



Struts kits

For Yagi support

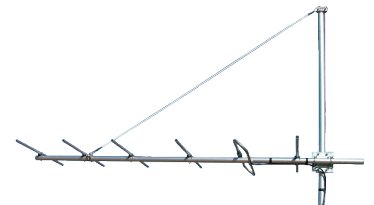
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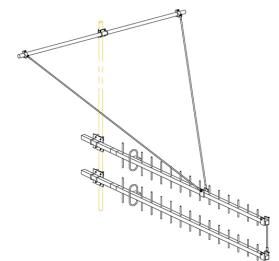
When planning the installation of a large Yagi antenna, the need for a strut kit to properly support the boom long term is a vital consideration. The main factors which determine the need for a Yagi strut kit are:

- Antenna boom length, weight and wall thickness
- Wind loading and side-to-side flutter of the boom (mostly alpine coastal regions)
- Weather conditions at the site, especially if snow is likely during the winter months
- Birds perching on the antenna boom

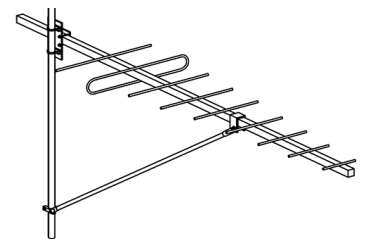
All of the large Yagi models Y100, Y200 and Y300 will most definitely require a support strut kit due to their size and weight. 15 Elements Yagi models such as the Y415, Y615TV and Y815 series should also be considered for a support strut kit, particularly the stainless steel models



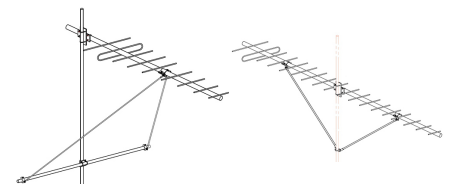
YS1-23 tension strut



YS2-48 tension & spacing strut



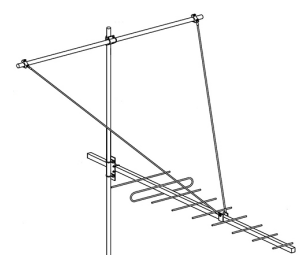
YS1 compression struts



YS2-23C

YS2-C28

2-way compression strut



YS2 2-way tension strut

Strut type

| | |
|-----------------------|--|
| Single strut kit | Suitable for situations requiring extra support for the length and weight of a Yagi boom. |
| Insulated strut kit | Suitable for situations where the Yagi must be insulated from the mounting structure whilst being supported |
| 2-way strut kit | Suitable for situations where extra stability against side-to-side wind flutter is required, this strut kit includes an aluminium support boom. In either tension or compression configurations. |
| Compression strut kit | Suitable for situations where sufficient mast space above the antenna is not available, this strut kit supports the Yagi boom from beneath. |

Strut terminology

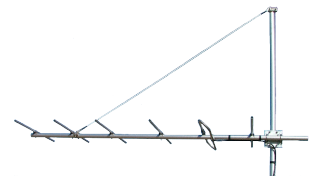
| | |
|-------------|---|
| Tension | Designed for mounting above antenna |
| Spacing | Designed for spacing/holding between antennas |
| Compression | Designed for mounting below the antenna |

More information and order code on the following page...

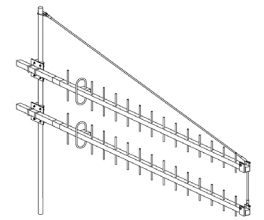
Struts

For Yagi support
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| Order code | Suitable Yagi's | Strut type | Strut clamps incl. | Antenna to tower clamp incl. |
|------------|-------------------------------------|---|--------------------|--|
| YS1-100 | Y100 series | Single tension | Yes | No - order separately to suit requirements |
| YS1-100H | Y100 Series | Heavy-duty single tension | Yes - SB-50-1 | |
| YS1-23 | Y200/Y300 series | Single tension | Yes | |
| YS1-23H | Y200/Y300 series | Heavy-duty single tension | Yes - SB-40-1 | |
| YS1-48 | Y415/Y615TV/ Y815/ Y815-20RL series | Single tension | Yes | |
| YS1-48-CP | Y4/Y6/Y8 cross pol. | | Yes | |
| YS1-48/SP1 | Custom struts for 2-stack arrays | 1 x tension strut 1 x spacing strut | Yes | |
| YS1-48-SP3 | Custom struts for 4-stack arrays | 1 x tension strut 3 x spacing struts | Yes | |



YS1-23 tension strut



YS1-48/SP1 tension strut

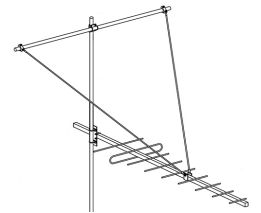
| Order code | Suitable Yagi's | Strut type | Strut clamp incl. | Antenna to tower clamp incl. |
|------------|------------------------|--------------------------|---------------------|--|
| YS1-INSUL | Custom insulated strut | Single insulated tension | No - order separate | No - order separately to suit requirements |

