

151-283 + 151-284 to 151-300  
293

# Marston Palmer



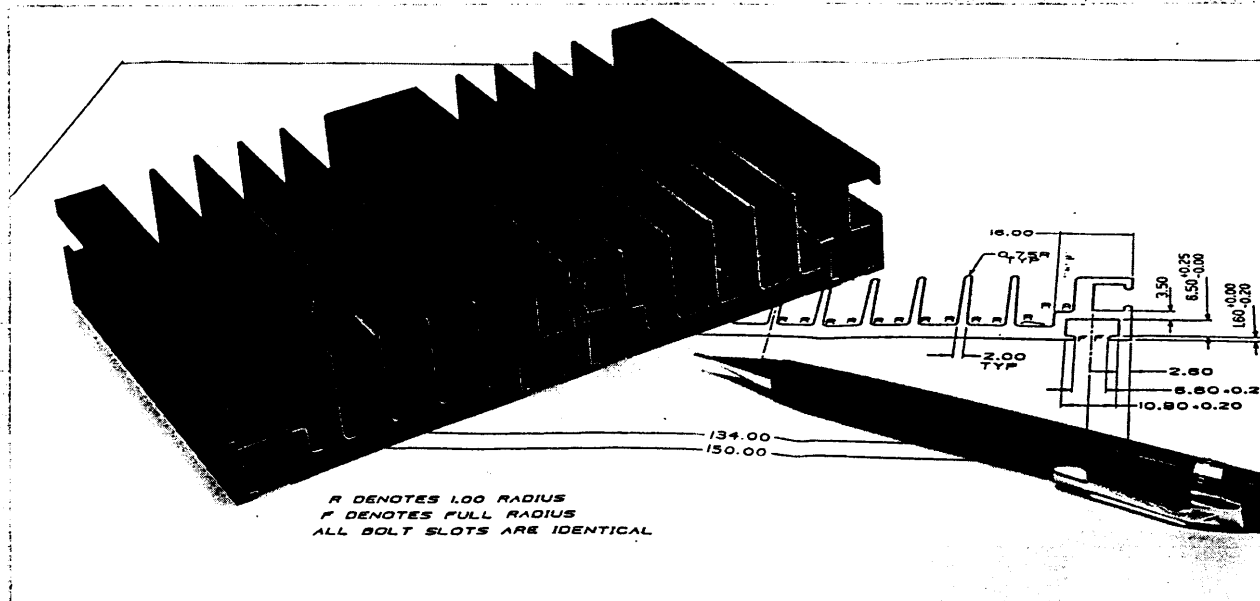
## Comb-Lok Heat Sinks

A new range of high performance comb heat sinks. These sinks have a special interlocking feature giving greater design flexibility than conventional comb sections.





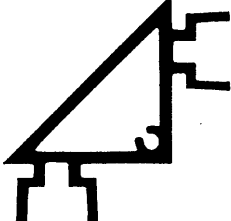

There are two standard heights and a total of six widths available ranging from 75mm to 300mm.

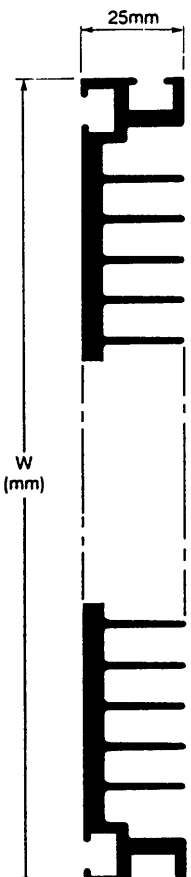
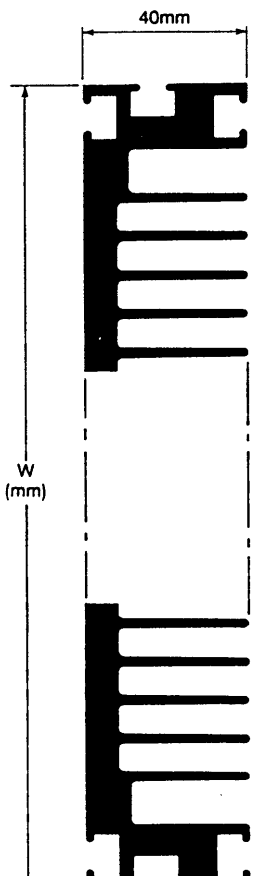
Individual elements can be locked together as required to give an extended width of heat sink.

