RAIMONDI
SINCE 1974 INNOVATIONS FOR
THE TILE SETTING PROFESSIONAL

TOOLS FOR FAÇADES

TOOLS FOR FAÇADES

Line of products for the application of the porcelain or natural stones tiles/slabs in the façades.
The RAI-FIX Safety withholding hook provides a simple and effective solution to prevent the fall of the tiles (applied with adhesive) in case of detachment from the wall.
Polystycut is a hot wire cutter for polystyrene foam insulation boards, a material that lends itself very well to the creation of insulating panels and building coats, thanks to its thermal insulation function.
Slot allow you to make the necessary work to install slabs and tiles with ventilated façade systems di-rectly on the building site.
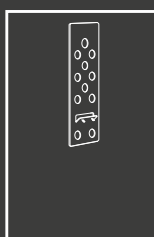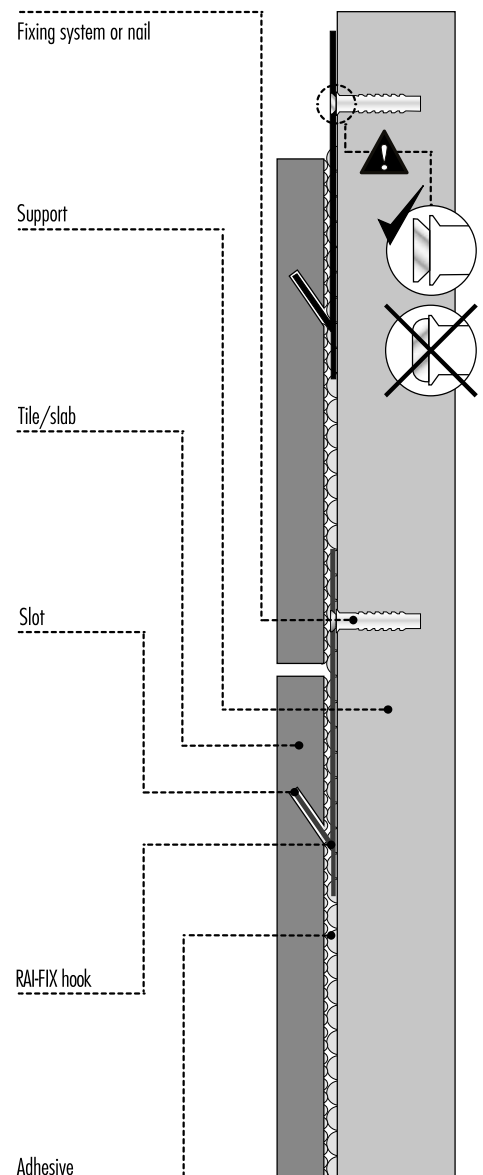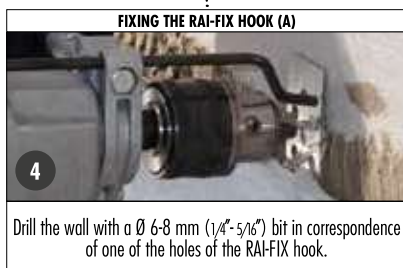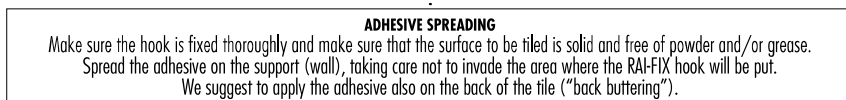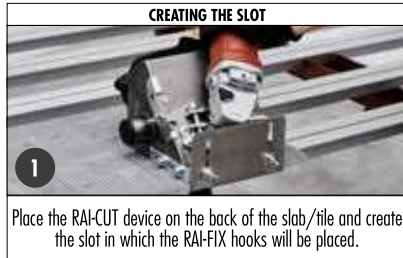
WHAT IS RAI-FIX SYSTEM