Struts kits

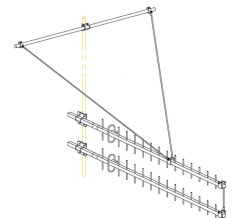
For Yagi support

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| Order code | Suitable Yagi's | Strut type | Boom & strut clamps incl. | Antenna to tower clamp incl. |
|------------|-----------------------------------|---------------------------------------|--|--|
| YS2-100 | Y100 series | 2-way tension | Yes - spread support boom + strut-to-Yagi and strut-to-tower | No order separately to suit requirements |
| YS2-23 | Y200/Y300 series | | | |
| YS2-23-SS | Y200SS/Y300SS series | | | |
| YS2-48 | Y415/Y615TV/Y815/Y815-20RL series | | | |
| YS2-48-SP1 | Y415/Y615TV/Y815/Y815-20RL arrays | 2 x tension struts 1 x spacing bar | | |

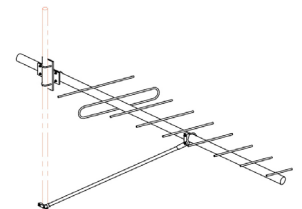


YS2-23 2-way tension strut

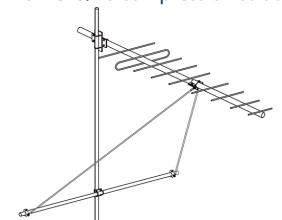


YS2-48-SP1 2-way tension strut with spacer

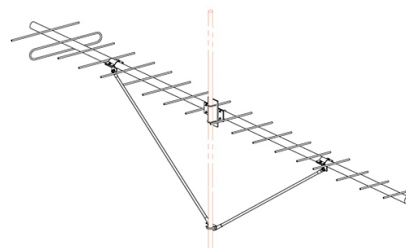
| Order code | Suitable Yagi's | Strut type | Strut clamp incl. | Antenna to tower clamp incl. |
|------------|----------------------|------------------------------------|---|--|
| YS1-C23 | Y200/Y300 series | Single compression | Yes For strut-to-Yagi & strut-to-tower | No order separately to suit requirements |
| YS1-C48 | Y4/Y6/Y8/Y8 series | Single compression | | |
| YS2-C28 | Y200/Y300 series | 2-way compression - front and back | | |
| YS2-23C | Y200/Y300 series | 2-way compression - front only | | |
| YS2-23C-SS | Y200SS/Y300SS series | 2-way compression - front only | | |
| YS2-C48 | Y4/Y6/Y8 series | 2-way compression - front only | | |
| YS2-C48-2 | Y4/Y6/Y8 series | 2-way compression - front and back | | |



YS1-C23/48 compression strut



YS2-23C & YS2-C48



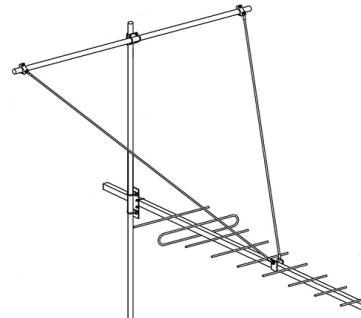
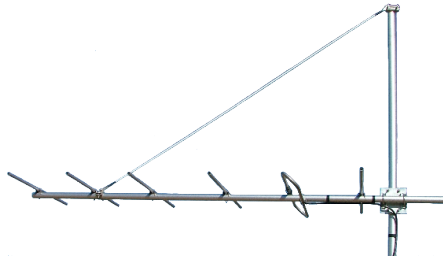
YS2-C28

YS2-C48-2

Struts kits

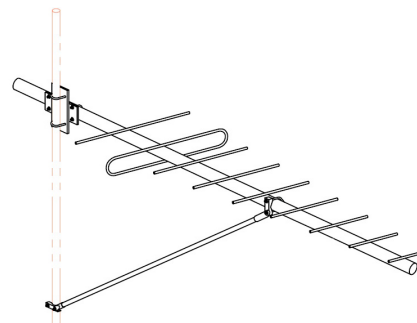
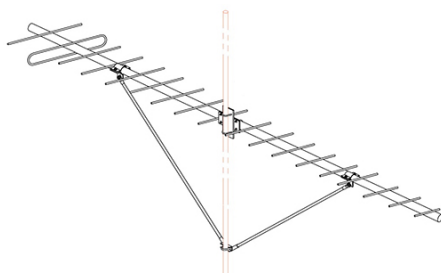
For Yagi support

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| Order code | Strut type | Length | Lug orientation | Mounting included |
|------------|----------------------------|--------|---------------------|--|
| SF1.5 | Tension - mount from above | 1.5m | no offset - aligned | No - order separate UV1-SS and/or - SB-40-1 (Y2/3) - SB-50-1 (Y1) - YB-25 (Y4/8) |
| SF2.5 | | 2.5m | | |
| SF4.5* | | 4.5m | | |
| SRF1.5 | | 1.5m | 90° lug offset | |
| SRF2.0 | | 2.5m | | |
| SRF4.5* | | 4.5m | | |

* SF4.5 and SRF4.5 are of 2-piece construction for reduced courier cost



| Order code | Strut type | Length | Lug orientation | Mounting included |
|------------|-----------------|--------|-----------------|--|
| SFC1.6 | 1 x compression | 1.6m | 90° offset | No - order separate UV1-SS and/or - SB-40-1 (Y2/3) - SB-50-1 (Y1) - YB-25 (Y4/8) |
| SRF2.0C | | 2.0m | | |
| SRFC1.6 | | 1.6m | | |
| SRFC1.8 | | 1.8m | | |