

LASCO[®]

Fittings, Inc.

Swing Joint & Heavy Turf Products



How to Order

First Digit

G

Step 1

Step 2

Step 3

Step 4

Base Part Number

Step 1 - Specify a Body Diameter by Number

Second Digit

Diameter Size

1
2
3

1"
1 1/4"
1 1/2"

Step 2 - Specify an Inlet by Number

Third Digit

Inlet Style

1
2
3
4
5
6
7
8
9
M
P

Socket
Spigot (short)
Male Thread (MIPT)
Male ACME
Metric Spigot
Male BSPT
Long Spigot (4" Long)
Female BSPT
Reducing Female BSPT
Main Line (Reduces from 1 1/2" ACME to swing joint size)
Saddle Connection (Reduces from 1 1/2" ACME to swing joint size)

Step 3 - Specify an Outlet by Number

Fourth Digit

Outlet Style

1
2
3
4
5
6
7
8
9
0
A
C
S
T

Socket
MIPT (available in 1", 1 1/4" and 1 1/2" diameter)
Enlarging MIPT (available in 1", 1 1/4" and 1 1/2" diameter)
MIPT Special (available in 1" and 1 1/4" diameter)
Thread BSPT (available in 1", 1 1/4" and 1 1/2" diameter)
Enlarging BSPT (available in 1 1/2" diameter)
Reducing MIPT (available in 1" diameter)
Increasing ACME (available in 1 1/2" diameter)
Increasing BSPT (available in 1 1/4" diameter)
ACME (available in 1", 1 1/4" and 1 1/2" diameter)
ACME Special (available in 1 1/4" diameter)
Reducing ACME (available in 1" diameter)
SnapLok (available in 1" diameter)
SnapLok (available in 3/4" diameter)

Step 4 - 1 Specify Lay Length and Swing Joint Style

Last Three Digits

Swing Joint Style

100
208
212
218
3__

Kits
Unitized-Standard Sizes

•Lay Length designated by last two digits

306=6" Lay Length	314=14" Lay Length
307=7" Lay Length	315=15" Lay Length
309=9" Lay Length	316=16" Lay Length
310=10" Lay Length	324=24" Lay Length
311=11" Lay Length	330=30" Lay Length
313=13" Lay Length	336=36" Lay Length

(Please inquire about the availability of other lengths)

Step 4 -(CONTINUED) -Specify Lay Length and Swing Joint Style

Last Three Digits

400
408
412
418
5 _ •

Swing Joint Style

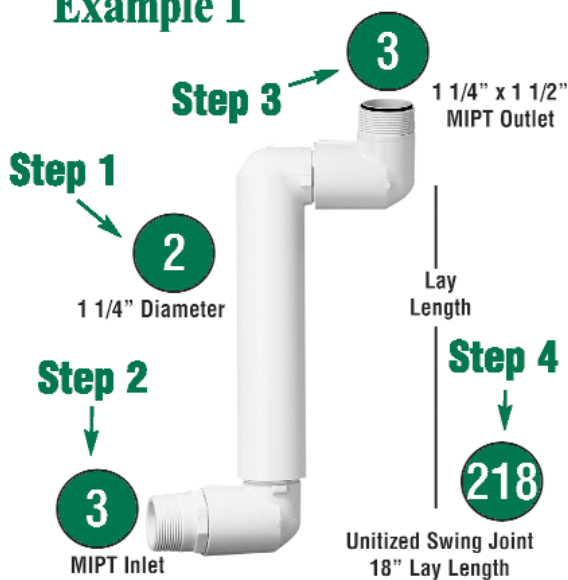
Kits with Triple Top-Out
8" Unitized Triple Top-Out
12" Unitized Triple Top-Out
18" Unitized Triple Top-Out
Fabricated Length with Triple Top-Out

•Lay Length designated by last two digits

506=6" Lay Length	514=14" Lay Length
507=7" Lay Length	515=15" Lay Length
509=9" Lay Length	516=16" Lay Length
510=10" Lay Length	524=24" Lay Length
511=11" Lay Length	530=30" Lay Length
513=13" Lay Length	536=36" Lay Length

