

## GENERAL FEATURES

The square and rectangular hollow sections for structures are available in the following forms, according to the manufacturing method:

- **HOT FINISHED SEAMLESS SQUARE AND RECTANGULAR HOLLOW SECTIONS ACC. TO EN 10210**  
These hollow sections are manufactured through hot forming of round seamless tubes.
- **HOT FINISHED WELDED SQUARE AND RECTANGULAR HOLLOW SECTIONS ACC. TO EN 10210**  
These hollow sections are manufactured through coil forming and welding. It is possible to effect hot forming or cold forming followed by heat treatment.
- **COLD FINISHED WELDED SQUARE AND RECTANGULAR HOLLOW SECTIONS ACC. TO EN 10219**  
These hollow sections are manufactured through coil cold forming and welding, this process does not foresee any following heat treatment



## STEEL DESIGNATIONS

The alphanumeric designations are according to EN 10027/1 and to EICCIS 10 and they must be read as follows:

- Capital letter "S" stands for "STEEL FOR STRUCTURAL APPLICATIONS".
- The following number stands for the minimum yield value required for wall thickness  $\leq 16$  mm.
- Abbreviations JR, J0, J2 and K2 stand for impact properties: JR at + 20°C, J0 at 0°C, J2 and K2 at -20°C.
- Capital letter "N" stands for "NORMALIZED STEEL".
- Capital letter "M" stands for "THERMOMECHANICAL ROLLING".
- Capital letter "L" stands for the specific impact properties at - 50°C.
- Capital letter "H" stands for "HOLLOW SECTION".