

**READ THESE INSTRUCTIONS COMPLETELY BEFORE STARTING WORK.
IF YOU HAVE ANY QUESTIONS CONTACT :
sales@laddersolutions.com.au or sales@laddersolutions.co.nz**



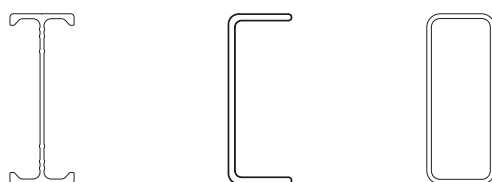
ROBUST LADDERS, DESIGNED TO LAST

MODEL LA20

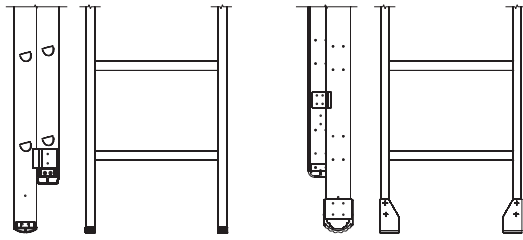
Level-Arc

PT. Indal Aluminium Industry remains committed to researching and upgrading its manufacturing practices and product offering. The current addition to Indal's innovative product range is the Level-Arc, a self leveling device that allows the ladder to automatically lock in level position when used on uneven ground. Being a standard component, it enhances the safety and convenience of our extension ladders. Made from lightweight structural aluminium, it provides a stable platform on uneven ground. Simply by allowing the weight of the ladder to drop, the ladder remains secured once positioned, no locking required.

- The Level-Arc is suitable for single and extension ladders in all lengths, both aluminium and fibreglass. It can be used for any ladder with an inside width of 265mm up to 508mm.
- The Level-Arc is a self leveling device that allows the ladder to automatically lock in level position when used on uneven ground.
- The Level-Arc can be used for ladders with different styles of side-rails : I-shape, C-shape or Rectangular shape.



- The Level-Arc can be used for ladders with different feet, fixed feet or rubber feet etc., as long as the foot is not wider than 65mm.



Level-Arc features

- Wide anti slip base provides added support and stability.
- Lightweight yet robust aluminium construction.
- Fully automatic positioning.
- No locking required - ladder remains secured once positioned.