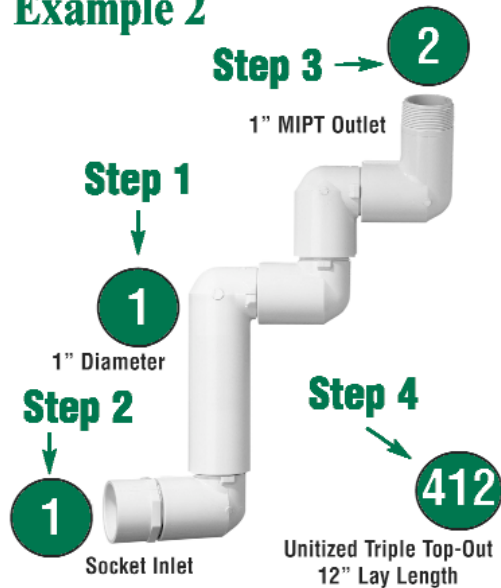
(Please inquire about the availability of other lengths)

Example 1



1. You need a 1 1/4" Unitized Swing Joint (18" lay length) with an MIPT inlet and a 1 1/2" Increasing MIPT outlet. The part number is G233-218.

Example 2



1. You need a 1" Unitized Triple Top-Out Swing Joint (12" lay length) with a socket inlet and a 1" MIPT outlet. The part number is G112-412.












Build and price your own unit with our online Swing Joint Configurator at www.lascofittings.com.

Placing Your Order - Step 1








Specify a Body Diameter by Number

ID #	DIAMETER SIZE
1	1"
2	1 1/4"
3	1 1/2"

Inlet Style - Step 2

ID#	Inlet	Description	Inlet Size	Swing Joint Size
1		Socket	1" 1 1/4" 1 1/2"	1" 1 1/4" 1 1/2"
2		Spigot-Short	1" 1 1/4" 1 1/2"	1" 1 1/4" 1 1/2"
3		MIPT	1" 1 1/4" 1 1/2"	1" 1 1/4" 1 1/2"
4		Male ACME	1" 1 1/4" 1 1/2"	1" 1 1/4" 1 1/2" (•same as M)
5		Metric Spigot	1" (2,5 cm) 1 1/4" (3,2 cm) 1 1/2" (3,8 cm)	1" 1 1/4" 1 1/2"
6		Male BSPT	1" (2,5 cm) 1 1/4" (3,2 cm) 1 1/2" (3,8 cm)	1" 1 1/4" 1 1/2"
7		Long Spigot 4" Long	1" 1 1/4" 1 1/2"	1" 1 1/4" 1 1/2"
8		Female BSPT	1" (2,5 cm) 1 1/4" (3,2 cm) 1 1/2" (3,8 cm)	1" 1 1/4" 1 1/2"
9		Reducing Female BSPT	1 1/2" (3,8 cm)	1"
M		Main Line Connection Reduces from 1 1/2" ACME to Swing Joint Size	1 1/2"	1" 1 1/4" 1 1/2"
P		Saddle Connection Reduces from 1 1/2" ACME to Swing Joint Size	1 1/2"	1" 1 1/4" 1 1/2"

Outlet Style - Step 3

ID#	Outlet	Description	Swing Joint Size	Outlet Size
1		Socket	1" 1 1/4" 1 1/2"	1" 1 1/4" 1 1/2"
2		MIPT	1" 1 1/4" 1 1/2"	1" 1 1/4" 1 1/2"
3		Enlarging MIPT	1" 1 1/4"	1 1/2" 1 1/2"
4		MIPT Special	1" 1 1/2"	1 1/4" 1 1/4"
5		Thread BSPT	1" 1 1/4" 1 1/2"	1" (2,5 cm) BSPT 1 1/4" (3,2 cm) BSPT 1 1/2" (3,8 cm) BSPT
6		Enlarging BSPT	1" 1 1/4"	1 1/2" (3,8 cm) BSPT 1 1/2" (3,8 cm) BSPT
7		Reducing MIPT	1 1/2" 1 1/4"	1" 1"

Outlet Style - Step 3 continued

ID#	Outlet	Description	Swing Joint Size	Outlet Sizes
8		Increasing ACME	1" 1 1/4"	1 1/2" 1 1/2"
9		Increasing BSPT	1"	1 1/4" (3,2 cm) BSPT
0		ACME	1" 1 1/4" 1 1/2"	1" 1 1/4" 1 1/2"
A		ACME Special	1" 1 1/2"	1 1/4" 1 1/4"
C		Reducing ACME	1 1/4" 1 1/2"	1" 1"
S		SnapLok (Featured on page 12)	1"	1"
T		SnapLok (Featured on page 12)	1"	3/4"

Unitized Standard Swing Joint - *Step 4*

In the field, your installer requires the flexibility to get the job done accurately but quickly. LASCO Unitized Standard Swing Joints make quick work of basic head placement, regardless of the depth of your trench. And with LASCO's time-tested technology, you can rest easy when the job is done.