A range of accessories is also available to allow the sinks to be attached more easily to parent equipment using cage nuts or a variety of standard bolts.

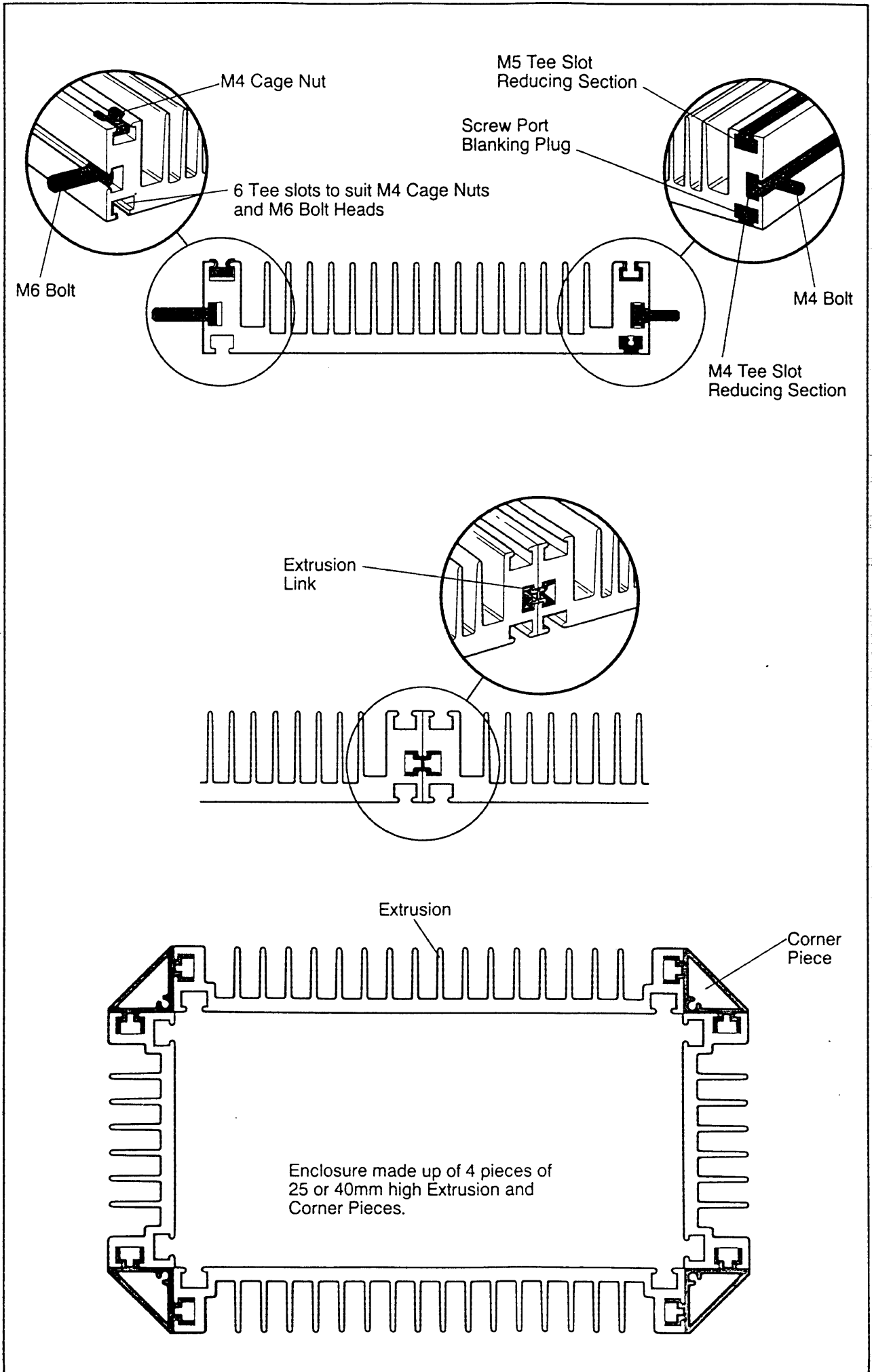


Accessories include:

	<p><b>Tee Slot Slide</b> Enables tee slots to be adapted to suit M3 to M6 bolts.</p>
	<p><b>Blanking Plug</b> Allows tee slots to be blanked off.</p>
	<p><b>Blanking Plug with extruded screw port</b> Enables end fixing of heat sink to parent equipment without drilling.</p>
	<p><b>Extrusion Link</b> Allows for two or more heat sinks to be fixed together to give an extended width of section.</p>
	<p><b>Corner Pieces</b> Available for both 25mm and 40mm high extrusions to allow box sections to be made in a variety of sizes. The corner pieces have screw ports extruded into the section to allow corner plates to be fixed without drilling.</p>
	<p><b>Corner Plate</b> Used for blanking off corner pieces. Available in 25mm and 40mm sizes.</p>

