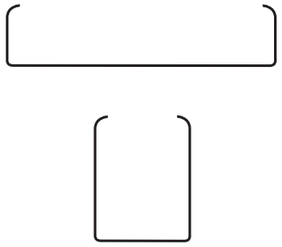
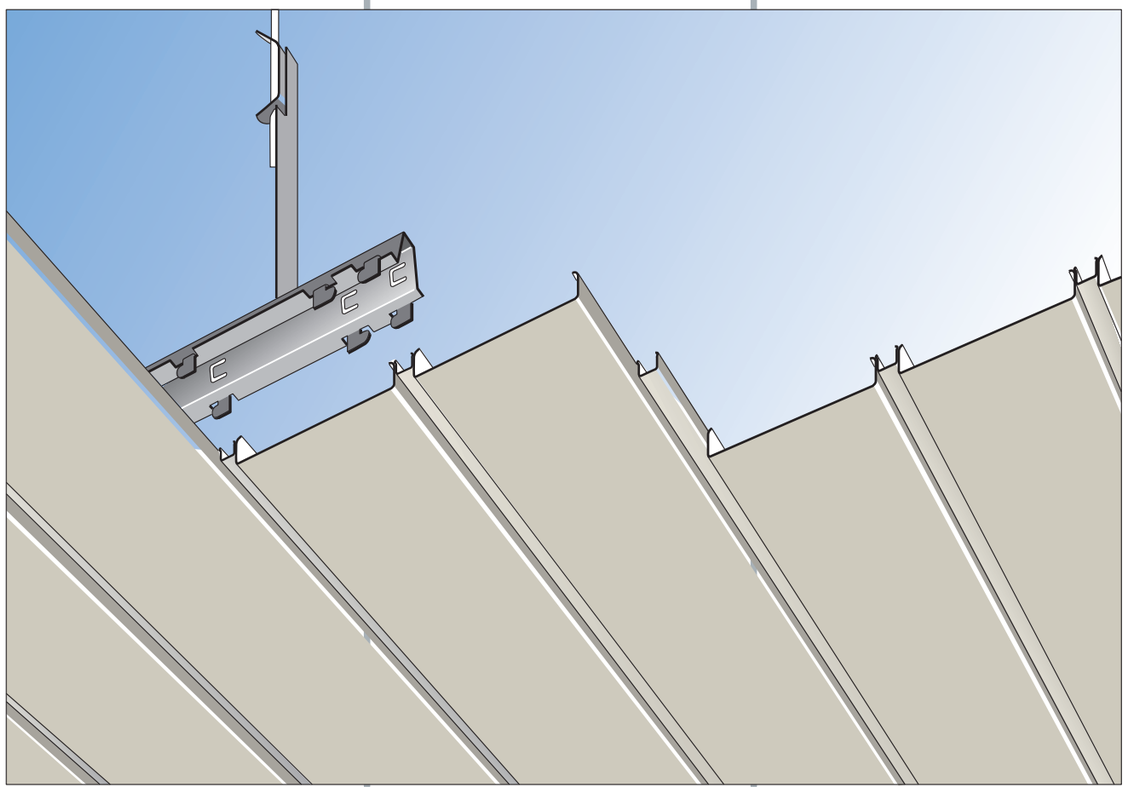
NordProfil

Modulam

LINEAR METAL STRIP CEILING RANGE





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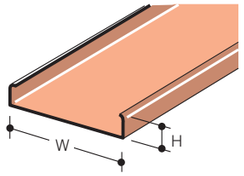


Cold roll formed aluminium or zinc coated mild steel in thicknesses shown in **Table 2**. Subject to requirements perforated profiles may have black tissue lining bonded to the rear of the profiles.

Standard finish: stove enamel polyester paint in matt, semi-gloss or full gloss (see colour chart).

Special finishes: subject to minimum order quantity.

Standard length: to order between 1000mm min. and 5800mm max.

Matt or full gloss finishes are available subject to colour specification.

Table 2 Profile sizes and metal thicknesses.