- Three standard lengths enable swing joints to fit a wide range of trench depths.
- All three standard lengths are readily available from inventory.



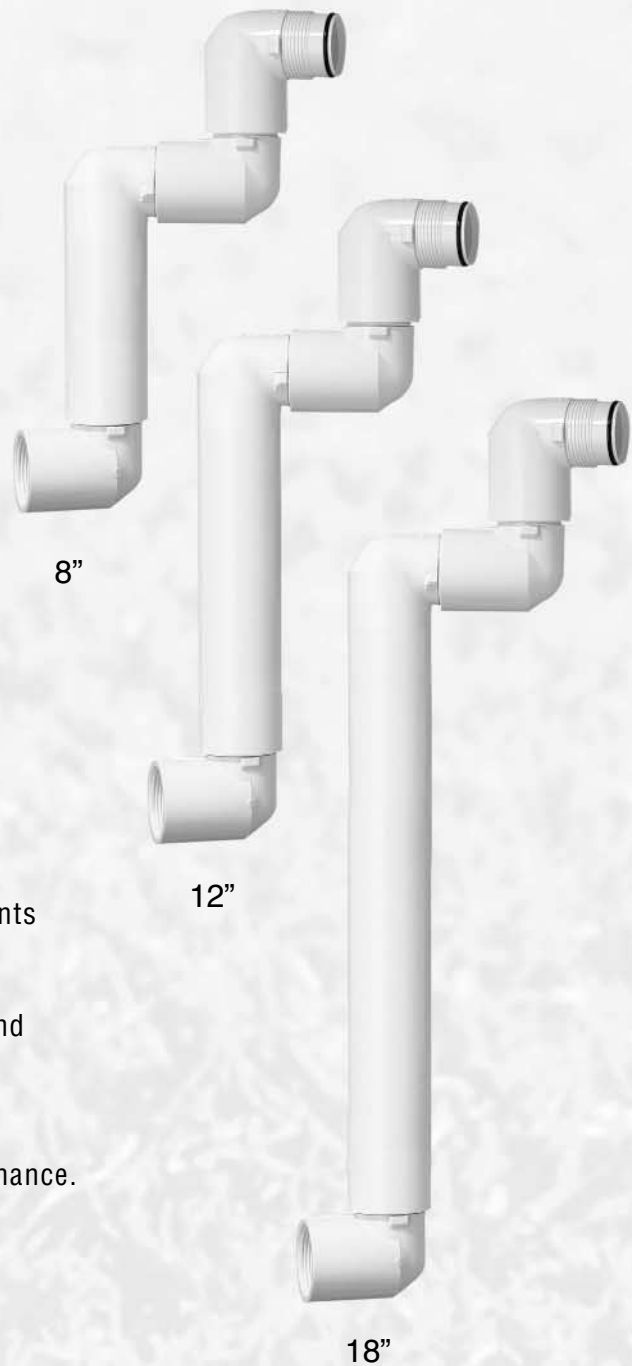
Unitized Standard Swing Joints

PART NO.	LENGTH (IN.)	QUANTITY (CARTON)
G_ _ _-208	8	15
G_ _ _-212	12	15
G_ _ _-218	18	10

Unitized Triple Top-Out Swing Joints - *Step 4 continued*

For maximum flexibility in the field specify LASCO Unitized Triple Top-Out Swing Joints. These units are engineered for rolling terrain, hillsides, or difficult-to-water areas. Also available to fit any trench depth, the Triple Top-Out units are much more cost effective for post installation maintenance or ground settling when compared to conventional swing joints.

- Allows ease of maintenance for adjustments to rotor settling or turf height.
- Allows rotor to be positioned vertically and horizontally for exact grade alignment.
- Competitively priced versus labor costs associated with post installation maintenance.



Unitized Triple Top-Out Swing Joints

PART NO.	LENGTH (IN.)	QUANTITY (CARTON)
G_ _ -408	8	15
G_ _ -412	12	15
G_ _ -418	18	10

Customized Swing Joints - Step 4 continued

No two installations are alike... so LASCO offers customized swing joints with either the Standard or the Triple Top-Out. You pick the lay length and LASCO provides specifically what the job requires. With a little notice (usually around two weeks) LASCO can save your installation crew a lot of time on the job.

