



SOLUTION SHEET

Standard Database for Forte Reference Data

Robust database delivers wide range of unique commodity codes for project materials



With millions of individual parts to describe and the need to describe each part differently for each phase of a project, the complexity in standardizing material descriptions is significant. Companies devote substantial effort to defining commodity codes and properties so they can satisfy requirements throughout a project.

To reduce this effort, Octave built Standard Database for Forte Reference Data (Standard Database) which delivers a comprehensive range of commodity codes to uniquely describe materials throughout a project lifecycle. Within Forte Reference Data, the Standard Database employs sophisticated and exhaustive rules to maintain material descriptions.

Standard Database for Forte Reference Data is a pre-configured, recommended best practice solution that enables rapid implementation and management of enterprise reference data and/or materials management. The Standard Database incorporates a comprehensive catalog of industry-standard material parts, organized and described for out-of-the-box use by engineering, procurement, fabrication, construction and operations and maintenance.

The content is pre-configured to enable catalog and piping specification interfaces to intelligent 3D applications (Forte 3D).

Benefits

- Depending on the scope of the implementation, users can save three months to a year on the initial implementation and corresponding consulting and training fees.
 - Out-of-the-box availability of commodity code rules and dimensional data based on standards allows for these savings. These rules and data can be used in conjunction with the delivered piping specifications to quickly start projects that can leverage the data.
 - Implementation costs have been further reduced by the inclusion of the SDB for hangers and supports product, for no extra cost.
- Training and consulting are minimized, reducing implementation time plus cost and risks.
- There is no need to re-enter standard reference data, enabling high-quality production startup.



Interfaces

Octave delivers the Standard Database with pre-configured interfaces to 3D design tools, schematic tools and material management.

Available content

The latest release of Standard Database for Forte Reference Data ships with hundreds of piping components that are used by thousands of commodity codes and result in hundreds of thousands of individual parts with millions of dimensions. These parts are compliant with international standards (ASME/ANSI, ASTM, EN, JIS and Chinese GB, among others) and include dimensional data from these standards.

Many of the parts have been enriched with weight and center of gravity information to support downstream activities. In addition, a significant number of industry- standard piping specifications and sample specifications are included based on the delivered parts to enable quick project implementation.

This release of Standard Database contains ducting, electrical, equipment, structural content, hangers and supports. This includes thousands of ducting parts, electrical parts and cables. Also included are hundreds of equipment components and AISC structural steel cross sections.

As of version 2018 of the Standard Database, dozens of support types and hundreds of sample pipe supports are included. These hangers and supports are industry generic and applicable to process, power, onshore, offshore and pharma applications.

About Octave

Octave is a leader in enterprise software, turning data into decisive action and intelligence into your edge. Our software solves for and simplifies complexity, from the design and build to operations and protection of people, property, and assets— for any scope, at any scale. For decades, we've partnered with customers to sharpen performance, elevate efficiency, and amplify results. From factory floors to entire cities, our solutions are tuned to scale up what's possible from day one onward.

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