITALY** products. For further information, please do not hesitate to contact us.*

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