voestalpine HIGH PERFORMANCE METALS
AISI 1030 / 1.0528 / G10300

DESCRIPTION

1030 steel is a high carbon steel, and has moderate strength and hardness in the as-rolled condition. It can be hardened and strengthened by cold work. It also has fair machinability, ductility and good weldability.

NEAREST STANDARDS

AISI	DIN	BS	UNS
1030	1.0528 (C30)	EN5B	G10430

CHEMICAL ANAYLSIS (AVE %)

C	Si	Mn	Ni	Cr	Mo	S	P
0.30	0.25	0.75	-	-	-	0.04	0.04

HEAT TREATMENT (RECOMMENDED)

Carburize	Not Recommended.
Harden	850-880c. Water quench.
Temper	180-210c. Air cool.

MECHANICAL PROPERTIES (REFERENCE)

	Tensile Strength (MPa)	Yield Strength (MPa)	Elongation (%)
Cold Drawn	520-850	410-670	10-12
Turned & Polished	500-630	230-350	22

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SUPPLY CONDITION

As Rolled

SURFACE TREATMENT

Cold Drawn (H10)
Turned & Polished (H11)

SIZE RANGES

For stocked sizes and to view availability at your local branch, visit the vHPM Austalia Webshop

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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