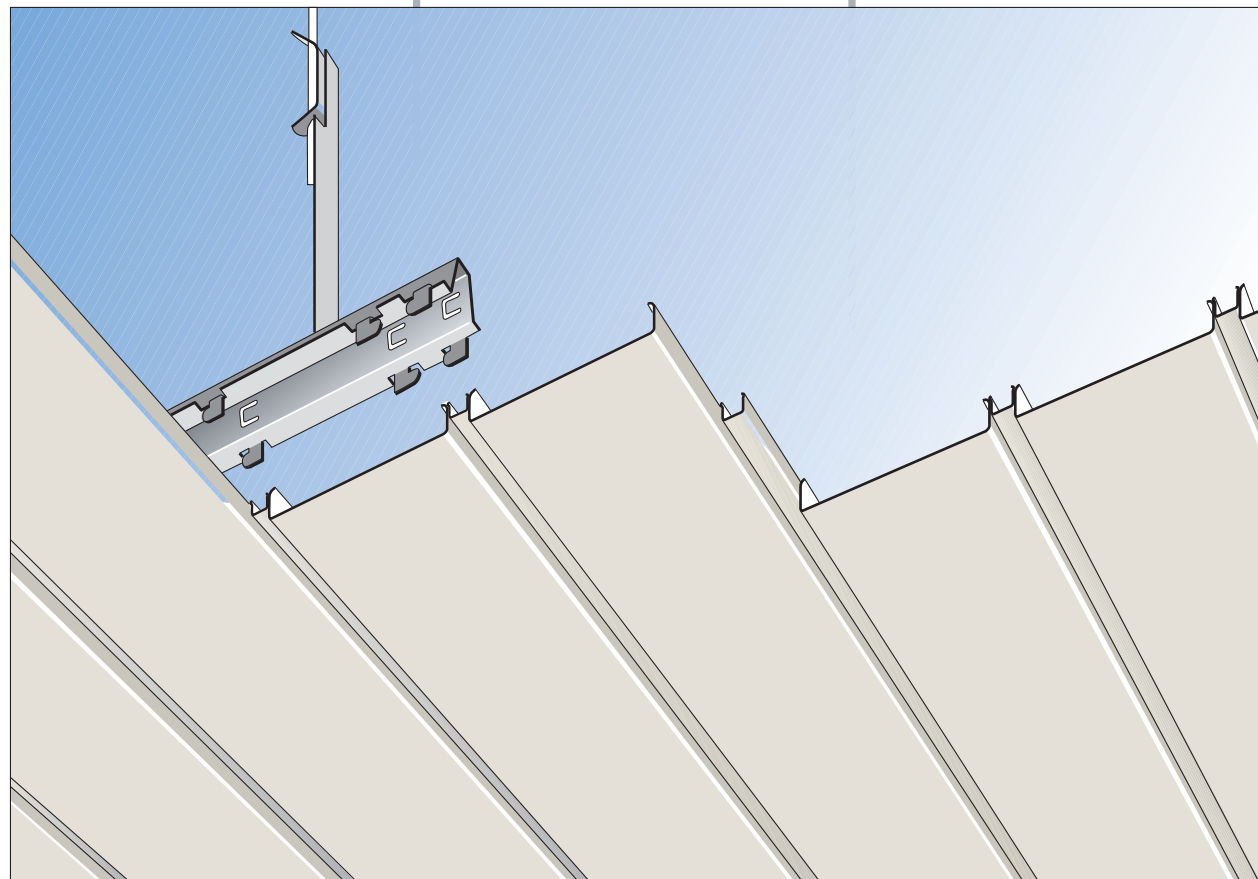




ShanghaiProfil

Modulam

LINEAR METAL STRIP CEILING RANGE



ShanghaiProfil Metal Ceiling Co., Ltd.
No. 30, Lane 1125, Nanliu Road,
Pudong New Area, 201300 Shanghai
P.R. China

Tel: (+86)-21-5803 3985
E-mail: info@shanghaiprofil.com
Fax: (+86)-21-5803 3990
Internet: www.shanghaiprofil.com

1 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.

Table 2 Profile sizes and metal thicknesses.
W = profile width mm
H = profile height mm
Al = aluminium thickness mm
St = steel thickness mm

Ref.	W	H	Al
M 35H20	35	20	0.5
M 85H20	85	20	0.5
M 135H20	135	20	0.6
M 185H20	185	20	0.6
M 35H13	35	13	0.5
M 85H13	85	13	0.5
M 135H13	135	13	0.6
M 185H13	185	13	0.6
M 30H15	30	15	0.5
M 80H15	80	15	0.5
M 130H15	130	15	0.6
M 180H15	180	15	0.6
M 30H40	30	38	0.5
M 80H40	80	38	0.6

STANDARD PERFORATION 2mm diameter holes on diagonal grid 16.9% open area.

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

1A Splice channels for MODULAM profiles, 125mm long, metal as profiles.

2i 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.
Overall size: 25mm deep x 53mm wide.
Standard lengths: 3600mm.

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 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.

