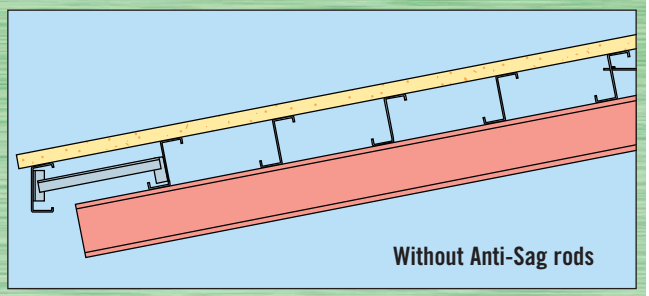
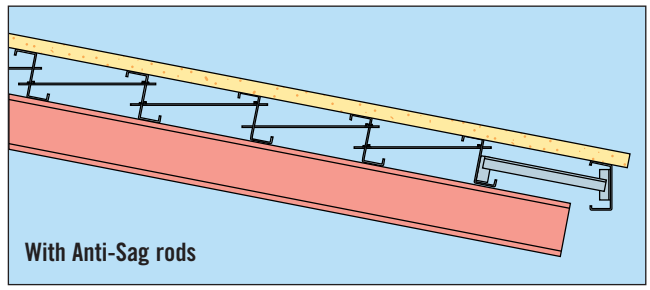
Anti-Sag Rods & Eaves Braces





Metsec Round lok anti-sag rods and lateral support angles are designed to restrain purlins against twist under wind uplift conditions and contribute support during sheeting.

Round lok anti-sag rods are used for 142, 172, 202, 232 and 262 series and 45 x 45 x 2mm thick lateral support angles for 302 and 342 series. On roof pitches over 25°, purlin spacings over 2.4m or heavy cladding applications,the lateral support angles must be used on all sections.

When no anti-sag rods are used, temporary spacer bars and propping may be required during the sheeting of the roof.

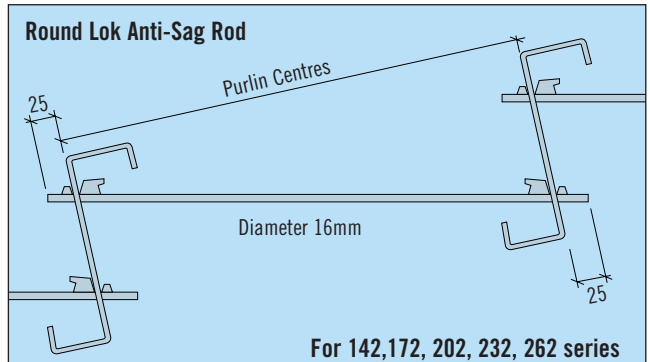
For roof pitches greater than 25° use the MetSPEC computer design program to determine section and bracing requirements.

Whenever round lok anti-sag rods are used the eaves brace should be included as indicated in the drawing and the rows made continuous over the apex.

The bolted apex strut detail is adopted when using non-restraining cladding, 302 and 342 series purlins or roof pitches over 25°.

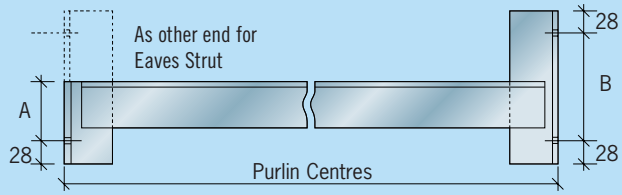
In all other cases where an anti-sag system is required, Metsec tubular sag rods and apex ties are used. All eaves braces are manufactured from 45 x 45 x 2.0mm galvanised angle.

Round Lok Anti-Sag Rod



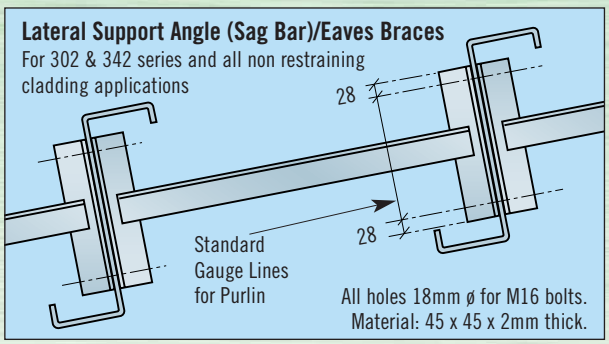
For 142,172, 202, 232, 262 series

Eaves Braces 142, 172, 202, 232 & 262 series as drawn
Eaves Strut as noted

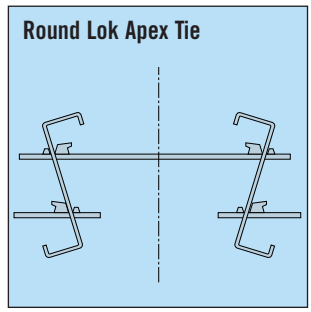


SECTION	142	172	202	232	262
A	28	43	58	73	88
B	56	86	116	146	176

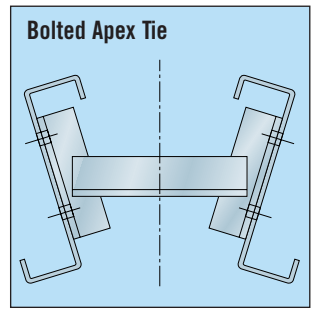
Lateral Support Angle (Sag Bar)/Eaves Braces
For 302 & 342 series and all non restraining cladding applications



Round Lok Apex Tie



Bolted Apex Tie



Wind up lift tables from P54 give the minimum Sag Rod requirements for the various systems.

However it is recommended that whatever the wind loading the maximum span without Anti-Sag rods should be as shown in the tables opposite.

Sleeve, Butt and End Bays Only for Heavy End Bay System

PURLIN REF	SPAN
142	6.1m
172	6.6m
202/232	7.2m
262	7.6m
302/342	8.1m

Inner Bays Only for Heavy End Bay System

PURLIN REF	SPAN
142	6.6m
172	7.2m
202/232	7.6m
262	8.1m
302/342	8.6m