Chapman&Bailey

Fine Art Stretchers
Conservation Framing
Contemporary Art Space
Fine Art Materials
Contemporary Fine Furniture
Professional Artwork Installation Service

EVOLUTION: New system for aluminium stretchers

EVOLUTION New System for Aluminium Stretchers

// CHARACTERISTICS

> Aluminium Stretcher

It is a new and easy system with high mechanical performances. The structure is made up by two different parts:

_ STRETCHER, **fixed** supporting structure;

_ MOVING PART, stretching element, set on the perimeter.

The canvas tensioning is easy and precise. The final dimension of the stretcher slightly increases, only the half compared to other systems.

// ADVANTAGES

_ no torsion/warping issues;

_ the aluminium profile of the fixed supporting structure can be doubled and extended for very big sizes, without any kind of accessory;

_ bars, crosses or diagonals can be inserted even after the assembling of the stretcher;

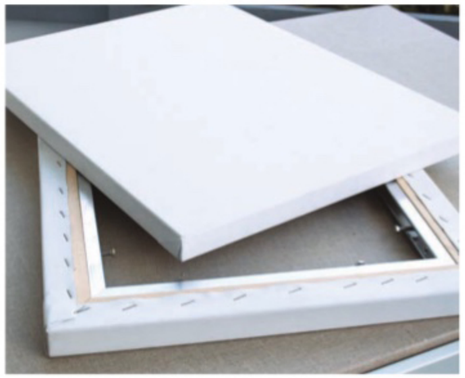
_ one connector is used for the corner of the stretcher, of the bar and of the cross. A different connector (45°) is used for the diagonals;

_ the applying of the four diagonals improves the mechanical performances. It allows the saving of more material compared to the crosses system and also to re-use the leftover short strips;

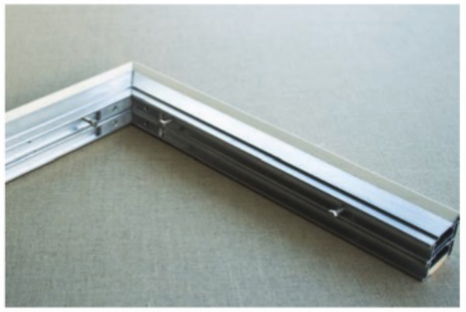
_ canvas can be traditionally fixed with staples, or even without;

_ Evolution can be used for many different applications, including restoration.

> EVOLUTION IS LIGHT AND ELEGANT, VERSATILE AND RELIABLE. IT COMBINES SIMPLICITY TOGETHER WITH REMARKABLE TECHNICAL CHARACTERISTICS.



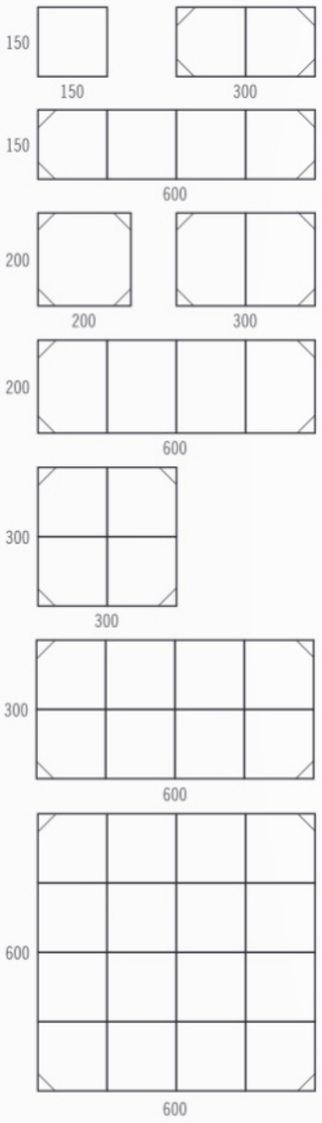
telaio singolo
basic stretcher



telaio doppio
double stretcher

particolare giunzione diagonale e traversa
detail of the connection of diagonal and bar

// Some examples of frame.