3B 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 Perforated panels to have black tissue lining bonded to rear of panel.
Insulation pads fitted in panel on site when specified.
Standard 30 mm thick 55kg/m³ with black tissue face.

5 Perimeter angle trim in cold roll formed 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 Reference number allocation to a component is based on its function in the ceiling system. No MODULAM components suit 7 classification.

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. Finish and standard length as (1). Produced with 6mm x 22mm slots at 59mm centres for air distributing ceilings.

10 - 15 Reference number allocation to a component is based on its function in the ceiling system. No MODULAM components suit 10 - 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).

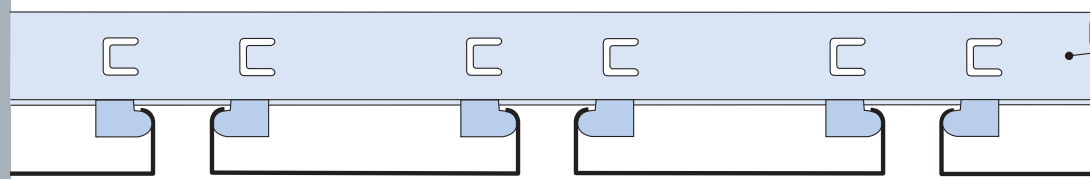


Fig.1 MODULAM profile M85H20 in cross section.

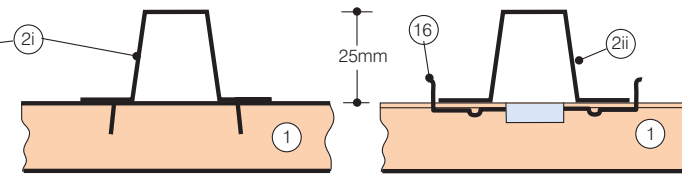


Fig.2 OMEGA carrier (2i) in cross section.

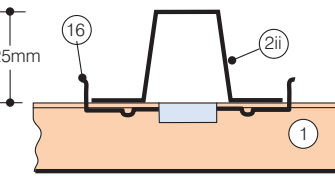


Fig.8 OMEGA carrier (2ii) in cross section.

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. 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.8 & 9) 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).

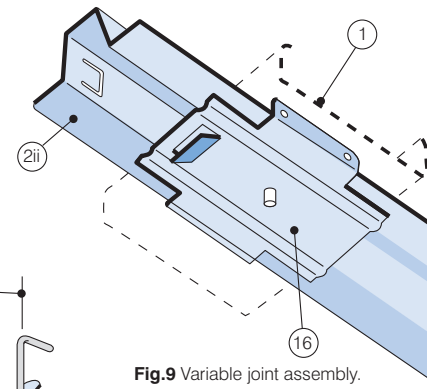


Fig.9 Variable joint assembly.

