

SWING JOINTS & ACCESSORIES



Product	Description	Pkg	Each
TAPT HYBRID COUPLING (HDPE x FIPT)			
P330-251	2" Coupling	10	
P7330-J-015	63mm Coupling	10	



- Lighter weight than Schedule 80
- Higher pressure performance than Schedule 80
- FEA designed for greater strength
- Reduces the risk of crotch failure
- Patent Pending

Product	Description	Pkg	Each
SURGE GUARD - TEE (SLIP x SLIP)			
301-020	2	25	
301-249	2 x 1	10	
301-250	2 x 1-1/4	10	
301-251	2 x 1-1/2	10	
7301-J	63mm	10	



- Lighter weight than Schedule 80
- Higher pressure performance than Schedule 80
- FEA designed for greater strength
- Reduces the risk of crotch failure
- Patent Pending

Product	Description	Pkg	Each
SURGE GUARD - 90 DEGREE ELBOW (SLIP x SLIP)			
306-020	2	25	
306-249	2 x 1	25	
306-250	2 x 1-1/4	25	
306-251	2 x 1-1/2	25	
7306-J	63mm	25	

SURGE GUARD - 45 DEGREE ELBOW (SLIP x SLIP)

317-020	2	25	
7317-J	63mm	25	



LASCO®
Fittings, Inc.

Product	Description	Pkg	Each
1" LASCO UNITIZED SWING JOINT - (Inlet Size x Lay Length x Outlet Size)			
G122-212	1 Spig x 12 Lay x 1 Mipt	15	
G130-212	1 Mipt x 12 Lay x 1 Acme	15	
G130-218	1 Mipt x 18 Lay x 1 Acme	10	
G130-412	1 Mipt x 12 Lay x 1 Acme Triple	15	
G130-418	1 Mipt x 18 Lay x 1 Acme Triple	10	
G132-100	1 Mipt x (Kit) Lay x 1 Mipt	15	
G132-208	1 Mipt x 8 Lay x 1 Mipt	15	
G132-212	1 Mipt x 12 Lay x 1 Mipt	15	
G132-218	1 Mipt x 18 Lay x 1 Mipt	10	
G132-412	1 Mipt x 12 Lay x 1 Mipt Triple	15	
G132-418	1 Mipt x 18 Lay x 1 Mipt Triple	10	
G133-212	1 Mipt x 12 Lay x 1-1/2 Mipt	15	
G140-212	1 Acme x 12 Lay x 1 Acme	15	
G140-218	1 Acme x 18 Lay x 1 Acme	10	
G142-212	1 Acme x 12 Lay x 1 Mipt	15	
G1M0-212	1-1/2 Acme x 12 Lay x 1 Acme	15	



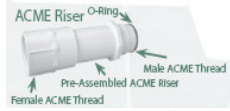
Product	Description	Pkg	Each
1-1/4" LASCO UNITIZED SWING JOINT - (Inlet Size x Lay Length x Outlet Size)			
G227-212	1-1/4 Spig x 12 Lay x 1 Mipt	15	
G232-212	1-1/4 Mipt x 12 Lay x 1-1/4 Mipt	15	
G232-418	1-1/4 Mipt x 18 Lay x 1-1/4 Mipt Triple	10	
G233-218	1-1/4 Mipt x 18 Lay x 1-1/2 Mipt	10	
G237-212	1-1/4 Mipt x 12 Lay x 1 Mipt	15	
G238-218	1-1/4 Mipt x 18 Lay x 1-1/2 Acme	10	
G23C-212	1-1/4 Mipt x 12 Lay x 1 Acme	15	
G23C-412	1-1/4 Mipt x 12 Lay x 1 Acme Triple	15	
G24C-212	1-1/4 Acme x 12 Lay x 1 Acme	15	
G24C-418	1-1/4 Acme x 18 Lay x 1 Acme Triple	10	
G277-212	1-1/4 LSpig x 12 Lay x 1 Mipt	15	
G2MC-212	1-1/2 Acme x 12 Lay x 1 Acme	15	
G2MC-412	1-1/2 Acme x 12 Lay x 1 Acme Triple	15	