Profile (mm)	Type (Width)	Performance for Typical Lengths (Thermal Resistance — °C/w)									
		Plain or Alocromed Finish (1,3)					Matt Black Anodised Finish (2)				
		75mm	100mm	150mm	200mm	250mm	75mm	100mm	150mm	200mm	250mm
	301CL (W - 75)	6.2	5.0	3.6	2.9	2.6	4.4	3.4	2.5	2.0	1.7
	302CL (W - 100)	4.6	3.7	2.7	2.1	1.9	3.3	2.6	1.8	1.5	1.3
	303CL (W - 150)	2.9	2.3	1.7	1.5	1.4	2.1	1.7	1.2	0.96	0.87
	304CL (W - 200)	2.1	1.7	1.2	0.99	0.89	1.5	1.2	0.83	0.66	0.59
	305CL (W - 250)	1.6	1.3	0.98	0.78	0.70	1.2	0.94	0.66	0.53	0.46
	306CL (W - 300)	1.4	1.1	0.80	0.66	0.58	0.98	0.76	0.54	0.43	0.38
	307CL (W - 100)	3.4	2.7	2.0	1.6	1.4	2.6	2.1	1.6	1.3	1.1
	308CL (W - 150)	2.0	1.6	1.2	0.98	0.84	1.5	1.2	0.90	0.74	0.65
	309CL (W - 200)	1.3	1.0	0.78	0.63	0.58	1.0	0.83	0.60	0.46	0.40
	310CL (W - 250)	1.0	0.86	0.63	0.50	0.42	0.83	0.65	0.47	0.36	0.30
	311CL (W - 300)	0.88	0.71	0.52	0.41	0.36	0.64	0.54	0.38	0.30	0.25

# User Guide to Comb-Lok Heat Sinks and Accessories



# Comb-Lok Heat Sinks Accessories



Tee Slot Reducing Section  
M3  
(Pt. No. CL1)



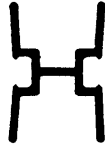
Tee Slot Reducing Section  
M4  
(Pt. No. CL2)



Tee Slot Reducing Section  
M5  
(Pt. No. CL3)



Blanking Plug  
(Pt. No. CL4)

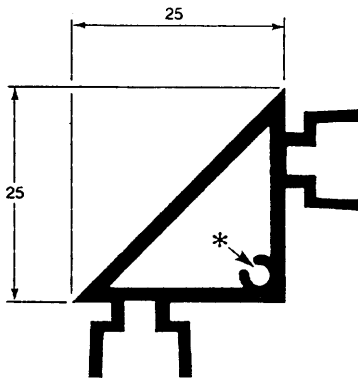


Linking Piece  
(Pt. No. CL5)

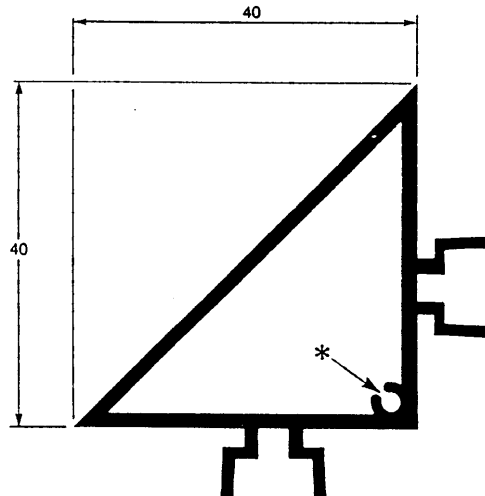


Screw Port  
Blanking Plug  
(Pt. No. CL6)

To suit No. 8  
Self Tapping  
Screw



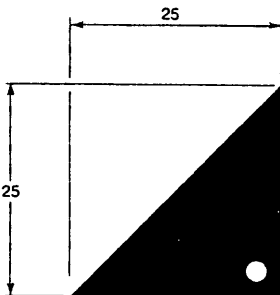
(Pt. No. CL7)



