




ABRIS CRYSTAL
INSTALLATION GUIDE

Single-slope double car shelter

18 × 32 ft

11 steps

2+ people

Frame • tarp • doors • anchoring



INTERACTIVE GUIDE

Scan to follow each step on your phone.

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

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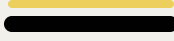
abriscrystal.com/en/guide/monopente-double-18x32

Before you start

2+

PEOPLE MINIMUM

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



FLAT GROUND

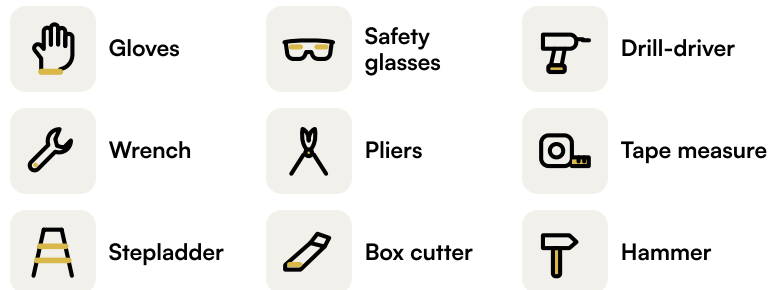
Assemble the shelter on flat, clear ground, close to where it will stand.

11

STEPS

Follow them in order. Each step lists its parts.

TOOLS



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 × 16: 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 9 arches
- 03 Assemble the roof (on the ground)
- 04 Low side: legs and diagonal braces

TARP

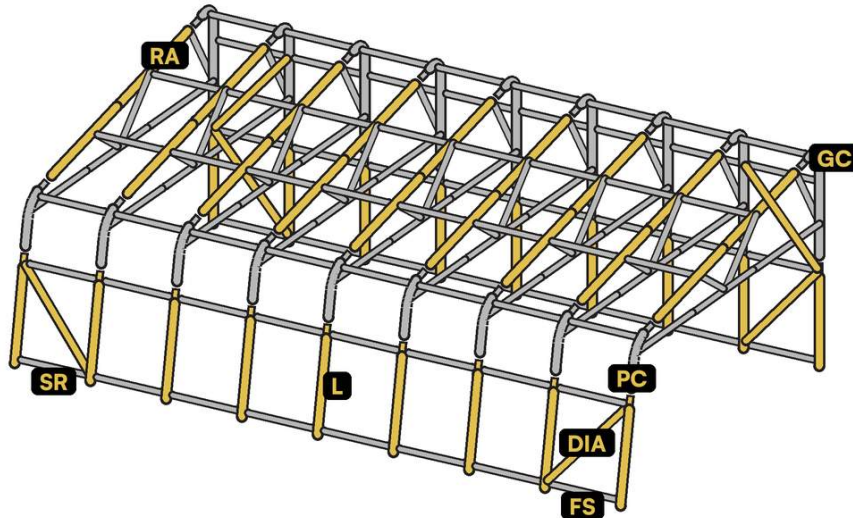
- 05 Put on the tarp
- 06 Tie the tarp, rope at the ends
- 07 High side: legs and diagonal braces
- 08 Tighten and tie the tarp

FINISHING

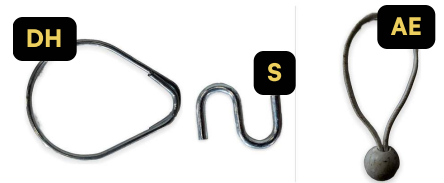
- 09 Position, square, check
- 10 Install the doors
- 11 Anchor the shelter

Parts list • 18 × 32 ft

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



Hardware: bolts and wing nuts **W1**



Doors: **DH**, **S**, **AE** (photo: single shelter)

FRONT on the right. In the drawing: low side nearest you, high side at the back. All arches the same: big corner **GC**, 2 extensions **RA** linked by a joint **JT**, small corner **PC**, door bar in 3 pieces, 3 braces **RG** **RM** **RP**. 9 lines of spacers: 5 with the roof (4 on the slope, 1 on the big corners), then 2 on each side. Diagonal braces **DIA** at each end: 1 on the low side, 2 on the high side.

