



# Triade Mini

WOOD  
AND  
GLASS  
SHELVING  
SYSTEMS





# SYMBOLS AND FINISHES LEGEND

## SYMBOLS



= SHELF SAFELY LOCKED DURING TRANSPORTATION AND AT HOME.



= ANTI-TURNOVER LOCKING SYSTEM



= NORMS / PATENTS



= PHILLIPS / POZIDRIV



= WITH BUFFER



= PART NO.



= BLADE SLOT



= WITH MAGNET



= PCS. PER PACKAGE



= COMBI SLOT



= NEWTON



= CAPACITY LOADING



= HEXALOBULAR SOCKET



= FRICTION



= WOOD / GLASS THICKNESS



= COUNTERSUNK HEAD



= AUTOMATIC



= HOLE DIAMETER



= PAN HEAD



= DROP DOWN



= DIAMETER



= FLANGE HEAD



= STANDARD HINGE



= LENGTH



= FLAT HEAD



= KIMANA HINGE



= HEIGHT



= TRILOBULAR SCREW



= FLAP HINGE



= RIGHT VERSION



= SELF-TAPPING SCREW



= WITH SPRING



= LEFT VERSION



= EURO THREAD



= WITHOUT SPRING



= SETTING CODE



= METRIC THREAD



= REVERSED SPRING



= PCS. PER PAD



= PRE-INSERTED SCREW



= PRE-INSERTED SCREW AND SPREADING BUSH



= CUT ON REQUEST



= SELF ADHESIVE



= WITH FLANGE

NOTE: Printing errors and omissions may exist despite our best efforts to ensure accuracy. We reserve the right to alter specifications without notice.

## MATERIALS

<b>ZA</b> = Zinc Alloy	<b>ST</b> = Steel	<b>HSS</b> = High Speed Steel	<b>BR</b> = Brass	<b>ABS</b> = Acrylonitrile Butadiene Styrene
<b>ZAnk</b> = Nickel-plated Zinc Alloy	<b>STzk</b> = Zinc-plated Steel	<b>AL</b> = Aluminium	<b>WD</b> = Wood	<b>EVA</b> = Ethylene Vinyl Acetate

<b>EP</b> = <b>ENGINEERING PLASTIC</b>	+ <b>EP</b> = other engineering plastic available on request	<b>SR</b> = <b>SOFT RUBBER</b>	+ <b>SR</b> = other soft rubber available on request
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<b>EPn</b> = Natural Engineering Plastic	<b>EPc</b> = Clear Engineering Plastic	<b>SRn</b> = Natural Soft Rubber
<b>EPw</b> = White Engineering Plastic	<b>EPg</b> = Grey Engineering Plastic	<b>SRw</b> = White Soft Rubber
<b>EPwg</b> = Water Green Engineering Plastic	<b>EPa</b> = Anthracite Engineering Plastic	<b>SRb</b> = Black Soft Rubber



## FINISHES



+ OTHER FINISHES AVAILABLE ON REQUEST

PART NO.	FINISHES	PART NO.	FINISHES	PART NO.	FINISHES
00	Insignificant finish	IF	Middle Grey	RO	Red
AA	Natural	IJ	Light Grey	UT	T-Met 9007
AB	White	IL	Grey 20	UZ	T-Met
AE	White 9010	IN	Grey met. 26	WA	Bronzed
EA	Black	JB	Bright Aluminium	WI	Burnished
EC	Matt Black	JC	Aluminium - Chrome	XD	Satin-finished Steel
EE	Anthracite	JD	Matt Aluminium	YA	Nickel-plated
EW	Grey 9007	JE	Satin-finished Aluminium	YB	Bright Nickel-plated
FU	Gunmetal	JF	Aluminium - Brass	YC	Matt Nickel-plated
FV	Gunmetal V52	JG	Aluminium 5	YD	Satin-finished Nickel-plated
GR	Raw	JL	Aluminium PE 11	YQ	Black Nickel
HA	Brass-Plated	JM	Aluminium RAL 9006	Z9	Black Zinc
HH	Tropicalized	KA	Chrome	ZA	Zinc alloy
HL	Raw Brass	KB	Bright Chrome	ZN	Zinc-plated
HX	Graphite	KC	Matt Chrome	ZQ	Bright Gold
IA	Grey	LD	Brown 8019	ZY	Titanium
IB	Metallic Grey	NN	Metallic Beige	ZZ	Clear