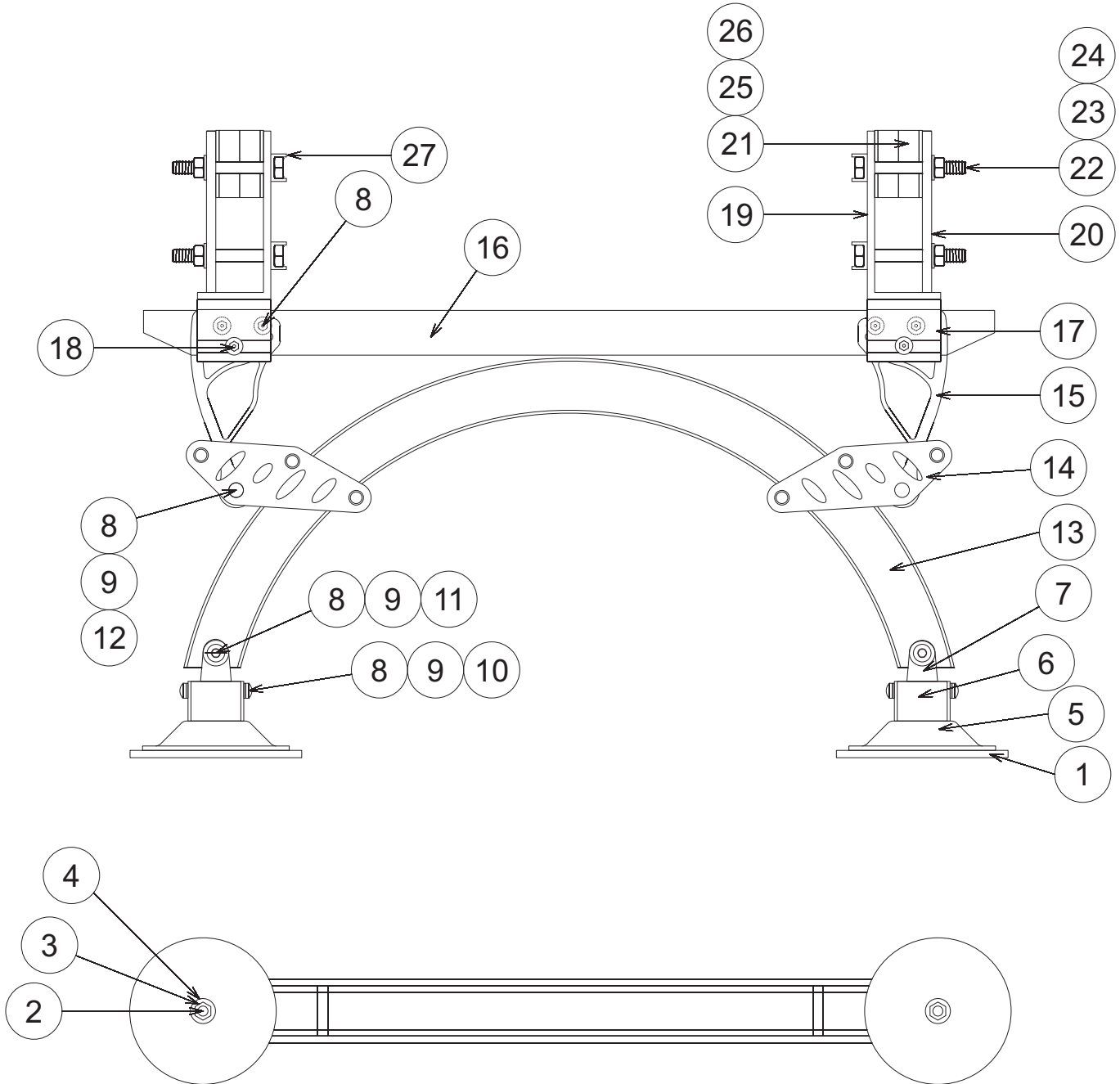
Level-Arc accessory (LA20) can be fitted two ways :

1. Using the clamping method to fix the Level-Arc on to the side-rail temporarily.
2. Using the bolt through method to fix the Level-Arc to the ladder permanently.

Contents box

- Level-Arc LA20 (1 unit)
- Instruction manual (1 pc)
- Allen key / hex key (1 pc)
- Locating pin (4 pcs)

Level-Arc LA20



Level-Arc part list

NO	DESCRIPTION	QTY
1	NON SLIP PAD	2
2	CUP HEAD BOLT M8 x 25mm	2
3	NUT NYLOC M8	2
4	M8 x 28mm FLAT WASHER	2
5	PRESSED FOOT	2
6	PIVOTING SOCKET	2
7	DUAL PIVOT CONNECTOR	2
8	TAMPER PROOF SCREW M6 x 14mm	20
9	SPRING WASHER M6 x 2.5 x 1.6mm	12
10	BRAKE ASSY BUSHES M6 x 35mm	2
11	BRAKE ASSY BUSHES M6 x 41mm	2
12	BRAKE ASSY BUSHES M6 x 48mm	2
13	EXTRUDED ARC - WIDTH 525mm	1
14	BRAKE MECHANISM ASSY	2
15	EXTRUDED BRAKE SUPPORT	2
16	EXTRUDED TOP RAIL	1
17	EXTRUDED TOP RAIL MOUNTING BRACKET	2
18	BOLT M6 x 25mm	2
19	LADDER FOOT CLAMP A	2
20	LADDER FOOT CLAMP B	2
21	ALUMINIUM SPACER 65 x 45.8 x 14mm	4
22	HEXAGON BOLT M8 x 75mm	8
23	NUT NYLOC M8	8
24	STEEL WASHER ID 8 x OD 20	16
25	ALUMINIUM SPACER 127 x 50 x 1.5mm	2
26	ALUMINIUM SPACER 65 x 45.8 x 2mm	4
27	CHANNEL	4



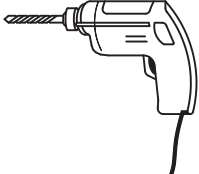
CHECK ALL COMPONENTS BEFORE USE. DO NOT USE DAMAGED PARTS.