ARCHES

☐	GC	Big corner	9
☐	RA	Arch extension	18
☐	JT	Extension joint	9
☐	PC	Small corner	9
☐	BF	Female door bar	
☐	BM	Male door bar	
☐	RG	Large brace	9
☐	RM	Medium brace	9
☐	RP	Small brace	9

LEGS AND SPACERS

☐	L	Leg	18
☐	DIA	Diagonal brace	6
☐	SR	Male spacer	63
☐	FS	Female spacer	9

TARP AND DOORS

☐	T	Tarp	1
☐	CO	Rope	1
☐	PO	Door panel	4

ANCHORING

☐	U	Anchor	
☐	CU	Anchor nail	

DOORS: HARDWARE

☐	DH	Door ring	20
☐	S	S-hook	20
☐	AE	Elastic tie	20

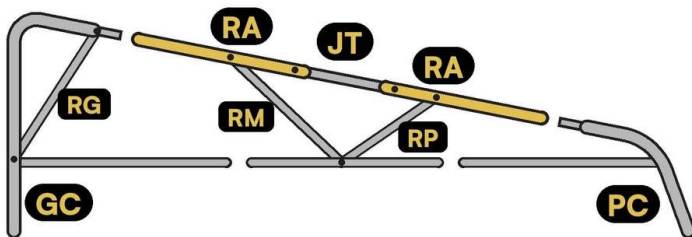
HARDWARE

☐	B4	Bolt 4 in	81
☐	B2	Bolt 2 ½ in	
☐	B1	Bolt 1 ¾ in	
☐	W1	Wing nut ¼ in	

01

Prepare the parts

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



Parts spread out: the joint **JT** goes into both extensions **RA**

- 1 Open the boxes carefully: don't cut the tarp. Leave it folded until step 5.
- 2 Take out the parts and check them off in the list on page 3. Sort the bolts and the wing nuts **W1**.
- 3 Lay out the parts of each arch together: big corner **GC**, 2 extensions **RA**, joint **JT**, small corner **PC**, door bar (3 pieces), 3 braces.
- 4 Don't mix up the extensions **RA** (they go in the roof) and the legs **L** (they go at the bottom).

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

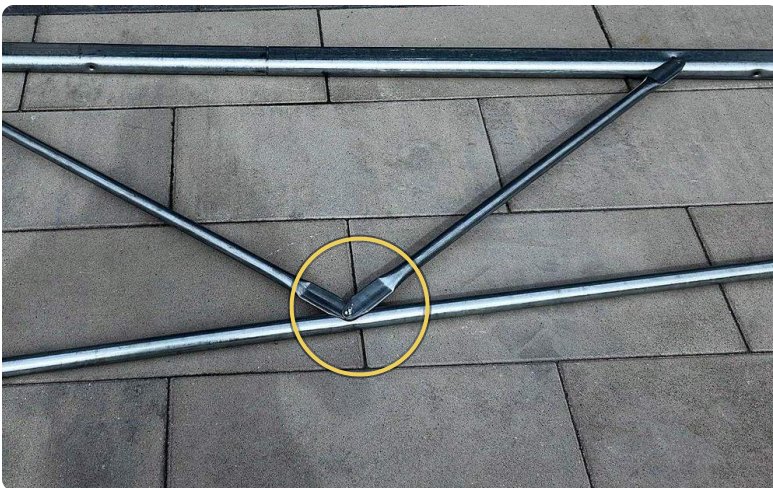
02

Assemble the 9 arches

9 complete arches, on the ground. They are all the same.