## TRIADE MINI

TRIADE MINI is the concealed mounting bracket for shelves 25 mm thick. It has been conceived to simplify the shelf installation. It is provided with three independent adjustments:

- 1) VERTICAL: before installing the shelf, the mounting brackets can be adjusted in height and (vertically) aligned through the slots.
- 2) HORIZONTAL: while placing the shelf in position, the supporting pins can be slid horizontally.
- 3) INCLINATION: when the shelf is partially inserted, the shelf angle can be adjusted front to back by turning the supporting pins with a 12 mm open-ended wrench.

The capacity loading is 4,5 Kg each (shelf weight included) for a shelf max 200 mm deep.  
The minimum shelf depth required is 165 mm.

### ADDITIONAL BENEFITS DUE TO SECURITY LOCKING FEATURE

- Simple additional drilling.
- Small diameter hole in the shelf (only Ø3,5 mm).
- Multiple assembly and disassembly of the shelf.
- Suitable for all thicknesses.
- Tested on plywood, mdf and chipboard.

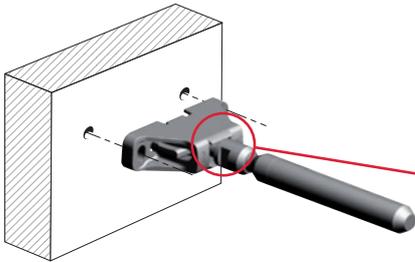
25 mm min. 

4,5 kg for each shelf support  
for shelf 200 mm deep 

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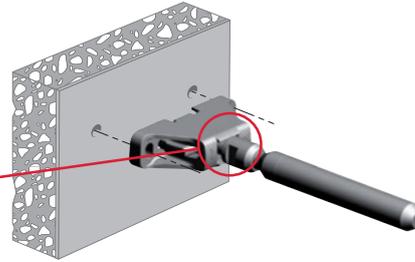
### INSTALLATION AND ADJUSTMENTS

#### WOOD PANEL



Recommended fixing pan head screw type - head Ø 5 mm max.

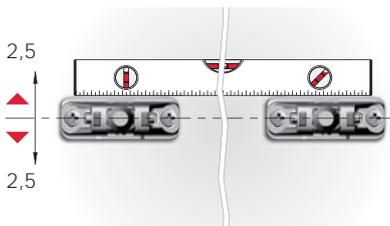
#### SOLID AND PLASTERBOARD PANEL



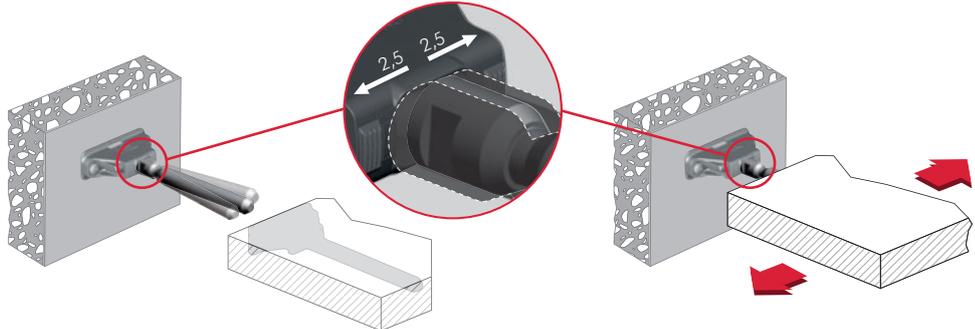
It is the responsibility of the customer:  
- to ensure the wall is of a suitable quality to hold the shelf fixing in place.  
- to use the proper hardware fittings according to the construction of the wall.  
For more specific information, please refer to the WARNINGS section at the end of the catalogue.

