

# twilight

INSTRUMENTOS DE MEDICIÓN INDUSTRIAL

*Ficha Técnica*

**Anillo espaciador Gap-**

**A-Let de 1 1/2" NPS**

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## Gap-A-Let<sup>®</sup> Socket Weld Contraction Rings

Gap-A-Let<sup>®</sup> is a split ring that is engineered and designed to give you a pre-measured 1/16" minimum gap for socket welds. Made from a certified stainless steel, Gap-A-Let<sup>®</sup> resists corrosion from chemicals, radioactive materials, and water.

Gap-A-Let<sup>®</sup>'s spring tension makes it fit tightly into all standard sized fittings from 1" to 4". (Non-standard sizes are available upon request.) Once inserted into the fitting, the Gap-A-Let<sup>®</sup> ring becomes a permanent part of the joint. It will not rattle or vibrate even under extreme pressure.

### Where Is It Used?

Designed for use on any socket weld application, Gap-A-Let<sup>®</sup> rings are suitable for **Power Piping (Nuclear, Conventional), Industrial Hydraulics, Welded Railroad Air Brake Piping, Petrochemical Plants, Fertilizer Plants, Shipbuilding,** and the list goes on.

### What Does It Do For You?

- Cut fit-up time by 90%
- Save thousands of dollars in cracked weld repairs.

Socket welds that once took 15 minutes or more to fit-up now take just seconds. There is no measuring, scribing, or re-measuring. Just pop the Gap-A-Let<sup>®</sup> into the fitting and insert pipe into the fitting. Gap-A-Let<sup>®</sup> socket weld contraction rings automatically set the required 1/16" minimum gap so you're ready to weld.

And because these rings are so easy to use, they eliminate the problems caused by guessing the gap. No longer is there a need to scribe into hard-to-mark metal pipe walls. With Gap-A-Let<sup>®</sup> rings, quality control inspectors can concentrate on the quality of the weld and not spending valuable time measuring for proper gapping. And since the costly problem of cracked welds due to improper gap is practically eliminated, your pipes can safely transport fluids the first time and every time.

### A plus for piping engineers

Gap-A-Let<sup>®</sup> rings help piping engineers determine end-to-end length of pipe without guessing. Constant, proper gap gives precise length whether in field run or fab shop assembly.



### Standard Gap-A-Let® Rings – 1/4" NPS - 2" NPS:

Each "Standard" Gap-A-Let® Ring is precision MACHINE-manufactured ...

Standard Ring	Fitting	Ring Free Outside Diameter	Ring Radial Wall	Ring Thickness
1/4" NPS	.555	.600	.070	.025
3/8" NPS	.690	.730	.070	.025
1/2" NPS	.855	.880	.070	.025
3/4" NPS	1.065	1.110	.070	.025
1" NPS	1.330	1.385	.105	.030
1 1/4" NPS	1.675	1.780	.105	.030
1 1/2" NPS	1.915	2.020	.105	.030
2" NPS	2.406	2.580	.105	.030

### Heavy Duty Gap-A-Let® Rings – 2 1/2" NPS – 4" NPS:

Each "Heavy Duty" Gap-A-Let® Ring is precision HAND-manufactured ...

Heavy Duty Ring	Fitting	Ring Free Outside Diameter	Ring Radial Wall	Ring Thickness
2 1/2" NPS	2.905	2.910	.205	.091
3" NPS	3.500	3.530	.210	.091
4" NPS	4.500	4.015	.230	.091

Three easy steps make proper 1/16" minimum gap socket welds in seconds.



**1.** Fitter compresses Gap-A-Let® ring to fit into pipe fitting.



**2.** Fitter seats ring into fitting. Spring tension holds ring tightly in place, assuring no rattling or vibration even under extreme pressure. Ring actually becomes a permanent part of the joint.



**3.** Fitter inserts pipe into fitting. Gap-A-Let® ring automatically assures the required minimum gap (1/16") to meet the code requirements of ANSI 31.1 Section III, ASME & military codes.

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**LLÁMANOS**

**+52(81) 8115-1400 / +52 (81) 8173-4300**

LADA Sin Costo:  
**01 800 087 43 75**

E-mail:  
**ventas@twilight.mx**

**www.twilight.mx**



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