



COLUMBIA METALS LTD

The First Name in Non-Ferrous & Stainles Stockholding

ALLOY A-286

ASTM A638: S66286 ♦ GRADES 660A & 660B

ROUND ROD STOCK LIST

Diameter	Weight		Diameter	Weight		Diameter	Weight	
	kg/ft	kg/m		kg/ft	kg/m		kg/ft	kg/m
1/2"	0.31	1.00	1 1/2"	2.76	9.07	70mm	9.35	30.69
5/8"	0.50	1.64	1 5/8"	3.26	10.70	3"	11.07	36.33
3/4"	0.69	2.26	1 3/4"	3.76	12.34	80mm	12.26	40.22
20mm	0.75	2.47	1 7/8"	4.33	14.22	3 1/4"	13.04	42.78
7/8"	0.98	3.23	2"	4.91	16.10	3 1/2"	15.04	49.36
1"	1.22	4.01	55mm	5.75	18.87	3 3/4"	17.32	56.83
1 1/8"	1.56	5.12	2 1/4"	6.21	20.40	4"	19.64	64.40
1 1/4"	1.92	6.29	60mm	6.84	22.45	5"	30.68	100.68
1 3/8"	2.34	7.68	2 1/2"	7.67	25.17	6"	44.28	145.32

OTHER SIZES QUOTED ON REQUEST

ALLOY A-286 is special corrosion,oxidation and heat resistant, precipitation hardenable austenitic stainless steel. It is designed for long-term, high strength service up to 700°C. It is non-magnetic even after severe cold deformation. The alloy has good oxidation resistance in continuous service up to 800°C. ALLOY A-286 has good machineability and machines best in the precipitation hardened condition when it has a Machineability Rating 45% that of AISI1212 free-cutting grade. ALLOY A-286 is used mainly in the precipitation hardened condition.

Typical applications include turbine shafts, aero engine components, high performance fasteners for aerospace, chemical, petrochemical and offshore equipment, critical pump and valve components for aggressive petrochemical and offshore oil and gas production.

NOMINAL COMPOSITION: 26% nickel 15% chromium 1.25% molybdenum 2% titanium 0.4% vanadium 0.35max aluminium 0.08%max carbon 1.5% manganese 0.7% silicon Remainder iron.

MECHANICAL PROPERTIES: (Specification minima for all sizes)

UTS 895 N/mm² 0.2% PS 585N/mm² Elongation 15% Reduction of Area 18% Hardness 248 HB min for precipitation hardened grades but hardness must not exceed 330 HB max to meet NACE MR0175 requirements.

Stress rupture requirements: samples must meet minimum elongation of 3% when tested at 650°C after minimum period of 23 hours at 650°C

FOR IMMEDIATE QUOTATION CONTACT

London & South
Wingfield Mews,
Wingfield Street,
Peckham,
London SE15 4LH
Tel: 020 7732 1022
Fax: 020 7732 1029

Midlands & Wales
Tittle Bawk Avenue,
Wellingborough Road,
Earls Barton,
Northants NN6 0LA
Tel: 01604 810191
Fax: 01604 812889

North, Scotland & Exports
Union Street South,
Halifax,
West Yorkshire,
HX1 2LA
Tel: 01422 343026
Fax: 01422 346587

Website: www.columbiametals.co.uk
Email: sales@columbiametals.co.uk