- The safety withholding hook RAI-FIX is a simple and effective device that prevents the tile/slab (set with adhesive) to fall down in the event of detachment from the wall.
- When installing tiles/slabs bigger that 30 cm - 12"- (being them in ceramic, porcelain or natural stone) in façade with adhesive, it is required to use a mechanical safety system which prevents the tile / slab to fall down in the event of detachment of the adhesive.*
- Indeed adhesives guarantee perfect anchorage of the tile/slab only if perfectly applied. But this is not always the case. In addition to that, it is hard to predict the strains the tile/slab will have to bear because of building's settlement as well as expansion for temperature range, extreme weather conditions, earthquake and so on…
- Therefore, the safety withholding hook RAI-FIX is a crucial ally of the architect/designer (and of course of the buyer) to assure the maximum safety. In addition to that RAI-FIX expands the design possibilities since tiles and slabs of any size can be now used.
- Aesthetically speaking, RAI-FIX is the perfect solution since it is completely invisible once the façade is done. In fact RAI-FIX has to be placed between the tile / slab and the wall and therefore it is 100% hidden.
- The safety withholding hook RAI-FIX is made of stainless steel and can be used with tiles / slabs of minimum thickness 5 mm (3/16").
- Size of the RAI-FIX hook: 40x120 mm; number of holes: 11.
- The RAI-FIX hooks are inserted in the incisions made on the back of the tiles/slabs through of a special toothed "wing" (in the models 8 and 6 mm): The " wing " is realized so that it can not be deployed under the weight of the slab. The teeth prevent the RAI-FIX hook from pulling out of the incision during the laying of the tile/slab in addition to guaranteeing a better mechanical anchorage to the slab even when installed
- The installation is very simple and is carried out directly on the jobsite in a few seconds.

Regulations may vary from Country to Country. Therefore it is necessary to refer to the legislation in force in the area where the building /jobsite rises.

HOW TO USE IT

CREATING THE SLOT

1 Place the RAI-CUT device on the back of the slab/tile and create the slot in which the RAI-FIX hooks will be placed.

RAI-FIX 6 & 8 mm

2 Remove from the hook eventual traces of oil or grease. Insert the 6 or 8 mm RAI-FIX safety hook.

RAI-FIX 5 mm

2a Remove from the hook eventual traces of oil or grease. Before inserting the hook RAI-FIX 5 mm, fill the incision with adhesive sealant-MS polymer, without exceeding in quantity. Insert the hook.

2b

ADHESIVE SPREADING
Make sure the hook is fixed thoroughly and make sure that the surface to be tiled is solid and free of powder and/or grease. Spread the adhesive on the support (wall), taking care not to invade the area where the RAI-FIX hook will be put. We suggest to apply the adhesive also on the back of the tile ("back buttering").

FIXING THE RAI-FIX HOOK (A)

4 Drill the wall with a Ø 6-8 mm (1/4"-5/16") bit in correspondence of one of the holes of the RAI-FIX hook.

FIXING THE RAI-FIX HOOK (B)

5 Insert the anchor through the special hole in the RAI-FIX hook. Fix the RAI-FIX hook by mean of the anchor screw. Alternatively use a nailer.

Fixing system or nail

Support

Tile/slab

Slot

RAI-FIX hook

Adhesive

INDICATIVE CONSUMPTION

- The suggested consumption is purely indicative.
- In any case it is the designer's task to determine the number of hooks per tile/slabs according to the regulations in force and the specific variables of the each jobsite, including consistency of the substrate and type of anchors used.

