CanadaDocks

14'x16' COMPLETE HEXAGON FLOATING DOCK KIT



ST075	#12x¾" Pan Head Tek Screw	x30
(Aluminum	Trim)	
STF075	#12x¾" Flat Head Tek Screw	x176
(Joists)		
ST2 or STI	R2 #12x2" Pan Head Tek Screw	x336
(Decking)		
NL38	3/8" Lock nut	x24
NG38	3/8" Galvanized Nut	x28
NL25	1/4" Lock Nut	x24
WS38	3/8" Lock Washer (HDG*)	x28
HG1	Corner Brace (Hexagon Gusset)	x4
CB075S	3/8" x 3/4" Carriage Bolt(SS*)	x24
CB3G	3/8" x 3" Carriage Bolt(HDG**)	x24
B2558	1/4" Hex Bolt	x24
EB1	Eye Bolt for anchoring(HDG*)	x4

JB120	Connector Bracket	x6
BD1	D - Washer	x28
AT90	90.5" Aluminum Trim	x6
FP1	Float Plug	x6
Т8	Truss (8 ′)	x6
DK1x4	1′x4′ Thruflow™ Decking	x42
F8	2'x8'x12" Dock Float	x2
F4	2'x4'x12" Dock Float	x4
HCB1	Corner Bracket	x6
J178	178″ Joist	x2
J165	165″ Joist	x6
J150	150.5" Joist	x2
J137	137.25" Joist	x2
J122	122" Joist	x2
J82	82″ Joist	x2

* (SS) Stainless Steel

** (HDG) Hot Dipped Galvanized



TOOLS REQUIRED:



Ensure you have all needed components before beginning the build. Please see Page 1-2 for full parts list and tools needed to complete the job.

Attach trusses (T8) using connector brackets (JB120), carriage bolts (CB075S) and K-Locknuts (NL38) to create the outer frame of the hexagon.

Ensure that bottom of trusses are facing upwards.

Place corner brackets(HG1) in the corners of the hex frame. See diagram above for location placement. Fasten corner brackets using 1/4" bolts(B2558) and 1/4" lock nuts(NL25).

Prop floats underneath the frame as shown in the illustration above. These will be the approximate spots where each float will be fastened to the frame.

Measure 24" from the edge of truss to the inside of the hexagon frame(See Image A). Mark off joist on either side of frame with permanent marker. Place joist(J122) so that it is flush with the markings(See Image B). Fasten joists using self drilling tek screws (STF075) and #3 Phillips driver bit. Use two screws for each end of the joist. Repeat instructions for joist on the opposite side of hexagon.

PLEASE NOTE: The floats have been removed from the images above and some of the proceeding instructions to better demonstrate joist installation.

Tie a string to the connecting points to create a straight edge in the middle of the hexagon frame (See above).

Measure 12" from the edge of the string to the side of the hexagon frame and mark with a permanent marker (See above). Measure and mark 12" on the opposite side of the string. Place joist(J178) so it is centred with the markings. Fasten joists using self drilling tek screws (STF075). Use two screws for each end of the joist. Repeat for joist on the opposite side of hexagon.

Measure and mark 36" off joists on either side of frame with permanent marker. Place joists(J150) so that they are flush with the markings. Attach joists using ³/₄" self drilling tek screws (STF075). Use two screws for each end of the joist. Repeat on truss on the opposite side of hexagon.

🕑 ХЗ

Before attaching floats, insert float plugs (FP1) using a 5/16" Allen Key for all 6 float pieces.

1

Use the spots (shown in the image below) as a guide for drilling holes to acccomodate floats. Using the float slots as a guide drill holes to attach the floats to the frame and joists. Do not drill too close to joist screws as it will interfere with the assembly of floats connected to the dock.

BOLT LOCATION FOR FASTENING FLOATS

Ensure that the inside floats **A** & **B** are placed 62" from each edge of the dock frame (See image beside for details). This will provide room for any future Wheel Kits that may be added to your Hexagon dock frame.

12

İİİ

PLEASE NOTE: 3 or more people will be needed to flip over the dock frame.

Using the diagram above to insert carriage bolts (CB3G) & eye bolts (EB1) in the locations shown. Fasten floats with D-Washer (BD1) and nuts(NG38).

PLEASE NOTE: The location of the eye bolts may change depending on your specific setup or preference.

