

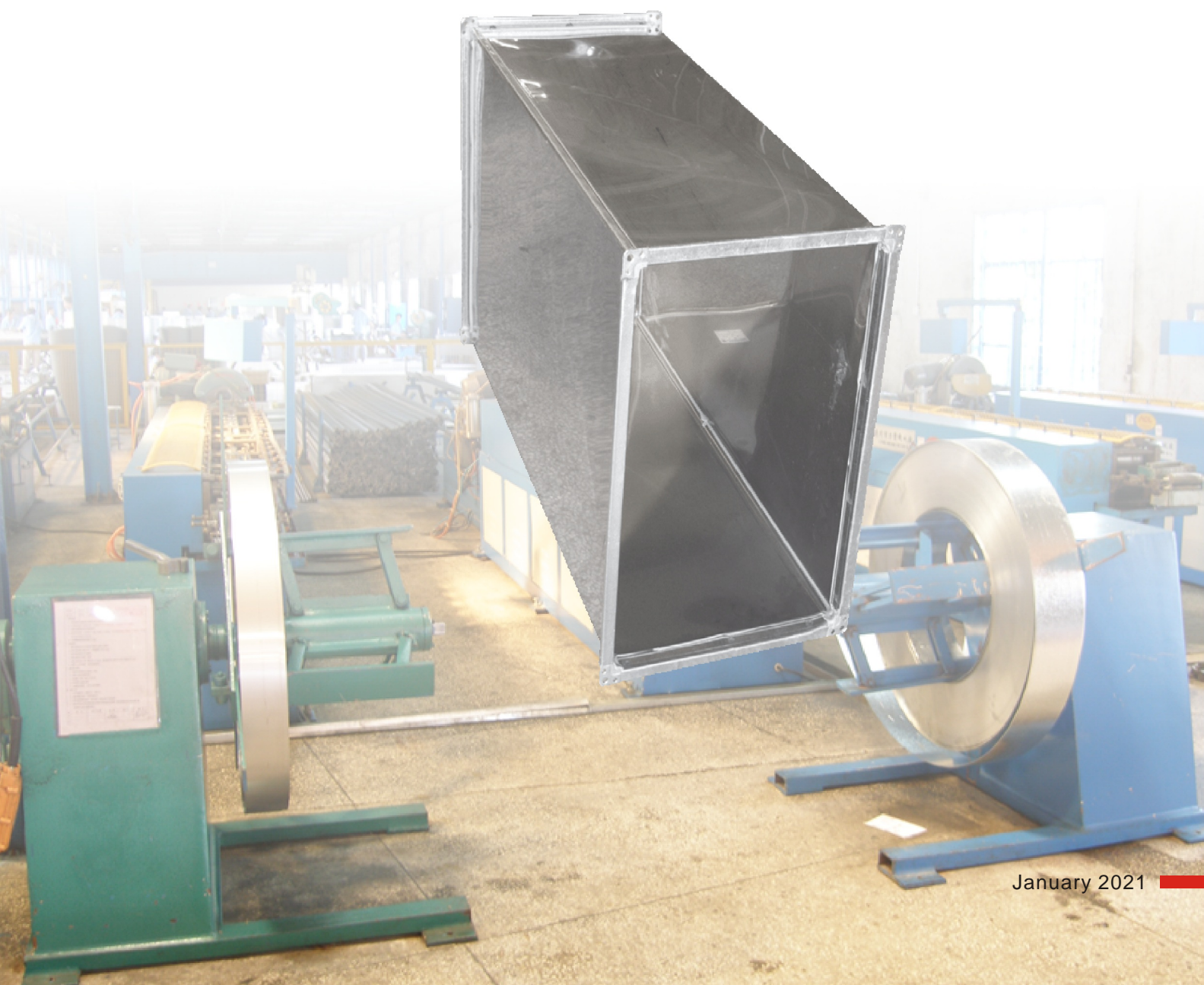


聯明坪山冷氣製品廠有限公司

LUEN MING PENGSHAN AIR CONDITIONING FACTORY LIMITED



联明LM[®] STAINLESS STEEL FLANGE DUCTWORK JOINTING SYSTEM



January 2021



联明坪山冷氣制品廠有限公司

LUEN MING PENGSHAN AIR CONDITIONING FACTORY LIMITED

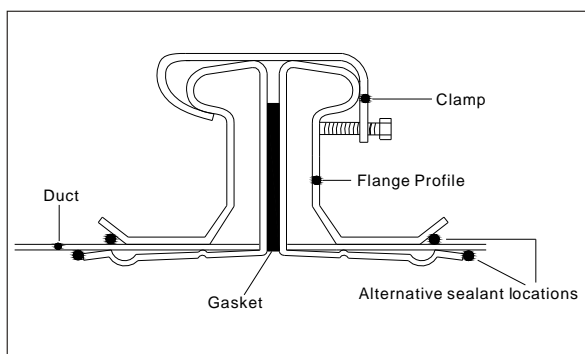


联明LM[®] STAINLESS STEEL FLANGE DUCTWORK JOINTING SYSTEM

CONSTRUCTION

FEATURE

- Provides for rapid assembly of cross joints
- Available in standard metric sizes of 20mm, 30mm
- Fully conforms to specification DW/144
- Choice for material types and gauges to suit specifications and requirements
