



INSTRUCTIONS - LMS113

INSTALLATION, OPERATION and MAINTENANCE INSTRUCTIONS FOR PIPE STANCHION MOUNT POLE

PART NO: LMS113 & LMS113SS

CAUTION: If working at heights ensure area below is clear of personnel and carry out all site safety requirements before commencing installation.

PIVOT & LINK POINT ASSEMBLY: (Refer to back for LMS113 ASSEMBLY DETAILS DRAWING – Note: Top Link & Lower Pivot Assembly are typically supplied assembled)

1. Ensure a suitable Stainless Steel lubricating compound (eg LOCTITE LB8009 Heavy Duty Anti Seize) is used on ALL stainless steel fixings prior to tightening.
2. **Top Link** - Firmly bolt **Items (A) & (B)** (Top Link Points) together using **Items (E1, E2, E3)** (M12 Secure Bolt, M12 Spring & Flat Washers). Assembled Items (A & B) form the **Top Link Point Assembly**. (Note: Items A & B are identical, Item A is referred to as Stanchion Side of assembly)
3. **Lower Pivot** - Firmly bolt **Items (C)** (Lower Pivot Points) together with **Item (D)** (Polyethylene Washer) between both pivot points using **Items (F1, F3 & F2)** (M16x40 Hex Head Bolt, M16 flat washers under M16 Nyloc Nut and head of bolt). Assembled Items (C) form the **Lower Pivot Point Assembly**

INSTALLATION: (Refer to back for LMS113 ASSEMBLY DETAILS DRAWING)

Note: Prior to installation confirm preferred pole lay down direction (Left or Right).

1. It is recommended to install the **Top Link Point Assembly** (assembled Items A & B) so that **Item (E1)** (M12 Secure Bolt) remains captive/secure in the Handrail Stanchion Side of the Link Point assembly (ie Item A) during operation. Simply rotate **Top Link Point Assembly** 180 degrees to achieve desired Left or Right lay down install orientation as shown below (Image 1 – Light Pole will lay Left, Image 2 – Light Pole will lay Right)



2. U-Bolt **Top Link Point Assembly** (assembled Items A & B) and **Lower Pivot Point Assembly** (assembled Item (C)) to the 40NB pipe handrail stanchion using **Items (G1, G2, G3)** (40NB U-Bolts, M10 Washers & Nuts).
3. U-Bolt light pole to installed **Top Link Point Assembly & Lower Pivot Point Assembly** using **Items (H1, G2, G3)** (32NB U-Bolts, M10 Washers & Nuts). Note: to minimise cable movement during operation U-Bolt base of Light Pole as low as possible to Lower Pivot Point Assembly.



4. At completion of installation check all U-Bolt fixings (Ensure a suitable Stainless Steel lubricating compound is used on ALL stainless steel fixings where applicable). Check the pole is mounted perpendicular and that pole installed orientation allows outreach to rest on the handrail when lowered.
5. Apply provided “**Caution Label**” sticker onto pole (nominal height 1200mm approx. from base) and enter weight of fitting installed. (For ease of operation LMS recommend a maximum fitting weight of 12kg)

Note: Light Mounting Systems Australia accepts no responsibility or liability if modifications are made to the equipment originally supplied or if supplied equipment is used in conjunction with materials or equipment that have not been tested as part of Light Mounting Systems Australia’s engineering & certification processes for the equipment supplied. The adequacy of the handrail, mounting points and or support structure should be verified by an approved site engineer. Light Mounting Systems Australia will accept no responsibility for failure due to the inadequacy of the handrail, mounting points and or support structure to which Light Mounting Systems Australia equipment is mounted.

