

# STAINLESS STEEL BAND

## GRADE 201



Standard: **ASTM A 240**

Edges: **rounded**

Installation of cables, ventilation ducts, masts, poles, road signs; suspension of additional equipment for cable ducts, process piping, poles; packing for transport, bundling of steel and plastic pipes, installation of flexible pipe connections, and many others. Elements used in moderate corrosive environments.

### MATERIAL CHARACTERISTICS:



CORROSION RESISTANCE IN MODERATE AND MILD ENVIRONMENTS



VERY HIGH MECHANICAL STRENGTH



HIGH MECHANICAL PROPERTIES FOR EASY CLAMPING WITHOUT LOSS OF MATERIAL



RESISTANT TO OXIDATION AT HIGH TEMPERATURES



RESISTANCE TO LOW TEMPERATURES



SMOOTH FINISH ON ALL SURFACES



### USE

Urban and industrial environment with moderate pollution. Internal and external locations with moderate to mild exposure to chlorides. Urban architecture, steel structures, means of transport. Telecommunication masts and electricity transmission network structures. Coal mining industry. Underground structures, road tunnels, underground infrastructure for telecommunications. Food industry plants.

## STRAPPING BAND SIZE CHART

| Width [mm] | Thickness [mm] | Roll weight [kg] |           |           |
|------------|----------------|------------------|-----------|-----------|
|            |                | 50 m roll        | 30 m roll | 25 m roll |
| 19         | 0,7            | 5,2              | 3,1       | 2,6       |
| 16         | 0,7            | 4,4              | 2,6       | 2,2       |
| 12,7       | 0,7            | 3,5              | 2,1       | 1,7       |
| 9,5        | 0,6            | 2,2              | 1,3       | 1,1       |
| 6,4        | 0,5            | 1,3              | 0,8       | 0,6       |
| 20         | 0,7            | 5,5              | 3,3       | 2,7       |
| 10         | 0,7            | 2,8              | 1,7       | 1,4       |
| 20         | 0,4            | 3,1              | 1,9       | 1,6       |
| 10         | 0,4            | 1,6              | 0,9       | 0,8       |



## CHEMICAL COMPOSITION

| Grade      | Pierwiastek, % (max.)* |     |      |      |          |           |         |      |     |
|------------|------------------------|-----|------|------|----------|-----------|---------|------|-----|
|            | C                      | Si  | P    | S    | Mn       | Cr        | Ni      | Mo   | N   |
| <b>201</b> | 0,15                   | 1,0 | 0,06 | 0,03 | 8,5-11,0 | 13,0-15,0 | 1,0-2,0 | 0,25 | 1,0 |

\* Range of the concentrations of elements meeting the requirements for steel grade 201 acc. to ASTM A 240

## MECHANICAL AND ELECTRICAL PROPERTIES

| Grade      | Mechanical properties * |                         |                     |               |     | Electrical properties |                               |
|------------|-------------------------|-------------------------|---------------------|---------------|-----|-----------------------|-------------------------------|
|            | Tensile strength        | Yield strength, min     | Elongation, min     | Hardness, max |     | Magnetic permeability | Electrical resistance at 20°C |
|            | R <sub>m</sub> , MPa    | R <sub>p0,2</sub> , MPa | A <sub>80</sub> , % | HBW           | HRB | μ                     | Ωxmm <sup>2</sup> /m          |
| <b>201</b> | 600-950                 | 260                     | 40                  | 276           | 105 | 1,02                  | 0,70                          |

\* Range of mechanical properties meeting the requirements for steel grade 201 acc. to ASTM A 240 in saturated state

## RELATED PRODUCTS

