

# API SPECIFICATION 5L, 46TH EDITION

We are pleased to announce the publication of the 46<sup>th</sup> edition of Specification 5L, *Line Pipe*. This new edition provides technical updates that have reached consensus within API's Subcommittee on Tubular Goods and will now give industry consistent practices in these respective areas of the standard. These updates are reflective of API's standards program mission to provide a forum for development of consensus-based industry standards, and technical cooperation to improve the industry's safety performance and competitiveness.

## Key Changes

- Updated and expanded requirements for mill jointers (differentiate between double-jointers and mill jointers; avoid welding consumables environmental contamination; require qualification standards; new process testing requirements; clarify offset and undercut requirements; standardize marking requirements; reference weld repair annex);
- Updated requirements for pipe end Squareness;
- Updated requirements for hardness testing on PSL 2 pipe for sour service and PSL 2 pipe for offshore service;
- New annex for strain-based design requirements (PSL 2 pipe for applications requiring longitudinal plastic strain capacity)

## Effective Date and Program Implications

The Monogram Program effective date will be November 1, 2018.

Current licensees shall ensure that products manufactured on and after November 1<sup>st</sup>, 2018 meet the requirements of API 5L 46<sup>th</sup> edition in order to be monogrammed.

Also, effective November 1<sup>st</sup>, 2018, API 5L audits will be conducted to the 46<sup>th</sup> edition of the document.

## To Purchase

Specification 5L is available on API's new Compass Platform. A Compass subscription gives you organization-wide, 24/7 access to all of the API standards and specifications you need to ensure safety, compliance and interoperability. With a subscription on Compass, you are ensured consistent and up-to-date access to the latest API standards. For additional information please use the e-mail [compass@api.org](mailto:compass@api.org).

- The subscription updates itself, so your subscription automatically reflects the latest edition
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- The ability to collaborate internally within the standard

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## Additional Information and Questions

The companion video, highlighting key changes and the implications for API Monogram licensees, is now available. **Register now** to gain access to the video.

# Api Spec 5a5

**Jianjun Gao**



## Api Spec 5a5:

Handbook of Engineering Practice of Materials and Corrosion Jung-Chul (Thomas) Eun,2020-09-04 This handbook is an in depth guide to the practical aspects of materials and corrosion engineering in the energy and chemical industries The book covers materials corrosion welding heat treatment coating test and inspection and mechanical design and integrity A central focus is placed on industrial requirements including codes standards regulations and specifications that practicing material and corrosion engineers and technicians face in all roles and in all areas of responsibility The comprehensive resource provides expert guidance on general corrosion mechanisms and recommends materials for the control and prevention of corrosion damage and offers readers industry tested best practices rationales and case studies *Shale Oil and Gas Production Processes* James G. Speight,2019-11-18 Shale Oil and Gas Production Processes delivers the basics on current production technologies and the processing and refining of shale oil Starting with the potential of formations and then proceeding to production and completion this foundational resource also dives into the chemical and physical nature of the precursor of oil shale kerogen to help users understand and optimize its properties in shale Rounding out with reporting in situ retorting refining and environmental aspects this book gives engineers and managers a strong starting point on how to manage the challenges and processes necessary for the further development of these complex resources Helps readers grasp current research on production from shale formations including properties and composition Fill in the gaps between research and practical application including discussions of existing literature Includes a glossary to help readers fully understand key concepts *API Recommended Practice* American Petroleum Institute. Production Dept,1983 Senior Design Projects in Mechanical Engineering Yongsheng Ma,Yiming Rong,2021-11-10 This book offers invaluable insights about the full spectrum of core design course contents systematically and in detail This book is for instructors and students who are involved in teaching and learning of capstone senior design projects in mechanical engineering It consists of 17 chapters over 300 illustrations with many real world student project examples The main project processes are grouped into three phases i e project scoping and specification conceptual design and detail design and each has dedicated two chapters of process description and report content prescription respectively The basic principles and engineering process flow are well applicable for professional development of mechanical design engineers CAD CAM CAE technologies are commonly used within many project examples Thematic chapters also cover student teamwork organization and evaluation project management design standards and regulations and rubrics of course activity grading Key criteria of successful course accreditation and graduation attributes are discussed in details In summary it is a handy textbook for the capstone design project course in mechanical engineering and an insightful teaching guidebook for engineering design instructors *Deep Shale Oil and Gas* James G. Speight,2016-09-10 Natural gas and crude oil production from hydrocarbon rich deep shale formations is one of the most quickly expanding trends in domestic oil and gas exploration Vast new natural gas and oil

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**Magnetic Particle Testing** J. Thomas Schmidt,Kermit Skeie,Paul McIntire,1989 *API Specification for Spiral-welded Line Pipe* American Petroleum Institute. Production Department,1982 **Oil & Gas Journal** ,2001 *Materials Evaluation* ,1988 **Catalog of American National Standards** American National Standards Institute,1995 **QualTest-2 Conference Proceedings, October 25-27, 1983, Dallas, Texas** American Society for Nondestructive Testing,1983 Petroleum Engineer International ,1982 **The Oil and Gas Journal** ,1976 Oil & Gas Science and Technology ,2002

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