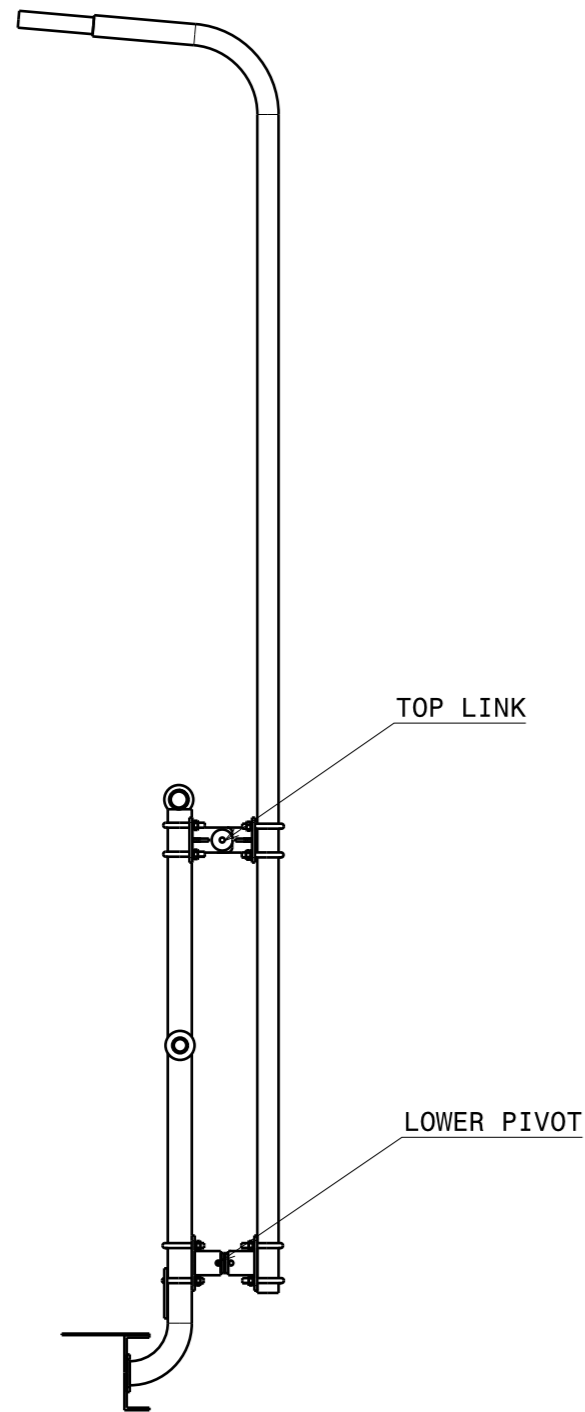
OPERATION: Sample Operation Video available <https://www.lightmountingsystems.com.au>

1. Take note of caution stickers attached to pole (Weight of light fitting)
2. Check there is sufficient slack cable at base of pole to allow for pivoting/lowering.
3. To lower, holding light pole untighten **Item (E1)** (M12 Secure Bolt) to release pole (bolt will remain captive/retained in link point Item A). Gently lower pole to handrail. To raise, gently raise pole to align Top Link Point tabs & tighten **Item (E1)** (M12 Secure Bolt) ensuring Top Link Point Assembly, **Item (A) & Item (B)** are firmly bolted together

MAINTENANCE:

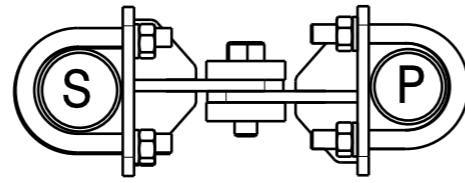
As a minimum, checking of light and pole mounting bolts during light servicing should be carried out.