- Tested and certified by University of Hong Kong in Accordance with the HVAC test procedures DW/TM1
- Suitable for HVAC specification Joint Ratings up to J5 and pressure classes A, B and C
- Full range of accessories to suit all sizes of flanges



Typical Cross Section through the Profile

PART NUMBERS

20mm profile ref 联明LM[®]-120 + 联明LM[®]-20 corners

30mm profile ref 联明LM[®]-130 + 联明LM[®]-30 corners

DW / TM1 TEST RESULTS

Flange	Corner	J2	J3	J4	J5
联明LM [®] -120	联明LM [®] -20	✓			
联明LM [®] -130	联明LM [®] -30		✓	✓	✓※

※ When used with central Tie Rod

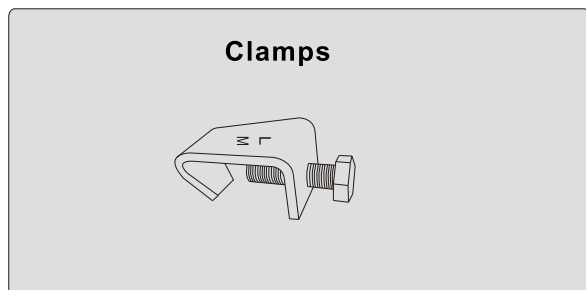
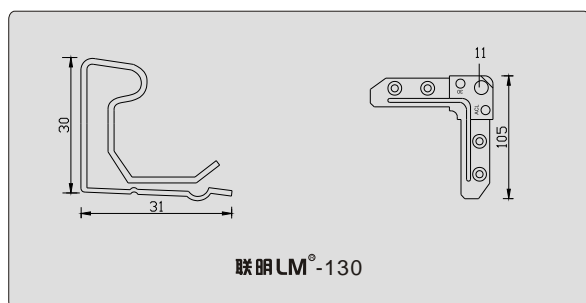
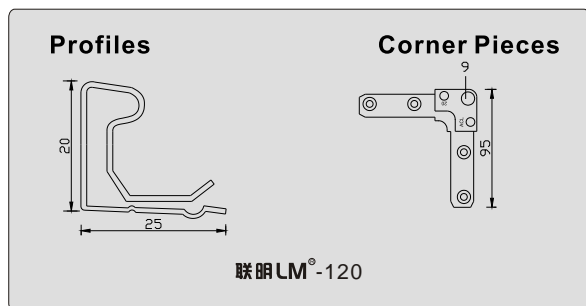