		MAX						PIECES PER TILE	
		RAI-FIX 5 mm **with** MS polymer adhesive		RAI-FIX 6 mm **without** MS polymer adhesive		RAI-FIX 8 mm **without** MS polymer adhesive			
0 < x ≤ 60 cm	0 "< x ≤ 24"	33 Kg*	72 lbs*	45 Kg*	99 lbs*	37 Kg*	81 lbs*	1	
60 < x ≤ 200 cm	24" < x ≤ 79"	66 Kg*	145 lbs*	90 Kg*	198 lbs*	74 Kg*	163 lbs*	2	
200 < x ≤ 320 cm	79" < x ≤ 126"	99 Kg*	218 lbs*	135 Kg*	297 lbs*	111 Kg*	244 lbs*	3	

Conservatively, in the tables it has been considered halved loads for 6 and 8 mm hooks and equal to 25% loads for 5 mm hooks compared to the maximum potential measured by the laboratory.
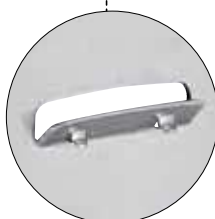
MADE IN ITALY

You Tube canale channel raimondispa

PATENTED

179CCT125

299

299C120
299C500

2996MM120
2996MM500

2995MM120
2995MM500

Angle grinder not included.

299PFLEXUN

PACKAGE

CARTON BOX

TOOLS FOR FAÇADES

RAI-FIX 8 mm (5/16") - SAFETY WITHHOLDING HOOK
- RAI-FIX hook for tiles and slabs of minimum thickness 8 mm (5/16").
- Made in premium quality stainless steel.
- With holes for inserting the anchor screw.

Part No.			Description		Pcs per box	packaging				
299	8024648075604	1	RAI-FIX 8 mm (0.31")	tile thickness minimum 8 mm (0.31")	70	blister	24x18xh 5 cm	9 1/2"x7"xh 2"	1,2 Kg	2.6 lbs
299C120	8024648076267	1	RAI-FIX 8 mm (0.31")		120	Box	27x15xh 10 cm	10 1/2"x6"xh 4"	2,1 Kg	4.6 lbs
299C500	8024648078230	1	RAI-FIX 8 mm (0.31")		500	Box	33x23xh 17 cm	13"x9"xh 7"	9 Kg	19.8 lbs

RAI-FIX 6 mm (1/4") - SAFETY WITHHOLDING HOOK
- RAI-FIX hook for tiles and slabs with thickness lower than 8 mm (0.31"), min 6 mm (0.24").
- Made in premium quality stainless steel.
- With holes for inserting the anchor screw.

Part No.			Description		Pcs per box	packaging				
2996MM120	8024648081582	1	RAI-FIX 6 mm (0.24")	tile thickness min 6 mm (0.24")	120	Box	27x15xh 10 cm	10 1/2"x6"xh 4"	2,1 Kg	4.6 lbs
2996MM500	8024648081681	1	RAI-FIX 6 mm (0.24")		500	Box	33x23xh 17 cm	13"x9"xh 7"	9,3 Kg	20.5 lbs

RAI-FIX 5 mm (3/16") - SAFETY WITHHOLDING HOOK
- RAI-FIX hook for tiles and slabs with thickness lower than 6 mm (0.24"), min 5 mm (0.20").
- Made in premium quality stainless steel.
- With holes for inserting the anchor screw.

Part No.			Description		Pcs per box	packaging				
2995MM120	8050532002906	1	RAI-FIX 5 mm (0.20")	tile thickness min 5 mm (0.20")	120	Box	27x15xh 10 cm	10 1/2"x6"xh 4"	2,1 Kg	4.6 lbs
2995MM500	8050532002913	1	RAI-FIX 5 mm (0.20")		500	Box	33x23xh 17 cm	13"x9"xh 7"	8,6 Kg	18.9 lbs

RAI-CUT
- The RAI-CUT device is part of the RAI-FIX system and it is fundamental to create the slot in the back of the tile/slab. Slot where to insert the RAI-FIX hook.
- RAI-CUT works on tiles/slabs with min thickness of 5 mm (0.20").
- RAI-CUT is made of stainless steel and it is provided with clutch hole for connecting a vacuum dust extractor (Ø 38 mm - 1 1/2").
- RAI-CUT is supplied without angle grinder.
- Thanks to its semi-universal attachment, RAI-CUT is compatible with the most popular brands and models of angle grinders.
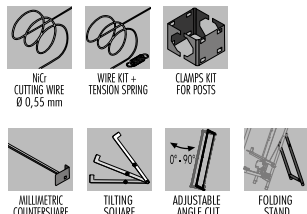- RAI-CUT cuts dry with diamond disc Ø 125 mm (5").

