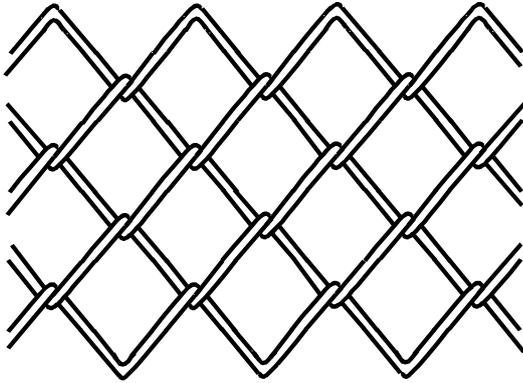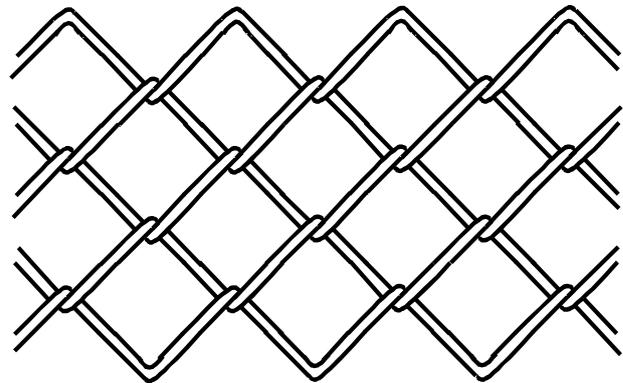# Single-plaited steel netting with protective coverings

TU [1] 14-178-287-2003

*Figure 2.*



**Diamond mesh**



**Square mesh**

## Application area:

The netting is suitable for excavation fixing in the mineral resources industry, materials bolting in the construction industry, for reinforcement during plastering in the construction industry, for heat-shielding of industrial equipment and pipelines, and for fencing manufacture in agriculture, mechanical and power engineering.

## Clarification of netting naming structure:

Diamond mesh netting No 15 made from a non-heat-treated wire without coating, of a diameter of 1.2 mm, group 2:
**Netting 2-D-15-1.2 TU 14-178-287-2003**

Square mesh netting No 20, made from a zinc-coated wire of a diameter of 1.6 mm:
**Netting 20-1.6-Z TU 14-178-287-2003**

Square mesh netting No 45 made from a wire with low-pressure polyethylene coating of a diameter of 2.8 mm:
**Netting 45-2.8-P TU 14-178-287-2003**

The same netting, in compact rolls:
**Netting 45-2.8-P-C TU 14-178-287-2003**

## Netting description:

The nettings are manufactured either with diamond (rhomb's acute angle equals 60°) meshes or with square (angles equal 90°) meshes from non-heat-treated wire without coating, or coated with zinc to TU 14-4-1563-89 and from a wire with low-pressure polyethylene coating (HDPE) to TU 14-178-290-95; available in compact and normal rolls.

*Gauge and geometrics of the nettings are given in Table 2 on the next page.*

## Gauge and geometrics of the nettings

*Table 2.*

| Netting No | Diameter of wire, mm | | | Estimated weight of 1 m², kg |
|---|---|---|---|---|
| | **Without coating** | **Woated with zinc** | **Coated with polymer** | |
| Diamond mesh | | | | |
| 5 | 1.4 | – | – | 5.283 |
| 15 | 1.2 | – | – | 1.314 |
| Square mesh | | | | |
| 20 | 1.6 | 1.6 | – | 1.660 (1.605) |
| 35 | 1.6 | 1.6 | – | 0.888 (0.937) |
| 35 | – | – | 2.5 | (1.324) |
| 45 | – | 2.0 | – | (1.190) |
| 45 | – | – | 2.8 | (1.324) |
| 50 | – | 2.5 | – | (1.680) |
| 50 | – | – | 2.8 | (1.324) |
| 80 | 5.0 | – | – | 3.740 |

*Comment:*
*Values in parenthesis relate to the netting made from zinc-coated wire, values in brackets relate to the netting made from polymeric coated wire.*

Other dimension-types are possible according to the customer's demand.