**VERY IMPORTANT**  
Triade Mini has to be installed with the arrow facing upwards.

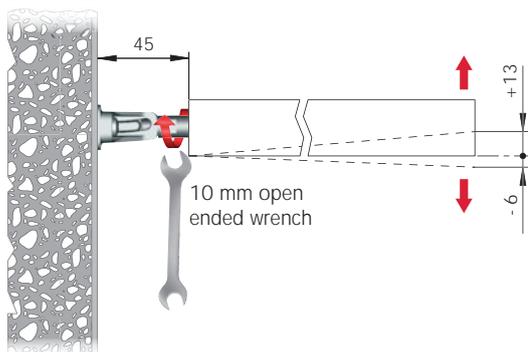
#### BRACKET ALIGNMENT



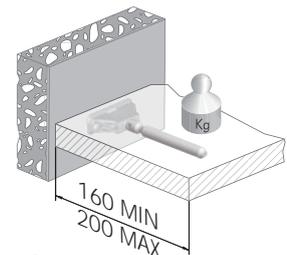
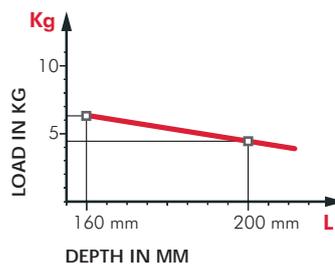
#### LATERAL ADJUSTMENT



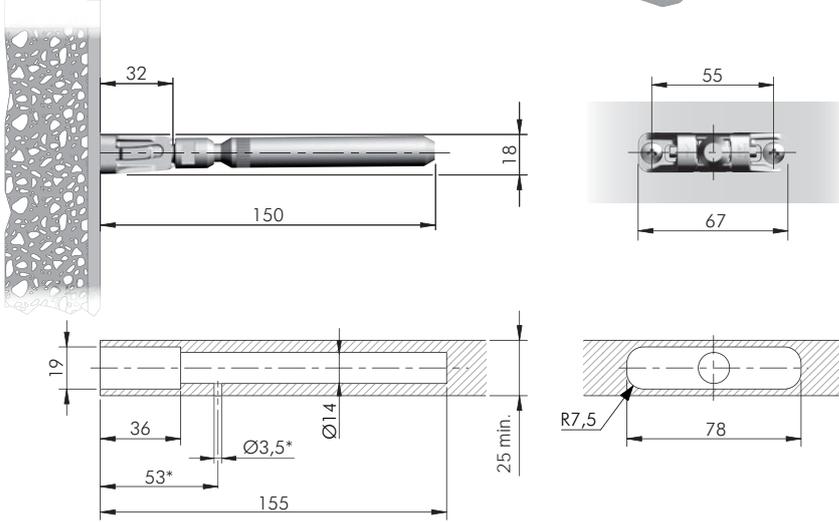
#### INCLINATION ADJUSTMENT



#### COMBINATION SHELF LOAD AND SHELF DEPTH (The figures refer to 1 shelf support)

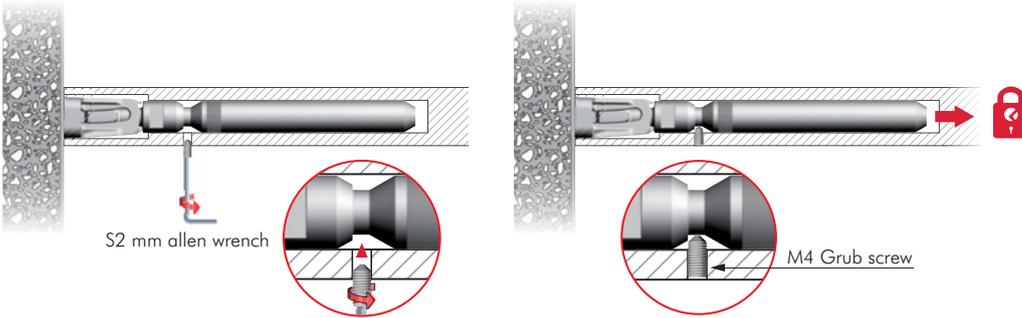
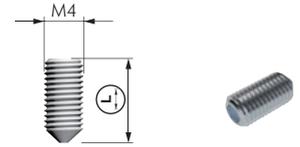