WARNING

- Failure to comply with all instructions may result in serious injury.
- Before installing this kit, identify all kit components. If any components are missing or damaged, return the kit to place of purchase. Do not substitute any components.
- Inspect the ladder before installing this kit. Repair or replace any damaged or missing ladder parts before using the ladder. If unable to repair, discard the ladder.

TOOLS REQUIRED

You need these tools to install your Level-Arc :

1. Pencil (for Bolt through method of fitting).  1 pc
2. Combination wrench 13mm.  2 pcs
3. Electric drill with dia. 8mm shank drill (for Bolt through method of fitting).  1 pc

CAUTION

- Do not use a ladder or Level-Arc that is not working properly. You could be injured.
- Wear a dust mask when drilling holes in fibreglass ladder.
- Wear glasses when drilling holes on any ladder.

INSTALLATION MANUAL FOR SINGLE & EXTENSION LADDERS ALUMINIUM AND FIBREGLASS

1. CLAMPING METHOD

Preparation

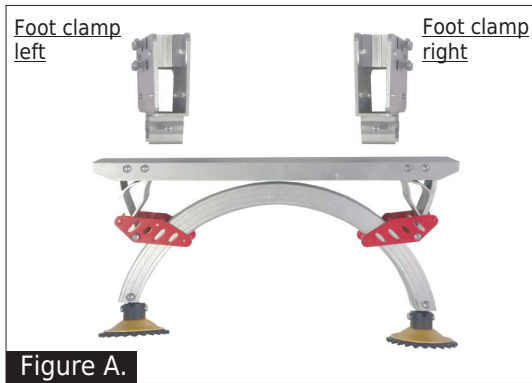


Figure A.

1. Remove Level-Arc (LA20) from the box.

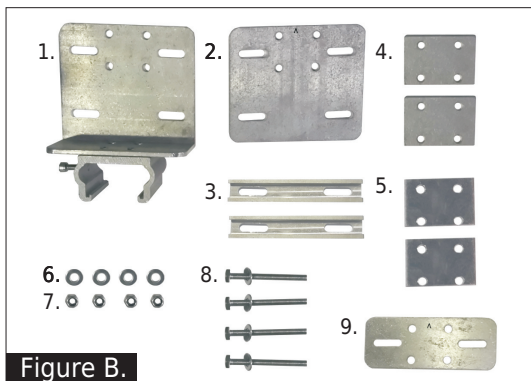


Figure B.

Ladder foot clamp list :

NO	DESCRIPTION	QTY
1.	LADDER FOOT CLAMP A	2
2.	LADDER FOOT CLAMP B	2
3.	CHANNEL	4
4.	ALUM. SPACER 65 x 45.8 x 14mm	4
5.	ALUM. SPACER 65 x 45.8 x 2mm	4
6.	STEEL WASHER ID 8 x OD 20	16
7.	NUT NYLOC M8	8
8.	HEXAGON BOLT M8 x 75mm	8
9.	ALUM. SPACER 127 x 50 x 1.5mm	2

Figure C.

2. Dismantle ladder foot clamp, left and right (Figure B).

Assembly



Figure D.

1. Slide the ladder foot clamp A into position on the Level-Arc, left and right.



Figure E.

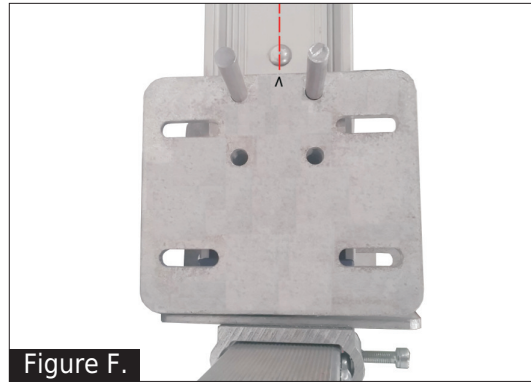


Figure F.

