# TECHNICAL INFORMATION

**STEEL MESH DESCRIPTIONI**: BY SPOT WELDING (RESISTANCE SPOT WELDING) AT THE INTERSECTION POINTS OF TWO SERIES OF COLD-DRAWN STEEL RODS WITH THE SAME MECHANICAL AND SURFACE PROPERTIES PLACED PERPENDICULAR TO EACH OTHER.

**MECHANICAL PROPERTIES OF THE STEEL MESH WE PRODUCE (TS4559)**

ROD DIAMETER Ø ( mm ) : 4.00 - 12.00
MINIMUM YIELD STRENGTH Kgf/cm² ( N/mm² ) : 5000 ( 500 )
MINIMUM TENSILE STRENGTH Kgf/cm² ( N/mm² ) : 5500 ( 550 ) M
INIMUM Elongation % : 5-8"

> THE SECTIONAL AREA OF ANY OF THE RODS FORMING THE TRANSVERSE EQUIPMENT OF STEEL MESH SHOULD BE EQUAL TO AT LEAST ONE THIRD OF THE SECTIONAL AREA OF A LONGITUDINAL ROD OR PAIR OF RODS. (TS4559) > THE TRANSVERSE AND LONGITUDINAL RODS THAT FORM THE STEEL MESH SHOULD BE EXTENDED AT LEAST 2.5 Cm AFTER THE WELDING POINTS CLOSEST TO THE EDGES. (TS 4559)

| NAMED DIAMETERS, NAMED SECTIONAL AREAS AND UNIT LENGTH MASSES (NOTE MASSES) OF STEEL RODS USED IN THE CONSTRUCTION OF STEEL MESH | | | | SECTIONAL AREAS ACCORDING TO ROD SPACING (cm²/cm) | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| NOMINAL DIAMETER Ø (mm) | TOLERANCE (mm) | SECTIONAL MEMORIAL AREA cm² | MEMORIAL MASS * kg/mt | 75 150d | 100 | 150 | 200 | 250 | 300 |
| **4.0** | +/- 0.2 | **0.126** | **0.099** | 1.67 | 1.26 | 0.84 | 0.63 | 0.50 | 0.4 |
| **4.5** | | **0.159** | **0.125** | 2.12 | 1.59 | 1.06 | 0.79 | 0.64 | 0.5 |
| **5.0** | | **0.196** | **0.154** | 2.62 | 1.96 | 1.31 | 0.98 | 0.79 | 0.6 |
| **5.5** | | **0.237** | **0.186** | 3.17 | 2.37 | 1.58 | 1.19 | 0.95 | 0.7 |
| **6.0** | | **0.283** | **0.222** | 3.77 | 2.83 | 1.88 | 1.41 | 1.13 | 0.9 |
| **6.5** | | **0.332** | **0.260** | 4.42 | 3.32 | 2.21 | 1.66 | 1.33 | 1.1 |
| **7.0** | | **0.385** | **0.302** | 5.13 | 3.85 | 2.56 | 1.92 | 1.54 | 1.2 |
| **7.5** | | **0.442** | **0.347** | 5.89 | 4.42 | 2.94 | 2.21 | 1.77 | 1.4 |
| **8.0** | | **0.502** | **0.394** | 6.70 | 5.02 | 3.35 | 2.51 | 2.01 | 1.6 |
| **8.5** | | **0.567** | **0.445** | 7.56 | 5.67 | 3.78 | 2.84 | 2.27 | 1.8 |
| **9.0** | | **0.636** | **0.499** | 8.48 | 6.36 | 4.24 | 3.18 | 2.54 | 2.1 |
| **9.5** | | **0.708** | **0.556** | 9.45 | 7.08 | 4.72 | 3.54 | 2.83 | 2.3 |
| **10.0** | | **0.785** | **0.616** | 10.47 | 7.85 | 5.23 | 3.93 | 3.14 | 2.6 |
| **10.5** | | **0.865** | **0.679** | 11.54 | 8.65 | 5.77 | 4.33 | 3.46 | 2.8 |
| **11.0** | | **0.950** | **0.746** | 12.66 | 9.50 | 6.33 | 4.75 | 3.80 | 3.1 |
| **11.5** | | **1,038** | **0.815** | 13.84 | 10.38 | 6.92 | 5.19 | 4.15 | 3.4 |
| **12.0** | | **1,130** | **0.887** | 15.07 | 11.30 | 7.54 | 5.65 | 4.52 | 3.7 |

* RATED MASS TOLERANCE IS - 6%. THE HEAVYNESS OF THE REMEMBER MASSES OF THE RODS DOES NOT CAUSE THEM TO BE CONSIDERED DEFECTIVE. (TS4559-

WHEN THE d (DOUBLE) SIGN HAS DOUBLE BARS USED.

AGE ÇELİK HASIR SANAYİ VE TİCARET A.Ş.