## Fasteners

### Bolts & Studs
- ASTM A193 B7, B8 Class 1&2, B8M Class 1&2
- Bolt Retainers
- Carriage Bolts
- Eye Bolts
- Hex Flange 12-Point
- High Strength Structural Boltung
- Lag Bolts
- Large Diameter - To 3-1/2’ / M64
- Plow Bolts
- Rod Ends
- Square Head
- Studs, Self-Clinching
- Track Bolts

### Nuts
- Acorn Nuts
- All-Metal Locknut
- ASTM A194 2H, 2HM
  - Grade 7, 8, 8M
- Cap Nuts
- Chassis Fasteners
- Coupling Nuts
- Expansion Nuts
- Grade 2, 5, 8
  - Class 8.8, 10.9, 12.9
- Hex Flange & Serrated Flange
- Threaded Inserts
- Keps, Conical Washer Nuts
- Machine Screw Nuts
- Nylon Insert Locknuts
- Nylon, Stainess, Brass, Exotic Alloys
- PalNuts®
- Push Nuts
- Nut Retainers
- Rivet Nuts
- Security Nuts
- Self-Clinching Nuts
- Slotted Nuts
- Speed Nuts
  - Flat, Bracket, J, U
- Square Nuts
- Weld Nuts
- Wheel Nuts
- Wing Nuts

### Panel & Case Hardware
- Bushings & Grommets
- Catches and Strikes
- Cordgrips
- Handles
- Hole Plugs
- Jack Screws
- Latches
- Magnets
- Panel Screws
- Quick Access Fasteners

### Socket & Hex Cap Screws
- Button Head Cap Screws
- Flat Head Socket Cap Screws
- Grade 2, 5, 8; Class 8.8, 10.9, 12.9
- Heavy Hex
- Socket Cap Screws - Alloy
- Socket Pipe Plugs
- Socket Set Screws
- Socket Shoulder Screws
- Stainless

### Spacers & Standoffs
- Circuit Board Supports
- Female Standoffs
- Male-Female Standoffs
- Male-Male Standoffs
- Self-Clinching Spacers
- Self-Clinching Standoffs
- Spacers
- Swage Standoffs

### Machine & Tapping Screws
- **Clips, Clamps & Ties**
  - Cable Clamps
  - Cable Tie Mounts
  - Cable Ties
  - Hooks, Self-Clinching
  - Panel Clips
  - Trim Clips
  - U, J and S Clips

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- **Machine & Tapping Screws**
  - **Miniature**
  - Nylon, Stainless, Brass
  - Pan, Truss, Flat, Hex, Hex Washer Head, Oval
  - Screws for Plastics
  - Self-Drilling Screws
  - Self-Sealing Screws
  - Sems
  - Shoulder Screws
  - Thread Cutting
  - Thread Forming - for Die Cast
  - Thread Forming - for Metal
  - Thread Forming - for Plastic
  - Thread Forming - for Thin Sheets
  - Wing Screws

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Engineered Coatings

In addition to a wide range of standard platings and surface treatments, IRWIN offers these engineered coatings for harsh-environment applications.

GEOMET® is a Chromium-Free, water-based, inorganic coating that provides corrosion protection for steel components. GEOMET® was developed as a solution to the environmental regulations enacted by the government and automotive industry and is the next generation of coating technology.

DACROMET® is a water-based inorganic coating that provides corrosion protection for steel components. DACROMET® is the leading inorganic coating specified by automotive companies worldwide and is a proven coating system in many industries.

DACROMET® LTX (Long Term eXposure) - Two years of laboratory and field testing show that fasteners coated with the DACROMET® LTX finish perform very well when installed to ACQ treated wood. DACROMET® LTX provides better corrosion protection than Hot Dipped Galvanizing and is less expensive than Stainless Steel.

DACROLUB® Topcoats were developed to complement the DACROMET® coating and provide consistent torque-tension characteristics to ease in assembly.

Pre-Applied Materials for Fasteners

IRWIN offers innovative solutions from ND Industries for application to many of our threaded fasteners. Pre-applied materials increase fastener performance, reduce parts-count, speed assembly, extend product-life and ensure consistency.

INERT THREAD LOCKING
Also known as prevailing torque, this process uses a mechanical force to create a secure lock that is resistant to vibration, shock, and related slippage. The fastener can typically be removed and reused.

REACTIVE THREAD LOCKING
Once installed into a mating part, a strong chemical bond is formed, preventing slippage from shock and vibration while helping to seal fastening points against gas and liquid leakage.

