

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:

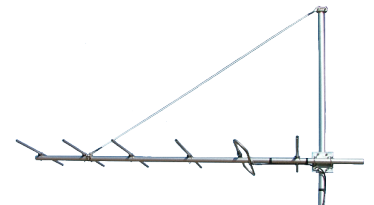
- Antenna boom length, weight and wall thickness
- Wind loading and side-to-side flutter of the boom (mostly alpine or coastal regions)
- Weather conditions at the site, especially if snow is likely during the winter months
- Birds perching on the antenna boom

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

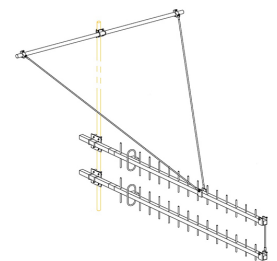
Strut type	
Single strut kit	Suitable for situations requiring extra support for the length and weight of a Yagi boom.
Insulated strut kit	Suitable for situations where the Yagi must be insulated from the mounting structure whilst being supported
2-way strut kit	Suitable for situations where extra stability 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

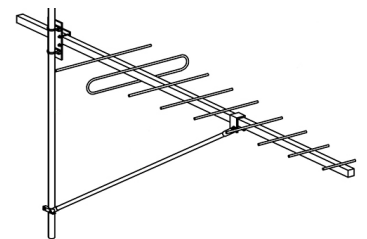
More information and order code on the following page...



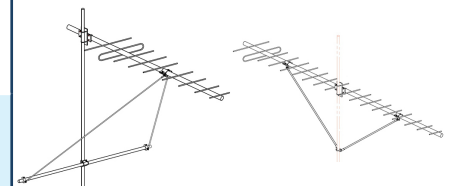
YS1-23 tension strut



YS2-48 tension & spacing strut



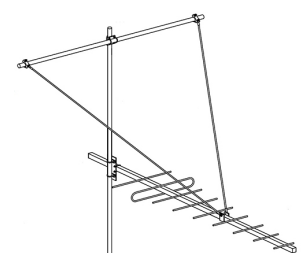
YS1 compression struts



YS2-23C

YS2-C28

2-way compression strut

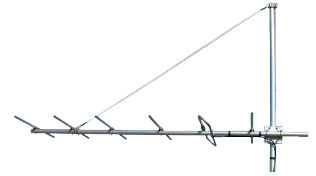


YS2 2-way tension strut

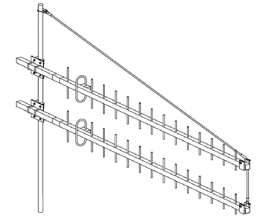
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Order code	Suitable Yagi's	Strut type	Clamps included
YS1-100	Y100 series	Single tension	Yes
YS1-100H	Y100 Series	Heavy-duty single tension	Yes - SB-50-1
YS1-23	Y200/Y300 series	Single tension	Yes
YS1-23H	Y200/Y300 series	Heavy-duty single tension	Yes - SB-40-1
YS1-48	Y415/Y615TV/Y815/Y815-20RL series	Single tension	Yes
YS1-48-CP	Y4/Y6/Y8 cross pol.	Single tension	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

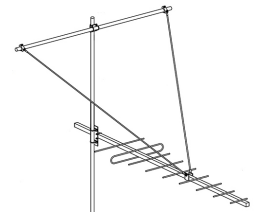


YS1-23 tension strut



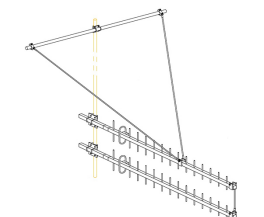
YS1-48/SP1 tension strut

Order code	Suitable Yagi's	Strut type	Clamps included
YS1-INSUL	Custom insulated strut	Single insulated tension	No - order separate



