AERMET 100 STAINLESS STEEL - AMS 6532

Aermet 100 steel (AMS 6532) has a high hardness and strength combined with very good toughness and ductility. Aermet 100 is generally used for applications that require high strength, high fracture toughness and good resistance to stress corrosion cracking and fatigue.

Specific Gravity

7.9 g/cm3

Typical Applications	Related Specifications
Landing Gear	**AMS** 6532
Drive Shafts	**UNS** K92580
Fasteners	
Actuators	
Jet Engine Shafts	

Chemical Composition

	C	Al	Co	Cr	Mn	Mo	N	Ni	O	P	S	S+P	Si	Ti	Fe
Min	0.21	–	13	2.9	–	1.1	–	11	–	–	–	–	–	–	Bal
Max	0.25	0.015	14	3.3	0.1	1.3	0.0015	12	0.002	0.008	0.005	0.01	0.1	0.015	–

Typical Mechanical Properties after heat treatment

	0.2% Proof Stress	Tensile Strength	Elongation	Reduction of area
	MPA	MPA	%	%
	Min	Min	Min	Min
Longitudinal	1620	1931	10	55
Transverse	1620	1931	8	45

General Enquiries

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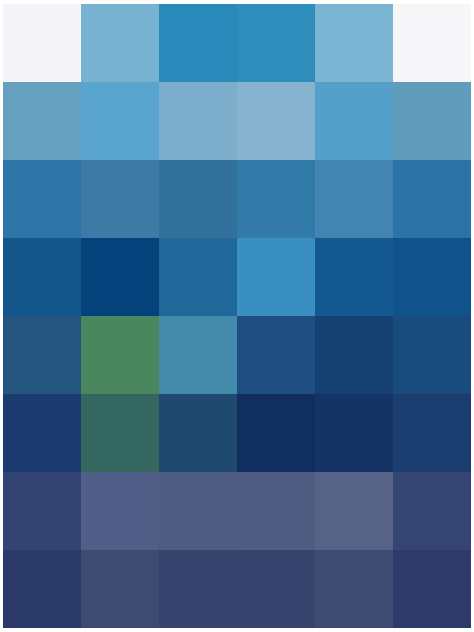

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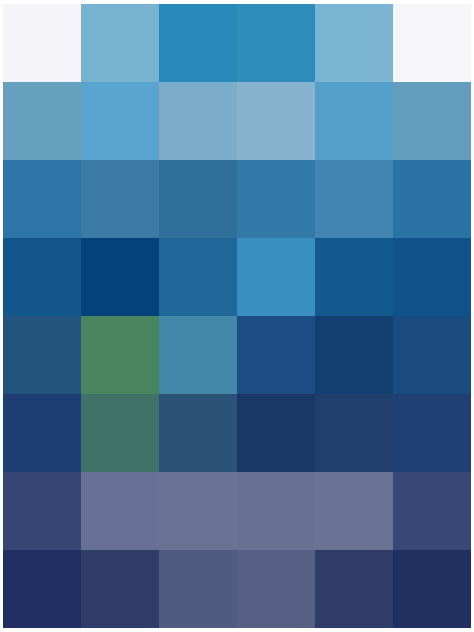

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