+ shelf weight = 4,5 kg  
MAX for each shelf support



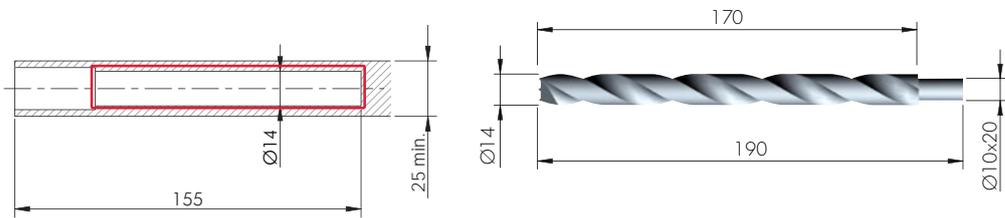
= PZ2	= open ended wrench 10 mm
ZA	ST
1 2 3	= 50 pcs.
<b>1621401000</b>	

\* Optional drilling for security locking with M4 grub screw placed underneath in alignment with the cavity.

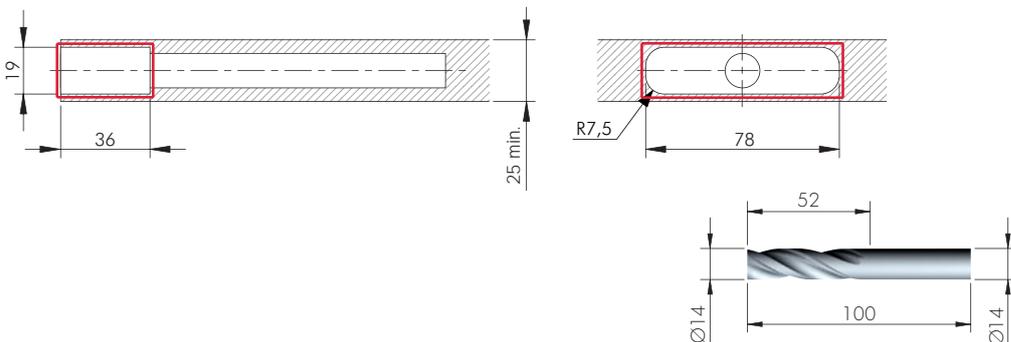


= S2 mm	= 100 pcs.	
ST		
1 2 3	8	25
<b>21105170ZN</b>		

## DRILL BIT FOR TRIADE MINI



HSS	= on request
1 2 3	
<b>1621452000</b>	



HSS	= on request
1 2 3	
<b>1621454000</b>	

## TRIADE MINI AND BRACKET

BRACKET FOR TRIADE MINI with pin Ø8 mm is a valid complement to the concealed shelf support Triade Mini for shelves 25 mm thick.

It is strongly recommended to be used in combination with the Triade Mini for shelves over 200 mm deep, in order to improve the shelf support capacity loading, by evenly distributing the shelf load on the wall through a pin.

The Ø8mm pin allows to reduce the load taken by the two fixing screws.

The capacity loading is 10 Kg each (shelf weight included) for a shelf max 300 mm deep.

25 mm min. 

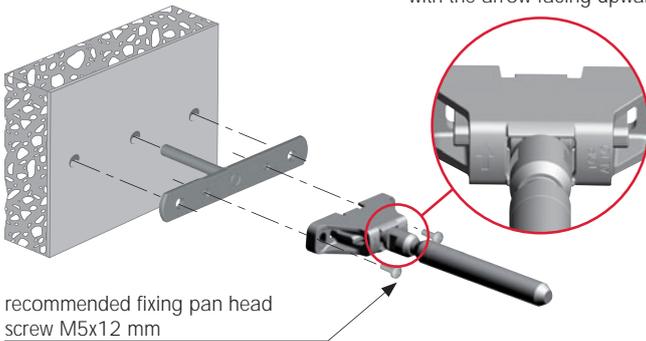
10 kg for each shelf support  
for shelf 300 mm deep 

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### INSTALLATION

#### SOLID AND PLASTERBOARD PANEL

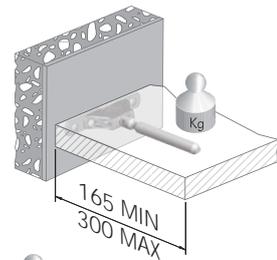
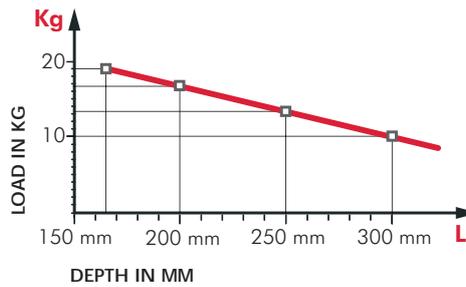
**VERY IMPORTANT**  
Triade Mini has to be installed  
with the arrow facing upwards.



