ABRIS CRYSTAL

INSTALLATION GUIDE

Round-roof double car shelter

18 × 30 ft

11 steps | 2+ people | Frame • tarp • doors • anchoring

INTERACTIVE GUIDE

Scan to follow each step on your phone.

abriscrystal.com/en/guide/double-rond-18x30

Read the whole guide before you start. Keep it for reassembly.

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Before you start

2+
PEOPLE MINIMUM
You need at least 2 people to lift and position the shelter.

FLAT GROUND
Assemble the shelter on flat, clear ground, close to where it will stand.

11
STEPS
Follow them in order. Each step lists its parts.

TOOLS

- Gloves
- Safety glasses
- Drill-driver
- Pliers
- Tape measure
- Stepladder
- Box cutter

HOW TO READ THIS GUIDE

SR ×3 = the part code and the quantity, as in the list on page 3.

A gold circle shows exactly where to look.

☐ Check off each step when it's done.

The photos show an 18 × 20: same steps.

Golden rule: wing nuts **W1** facing in, tightened with the drill-driver as you go. Check them all in step 9.

IMPORTANT • SAFETY

- **This shelter must be securely anchored.** It is a temporary structure, not recommended as a permanent structure.
- Guy wires or permanent anchors: **strongly recommended**.
- Read and follow the warnings printed on your tarp.
- Read the whole guide before assembly.

The 11 steps

FRAME

01 Prepare the parts
02 Assemble the 7 arches
03 Assemble the roof (on the ground)
04 Legs and diagonal braces — side 1

TARP

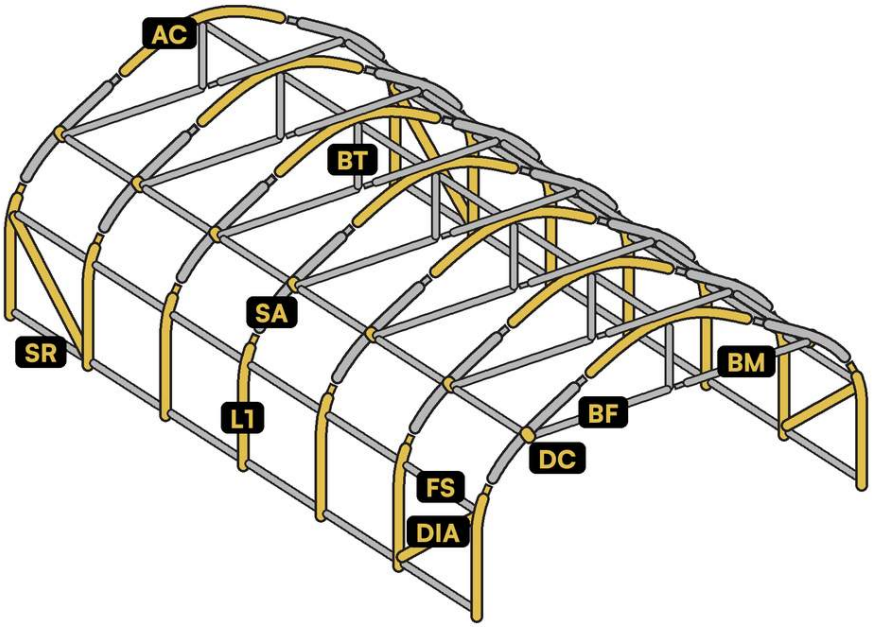
05 Put on the tarp
06 Tie the front and back
07 Legs and diagonal braces — side 2
08 Tighten and tie the tarp

FINISHING

09 Position, square, check
10 Install the doors
11 Anchor the shelter

Parts list • 18 × 30 ft

Check off each part before you start. Missing a part? Call us at 450-914-1444.



Hardware: wing nuts, bolts and half-collars DC

FRONT bottom right. All arches the same, every 5 ft. 7 lines of spacers. 1 diagonal brace DIA at each end, on each side.

