

ABRIS CRYSTAL

INSTALLATION GUIDE

Single car shelter

9 × 20 ft

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

INTERACTIVE GUIDE

Scan to follow each step on your phone.

abriscrystal.com/en/guide/simple-9x20

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
- Wing-nut bit (not included)
- Wrench
- Pliers
- Tape measure
- Hammer
- 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.

Photos: an 11 × 16 shelter (5 arches). Your 9 × 20 is narrower and has 6: same steps, follow the quantities in the text.

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.
- Anti-wind straps (sold separately): **highly recommended.** On pavers, asphalt or concrete: **permanent anchor**.
- 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 4 standard arches
03 Assemble the 2 end arches
04 Assemble the roof on the ground
05 Legs and diagonal — side 1

TARP

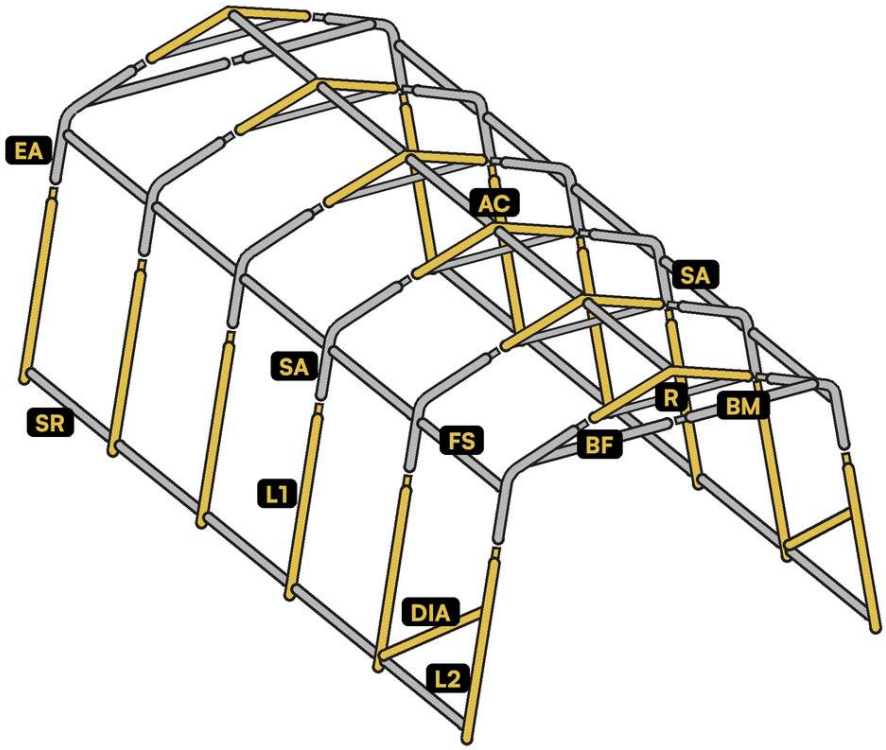
06 Put on the tarp
07 Legs and diagonal — side 2
08 Tighten and tie the tarp

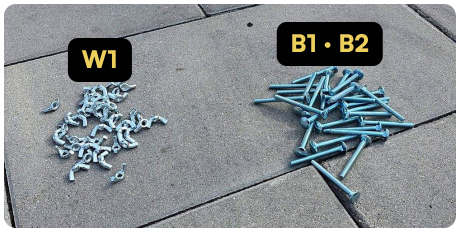
FINISHING

09 Position the shelter and square it
10 Install the doors
11 Anchor the shelter

Parts list · 9 × 20 ft

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





Wing nuts W1 · bolts B1 B2



Doors: ring DH, hook S, elastic tie AE



Anchor U and anchor nail CU

FRONT at bottom right: 2-hole legs L2, diagonal braces DIA, female spacers FS. Your 9 × 20 ft: **6 arches** (4 standard + 2 end) · each line of spacers = 4 SR + 1 FS.