Standard Swing Joint

PART NO.	SIZE	QUANTITY
	(IN.)	(CARTON)
G1__-3__	1	15

LAY LENGTH	CODE NO.
6"*	06
7"*	07
9"	09
10"	10
11"	11
13"	13
14"	14
15"	15
16"	16
24"	24
30"	30
36"	36

* 1" diameter only



**Standard
300 Series**



**Triple Top-Out
500 Series**

Standard Triple Top-Out

PART NO.	SIZE	QUANTITY
	(IN.)	(CARTON)
G1__-5__	1	15

NOTE: SPECIAL ORDER ONLY - Nonstocking items are nonreturnable. Please refer to LASCO Unitized Swing Joint offering for standard lay lengths.

Swing Joint Kits / Accessories

Swing Joint Kits

- For swing arms that can be made up in the field to meet specific trench depths.
- Shipped as two assembled sections in a sealed bag.

Notes: 1) Installer has to cut and solvent weld pipe to desired length.
2) Follow approved procedures for solvent welding as per ASTM D2855-90.

Swing Joint Kits

PART NO.	SIZE (IN.)	QUANTITY (CARTON)
G1_-100	1	5
G2_-100	1 1/4	5
G3_-100	1 1/2	5

Triple Top-Out Swing Joint Kits

PART NO.	SIZE (IN.)	QUANTITY (CARTON)
G1_-400	1	5
G2_-400	1 1/4	5
G3_-400	1 1/2	5



Swing Joint Kits

Model 100

**Triple Top-Out
Swing Joint Kits**

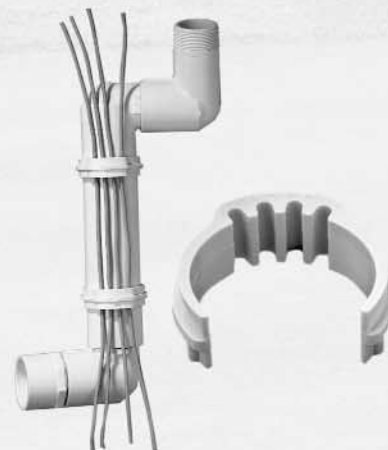
Model 400

Swing Joint Wire Holders*

- Eliminates the need for electrical tape or wire ties.
- Sufficient space for four wires, either #12 or #14 single feeder irrigation control cable.
- To keep in place, a small amount of PVC pipe cement may be applied to one or both sides of the clip.

Swing Joint Wire Holders

PART NO.	SIZE (IN.)	QUANTITY (CARTON)
G004-010	1	60
G004-012	1 1/4	60
G004-015	1 1/2	60



*LASCO "WIRE HOLDERS" fit LASCO Unitized Swing Joints only.

ACME Test Cap

PART NO.	SIZE (IN.)	QUANTITY (CARTON)
G548-010	1	50
G548-012	1 1/4	50
G548-015	1 1/2	50



- The ACME test cap can be used to pressure test systems that utilize swing joints with ACME threaded outlets.
- This new cap can also be used to keep the ring clean and the line free from debris.

Accessories

ACME Riser

- Raise the height of ACME thread Sprinkler heads without adjusting the swing joint lay length.
- Choose between pre-assembled ACME Risers and ACME Riser kits.
- Rated at 315 p.s.i. tested at 788 p.s.i. for 1 hour per ASTM F1970.



ACME Riser Kits

PART NO.	SIZE (IN.)	QUANTITY (CARTON)
G590-002	1	15
G590-003	1 1/4	15
G590-001	1 1/2	15



Pre-Assembled ACME Riser

PART NO.	SIZE (IN.)	QUANTITY (CARTON)
G587-002	1 x 7 Long	15
G587-003	1 1/4 x 7 Long	15
G587-001	1 1/2 x 7 Long	15

ACME Female Adapter

PART NO.	SIZE (IN.)	QUANTITY (CARTON)
G001-002	1	25
G001-003	1 1/4	25
G001-001	1 1/2	25

Installation Notes:

ACME O-Ring sealed threads should be Finger Tightened and "Backed Off" one full rotation to provide maximum flexibility. Do NOT use Pre-Assembled ACME Risers or ACME Riser Kits in conjunction with Sprinkler heads utilizing tapered pipe threads. FOR USE ONLY WITH MALE ACME SWING JOINT OUTLETS

Service Fittings

Use the proven ACME O-ring connection between solvent cemented service lines and the swing joint. LASCO service fittings provide a leak-free joint that improves installation and lowers maintenance costs.