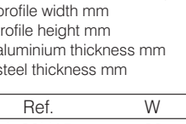
Legend: Shaded columns = 60 stove enamel colour availability.
W = profile width mm
H = profile height mm
Al = aluminium thickness mm
St = steel thickness mm

Ref.	W	H	Al	St
M 30H15	30	15	0.5	0.4
M 30H23	30	23	0.5	0.4
M 30H40	30	40	0.5	0.4
M 35H13	35	13	0.5	0.4
M 50H25	50	25	0.5	0.4
M 50H45	50	45	0.6	0.4
M 75H25	75	25	0.5	0.4
M 75H45	75	45	0.6	0.4
M 80H15	80	15	0.5	0.4
M 80H23	80	23	0.5	0.4
M 80H40	80	40	0.6	0.4
M 85H13	85	13	0.5	0.4
M 85H20	85	20	0.5	0.4
M100H20	100	20	0.5	0.4
M110H20	110	20	0.5	0.4
M125H25	125	25	0.6	0.4
M130H15	130	15	0.6	0.4
M130H23	130	23	0.6	0.4
M130H40	130	40	0.7	0.5
M135H13	135	13	0.6	0.4
M135H20	135	20	0.6	0.4
M175H25	175	25	0.6	0.5
M180H15	180	15	0.6	0.5
M180H23	180	23	0.6	0.5
M180H40	180	40	0.7	0.6
M185H13	185	13	0.6	0.5
M185H20	185	20	0.6	0.5

STANDARD PERFORATION (zonal)
2mm diameter holes on diagonal grid 15% open area.

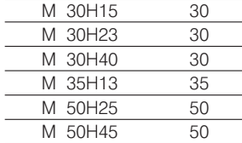
MICRO PERFORATION
1.3mm diameter holes on diagonal grid 22% open area.

1A



Splice channels for MODULAM profiles, 125mm long, metal as profiles.

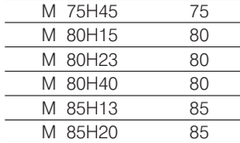
2i



Overall size: 25mm deep x 53mm wide.

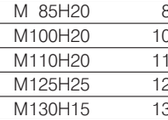
OMEGA carriers in cold roll formed 0.8mm thick aluminium or 0.6mm thick galvanised mild steel. Tongue spacings to suit MODULAM profiles.
Standard finish: matt black polyester stove enamel paint.
Standard lengths: 4000mm.

2ii



OMEGA carrier all as carrier (2i) but with plain base, ie non tongued. Use with sliding clip plate (16)

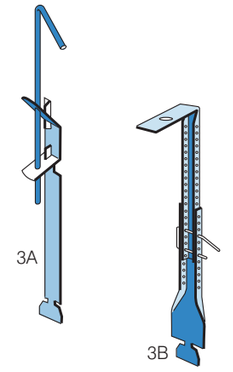
2A



Channel coupler for OMEGA carriers in 0.6mm thick galvanised mild steel. Lengths to suit carriers.
Finish as carrier.

3A

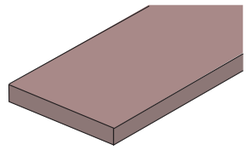
3B



Butterfly suspension key hangers in 1.5mm thick galvanised mild steel, with spring clips and 4mm dia. rod.
Standard length: various between 125mm min. & 1000mm max. ceiling void depths.

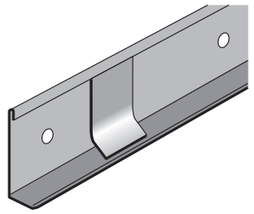
Vernier hanger upper section in 1mm thick galvanised mild steel, paint finished, with 1.25mm thick galvanised mild steel bracket and 2.5mm dia. steel looped security pin.
Standard length: 2000mm upper section VERNIER hanger has section edges vee notched to provide 'easy break' positions at 62mm centres.

4



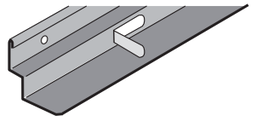
Standard 25mm thick 45kg/m³ density rockwool or 20mm thick 20kg/m³ density glasswool, both with black tissue face. Also available encased in polythene, pvc or aluminium foil.

5



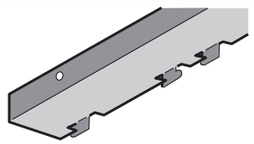
Perimeter angle trim in cold roll formed 0.8mm thick aluminium or 0.6mm thick galvanised mild steel.
Standard finish: white or black semi gloss stove enamel polyester paint.
Standard length: 4000mm.
Overall size: 40mm deep x 20mm wide.

6



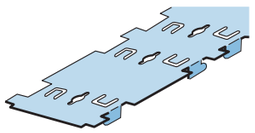
Perimeter shadow line angle trim in metal, finish and lengths as (5).
Overall size: 44mm deep x 36.5mm wide. Shadow gap width = 12.5mm.

7



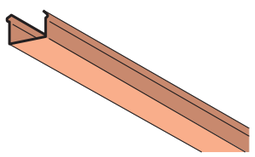
Wall carriers (LC) in cold roll formed metals as (2i). Tongue spacings to suit MODULAM profiles. Finish and lengths as (2i).
Overall size: 20mm deep x 48mm wide.