Measure 8" from centre of truss (T8) on either side of the truss frame and mark on top with permanent marker.

Repeat on truss on the opposite side of hexagon.

PLEASE NOTE: The floats and bottom joists have been removed from the images above and some of the proceeding instructions to better illustrate instructions.

Place joists in frame. Using locking pliers to hold in place, line up and centre joists with the markings(See above). Fasten joists (J165) using self drilling tek screws (STF075) and #3 Phillips driver bit. Use two screws for each end of the joist. Repeat for joist on the opposite side of hexagon.

Measure and mark 16" from the previous marking with permanent marker for both joists (See above). Place Joists in frame. Using locking pliers to hold in place, line up and centre joists with markings. Fasten joists (J165) using self drilling tek screws (STF075). Use two screws for each end of the joist. Repeat for Joist on the opposite side of hexagon.

Measure and mark 16" from the previous markings with permanent marker for both joists (See above). Place joists in frame. Using locking pliers to hold in place, line up and centre joists with markings. Fasten joists (J165) using self drilling tek screws (STF075). Use two screws for each end of the joist. Repeat for Joist on the opposite side of hexagon.

Measure 16" from centre of previous Joist and mark with permanent marker on the truss (See above). Place joists in frame. Fasten joists (J137) using self drilling tek screws (STF075). Use two screws for each end of the joist. Repeat for joist on the opposite side of hexagon.

Measure 16" from centre of previous Joist and mark with permanent marker on the truss(See Above). Place joists in frame. Fasten joists (J82) using ³/₄" self drilling tek screws (STF075). Use two screws for each end of the joist. Repeat for joist on the opposite side of hexagon.

STF075

PLEASE NOTE: It is suggested to use a 4" or longer Phillips #3 Bit for fastening joist intersections.

X

Intersection Locations

X112

FASTEN TWO SCREWS DIAGONAL FROM ONE ANOTHER

At each joist intersection place two screws(STF075) for each upper joist to fasten the joists. Intersection location for placement are shown above. Place two screws at the bottom flange of the top joist in a diagonal pattern(see image above).

WITH SCREWS

Tie a string to the connecting points to create a straight edge in the middle of the hexagon frame (See above). Install first sheet of ThruFlow[™] (DK1x4) centered and aligned against the straight edge. Fasten using self drilling tek screws (ST2/STR2) and #3 Phillips or Robertson driver bit. See also ThruFlow[™] decking instructions for more detail installing decking.

PLEASE NOTE: The floats have been removed from the images above and some of the proceeding instructions to better demonstrate panel installation.

After installing the first piece, align the next two pieces square to your starter piece (See above). Fasten using self drilling tek screws (ST2/STR2).

Continue adding Thruflow[™] panels ensuring each piece is aligned with the underlying joists and any Thruflow[™] panels that will be beside it. Fasten using self drilling tek screws (ST2/STR2).

Continue adding Thruflow[™] panels ensuring each piece is aligned with the underlying joists and any Thruflow[™] pieces that will be beside it. Fasten using self drilling tek screws (ST2/STR2).

Once the above panels are installed cut any excess panels from the edges of the truss with a circular saw. Set circular saw to a cutting depth that will not cut into the aluminum dock frame (Approx. 1"). Cut off excess ThruFlow[™] decking (DK1x4) as shown. Do not discard the excess pieces as these will be used to fill in the corner areas of the hexagon.

Turn the excess pieces around and add them into the corners of the frame that have not been covered with decking (See above). Install using self drilling tek screws (ST2/STR2). Repeat these instructions for the opposite side of the dock.

Trim the excess portion from the top panel and any areas left over along the sides with a circular saw. Ensure that the circular saw is set to a depth that will not cut into frame (Approx. 1").

Repeat Steps 21 through 27 on the opposite side of hexagon to complete the decking installation.

Place aluminum trim (AT90) pieces along each side of the hexagon frame.

Distribute the aluminum trim(AT90) pieces evenly on each side of the hexagon so they are 2" from the corner of the truss to the edge of the trim.

Install aluminum trim (AT90) around the sides of hexagon by drilling three ³/₄" self drilling tek screws (STF075) through the trim into the truss. Use the diagram above for spacing.

The ends of the aluminum trim(AT90) should fit underneath the ends of the corner bracket (HCB1).

Fasten the bracket with two screws(ST075) in the locations shown Step 30.