

## PRODUCT INFORMATION

### MECHANICAL PROPERTIES

#### PRODUCT ROD - ALLOY C17200 - ALLOY 25

Diameter Minimum	Diameter Maximum	TEMPER	SPECIFICATION	TENSILE Strength ksi	YIELD Strength ksi	% Elongation	HARDNESS		Grain Size (mm)	% Beta
							Rc	Rb		
1.25	3.0	A/TB00	ASTM B196 AMS 4650 QQ-C 530 RWMA Class IV	60-85	20 min	20 min		45-85	0.075 mm max	6% max
		AT/TF00	ASTM B196 AMS 4533A QQ-C 530 RWMA Class IV	165-200	145 min	4 min	36-42		0.075 mm max	6% max
		H/TD04	ASTM B196 AMS 4651 QQ-C 530 RWMA Class IV	85-115	75 min	8 min		88-101	0.075 mm max	6% max
		HT/TH04	ASTM B196 AMS 4534 QQ-C 530 RWMA Class IV	175-215	150 min	3 min	37-44		0.075 mm max	6% max
3.0	7.0	A/TB00	ASTM B196 AMS 4650 QQ-C 530 RWMA Class IV	60-85	20 min	20 min		45-85	Consult Mill	6% max
		AT/TF00	ASTM B196 AMS 4533A QQ-C 530 RWMA Class IV	165-200	145 min	3 min	36-42		Consult Mill	6% max
		H/TD04	ASTM B196 AMS 4651 QQ-C 530 RWMA Class IV	Consult Mill					Consult Mill	6% max
		HT/TH04	ASTM B196 AMS 4534 QQ-C 530 RWMA Class IV	Consult Mill					Consult Mill	6% max

Note: Elongation measured as 4 times the diameter  
 Note: Yield Strength 0.2% offset

#### PRODUCT TUBING - ALLOY C17200 - ALLOY 25

Wall Thickness Minimum	Wall Thickness Maximum	TEMPER	SPECIFICATION	TENSILE Strength ksi	YIELD Strength ksi	% Elongation	HARDN ESS Rc	Grain Siz e mm	% Beta
1	1.5	AT/TF00	ASTM B643 AMS 4535 QQ-C 530	161 min	130 min	3 min	36-45	0.075 mm max	6% max
1.5	2	AT/TF00	ASTM B643 AMS 4535 QQ-C 530	161 min	130 min	3 min	36-45	0.100 mm max	6% max

Note: Elongation measured as 4 times the diameter  
 Note: Yield Strength 0.2% offset

### CHEMICAL PROPERTIES

	ALLOY C17200
% Beryllium	1.80-2.00
% Nickel	
% Cobalt	
% Cobalt + Nickel	0.20 min
% Cobalt + Nickel + Iron	0.6 max
% Iron	
% Aluminum	0.20 max
% Silicon	0.20 max
% Copper	Remainder