



Swivelpole™

Safe Swivel™ POLE LOWERING JOINT

Build your own lowering pole in 10 easy steps.

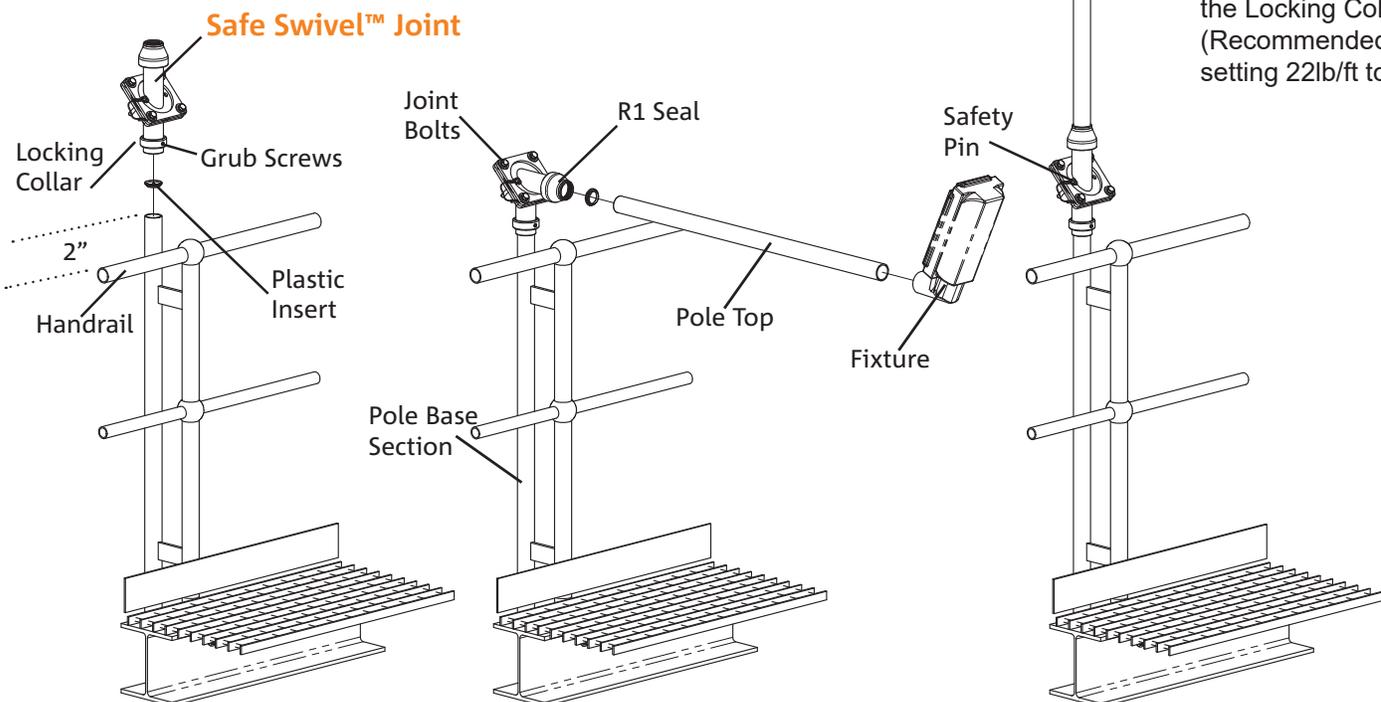
USER GUIDE: INSTRUCTIONS

- The Safe Swivel™ Joint is shipped fully assembled and ready to install.
- This guide to be followed in conjunction with onsite worksite procedures, safety rules and regulations
- Client/General Assembly Drawings are available online at swivelpole.com



Greenfield Installation (Guardrail Mounted)

1. Ensure you have pole sections cut to the required lengths and ready to be used with the Safe Swivel™ Joint.
2. Bolt the Pole Base Section onto the guardrail stanchion using appropriate mounting brackets (mounting brackets available from Swivelpole.) Ensure the base section protrudes 2" above the handrail. Fit Plastic Insert into the end of the Pole.
3. Remove the tape from around bottom Locking Collars of the Safe Swivel™ Joint.
4. While routing the cable through, place the Safe Swivel™ Joint onto the Pole Base Section.
5. Loosen but do not remove the Joint Bolts. Retract the Safety Pin and swivel the Joint 90-degrees downwards and re-insert the Safety Pin.
6. Orientate the Safe Swivel™ Joint correctly (see Orientation Guide overleaf). Tighten the bottom Grub Screws firmly. (Recommended torque setting 22lb/ft to 25lb/ft).
7. Fit Plastic Insert into the end of the Pole Top Section and feed the cable through it. While holding the Pole Top horizontally, slide it through the R1 Seal into the Safe Swivel™ Joint.
8. Slide the R1 Seal onto Pole Top to reveal the Grub Screws. These should now be tightened firmly. Attach the Fixture as per the manufacturer's instructions.
9. Raise the Pole Top while checking for obstructions. Adjust if necessary. Insert Safety Pin and tighten the Joint Bolts evenly and firmly. (Recommended torque setting 30lb/ft to 60 lb/ft).
10. The Fixture can be re-orientated by loosening the top Grub Screws and rotating the Pole Top to the desired direction. Tighten the Grub Screws and slide the R1 Seal back over the Locking Collar. (Recommended torque setting 22lb/ft to 25lb/ft).



