

IHS Fasteners eCatalog



Product Code Numbers: IHSFE

Media Codes: CI (Internet)

Tech Spec

The IHS Fasteners eCatalog is a unique tool that provides decision support for the identification, specification and sourcing of Aerospace & Defense standard fasteners/hardware (i.e. bolts, screws, nuts, washers, rivets, studs, etc.).

It helps solve the time-consuming challenge engineers experience navigating through various “flat” standards and automates the human element of incorporating approved standard parts into their drawings. It empowers the engineer with various online searches:

- Intelligent Part Number and Document Number search
- Text Search utilizing synonyms and stemming
- Parametric refinement within broad commodities
- Search for similar and associated items

The tool utilizes an advanced technology which enables improved dynamic navigation into and within part information, providing users the ability to interact freely with normalized data without the frustration of ending in a zero results set.

General Information

Designed for the dynamic, quick, guided searching required by engineers today; the IHS Fasteners eCatalog is available online via the Internet as a subscription-based product and requires no installation. The user interface was built for easy manipulation and navigation of the standard part information and supporting document references.

- The IHS Fasteners eCatalog is the first tool to offer an integrated part number search and attribute-based navigation of the industry fastener standards – AIA/NAS and MIL-SPEC. (Searches initiated by part number can be analyzed easily by attributes of the refined data set.)
- Part number searches utilize an embedded “starts with” and “trim” algorithm to enhance part validation by whole, generic or partial strings of the part number.
- Multiple part references can be compared easily in a side-by-side view with differences in values highlighted.
- Integrated punch-outs to IHS Specs & Standards for the reference standard, IHS Haystack® Gold for government procurement/ logistics information, and IHS CatalogXpress® for manufacturer catalog images utilizes IHS subscriber authentication to bring a multitude of critical, technical information to a single decision-making point.

- Searches can also be initiated by the standards' document number. Document searches uniquely reference all part numbers contained in the document.

The IHS Fasteners eCatalog offers the quickest, most flexible, normalized search into the not-so-standardized fastener standards.

Types of Data

The IHS Fasteners eCatalog is a robust, attribute-detailed collection of AIA/NAS and MIL-SPEC standard fasteners. The build of attribute and part number content is derived directly from the standards and crosses multiple fastener categories:

- Bolts
- Bushings
- Fasteners
- Grommets
- Inserts
- Nuts
- Nut Plates
- Pins
- Pins-Springs
- Posts
- Rivets
- Screws
- Spacers
- Washers
- Wire

Attribute refinement is category-specific, with core and advanced attributes being normalized across all relevant standard parts within the category (i.e. thread type applies to bolts and screws, not rivets). Also, common attributes like material and finish can be broadly searched across all categories.

Search Methods

The IHS Fasteners eCatalog provides the flexibility and convenience of being able to search by:

- Part Number (full and generic)
- Document Number
- Fastener Category Attributes
- Text (searches all text fields including description)

Results Display

The common results display from parametric or part number searches show:

- Category
- Standard Part Number
- Document Number or Document Type
- Integrated Links to Catalog, Logistics Data, and/or Standard

- Description
- Core Category Specific Attributes
- Ability to Perform Side-by-Side Comparisons

Standard part records display part details (including but not limited to):

- Materials
- Finish
- Head Style
- Head Recess
- Type
- Nominal Size
- Thread Type
- Grip
- Length
- Strength

Updating

Additional content (incl. expanded attributes, additional document coverage, new standard parts; additional reference databases; etc) can be added to the IHS Fasteners eCatalog on a weekly basis as available. Functional enhancements can be made on a quarterly basis as available.

Format

Internet Only Access via the IHS Engineering Resource Center (www.IHS.com). The IHS Fasteners eCatalog has a base license for 1 simo at 1 location configuration. Enterprise wide and multi-location WAN licensing options are also available.