1-1/2" LASCO UNITIZED SWING JOINT - (Inlet Size x Lay Length x Outlet Size)

G322-212	1-1/2 Spig x 12 Lay x 1-1/2 Mipt	15	
G327-218	1-1/2 Spig x 18 Lay x 1 Mipt	10	
G330-212	1-1/2 Mipt x 12 Lay x 1-1/2 Acme	15	
G330-218	1-1/2 Mipt x 18 Lay x 1-1/2 Acme	10	
G330-412	1-1/2 Mipt x 12 Lay x 1-1/2 Acme Triple	15	
G330-418	1-1/2 Mipt x 18 Lay x 1-1/2 Acme Triple	10	
G332-208	1-1/2 Mipt x 8 Lay x 1-1/2 Mipt	15	
G332-212	1-1/2 Mipt x 12 Lay x 1-1/2 Mipt	15	
G332-218	1-1/2 Mipt x 18 Lay x 1-1/2 Mipt	10	
G332-324	1-1/2 Mipt x 24 Lay x 1-1/2 Mipt	1	
G332-412	1-1/2 Mipt x 12 Lay x 1-1/2 Mipt Triple	15	
G332-418	1-1/2 Mipt x 18 Lay x 1-1/2 Mipt Triple	10	
G337-212	1-1/2 Mipt x 18 Lay x 1 Mipt	15	
G340-218	1-1/2 Acme x 18 Lay x 1-1/2 Acme	10	
G340-418	1-1/2 Acme x 18 Lay x 1-1/2 Acme Triple	10	
G342-212	1-1/2 Acme x 12 Lay x 1-1/2 Mipt	15	
G372-212	1-1/2 LSpig x 12 Lay x 1-1/2 Mipt	15	
G3M0-212	1-1/2 Acme x 12 Lay x 1-1/2 Acme	15	
G3M0-218	1-1/2 Acme x 18 Lay x 1-1/2 Acme	10	
G3M0-412	1-1/2 Acme x 12 Lay x 1-1/2 Acme Triple	15	
G3M0-418	1-1/2 Acme x 18 Lay x 1-1/2 Acme Triple	10	
G3M2-212	1-1/2 Acme x 12 Lay x 1-1/2 Mipt	15	
G3M2-218	1-1/2 Acme x 18 Lay x 1-1/2 Mipt	10	
G3MC-212	1-1/2 Acme x 12 Lay x 1 Acme	15	
G3MC-412	1-1/2 Acme x 12 Lay x 1 Acme Triple	15	



Product	Description	Pkg	Each
SNAPLOK LASCO SWING JOINT - (Inlet Size x Lay Length x Outlet Size)			
G13T-218	1 Mipt x 18 Lay x 3/4 Mipt SnapLok	10	
G17S-212	1 LSpig x 12 Lay x 1 Mipt SnapLok	15	
G13S-212	1 Mipt x 12 Lay x 1 Mipt SnapLok	15	
G13S-218	1 Mipt x 18 Lay x 1 Mipt SnapLok	10	
G14S-218	1 Acme x 18 Lay x 1 Mipt SnapLok	10	
G1MS-212	1-1/2 Acme x 12 Lay x 1 Mipt SnapLok	15	
G1MS-218	1-1/2 Acme x 12 Lay x 1 Mipt SnapLok	10	
G33S-212	1-1/2 Mipt x 12 Lay x 1-1/2 Mipt SnapLok	15	
G33S-218	1-1/2 Mipt x 18 Lay x 1-1/2 Mipt SnapLok	10	
G3MS-212	1-1/2 Acme x 12 Lay x 1-1/2 Mipt SnapLok	15	
G3MS-218	1-1/2 Acme x 18 Lay x 1-1/2 Mipt SnapLok	10	



Riser Kit



Female Adapter

Product	Description	Pkg	Each
ACME RISERS FOR SWING JOINTS			
G587-002	1 Acme x 7 long Acme Riser	15	
G587-003	1-1/4 Acme x 7 Long Acme Riser	15	
G587-001	1-1/2 Acme x 7 Long Acme Riser	15	
G590-002	1 Acme Riser Kit	15	
G590-003	1-1/4 Acme Riser Kit	15	
G590-001	1-1/2 Acme x Riser Kit	15	
G001-002	1 Acme Female Adapter	25	
G001-003	1-1/4 Acme Female Adapter	25	
G001-001	1-1/2 Acme Female Adapter	25	