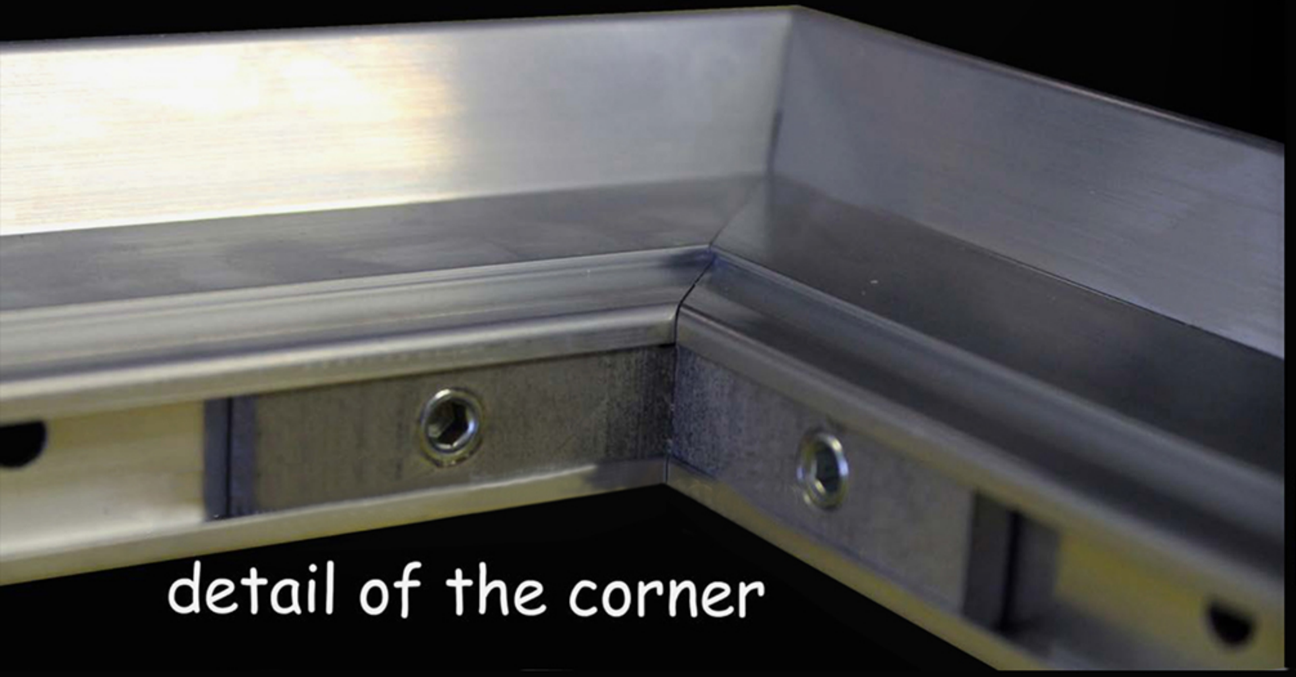
// Different solutions.	// Strips	// Bars	// Connectors 90°	T/C	45°	// Screws
	6		4/8*			12
basic stretcher	9	3,3	4/8*	2	8	16
double stretcher	15	6,3	12	6	8	24
	8	1,8	4/8*		8	12
basic stretcher	10	3,8	4/8*	2	8	16
double stretcher	16	7,8	12	6	8	24
basic stretcher	12	7,8	4/8*	6	8	20
double stretcher	18	16,8	12	14	8	28
double stretcher	24	37,8	12	30	8	36

* Extra connector to reinforce.