ARCHES

☐	AC	Arch centre	7
☐	SA	Arch corner	14
☐	BF	Female door bar	7
☐	BM	Male door bar	7
☐	BT	T-bar	7
☐	DC	Half-collar	14

TARP

☐	T	Tarp	1
☐	CO	Rope	1

LEGS AND SPACERS

☐	L1	Leg	14
☐	DIA	Diagonal brace	4
☐	SR	Male spacer (5 ft)	35
☐	FS	Female spacer (5 ft)	7

DOORS

☐	DH	Door ring	24
☐	S	S-hook	12
☐	AE	Elastic tie	12

HARDWARE

☐	B2	Short bolt	
☐	B3	Medium bolt	
☐	B4	Long bolt 4 in	35
☐	W1	Wing nut ¼ in	74

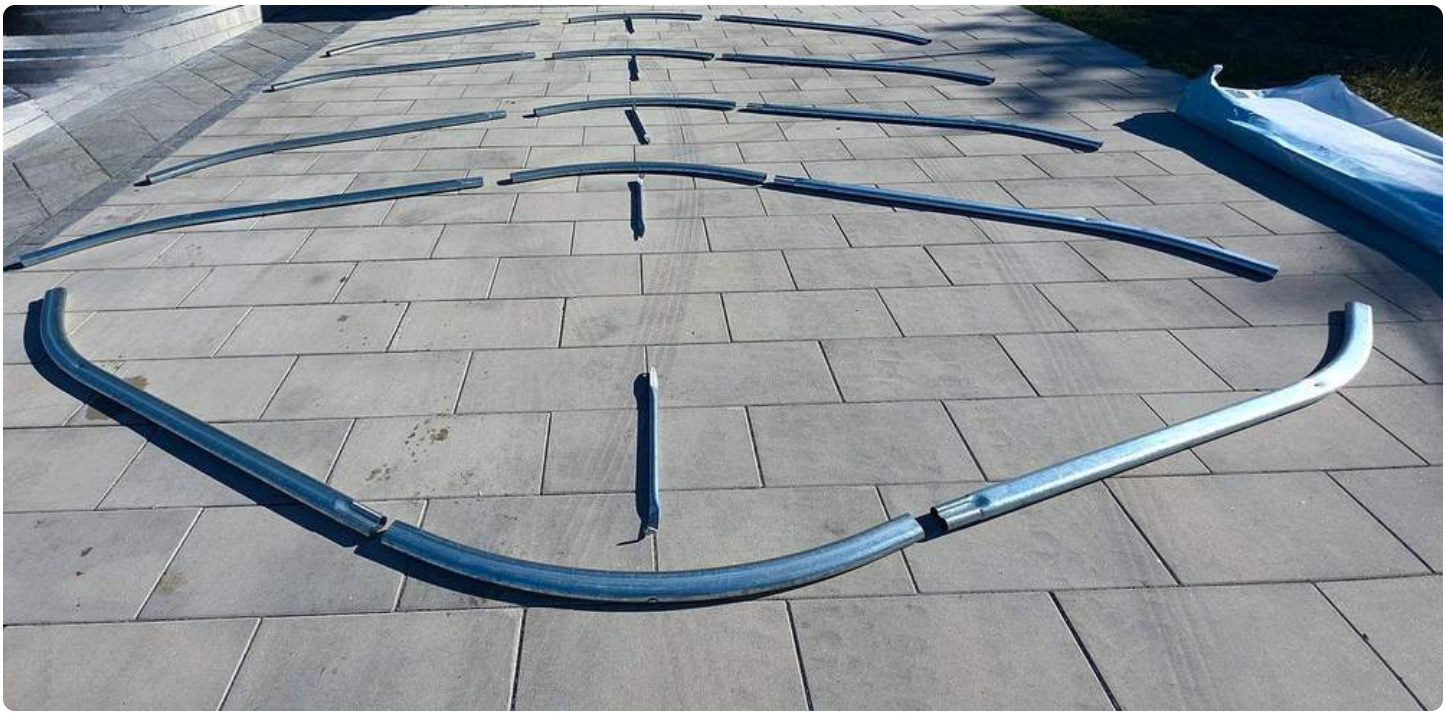
ANCHORING

☐	U	Anchor	6
☐	CU	Anchor nail	12

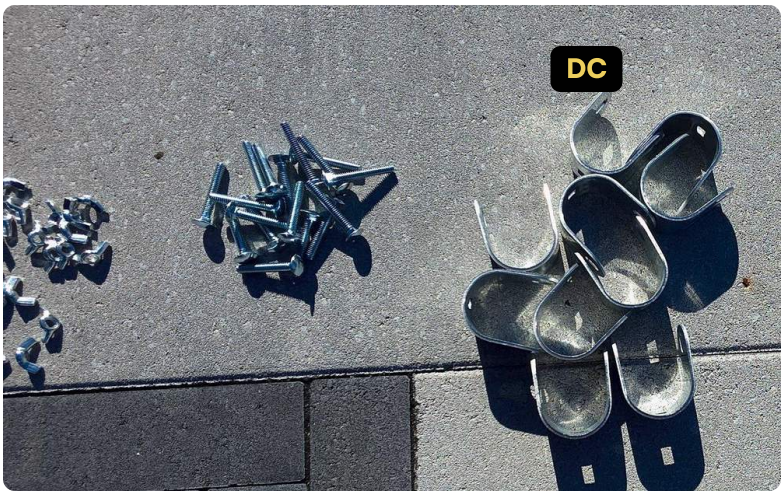
01 Prepare the parts

All the parts on the ground, sorted, ready to assemble.

DONE



