



**#1 IN OUTDOOR
PING PONG TABLES**

GENERAL INFORMATION

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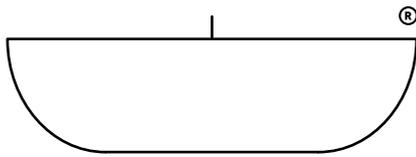
1. Site Planning
2. Delivery
3. Assembly
4. Anchoring
5. Maintenance

1. SITE PLANNING

Prior to delivery of a POPP outdoor ping pong table (Table), customers should consider the following:

- 1.1 Table Information
- 1.2 Playing Area
- 1.3 Surfaces
- 1.4 Table Orientation
- 1.5 Surroundings
- 1.6 Site Preparation

1.1 TABLE INFORMATION



HERO

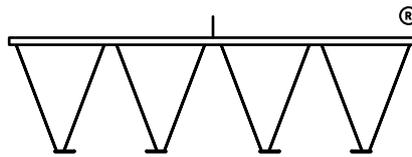
Table Dimensions: 2740 x 1525 x 760mm h

Weight: @700kg

Included: Equipment holder, 4x Secure Anchoring Footings

Materials: 10mm steel plate and steel supports, welded

Surface Treatment: Abrasive blast, zinc rich primer and UV-rated two pack polyurethane colour top coat



ICON

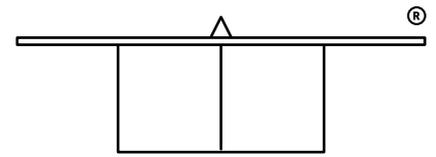
Table Dimensions: 2740 x 1525 x 760mm h

Weight: @350kg

Included: Equipment holder, 8x Secure Anchoring Footings

Materials: Steel rod (20mm), angle and plate, welded and fastened

Surface Treatment: Abrasive blast, powder coat for exterior application



LOCAL

Table Dimensions: 2740 x 1525 x 760mm h

Weight: @215kg

Included: Equipment holder, 4x Secure Anchoring Footings

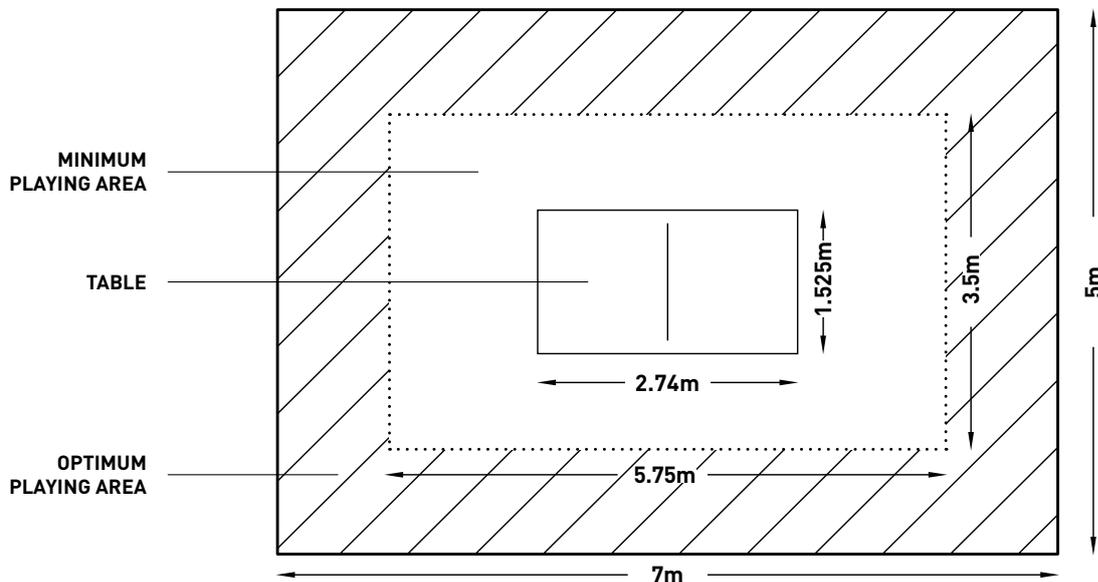
Materials: Galvanised steel and outdoor compact laminate top, welded, fastened and bonded

Notes: The LOCAL is designed for covered outdoor locations

1.2 PLAYING AREA

POPP recommends minimum and optimum playing area allowances. Both areas provide more experienced players adequate space for a fun game of social ping pong. The Optimum Playing Area provides additional space for competitive games and spectators. Customized playing areas (including reduced playing areas) are also possible and common. This need may arise if multiple Tables are required or if existing spaces include pre-defined orientations or structures.