Product	Description	Pkg	Each
ACME SERVICE ELBOWS (SLIP x ACME)			
307-251	2 x 1-1/2	10	
307-291	2-1/2 x 1-1/2	5	
307-337	3 x 1-1/2	5	



Product	Description	Pkg	Each
ACME SERVICE TEES (SLIP x SLIP x ACME)			
302-251	2 x 2 x 1-1/2	10	
302-291	2-1/2 x 2-1/2 x 1-1/2	5	
302-337	3 x 3 x 1-1/2	5	



Tee



Reducer Bushing

Product	Description	Pkg	Each
ACME DOUBLE SWING TEES (ACME x ACME x ACME)			
305-015	1-1/2	10	
ACME REDUCER BUSHING (SPIGOT x ACME)			
305-015	1-1/2	10	



Product	Description	Pkg	Each
ACME TEST CAPS			
G548-010	1	50	
G548-012	1-1/4	50	
G548-015	1-1/2	50	



Product	Description	Pkg	Each
SERVICE TEE (TAPT COUPLING) - (GASKET x GASKET x ACME)			
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	



Product	Description	Pkg	Each
TAPT SADDLES - (SADDLE x ACME)			
364-251	2 x 1-1/2 TAPT SADDLE	5	
364-337	3 x 1-1/2 TAPT SADDLE	5	
364-419	4 x 1-1/2 TAPT SADDLE	5	



Product	Description	Pkg	Each
THRUST PLUGS (SPIGOT)			
349-020	2	15	
349-025	2-1/2	15	
349-030	3	10	
349-040	4	10	



Product	Description	Pkg	Each
SWING JOINT OUTLET ADAPTER (FIPT x ACME)			
G102-010	1 Fipt x 1 Acme	50	
G002-132	1 Fipt x 1-1/4 Acme	25	
G202-012	1-1/4 Fipt x 1-1/4 Acme	25	
G002-212	1-1/2 Fipt x 1-1/4 Acme	25	
G302-015	1-1/2 Fipt x 1-1/2 Acme	25	

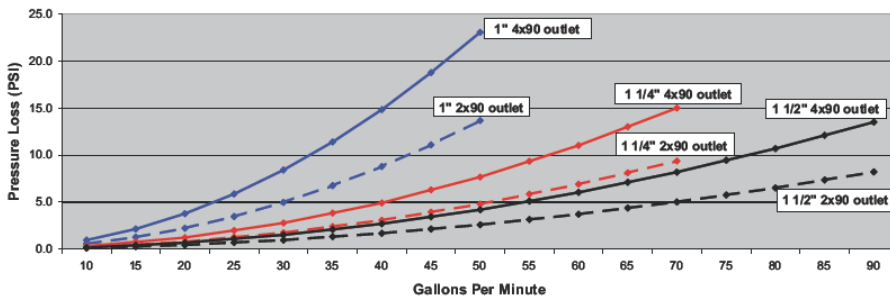


Toro® Swing Joints



Swing joints ensure the sprinklers are positioned properly to provide optimum nozzle performance. Toro offers a full line of swing joints that cover all Golf sprinkler thread types, quick couplers and 2" service tees for PVC and HDPE piping applications.

Swing Joint Friction Loss
Independently tested at the Center for Irrigation Technology (CIT)



Additional Features

- Schedule 80 PVC construction
- Double o-ring swivel joints
- Low friction loss characteristics
- 315 psi pressure rating
- 800 psi burst pressure safety rating
- 1", 1 1/4" and 1 1/2" models
- Standard models with 2X90 outlet configuration
- Ultra models with 4X90 outlet for maximum alignment flexibility
- 3 Inlet fittings styles; ACME, male thread and 4" spigot
- 2 outlet fitting styles; ACME and male thread
- 12" and 18" lay lengths
- Saddle Tee models; 2" tee w/ 1", 1 1/4" or 1 1/2" outlet
- Glue Tee models; 2" tee w/ 1", 1 1/4" or 1 1/2" outlet
- Quick coupler models w/ Dura-lock anti-rotation feature
- Compatible with all brands of service and saddle tees

Warranty

- Five years
- Toro Golf sprinkler warranty extended to 5 years when purchased and installed with a Toro Swing joint.

