

• Alloy steel tubes for machine purposes 機械構造用合金鋼鋼管

JIS G 3441 (JIS認証対象品)

| 種類の記号<br>単位 | 化学成分      |           |           |        |        |       |           |           |       | 製造方法 |     | 仕上方法               |
|-------------|-----------|-----------|-----------|--------|--------|-------|-----------|-----------|-------|------|-----|--------------------|
|             | C         | Si        | Mn        | P      | S      | Ni    | Cr        | Mo        | Cu    | S-C  | E-C |                    |
|             | %         | %         | %         | %      | %      | %     | %         | %         | %     |      |     |                    |
| SCr415TK    | 0.13~0.18 | 0.15~0.35 | 0.60~0.90 | ≦0.030 | ≦0.030 | ≦0.25 | 0.90~1.20 | -         | ≦0.30 | *1   | *2  | 冷間仕上げのまま、または適切な熱処理 |
| SCr420TK    | 0.18~0.23 | 0.15~0.35 | 0.60~0.90 | ≦0.030 | ≦0.030 | ≦0.25 | 0.90~1.20 | -         | ≦0.30 |      |     |                    |
| SCr430TK    | 0.28~0.33 | 0.15~0.35 | 0.60~0.90 | ≦0.030 | ≦0.030 | ≦0.25 | 0.90~1.20 | -         | ≦0.30 |      |     |                    |
| SCr435TK    | 0.33~0.38 | 0.15~0.35 | 0.60~0.90 | ≦0.030 | ≦0.030 | ≦0.25 | 0.90~1.20 | -         | ≦0.30 |      |     |                    |
| SCr440TK    | 0.38~0.43 | 0.15~0.35 | 0.60~0.90 | ≦0.030 | ≦0.030 | ≦0.25 | 0.90~1.20 | -         | ≦0.30 |      |     |                    |
| SCr445TK    | 0.43~0.48 | 0.15~0.35 | 0.60~0.90 | ≦0.030 | ≦0.030 | ≦0.25 | 0.90~1.20 | -         | ≦0.30 |      |     |                    |
| SCM415TK    | 0.13~0.18 | 0.15~0.35 | 0.60~0.90 | ≦0.030 | ≦0.030 | ≦0.25 | 0.90~1.20 | 0.15~0.25 | ≦0.30 |      |     |                    |
| SCM418TK    | 0.16~0.21 | 0.15~0.35 | 0.60~0.90 | ≦0.030 | ≦0.030 | ≦0.25 | 0.90~1.20 | 0.15~0.25 | ≦0.30 |      |     |                    |
| SCM420TK    | 0.18~0.23 | 0.15~0.35 | 0.60~0.90 | ≦0.030 | ≦0.030 | ≦0.25 | 0.90~1.20 | 0.15~0.25 | ≦0.30 |      |     |                    |
| SCM421TK    | 0.17~0.23 | 0.15~0.35 | 0.70~1.00 | ≦0.030 | ≦0.030 | ≦0.25 | 0.90~1.20 | 0.15~0.25 | ≦0.30 |      |     |                    |
| SCM425TK    | 0.23~0.28 | 0.15~0.35 | 0.60~0.90 | ≦0.030 | ≦0.030 | ≦0.25 | 0.90~1.20 | 0.15~0.30 | ≦0.30 |      |     |                    |
| SCM430TK    | 0.28~0.33 | 0.15~0.35 | 0.60~0.90 | ≦0.030 | ≦0.030 | ≦0.25 | 0.90~1.20 | 0.15~0.30 | ≦0.30 |      |     |                    |
| SCM432TK    | 0.27~0.37 | 0.15~0.35 | 0.30~0.60 | ≦0.030 | ≦0.030 | ≦0.25 | 1.00~1.50 | 0.15~0.30 | ≦0.30 |      |     |                    |
| SCM435TK    | 0.33~0.38 | 0.15~0.35 | 0.60~0.90 | ≦0.030 | ≦0.030 | ≦0.25 | 0.90~1.20 | 0.15~0.30 | ≦0.30 |      |     |                    |
| SCM440TK    | 0.38~0.43 | 0.15~0.35 | 0.60~0.90 | ≦0.030 | ≦0.030 | ≦0.25 | 0.90~1.20 | 0.15~0.30 | ≦0.30 |      |     |                    |
| SCM445TK    | 0.43~0.48 | 0.15~0.35 | 0.60~0.90 | ≦0.030 | ≦0.030 | ≦0.25 | 0.90~1.20 | 0.15~0.30 | ≦0.30 |      |     |                    |

\*1 S-C: 冷間仕上継目無鋼管

\*2 E-C: 冷間仕上電気抵抗溶接鋼管

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| 寸法許容差       |       |             |       |          |
|-------------|-------|-------------|-------|----------|
| 外径(D)mm(2号) |       | 厚さ(t)mm(2号) |       | 長さ(L)mm  |
|             | 許容差   |             | 許容差   |          |
| D<25        | ±0.12 | t<2         | ±0.15 | +50<br>0 |
| 25≤D<40     | ±0.15 |             |       |          |
| 40≤D<50     | ±0.18 |             |       |          |
| 50≤D<60     | ±0.20 |             |       |          |
| 60≤D<70     | ±0.23 | t≥2         | ±8%   |          |
| 70≤D<80     | ±0.25 |             |       |          |
| 80≤D<90     | ±0.30 |             |       |          |
| 90≤D<100    | ±0.40 |             |       |          |
| D≤100       | ±0.5% |             |       |          |

上記以外の許容差については、ご相談ください。