ARCHES

☐	AC	Arch centre	6
☐	SA	Arch corner	8
☐	EA	2-hole arch corner	4
☐	R	Arch brace	6
☐	BF	Female door rail	2
☐	BM	Male door rail	2

ANCHORING

☐	U	Anchor	4
☐	CU	Anchor nail	8

LEGS AND SPACERS

☐	L1	Leg	10
☐	L2	2-hole leg	2
☐	DIA	Diagonal brace	2
☐	SR	Male spacer	20
☐	FS	Female spacer	5

HARDWARE

☐	B1	Short bolt 1 ¾ in	18
☐	B2	Long bolt 2 ½ in	30
☐	W1	Wing nut ¼ in	48

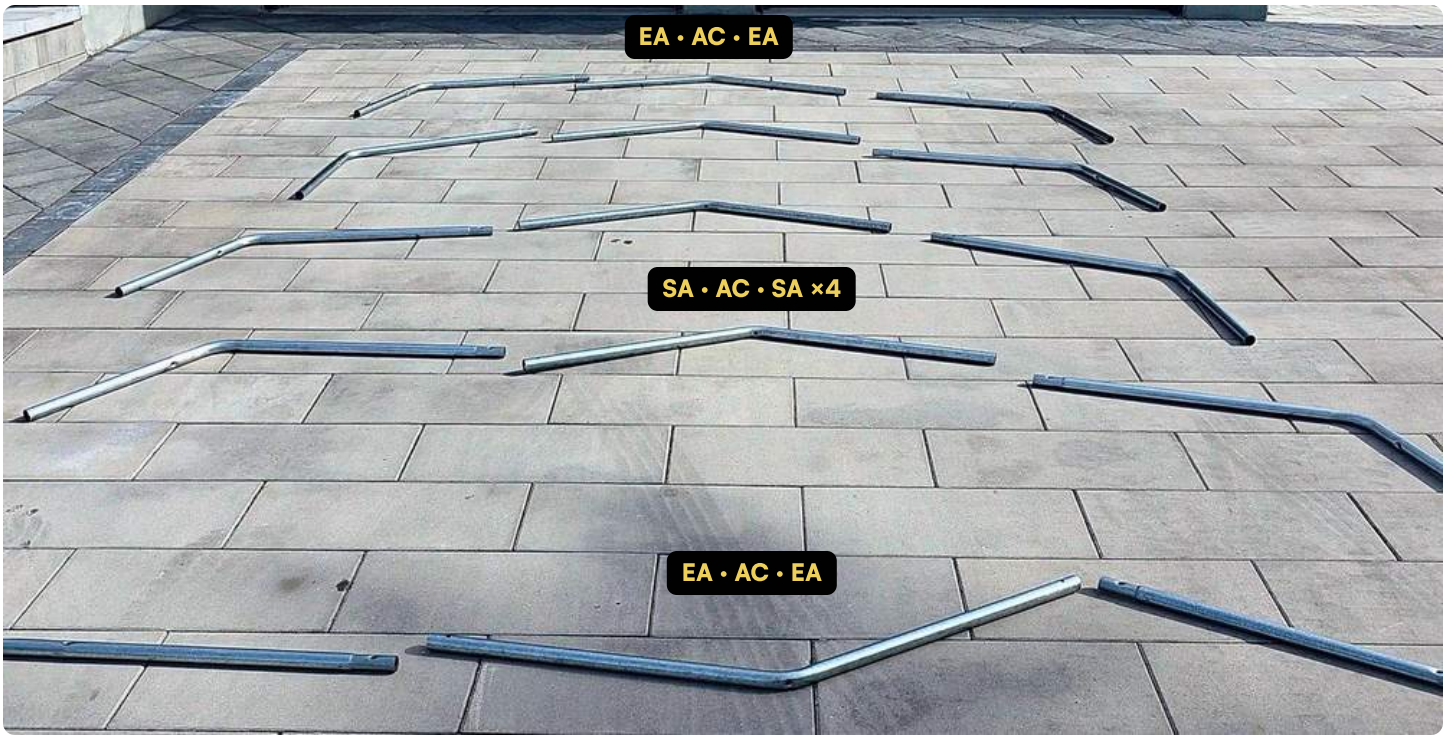
TARP AND DOORS

☐	T	Tarp	1
☐	—	Rope (with the tarp)	1
☐	PO	Door	2
☐	DH	Door rail ring	12
☐	S	S-hook	12
☐	AE	Elastic tie	12