One arch, without its door bar: 2 corners, centre, T-bar



Hardware

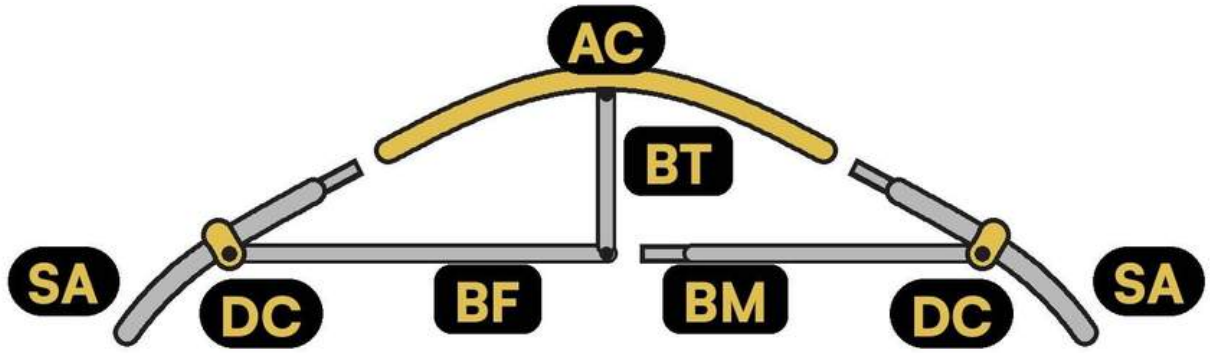
1. Open the boxes carefully: a knife can pierce the tarp. Leave it folded until step 5.
2. Take out the parts and check them off in the list on page 3.
3. Lay out the parts of each arch together on the ground: centre **AC**, 2 corners **SA**, door bar **BF** + **BM**, T-bar **BT**.
4. Sort the hardware: half-collars **DC**, short **B2**, medium **B3** and long **B4** bolts, wing nuts **W1**.

KEY POINT A narrow end always goes into a wide end.

02 Assemble the 7 arches

7 complete round arches, on the ground. They are all the same.

