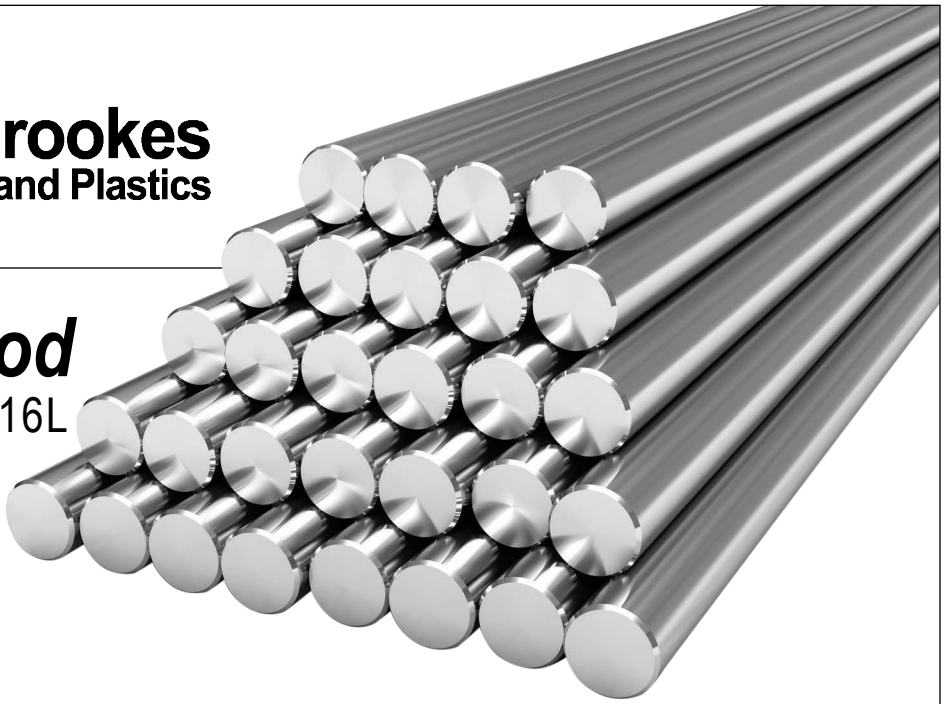


E. Jordan Brookes
Engineered Metals and Plastics



Stainless Steel Rod

303 · 304 · 304L · 316 · 316L

- Local Availability
- Certified to Multiple Specifications
- True Mill Flats Available
- Corrosion Resistant, Ideal for Food Applications
- Hex and Square Bars Available
- High Strength Corrosion Resistant
- Generally Formable and Bendable
- Lack of Magnetism makes it Desirable for Instrumentation
- Corrosion Resistant in Welded Construction
- RoHS and DFARS Compliant
- Quick Turnaround and Delivery



RoHS

DFARS
 COMPLIANT



ISO 9001
 AS9120



Local
 Delivery



Certification and
 Traceability to
 Source



Close Tolerance
 Sawing



Custom Packaging



Stenciling



Technical Support
 & Application
 Engineering

The E. Jordan Brookes Company has serviced industry requirements with new generation materials and processing for over 75 years. As a family owned business we stand behind each transaction by pledging our personal assurance of quality and performance. This tradition coupled with our seasoned engineering based sales staff, multi-generational relationships with top tier suppliers, and diverse local product mix makes EJB a valuable partner to support your material needs. Contact us today; you will be impressed by our large inventory, tight tolerance processing and can-do attitude.

Santa Fe Springs Location
 10634 Shoemaker Avenue
 Santa Fe Springs, CA 90670
 Phone: 562.968.2100
 FAX: 562.968.2110

Fremont Location
 4121 Business Center Drive
 Fremont, CA 94538
 Phone: 510.770.1500
 FAX: 510.770.1510

www.ejbmets.com/stainless
info@ejbmets.com
800.326.3376

303

ASTM-A582, AMS-5640
Easy to Machine and Non-Seizing
Physical Properties

Density	0.289	Lbs. per cubic inch @ 68°F (annealed)
Modulus	28	Elastic modulus in tension x 10 ⁶ P.S.I.
Electrical Conductivity	7.2	microhm-cm
Thermal Expansion	9.9	Inches per inch x 10 ⁻⁶ from 68°F to 572°F

