

1. **Scope of work and supply**

Manufacture and supply round seamless aluminium alloy tubular bus-bars, designated for current conductor in outdoor substation, according to DIN 1725.

2. **Climatic and environmental conditions**

- 2.1 Long periods without rain, alternating with high humidity as experienced in coastal or desert areas in Israel (dust, salt spray, sandstorms).
- 2.2 Permissible ambient air temperature: maximum +50°C, minimum -5°C, average measured over a period of 24h +35°C.
- 2.3 Solar radiation: Heating effects of solar radiation 1120 W/m².
- 2.4 Rain intensity 15 mm/min.
- 2.5 Chemically active substances according to IEC 60721-3-4, Table IV 4C3.
- 2.6 Mechanically active substances according to IEC 60721-3-4, Table V 4S3.
- 2.7 Installation height over the sea level up to 1000 m.

3. **Material of the tubes**

E-AL MgSi 0.5F22 – according to DIN 1746 AND 40501.

4. **Dimensions:**

- Outer tube diameter Ø120mm.
 - Wall thickness 10mm.
5. Tolerance for the outer diameter: ±0.7mm (or not greater from ± 1% of the outer tube diameter) and according to DIN 9107.
 6. Approved tolerance of only +5% which is expressed in the length of each tube and not in the total amount