

TECHNICAL SPECIFICATIONS

UNIFLY 27 (Cod. UF-27)	Unify Base Module - 27 cm. centre to centre. Dimensions: 300x50x100 mm. (lxdxh). For joining to another Unify 27 or Unify 55 module. Supplied with a set of components comprising: Outline V338 steel pin, 3 M20 h 16mm. nuts, 2 f 21mm. (int.) 5mm. thick spring washers, 1 f 21 mm. (int.) 3.5 mm. thick washer.
UNIFLY 55 (Cod. UF-55)	Unify Base Module - 55 cm. centre to centre. Dimensions: 600x50x100 mm. (lxdxh). For joining to another Unify 27 or Unify 55 module: supplied with the set described in the Unify 27.
TRUSS END (Cod. UF-TE)	End component of the Unify Base Module - Completes the ends of a bar made up of one or more Basic Modules. The "Truss End" set comprises: an Outline V338 steel pin, 1 end bush for Outline V 323 header modules, 3 M20 nuts (h 16mm.), 2 f 21mm. (int.) 5 mm. thick spring washers, 1 f 21mm. (int.) 3.5 mm thick washer.
Quick Hinge (Cod. UF-QH)	Outline quick hinge. To use for joining two Outline enclosures quickly using the Outline "Fast Hanger" flying system. Dimensions: 50x18x39.5 mm. (lxdxh).
Quick Shackle Hinge (Cod. UF-QSH)	Outline quick hinge with M10 35x67mm straight shackle. Allows to join two Outline enclosures using the Outline "Fast Hanger" flying system and have a common flying point. Dimensions (with shackle): 50x56x92 mm. (lxdxh).
Quick Steel Link (Cod. UF-QSL)	Link ring: used on the side flying points of the Outline cabinets - enable to give a 5° inclination for each link fitted. Dimensions: 30x7x66 mm. (lxdxh).
Steel Carabiner (Cod. UF-SC)	Carabiner with spring closure and screw lock. Dimensions: 56x120x10 mm. (lxdxh).
Eye Nut 20 (Cod. UF-EN20)	Female eye-bolt M20 (DIN 582). Used to terminate the upper part of the Outline V338 pin and thus have a direct flying point without using the "Shackle Mount" accessory. Dimensions: 74x72x40 mm. (lxdxh).
Shackle Mount (Cod. UF-SM)	Sliding Outline hook. Fitted at the centre of a bar made up of several Unify modules. Gives a sliding flying point for easily finding the Cluster's centre of gravity. Dimensions: 63x40x220 mm. (lxdxh).



APPLICATIONS

With the Unify system it's possible to form flying hardware set-ups for speaker Clusters in a very short time, and at a very low cost compared with other existing systems, with a versatility which enables it to be used with all speakers models that rental firms could have. A UNIFLY 55 bar can be used to fly a "column" of enclosures from the two outside pins and use the third middle pin as the bottom flying point, to pull back the enclosures, giving them the appropriate inclination on the vertical plane. The UNIFLY 27 bar can be used to fly smaller enclosures or to space two UNIFLY 55 bars. This solution is ideal in the event of the two columns of boxes hung from the two UNIFLY 55 having to be inclined both horizontally and vertically in relation to each other.

To obtain the vertical inclination, since the two columns must be "pulled" back, it's necessary to prevent the bottom enclosures from touching each other and hindering this operation: a UNIFLY 27 bar gives the correct spacing.