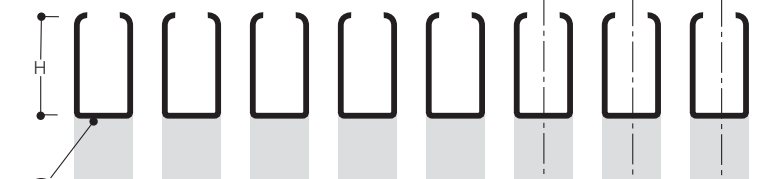


Fig.10 M30H40 J=20mm Mo=50mm

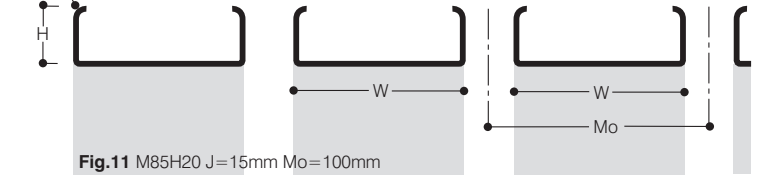


Fig.11 M85H20 J=15mm Mo=100mm

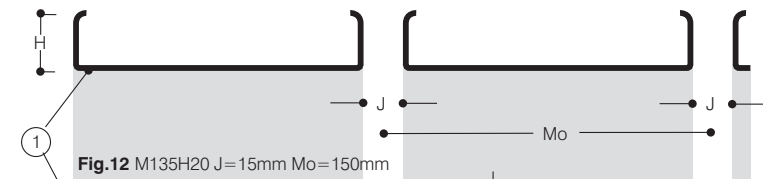


Fig.12 M135H20 J=15mm Mo=150mm

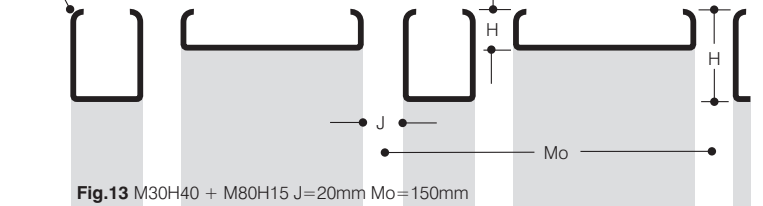


Fig.13 M30H40 + M80H15 J=20mm Mo=150mm

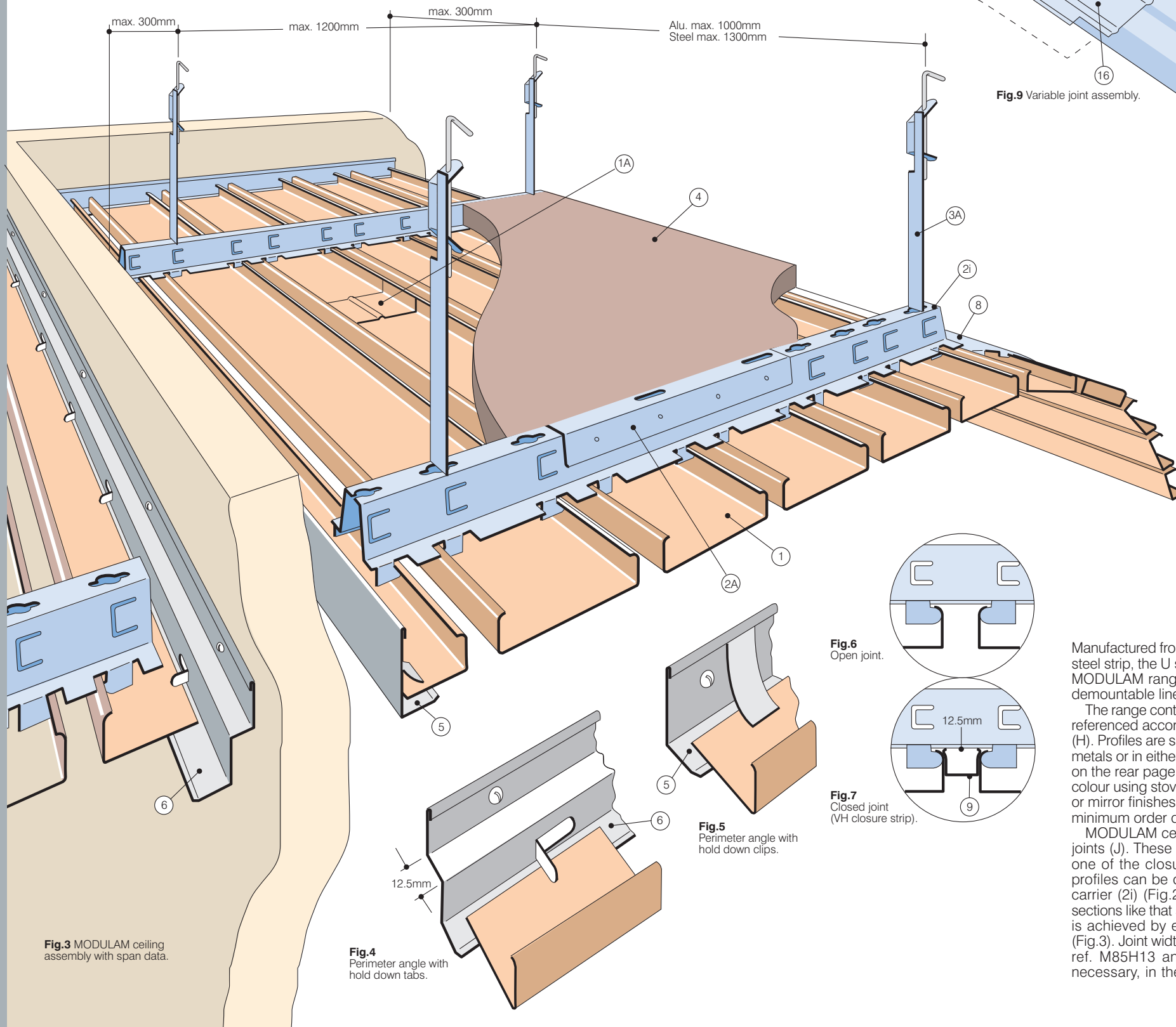


Fig.3 MODULAM ceiling assembly with span data.

Fig.4 Perimeter angle with hold down tabs.

Fig.5 Perimeter angle with hold down clips.

Fig.6 Open joint.

Fig.7 Closed joint (VH closure strip).

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 35H20	35	15	20
	M 35H13	35	15	13
	M 30H15	30	20	15
100	M 30H40	30	20	38
	M 85H20	85	15	20
	M 85H13	85	15	13
	M 80H15	80	20	15
150	M 80H40	80	20	38
	M135H20	135	15	20
	M135H13	135	15	13
	M130H15	130	20	15
200	M185H20	185	15	20
	M185H13	185	15	13
	M180H15	180	20	15

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 several sizes of profile each referenced according to its width (W) and height (H). Profiles are supplied in plain (non perforated) metals or in either of two perforated forms shown on the rear page. They are available in standard colour using stove enamel finishes plus reflective or mirror finishes. 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) (Fig.7). Different profiles can be combined, using a compatible carrier (2i) (Fig.2), to produce stepped ceiling sections like that seen in Fig.13. 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). Sealed insulation (4) must be used in the space between the active air strips.

Modulam