Criteria for the Use of High Tensile Steel with Minimum Yield Stress of 315 N/mm², 355 N/mm² and 390 N/mm²

This UR does not apply to CSR Bulk Carriers and Oil Tankers.

The material factor $k$ is defined as follows:

$$k = \begin{cases} 0.78 & \text{for steel with } R_{eh} = 315 \text{ N/mm}^2 \\ 0.72 & \text{for steel with } R_{eh} = 355 \text{ N/mm}^2 \\ 0.66 & \text{for steel with } R_{eh} = 390 \text{ N/mm}^2 \text{ provided that a fatigue assessment of the structure is performed to verify compliance with the requirements of the Society,} \\ 0.68 & \text{for steel with } R_{eh} = 390 \text{ N/mm}^2 \text{ in other cases.} \end{cases}$$

Where:

$R_{eh}$ : Minimum yield stress, in N/mm²