Product	Description	Pkg	Each
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TORO SWING JOINT - 12" STANDARD UNI-BODY

TSJ-10A-12-3-10A	1 Acme x 12 Lay x 1 Acme	10	
TSJ-10A-12-3-10M	1 Acme x 12 Lay x 1 Mipt	10	
TSJ-10M-12-3-10A	1 Mipt x 12 Lay x 1 Acme	10	
TSJ-10M-12-3-10M	1 Mipt x 12 Lay x 1 Mipt	10	
TSJ-15A-12-3-15A	1-1/2 Acme x 12 Lay x 1-1/2 Acme	10	
TSJ-15A-12-3-15M	1-1/2 Acme x 12 Lay x 1-1/2 Mipt	10	
TSJ-15M-12-3-15A	1-1/2 Mipt x 12 Lay x 1-1/2 Acme	10	
TSJ-15M-12-3-15M	1-1/2 Mipt x 12 Lay x 1-1/2 Mipt	10	
TSJ-12A-12-3-10A	1-1/4 Acme x 12 Lay x 1 Acme	10	
TSJ-12A-12-3-10M	1-1/4 Acme x 12 Lay x 1 Mipt	10	
TSJ-12A-12-3-15A	1-1/4 Acme x 12 Lay x 1-1/2 Acme	10	
TSJ-12A-12-3-15M	1-1/4 Acme x 12 Lay x 1-1/2 Mipt	10	
TSJ-12M-12-3-10A	1-1/4 Mipt x 12 Lay x 1 Acme	10	
TSJ-12M-12-3-10M	1-1/4 Mipt x 12 Lay x 1 Mipt	10	
TSJ-12M-12-3-15A	1-1/4 Mipt x 12 Lay x 1-1/2 Acme	10	
TSJ-12M-12-3-15M	1-1/4 Mipt x 12 Lay x 1-1/2 Mipt	10	

TORO SWING JOINT - 18" STANDARD UNI-BODY

TSJ-10A-18-3-10A	1 Acme x 18 Lay x 1 Acme	10	
TSJ-10A-18-3-10M	1 Acme x 18 Lay x 1 Mipt	10	
TSJ-10M-18-3-10A	1 Mipt x 18 Lay x 1 Acme	10	
TSJ-10M-18-3-10M	1 Mipt x 18 Lay x 1 Mipt	10	
TSJ-12A-18-3-10A	1-1/4 Acme x 18 Lay x 1 Acme	10	
TSJ-12A-18-3-10M	1-1/4 Acme x 18 Lay x 1 Mipt	10	
TSJ-12A-18-3-15A	1-1/4 Acme x 18 Lay x 1-1/2 Acme	10	
TSJ-12A-18-3-15M	1-1/4 Acme x 18 Lay x 1-1/2 Mipt	10	
TSJ-12M-18-3-10A	1-1/4 Mipt x 18 Lay x 1 Acme	10	
TSJ-12M-18-3-10M	1-1/4 Mipt x 18 Lay x 1 Mipt	10	
TSJ-12M-18-3-15A	1-1/4 Mipt x 18 Lay x 1-1/2 Acme	10	
TSJ-12M-18-3-15M	1-1/4 Mipt x 18 Lay x 1-1/2 Mipt	10	
TSJ-15A-18-3-15A	1-1/2 Acme x 18 Lay x 1-1/2 Acme	10	
TSJ-15A-18-3-15M	1-1/2 Acme x 18 Lay x 1-1/2 Mipt	10	
TSJ-15M-18-3-15A	1-1/2 Mipt x 18 Lay x 1-1/2 Acme	10	
TSJ-15M-18-3-15M	1-1/2 Mipt x 18 Lay x 1-1/2 Mipt	10	