The "Shackle Mount" is a sliding hook, available among the Unify system accessories which, when fitted on a UNIFLY bar, enables the system's centre of gravity to be easily found. Among the other accessories, the "Quick Hinge" and "Quick Shackle Hinge", allow to make the very most of the advantages offered by Outline's "Fast Hanger" system, fitted as standard on the enclosures intended for "Live" applications. The Quick Hinge is a hinge used to rapidly connect two Outline enclosures, such as for example Tripla, Integra, etc., using two "Fast Hanger" flying points. This accessory, although keeping the two boxes close together, nevertheless enables the "Shower Cap" protective covers to still be used (these are available as optional for Tripla, Doppia and Victor Live enclosures). The Quick Shackle Hinge, a variation of the Quick Hinge, includes an M10 straight shackles with which it's possible to obtain a flying point in common between two enclosures. The typical application of this accessory is to fit it between the rear Fast Hanger of two Outline enclosures one above another: the shackle is used as a "pulling" point to give the required inclination to the column on the vertical plane. The Quick Shackle Hinge can also be used, between the top Fast Hangers of two Outline enclosures, to have a flying point in common. When forming clusters with several enclosures one above the other, an inclination is normally applied between the enclosures to minimize comb-filter effects on the vertical plane: with the "Quick Steel Link" accessory, which is a junction link, it's possible to incline two Tripla or Doppia enclosures one above the other by exactly 5°: all that's necessary is to fit it between the two front Fast Hanger points of the two boxes.

Each link added increases the angle by 5°.

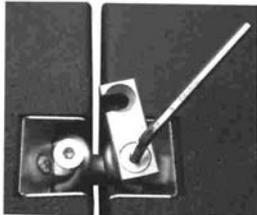
DESCRIPTION



Unifly 27



Unifly 55



Quick Hinge



Quick Shackle Hinge



Shackle Mount

Outline's "Unifly" is a Universal Modular Flying System for loudspeaker clusters which allows groups of enclosures of any type and brand to be flown from permanent or mobile structures.

The Unifly system, with all its components and accessories, has been tested with load and breaking tests and is supplied with the relative certificates and reports.

The main component of the Unifly system is a steel bar with a rectangular cross-section, available in two lengths (27.5 and 55 cm., called Unifly 27 and Unifly 55 respectively), at either end of which there are two bushes, whose positions are inverted in relation to each other, enabling several modules to be linked.

Once they are side by side, the two bars are joined using a steel pin (Outline V338) and a series of nuts and washers.

The "Truss End" kit (Cod. UF-TE) is used precisely to close one end of a bar and comprises an end bush, a V388 pin, the necessary washers and nuts, and a female M20 Eye-bolt (nut with ring) which is used as the point for flying the system from the structure (trussing, etc.).

In the top part of each V338 pin, instead of the nut, an M20 eye-bolt can be fitted to have other flying points.

The UNIFLY 55 bar is also equipped with a central hole in which a third Outline V338 pin can be mounted: this can be used either as a third upper flying point, or as a bottom flying point for the enclosures (for example the rear one to incline them on the vertical plane).

Once they've been united with the V338 joint pin, the bushes of the two modules allow the two UNIFLY bars to rotate freely up to an angle of 90° in both sides (therefore +/-90°) and thus allow to assemble "Fly-Bars" which can be curved, rectangular or have other geometrical shapes.

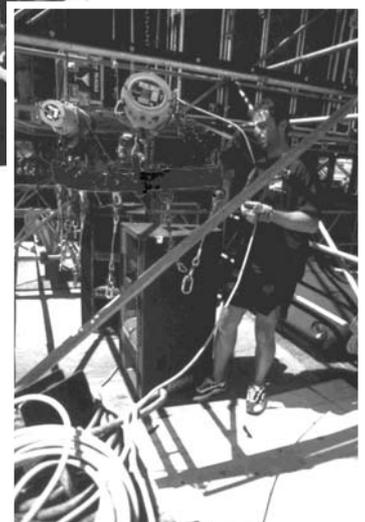
Precise adjustment of the angle between two bars is very easy: there's a goniometer printed on each bush, so just turn one of the two bars until the reference notch (on both sides of every bar) reaches the required angle.

To further facilitate this procedure and make it extremely precise, an exclusive ball movement system, fitted in each bush on the terminals of each Unifly bar, divides movement into inclination steps of 7.5°.

Once the required angle is reached, the two due bars are definitively blocked by screwing the three threaded "dowels" on each bush (a total of six) and locking the V388 pin.

Accessories supplied as standard with each module (both UNIFLY 27 and UNIFLY 55 models) enable it to be linked to the next one.

The Unifly system is completed by various accessories ("Shackle Mount", "Quick Hinge" and "Quick Shackle Hinge").



hardware

Unifly

outline

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