Product Overview

34.5-foot stainless-steel telescopic vertical system for 2-40 meters that collapses to about 29 inches.

Use our Make an Offer Program and Click this button if you can’t afford full price.

Make An Offer (Without Options)

Key Specifications

Specification	Details
Coverage	2-40M with radials
PEP rating	1000W
Material	stainless steel
Extended	~34.5 ft
Collapsed	~29 in
Antenna element weight	~2.3 lb
Base diameter	~1 in

Best For

- POTA, SOTA, EmComm, DXpeditions and portable deployments
- Operators wanting a full-size telescoping resonant vertical

What’s Included

- 34 ft 6 in telescopic element
- 4 x 35 ft radial kit
- Guying kit
- SS34+ mount with SO-239
- Zippered gear bag

Setup and Tuning

Tune by extending/retracting the whip for resonance. Guying is required on 30/40M and may be needed on other bands based on wind.

Videos

> “This antenna is a 40-meter band POWERHOUSE” KB9VBR

Deployment Video

WARNINGS

Electrical precautions should always be taken when deploying antennas

The SS34+ Vertical VHF HF Antenna should only be used with a sturdy mounting solution.

It is necessary to Guy this system with ropes and anchors to the included Guying Adapter when deployed for 30/40 meters or the element will bend and sway, or perhaps even break. Guying may also be required on other bands if wind conditions require it.

Tuning

Tune by extending or retracting the SS-34+ telescopic whip for resonance for use as an omnidirectional vertical on 40 through 2 meters when radials are installed on the ground side of a sturdy mounting solution.

1/4 Wave Vertical: For the approximate deployed element length in feet for a 1/4 vertical, divide 234 by frequency in MHz for deployment from 2-40M.

1/2 Wave Vertical: For 2.14 db more gain than a 1/4 wave vertical from 2-20 Meters, the approximate deployed element length in feet for the 1/2 vertical, divide 468 by frequency in MHz.

5/8 Wave Vertical: For 3 db more gain than a 1/4 wave vertical from 2-17M, the approximate deployed element length in feet for the 5/8 vertical, divide 585 by frequency in MHz.

SS34 Performance and Radiation Pattern Chart

3 Configurable Options

	Deployed Option	Bands	Gain
Performance	1/4 Wave Vertical	2-40 Meters	Gain 3 dB
	1/2 Wave Vertical	2-20 Meters	Gain 5.14 dB
	5/8 Wave Vertical	2-17 Meters	Gain 6 dB
Pattern	Omnidirectional		

Options and Compatible Accessories

Optional heavy-duty tripod, surveyor adapter, coax and anti-oxidant are offered.

Support Resources

- User Manuals: Alpha Antenna User Manuals hub.
- Videos: Related videos.
- Guidance / FAQs: Available HERE.
- Customer Reviews: Scroll to bottom of this page.

We Listen

We are dedicated to improving all of our systems. Specifications and descriptions are subject to change without notice.

4.8
★ ★ ★ ★ ★
★ ★ ★ ★ ★
Based on 17 reviews
5★
82
82%
4★
18

18%
3★
0%
2★
0%
1★
0%

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1. JC

Protected_User_961f938d
Verified owner
Featured Review
July 19, 2026

⚡ 11 Band 2-40M Portable Vertical Antenna

Verified review - view original

I purchased the SS-34+ Deluxe 11band vertical 2m – 40m $325:00 (on special offer at $295 when I purchased), direct from alpha antennas. Due to public holidays it took about 3 weeks to ship to MI.
Absolutely amazed at the construction quality of the antenna, simple to erect and only needs height adjustment for bands or to adjust centre of operation frequency (no coils or banana plugs), no atu required.
It is rated at 1KW and depending on band has a 3 – 6 db gain omnidirectional. Guy ropes, ground radials and carry bag included. Total cost in GBP was £240:00 delivered.
One antenna for portable use that covers all the bands that you will need. I've set it up in the garden to test and be objective, if you do any portable work this

is the antenna for you. The only small criticism I could find and it’s so small, insignificant really is if the carry bag was a little larger and possibly compartmentalised (even as an optional purchase extra).
This is a perfect antenna for portable work, period.
Alpha antenna followed up with a personal email to check how the purchase, shipping and overall satisfaction went. I have no hesitation in recommending Alpha Antennas.
Kind regards
James MI5AHG

2. MB

Protected_User_6c0fd910
Verified owner
October 18, 2026
★ ★ ★ ★ ★
★ ★ ★ ★ ★
⚡ 11 Band 2-40M Portable Vertical Antenna

Verified review - view original

Great product, I have only used on 20-40m. I would like the Counterpoise wires to plug in. My second Alpha antenna. Hope to get an Emcomm mag loop next to try out!

3. TQ

Protected_User_adce547d
Verified owner
May 11, 2026
★ ★ ★ ★ ★
★ ★ ★ ★ ★

⚡ 11 Band 2-40M Portable Vertical Antenna

Verified review - view original

4. R

Protected_User_f46f71a3
Verified owner
November 22, 2025

★★★★★
★★★★★

⚡ 11 Band 2-40M Portable Vertical Antenna

Verified review - view original

Great

5. KK

Protected_User_8e23ff44
Verified owner
November 16, 2025

★★★★★
★★★★★

⚡ 11 Band 2-40M Portable Vertical Antenna

Verified review - view original

Hi Steve and team, I have just got this from the USA to India. Haven’t field tested it yet but impressed with the build quality. will be doing so coming weekend. will keep you posted.

⚡ 11 Band 2-40M Portable Vertical Antenna

Show more reviews (12)