1.2.1 RECOMMENDED MINIMUM + OPTIMUM PLAYING AREAS



1.2.2 CUSTOM PLAYING AREA

For assistance with custom playing areas, please contact POPP at info@popp.world or 0401 00 33 33.

1.3 SURFACES

There are two surfaces that must be considered when placing a POPP table - the Playing Area Surface and the Anchoring Area Surface.

The Playing Area Surface is the playing space surrounding the table, on which users of the table will stand to play. Refer to *1.2 Playing Area* for minimum and optimal playing area allowances.

The Anchoring Area Surface is the area directly in contact with each Table's Secure Anchoring Footings which allows the Table to be securely anchored.

The Playing Area and Anchoring Area Surfaces can be the same or different depending on the site anchoring requirements and design of the space. Requirements and features of Playing and Anchoring Area Surfaces are as follows;

1.3.1 PLAYING AREA SURFACES

Playing Area Surfaces can be new or existing. They are often (but not limited to):

- ✓ Concrete
- ✓ Asphalt
- ✓ Crushed granite
- ✓ Crushed limestone
- ✓ Compacted material
- ✓ Paving
- ✓ Soft-fall or recycled rubber surfaces
- ✓ Sand, gravel, clay or dirt surfaces

POPP recommends that the Playing Area surface be flat, level and hard-formed.

POPP does not recommend that Tables be installed on significantly sloping, uneven or soft surfaces. The customer accepts sole responsibility for installing the Table. Where required, refer to *1. Table Information* above.

1.3.2 ANCHORING AREA SURFACES

POPP tables must be anchored to the Anchoring Area Surface using all available Secure Anchoring Footings.

Anchoring Area Surfaces:

- ✓ Can be new or existing;
- ✓ Must be flat and level;
- ✓ Must be hard-formed; and
- ✓ Must be suitable for anchoring the Table (as per the manufacturer's instruction and specification for the anchoring mechanism).

Refer to *4. Anchoring* below.

1.4 TABLE ORIENTATION

The orientation of a Table may be determined by the physical space, design features, existing structures and the playing area. POPP recommends that when determining table orientation, consideration also be given to:

- Direction of sun. *POPP recommends that Tables receive a setting sun on the side rather than a playing end, where possible.*
- Impact of viewing from existing or planned seating. *POPP recommends that seating be adjacent to the sides of the table, where possible.*
- Visibility. *POPP recommends that for the HERO table, the undercarriage be visible from the main thoroughfare (street or pathway).*

1.5 SURROUNDINGS

The surroundings and physical features of a playing space are important in creating an engaging active space. POPP recommends that consideration be given to the surroundings and physical features of the existing or planned space and position Tables, where possible:

- ✓ Under full or partial shade
- ✓ In full or partial wind-protected areas including from trees, walls, structures, buildings, public furniture and amenities or other natural or man made structures
- ✓ Near existing or planned seating
- ✓ Near (or clearly visible from) pathways, streets or thoroughfares

When designing, planning or considering a playing area for a Table, the following questions may assist:

1. What elements feature in or frame the playing area? *Seating, artificial shade structures, natural shade, surfaces, lighting, barriers to visibility etc*
2. What is within walking distance of the space? *Houses, apartments, public transport, cafes, bars, schools, universities, libraries, community spaces, active spaces etc*
3. What facilities already exist or are planned that are or will be complementary to informal recreation? *Basketball courts, skate parks, fitness equipment, playgrounds, barbecues, bocci courts, parkour facilities, walking trails, bike paths, sporting fields etc*
4. Who uses the area (currently)? *Age groups, residents, tourists, visitors, students etc*
5. How is the area used (currently)? *Social, anti-social, daytime, nighttime, weekends etc*
6. What is the desired use of the area? *Social, positive, community-building, a place for a particular group, an informal recreation opportunity, a safe place, a space for all generations etc*
7. Who are the desired users of the area? *Age groups, residents, tourists, visitors, students etc*

POPP is happy to assist with 'ping pong placemaking' recommendations, images, references and examples if specific objectives are identified and desired by the customer.