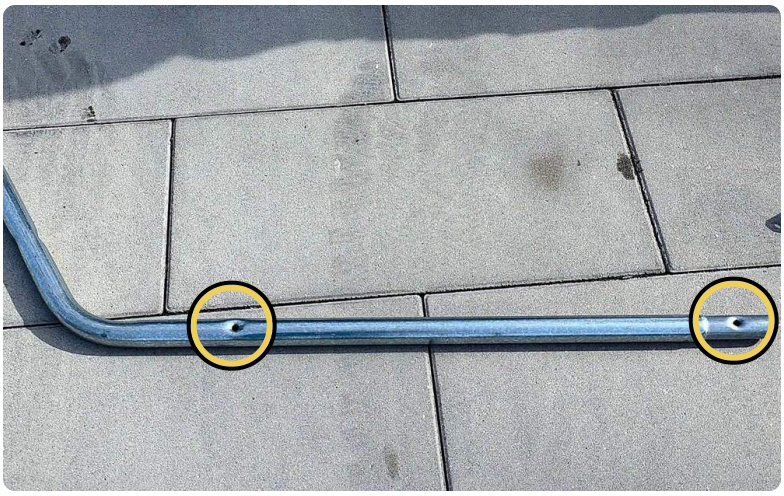
01 Prepare the parts

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

DONE



End arches at both ends, standard arches in the middle



2-hole corner EA

1. Open the box carefully: the tarp is often on top. Don't cut it.
2. Check off each part in the list on page 3. Sort the short bolts B1, long bolts B2 and wing nuts W1.
3. Lay out the parts of each arch on the ground: 6 arches in all.
4. Keep the four 2-hole corners EA for the 2 end arches (front and back).

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

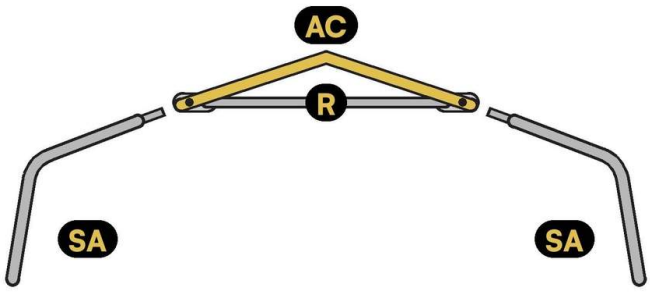
02 Assemble the 4 standard arches

4 complete arches, flat on the ground.

DONE



Corner—centre joint



Standard arch

PARTS FOR 1 ARCH

AC	Arch centre	×1
SA	Arch corner	×2
R	Arch brace	×1
B1	Short bolt 1 ¾ in	×2
W1	Wing nut ¼ in	×2

