

[機械構造用鋼]

| 下村 鋼種記号 | 化学成分(wt%) | | | | | | | | | |
|------------|----------------|----------------|----------------|--------------|------------------|-------------|-------------|----------------|----------------|-------------------|
| | C | Si | Mn | P | S | Cu | Ni | Cr | Mo | Pb |
| S10C | 0.08 - 0.13 | 0.15 - 0.35 | 0.30 - 0.60 | ≤ 0.030 | ≤ 0.035 | - | - | - | - | - |
| S25C | 0.22 - 0.28 | 0.15 - 0.35 | 0.30 - 0.60 | ≤ 0.030 | ≤ 0.035 | - | - | - | - | - |
| S53CYS | 0.53 - 0.56 | 0.15 - 0.35 | 0.60 - 0.90 | ≤ 0.030 | 0.040 - 0.070 | - | Ca 添加 | - | - | - |
| SUM43 | 0.40 - 0.48 | - | 1.35 - 1.65 | ≤ 0.040 | 0.24 - 0.33 | - | - | - | - | - |
| S45CF | 0.42 - 0.48 | 0.15 - 0.35 | 0.60 - 0.90 | ≤ 0.030 | ≤ 0.035 | - | - | - | - | 0.10 - 0.30 |
| S45CFS | 0.42 - 0.48 | 0.15 - 0.35 | 0.60 - 0.90 | ≤ 0.050 | 0.080 - 0.150 | ≤ 0.30 | ≤ 0.20 | ≤ 0.20 | - | 0.15 - 0.35 |
| SCR415 | 0.13 - 0.18 | 0.15 - 0.35 | 0.60 - 0.90 | ≤ 0.030 | ≤ 0.030 | - | ≤ 0.25 | 0.90 - 1.20 | - | - |
| SCR435 | 0.33 - 0.38 | 0.15 - 0.35 | 0.60 - 0.90 | ≤ 0.030 | ≤ 0.030 | - | ≤ 0.25 | 0.90 - 1.20 | - | - |
| SCM415 | 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 | - |
| SCM435 | 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 | - |
| SACM645 | 0.40 - 0.50 | 0.15 - 0.50 | ≤ 0.60 | ≤ 0.030 | ≤ 0.030 | - | ≤ 0.25 | 1.30 - 1.70 | 0.15 - 0.30 | Al 0.70 - 1.20 |