Service Elbow

PART NO.	SIZE (IN.)	QUANTITY (CARTON)
307-251	2 x 1 1/2	10
307-291	2 1/2 x 1 1/2	5



Service Elbow

Service Tee

PART NO.	SIZE (IN.)	QUANTITY (CARTON)
302-251	2 x 1 1/2	10
302-291	2 1/2 x 1 1/2	5



Service Tee

- Rated at 315 p.s.i. working pressure and tested at 788 p.s.i. for 1 hour per ASTM F1970.
- Solvent cement provides a welded joint for line connections.
- Female ACME threads on swing joint port helps to eliminate splitting & cracking.
- Service Tee & Service Elbow for mainline & end-of-line swing joint connections.

Accessories

TAP'T Saddle

Now you can install LASCO swing joints in an HDPE system and be confident the connection is secure. Ideal for "plowed" systems or where "poly" pipe is required.

TAP'T Saddle

PART NO.	SIZE (IN.)	QUANTITY (CARTON)
364-251	2 x 1 1/2	5
364-337	3 x 1 1/2	5
364-419	4 x 1 1/2	5

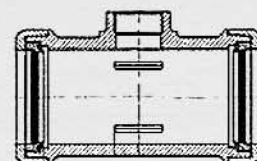
- Pressure rated at 235 p.s.i. when tested at 550 p.s.i. for 1 hour.
- 316 Stainless Steel hardware is captured or retained...no loose pieces to drop.
- Molded seal...to compensate for burrs and misaligned holes.
- Use with the "P" inlet configuration for vertical piping outlets.

TAP'T Coupling

- No solvent cementing necessary...Gasket connection on the run. ACME thread on the branch.
- Rated at 315 p.s.i. and tested at 788 p.s.i. for 1 hour per ASTM F1970.*
- No thrust blocking is required...Because TAP'T Couplings are not a directional fitting.

TAP'T Coupling

PART NO.	SIZE (IN.)	QUANTITY (CARTON)
344-251	2 x 2 x 1 1/2	15
344-291	2 1/2 x 2 1/2 x 1 1/2	15
344-337	3 x 3 x 1 1/2	10
344-419*	4 x 4 x 1 1/2	5



Gasket x Gasket x Female ACME



*4" TAP'T Coupling 200 p.s.i. working pressure

THRUST Plug

These patent pending Thrust Plugs are the ideal solution for use at the end of the line! Eliminate the need of elbows at the end of a run. Simplify construction and allow for future expansion. Can be used with all gasket style fittings.

- Attaches to a compatible Tap't Coupling for secure end-of-line connections.
- Size recommendation of the Thrust Block (concrete pad) is embossed on each Thrust Plug.



THRUST Plug

PART NO.	SIZE (IN.)	QUANTITY (CARTON)
349-020	2	15
349-025	2 1/2	15
349-030	3	10
349-040	4	10

Accessories

SNAPLOK Swing Joint Outlets with Male Brass Stabilizer Elbow



- Innovative patent pending design provides quick, easy, and secure installation of quick coupler valves. Snaps easily into secure position, locking the quick coupler and swing joint together, preventing unthreading.
- Requires no tools.
- Will accept 1/2" or 3/8" rebar for stabilization.
- Insert 1" PVC pipe to resist rotational loads.
- Threaded brass nipple is molded in place, becoming an integral part of the swing joint.
- N.P.T. Brass Threads to ANSI specifications.
- Machined from red brass, exceeding the specifications of 360FM.
- Can be incorporated into all versions of the 1" swing joint (either as the "S" 1 inch or "T" 3/4 inch brass threads).
- Rated at 315 p.s.i. working pressure and tested at 788 p.s.i. for 1 hour per ASTM F1970.

Male Brass Stabilizer Elbow for use with Quick Coupler Valves

PART NO.	Swing Joint Size (IN.)	Outlet Size (IN.)
G1__T-__	1	3/4
G1__S-__	1	1

Note: See Step #2 for inlet options, and Step #4 for swing arm options. (Page #1)

Replacement Parts



Male Brass Stabilizer Elbow

PART NO.	Swing Joint Size (IN.)	Outlet Size (IN.)
G001-011	1	1
G001-013	1	3/4



PART NO.	Swing Joint Size (IN.)	Outlet Size (IN.)
G001-012	1	3/4 & 1

SNAPLOK Outlet Style



Patent Pending

Replacement Parts



Socket - (Soc x ACME)

PART NO.	SIZE (IN.)	QUANTITY (CARTON)
G110-000	1	5
G210-000	1 1/4	5
G310-000	1 1/2	5



Spigot-Short - (Spigot x ACME)

PART NO.	SIZE (IN.)	QUANTITY (CARTON)
G120-000	1	5
G220-000	1 1/4	5
G320-000	1 1/2	5



MIPT - (MIPT x ACME)

