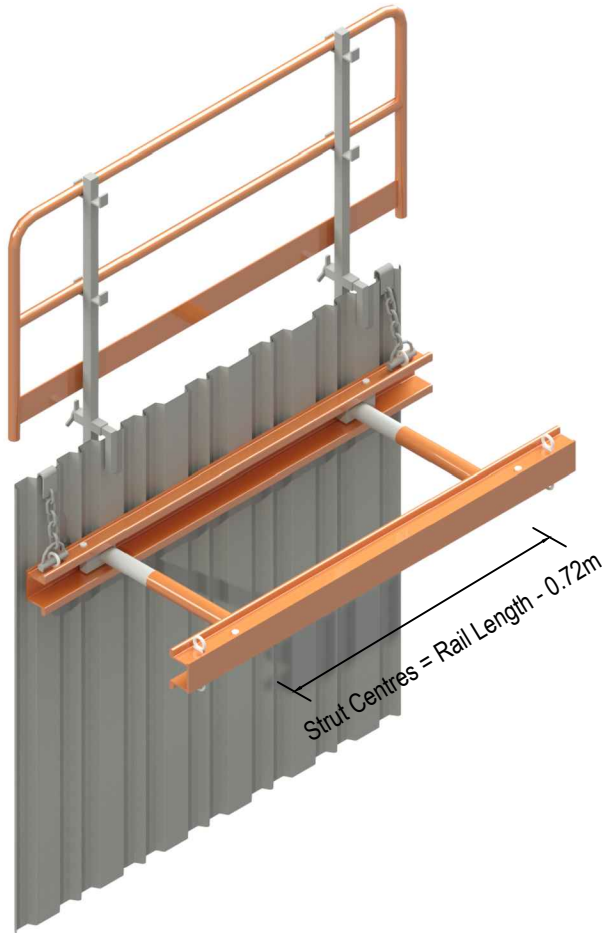


Aluminium Waler Information Sheet



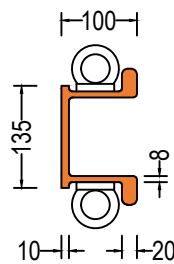
Waler Frame System

Length	Permissible Load	Cylinder	Min Width	Max Width	Frame Weight
m	kN/m		m	m	kg
1.50	80	2no	0.50	2.00	77
2.00	56	2no	0.50	2.00	88
2.50	48	2no	0.50	2.00	99
3.00	30	2no	0.50	1.80	110
3.50	36	3no	0.50	1.80	143
4.00	30.5	3no	0.50	1.80	154
5.00	23	3no	0.50	1.80	168

Please note that 3 Cylinders are required on rails 3.5m and above.

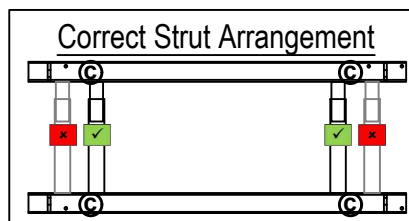
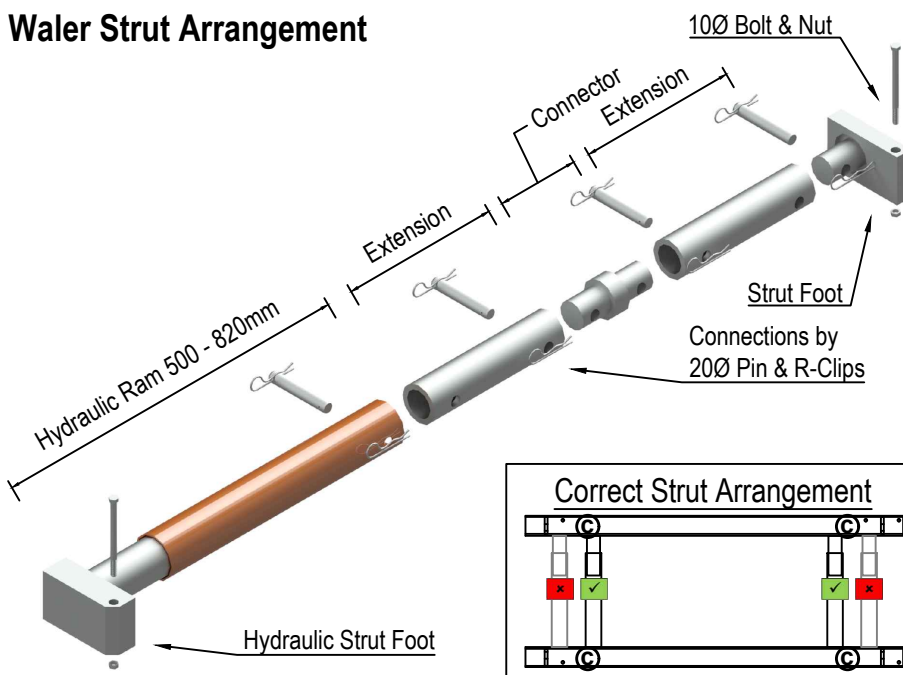
Frame weights assume max length strut @ 22kg each