- Put the ladder on the ladder foot clamp A and adjust the extruded tip rail mounting bracket, according to the width of ladder (Figure E). Ensure the ladder is centered on LA20 (Figure F).

Please use provided locating pins to hold the aluminium spacers in position before placing the bolt through 4 slot holes (Figure F).

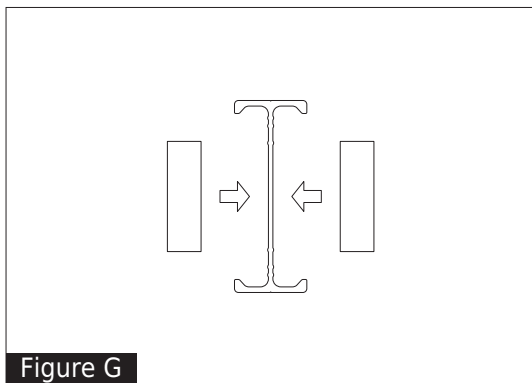


Figure G

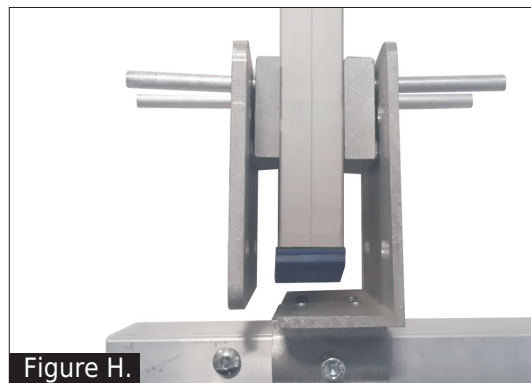


Figure H.

If the ladder side-rail is an I-shape, please place the aluminium profile spacers 65 x 45.8 x 14mm on both sides of the rail. For each side of the rail, use 2 locating pins to hold the aluminium spacer in position (Figure G and Figure H).

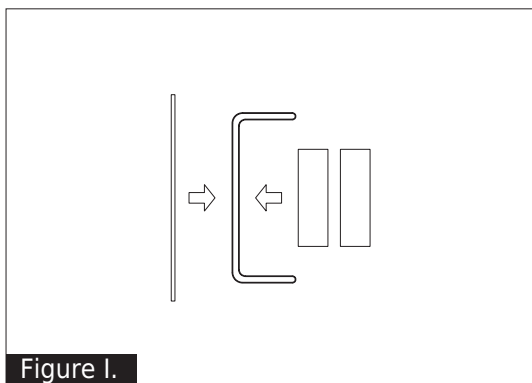


Figure I.

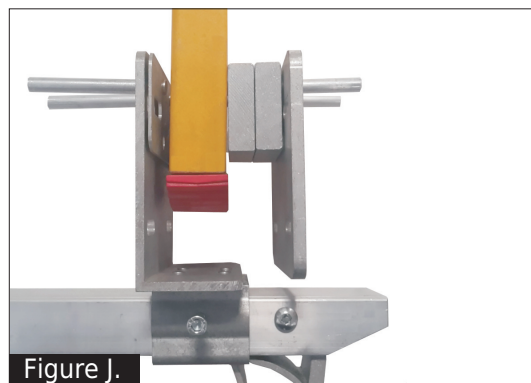
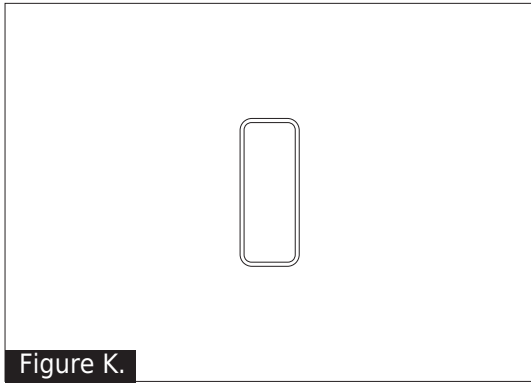
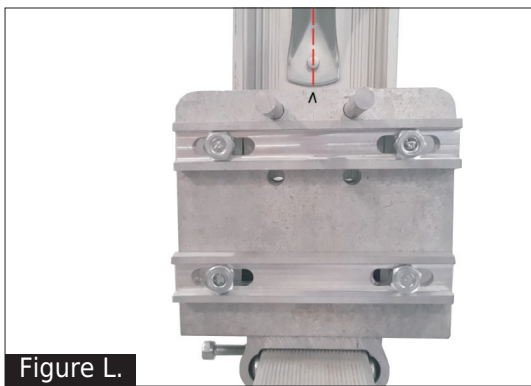


Figure J.

