

voestalpine HIGH PERFORMANCE METALS

AISI 8620 / 1.6523 / EN362

DESCRIPTION

Low nickel/chromium and molybdenum general purpose case hardening steel, suitable for comparatively light stressed components.

NEAREST STANDARDS

AISI	DIN	BS	SAE
8620	1.6523 / 21NiCrMo2	EN362	8620H

CHEMICAL ANALYSIS (%)

C	Si	Mn	Ni	Cr	Mo	S	P
0.20	0.25	0.80	0.50	0.50	0.25	-	-

HEAT TREATMENT (RECOMMENDED)

Forge	850-1150c. Cool in lime, sand or ash.
Normalise	850-880c. Air cool.
Anneal	850c Cool slowly in controlled furnace.
Carburise	850-930c Furnace or air cool.
Core Refine	780-820c Oil quench
Temper	850-880c Oil quench or air cool.

MECHANICAL PROPERTIES (HEAT TREATED)

Tensile Mpa (Rm)	Impact Toughness (J)	Elongation (%)	Hardness (HB)
850	20	11	-

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AISI 8420 / 1.6587 / E110

SUPPLY CONDITION

Annealed

SURFACE TREATMENT

Peeled & Polished

PERFORMANCE IS IN OUR DNA

voestalpine High Performance Metals is the global market leader in the production of tool steels and one of the world's leading suppliers of high-speed steels, valve steels, special steels, powder metallurgy steels, and nickel-based alloys. We also manufacture die-forged components and large castings from nickel-based alloys and high, medium and low alloy steels.

Customers rely on our key brands of Bohler, Uddeholm and Villares, to set the highest standards of innovation, quality and service across a wide range of industries including automotive, aerospace, consumer electronics and oil & gas. We are fully integrated from steel production through to local customer sales, ensuring we keep our customers One Step Ahead.

EXPLORE WHAT IS POSSIBLE.



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ONE STEP AHEAD.