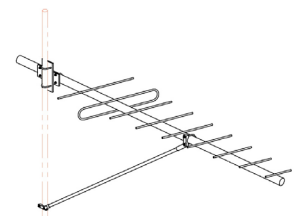
YS2-23 2-way tension strut

Order code	Suitable Yagi's	Strut type	Boom & clamps included
YS2-100	Y100 series	2-way tension	Yes
YS2-23	Y200/Y300 series	2-way tension	Yes
YS2-23-SS	Y200SS/Y300SS series	2-way tension	Yes
YS2-48	Y415/Y615TV/Y815/Y815-20RL series	2-way tension	Yes
YS2-48-SP1	Y415/Y615TV/Y815/Y815-20RL arrays	2 x tension struts 1 x spacing bar	Yes

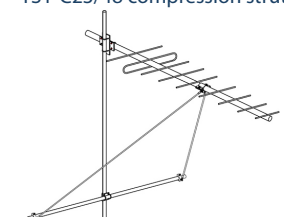


YS2-48-SP1 2-way tension strut with spacer

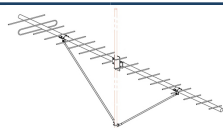
Order code	Suitable Yagi's	Strut type	Clamps included
YS1-C23	Y200/Y300 series	Single compression	Yes
YS1-C48	Y4/Y6/Y8/Y8 series	Single compression	Yes
YS2-C28	Y200/Y300 series	2-way compression - front and back	Yes
YS2-23C	Y200/Y300 series	2-way compression - front only	Yes
YS2-23C-SS	Y200SS/Y300SS series	2-way compression - front only	Yes
YS2-C48	Y4/Y6/Y8 series	2-way compression - front only	Yes
YS2-C48-2	Y4/Y6/Y8 series	2-way compression - front and back	Yes



YS1-C23/48 compression strut



YS2-23C & YS2-C48



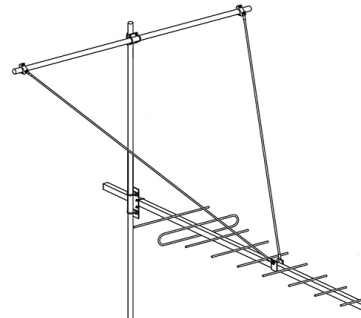
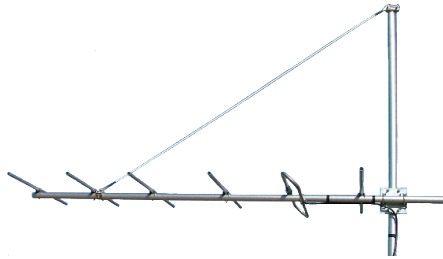
YS2-C28

YS2-C48-2

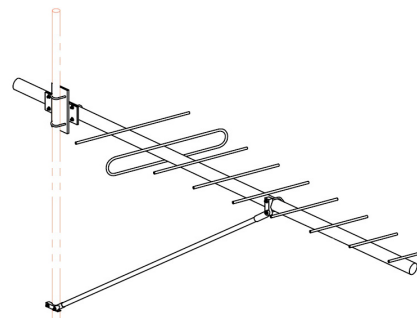
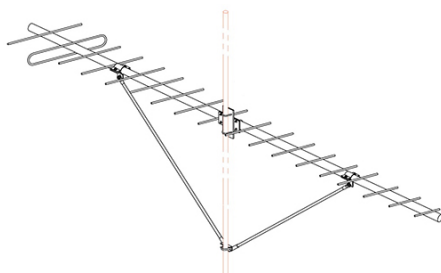
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Order Code	Strut Type	Length	Lug Orientation	Mounting included
SF0.5	Tension	0.5m	Straight	No - order separate UV1-SS and/or - SB-40-1 (Y2/3) - SB-50-1 (Y1) - YB-25 (Y4/8)
SF1.5	Tension	1.5m	Straight	
SF2.0	Tension	2.0m	Straight	
SF2.5	Tension	2.5m	Straight	
SF4.5	Tension	4.5m	Straight	
SRF1.5	Tension	1.5m	90° offset	
SRF2.0	Tension	2.0m	90° offset	
SRF2.0	Tension	2.5m	90° offset	



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	1 x compression	2.0m	90° offset	
SRFC1.6	1 x compression	1.6m	90° offset	
SRFC1.8	1 x compression	1.8m	90° offset	