DONE



One arch, parts spread out

Corner—centre joint

PARTS FOR 1 ARCH

AC	Arch centre	×1
SA	Arch corner	×2
BF	Female door bar	×1
BM	Male door bar	×1
BT	T-bar	×1
DC	Half-collar	×2

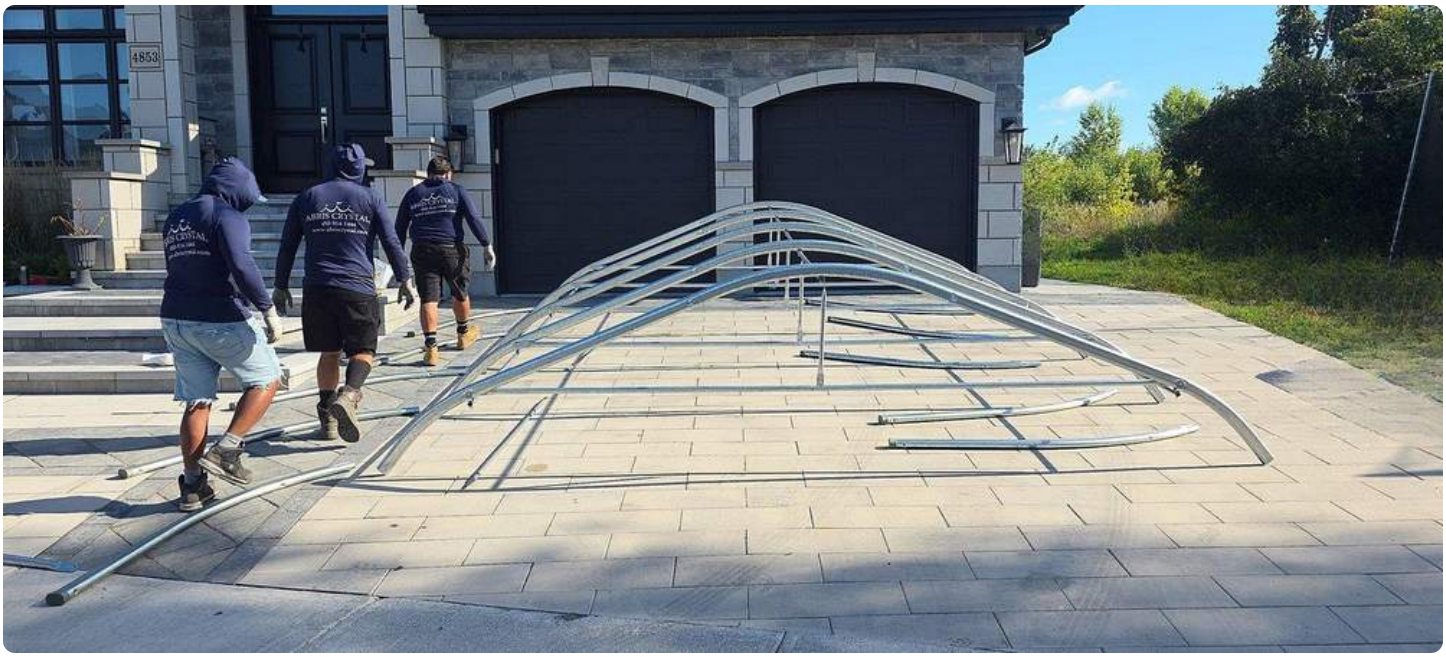
×7 Repeat for the 7 arches

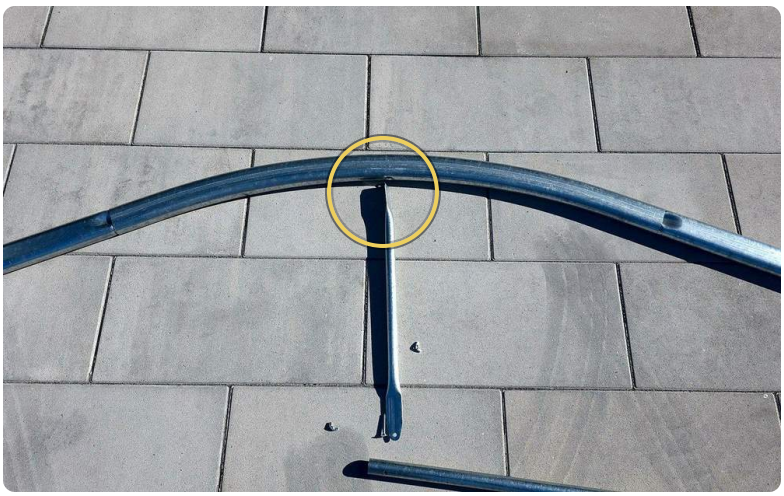
1. Fit the narrow end of each corner SA into a wide end of the centre AC: that makes the round roof.
2. Door bar: the narrow end of BM into BF. At the joint, bolt the bottom of the T-bar BT with a wing nut W1.
3. Half-collar DC around the hole in corner SA, from the inside: B2 in the middle hole, B4 from the bottom up, door-bar end on it, wing nut W1.
4. The top of the T-bar goes under the centre AC, bolted in step 3. Tighten the wing nuts with the drill-driver. Repeat for the 7 arches.