Big corner on the left, small corner on the right



The V meets on the door bar

PARTS FOR 1 ARCH

GC	Big corner	x1
RA	Arch extension	x2
JT	Extension joint	x1
PC	Small corner	x1
RG	Large brace	x1
RM	Medium brace	x1
RP	Small brace	x1

Also: the door bar (3 pieces), 2 ½ in bolts **B2** and wing nuts **W1**.

x9 Repeat for the 9 arches

- 1 Roof: the joint **JT** links the 2 extensions **RA**, bolted on each side (bolt + **W1**). Corners **GC** and **PC**: their narrow end goes into the extension.
- 2 Door bar (3 pieces) across: each narrow end into a wide end, holes lined up. Bolt its 2 outer ends to the corners: bolt + wing nut **W1**.
- 3 Braces: the large one **RG** near the big corner. The medium **RM** and the small **RP** in a V in the middle, **RP** on the small-corner side.
- 4 Braces bolted: **B2** + **W1**. Tighten with the drill-driver as you go. Repeat for the 9 arches.

03

Assemble the roof (on the ground)

The 9 arches standing on the ground, joined by 5 lines of spacers. The legs come in steps 4 and 7.



PARTS FOR THIS STEP

SR Male spacer **x35**

FS Female spacer **x5**

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

Spacer bolted to the arch

- 1 Stand the back arch up on its corners, without the legs. One person holds it.
- 2 Lift the next arch. Middle top line first, then 3 more on the roof and 1 on the big corners. Each line: 7 **SR** + 1 **FS**.
- 3 Each joint: 4 in bolt **B4** + wing nut **W1**, facing in. Male spacers narrow end toward the front: the last section takes the female spacers **FS**.



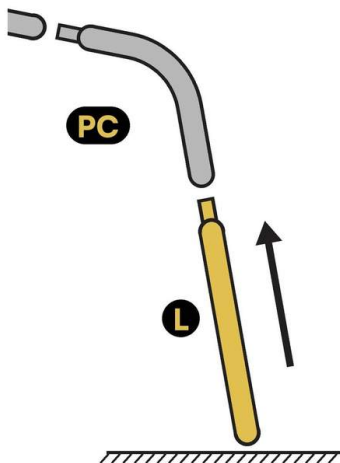
WARNING

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

04

Low side: legs and diagonal braces

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



PARTS FOR THIS STEP

L	Leg	×9
DIA	Diagonal brace	×2
SR	Male spacer	×14
FS	Female spacer	×2

Also: 4 in bolts **B4** and 1 ¾ in bolts **B1**, wing nuts **W1**.

Leg: wide end down

- With 2 or more people, lift the low side (small corners).
- Legs **L**: narrow end up, into the corner. First at the front and the back, then the middle, then the others.
- Install 2 lines: at the foot and at the top of the legs. Each line: 7 **SR** + 1 **FS**, **B4** + **W1** at each leg.
- Diagonal braces **DIA**: one at the front, one at the back, placed as in the photo.

GOOD TO KNOW

If you have paver protectors: drive one into the bottom of each leg with the hammer.

05

Put on the tarp

The tarp on the frame, well placed.



PARTS FOR THIS STEP

T Tarp

x1

Result: the roof covered, the sides still loose

- 1 Unfold the tarp beside the shelter. Find its big corners: they go on the high side. The logo goes at the front.
- 2 With 2 or more people, pull the tarp gently over the frame, starting from the side still on the ground: never jerk it, it can tear.
- 3 Line up the corners of the tarp with the corners of the shelter.

06

Tie the tarp, rope at the ends

The tarp tied to the arches and the lacing at the ends started, from inside.



PARTS FOR THIS STEP

CO Rope

x1

Result: one tie knotted

- 1 From inside, tie the tarp's ties around the arches: at this height, no stepladder needed.
- 2 At the front and back arches, start the lacing: the rope **CO** through the grommet, around the arch, through the next grommet, and so on.
- 3 You will finish the lacing in step 8, with the stepladder.

07 High side: legs and diagonal braces

The whole frame on its legs. On the high side: 2 diagonal braces at the front, 2 at the back.



PARTS FOR THIS STEP

L	Leg	×9
DIA	Diagonal brace	×4
SR	Male spacer	×14
FS	Female spacer	×2

Also: 4 in bolts **B4** and 1 ¾ in bolts **B1**, wing nuts **W1**.