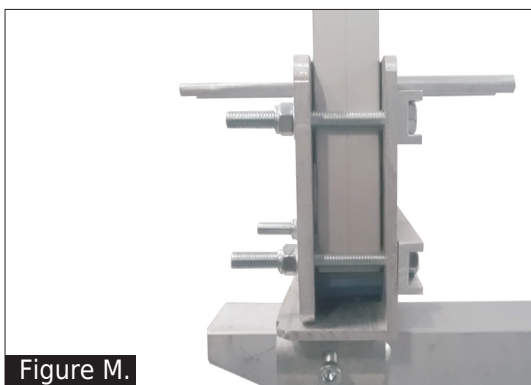
If the ladder side-rail is a C-shape, please place the aluminium profile spacers 65 x 45.8 x 14mm and the aluminium profile spacers 127 x 50 x 1.5mm on the rail (Figure I and Figure J).



If the ladder side-rail is a Rectangular shape, it does not require the aluminium spacer to be placed on the side-rail (Figure K).



3. Make sure the bolts sit tightly against the side-rail. Place aluminium spacers, ladder foot clamp B, bolts, nuts and washer back on both sides. Bolts are placed on 4 slot holes (Figure L).



4. Make sure the foot of the ladder sits on the clamp completely and all the bolts are securely fastened.



Figure O.

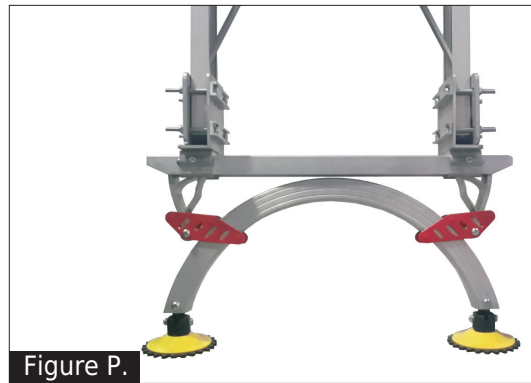


Figure P.

5. Tighten the positioning bolts using the allen key provided (Figure O). The ladder is now ready to use (Figure P).

IMPORTANT - HOW TO USE YOUR Level-Arc CORRECTLY

- When setting your ladder down ready to use, hold the ladder above the ground, looking at the ladder rung that is at your eye level, to ensure that it is horizontal (ie. the ladder is vertical). Gently place your ladder 'straight' down on the ground and this will allow the Level-Arc to position itself accurately. Once the ladders weight is resting on the Level-Arc, then lean it on to the building / support you are using.
- You can see a demonstration on the Level-Arc at :
www.LadderSolutions.com.au or www.LadderSolutions.co.nz

2. BOLT THROUGH METHOD

Preparation

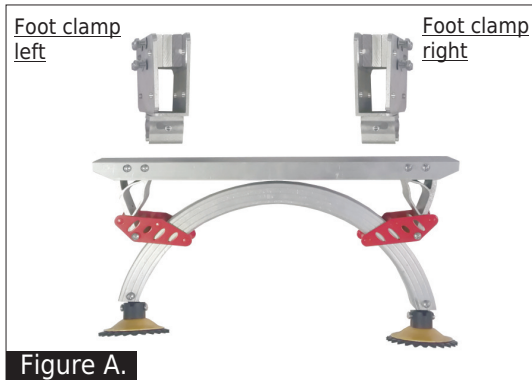


Figure A.

