

# IHS Fasteners Web Service



**The Source**

for Critical Information and Insight™

Integrate professionally managed aerospace and defense fasteners data with in-house decision support tools

An accurate and complete internal parts database is crucial to ensuring that your engineers choose approved fasteners when designing products. But all too often, organizations' parts databases are incomplete, inconsistent and even incorrect. This is due to the fact that many have been built over time using information entered by a number of contributors, without a controlled process. When complete, current information is not available, your engineers may find it difficult to use the internal parts database for specifying the correct fasteners for their projects. Instead, they may be spending valuable time combing through specifications to identify each fastener they need, and may choose hardware not on your approved parts list. They may even specify an incorrect part because a critical technical attribute or standards reference is missing from your parts database—or they could end up choosing a part that doesn't comply with the applicable industry standard.

## Optimize Your Fastener Selection Process

IHS Fasteners Web Service is an ideal alternative to internally developed parts lists. It is a comprehensive collection of complete and up-to-date information about standard fasteners specified by the Aerospace Industries Association (AIA), the American Society of Mechanical Engineers (ASME), the British Standards Institute (BSI) and the U.S. Department of Defense. The database breaks down the configurations referenced in each specification published by these organizations into unique part records that include all relevant part details.

With IHS Fasteners Web Service, you can implement a new internal parts library from the ground up or use it to augment your existing database. Either way, you will be

providing your engineers with the information they need to quickly identify approved parts and integrate them into their designs. Rather than taking hours to read through dozens of specifications, users can efficiently search through the database of approved standard fasteners to find the right ones in a matter of minutes.

## Easily Integrated into Existing Decision Support Systems

Predefined part number, manufacturer, and attribute data is accessible on demand using XML communication in HTTP via secure connection to the 4DOnline web portal. Using the robust Web Services Integration Framework, IHS partners and customers develop integrations to our reference content for solutions that enrich component information, perform part matching, supplier mapping, taxonomy mapping and periodic synchronization of component information.



### Comprehensive Fastener Information From a Reliable Source

As a leading global provider of critical technical information for over 45 years, IHS is the ideal source for reliable fasteners data. You can count on the information provided through IHS Fasteners Web Service to be consistent and accurate. In addition, regular updates ensure that the data conforms with current specifications.

IHS Fasteners Web Service provides accurate, normalized, professionally managed data attributes—including references to applicable standards—for 15 types of fasteners. Incorporating this information into your PLM and ERP systems can help your engineers source the right fasteners from your approved parts list.

IHS Fasteners Web Services can be tailored to provide the specific component and attribute data that meets your needs. We've done the tedious work for you by organizing and indexing all the relevant information to build an extensive, normalized database that provides complete records for nearly 8 million fasteners approved by aerospace companies, the military and the U.S. government.

#### Benefits

Access to consistent, accurate fasteners information improves workflows and value of in-house decision support tools that enable users to:

- Make better design and sourcing decisions faster
- Research parts from multiple manufacturers in one search, compare alternates and download documents without visiting multiple web sites

- Access information in existing applications to avoid re-training
- Eliminate duplicate parts to consolidate purchases from preferred suppliers for better terms
- Accelerate manufacturing and product introductions by uncovering errors that affect time-to-market and quality goals.
- Avoid production delays due to obsolete or non-compliant parts
- Reduce costs of maintaining existing component information libraries with automatic, online updates.

#### Streamline Design and Procurement Processes

IHS Fasteners Web Service can also act as a gateway to other sources of information that can help further speed parts identification and sourcing. The database can be integrated with IHS Standards Expert™, allowing users to connect directly to a fastener's source specification, with IHS Haystack® Gold to provide related government procurement and logistics information as well as the 4DOnline Electronics Database for parametric, environmental compliance, and cross reference data for over 32 million components.

#### Rely on IHS Expertise to Improve the Value of Data Resources

IHS delivers more than accurate, reliable fastener data; we also provide analysis, implementation and consulting services to help you optimize the use of IHS fasteners data. Whether you want to identify gaps in your existing parts database, analyze your user requirements, or integrate information with your enterprise resource planning, product lifecycle management or computer-aided design systems, you can rely on IHS for the support you need to get the most out of your information resources.

### Fastener Categories

Bolt	Grommet	Nut plate	Post	Spacer
Bushing	Insert	Pin	Rivet	Washer
Fastener	Nut	Pin spring	Screw	Wire



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