Part No.			Description			
299PFLEX UN	8024648087621	1	RAI-CUT without angle grinder	40x40xh 15 cm	15 3/4"x15 3/4"xh 6"	2,2 Kg	4.9 lbs
179CCT125	8024648075703	1	Ø 125 mm (5") diamond disc (dry cut)	–	–	–	–

POLYSTYCUT - HOT WIRE CUTTER FOR POLYSTYRENE FOAM INSULATION BOARDS

CE

1 year WARRANTY

MADE IN ITALY

NEW

TECHNICAL CHARACTERISTICS

NiCr CUTTING WIRE Ø 0,55 mm

WIRE KIT + TENSION SPRING

CLAMPS KIT FOR POSTS

MILLIMETRIC COUNTERSUARE

TILTING SQUARE

ADJUSTABLE ANGLE CUT 0°-90°

FOLDING STAND

PACKAGE

CARTON BOX

- Hot wire cutter for polystyrene foam insulation boards;
- Coated metal frame;
- Anti-slip feet for great stability both onto walls and on the ground;
- Equipped with folding stand with great stability;
- Tilting square with wide support for optimal panel stability;
- Counter square for repetitive cuts equipped with metric / imperial ruler, which can also be used as an additional support for cutting large panels;
- Cutting handle sliding onto ball rails in galvanized steel;
- Cutting handle with adjustable angle (0° to 90°) for diagonal cuts;
- Cutting handle with travel indicator to make notches / grooves at the desired depth;
- Quick wire warming: less than 6 seconds from switching it on;
- Cutting handle with travel stop to prevent accidental damages to the machine and to ensure high operator safety;

- The Counter square could be positioned at 2 different levels to cut small panels, as well, with maximum ergonomics;
- Clamp kit to attach the foam cutter to vertical or horizontal posts;
- Maximum cutting thickness 25 cm, maximum cutting height 120 cm;
- Class II device;
- NiCr cutting wire Ø 0.55mm;
- Dimensions and weight for transportation and storage: 35x12x160 cm; 15.5kg;
- Packaging dimensions and weight: 40x15x171 cm; 17 kg;
- Accessories included: clamps kit for posts, stand for free placement, dual function counter square equipped with metric / imperial ruler, wire kit Ø 0.55 mm + tension spring and additional tensioner, strap for holding the stand during transportation;
- Power supply: 230V 50 / 60Hz. 35V / 160VA transformer.

MODELS, SPECIFICATIONS, DIMENSIONS, WEIGHT

Part No.					
194TC EU	8050532023451	1	230 V 50/60 Hz	Single-phase	230/35 V 50/60 Hz

SPECIFICATIONS AND DIMENSIONS

Model	BOARD MAX THICKNESS		BOARD MAX HEIGHT		BOARD MAX LENGTH						
POLYSTYCUT	250 mm	10"	1200 mm	47 1/4"	∞	65x90xh 165 cm	25 19/32" x 35 7/16"xh 65"	15,5 Kg	34.2 lbs	40x15xh 171 cm	15 3/4"x6"x67 1/3"	17 Kg	37.5 lbs