Release Notes

The IHS Fasteners eCatalog undergoes continuous improvements and enhancements. To view a summary of the latest Version updates, please refer to Addendum A of this Technical Specification.

Required Equipment

1. Connection to the Internet.
2. Computer capable of running Internet Explorer (recommended browser), Mozilla Firefox, or Netscape Navigator

Required Software

Note: The IHS Fasteners eCatalog was optimized to run on Windows XP, I.E. 6.0 or Firefox 1.5 with cookies enabled, and screen resolution of 1280 X 1024.

1. Microsoft Internet Explorer 6.0 or later (recommended browser)
2. Netscape Navigator 7.2 or later
3. Adobe Acrobat Reader 4.x or later

Training and Support

Self-contained within the IHSFasteners eCatalog application is comprehensive online *Help Reference* and *Tip Sheets* including sample searches to help get you started with the product.

Also available:

- Flash Demo for initial product introduction
- eLearning for deeper utilization of the tool

IHS also offers a variety of online and on-site based training programs. For more information on these programs, please consult an account manager or customer service manager.

Other Services Referenced

Other services accessible through IHS Fasteners eCatalogs include:

IHS Specs and Standards collections for:

- **AIA/NAS** – Aerospace Industries Association/National Aerospace Standards
- **MIL-SPECS** – Military Specifications
- **SAE** – Society of Automotive Engineers International
- **ISO** – International Standards Organization
- And others.

IHS Haystack Gold – Provides access to government procurement/logistics information based on National Stock Number, Federal Supply Class and CAGE codes.

IHS CatalogXpress – Provides full text searches and access to manufacturer catalog information.

Addendum A Fasteners Release Notes

Version 1.7

The following enhancements were made to increase the intuitiveness and user-friendliness of the tool:

Improved Attribute Selections – In support of the dynamic, interdependent nature of fastener attributes, the attribute selection windows can be opened concurrently. Once a selection is made within one of those windows, other open attribute windows will be collapsed to ensure that respective attribute values are correctly presented. Additionally, category specific attributes have been sorted by order of relevance for ease of use.

Enhanced Navigation – Pagination and Results per Page selections are now visible at the top and bottom of the results list. Previously, these selections were only accessible at the bottom of the results list.

Added Intelligence to Part Number Searches - Part number searches that generate results specific to a single category will now automatically apply the category filter and expand the attribute selection to show respective category specific attributes. The Document/Part Number Search has been enhanced to remove spaces from searches (i.e. NAS 1228 will find results for both NAS 1228 and NAS1228 results). A “Contains” function has been added to the Document/Part Number search function to accommodate searches of the numeric part reference (i.e. a search for “1228” will return results for the NAS1228 parts). NOTE:

This added feature is implied and does not require additional selection to set this search criterion. This search will return all part number strings that contain

“1228” across all categories and document references in the database (i.e. 1228, 122-8, and 12-2-8, etc.).

Enhanced Item Compare – From the Item Compare page, part numbers listed in the comparison view can now be individual selected by clicking on the Part Number hyperlinked in the display. This will take you to the Item Detail for that discrete part record, which provided the added view into the Source of Supply information as well as the ability to perform Alternate and Find Similar Searches. The BACK button is enabled to return the user to the Item Compare menu.

Added/ Enhanced Content – MS, NAS, and NASM documents have been added or enhanced as part of this release. For a detailed list of these documents, please contact IHS Customer Service.

Version 1.5.5

The following enhancements were made to increase the user friendliness of the tool:

Enhanced Navigation – The IHS Fasteners eCatalog is designed with three types of initiating searches (1) Document/ Part Number, (2) Text, (3) Category and (4) Attributes. The names of these searches were edited to increase the intuitiveness of the search, respectively (1) Document/ Part Number Search, (2) Text Search, (3) Category Search and (4) Attribute Refinements. The “Search” tab was retitled to “New Search.” Hyperlinks in the results list are now programmed to change colors to reflect those attribute values selected as well as part numbers selected in a results list.



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