8



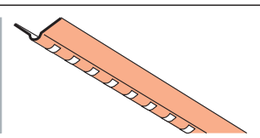
Flexible carriers (FC) in cold roll formed metals as (2i). Tongue spacings to suit MODULAM profiles. Finish and lengths as (2i).
Overall width: 94mm.

9



Joint closure strip (VH) in cold roll formed 0.3mm/0.5mm thick aluminium or 0.3mm/0.4mm thick galvanised mild steel. Finish and standard length as (1). Produced with 6mm x 22mm slots at 59mm centres for air distributing ceilings.

10

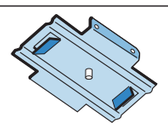


Joint closure strip (VL) in cold roll formed 0.3mm thick aluminium. Finish and standard length as (1). Produced with 7mm x 3mm slots at 10.5mm centres for air distributing ceilings.

11 - 15

Reference number allocation to a component is based on its function in the ceiling system. No MODULAM components suit 11, 12, 13, 14 or 15 classification.

16



Sliding clip plate riveted assembly out of 0.6mm thick galvanised mild steel. Standard finish as (2i).
Overall size: 95mm long x 56mm wide. Use with carrier (2ii).

Designed & produced by Pencuil Studios Ltd. Hinckley, Leics. England. Technical author: Barrie Storer.

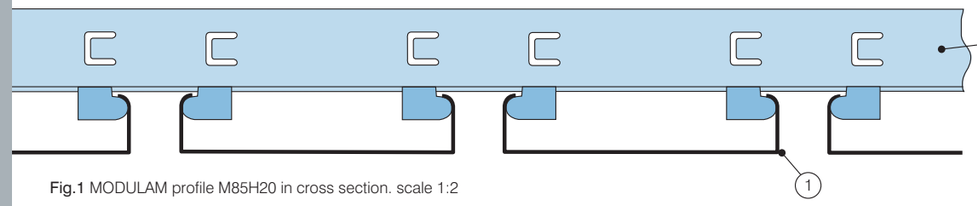


Fig.1 MODULAM profile M85H20 in cross section. scale 1:2

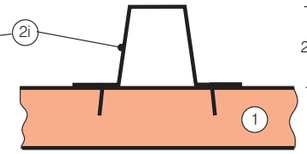


Fig.2 OMEGA carrier in cross section. scale 1:2

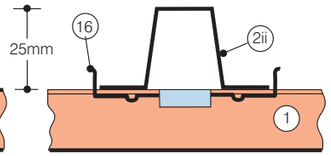


Fig.13 OMEGA carrier (2ii) in cross section. scale 1:2

Suspended from the structural soffit by adjustable hangers (3A) (Fig.3) or (3B) (see rear page), Omega carriers (2i) (Figs.1,2,3), contain preformed tongues in their base, over which the MODULAM profiles (1) are clipped to make a secure attachment which is however, capable of being disengaged by hand or tool. The tongue spacings dictate the joint width (J) and ceiling module (Mo). Open joint widths between MODULAM profiles ref. M85H13 and M85H20 can be varied by clipping the profiles over a sliding clip plate (16) which is 'end fed' onto a plain base (ie. non tongued) carrier (2ii) (Figs.13 & 14) and positioned according to requirements.

Either of the perimeter angles (5) (Fig.5) or (6) (Fig.4) can be used to cloak the cut edges of MODULAM profiles at walls and other abutments. The longitudinal edges are held down by clips on angle (5) and by pull out tabs on angle (6).

Wall carrier (7) (see rear page) supports the cut edge of profiles (1) when no cloaking angle is employed.