Mechanical Properties

Tensile Strength	75 Min.	x 1000 P.S.I.
Yield Offset	30 Min.	0.2% offset x 1000 P.S.I.
Elongation	50	% in 2 Inches
Hardness	B83	Rockwell (100kgf Steel Sphere)

Availability Round (0.0625" - 10" Diameter), Flat (0.125" - 2.5" Thick, 0.5" - 6" Wide), Hex (0.1875" - 3") and Square (0.1875" - 3")

304

ASTM-A276, AMS-5639
General Machining and Corrosion Resistance
Physical Properties

Density	0.289	Lbs. per cubic inch @ 68°F (annealed)
Modulus	28	Elastic modulus in tension x 10 ⁶ P.S.I.
Electrical Conductivity	2.4	% IACS at 68°F (annealed)
Thermal Expansion	9.9	Inches per inch x 10 ⁻⁶ from 68°F to 572°F

Mechanical Properties

Tensile Strength	75 Min.	x 1000 P.S.I.
Yield Offset	30 Min.	0.2% offset x 1000 P.S.I.
Elongation	40 Min.	% in 2 Inches
Hardness	187 Max	Brinell (Hardened Steel Ball)

Availability Round (0.0625" - 10" Diameter), Flat (0.125" - 2.5" Thick, 0.5" - 6" Wide), Hex (0.375" - 3") and Square (0.1875" - 3")

304L

ASTM-A376, AMS-5647
Multipurpose with Low Carbon for Higher Temp Applications
Physical Properties

Density	0.284	Lbs. per cubic inch @ 68°F (annealed)
Modulus	28	Elastic modulus in tension x 10 ⁶ P.S.I.
Electrical Conductivity	2.4	% IACS at 68°F (annealed)
Thermal Expansion	9.9	Inches per inch x 10 ⁻⁶ from 68°F to 572°F

Mechanical Properties

Tensile Strength	75 Min.	x 1000 P.S.I.
Yield Offset	30 Min.	0.2% offset x 1000 P.S.I.
Elongation	40 Min.	% in 2 Inches
Hardness	187 Max	Brinell (Hardened Steel Ball)

Availability Round (0.0625" - 10" Diameter), Flat (0.125" - 2.5" Thick, 0.5" - 6" Wide), Hex (0.375" - 3") and Square (0.1875" - 3")

316

ASTM-A276, AMS-5648
High Corrosion Resistance
Physical Properties

Density	0.290	Lbs. per cubic inch @ 68°F (annealed)
Modulus	28	Elastic modulus in tension x 10 ⁶ P.S.I.
Electrical Conductivity	2.2	% IACS at 68°F (annealed)
Thermal Expansion	9	Inches per inch x 10 ⁻⁶ from 68°F to 572°F

Mechanical Properties

Tensile Strength	75 Min.	x 1000 P.S.I.
Yield Offset	30 Min.	0.2% offset x 1000 P.S.I.
Elongation	30 Min.	% in 2 Inches
Hardness	255 Max	Brinell (Hardened Steel Ball)

Availability Round (0.125" - 10" Diameter), Flat (0.125" - 2.5" Thick, 0.5" - 6" Wide), Hex (0.5" - 3") and Square (0.25" - 3")

316L

ASTM-A276, AMS-5653
High Corrosion Resistance with Low Carbon for Higher Temps
Physical Properties

Density	0.290	Lbs. per cubic inch @ 68°F (annealed)
Modulus	28	Elastic modulus in tension x 10 ⁶ P.S.I.
Electrical Conductivity	2.2	% IACS at 68°F (annealed)
Thermal Expansion	9	Inches per inch x 10 ⁻⁶ from 68°F to 572°F

Mechanical Properties

Tensile Strength	75 Min.	x 1000 P.S.I.
Yield Offset	30 Min.	0.2% offset x 1000 P.S.I.
Elongation	30 Min.	% in 2 Inches
Hardness	255 Max	Brinell (Hardened Steel Ball)

Availability Round (0.125" - 10" Diameter), Flat (0.125" - 2.5" Thick, 0.5" - 6" Wide), Hex (0.5" - 3") and Square (0.25" - 3")