03 Assemble the roof (on the ground)

The 7 arches standing on the ground, joined by 3 lines of spacers. The legs come in steps 4 and 7.

DONE





Top of the T-bar, under the centre **AC**

PARTS FOR THIS STEP

SR	Male spacer (5 ft)	**×15**
FS	Female spacer (5 ft)	**×3**

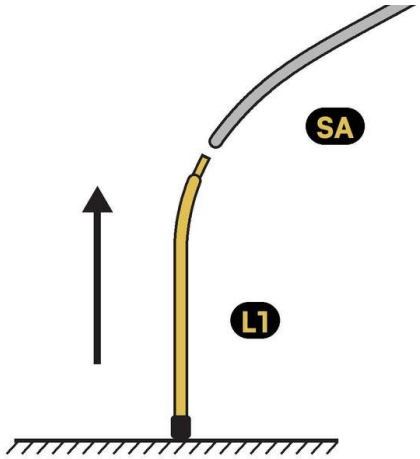
1. Start at the back: stand an end arch up on its corners, without the legs. One person holds it. Lift the next arch, 5 ft away.
2. Join them with 3 lines of spacers: ridge at the top of the T-bar; each side at the half-collar **DC** **B4** (take its wing nut off first).
3. At the ridge, under the centre **AC**: bolt, T-bar, then spacer, then wing nut **W1**.
4. Each line: 5 male spacers **SR**, narrow end toward the last section (the front), then 1 female **FS** there. Wing nuts **W1** facing in, tightened with the drill-driver.

WARNING
Hold the arches until all the spacers are bolted: until then, nothing keeps them standing.

04 Legs and diagonal braces — side 1

One side on its legs, with one diagonal brace at the front and one at the back.

DONE



Leg: wide end down, curve facing in

PARTS FOR THIS STEP

L1	Leg	×7
SR	Male spacer (5 ft)	×10
FS	Female spacer (5 ft)	×2
DIA	Diagonal brace	×2

Also: long 4 in bolts B4 and wing nuts W1.

1. With 2 or more people, lift one side. Legs L1 from the outside, narrow end up, curve facing in: the 2 ends, then the middle, then the others.
2. Every leg has holes: 2 spacer lines, at the foot and top of the legs (5 SR + 1 FS each, long bolts B4). Install them with the braces:
3. Diagonal brace DIA, front and back. At the bottom: at the foot of the 2nd leg, slide it onto the bolt B4 before the wing nut.
4. At the top of the end leg: bolt B4, spacer, then brace, then wing nut.

GOOD TO KNOW

Paver protectors (if you have them): put one at the bottom of each leg before inserting it. Tap the leg on the ground to push it in.

05 Put on the tarp

The tarp on the frame, well centred.