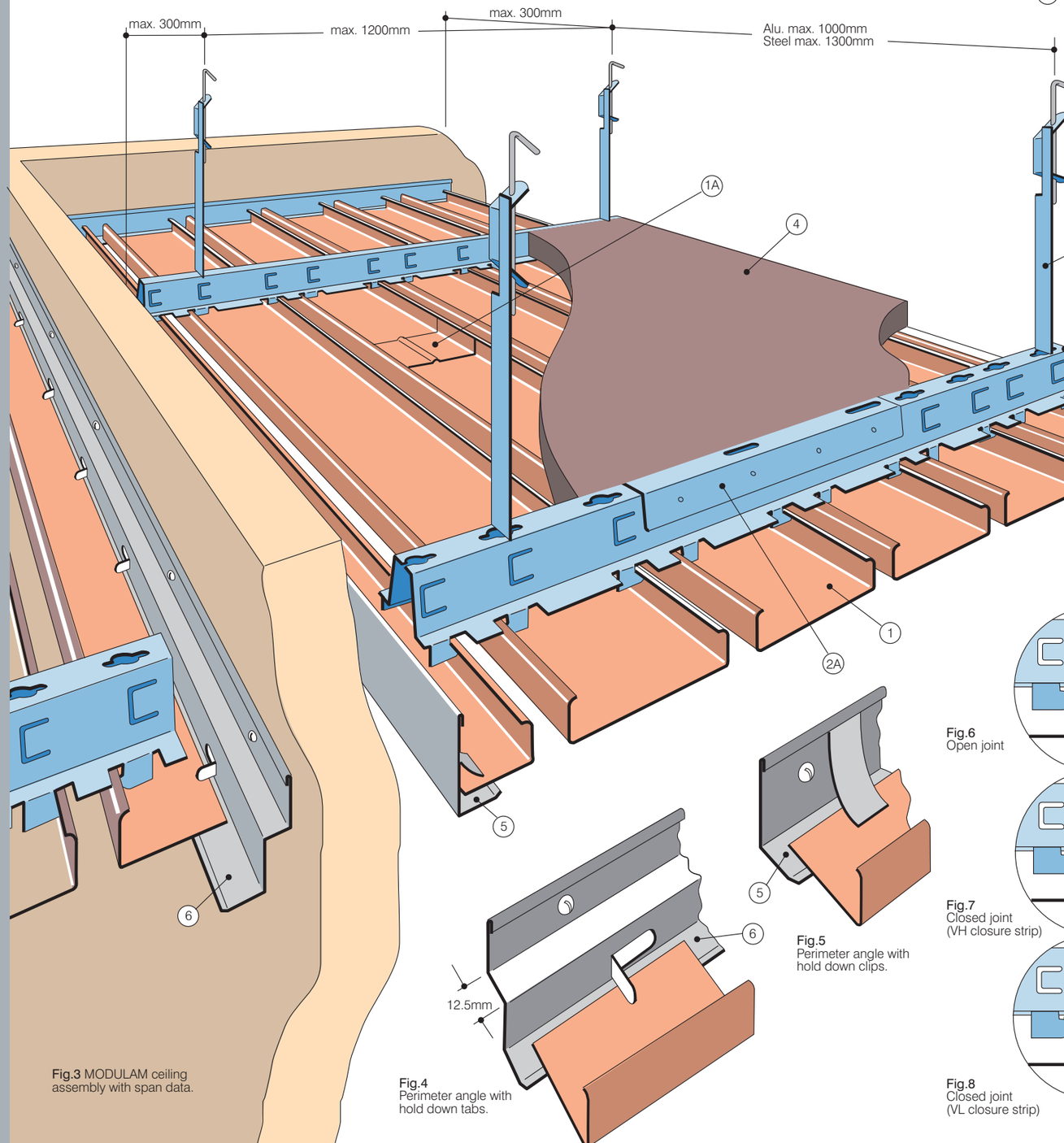


Fig.3 MODULAM ceiling assembly with span data.

Fig.4
Perimeter angle with hold down tabs.

Fig.5
Perimeter angle with hold down clips.

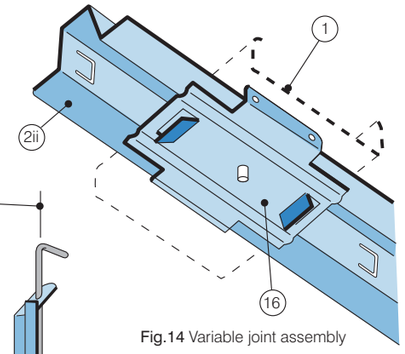


Fig.14 Variable joint assembly

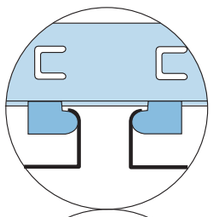


Fig.6
Open joint

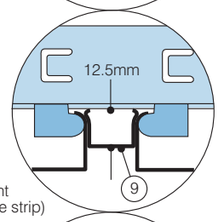


Fig.7
Closed joint
(VH closure strip)

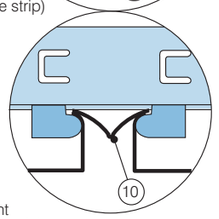


Fig.8
Closed joint
(VL closure strip)

