

# Eos Natural Gas Knowledgebase

## DETAILED NATURAL GAS ESTIMATING FOR TRANSMISSION AND DISTRIBUTION

The Eos Natural Gas Knowledgebase is designed for gas energy utilities, design engineers, and contractors involved in estimating natural gas utility piping installations and related work for gas transmission and distribution from cross-country pipelines to point-of-use meter.

With over 37,000 items, the knowledgebase supports the development of conceptual estimates as well as detailed estimates. It includes coverage for steel pipe, cathodic protection, plastic pipe, pipe trenching, trenchless installation, site work and matting, valves, regulators, meters, filters, and other equipment.

Like all the knowledgebases developed by Eos Group, the Eos Natural Gas Knowledgebase adheres to Eos Group's modular design specifications, which means Eos can expand or merge it with other Eos modular knowledgebases or RSMean databases without conflicts or renumbering.

### PLASTIC PIPE, FITTINGS, AND VALVES COVERAGE

ASTM D2513 MDPE (PE2708 yellow) and HDPE (PE4710 black)

½" to 1-1/4" CTS 0.090", 0.099", and 0.101"

½" to 20" IPS in the usual SDR walls (generally SDR 9, 11, 11.5, 13.5)

Butt fusion fittings and welds

Electrofusion fittings and welds

Mechanical stab-type fittings

Mechanical compression-type fittings

Ball valves

Transitions and adapters

Risers

### STEEL PIPE, FITTINGS, FLANGES, AND VALVES COVERAGE

API-5L in Grade B, X42, X52, X60, X65, X70, and X80

A53/A106 pipe and fittings 4" and under

½" to 42" Standard, XH, and XXH walls, plus other walls

Butt weld fittings and welds

Socket weld fittings and welds (to 4")

Threaded fittings and joints (to 4")

Flanges and bolted joints

Plug valves and ball valves

Coatings, linings, protection, and weights

Eos Group is a software development and consulting firm providing customized preconstruction solutions to the Architectural, Engineering and Construction industry. For More Information, go to [www.eosgroup.com](http://www.eosgroup.com) or [info@eosgroup.com](mailto:info@eosgroup.com).



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### OTHER CONTENT

Cathodic protection

Meters, filters, regulators, brackets, and various accessories, such as tracer wire and warning tape

Surface removal and restoration

Excavation and backfill with various excavation support, plates, traffic control, etc.

Trenchless piping and sleeve installation methods, such as HDD, boring, jacking, and moling

Site work including foundations, steel, manufactured buildings, drainage, fencing, and site walls

Timber matting for sensitive areas

### ASSEMBLIES

Over 90 assemblies for convenient estimation of piping, equipment, foundations, structures, site work and trenching, paving, fencing, site walls, matting, general requirements, and engineering

### MODELS

Seven parametric cost models expedite the takeoff process

One model can be used for gas pressure regulation and metering stations