Product	Description	Pkg	Each
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SADDLE STANDARD UNIBODY 12"

TSJ-10A-12-4-10A	1 Acme x 12 Lay x 1 Acme	10	
TSJ-10A-12-4-10M	1 Acme x 12 Lay x 1 Mipt	10	
TSJ-12A-12-4-10A	1-1/4 Acme x 12 Lay x 1 Acme	10	
TSJ-12A-12-4-10M	1-1/4 Acme x 12 Lay x 1 Mipt	10	
TSJ-12A-12-4-15A	1-1/4 Acme x 12 Lay x 1-1/2 Acme	10	
TSJ-12A-12-4-15M	1-1/4 Acme x 12 Lay x 1-1/2 Mipt	10	
TSJ-15A-12-4-15A	1-1/2 Acme x 12 Lay x 1-1/2 Acme	10	
TSJ-15A-12-4-15M	1-1/2 Acme x 12 Lay x 1-1/2 Mipt	10	

SADDLE STANDARD UNIBODY 18"

TSJ-10A-18-4-10A	1 Acme x 18 Lay x 1 Acme	10	
TSJ-10A-18-4-10M	1 Acme x 18 Lay x 1 Mipt	10	
TSJ-12A-18-4-10A	1-1/4 Acme x 18 Lay x 1 Acme	10	
TSJ-12A-18-4-10M	1-1/4 Acme x 18 Lay x 1 Mipt	10	
TSJ-12A-18-4-15A	1-1/4 Acme x 18 Lay x 1-1/2 Acme	10	
TSJ-12A-18-4-15M	1-1/4 Acme x 18 Lay x 1-1/2 Mipt	10	
TSJ-15A-18-4-15A	1-1/2 Acme x 18 Lay x 1-1/2 Acme	10	
TSJ-15A-18-4-15M	1-1/2 Acme x 18 Lay x 1-1/2 Mipt	10	

Specifying Information—Toro Swing Joint

TSJ-XXXX-XX-X-XXX						
Description	Size	Inlet Type	Length	Number of Elbows	Outlet Size	Outlet Type
TSJ—Toro Swing Joint	10—1" 12—1.25" 15—1.5"	M—MIPT (Male Pipe Thread) S—4" Spigot A—ACME thread GT—2" Glue Tee ST—2" Saddle Tee	12—12" Lay Length 18—18" Lay Length	3—Standard Unibody 4—Standard Unibody For Saddle Tees 5—Ultra Unibody 6—Ultra Unibody For Saddle Tees	10—1" 15—1 1/2"	M—MIPT (Male pipe thread) A—ACME thread QC—Quick Coupler

Example: A Toro 1 1/4" Swing joint with an 1 1/4" ACME inlet, 12" lay length, 3 elbows (standard unibody) and 1" ACME outlet fitting would be specified as: TSJ-12A-12-3-10A



Toro® Swing Joints

Product	Description	Pkg	Each
SADDLE TEE STANDARD UNIBODY 12"			
TSJ-10ST-12-4-10A	1 2" Saddle Tee x 12 Lay x 1 Acme	10	
TSJ-10ST-12-4-10M	1 2" Saddle Tee x 12 Lay x 1 Mipt	10	
TSJ-12ST-12-4-10A	1-1/4 2" Saddle Tee x 12 Lay x 1 Acme	10	
TSJ-12ST-12-4-10M	1-1/4 2" Saddle Tee x 12 Lay x 1 Mipt	10	
TSJ-12ST-12-4-15A	1-1/4 2" Saddle Tee x 12 Lay x 1-1/2 Acme	10	
TSJ-12ST-12-4-15M	1-1/4 2" Saddle Tee x 12 Lay x 1-1/2 Mipt	10	
TSJ-15ST-12-4-15A	1-1/2 2" Saddle Tee x 12 Lay x 1-1/2 Acme	10	
TSJ-15ST-12-4-15M	1-1/2 2" Saddle Tee x 12 Lay x 1-1/2 Mipt	10	