1. Remove Level-Arc (LA20) from the box.

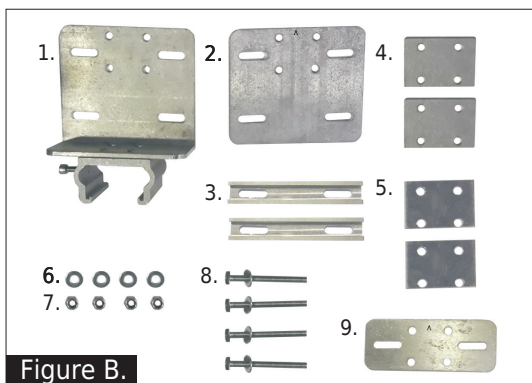


Figure B.

Ladder foot clamp list :

NO	DESCRIPTION	QTY
1.	LADDER FOOT CLAMP A	2
2.	LADDER FOOT CLAMP B	2
3.	CHANNEL	4
4.	ALUM. SPACER 65 x 45.8 x 14mm	4
5.	ALUM. SPACER 65 x 45.8 x 2mm	4
6.	STEEL WASHER ID 8 x OD 20	16
7.	NUT NYLOC M8	8
8.	HEXAGON BOLT M8 x 75mm	8
9.	ALUM. SPACER 127 x 50 x 1.5mm	2

Figure C.

2. Dismantle ladder foot clamp, left and right (Figure B).

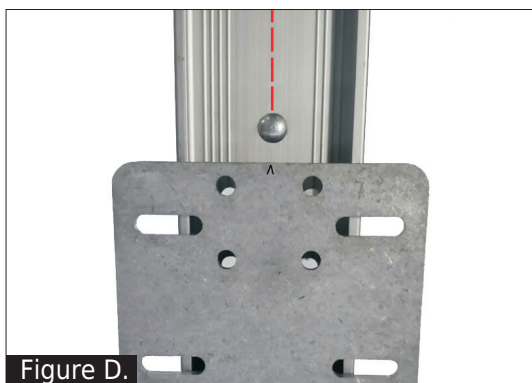
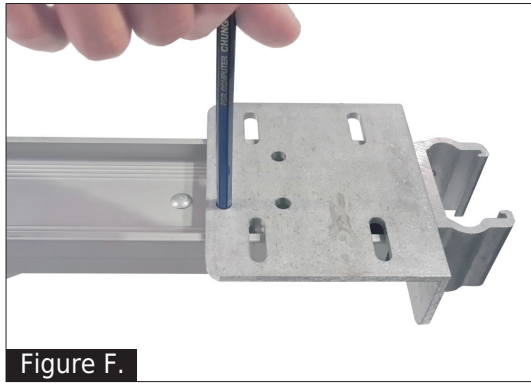


Figure D.



Figure E.

3. Use ladder foot clamp A to mark the position of the holes on each side-rail, left and right. Make sure the "V" mark on the clamp is positioned right in the middle of the ladder side-rail, so that the ladder is in centre position (Figure D). Make sure the foot of the ladder sits on the clamp completely (Figure E).

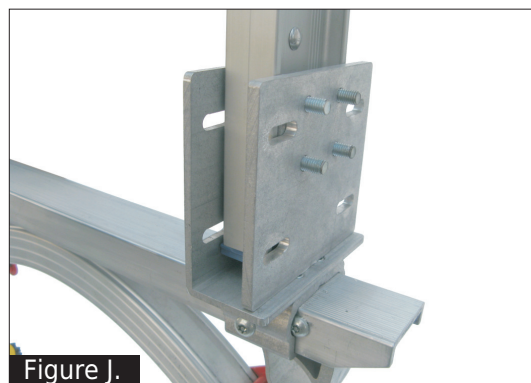


4. Use the ladder foot clamp A as a template to remark (Figure F). Use the 8mm drill bit to drill straight at the centre of the hole through the side-rail (Figure G).
5. Repeat the same for the other ladder side-rail so that 4 holes are drilled on both side-rails (left and right).

Assembly



1. Slide the ladder foot clamp A into position on the Level-Arc, left and right.



2. Put the ladder on the ladder foot clamp A (Figure I) and adjust the extruded tip rail mounting bracket according to the width of the ladder (Figure J).



