

Struts

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 antenna 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.
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

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

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Order Code	Suitable Antennas	Strut Type	Clamps Included
YS1-100	Y100 Series	Single	Yes
YS1-23	Y200/Y300 Series	Single	Yes
YS1-48	Y415/Y615TV/Y815/ Y815-20RL Series	Single	Yes
YS1-48/SP1	Custom struts for 2-stack arrays	1 x holding strut 1 x spacing strut	Yes
YS1-48-SP3	Custom struts for 4-stack arrays	1 x holding strut 3 x spacing struts	Yes
YS1-85-SP1	Custom struts for 2-stack array	1 x holding strut 1 x spacing strut	Yes

Order Code	Suitable Antennas	Strut Type	Clamps Included
YS1-INSUL	Custom insulated strut	Single Insulated	No (order separately)

Order Code	Suitable Antennas	Strut Type	Boom & Clamps Included
YS2-100	Y100 Series	2-Way	Yes
YS2-23	Y200/Y300 Series	2-Way	Yes
YS2-48	Y415/Y615TV/Y815/ Y815-20RL Series	2-Way	Yes
YS2-48/SP1	Y415/Y615TV/Y815/ Y815-20RL Series	2 x holding struts 1 x spacing strut	Yes

Order Code	Suitable Antennas	Strut Type	Clamps Included
YS1-23	Y200/Y300 Series	Single Compression	Yes
YS1-C48	Y415/Y615TV/Y815/ Y815-20RL Series	Single Compression	Yes
YS2-C28	Y200/Y300 Series	2-Way Compression	Yes
YS2-C48	Y415/Y615TV/Y815/ Y815-20RL Series	2-Way Compression	Yes

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Order Code	Strut Type	Length	Lug Orientation
SF0.5	Tension	0.5m	Straight
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
SFC1.6	Compression	1.6m	90° offset
SRF2.0C	Compression	2.0m	90° offset
SRFC1.6	Compression	1.6m	90° offset
SRFC1.8	Compression	1.8m	90° offset