DONE

The 2nd side still on the ground

The logo

PARTS FOR THIS STEP

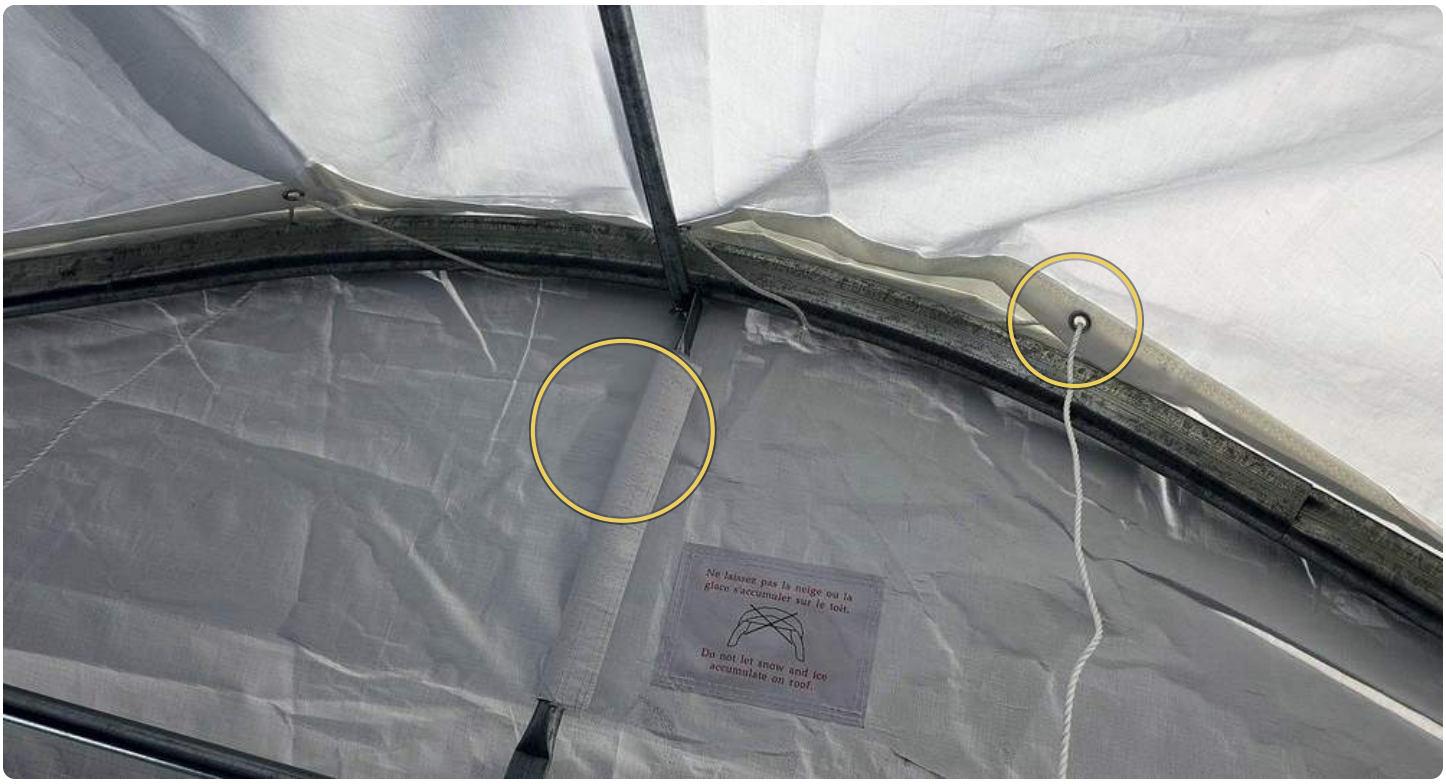
T	Tarp	×1

1. Unfold the tarp beside the shelter, doors facing out. The logo and the windows go at the front.
2. With 2 or more people, pull the tarp over, slowly: pulling hard can tear the corners.
3. Centre the tarp on the frame.

06 Tie the front and back

The tarp tied to the front and back arches, from inside.

DONE



Seen from inside: the velcro and the rope

PARTS

The rope **CO**.

1. From inside, first close the tarp's velcro straps around the T-bars **BT**.
2. Open the whole bundle of rope **CO** and cut it in 2: one half for the front, one for the back.
3. At the front and back arches: the middle of the rope at the top, then each end goes down one side: around the arch, through the grommet, etc.

KEY POINT No elastics hold the tarp to the arches: the rope does. Pull it tight.

07 Legs and diagonal braces — side 2

The whole frame on its legs. 4 diagonal braces in all.