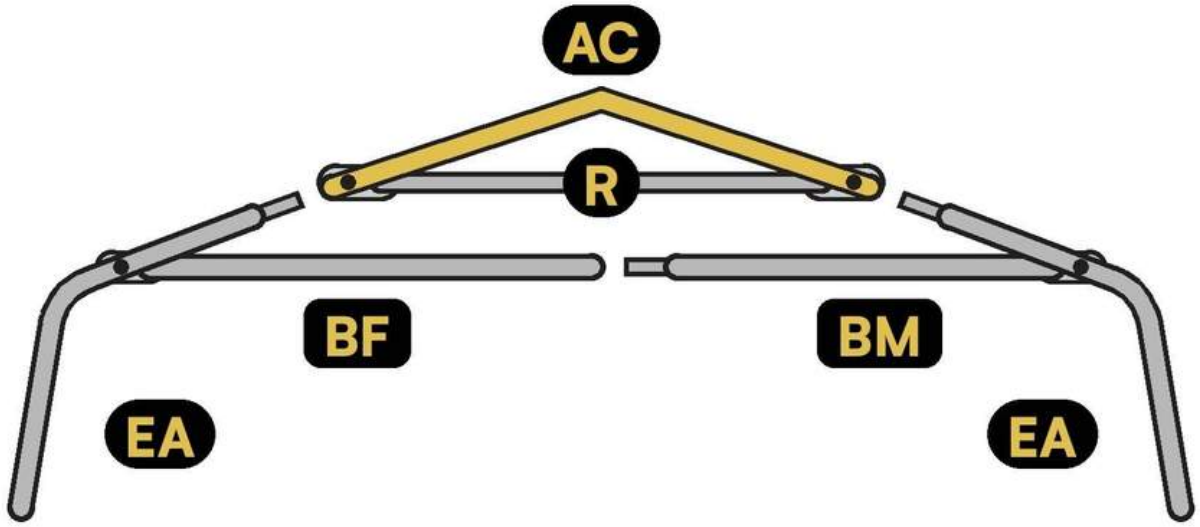
×4 Repeat for the 4 standard arches

1. Fit a corner SA on each side of a centre AC: the corner's narrow end into the centre's wide end.
2. Lay the brace R from joint to joint: its flat ends on the 2 joints.
3. At each joint: short bolt B1 + wing nut W1, facing the inside of the shelter, tightened with the drill-driver.
4. Make the 4 standard arches.

03 Assemble the 2 end arches

The front and back arches, with their door rail.

DONE



End arch



Rail fastened to the corner EA

PARTS FOR 1 END ARCH

AC	Arch centre	×1
EA	2-hole arch corner	×2
R	Arch brace	×1
BF	Female door rail	×1
BM	Male door rail	×1
B1	Short bolt 1 ¾ in	×4
W1	Wing nut ¼ in	×4

×2 Repeat for the front and back arches

1. Build each arch as in step 2, with the 2-hole corners EA.
2. Fit the narrow end of the male rail BM into the female rail BF.
3. Fasten the rail to the 2 corners EA: B1 + W1 on each side.

KEY POINT Wing nuts always face the inside of the shelter: they must not rub against the tarp.

04 Assemble the roof on the ground

The 6 arches standing on the ground, joined by 3 lines of spacers. The legs come in step 5.

DONE





Spacer bolted to the arch

PARTS FOR THIS STEP

SR	Male spacer	×12
FS	Female spacer	×3
B2	Long bolt 2 ½ in	×18
W1	Wing nut ¼ in	×18

1. The front = the side where the car drives in. The front parts (FS, L2, DIA) go on that side.
2. Stand the arches up in a row: end arch, 4 standard arches, end arch.
3. Join them with 3 lines of spacers (the ridge and both sides of the roof): 4 male SR, then 1 female FS at the front.
4. Each joint: long bolt B2 + wing nut W1, facing in.

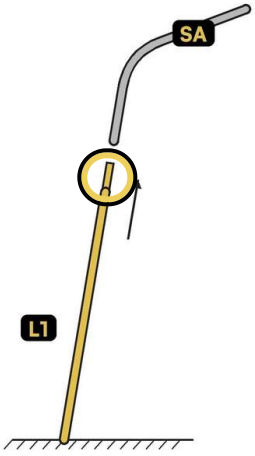
05 Legs and diagonal — side 1

One side of the shelter on its legs, with its diagonal brace at the front.

DONE



Start with either side.



The leg's narrow (male) end goes into the corner **SA**

PARTS FOR THIS STEP

L1	×5	Leg
L2	×1	2-hole leg
DIA	×1	Diagonal brace
SR	×4	Male spacer
FS	×1	Female spacer
B1	×1	Short bolt 1 ¾ in
B2	×6	Long bolt 2 ½ in
W1	×7	Wing nut ¼ in

1. With 2 people, lift one side of the roof. The other stays on the ground.
2. Legs: narrow end up, into the corner. Corners first (at the front: **L2**), then the 2 middle ones, then the others **L1**.
3. Join the feet of the legs: 4 **SR** + 1 **FS** at the front, with **B2** + **W1**. At the leg next to **L2**: no wing nut yet.
4. Diagonal brace **DIA**: top in the upper hole of **L2** (**B1** + **W1**). Bottom on the **B2** of the next leg, then its wing nut **W1**.

GOOD TO KNOW

If you have paver protectors: one at the bottom of each leg. Tap gently: the rubber can crack.

