STEEL GRADE DATASHEET · ÇELIK KALITESI FÖYÜ

38MnVS6

Microalloyed Forging Steel (EN 10267)

W.-Nr. **1.1303** | EN 10267 | Delivery **+P**

Density **7.85 g/cm³**

CHEMICAL COMPOSITION

ELEMENT	WEIGHT %
C	0.34–0.41
Si	0.15–0.80
Mn	1.20–1.60
P	≤ 0.025
S	0.020–0.060
Cr	≤ 0.30
Mo	≤ 0.08
V	0.08–0.20
N	0.010–0.020

MECHANICAL PROPERTIES (+P)

SECTION (MM)	R_{EH} MIN MPA	R_M MPA	A MIN %
–	520	800–950	12

Hardness Note: +P: Rm 800–950 MPa ≈ 235–280 HB (approximate conversion per EN ISO 18265; EN 10267 specifies strength, not hardness). Values in the part depend on the cooling conditions.

INTERNATIONAL EQUIVALENTS

EN	38MnVS6	**W.-Nr. (DIN)**	1.1303

TYPICAL APPLICATIONS

- Crankshafts
- Connecting rods
- Steering knuckles and stub axles
- Steering arms
- Wheel hubs
- Piston crowns and other automotive forgings

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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