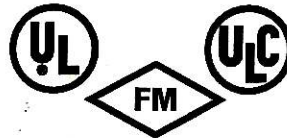


# PRODUCTS FOR GROOVED PIPING SYSTEM

The Gruvlok® System has been manufactured since the late 1960's. The Gruvlok product line has grown from standard couplings and fittings to today's extensive range of grooved product, plain-end product, butterfly valves, check valves, pump protection components, pipe preparation tools and various accessories.

Gruvlok is part of our overall commitment to provide today's piping industry with tomorrow's products.



**APPROVED**

For listing/approval details contact your Gruvlok Representative.

## INDUSTRY & GOVERNMENT STANDARDS & APPROVALS

<b>ABS</b>	American Bureau of Shipping	<b>DNV</b>	Det Norske Veritas Hong Kong Fire Services Board New Zealand Insurance Council New Zealand Building Act. (1991)	<b>NASA</b>	National Aeronautics and Space Administration: 15000 Series	<b>ULC</b>	Underwriter's Laboratories of Canada Bureau of Marine Inspection: Salt and fresh water, oil transfer Bureau of Public Roads; Div. of Bridges: Drain lines and bridge crossings Canadian Coast Guard U.S. Coast Guard - Approves each vessel individually
<b>ANSI</b>	American National Standards Institute	<b>FAA</b>	Federal Aviation Administration: HVAC, Plumbing, Fire Protection	<b>NAVFAC</b>	Naval Facilities Engineering Command: NFGS 15000 Series	<b>VA</b>	Veterans Affairs : 15000 Series
<b>API</b>	American Petroleum Institute: API Std. 5L, Sect. 7.5	<b>FHA</b>	Federal Housing Administration	<b>NFPA</b>	National Fire Protection Association	<b>VdS</b>	Verband der Sachversicherer e.V.
<b>ASHRAE</b>	American Society of Heating, Refrigerating and Air Conditioning Engineers	<b>FM</b>	Factory Mutual Engineering Corp.	<b>NIH</b>	National Institute of Health (Dept. of Health): 15000 Series		
<b>ASME</b>	American Society of Mechanical Engineers: Power Piping, B-31.1; Chemical Plant and Petroleum Refinery Piping, B-31.3; Refrigeration Piping, B-31.5; Building Services Piping, B-31.9; Slurry Pipelines, B-31.11	<b>GSA</b>	General Services Administration: 15000 Series	<b>NSF</b>	NSF International		
<b>ASTM</b>	American Society of Testing and Materials: F-1476, F-1387	<b>IAPMO</b>	International Association of Plumbing & Mechanical Officials	<b>NY-BSA</b>	New York Board of Standards and Appeals		
<b>AWWA</b>	American Water Works Association: C-606	<b>LLOYD'S</b>	Lloyd's Register of Shipping	<b>NYC</b>	New York City		
<b>BV</b>	Bureau Veritas	<b>LPC</b>	Loss Prevention Council	<b>SBCCI</b>	Southern Building Code Congress International: Standard Plumbing and Mechanical Code		
<b>CDF</b>	California State Fire Marshal	<b>MEA</b>	Materials & Equipment Acceptance	<b>TVA</b>	Tennessee Valley Authority: Fire protection, storm drains		
<b>COE</b>	Corps of Engineers: CEGS 15000	<b>MIL</b>	Military Specifications: MILP-10388 Fittings; MIL-C-10387 Couplings; MIL-P-11087A(CE) Steel Pipe, Grooved MIL-I-45208 Inspection Procedure	<b>UL</b>	Underwriter's Laboratories, Inc.		
<b>CSA</b>	Canadian Standards Association: B-242						