

# STAPAFLEX

## pliable armoured conduits made of steel

Pliable armoured steel conduits are made of a high-quality lead-coated sheet iron in multi-layer design. Thanks to their narrow grooving, they are extraordinarily flexible. Depending on the type of pipe, there are layers of impregnated paper in between the iron sheet to provide moisture-proof insulation. One pipe

design is covered with a PVC-P coat for protection against corrosion. By this, these pipes offer protection against moisture, aggressive damps and liquids as well as dangerous contact electricity. All types of armoured steel conduits are suited for high mechanical loads. The pipes without coating are resistant to temperatures of up to 250 °C. They are light in weight and allow economical installation with no need of special tooling or bends. Fixing is easily done by means of clamps. The narrow grooving suits all standardized steel pipe connectors and provides tensile connection. Threading is not necessary.



## STAPAFLEX-EP



- 4 strength: heavy (1250 N)
- 4 impact: heavy
- 5 lower temperature range: -45 °C
- 6 upper temperature range: 250 °C
- 2 pliable

**Raw material:** lead-coated sheet iron, with layers of insulating paper in between

**Application:** for installation in machine construction, manufacture of apparatus and vehicles as well as in melted asphalt

| STAPAFLEX-EP           |         | DIN EN 50086-2-2: classification 44562 |        |        |        |        |        | <VDE>  |
|------------------------|---------|--|--------|--------|--------|--------|--------|--------|
| Nominal diameter       | DN      | 16                                     | 20     | 25     | 32     | 40     | 50     | 63     |
| Outside diameter       | (mm)    | 16                                     | 20     | 25     | 32     | 40     | 50     | 63     |
| Permissible tolerances | (mm)    | 0/-0.3                                 | 0/-0.3 | 0/-0.4 | 0/-0.4 | 0/-0.4 | 0/-0.5 | 0/-0.6 |
| Inside diameter        | (mm)    | ≥10.7                                  | ≥14.1  | ≥18.3  | ≥24.3  | ≥31.2  | ≥39.6  | ≥50.6  |
| Coil length            | (m)     | 25                                     | 25     | 25     | 25     | 25     | 25     | 25     |
| Item No.               | 90000.. | 16                                     | 20     | 25     | 32     | 40     | 50     | 63     |
| Accessories            |         | threaded couplers, see page 17         |        |        |        |        |        |        |

## STAPAFLEX-EPY



- 4 strength: heavy (1250 N)
- 4 impact: heavy
- 4 lower temperature range: -25 °C
- 1 upper temperature range: 60 °C
- 2 pliable

**Raw material:** lead-coated sheet iron, with layers of insulating paper in between and covered with a plastic coating for protection against corrosion

**Application:** for installation in machine construction and manufacture of apparatus and vehicles

| STAPAFLEX-EPY          |         | DIN EN 50086-2-2: classification 44412 |        |        |        |        |        | <VDE>  |
|------------------------|---------|--|--------|--------|--------|--------|--------|--------|
| Nominal diameter       | DN      | 16                                     | 20     | 25     | 32     | 40     | 50     | 63     |
| Outside diameter       | (mm)    | 16                                     | 20     | 25     | 32     | 40     | 50     | 63     |
| Permissible tolerances | (mm)    | 0/-0.3                                 | 0/-0.3 | 0/-0.4 | 0/-0.4 | 0/-0.4 | 0/-0.5 | 0/-0.6 |
| Inside diameter        | (mm)    | ≥10.7                                  | ≥14.1  | ≥18.3  | ≥24.3  | ≥31.2  | ≥39.6  | ≥50.6  |
| Coil length            | (m)     | 25                                     | 25     | 25     | 25     | 25     | 25     | 25     |
| Item No.               | 90100.. | 16                                     | 20     | 25     | 32     | 40     | 50     | 63     |
| Accessories            |         | threaded couplers, see page 17         |        |        |        |        |        |        |