DONE

Diagonal brace **DIA**: from the top of the leg to the foot of the next leg

PARTS FOR THIS STEP

L1	Leg	**×7**
SR	Male spacer (5 ft)	**×10**
FS	Female spacer (5 ft)	**×2**
DIA	Diagonal brace	**×2**

Also: long 4 in bolts **B4** and wing nuts **W1**.

1. From inside, lift the other side: the tarp follows. Here the legs **L1** go in from the inside, because of the tarp. Narrow end up, curve facing in.
2. Same order: the 2 ends, the middle, then the others.
3. As in step 4, install the foot and leg-top lines (5 **SR** + 1 **FS** each, long bolts **B4**) with the 2 braces **DIA** before the wing nuts.

08 Tighten and tie the tarp

A tight tarp that doesn't move.

DONE

The knot

PARTS

The rope CO.

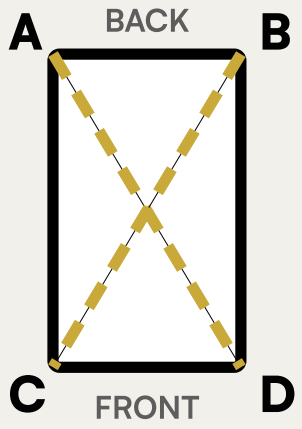
1. At the bottom, on both sides: run the rope through a grommet, around the foot spacer, through the next grommet, and so on.
2. Pull to tighten the tarp, then tie a knot at the foot spacer, at the bottom of a leg.

09 Position, square, check

The shelter in place, square, all wing nuts tight.

DONE

One side from inside: legs in line, a diagonal brace at each end



Seen from above

PARTS

No new parts. Tools: tape measure, drill-driver.

1. To move the shelter, with 2 or more people: hold it by a leg and by a spacer line, to carry the weight.
2. Measure the 2 diagonals in an X (A to D, then B to C). Equal: the shelter is square. If not, gently push one corner and measure again.
3. Check that all the wing nuts **W1** are tight, always facing in: they must not touch the tarp.

10 Install the doors

The front and back doors hung and closed.

DONE

Elastic tie AE

PARTS

Rings DH, S-hooks S and elastic ties AE.

1. Using the stepladder, hang the top of each door on the door bar: one ring DH in each grommet.
2. On the sides: an elastic tie AE through the grommet, an S-hook S on the loop, closed with pliers.
3. Hook the S-hook S onto the grommet strip of the shelter.

GOOD TO KNOW

To keep a door open: roll it up and tie it with its ties.

11 Anchor the shelter

A securely anchored shelter, ready for winter.

DONE

On pavers (photo: Simple model)

PARTS

Anchors U and anchor nails CU.

Anchor U and nail CU (photo: Simple model)

1. Place the anchors U over the foot spacer, on both sides. Fasten them depending on your ground:
2. Soil or grass: fasten each anchor with 2 nails CU.
3. Pavers or concrete: nails won't hold. Permanent anchor (sold separately), as in the photo.

WARNING

An unanchored shelter can blow away or collapse. Anchor it before you use it.

ALL DONE

Your shelter is ready.

A few simple habits to make it last.

Interactive guide

Every step of this guide, on your phone.

abriscrystal.com/en/guide/double-rond-18x30

Tips to make your shelter last

1. **Clear the snow often.** Don't let snow or ice build up on the roof or the sides.
2. **From the outside, gently.** Push the snow off with a broom or a snow pusher. Never use a pointed or sharp tool on the tarp.
3. **The round roof helps the snow slide off.** Still keep the bottom of the sides clear: that's where the snow piles up.
4. **A tight tarp lasts longer.** Re-tighten the rope and the wing nuts W1 after a few days, then after every big windstorm.
5. **Nothing rubs on the tarp.** Keep the wing nuts facing the inside of the shelter: rubbing wears out the tarp.
6. **In the spring.** Take it down in this order: anchors, rope, doors, tarp, then frame. Store the tarp clean and fully dry. Don't leave it up in summer: the sun wears it out.

Is your shelter up?

★ ★ ★ ★ ★

Leave us a Google review. It takes a minute and it helps us a lot.

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NEED HELP?

450-914-1444

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