

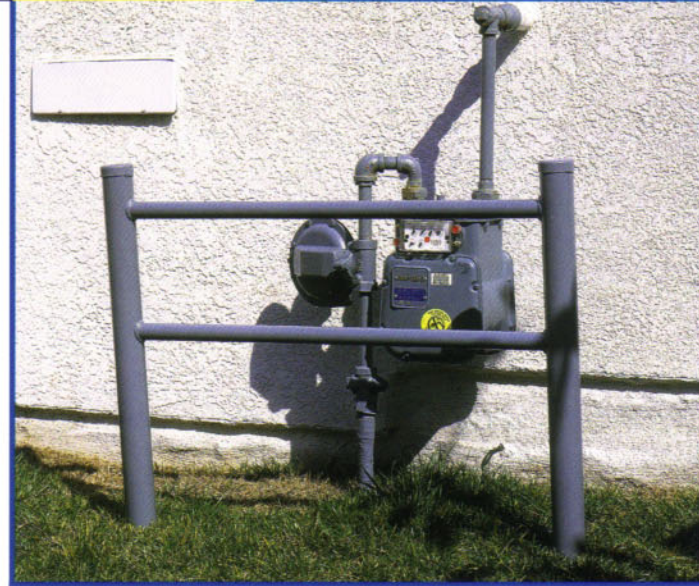
# BARRIER

# LYCO<sup>®</sup>

## POSTS & RAILS

### INDUSTRIAL GUARD POST

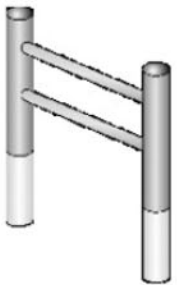
Medium duty steel pipe guard barriers used to protect commercial/industrial meter sets and/or regulator stations from vehicular traffic. The above ground portion of the guard post is coated with a minimum of 2.5 mils polyester fusion coating.



### RESIDENTIAL GUARD RAIL

Light duty fabricated steel pipe guard rails used to protect meter sets and/or regulator stations from vehicular traffic. The above ground portion of the guard rail is coated with a minimum of 2.5 mils polyester fusion coating.

### GUARD RAIL



Constructed of two (2) 2" SCH 40 uprights 42" in length x two (2) 1 SCH 40 Crossbars. Stamped caps are welded to the top of the 2" uprights to keep moisture out. The rails are then sandblasted and the top 22" are coated with 1 1/2" mils minimum of meter gray polyester powder coating. Rails are normally used to protect meter sets in light traffic areas.

Guard Rail Corrals are also available for your Industrial Stations

### GUARD POST - 4



Constructed of 2" 188 wall blade pipe cut 5' 6" long. Each piece is then sandblasted and the top 36" is coated with 1 1/2" mil minimum of meter gray polyester powder coating. Both ends of the post are deburred flush. The guard post is used to protect meters in heavy traffic areas.

## SPECIFICATIONS

### STEEL SPECIFICATIONS

Meets or exceeds **ASTM A53 Sch 40 or 80** (if specified)  
**ASTM A513, ASTM A108, ASTM A36, and ASTM 500.**

### WELDING SPECIFICATIONS

Meets or exceeds **API 1104.**

### PRESSURE TEST SPECIFICATIONS

All LYCO® Meter Bars, Elbows, Loops, and Meter Manifolds are  
**100% Leak Tested @ 100 PSIG.**

### COATING SPECIFICATION AND TESTING

#### LYCO® Polyester Coating:

Color •• **Meter Grey (ASA #49)**

Coating thickness •• **2.5 to 3.5 mils**

Gloss according to Gardner 60° ASTM D 523 •• **55-70**

Cross hatch adhesion ASTM 3359 method B •• **pass 100%**

Mandel bending test ASTM D 522 •• **5/32 in. (4mm)**

Cupping ISO 1520 •• **1/4 in. (7mm)**

Impression hardness according to Buchholz ISO 2815 •• **95**

Impact test ASTM D 2794-90 1/10 in Distortion •• **up to 160in/lbs**

Pencil hardness ASTM D3363 •• **2H (min.)**

Drill mill test •• **OK**

Salt Spray resistance test ASTM B 117-90 •• **1500 hour test, max.**

**Undercutting 1/16 in. (1mm).**

Humidity resistance ASTM D 2247-87 •• **1500 hour test, max. blisters 1/16 in. (1mm).**

#### LYCOPro-Finish™

Coating thickness •• **3 to 6 mils**

TESTING - ALUMINUM SPRAY

(See results from American Welding Society 19 year report publication - 1974).

TESTING - ALUMINUM RICH URETHANE OVER COATING (SEALER)

Salt Spray (fog) ASTM B117 •• **1500 hour test, no rust.**

Humidity ASTM D3359 •• **1500 hour test, no rust.**

Adhesion ASTM D4541 •• **> 1000 PSI pull (X3 avg.).**

Abrasion ASTM D4060 •• **< 75mg loss after 1K cycles.**

Ext. Exposure •• **No blistering, cracking, softening or delamination of film after 5 years.**

TESTING - COMPLETE COATING PROCESS

Salt Spray (fog) ASTM B117 •• **>2800 hour test, no rust, nodular corrosion or discoloration.** (Test conducted by RWL & Co. Labs)

RWL  
PRODUCT:

**LYCO® STEEL  
FABRICATION**



## Standard Sizes and Styles

#### Meter Bars, Elbows, and Loops

Standard Steel Sizes: 3/4", 1", and 1-1/4" IPS.

Attached Meter Swivels: Sprag 1A, 10L, 20L, and 30 light.

Optional LYCO® Meter Stops: 3/4" FPT.

#### Barrier Post

Standard Size: 4-1/2" O.D. x .165 Wall, HRPO Steel Pipe,  
5-1/2 feet tall.

#### Guard Rail

Standard Size: Two 2" Sch. 40 Posts x 42". 33" horizontal support.  
Double 1" IPS Sch. 40 rails, stamped pipe plugs welded to top.

#### Meter Manifolds

Header Sizes: 3/4", 1", 1-1/4", 1-1/2", 2", and 4" IPS.

Outlet sizes: 1/2", 3/4", 1", 1-1/4", 1-1/2", and 2" NPT.

Optional LYCO® Meter Stops: 3/4" FPT.

For additional size, style, or technical information, please contact your R. W. Lyall & Company Sales or Customer Service Representative.

### Other exclusive products manufactured by R. W. Lyall & Company, Inc.

LYCO® Anodeless Meter Risers

LYCOSAVER® Bypass Valves

LYCO® Excess Flow Devices

LYCO® Polyethylene Ball Valves

LYCOFAST® PE Service Assemblies



# R. W. Lyall & Company, Inc.

P i p i n g D i s t r i b u t i o n P r o d u c t s

Corporate Headquarters Mfg and Sales: 2665 Research Drive Corona, CA 91718-2259

Telephone: (800) 53 LYALL • FAX: (951) 270-1600