

20NiCrMo2-2

Ni-Cr-Mo Case-Hardening Steel

W.-Nr. 1.6523

AISI/SAE 8620

EN 10084

Delivery +A, +TH

Density 7.85 g/cm³

CHEMICAL COMPOSITION

ELEMENT	WEIGHT %
C	0.17-0.23
Si	≤ 0.40
Mn	0.65-0.95
P	≤ 0.025
S	≤ 0.035
Cr	0.35-0.65
Mo	0.15-0.25
Ni	0.40-0.70

INTERNATIONAL EQUIVALENTS

EN	20NiCrMo2-2	JIS	SNM220
W.-Nr. (DIN)	1.6523	GOST	≈ 20XHM (20KhNM)
AISI/SAE	8620	BS (UK)	≈ 805M20 (EN362)
ASTM	A29 (8620)	GB (China)	≈ 20CrNiMo

TYPICAL APPLICATIONS

- Heavy-duty transmission gears
- Differential and pinion gears
- Camshafts and shafts
- Carburized bearing components
- Sprockets and drive elements
- Heavy machinery drivetrain 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

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