Aluminium Waler Rail



Permissible Moment	Moment of Inertia	Section Modulus	Weight
kNm	cm ⁴	cm ³	kg/m
18	561	117	11

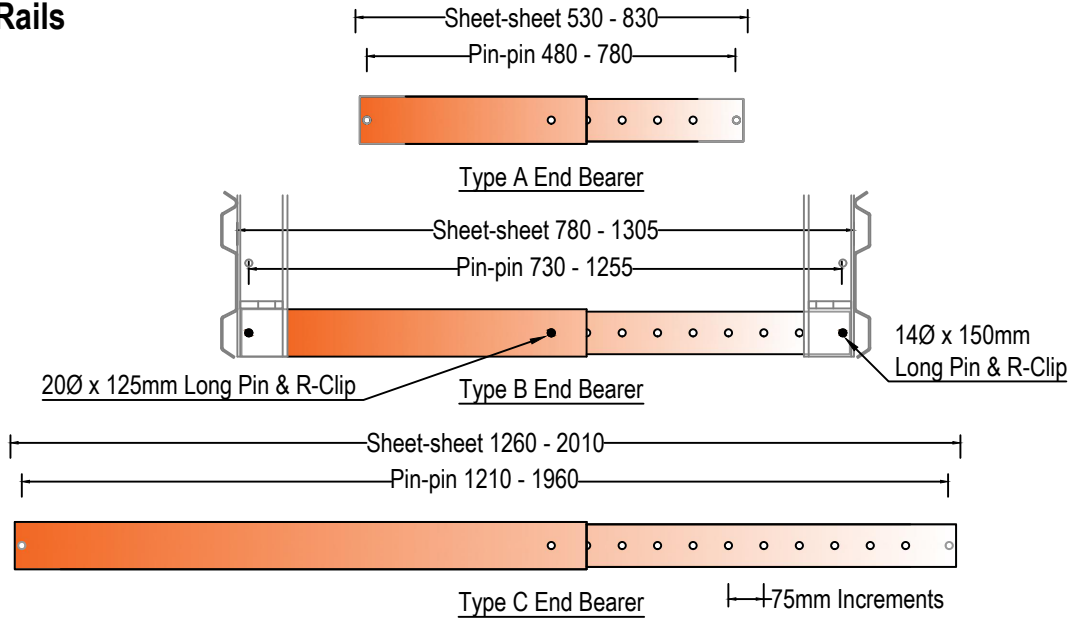
Waler Strut Arrangement



Item	Weight
	kg
1.5m Rail	16.5
2.0m Rail	22.0
2.5m Rail	27.5
3.0m Rail	33.0
3.5m Rail	38.5
4.0m Rail	44.0
5.0m Rail	55.0
Hydraulic Ram 500-820mm	11.0
Strut Foot	3.1
0.10m Extension	1.0
0.20m Extension	1.8
0.30m Extension	2.5
0.50m Extension	3.1
1.0m Extension	6.2

Aluminium Waler Information Sheet

End Bearing Rails



End Bearer	Min Width	Max Width	Individual Weight	Permissible Load (Max length)	Permissible Load (Min length)
	m	m	kg	kN/m	kN/m
Type A	0.53	0.83	13.0	60.5	80.0
Type B	0.78	1.31	16.5	38.3	64.4
Type C	1.26	2.01	24.0	20.8	39.8

The design permissible load may be lower than shown here. The End Bearer may be controlled by the main waler system, always check the permissible load of both the Aluminium Waler & End Bearer. To be confirmed by a TWD or contact SEL for further advice.