1.6 SITE PREPARATION

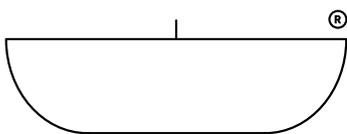
POPP does not assist in site preparation or undertake site works. The information provided in this document can be used to assist in any necessary site preparation including works for Anchoring Area Surfaces (including concrete slabs) and Playing Area Surfaces by the customer, however POPP recommends that customers seek independent contractor advice for their site and follow manufacturer instructions and specifications for surfaces (including curing and reinforcement) and anchoring.

2. DELIVERY AND ASSEMBLY

Delivery of Tables is undertaken by third party carriers (Carriers) in accordance with a Delivery Planning Form completed by the customer prior to delivery. Access, safety of public and site visitors, tracks and or boards to protect surfaces (if required) and on site guidance and instruction of Carriers is the sole responsibility of the customer.

Delivery and assembly requirements differ for each model. Please note:

2.1 HERO (no assembly required)



The HERO delivery method is dependent on truck access and the completed Delivery Planning Form. POPP will formulate a full delivery plan for your site to ensure a smooth delivery and where possible, will deliver with a HIAB crane truck.

Packaging: Packing felt and pallet wrap, pallet (optional)

Method: HIAB crane truck (where possible)

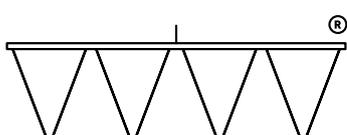
Vehicle access: Required (for HIAB crane truck)

Delivery Location: Final site (where possible)

Self-assembly: Not required

Anchoring: Required by customer

2.1 ICON (assembly required)



The ICON is delivered kerbside by a third party carrier in accordance with a Delivery Planning Form completed by the customer.

Packaging: Protective wooden crate

Method: Tail lift truck with pallet trolley

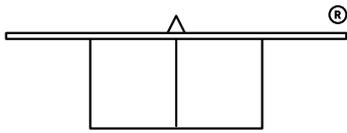
Vehicle access: Not required

Delivery Location: Kerbside

Self-assembly: Required by customer

Anchoring: Required by customer

2.3 LOCAL (assembly required)



The LOCAL is delivered kerbside by a third party carrier in accordance with a Delivery Planning Form completed by the customer.

Packaging: Packaged on a custom wooden pallet

Method: Tail lift truck with pallet trolley

Vehicle access: Not required

Location: Kerbside

Self-assembly: Required by customer

Anchoring: Required by customer

The ICON and LOCAL tables require self-assembly. Assembly instructions are supplied with delivery. If assembly instructions are required prior to delivery, contact info@popp.world to request a PDF version.

4. ANCHORING

Tables must be anchored to the Anchoring Area Surface by the customer using all available Secure Anchoring Footings. The following are recommended guidelines for anchoring to suitable concrete strip footings or slabs. For all Anchoring Area Surfaces, POPP recommends that customers seek independent contractor advice and follow applicable manufacturer instructions and specifications to ensure the anchoring mechanism is appropriate for the Anchoring Area Surface.

4.1 EQUIPMENT (WHAT IS NEEDED)

The following equipment is required for anchoring in concrete:

- ✓ Masonry drill
- ✓ Masonry drill bit (see sizing below)
- ✓ Vacuum, compressed air cleaner or drilled hole bristle cleaner
- ✓ Chemical anchoring product (Sikaflex or similar)
- ✓ Caulking gun
- ✓ Measuring tape
- ✓ Tape or permanent marker
- ✓ Corrosion resistant anchors, nuts and nylon washers (see sizing below)

Refer to *4.3 Recommended Anchors and Sizing* for applicable anchors and drill sizes for your table.

4.2 GUIDELINES

The following are recommended guidelines for anchoring in concrete strip footings or slabs (Anchoring Area Surface):

1. Position Table in final location.
2. If required, ensure table is assembled as per Assembly Guidelines and Secure Anchoring Footing Protectors are attached to each Secure Anchoring Footing.
3. Drill through each Secure Anchoring Footing (and packer, if required) using an appropriate masonry drill and masonry drill bit. Drill to the requisite depth as specified below. Take precautions when drilling to ensure painted surfaces on the Table are not damaged (tape up or protect footing, if necessary). If they are damaged, then refer to *5. Maintenance* below and or use a cold galvanize product and silicon to completely seal any exposed steel.
4. Use vacuum, compressed air cleaner or drilled hole bristle cleaner to remove all concrete dust and debris from the drilled hole.
5. Insert the appropriate anchor with a galvanised or nylon washer and check the depth of the hole and height of exposed thread for securing, then remove anchor.
6. Mix chemical anchoring product and inject into hole as per manufacturer instructions and specifications.
7. Insert anchor into filled hole and remove excess product carefully to ensure nut can fasten onto anchor.
8. When the chemical anchoring product has cured as per manufacturer specifications, apply silicon generously on and in the Secure Anchoring Footing hole and then place galvanised or nylon washer and nut and tighten fully.
9. Repeat process for all remaining Secure Anchoring Footing holes.