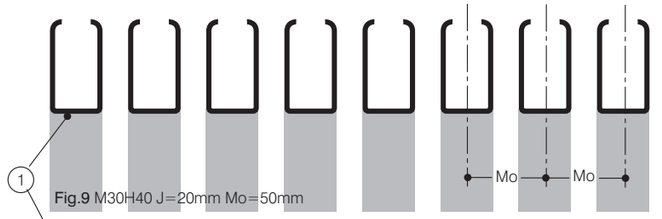


Fig.9 M30H40 J=20mm Mo=50mm

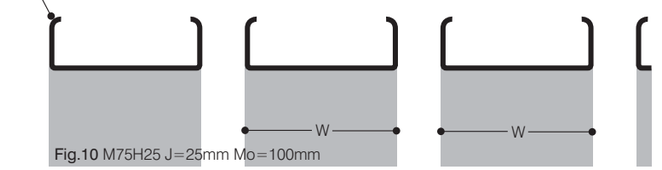


Fig.10 M75H25 J=25mm Mo=100mm

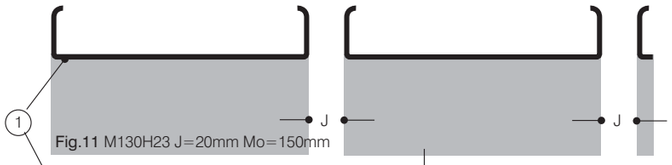


Fig.11 M130H23 J=20mm Mo=150mm

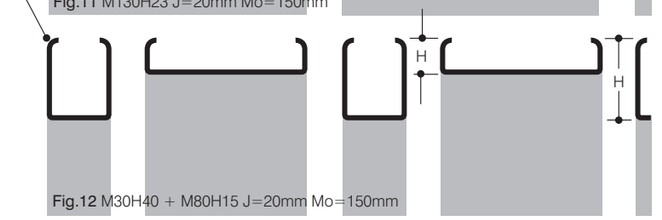


Fig.12 M30H40 + M80H15 J=20mm Mo=150mm

Manufactured from light gauge aluminium or mild steel strip, the U shaped profiles (1) (Fig.1) in the MODULAM range are fixed as shown to create demountable linear interior ceilings.

The range contains 27 sizes of profile each referenced according to its width (W) and height (H). These are supplied in plain (non perforated) metals or in either of two perforated forms shown on the rear page. They are available in a selection of standard colours using stove enamel finishes plus reflective or mirror finishes as listed in the company's colour chart. Special finishes are subject to minimum order quantity.

MODULAM ceilings contain continuous open joints (J). These can be closed on site by fitting one of the closure strips (9) or (10) (Figs.7 & 8). Different profiles can be combined, using a compatible carrier (2i) (Fig.2), to produce stepped ceiling sections like that seen in Fig.12. Other contouring is achieved by employing a flexible carrier (8) (Fig.3). Joint widths between MODULAM profiles ref. M85H13 and M85H20 can be varied, if necessary, in the manner described opposite. Ceilings overlaid with inert fibrous insulation material (4) (Fig.3) act as sound absorbent membranes. To achieve this the joints between plain profiles must be open (Fig.6).

MODULAM installations can function as air distributing ceilings if air is allowed to flow from a pressurised ceiling plenum through slots made in joint strips (9) or (10). Sealed insulation (4) must be used in the space between the active air strips.

Fire protecting ceilings are made possible by specifying steel profile M85H13. Details of 30 mins. and 60mins. fire resistant ceilings and TNO reports are available on sheet no. 2.04/1.

NP-45 suspension system for obliqued MODULAM ceilings is described on sheet no. 2004/2.

Fluorescent lighting fittings and spotlights are featured in section (6) of our technical manual, ceiling access panels on sheet 7.03. Please note that certified performance data are in section 8 and typical specification layout is on sheet 2.21.

Table 1 Ceiling module range and profile sizes.
Legend Mo = ceiling module mm
W = ceiling width mm
J = joint width mm
H = profile height mm

Mo	Ref.	W	J	H
50	M 30H15	30	20	15
	M 30H23	30	20	23
	M 30H40	30	20	40
	M 35H13	35	15	13
75	M 50H25	50	25	25
	M 50H45	50	25	45
100	M 75H25	75	25	25
	M 75H45	75	25	45
	M 80H15	80	20	15
	M 80H23	80	20	23
	M 80H40	80	20	40
	M 85H13	85	15	13
	M 85H20	85	15	20
115	M100H20	100	15	20
125	M110H20	110	15	20
150	M125H25	125	25	25
	M130H15	130	20	15
	M130H23	130	20	23
	M130H40	130	20	40
	M135H13	135	15	13
	M135H20	135	15	20
200	M175H25	175	25	25
	M180H15	180	20	15
	M180H23	180	20	23
	M180H40	180	20	40
	M185H13	185	15	13
	M185H20	185	15	20

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