

Concrete Post Prestressed

TECHNICAL SPECIFICATIONS



Via Gitti, 56 - 25060 Marcheno (BS) Italia tel. +39 030 861272

fax +39 030 8966654 e-mail info@vineyardstore.net www.vineyardstore.net



The C.A.P. poles are made with the prestressing technique which guarantees a higher mechanical strength. Moreover, the choice of materials used is intended to guarantee the durability of the product:

1) Concrete: the concrete used for the construction of the poles is composed of aggregates (gravel and sand) made from selected, sized and washed natural material. This material gives the concrete a very high resistance and much higher than the aggregates obtained by grinding the rock. Sand and gravel are mixed with the concrete which acts as "glue", holding them together and giving them a high compression strength.

2) High carbon braided steel and low loosening rate:
a reinforcement is placed inside the pole having the function to transmit the compression to the pole. The steel used has a very high resistance ($r = 1870 \text{ N/mm}^2$) and consists of braids that stick perfectly to the concrete, consisting of 2 (normal braid) or 3 twisted wires (reinforced braid) with a diameter of 2.25 mm.

The quality of the pole in C.A.P. is DNV guaranteed by means of a special Certificate of Quality of the Product, document specifying the minimum and maximum tolerances of the pole with respect to the following criteria: resistance to bending of the finished product, concrete strength, resistance to freezing; straightness of the product.

The pole has a trapezoidal shape and four sides smooth and free of sharp edges. This finish allows the use of harvest machines in the vineyards and do not wear anti-hail nets out in orchard systems. For aesthetic reasons the poles can be supplied in brown colour, the colour is created directly in the dough, so as to ensure a long life. It is also possible to make holes in the poles up to a maximum of three, where the first hole is at least 10 cm from the top of the pole.

PRODUCTS AVAILABLE:

ARMATURE	SECTION	WEIGHT	ARMATURE	SECTION	WEIGHT
8 wires- 4 braids 2x2,25	5x5	6 Kg x mt	12 wires - 4 braids 3x2,25	8x8	15 Kg x mt
8 wires - 4 braids 2x2,25	6x6	8 Kg x mt	12 wires - 4 braids 3x2,25	9x9	21 Kg x mt
8 wires - 4 braids 2x2,25	7x7	11 Kg x mt	18 wires - 6 braids 3x2,25	8x12	25 Kg x mt
12 wires - 4 braids 3x2,25	7x8	12 Kg x mt	36 wires - 12 braids 3x2,25	14x14	44 Kg x mt