Figure K.

Ensure the ladder is centered on LA20. Place aluminium spacers, ladder foot clamp B, bolts, nuts and washer back on both sides. The bolts are placed on 4 holes in the middle (Figure K).

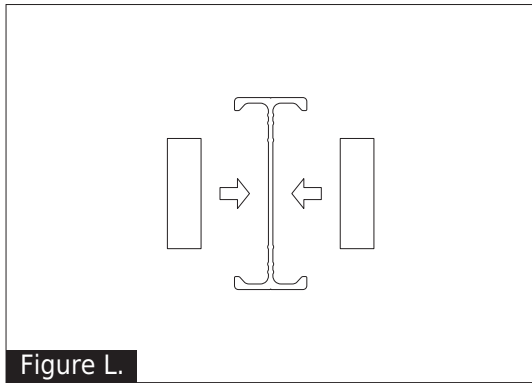


Figure L.

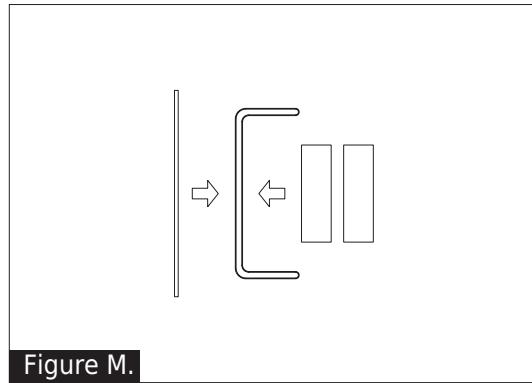


Figure M.

If the ladder side-rail is an I-shape, please place the aluminium profile spacer 65 x 45.8 x 14mm on both sides of the rail (Figure L).

If the ladder side-rail is a C-shape, please place the aluminium profile spacers 65 x 45.8 x 14mm and the aluminium profile spacers 127 x 50 x 1.5mm on the rail, as shown (Figure M).

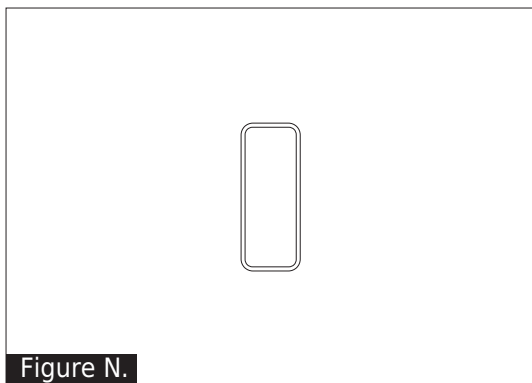
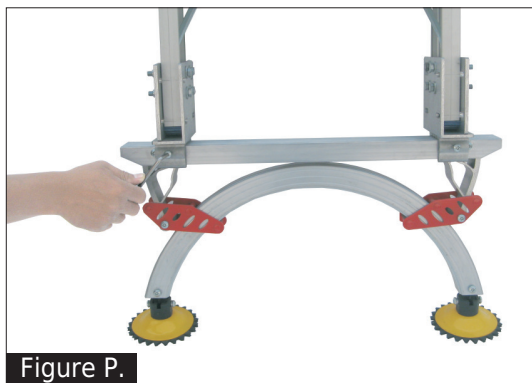


Figure N.

If the ladder side-rail is a Rectangular shape, it does not require the aluminium spacer to be placed on the side-rail (Figure N).



3. Make sure all the bolts are securely fastened.



4. Tighten the positioning bolts using the allen key provided (Figure P). The ladder is now ready to use (Figure Q).

IMPORTANT - HOW TO USE YOUR Level-Arc CORRECTLY

- When setting your ladder down ready to use, hold the ladder above the ground, looking at the ladder rung that is at your eye level, to ensure that it is horizontal (ie. the ladder is vertical). Gently place your ladder 'straight' down on the ground and this will allow the Level-Arc to position itself accurately. Once the ladders weight is resting on the Level-Arc, then lean it on to the building / support you are using.
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