

Mechanical Lab	Metallurgical Lab	Chemistry Lab	Sample Prep	Corrosion Lab
24 hour Hardness	Alpha Case	Alloy Steel	2 ton Crane	Abrasion Test
A Bar	AMS 2301	Aluminum	3-Point Bend	Acid Resistance
AASHTO	AMS 2315	ASTM E1019	4 Point Bends	Alkali Resistance
Age	ASTM A262	ASTM E1086	Age	Antifreeze Resistance
Axial Tensile	ASTM E1077	ASTM E415	Anneal	Appearance
B Bar	ASTM E1268	Brass	Austenitize	Burnishing Test
Ball Punch Deformation	ASTM E3	Chips	Bake	CASS*
Banding	ASTM E45	Copper	Cavitation Test Specimens	Chip Resistance*
Bend and Flatten Test	ASTM E883	Ferrite	Chevron Notch	Coating Adhesion
Bend Test (Flexure)	ASTM E112	Hadfield Manganese	CNC Lathes	Coating Evaluations
Brackets	ASTM E930	ICP*	CNC Machining Center	Color
Brinell Hardness	ASTM E340	Iron	Combo	Cross Hatch
Bungee Cords	ASTM E381	J-Melt	Compression Creep	Cure Test
C Bar	ASTM E407	Kel-Melt	Compression Yield	Cyclic Test
Cables	Banding / Orientation of Microstructures	LECO Carbon & Sulfur	Corrosion Cylinders	Differential Oil Resistance
Cargo Rings	Carburization	LECO Hydrogen, Nitrogen, Oxygen	Creep Specimens	Dime Scrape
Cast Bar	Case Depth	Low Alloy	Decarb Specimens	File Hardness
Certified Welding Inspector (CWI)	Chord Method	Nickel	Drill & Tap	Gasoline Dip
Chains	Chrome Hardness	OES (Spectrographic Analysis)	Drop Weight Specimens	Gasoline Puddle
Charpy Keyhole	Coating Thickness	Stainless Steel	Fatigue Specimens	Gloss
Charpy U-Notch to -320°F	Coating Type	Steel	Grinding	Gravelometer*
Charpy V-Notch to -320°F	Coating Weight	Titanium	Heat resistance	Grind Saw
Chevron Notch	Conductivity	Tool Steel	Heavy Cut Mill Machine	Hot Oil Resistance
Clampload	Consultation	XRF*	Hydraulic Shear	Humidity
Clevises	Decarb (Complete & Partial)		Izods	Impact Resistance
Cone Strip	Decarb Referee		Machine Test Specimens	Luster
Crush Test	Density Test		Milling	Outgassing
Custom Testing	Depth of Decarburization		Normalize	Panels
Cycle Test	Engineering		Notch Bars / Panels	Pencil Hardness
Deembrittlement	Failure Analysis		Post Weld PWHT	Salt Spray

Dimensional	Ferrite Rating		Rotating Rods	Solvent Resistance
DIN	GM 9095P		Step Downs	Tape Adhesion
Double Shear	Grain Boundaries		Stress Relieve	Thumbnail
D-Ring	Grain Flow		Temper	Transmission Resistance
Drive Test	Grain Size		Wear Specimens	Water Resistance
Ductility	Graphite in Castings		Wire EDM	Windshield Resistance
Elevated Temperature	Hardness Surveys			
Elongation 4D 5D	IGO / IGA			
Erichsen	Image Analysis			
Eyebolts	Inclusion Rating			
Eyenuit	Intergranular Corrosion IGA (Method A)			
Face Bend	Intergranular Corrosion IGA (Method E)			Non-Destructive (NDT)
Fastener Testing	J-K Rating			AMS 2301
Fillet Weld Test	Knoop & Vickers			Frequency / Severity
Flaring (Flare)	Macroetch			Microcleanliness
Flattening	McQuaid EHN			MT – Mag Particle*
Flex Test	Metallographic Evaluations			PT – Liquid Penetrant*
Fracture Toughness	Metallurgical Services			RT – X-Ray*
Free-Bend Test	Microcleanliness			UT – Ultrasonic*
Full Size Testing	Microetch			VT - Visual Inspection
Full Thickness Plate	Microhardness			
Guided-Bend Test	Microstructure			
Hardness	Mount & Polish			
High Hardness	Nodularity			
Hoist Rings	Oxidation / Corrosion			
HR15N, HR30N, HR45N	Phases austenite			
HR15T, HR30TW, HR45T	Phases ferrite			
HRA, HRB HRC, HRD, HRE	Phases martensite			
HRF, HRG, HRH, HRK	Phases pearlite			
Hydrogen Embrittlement	Photomacrograph			
ICI Bar	Photomicrograph			

Impact Testing	Plating Thickness			
Insulators	Plating Type			
ISO	Reverse Engineering			
Jacks	Scanning Electron Microscopy SEM			
JIS	Single Spot Test			
Jominy End Quench Hardenability	Spot Test			
Joules	Total Both Sides - TBS			
K Values	Total Case Depth - TCD			
K <sub>IC</sub> or K <sub>Q</sub>	Triple Spot Test			
Knoop	Visual Case Depth -VCD			
Load Test	Visual Examine			
Modulus	White Layer Thickness			
Notch Bar				
Olsen Cup				
Poisson's Ratio				
Prevailing Torque				
Procedure Qualification Record (PQR)				
Profilometer				
Proofload, Wedge, Axial				
Pull Test				
PWHT Post Weld				
R Bar				
R Value & N Values				
Ramps				
Rebar				
Refrigeration to -320°F				
RoCap				
Rockwell Hardness				
Root Bend				
Rotational Capacity to 2"				
Screen Test				
Semi-Guided-Bend Test				

Shackles				
Shear (Single or Double)				
Single Shear				
Straps				
Stress Durability				
Stress Relieve				
Stress Rupture				
Stress Strain Charts				
Strip Test				
Superficial Hardness				
Tensile				
Tension Test				
Tiedowns				
Torque Test				
Tow Hooks				
Tubes				
Turnbuckles				
Vickers				
Wedge Tensile				
Wedge/Axial Tensile				
Weld Inspection				
Weld Testing				
Welder Certification Card				
Welding Procedure Specifications (WPS)				
Wire				
Wraparound				
Yield				
Young's Modulus (E)				