

Table 3 Seamless precision steel tubes - Lengths - TMK-ARTROM

| WT | | 1.5 | 1.6 | 2 | 2.2 | 2.5 | 2.8 | 3 | 3.5 | 4 | 4.5 | 5 | 5.5 | 6 | 7 | 8 | 9 | 10 | 12 | 14 | 16 | 18 | 20 | 22 | 25 | 28 | 30 | | |
|-----|----------|--------------------|------|------|------|------|------|------|------|------|------|------|------|------|-------|--------|--------|--------|--------|--------|------|------|------|------|----|----|----|--|--|
| OD | | Length min-max (m) | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| nom | toler | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 16 | +/- 0.08 | 5-12 | 5-12 | 5-12 | 5-12 | 5-12 | 5-12 | 5-12 | | | | | | | | | | | | | | | | | | | | | |
| 18 | +/- 0.08 | 5.5-12 | 5-12 | 5-12 | 5-12 | 5-12 | 5-12 | 5-12 | 5-12 | 5-12 | | | | | | | | | | | | | | | | | | | |
| 20 | +/- 0.08 | | | 5-12 | 5-12 | 5-12 | 5-12 | 5-12 | 5-12 | 5-12 | 5-12 | 5-12 | 5-12 | 5-12 | | | | | | | | | | | | | | | |
| 22 | +/- 0.08 | | | 5-12 | 5-12 | 5-12 | 5-12 | 5-12 | 5-12 | 5-12 | 5-12 | 5-12 | 5-12 | 5-12 | | | | | | | | | | | | | | | |
| 25 | +/- 0.08 | | | 5-12 | 5-12 | 5-12 | 5-12 | 5-12 | 5-12 | 5-12 | 5-12 | 5-12 | 5-12 | 5-12 | 5-12 | 5-12 | | | | | | | | | | | | | |
| 26 | +/- 0.08 | | | 5-12 | 5-12 | 5-12 | 5-12 | 5-12 | 5-12 | 5-12 | 5-12 | 5-12 | 5-12 | 5-12 | 5-12 | 5-12 | | | | | | | | | | | | | |
| 28 | +/- 0.08 | | | 5-12 | 5-12 | 5-12 | 5-12 | 5-12 | 5-12 | 5-12 | 5-12 | 5-12 | 5-12 | 5-12 | 5-12 | 5-12 | | | | | | | | | | | | | |
| 30 | +/- 0.08 | | | 5-12 | 5-12 | 5-12 | 5-12 | 5-12 | 5-12 | 5-12 | 5-12 | 5-12 | 5-12 | 5-12 | 5-12 | 5-12 | 5-12 | 5-12 | | | | | | | | | | | |
| 32 | +/- 0.15 | | | 5-12 | 5-12 | 5-12 | 5-12 | 5-12 | 5-12 | 5-12 | 5-12 | 5-12 | 5-12 | 5-12 | 5-12 | 5-12 | 5-12 | 5-12 | 5-12 | 5-12 | | | | | | | | | |
| 35 | +/- 0.15 | | | 5-12 | 5-12 | 5-12 | 5-12 | 5-12 | 5-12 | 5-12 | 5-12 | 5-12 | 5-12 | 5-12 | 5-12 | 5-12 | 5-12 | 5-12 | 5-12 | 5-12 | | | | | | | | | |
| 38 | +/- 0.15 | | | 5-12 | 5-12 | 5-12 | 5-12 | 5-12 | 5-12 | 5-12 | 5-12 | 5-12 | 5-12 | 5-12 | 5-12 | 5-12 | 5-12 | 5-12 | 5-12 | 5-12 | 5-12 | 5-12 | | | | | | | |
| 40 | +/- 0.15 | | | 5-12 | 5-12 | 5-12 | 5-12 | 5-12 | 5-12 | 5-12 | 5-12 | 5-12 | 5-12 | 5-12 | 5-12 | 5-12 | 5-12 | 5-12 | 5-12 | 5-12 | 5-12 | 5-12 | 5-12 | | | | | | |
| 42 | +/- 0.20 | | | 5-12 | 5-12 | 5-12 | 5-12 | 5-12 | 5-12 | 5-12 | 5-12 | 5-12 | 5-12 | 5-12 | 5-12 | 5-12 | 5-12 | 5-12 | 5-12 | 5-12 | 5-12 | 5-12 | 5-12 | 5-12 | | | | | |
| 45 | +/- 0.20 | | | 5-12 | 5-12 | 5-12 | 5-12 | 5-12 | 5-12 | 5-12 | 5-12 | 5-12 | 5-12 | 5-12 | 5-12 | 5-12 | 5-12 | 5-12 | 5-12 | 5-12 | 5-12 | 5-12 | 5-12 | 5-12 | | | | | |
| 48 | +/- 0.20 | | | | | 5-12 | 5-12 | 5-12 | 5-12 | 5-12 | 5-12 | 5-12 | 5-12 | 5-12 | 5-12 | 5-9.5 | 5-10.5 | 5-11.5 | 5-11.5 | 5-10.5 | | | | | | | | | |
| 50 | +/- 0.20 | | | | | 5-12 | 5-12 | 5-12 | 5-12 | 5-12 | 5-12 | 5-12 | 5-12 | 5-12 | 5-12 | 5-8.5 | 5-10.5 | 5-11 | 5-11 | 5-10 | 5-10 | | | | | | | | |
| 51 | +/- 0.20 | | | | | 5-12 | 5-12 | 5-12 | 5-12 | 5-12 | 5-12 | 5-12 | 5-12 | 5-12 | 5-8.5 | 5-10.5 | 5-11 | 5-11 | 5-9.5 | 5-10 | | | | | | | | | |
| 55 | +/- 0.25 | | | | | | | 5-12 | 5-12 | 5-12 | 5-12 | 5-12 | 5-12 | 5-12 | 5-9.5 | 5-9 | 5-10 | 5-11 | 5-9.5 | 5-9.5 | | | | | | | | | |
| 60 | +/- 0.25 | | | | | | | 5-12 | 5-12 | 5-12 | 5-12 | 5-12 | 5-12 | 5-12 | 5-8.5 | 5-8.5 | 5-8.5 | 5-12 | 5-12 | 5-8 | | | | | | | | | |
| 65 | +/- 0.30 | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 70 | +/- 0.30 | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 75 | +/- 0.35 | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 80 | +/- 0.35 | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 85 | +/- 0.40 | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 90 | +/- 0.40 | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 95 | +/- 0.45 | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 100 | +/- 0.45 | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 110 | +/- 0.50 | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 120 | +/- 0.50 | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 130 | +/- 0.70 | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 140 | +/- 0.70 | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 145 | +/- 0.70 | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 150 | +/- 0.80 | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 155 | +/- 0.80 | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 160 | +/- 0.80 | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 165 | +/- 0.80 | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 170 | +/- 0.90 | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 175 | +/- 0.90 | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 180 | +/- 0.90 | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 185 | +/- 0.90 | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 190 | +/- 1.00 | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 195 | +/- 1.00 | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 200 | +/- 1.00 | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 205 | +/- 1.00 | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 210 | +/- 1.00 | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 215 | +/- 1.00 | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 220 | +/- 1.00 | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

P1 and HC1 Category - one cold drawing

P2 and H2 Category-one cold rolling

P3 Category - two cold drawings

P4 Category - one cold rolling and one cold drawing

P5 Category - two cold rollings