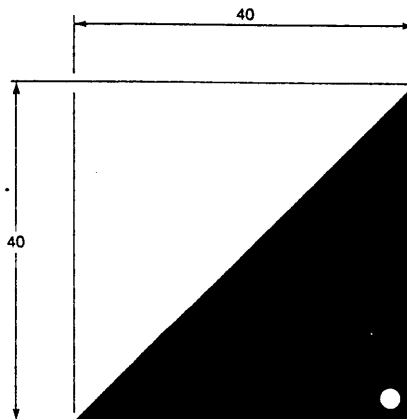
(Pt. No. CL8)

## Corner Pieces

\* Screw Port to suit No. 8  
Self Tapping Screw



(Pt. No. CL9)



(Pt. No. CL10)

## Corner Plates

All dimensions in millimetres

Order Code for Accessories:

Example:

M3 Tee Slot Slide, 300mm long, plain finish

Code: CL1 x 300 (P)

Linking Piece, 100mm long, black anodised

Code: CL5 x 100 (B)

**Marston  
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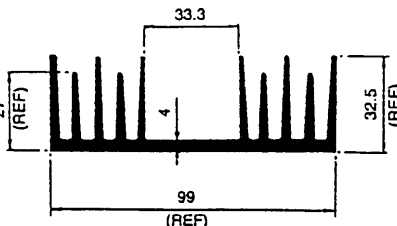
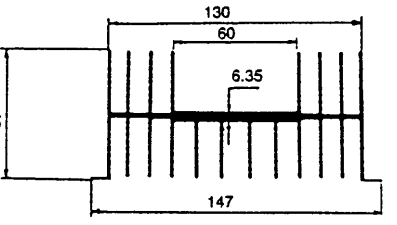
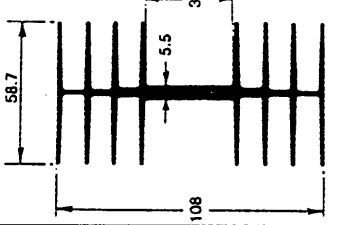
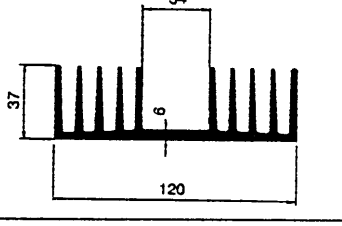
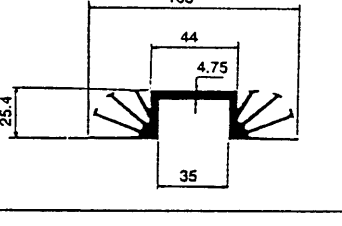
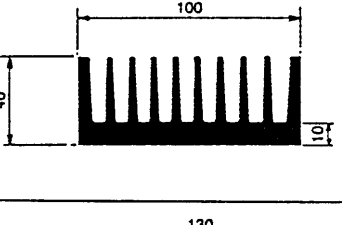
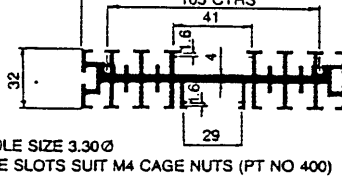
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**IMI**

MP292/500/487

# Standard Heat Sinks for Medium and High Power Applications

Type	Profile (mm)	Performance for Typical Lengths Thermal Resistance — $\theta_{JA}$									
		Plain or Alocromed Finish (1,3)					Matt Black Anodised Finish (2)				
		50mm	75mm	100mm	125mm	150mm	50mm	75mm	100mm	125mm	150mm
33DN		2.4	2.0	1.7	1.6	1.4	2.1	1.7	1.5	1.4	1.2
39DN		1.4	1.0	0.75	0.70	0.65	1.2	0.85	0.65	0.60	0.57
40DN		2.1	1.5	1.3	1.2	1.1	1.6	1.3	1.2	1.1	1.0
41DN		1.7	1.4	1.2	1.1	1.0	1.5	1.2	1.0	0.93	0.90
42DN		3.5	2.9	2.3	2.1	1.8	3.0	2.5	2.0	1.8	1.6
151-283 43DN		2.8	2.1	1.7	1.6	1.4	2.4	1.8	1.5	1.3	1.2
44DN	 HOLE SIZE 3.30Ø TEE SLOTS SUIT M4 CAGE NUTS (PT NO 400)	2.3	1.8	1.5	1.4	1.25	1.8	1.4	1.2	1.1	1.0

insulating feet available

**CUSTOM DESIGNS:** Heat sinks with profiles other than those shown can be offered to suit your specific requirements

**ACCESSORIES:** See our range of accessories at back of brochure