

39NiCrMo3

Nickel-Chromium-Molybdenum Q&T Steel

W.-Nr. 1.6510

AISI/SAE ≈ 9840

EN 10083-3

Delivery +A, +QT

Density 7.85 g/cm³

CHEMICAL COMPOSITION

ELEMENT	WEIGHT %
C	0.35–0.43
Si	≤ 0.40
Mn	0.50–0.80
P	≤ 0.025
S	≤ 0.035
Cr	0.60–1.00
Mo	0.15–0.25
Ni	0.70–1.00

MECHANICAL PROPERTIES (+QT)

SECTION (MM)	R _{EH} MIN MPA	R _M MPA	A MIN %
d ≤ 16	785	980–1180	11
16 < d ≤ 40	685	880–1080	12
40 < d ≤ 100	590	780–930	13

INTERNATIONAL EQUIVALENTS

EN	39NiCrMo3	JIS	≈ SNCM439
W.-Nr. (DIN)	1.6510	GOST	≈ 40XH (40KhN)
AISI/SAE	≈ 9840	BS (UK)	≈ 640M40 (EN111)
ASTM	A29 (9840)	GB (China)	≈ 40CrNiMoA

TYPICAL APPLICATIONS

- Shafts, axles and spindles
- Gears and pinions
- Connecting rods
- High-strength bolts and studs
- Machine parts under dynamic load
- Forged automotive and machine parts

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

info@aktifcelik.com · +90 216 606 24 60

[aktifcelik.com/en/celik-kalitesi/39nicrmo3](mailto:info@aktifcelik.com)