PART NO.	SIZE (IN.)	QUANTITY (CARTON)
G130-000	1	5
G230-000	1 1/4	5
G330-000	1 1/2	5



Male ACME - (ACME x ACME)

PART NO.	SIZE (IN.)	QUANTITY (CARTON)
G001-006	1	5
G001-005	1 1/4	5
G001-004	1 1/2	5



Metric Spigot - (Spigot x ACME)

PART NO.	SIZE (IN.)	QUANTITY (CARTON)
G150-000	1 (2,5 cm)	5
G250-000	1 1/4 (3,2 cm)	5
G360-000	1 1/2 (3,8 cm)	5



Male BSPT - (Male BSPT x ACME)

PART NO.	SIZE (IN.)	QUANTITY (CARTON)
G160-000	1 (2,5 cm)	5
G260-000	1 1/4 (3,2 cm)	5
G360-000	1 1/2 (3,8 cm)	5



Spigot Long - (Spigot x ACME)

PART NO.	SIZE (IN.)	QUANTITY (CARTON)
G170-000	1	5
G270-000	1 1/4	5
G370-000	1 1/2	5



Female BSPT - (Female BSPT x ACME)

PART NO.	SIZE (IN.)	QUANTITY (CARTON)
G180-000	1 (2,5 cm)	5
G380-000	1 1/2 (3,8 cm)	5



Reducing Female BSPT (Female BSPT x ACME)

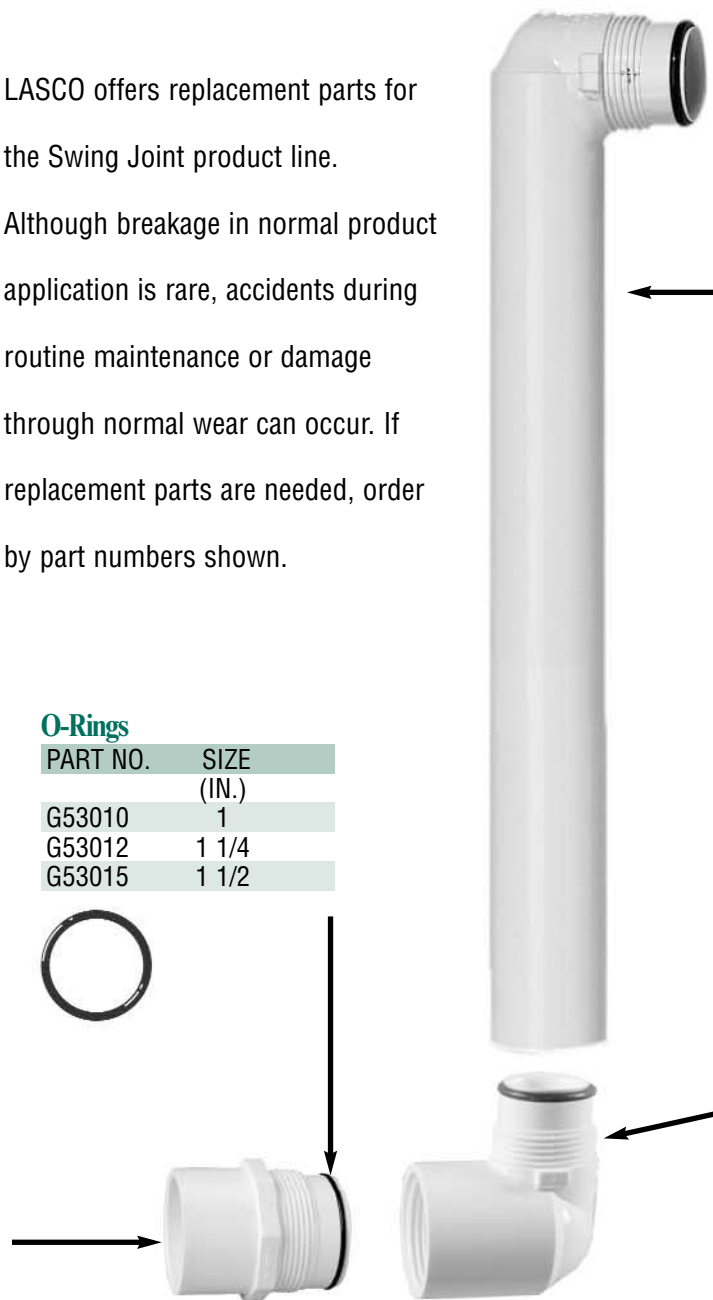
PART NO.	SIZE (IN.)	QUANTITY (CARTON)
G190-000	1 1/2 X 1 (3,8 cm)	5

LASCO offers replacement parts for the Swing Joint product line.