SADDLE TEE STANDARD UNIBODY 18"			
TSJ-10ST-18-4-10A	1 2" Saddle Tee x 18 Lay x 1 Acme	10	
TSJ-10ST-18-4-10M	1 2" Saddle Tee x 18 Lay x 1 Mipt	10	
TSJ-12ST-18-4-10A	1-1/4 2" Saddle Tee x 18 Lay x 1 Acme	10	
TSJ-12ST-18-4-10M	1-1/4 2" Saddle Tee x 18 Lay x 1 Mipt	10	
TSJ-12ST-18-4-15A	1-1/4 2" Saddle Tee x 18 Lay x 1-1/2 Acme	10	
TSJ-12ST-18-4-15M	1-1/4 2" Saddle Tee x 18 Lay x 1-1/2 Mipt	10	
TSJ-15ST-18-4-15A	1-1/2 2" Saddle Tee x 18 Lay x 1-1/2 Acme	10	
TSJ-15ST-18-4-15M	1-1/2 2" Saddle Tee x 18 Lay x 1-1/2 Mipt	10	



1 1/4" Female ACME x 1" Male ACME Adapter

Allows you to upgrade existing Rain Bird® Eagle 700 1 1/4" ACME sprinklers to any Toro 800S or DT Series Sprinkler. P/N TA36-132.

Toro Tool Tip:

Use a 1 1/4" hole saw for the 1" Saddle Tee.

Use a 1 1/2" hole saw for the 1 1/4" and 1 1/2" Saddles.



Product	Description	Pkg	Each
QUICK COUPLER - UNIBODY SWING JOINT 12"			
TSJ-10M-12-3-10QC	1 Mipt x 12 Lay x 1 Quick Coupler	10	
TSJ-10A-12-3-10QC	1 Acme x 12 Lay x 1 Quick Coupler	10	
TSJ-15M-12-3-15QC	1-1/2 Mipt x 12 Lay x 1-1/2 Quick Coupler	10	
TSJ-15A-12-3-15QC	1-1/2 Acme x 12 Lay x 1-1/2" Quick Coupl	10	

QUICK COUPLER - UNIBODY SWING JOINT 18"			
TSJ-10M-18-3-10QC	1 Mipt x 18 Lay x 1 Quick Coupler	10	
TSJ-10A-18-3-10QC	1 Acme x 18 Lay x 1 Quick Coupler	10	
TSJ-15M-18-3-15QC	1-1/2 Mipt x 18 Lay x 1-1/2 Quick Coupler	10	
TSJ-15A-18-3-15QC	1-1/2 Acme x 18 Lay x 1-1/2" Quick Coupl	10	

QUICK COUPLER - SADDLE SWING JOINT 12"			
TSJ-10A-12-4-10QC	1 Acme x 12 Lay x 1 Quick Coupler	10	
TSJ-15A-12-4-15QC	1-1/2 Acme x 12 Lay x 1-1/2" Quick Coupl	10	

QUICK COUPLER - SADDLE SWING JOINT 18"			
TSJ-10A-18-4-10QC	1 Acme x 18 Lay x 1 Quick Coupler	10	
TSJ-15A-18-4-15QC	1-1/2 Acme x 18 Lay x 1-1/2" Quick Coupl	10	

Funny Pipe Fittings Friction Loss Data

Description	GPM Flow						
	1	2.0	3	4.0	5	6	7
1/2" Male Adapter	0.04	0.10	0.23	0.43	0.80	1.37	1.86
3/8" Male Adapter	0.03	0.06	0.18	0.31	0.60	1.00	1.41
1/2" Male Elbow	0.05	0.15	0.36	0.62	1.13	1.62	2.37
3/8" Female Elbow	0.05	0.15	0.36	0.62	1.13	1.62	2.37
1/4" Male Adapter	0.06	0.18	0.41	0.8	1.42	2.2	3.05

This chart indicates the amount of pressure loss (psi) per foot of Super Funny Pipe at stated flow rates (GPM)

Funny Pipe Friction Loss Data

1	2	3	4	5	6	7
0.01	0.02	0.06	0.09	0.15	0.21	0.27

This chart indicates the amount of pressure loss (psi) per foot of Super Funny Pipe at stated flow rates (GPM)