4.3 RECOMMENDED ANCHORS AND SIZING

4.3.1 HERO

Securing footings: 4 x 2 holes

Hole diameter: 19mm

Drill bit diameter: 18mm

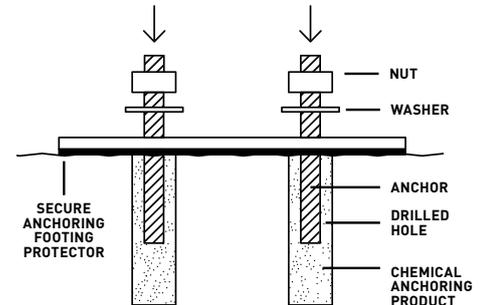
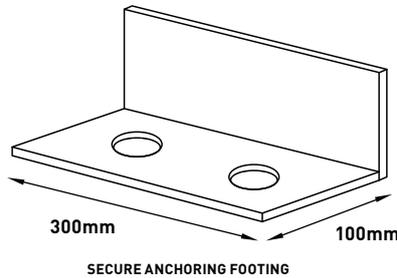
Drill bit length: 130mm

Drilled hole depth: 120mm

Anchors: 8x galvanised M16 x 150mm

Washers: 8x galvanised or nylon (to suit M16)

Nuts: 8x galvanised (to suit M16)



4.3.2 ICON

Securing footings: 8 x 1 hole

Hole diameter: 19mm

Drill bit diameter: 18mm

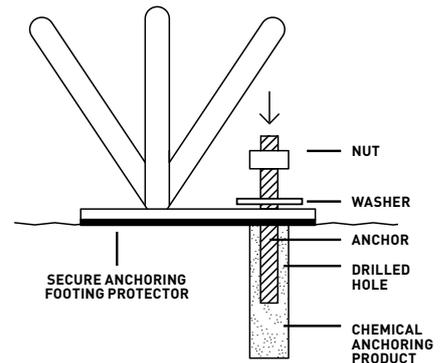
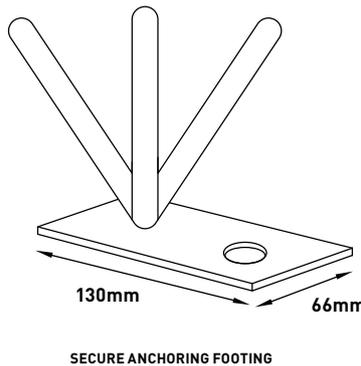
Drill bit length: 80mm

Drilled hole depth: 70mm

Anchors: 8x galvanised M12 x 110mm

Washers: 8x galvanised or nylon (to suit M12)

Nuts: 8x galvanised (to suit M12)



4.3.3 LOCAL

Securing footings: 4 x 1 hole

Hole diameter: 19mm

Drill bit diameter: 18mm

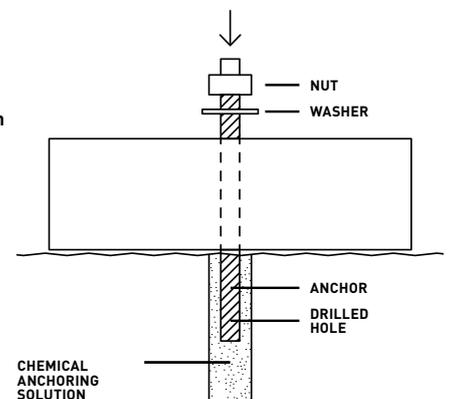
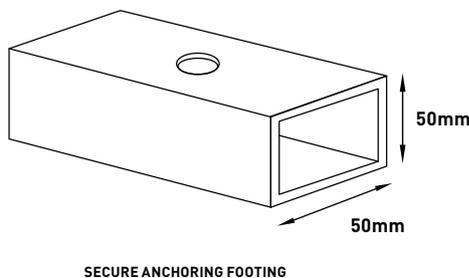
Drill bit length: 120mm

Drilled hole depth: 70mm

Anchors: 4x galvanised M12 x 150mm

Washers: 4x galvanised or nylon (to suit M12)

Nuts: 4x galvanised (to suit M12)



5. MAINTENANCE

Tables are manufactured to provide many years of use and enjoyment. In order to prolong the use and enjoyment and to ensure the safety and security of Tables, POPP recommends customers maintain a regular schedule of inspection, assessment and maintenance as described below - in addition to their own maintenance and safety policies, processes, guidelines and requirements. Please note: Maintenance, inspections and assessments are the sole responsibility of the customer.

