

ALLOY 4330

Chemical Composition			Mechanical Properties		Applications
Element	Min	Max	Tensile Strength	850-930 Mpa	Aircraft structural components and Aircraft seating rails
C	0.38	0.43	0.2% Yield Strength	570-770 Mpa	Shaft, Milling spindles, Drill collar and Steel piston rod
Si	0.15	0.35	Elongation	14-17%	Steel conveyors and rolls
Mn	0.75	1.00	Hardness	24-28 HRC	Slides
P		0.035	Density	7.75 gr/cm ³	Gears
S		0.04			Machinery parts
Cr	0.80	1.10	Related Specification		Bolts & Nuts
Mo	0.15	0.25	AMS 6349	ASTM A194 (7,7M)	
Fe	BAL	BAL	AMS 6381	ASTM A194 (B7,B7M)	Characteristics
			AMS 6382	ASTM A513	High strength and high toughness
			AMS 6390	ASTM A829	Good torsional and fatigue Strength
			AMS 6395	ASTM A711	Excellent Weldability