联明坪山冷氣制品廠有限公司

LUEN MING PENGSHAN AIR CONDITIONING FACTORY LIMITED



Product Details



Material Specification

Stainless Steel Flange Profiles

	gauge(mm)	weight(kg)
联明 LM°-120	0.7	0.40/m
联明 LM°-130	0.7	0.72/m

Corner Pieces / Clamps

	gauge(mm)	weight(kg)
联明 LM°-20	2.0	0.046
联明 LM°-30	3.0	0.106

Packing Details

Profiles

5000mm standard length

	bundles
联明 LM°-120	100m
联明 LM°-130	100m

Corner Pieces

联明 LM°-20 in boxes of 150
联明 LM°-30 in boxes of 150

Clamps

in boxes of 200

Gasket

in carton of 375m(25 rolls) 10mm(W) x 4mm(D) x 15m(L) (one roll)

Self-Adhesive Elastomeric Gasket Tape

"Am Tape" gasket tape is an excellent air-tight gasket for use in air-duct systems. It is made of fire-retarded nitrile rubber foam. With its 100% closed cell, elastic and highly flexible properties. Service temperature range -40°C to +85°C. We recommend the use of the appropriate gasket to ensure performance in accordance with DW/TM1 test results.

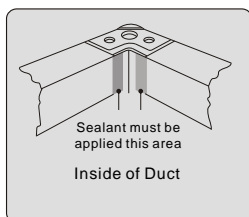
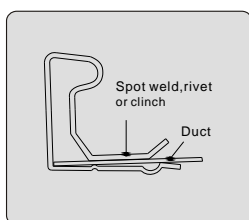
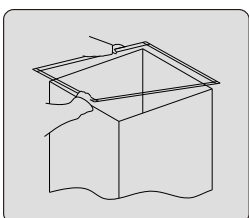
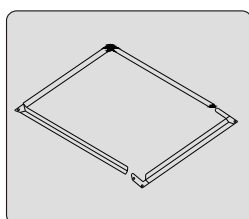
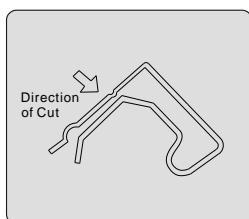
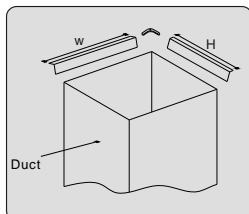


聯明坪山冷氣製品廠有限公司

LUEN MING PENGSHAN AIR CONDITIONING FACTORY LIMITED



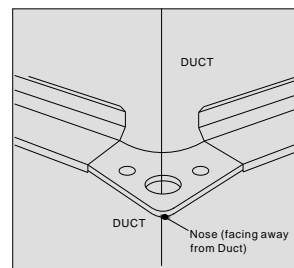
FABRICATION



Cut two lengths of profile to suit the duct width less 28 (W), and two lengths to suit the duct height less 28 (H). Note: outside dimensions of the duct are to be used, not internal.

For best results use a circular cut off saw with pneumatic vice. If any burring has occurred during the cutting of the flange, this must be removed before assembly.

Insert four corners into the flange form a rectangle frame as shown. Care must be taken to ensure the legs of the corners are fully inserted into the flange, the 'nose' on the corner faces away from the duct on which the frame is to be fitted. To comply with DW/144 corner pieces should be fixed into the flange. This can be done with a press tool. The cutting of the flange, this must be removed before assembly.



The frame is now ready to be fitted to the duct. Starting in one corner, the frame should be firmly tapped home by working away from this corner. On larger ducts a straight edge can be used to ensure the frame is on 'flat'.

The frame can be attached to the duct by various methods, spot welding, rivet or clinch. Spacing for fastenings to be as DW/144 table 5. A fixing at a maximum of 50 mm from each corner is recommended, this will give additional strength during the installation.

Any burrs caused during the drilling for fixings should be removed from all surfaces before finally fixing the frame to the duct. Sealant should be applied if any method of fixing pierces the duct.

When the frame is securely fixed, a fillet of mastic needs to be run along the cut end of the flange on the inside of the duct.