06 Put on the tarp

The tarp on the frame, laced with the rope.

DONE





Rope through the grommets

PARTS FOR THIS STEP

T	Tarp	×1
—	Rope	×1

1. The logo and the windows go at the front.
2. Unroll the tarp over the frame, from the side still on the ground. Tarp corners on the roof corners.
3. Cut 2 pieces of rope, each a bit longer than the arch, foot to foot: one per end arch. Keep the rest for the bottom (step 8).
4. Front arch: rope's middle in the top centre grommet, around the tube. Each half goes down one side: every grommet, around the tube. Same at the back.

07 Legs and diagonal — side 2

The whole frame on its legs. 2 diagonal braces in all, both at the front.

☐ DONE





Foot spacer

PARTS FOR THIS STEP

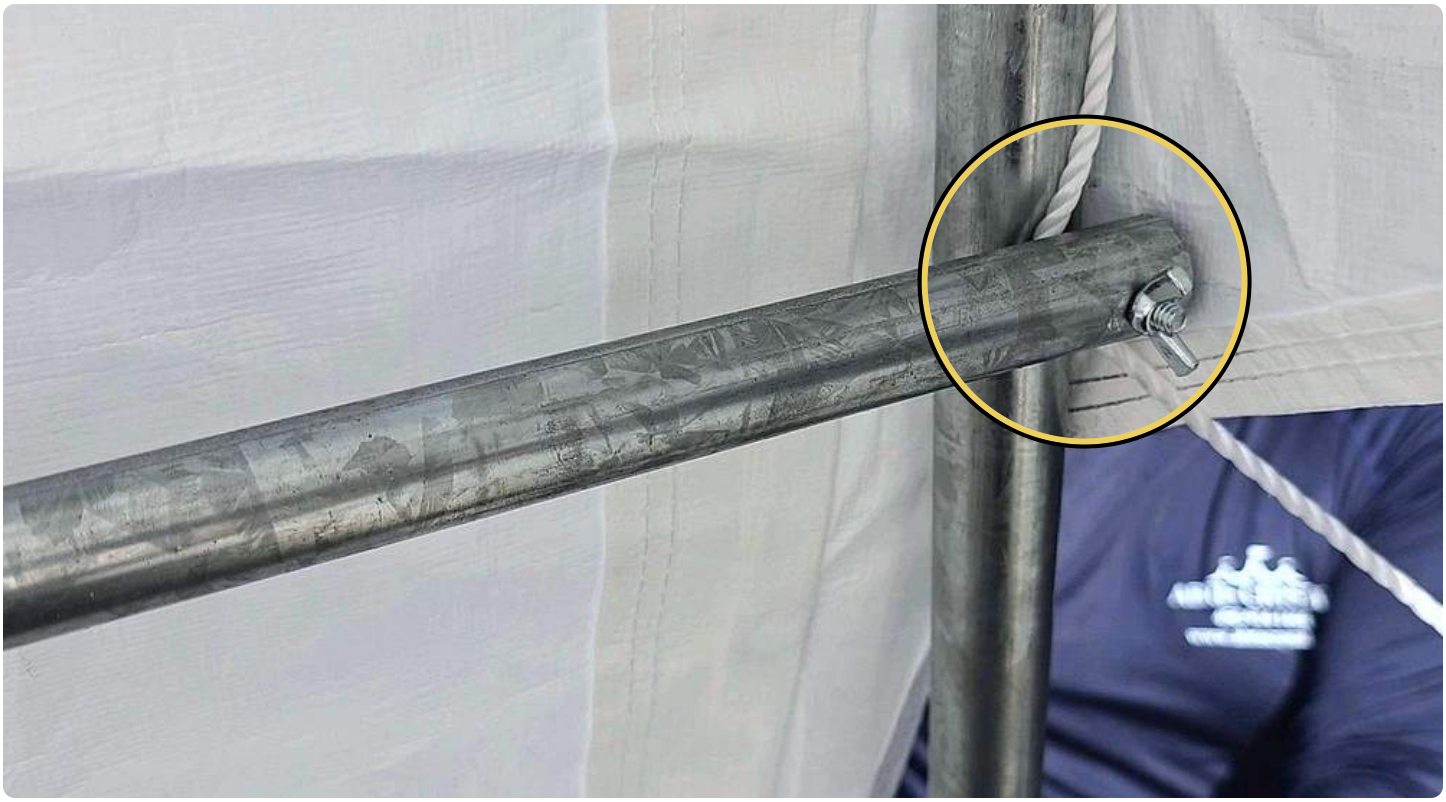
L1	×5	Leg
L2	×1	2-hole leg
DIA	×1	Diagonal brace
SR	×4	Male spacer
FS	×1	Female spacer
B1	×1	Short bolt 1 ¾ in
B2	×6	Long bolt 2 ½ in
W1	×7	Wing nut ¼ in

