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X15TN Martensitic Stainless Steel

X40CrMoVN16-2 | UNS S42025 | EN 1.4123

Manufacturer reference: Aubert & Duval X15TN. Values below are grade-level published ranges.

Item	Published grade information
Grade	X15TN; UNS S42025; X40CrMoVN16-2; W.Nr. 1.4123
Carbon (C)	0.37 - 0.45 wt%
Chromium (Cr)	15.00 - 16.50 wt%
Molybdenum (Mo)	1.50 - 1.90 wt%
Vanadium (V)	0.20 - 0.40 wt%
Nitrogen (N)	0.16 - 0.25 wt%
Silicon / manganese	0.60 wt% max each
Nickel (Ni)	0.30 wt% maximum
Common forms	Round bar; verify dimensions and supply condition
Condition	Annealed, quenched and tempered as ordered
Typical applications	Cutting blades, surgical instruments, friction components

ORDERING AND PROCESSING

Specify exact grade, bar form, condition and customer material specification.

Define starting and finished OD, grinding allowance, surface finish, straightness, length and quantity.

For medical uses, verify required qualification and regulatory documentation separately.

SOURCE AND LIMITATIONS

Aubert & Duval: X15TN technical brochure and manufacturer grade page.

These are grade reference limits, not a material test report or guarantee of availability.

Certificate of conformity and exact standard must be confirmed for every order.