Although breakage in normal product application is rare, accidents during routine maintenance or damage through normal wear can occur. If replacement parts are needed, order by part numbers shown.

O-Rings

PART NO.	SIZE (IN.)
G53010	1
G53012	1 1/4
G53015	1 1/2



Main Line Connection

Reduces 1 1/2" ACME to Swing Joint Size

PART NO.	SIZE (IN.)	QUANTITY (CARTON)
G001-014	1 1/2 X 1	5
G001-016	1 1/2 X 1 1/4	5
G001-004	1 1/2 X 1 1/2	5

Saddle Connection

Reduces 1 1/2" ACME to Swing Joint Size

PART NO.	SIZE (IN.)	QUANTITY (CARTON)
G001-017	1	5
G001-018	1 1/4	5
G001-019	1 1/2	5

This configuration consists of an "M" inlet and an ACME Street Elbow.



Replacement Parts



Replacement Swing Arms

PART NO.	SIZE (IN.)	LENGTH (IN.)	QUANTITY (CARTON)
G100-208	1	8	5
G200-208	1 1/4	8	5
G300-208	1 1/2	8	5
G100-212	1	12	5
G200-212	1 1/4	12	5
G300-212	1 1/2	12	5
G100-218	1	18	5
G200-218	1 1/4	18	5
G300-218	1 1/2	18	5



Fitting Adapter

PART NO.	SIZE (IN.)	QUANTITY (CARTON)
478-010	1	25
478-012	1 1/4	25
478-015	1 1/2	25



Street Elbow Assembly

PART NO.	SIZE (IN.)	QUANTITY (CARTON)
G100-002	1	5
G200-002	1 1/4	5
G300-002	1 1/2	5

Male ACME Special - (ACME x ACME)

PART NO.	SIZE (IN.)	QUANTITY (CARTON)
G108-132	1 x 1 1/4	5
G308-212	1 1/2 x 1 1/4	5

Reducing Male ACME - (ACME x ACME)

PART NO.	SIZE (IN.)	QUANTITY (CARTON)
G208-168	1 1/4 x 1	5
G308-133	1 1/2 x 1	5



90° Elbow - (ACME x Soc)

PART NO.	SIZE (IN.)	QUANTITY (CARTON)
507-010	1	5
507-012	1 1/4	5
507-015	1 1/2	5



Street Elbow - (ACME x MIPT)

PART NO.	SIZE (IN.)	QUANTITY (CARTON)
G102-000	1	5
G202-000	1 1/4	5
G302-000	1 1/2	5



MIPT Increasing ELL - (ACME x MIPT)

PART NO.	SIZE (IN.)	QUANTITY (CARTON)
G102-211	1 x 1 1/2	5
G202-212	1 1/4 x 1 1/2	5



MIPT Special ELL - (ACME x MIPT)

PART NO.	SIZE (IN.)	QUANTITY (CARTON)
G102-132	1 x 1 1/4	5
G303-169	1 1/2 x 1 1/4	5



Male BSP Thread ELL - (ACME x BSPT)

PART NO.	SIZE (IN.)	QUANTITY (CARTON)
G104-000	1	5
G204-000	1 1/4	5
G304-000	1 1/2	5



Male Increasing BSP Thread ELL - (ACME x BSPT)

PART NO.	SIZE (IN.)	QUANTITY (CARTON)
G106-211	1 x 1 1/2	5
G206-212	1 1/4 x 1 1/2	5



Reducing Street ELL - (ACME x MIPT Special)

PART NO.	SIZE (IN.)	QUANTITY (CARTON)
G302-133	1 1/2 x 1	5
G202-168	1 1/4 x 1	5



Increasing Male ACME - (ACME x BSPT)

PART NO.	SIZE (IN.)	QUANTITY (CARTON)
G108-211	1 x 1 1/2	5
G208-212	1 1/4 x 1 1/2	5



Male Increasing BSP Thread ELL - (ACME x BSPT)

PART NO.	SIZE (IN.)	QUANTITY (CARTON)
G106-132	1 x 1 1/4	5



Male ACME - (ACME x ACME)

PART NO.	SIZE (IN.)	QUANTITY (CARTON)
G100-002	1	5
G200-002	1 1/4	5
G300-002	1 1/2	5

HEADQUARTERS
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Brownsville, TN 38012
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800/776-2756
Fax: 731/772-0835