5.1 MAINTENANCE SCHEDULE

Customers must regularly inspect, assess and maintain all Table surfaces, welds, supports, footings, fasteners and anchors at least every six (6) months. POPP recommends that the customer consider increasing the frequency of assessment if the Table may be exposed to increased, additional or particular (to that area) usage, weather (including but not limited to marine, coastal, aquatic or otherwise corrosive environments) or other conditions or factors including but not limited to vandalism. The customer accepts sole responsibility of inspecting, assessing and maintaining tables. The following table is an example of a schedule and inspection checklist:

OUTDOOR PING PONG TABLE MAINTENANCE SCHEDULE AND INSPECTION CHECKLIST

DATE	INSPECTOR	ANCHORS, FOOTINGS	WELDS	SURFACE DAMAGE OR CORROSION	FASTENERS	FRAME AND TABLE STRUCTURE	WARPING OR TILTING DUE TO SURFACE	NOTES/ ACTION REQUIRED
6/8/2018	TS	✓	✓	None	✓	✓	None	None

At assessments, POPP also recommends regular maintenance in accordance with 5.2 *Maintenance Guidelines* below.

5.2 MAINTENANCE GUIDELINES

POPP recommends that regular maintenance of Tables address:

5.2.1 DIRT, GRIME AND AIRBORNE SALT DEPOSITS

Dirt, grime and airborne salt deposits are capable of causing damage and corrosion to Tables.

Maintenance: All Table surfaces should be regularly cleaned with a dilute solution of a mild liquid detergent in warm water. Avoid excessively hot solutions. Use a medium bristle brush or similar to clean the surface. Do not use abrasive tools. After cleaning, rinse surfaces thoroughly with fresh water. Do not use strong solvent type cleaners.

5.2.2 FADING, CHALKING, DEGLOSSING OR DISCOLOURATION OF PAINTED SURFACES

Fading, chalking, deglossing and or discolouration will unfortunately occur to the highest standard of UV rated, weatherproof paint and powdercoat surface treatments.

Maintenance: Maintenance of fading, chalking, deglossing and discolouration of painted surfaces is limited. Tables can however be painted onsite (with artwork or block colours) or they can be repainted or re-powder coated offsite at a certified surface treatment contractor. For more information, please contact info@popp.world or 0401 00 33 33.

5.2.3 DAMAGE TO OR DEGRADATION OF TABLE SURFACES, WELDS, SUPPORTS, FOOTINGS, ANCHORING AREA SURFACES AND PLAYING AREA SURFACES

Regular inspections and assessments in accordance with the 5.1 *Maintenance Schedule* are recommended to ensure Tables remain structurally sound, safe and secure.

Maintenance: Faulty, corroded or damaged surfaces, welds, supports, footings, warping or corrosion of steel and other surfaces and lifting or dropping of the Anchoring Area Surface (including from roots, poorly compacted fill and or sinking) that cause the Table to tilt, lean, rock or flex, should be treated seriously and a qualified engineer must be engaged to inspect the Table. If deemed necessary by the engineer, the site should be secured immediately until further notice and POPP must be contacted.

5.2.4 MECHANICAL DAMAGE EXPOSING BARE STEEL

Maintenance: If bare steel is exposed on the Table (by mechanical or other means), POPP recommends that the exposed area only be sanded by hand with a 120 grit wet dry sandpaper to a point where no visible corrosion remains. A cold galvanise product must then be applied to the exposed area as per manufacturer specifications. 2 coats of the POPP Touch Up Paint can then be applied to the area (if the Table has not be repainted a different colour - in that circumstance, a touch up paint of that colour is recommended).

5.2.5 DAMAGE TO OR LOOSENING OF FASTENERS OR ANCHORS

Regular inspections and assessments in accordance with the *5.1 Maintenance Schedule* are recommended to ensure Tables remain structurally sound, safe and secure.

Maintenance: Faulty, corroded, damaged or loose fasteners or anchors should be replaced or tightened, as required. Consider nylon nuts, a fastening adhesive (Loctite or similar) or secure fasteners for added security.