

SEAMLESS TUBES FOR MECHANICAL APPLICATIONS

GENERAL FEATURES

GENERAL DESCRIPTION

The tubes for mechanical applications are suitable for machining by turning or CNC equipments. The wide size range available, with O.D. from 21.3 to 812 mm, gives the possibility to manufacture several kinds of components for different applications: small machine parts, flanges, fittings, Archimedean screws, hydraulic cylinders for heavy machines etc.

STRUCTURAL PURPOSES

The compliance to the norm EN 10210-1/2 allows the product application for structural purposes as well. This norm is harmonized according to the European Regulation 305/2011 regarding the construction products; therefore the tubes are approved with the relevant CE mark.

The size range of hot rolled tubes offers higher wall thicknesses in comparison to the welded hollow sections. For more information, please check also our catalogue "Structural tubes and bars".

THE PRODUCT NORMS

The hot rolled mechanical tubes contemporarily satisfy different product norms, making them suitable for different applications: mechanical engineering, structures and hydraulic purposes.

In particular this product is supplied with triple marking: E355-EN10297-1 (mechanical) / S355J2H-EN10210-1/2 (structural) / P355N(TC1)-EN 10216-3 (pressure purposes). The product is alternatively available with marking E355K2-EN10297-1 / P355NL1 or P355NL2 (TC1)-EN 10216-3.

For both solutions the delivery condition +N, normalized or normalized formed, grants high impact properties to the product.

PPRESSURE PURPOSES

The compliance to the norm EN 10216-3 allows the product to be used also in the fabrication of components subject to inside pressure, such as hydraulic cylinders, joints, valves, flanges and general piping.

We remind that the norm EN 10216-3 is harmonized according to the European Directive 2014/68/UE, which regulates the pressure equipments.

