

JIS規格 Specifications(JIS)

| 分類 | 規格 (Standard) | 記号 (Symbol) | 製管法 (Manufacturing Method) | 化学成分 (%) (Chemical Composition) | | | | | | | | | 機械的性質 (最小値) (Mechanical Properties) (Minimum) | | 寸法許容差 (Tolerances Dimensions) | | | | | |
|-----|---|----------------|-------------------------------|------------------------------------|------|-------------|-------------------------|-------------------------|----|----|----|---------------|---|---|----------------------------------|----------------------------|------------------------------|-----------|------------------------|----------------------------|
| | | | | C | Si | Mn | P (最大値) (Maximum) | S (最大値) (Maximum) | Ni | Cr | Mo | その他 Etc. | 引張強さ (Tensile Strength) (kg/mm ²) (N/mm ²) | 降伏点 (Yield Point) (kg/mm ²) (N/mm ²) | 外径 (mm) (Outside Diameter) | | 内径 (mm) (inside Diameter) | | 厚さ (mm) (Thickness) | |
| | | | | | | | | | | | | | | | 区分 (Class) | | 区分 (Class) | | | |
| 構造用 | JIS G3473 シリンダチューブ用 炭素鋼鋼管 Carbon Steel Tubes for Cylinder Barrels | STC370 | S | 0.25 | 0.35 | 0.30 ~ 0.90 | 0.040 | 0.040 | | | | | 370 | 215 | 冷間仕上 継目無 | D < 50 ±0.25 D 50 ±0.5% | 冷間仕上 継目無 | 50 < | -0.10 -0.30 | 継目無 ±10%ただし 最小値0.3mm |
| | | STC440 | E | 0.25 | 0.35 | 0.30 ~ 0.90 | 0.040 | 0.040 | | | | | 440 | 305 | | | | 50 ~ 80 | -0.10 -0.40 | |
| | | STC510A | S E | 0.25 | 0.35 | 0.30 ~ 0.90 | 0.040 | 0.040 | | | | | 510 | 380 | | | | 80 ~ 120 | -0.10 -0.50 | |
| | | STC510B | S E | 0.18 | 0.55 | 1.50 | 0.040 | 0.040 | | | | Nb又はV 0.15 | 510 | 380 | | | | 120 ~ 160 | -0.10 -0.60 | |
| | | STC540 | S | 0.25 | 0.55 | 1.60 | 0.040 | 0.040 | | | | | 540 | 390 | | | | 160 ~ 180 | -0.10 -0.80 | |
| | | STC590A | S | 0.25 | 0.35 | 0.30 ~ 0.90 | 0.040 | 0.040 | | | | | 590 | 490 | | | | 180 ~ 200 | -0.10 -0.90 | |
| | | STC590B | S | 0.25 | 0.55 | 1.50 | 0.040 | 0.040 | | | | | 590 | 490 | | | | | | |