



## Official distributor in Poland

### CHEMICAL COMPOSITION

#### Chemical composition for plate (in weight %)

| Element | C    | Si   | Mn   | P     | S     | Cr   | Ni   | Mo   | B     |
|---------|------|------|------|-------|-------|------|------|------|-------|
| min     | max. | max. | max. | max.  | max.  | max. | max. | max. | max.  |
| max     | 0.30 | 0.50 | 1.70 | 0.025 | 0.015 | 1.5  | 1.0  | 0.25 | 0.005 |

#### Chemical composition for sheet (in weight %)

| Element | C    | Si   | Mn   | P     | S     | Cr   | Ni   | Mo   | B     |
|---------|------|------|------|-------|-------|------|------|------|-------|
| min     | max. | max. | max. | max.  | max.  | max. | max. | max. | max.  |
| max     | 0.27 | 0.50 | 1.60 | 0.025 | 0.010 | 1.2  | 1.0  | 0.25 | 0.005 |

The steel is grain refined

### APPLICATION

Buckets and containers, loading and transport systems in mines, working edges of earthmoving machines, excavator buckets, crushers, consumable parts of mining machinery, consumable parts of concrete mixers and woodworking machines, platform structures, feeders, hoppers, silos, aggregate and ore transport systems, tipper bodies.

### TREATMENT

Tempering 150-200 °C

### MECHANICAL PROPERTIES

|                    |  |
|--------------------|--|
| Delivery condition | Quenched   |
| Impact properties  | 30 J/ -40°C  |
| Surface properties | According to EN 10 163-2 Class A, Subclass 3.  |
| Bending            | Minimum inner bending radii for a 90° bend, t ≤ 20 mm are sheets and plates, 3 x t (transverse) and 4 x t (longitudinal) |
| Flatness           | For plate and sheet the flatness deviation is max 6 mm/m.  |

**NOTE:** All technical information is for reference only.