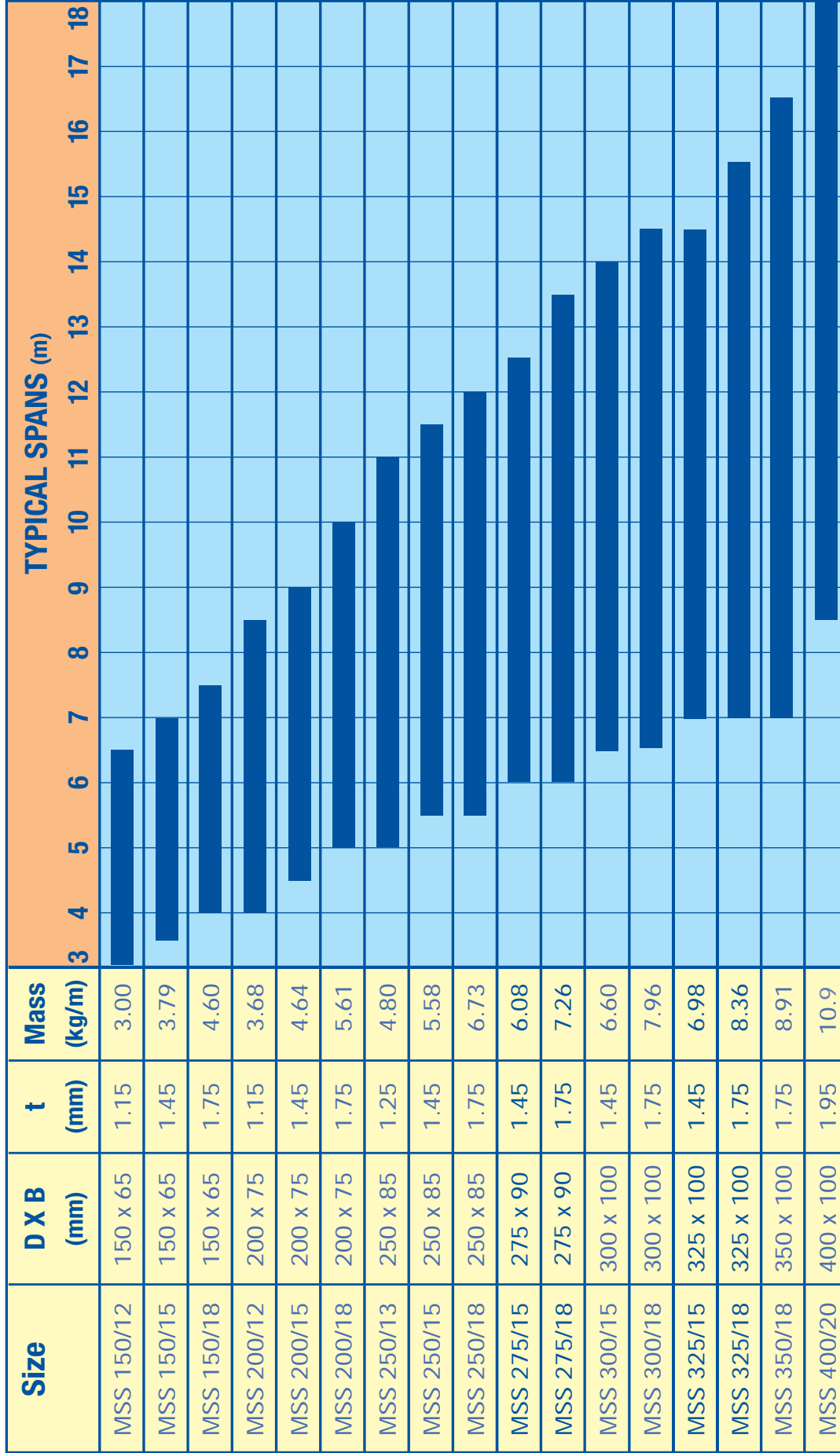


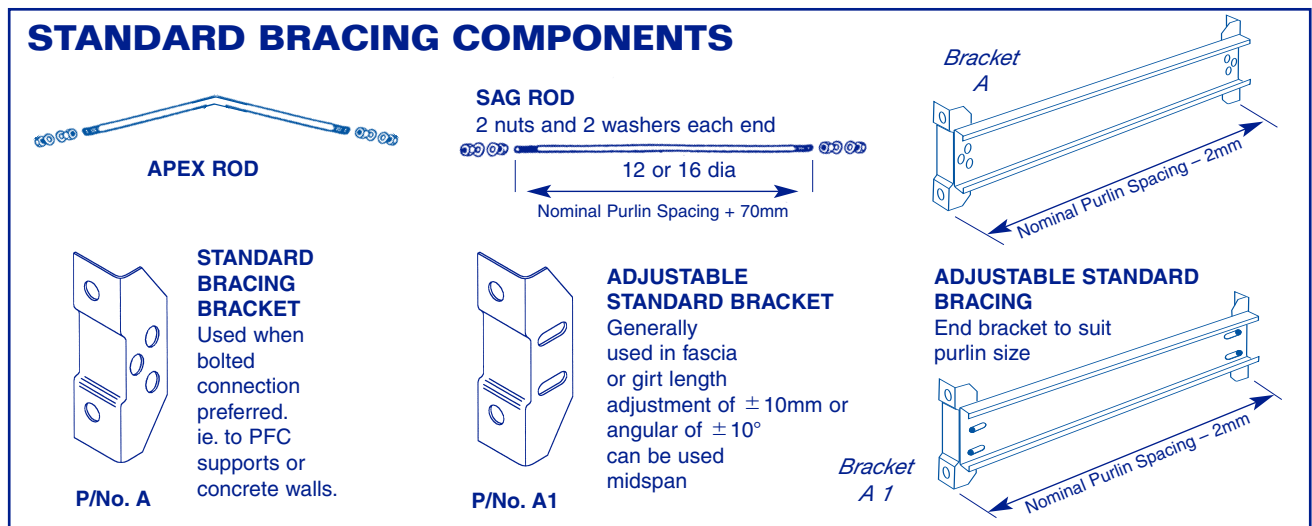
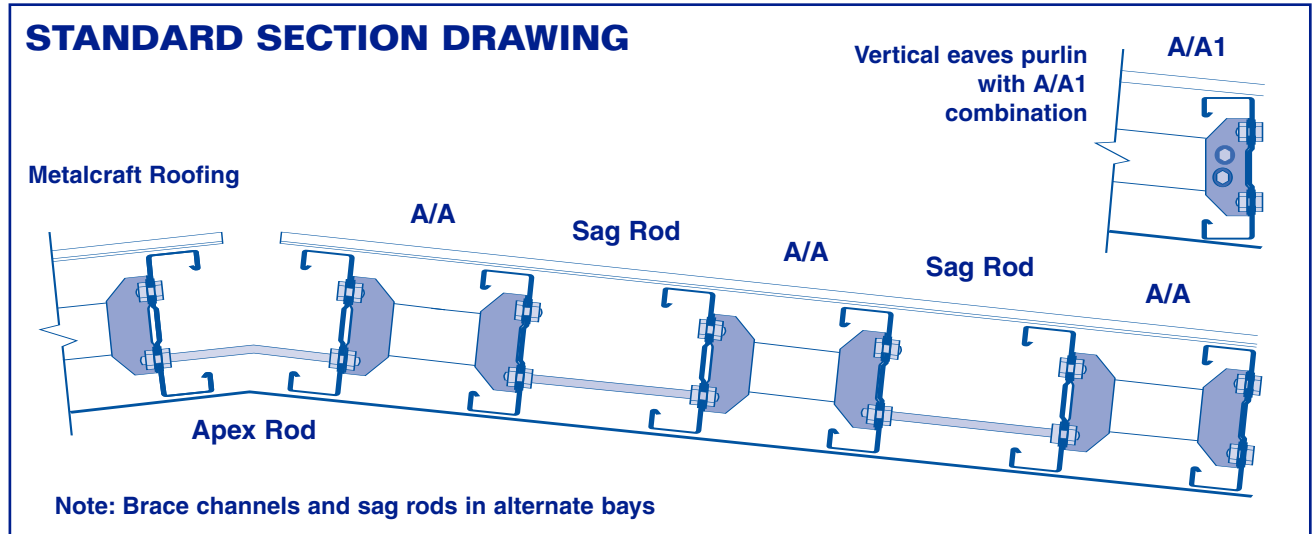
MSS Purlins Typical Usage Span Chart Guide



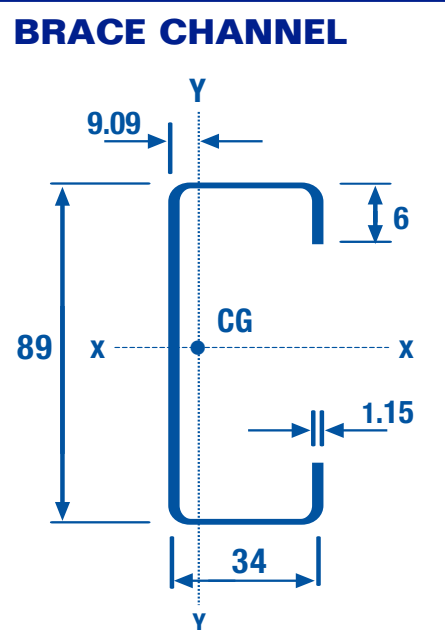
NOTE: This chart is a quick reference only. Each situation should be considered separately and designed using standard procedures FOR FURTHER INFORMATION AND ORDERS CONTACT METALCRAFT INDUSTRIES LTD.

STANDARD BRACING SYSTEM

Standard Bracing and Sag Rod's are fitted to alternate bays with the channel located adjacent to both the ridge and eave purlin. Sag Rod's are available in either 12dia or 16dia and are provided Zinc or Hot Dip Galvanized. They should be installed in the lower pre-punched fixing hole.



BRACE CHANNEL



BRACE CHANNEL PROPERTIES

Tabulated section properties are based on full unreduced sections.

Mass kg/m	Weight kN/m	Area mm ²	I _{xx} 10 ⁶ mm ⁴	I _{yy} 10 ⁶ mm ⁴	Z _{xx} 10 ³ mm ³	Column Properties	
						J mm ⁴	I _w 10 ⁹ mm ⁶
1.44	0.014	184	0.22	0.02	4.99	81.0	0.04

BRACE CHANNEL SELECTION

for MSS Purlin spacings up to 3.0m
 Maximum DESIGN LINEAR LOAD CAPACITY occurring on Purlin (kN/m), $\phi_b W_b$

MSS Purlin	1 Brace	2 Braces	3 Braces
150	7.6		
200	4.6	9.1	
250	3.1	6.1	9.1
275	2.5	5.0	7.5
300	2.1	4.2	6.2
325	2.0	3.9	5.8
350	2.0	3.7	5.5
400	*	3.3	4.6

* NOT RECOMMENDED
 Brace specifications outside the brace channel selection guidelines will require specific design.