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Product and Ordering Information

Base Section:			Top Section:			Maximum Pole Size		Pole Bending Moment	Maximum Operational Fixture Weight*				Product Code
Suits existing pole size:			Suits existing pole size:			Wall Thickness	Grade		To suit a pole height of:				
NPS	DN	OD	NPS	DN	OD	inches		kNm	8' (2400)	10' (3000)	13' (4000)	16' (5000)	
1¼"	32	42.2	1¼"	32	42.2	0.133	350	1.63	44lb	33lb			R1-32
1½"	40	48.3	1½"	40	48.3	0.145	350	2.32	44lb	33lb			R1-40
2"	50	60.3	2"	50	60.3	0.154	350	3.90	44lb	33lb	26lb	22lb	R1-50

*Maximum equipment weight refers to operational limits, not its structural capacity and includes the total of any equipment and its mounting bracket. Two person operation is recommended for poles over 10' (3m).

Operation and Safety Information

To LOWER pole:

1. Ensure safety pin is inserted.
2. Loosen (but do not remove) the joint bolts.
3. Whilst holding the pole top with one hand, retract the safety pin and lower it to a comfortable working position.
4. Insert the safety pin.

To RAISE pole:

1. Retract the safety pin.
2. Raise the pole top, guiding it as it swivels to the upright position.
3. Insert the safety pin.
4. Tighten the joint bolts evenly and firmly. (Recommended torque setting 30lb/ft to 60lb/ft).

Tool Requirements

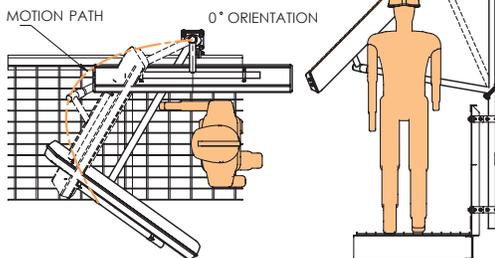
1. 3/4" Wrench
2. 5mm Allen Key

Safe Swivel™ Joint Orientation

IMPORTANT: Safe Swivel™ Joint allows clockwise or counter-clockwise orientation at any degree from the guardrail, with lowering operation to either side to clear any obstruction to either side.

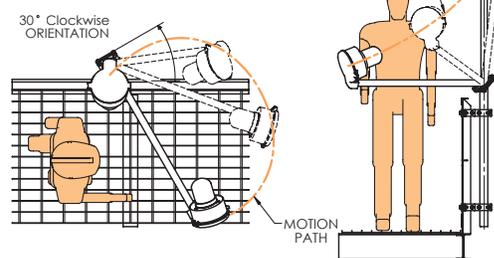
0° Safe Swivel™ Joint orientation

Orientation clearing obstruction behind the guardrail and to the right side.



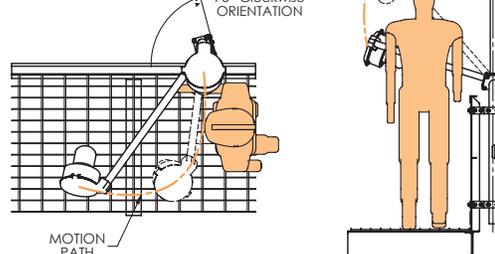
30° Safe Swivel™ Joint orientation

Clockwise orientation clearing obstruction to the left side.



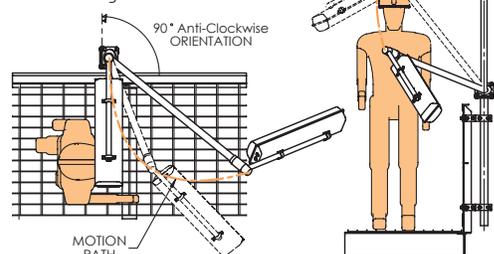
75° Safe Swivel™ Joint orientation

Clockwise orientation clearing obstruction behind the guardrail and to either side.



90° Safe Swivel™ Joint orientation

Anti-clockwise orientation clearing obstruction behind the guardrail and to the right side.



Design Compliance

The Safe Swivel™ Joint has been structurally certificated to withstand designed actions as per certificate T-16-077-Rev1 (available online). When the Safe Swivel™ Joint is used with the recommended pipe sizes it maintains the original design intent of a continuous pole. The Safe Swivel™ Joint can be used with alternative pipe sizing provided the design actions at the joint do not exceed the capacities outlined in the certificate. Your engineer is to ensure the suitability of the Safe Swivel™ Joint for your project.

Product Warranty: All equipment and goods are warranted by the seller to be free from defects in material and workmanship for five (5) years from the date of shipment. This warranty does not apply to equipment or goods which are misused, or abused, or damaged from installation, or not used in accordance with seller's instructions. Normal wear of equipment or goods is not included in this warranty. No responsibility will be taken for any modifications, alterations or additions to the standard product design. This includes exceeding recommended maximum weights for any fittings or exceeding the installed height.

Patent Information: The Swivelpole™ Product range is protected by patents and registered designs worldwide.

CUSTOMER SERVICE

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www.swivelpole.com



Brownfield Installation:

Pole Conversion:

For converting a pole on Brownfield sites, Swivelpole™ recommends the use of the Pole Conversion Tool Kit (PCTK). For more information on this product, see the Swivelpole™ Pole Conversion User Guide online at swivelpole.com/us/products/pole-conversion-tools