90°

45°

TOOLS FOR FAÇADES
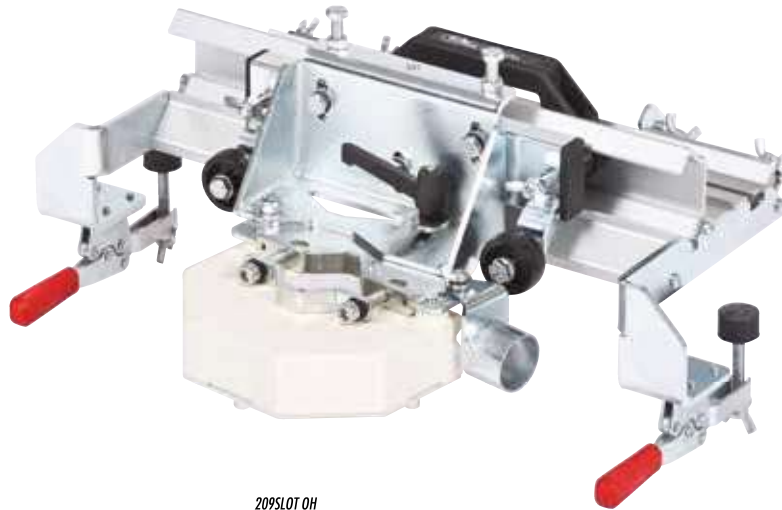
209SLOT OH
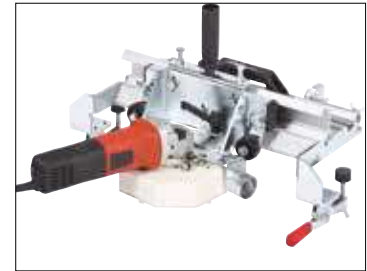
Angle grinder not included
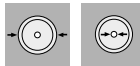
AVAILABLE BLADES

CONTINUAL
CROWN DISC

ACCESSORIES

SQUARES KIT + TILE HOLDERS

TECHNICAL CHARACTERISTICS

Ø 150mm   Ø 22mm

PACKAGE

CARTON
BOX

- To create slots/incisions on the side of tiles, porcelain slabs, marble, granite, natural stone, etc.
- Tile thickness: maximum 30 mm (1 3/16"); minimum 20 mm (13/16").
- It works on tiles of any size.
- Maximum incision/slot length: 130 mm (5 1/8").
- Maximum slot depth: 15 mm (5/8").
- Dry cut.
- Diamond disc Ø 150 mm (6").
- Provided with clutch hole for dust extraction.

- Slot has to operate on a bench/table. The modular bench BM180 MkII (Art. 394MA RAI) is recommended.
- Available without angle grinder.
- Equipped with semi-universal attachment: compatible with angle grinders of the most popular brand.
- Accessories: squares kit + 2 stand-alone tile holders (applicable only on the modular bench BM180 MkII and previous versions).
- Supplied with manual use and maintenance, keys kit and diamond disc Ø 150 mm (6").

MODELS, SPECIFICATIONS, DIMENSIONS, WEIGHT

Part No.		Description								
209SLOT OH	8024648092984	Slot supplied without angle grinder	Ø 150 mm	6"	6,7 Kg	14.8 lbs	49x39xh 25 cm	19"x15 1/3"xh 10"	7,6 Kg	16.8 lbs

PERFORMANCE

Model			MAXIMUM TILE THICKNESS		MINIMUM TILE THICKNESS		MAXIMUM INCISION/SLOT LENGHT		INCISION DEPTH		MAX TILE LENGHT	MAX TILE WIDTH
SLOT	150 mm	6"	30 mm	1 3/16"	20 mm	13/16"	130 mm	5 1/8"	15 mm	5/8"	∞	∞

TOOLS FOR FAÇADES

394MA RAI

394BLOPIACP

179CC150SE

209KIT

ACCESSORIES AND RELATED PRODUCTS

Part No.		Description
394MA RAI	8050532000995	BM180 MkII Modular bench (worktop dimensions 180x90 cm – 3'x6'; max load 150 Kg – 331 lbs)
209KIT	8024648093523	Squares kit + 2 stand-alone tile holders for BM180 MkII (and previous versions)
394BLOPIACP	8024648096678	Stand-alone tile holder for BM180 MkII (and previous versions) – pair
179CC150SE	8024648087171	Continuous rim diamond disc Ø 150 mm (6") – dry use

RAIMONDI