End of the high side

- From inside, lift the high side (big corners): the tarp comes with it.
- Legs **L**, narrow end up: at the front corner, the back corner, the middle, then the others.
- Install the foot line and the leg-top line (7 **SR** + 1 **FS** each), as in step 4.
- Doubled diagonal braces at each end: one above the leg-top line, one below.

KEY POINT The 2 diagonal braces stiffen the high side.

08 Tighten and tie the tarp

A tight tarp that doesn't move.



Result: the rope zigzags at the foot



Top corner: the rope locked under the spacer

PARTS

No new parts: the rest of the rope **CO**.

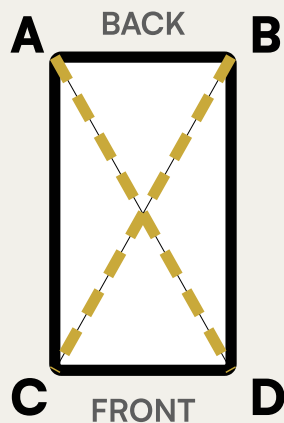
- 1 Using the stepladder, finish the lacing at the front and back arches.
- 2 In the top corners: loosen the spacer's wing nut, run the rope under the spacer, then tighten it again with the drill-driver: the rope stays locked.
- 3 At the bottom, on both sides: thread the rope through the grommet, around the foot spacer, through the next grommet, and so on.
- 4 With 2 people, start one at each end and meet in the middle. Then go back over it from the start to tighten, and tie the end securely.

09 Position, square, check

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



Inside view: the arches lined up from end to end



Seen from above

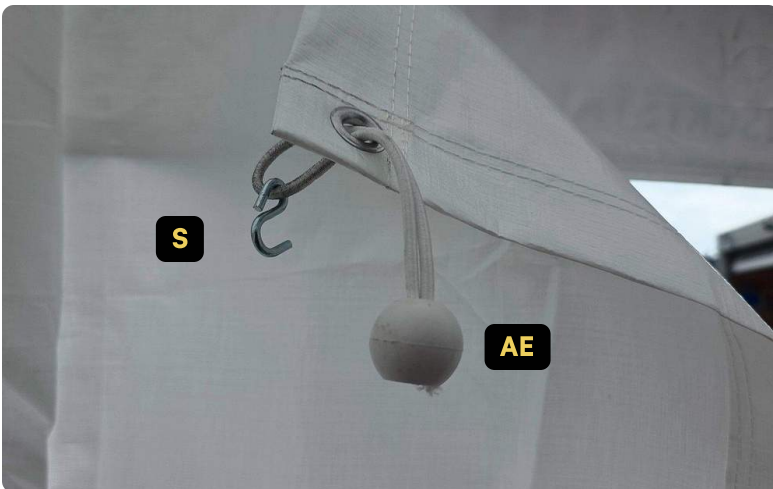
PARTS

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

- 1 With 2 or more people, move the shelter where you want it.
- 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 every wing nut **W1** is tight and faces in: they must not touch the tarp.

10 Install the doors

The front and back doors hung and closed.



PARTS

Door panels **PO**, rings **DH**, S-hooks **S** and elastic ties **AE**.

On the side

- 1 Using the stepladder, hang the top of each panel on the door bar: one ring **DH** in each top grommet.
- 2 In the middle, the 2 panels meet.
- 3 On the sides: an elastic tie **AE** through the grommet, an S-hook **S** on the loop, closed with pliers.
- 4 Close the doors from inside the shelter.

11

Anchor the shelter

A securely anchored shelter, ready for winter.



On pavers (photo: single shelter)

PARTS

In the box: anchors **U** and anchor nails **CU**.



CU



Anchor **U** and nail **CU** (photo: single shelter)

- 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 the nails **CU**.
- 3 Pavers or concrete: nails won't hold. Permanent anchor (sold separately).



WARNING

An unanchored shelter can blow away or collapse. Anchor it before you use it. Guy wires strongly recommended (sold separately).

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/
monopente-double-18x32](https://abriscrystal.com/en/guide/monopente-double-18x32)

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 **On the side where the snow falls.** Keep the low side clear: that's where the snow from the roof 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 the reverse order of the build, from step 11 back to step 1. 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.