// Cod.	// Profiles Section	// Use	// Cod.	// Complements	// Use
97201	20x50 mm	Bars, crosses, diagonals	97001	Connector	Only for the perimetral corners
97211	26x52 mm	Basic stretcher	97011	Universal connector	For every 90° corner
97221	40x52 mm	Medium stretcher	97021	45° Connector	For the diagonals corner
97231	50x52 mm	Double stretcher	97100	Tensioning screw	For every kind of stretcher

AVAILABLE PROFILES:

52x27 mm
52x40 mm
52x50 mm



detail of the corner

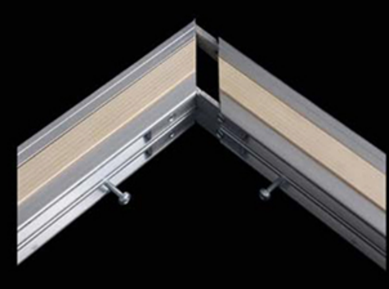
UNIVERSAL CONNECTOR FOR EVERY 90° CORNER

HOW TO USE THE CONNECTOR:

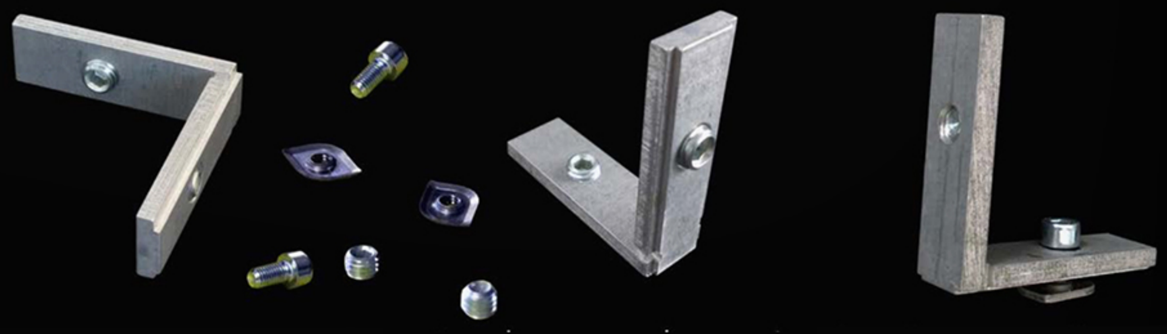
single

double for more strength

triple for the double profile



HOW TO FIX BARS AND CROSSES



Connector with two set screws, to be inserted while assembling the stretcher

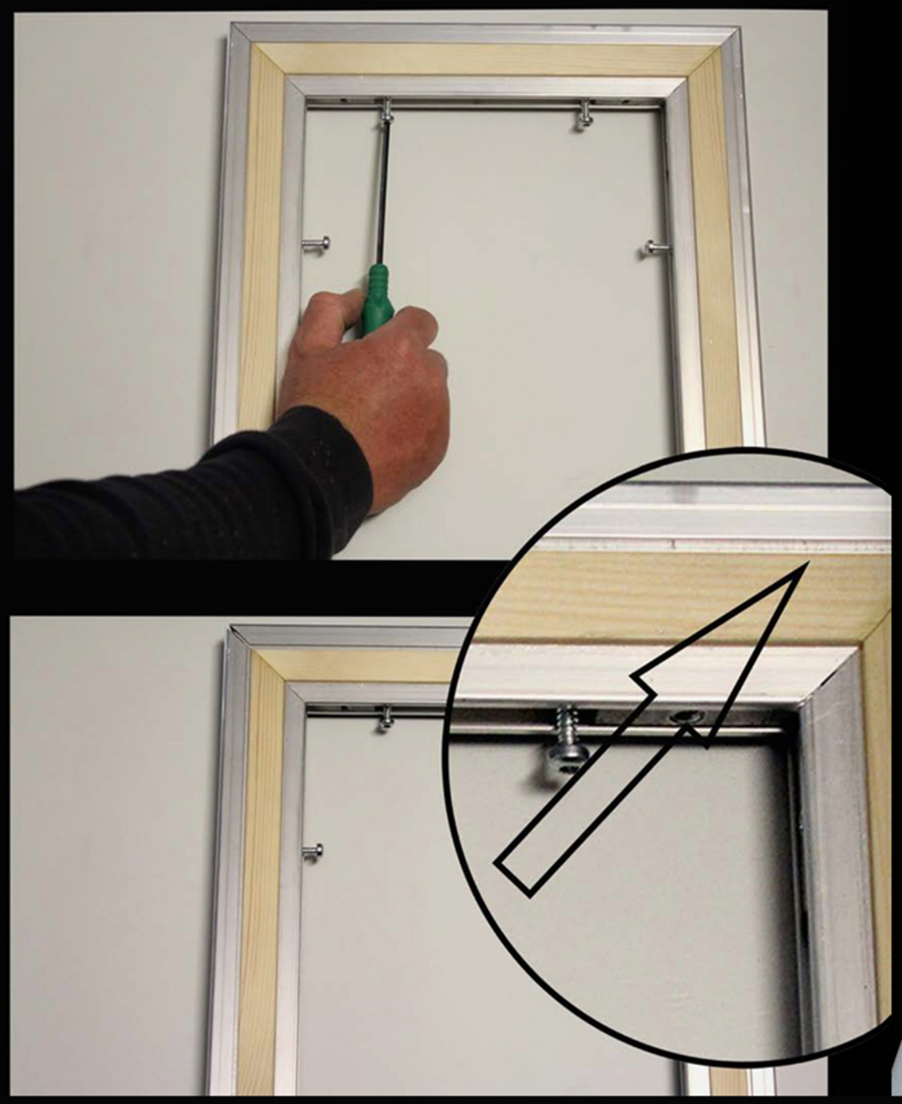
Connector with two set screws, hidden in the bar, to be inserted while assembling the stretcher