PLEASE REFER TO BACK FOR ASSEMBLY DETAILS DRAWING

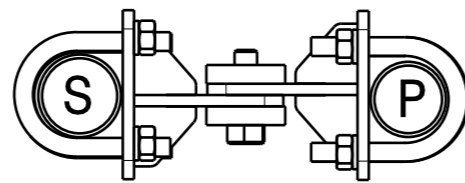


SIDE VIEW

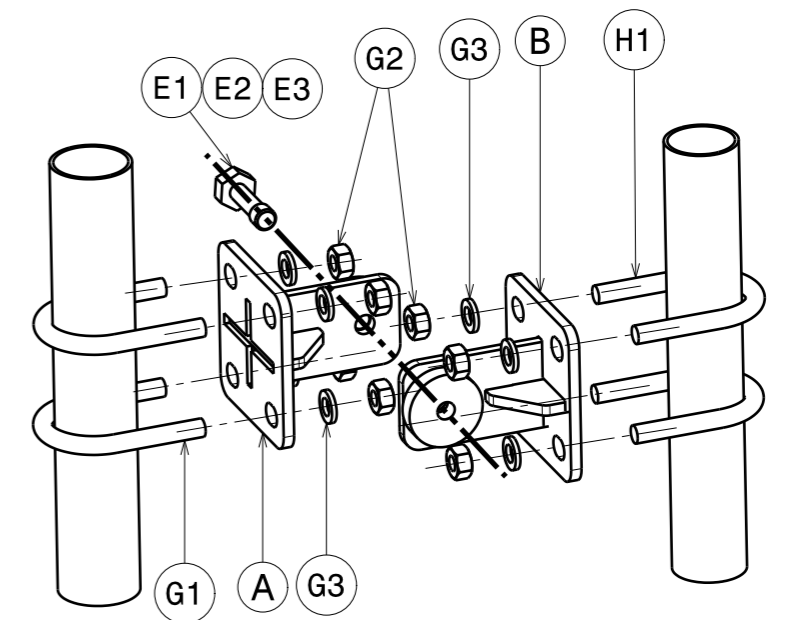
TOP STANCHION LINK ORIENTATION TO DETERMINE POLE ROTATION.



THIS ORIENTATION ALLOWS POLE TO LAY TO THE RIGHT.



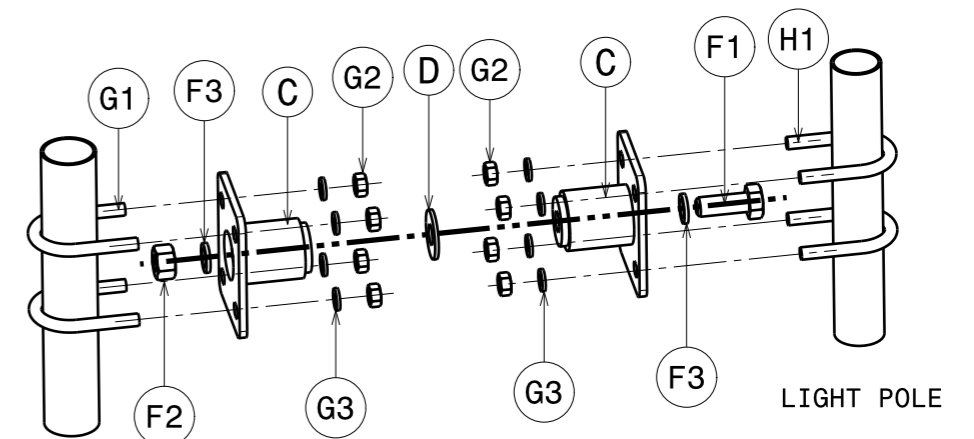
THIS ORIENTATION ALLOWS POLE TO LAY TO THE LEFT.



STANCHION

LIGHT POLE

TOP LINK



STANCHION

LIGHT POLE

LOWER PIVOT



H1	4	32NB U-BOLT
G3	16	M10 WASHER
G2	16	M10 NUT
G1	4	40NB U-BOLT
F3	2	M16 FLAT WASHERS
F2	1	M16 NYLOC NUT
F1	1	M16 x 40LG HEX HD SET SCREW
E3	1	M12 FLAT WASHER
E2	1	M12 SPRING WASHER
E1	1	M12 SECURE BOLT
D	1	POLYETHYLENE WASHER
C	2	LOWER PIVOT
B	1	TOP LINK (LIGHT POLE)
A	1	TOP LINK (STANCHION)
PART	QTY	DESCRIPTION

ASSEMBLY DETAILS FOR LMS-113 HANDRAIL MOUNT LIGHT POLE