MASKING & LUBRICATING
Formulated to ease the assembly process and to protect fastening parts against exposure to undesirable substances that can adhere to uncoated fasteners.

ASSEMBLY AIDS
Designed to make assembly safer, easier and faster by reducing application errors and worker fatigue.

ADVANCED SEALING
ND pre-applied sealants are designed to withstand a wide range of pressures, chemical fluids and gases while reducing the chance of a fastener loosening.

Procurement Services

Whether you need help with a first time / one time buy from a new vendor for a flat dollar amount fee, or you need us to manage a portion of your supplier community on an ongoing basis for a small percentage of the invoice value, we have the resources and business process to support the cause.

Which of these can you relate to?

Scenario 1
You need to make a rush purchase from a vendor with whom you have never dealt. It could be for a penny part or a ‘class A’ item, from anywhere on the globe. It takes you days to get a new vendor entity pushed through channels and set up in your system so you can issue a PO - by which time you are expected to have the part on your dock.

Scenario 2
You have a highly fragmented vendor base, and just too many transactions and suppliers to manage given the resources at your disposal. Things are slipping through the cracks. Another body in your department is not an option.

Our customers have been faced with these scenarios and we have answered the call with our fee-based procurement services. Nimble response and flawless execution at a reasonable cost.
Automated alerts keep lines up and running

Keeping your bins full just got a lot easier – and a lot faster. Each IRWIN Intelligent Bin automatically detects inventory levels and instantly sends alerts, eliminating the need for counting trips and “milk runs”. That means no more safety stock, no more emergency orders, and more importantly, no more lines down. It’s the automated, lean bin solution you’ve been waiting for.

Maximize profits from every square foot

Waste and inefficiency can hide where you least expect. With IRWIN Intelligent Bins, you can take control and find new productivity and savings across your entire operation.

Multiple detection levels

IRWIN Intelligent Bin Systems work with the Apex Trajectory Cloud™ platform to provide data on up to five levels of fill-status per bin. You’ll get 24/7 visibility, insights, and analysis to optimise your operations, inventory and processes. You’ll also eliminate disruptive and expensive out-of-stocks, thanks to multi-level monitoring and automated reorder alerts sent straight to IRWIN for informed replenishment.

Streamline your supply chain

Consolidation of vendors across many possible part categories means fewer orders and expedites, while providing economies of scale, lowering incoming freight costs, improving quality interaction, and increasing trust. You get reduced, but assured, inventory, and space-savings; allowing your organization to optimize your resources, focus on core competencies, and meet strategic goals.

Keep bins full and lines running

IRWIN Intelligent Bin Systems eliminate inefficient manual bin counts and stock outs. That keeps production lines and assembly cells non-stop productive – and profitable.

It’s time to take control

Discover how IRWIN Intelligent Bin Systems can help you reduce wasted steps, ensure more accurate and less costly processes, and achieve true productivity across your organization.

Bins

Double-wide interiors
8.5" W x 5.5” H x 10.75” D
Capacity 500 cubic inches

Single-wide interiors
4” W x 5.5” H x 10.75” D
Capacity 235 cubic inches

Bench-top Shelf Units
W x D (inches)
44 x 13

Floor-standing Shelf Units
H x W x D (inches)
68 x 44 x 13

Apex Supply Chain Technologies and its mark, the Smarter Spaces mark, and Making Spaces Smart are registered trademarks, and Smarter Spaces, Trajectory Cloud, Connect n’ Go and ACTYLUS are trademarks of Apex Industrial Technologies LLC.
Quality Assurance

Our in-house inspection laboratory uses state-of-the-art equipment and a dedicated inspection team to ensure products meet industry standards, specifications and customer requirements, including dimensions, hardness and plating.

Environmental Standards
RoHS, REACH, and other related environmental standards are expanding in scope, and a non-compliance ruling can be a financial and legal nightmare. Relying on certificates of compliance alone may not be accepted as adequate evidence of conformity. Most of the directives will require the demonstration of adequate due diligence to ensure that applicable standards are being met.

Elemental Analysis
IRWIN Industrial uses X-ray Fluorescence Spectrometer technology to facilitate the analysis of multiple materials and coatings for restricted substances. X-ray Fluorescence Spectrometry is accepted as the best first-level, non-destructive screening method available.

We can ensure that your components - from connectors to heat sinks to 1¢ screws - are compliant, so that your product will withstand the scrutiny of compliance enforcement activity.

Also see IRWIN’s Electronic Components & Hardware Line Card

Connectors & Cables
Hardware
Optoelectronics
Power
Printers & Labeling
Protection & Suppression
Switches & Relays
Thermal Management
Wire Management