Connector with a screw and an olive shaped nut, to insert bars/crosses after having set the stretcher

135° CONNECTOR FOR THE DIAGONALS

POSSIBLE WAYS OF INSERTING DIAGONALS AFTER OR DURING THE ASSEMBLING OF THE STRETCHER

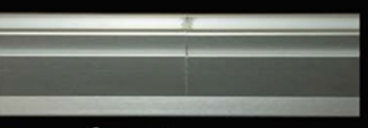
HOW TO STRETCH THE CANVAS



By turning the screws (pic.1), you can expand the stretcher (pic.2) and therefore tension the canvas.

HOW TO FIX THE CANVAS WITHOUT STAPLES

DIFFERENT WAYS TO EXPAND/JOIN THE BARS USING LEFTOVER STRIPS

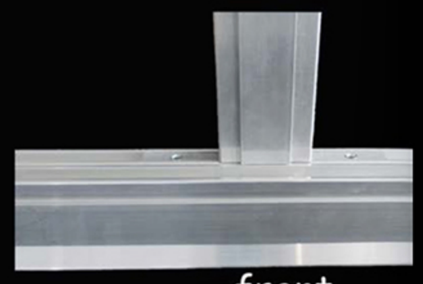


fronte

retro

Section
52x27 - 52x40

Section 52x27 - 52x40
with addition of the bar

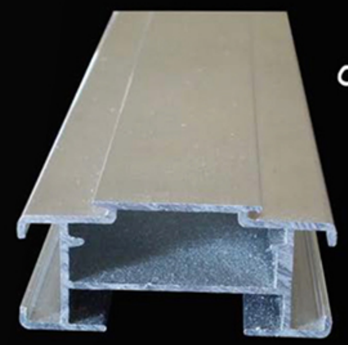


front

back

Section
52x50

PROFILES



cod. 97201 50x21 mm

Bars-Crosses-Diagonals

cod. 97211 52x27 mm

Basic stretcher

cod. 97221 52x40 mm

Medium stretcher

cod. 97231 52X50 mm

Double stretcher

COMPLEMENTS

cod. 97011

Universal connector - For every 90° corner

cod. 97021

135° connector - Only for the corner of the diagonals

cod. 97105

Set screw 8x6 - For every connector

cod. 97100

Tensioning screw - For every profile section

COMPLEMENTS

cod. 97110

Screw TCCE 5x10

cod. 97120

Olive shaped nut M5

Connector fixing system to add bars/crosses after having assembled the stretcher

cod. 97130

PVC gasket d. 6,5
To fix the canvas without staples

cod. 97200

Universal screwdriver - For every screw

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