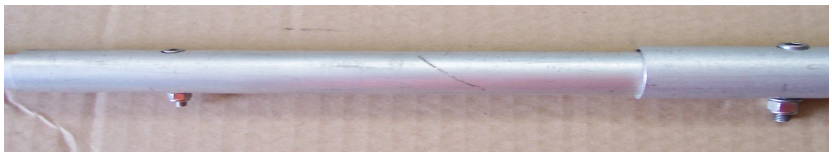
PRO.SIS.TEL.

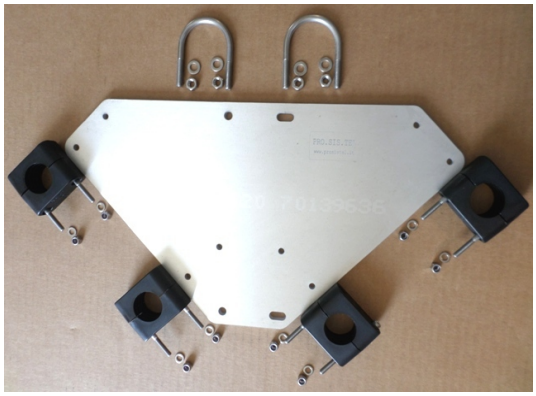
Produzione Sistemi Telecomunicazioni

PST-LOOP1-15 – V1.0

Assembly instructions:
By removing the materials from the packaging, you will find all the tubes that make up the semi-pole already pre-assembled, in scale sequence. By tilting the package, make sure that all heads of each diameter from the main tube come out. Some joints have more holes, to facilitate the calibration, assembling starting from the central hole and then lengthening or shortening depending on the final wanted tuning. Place the half arm on a plane, and start to pull out the smaller diameter. Match the hole of the inner tube with the hole in the outer tube. The elements are fixed by inserting the bolt on the side of the larger hole so that the cylindrical bolt head is well recessed and rests on the inner tube. Slightly lubricate the screw threads to prevent them from being stiffed. (frequent case with stainless bolts).



Make sure all the bolts heads are on the same side. Tighten the nut.
Using the same technique, pull out and join all sections.
When the two semi elements are ready, prepare the middle plate and assemble all the parts as shown in the picture. The two semi-dipoles must protrude from the insulator by 2.5cm.
Black or blue insulators are interchangeable. After mounting the two rigid arms, close the loop with the supplied wire.
The possible calibration can be performed by moving with the holes of calibration, lengthening, to decrease in frequency, shortening to increase in frequency.



Connect a 1-1 balun or a coax cable choke to the dipole center, you may want not to use the balun, than in this case connect the terminals of the coaxial open a V directly to the two bolts. Also in this case make sure that the two terminals of the coax, do not exceed 10cm. If too long the antenna will resonate slightly lower. The original balun, improves antenna operation, and prevents RF currents returning to the coaxial cable socket that could cause TVI phenomena or other RF disturbance.

The antenna must look similar to the picture when assembled.

The measurements may vary according to the final calibration.
After the adjustment is complete, check all nuts for tightening.
When installed it is preferable that it be at least 3-5m from the attic/roof/ground.

The performance may vary depending on the ambient conditions in which the antenna is installed.

The presence of metal objects in the vicinity may make calibration more difficult.

Specifications:

Band: 15m
Gain: 0dBd
Impedence: 50 ohm
Max power: 2Kw pep SSB, 1Kw RTTY-CW
Radius = about 1,5m
Wind area = about 0.15m2
Mast diameter = 40-50mm
Weight = about7kg
Max wind = 130Km/**h**
Material = Alluminun 6060-T6, Stainless steel hardware.

Performance:
The antenna has a enought bandwidth to cover the entire band with maximum SWR of 2:1 at band edges, having a SWR to center bands below of 1:1.5

For technical and improvement needs - production, specifications and construction details may be changed, without changing the final purpose of the product.

Safety warning
Be responsible and avoid possible accidents

Do not install the antenna near any exposed power lines or other electricity sources, you may be killed or seriously injured. Make sure that no one can come in contact with it even accidentally during use
Install the antenna on properly sized mast to support its load even in strong wind conditions.
The fall of all or part of it could hit people and/or things with uncountable damage.
In this case the responsibility is in charge and exclusively by the user.

Dear buyer,
Thank you for purchasing a Pro.Sis.Tel..
The construction was made using the best materials available on the market, processed and finished with the best possible care allowed by the state of the art.
Use it within the limits for which it was built and it will serve you faithfully for many years.
In case of doubts or doubts, our technical office will always be available to provide you with all the necessary support.

If you are satisfied tell the others, otherwise ..... tell us.

Your feedback and suggestions will allow us to improve our products even more.

Best regards
Annamaria River IK7MWR

Made in Italy

WARNING! Protect the environment
Disposal of components and materials
The antenna is mainly made of aluminium, in case of discontinuation, deliver the scrap to a specialized disposal centre, in compliance with local laws/rules .