1. With 2 people, lift the other side: the tarp comes with it.
2. Legs as in step 5: narrow end up. The corners, the middle, then the others.
3. Foot spacers (4 SR + 1 FS), then the diagonal brace DIA at the front, as in step 5.

08 Tighten and tie the tarp

A tight tarp that doesn't move.

DONE



Rope locked



Laced at the bottom, grommet by grommet

PARTS

No new parts.

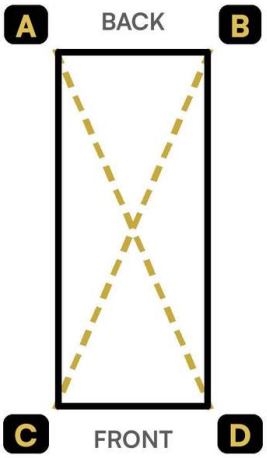
1. Pull the rope at each grommet: the tarp must be tight.
2. At the arch corner: loosen the wing nut, pass the rope between the corner and the spacer, retighten.
3. Inside: tie the cords around each arch, protective strip between the tarp and the tube.
4. At the bottom, on both sides: lace the rest of the rope through each bottom grommet and around the foot spacer. Tie off the end.

09 Position the shelter and square it

The shelter in place and square.

DONE





Seen from above

PARTS

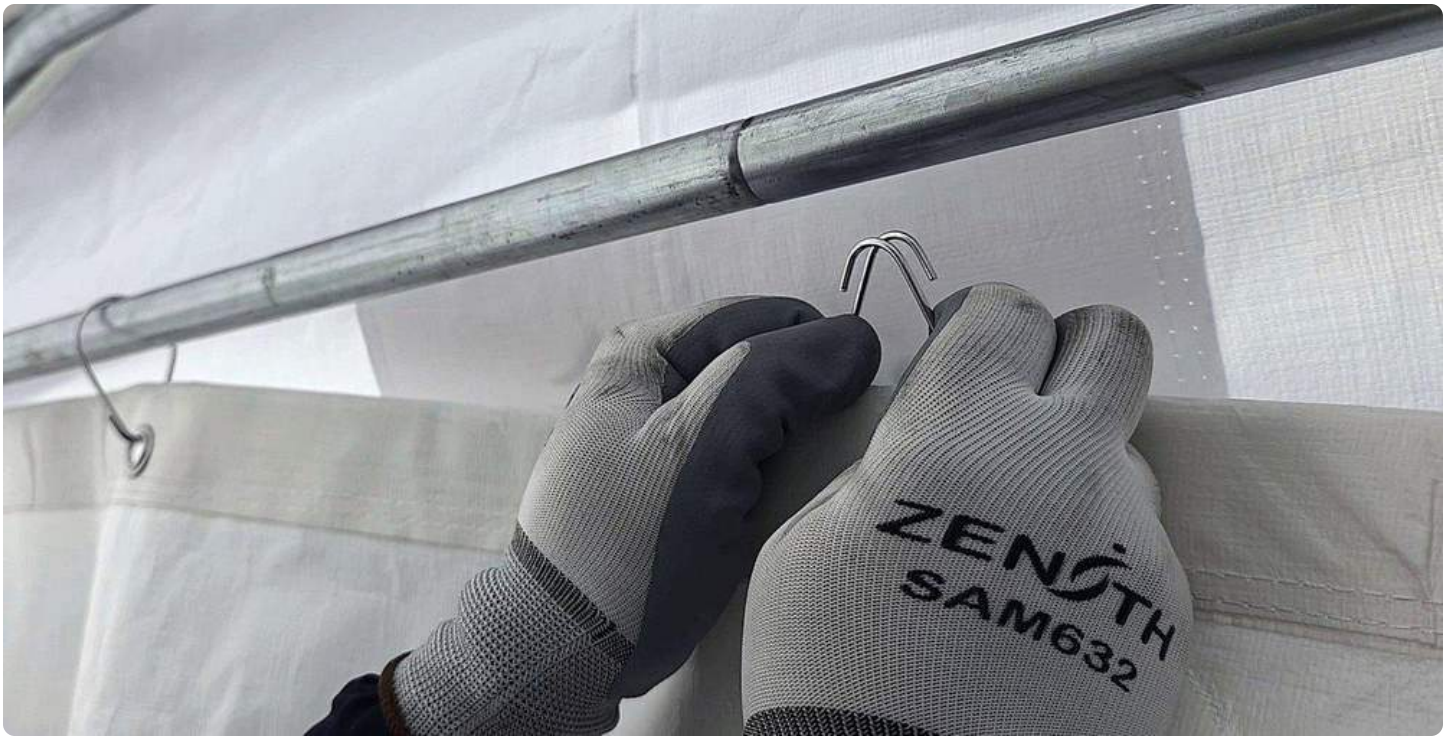
No new parts. Tools: tape measure, wrench or drill-driver.

