

25CrMo4

Chromium-Molybdenum (Chromoly) Q&T Steel

W.-Nr. 1.7218

AISI/SAE 4130

EN 10083-3

Delivery +A, +N, +QT

Density 7.85 g/cm³

CHEMICAL COMPOSITION

ELEMENT	WEIGHT %
C	0.22–0.29
Si	≤ 0.40
Mn	0.60–0.90
P	≤ 0.025
S	≤ 0.035
Cr	0.90–1.20
Mo	0.15–0.30

MECHANICAL PROPERTIES (+QT)

SECTION (MM)	R _{EH} MIN MPA	R _M MPA	A MIN %
d ≤ 16	700	900–1100	12
16 < d ≤ 40	600	800–950	14
40 < d ≤ 100	450	700–850	15

INTERNATIONAL EQUIVALENTS

EN	25CrMo4	JIS	SCM430
W.-Nr. (DIN)	1.7218	GOST	≈ 25XM (25KhM)
AISI/SAE	4130	BS (UK)	≈ CDS110 (1717)
ASTM	A29 / A519 (4130)	GB (China)	≈ 30CrMo

TYPICAL APPLICATIONS

- Aircraft and aerospace fuselage tubing
- Chromoly bicycle and motorcycle frames
- Seamless high-pressure tubes
- Hydraulic cylinders and pistons
- Roll cages and race chassis
- Oil & gas drilling equipment

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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