Standard Terms and Conditions of Sale

1. Terms: 2% 35 days, net 45 days.
2. Freight: FOB LASCO warehouses. Prepaid on orders for products only totaling \$1000 net for one shipment to single destination within the contiguous United States.
3. Minimum Order: \$50 net. Smaller orders billed at this minimum charge.
4. Claims for shipping errors must be made within 15 days to LASCO. Claims for damage or shortages should be directed promptly to the common carrier by the consignee.
5. Returns will be accepted only by prior authorization and if shipped freight prepaid. Returned merchandise subject to a 20% handling/restocking charge.
6. Pricing is subject to change without prior notice. However, prior notification will be given in the event of price changes the period between order placement and scheduled shipment.
7. Offer to sell is not implied by possession of this or other LASCO price lists.

www.lascofittings.com - Build & price your own unit with our online *Swing Joint Configurator*.

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Fax: 253/395-0221

- DO NOT USE LASCO FITTINGS FOR COMPRESSED AIR OR GASES.
- DO NOT TEST PVC PIPING SYSTEMS WITH COMPRESSED AIR OR GASES.
- DO NOT USE FITTINGS WITH LIQUIDS NOT RECOMMENDED BY LASCO.
- MODIFICATIONS OF FITTINGS VOIDS THE WARRANTY.

Visit our worldwide website <http://www.lascofittings.com>

FIVE-YEAR LIMITED PERFORMANCE WARRANTY

LASCO Fittings, Inc., a subsidiary of Tomkins Industries, extends to installing purchaser/contractors (and, through them, to the owners of irrigation systems) a Limited Five-Year Performance Warranty on all LASCO swing joints.

What is warranted:

- LASCO Swing Joints and their individual component parts will be free from defects in materials, workmanship and assembly techniques that affect the performance of the units in professionally-designed irrigation systems.
- The Swing Joints will not leak when properly installed.
- The Swing Joints will not rot, rust, or corrode by electrolytic action.

What is not warranted:

- Damages or performance failures, including leakage, resulting from improper handling, storage, or installation, from disassembly, modification, accident, vandalism, or other events beyond control of the manufacturer.
- Installation in irrigation systems not in accordance with established professional standards;
- Consequential and associated damages to irrigation systems and to the properties in which they are installed, including, but not limited to labor and freight costs.

Duration of warranty:

This warranty becomes effective on the date of shipment to the installing purchaser/contractor by LASCO or its authorized distributor/dealers; it remains in force for no less than five years.

Filing Claims:

Should any LASCO Swing Joint fail to perform as warranted under the terms of this warranty, LASCO will, upon inspection and verification of a nonperformance claim, repair or replace all units found to be defective in materials, workmanship, or assembly.

- To file a claim, submit dated proof of delivery with a description of the claimed faulty Swing Joint (or a sample, in the event more than one unit is involved) to:

LASCO Fittings, Inc.

P.O. Box 116

Brownsville, TN 38012

Attn: Quality Assurance

- Upon receipt of a claim, LASCO will perform promptly its obligations under this warranty.

THIS WARRANTY IS GRANTED IN LIEU OF ALL OTHER GUARANTEES AND WARRANTIES, EXPRESSED OR IMPLIED INCLUDING BUT NOT LIMITED TO WARRANTIES OF MERCHANTABILITY AND FITNESS FOR PURPOSE, EXCEPT FOR ANY WARRANTIES IMPLIED BY LAW FOR NONCOMMERCIAL CONSUMERS. ANY SUCH WARRANTIES ARE LIMITED TO THE DURATION OF THIS WRITTEN WARRANTY.

How to Specify:

Suggested Specification:

LASCO Swing Joints shall be rated for use with water at 315 p.s.i. maximum working pressure @ 73°F when tested in accordance with ASTM D 3139&F1970. LASCO Swing Joints and their individual component parts are warranted to be free from defects in manufacturing and workmanship for a period of five years from the date of installation. (Refer to specific details in the five-year limited performance warranty.)

LASCO Swing Joints shall be molded of rigid poly(vinyl) chloride (PVC). Type I, Cell classification 12454-B per ASTM specification D 1784, with pipe sockets per ASTM D 2464. Each rotating joint shall be sealed with an elastomeric O-ring, installed precompressed in a sealing groove free of parting lines to prevent leakage. Each rotating joint shall have modified stub ACME threads and shall have special engineered (S.E.) diameters and clearances to allow full circle (360°) movement and to reduce stress concentrations and joint fracture at thread roots.