STEEL GRADE DATASHEET · ÇELIK KALITESI FÖYÜ

60Si7

Silicon-Manganese Spring Steel

W.-Nr. **1.5027** | AISI/SAE ≈ **9260** | EURONORM 89 | Delivery **+AR, +A** | Density ≈ **7.80 g/cm³**

CHEMICAL COMPOSITION

ELEMENT	WEIGHT %
C	0.57–0.64
Si	1.50–2.00
Mn	0.60–0.90
P	≤ 0.040
S	≤ 0.040

MECHANICAL PROPERTIES (+QT · EU 89)

SECTION (MM)	R_{EH} MIN MPA	R_M MPA	A MIN %
Ref. +QT	–	1373–1618	5

Hardness Note: After quenching and tempering (EU 89 reference) Rm 1373–1618 MPa, roughly 43–49 HRC (approximate conversion). Annealed delivery hardness depends on the ordering standard; for 56Si7 in EN 10089 it is +A ≤ 248 HB, +S ≤ 280 HB.

INTERNATIONAL EQUIVALENTS

EN 10089	≈ 56Si7 (1.5026) / 61SiCr7 (1.7108)
W.-Nr. (DIN)	1.5027
AISI/SAE	≈ 9260
JIS	≈ SUP6 / SUP7
GOST	≈ 60C2 (60S2)
GB (China)	≈ 60Si2Mn

TYPICAL APPLICATIONS

- Thin-section leaf springs
- Small-section coil springs
- Spring clips and retaining elements
- Spring elements for agricultural machinery
- Formed (shaped) springs
- General engineering springs

Values are given per the relevant standard and are for information only; they do not replace the order specification. They may vary with section size, delivery condition and heat treatment. Binding values are those of the order confirmation and inspection document (EN 10204 3.1).

Quotation and stock
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