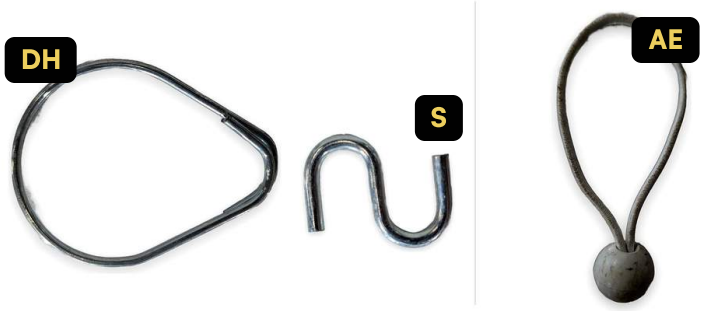
1. With 2 people, set the shelter in place, for example in front of the garage door.
2. Measure both diagonals of the X (A to D, then B to C). Equal: it's square. If not, gently push one corner without loosening anything, then measure again.
3. Check all the wing nuts: each one must be tight.

10 Install the doors

The front and back doors hung and closed.

DONE





PARTS FOR THIS STEP

PO	Door	×2
DH	Door rail ring	×12
S	S-hook	×12
AE	Elastic tie	×12

DH S AE: 6 of each per door.

Ring DH · hook S · elastic tie AE

1. Shiny side out. Hook the rings DH into the grommets at the top of the door, then onto the door rail.
2. An elastic tie AE in each grommet along the edge: the ball stays outside.
3. S-hook S in the loop of the elastic, closed with pliers, then hooked to the grommet strip of the shelter.

GOOD TO KNOW

To keep the door open: roll it up and tie it.

11 Anchor the shelter

A securely anchored shelter, ready for winter.

DONE



On pavers: permanent anchor



PARTS FOR THIS STEP

U	Anchor	×4
CU	Anchor nail	×8

In the box: 4 anchors U + 8 anchor nails CU

1. Place the 4 anchors U over the foot spacer: one near each corner. Fasten them depending on your ground:
2. Soil or grass: 2 nails CU per anchor (included).
3. Pavers, asphalt or concrete: nails won't hold: permanent anchor, as in the photo (sold separately).

WARNING

An unanchored shelter can blow away or collapse. Anchor it before you use it. Anti-wind straps (sold separately): not required, but highly recommended.

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/simple-9x20

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. **Both sides, in turn.** Clear one side, then the other, alternating. Never just one side.
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 reverse order: doors, tarp, then frame. Store the tarp clean and fully dry, and the hardware in a labelled bag.

Is your shelter up?

★ ★ ★ ★ ★

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

ABRIS CRYSTAL

NEED HELP?

450-914-1444

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