recommended fixing pan head  
screw M5x12 mm

#### COMBINATION SHELF LOAD AND SHELF DEPTH

(The figures refer to 1 shelf support)



+ shelf weight = 10 kg  
MAX for each shelf support

It is the responsibility of the customer:

- to ensure the wall is of a suitable quality to hold the shelf fixing in place.
- to use the proper hardware fittings according to the construction of the wall.

For more specific information, please refer to the WARNINGS section at the end of the catalogue.

#### VERY IMPORTANT

- The capacity loading data stated in the chart refers to Triade Mini used in combination with the related wall bracket.

- It is strongly recommended to use the triade mini in combination with the related wall bracket, otherwise Italiana Ferramenta will not be held responsible for any failure.



= PH2



= open ended  
wrench 10 mm



ZA



ST



= 50 pcs.



1621401000



= M5



ST



= 100 pcs.



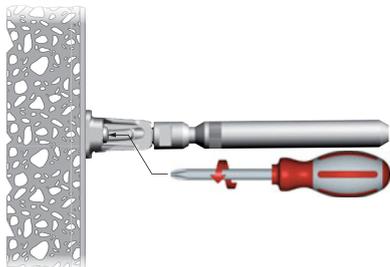
16215040ZN



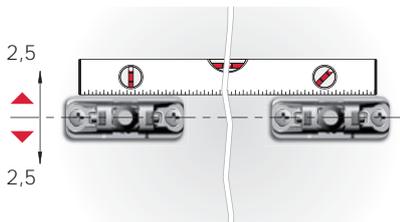
## APPLICATION FOR ALL TRIADE VERSIONS

### VERTICAL ADJUSTMENTS

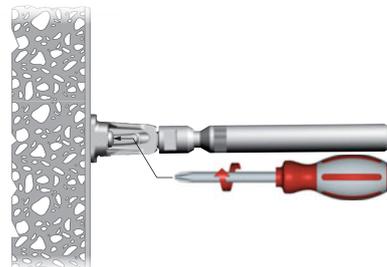
#### RELEASE THE FIXING SCREWS



#### ALIGN BRACKETS VERTICALLY ACCORDINGLY

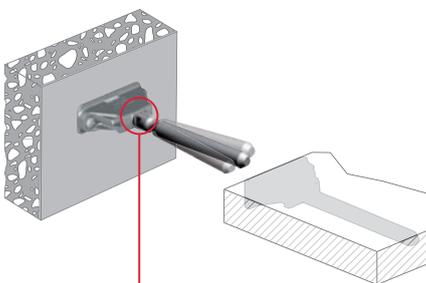


#### TIGHT THE FIXING SCREWS

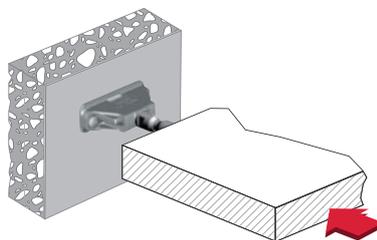


### SHELF INSERTING AND LATERAL ADJUSTMENT

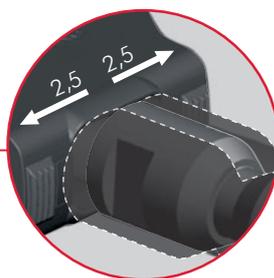
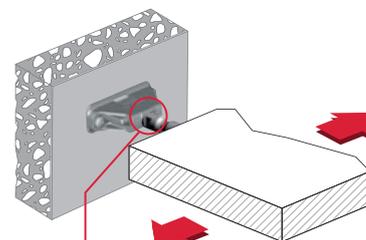
#### TILT THE SHELF TO MATCH BOTH SUPPORTING PINS AND SHELF HOUSINGS



#### INSERT PARTIALLY THE SHELF

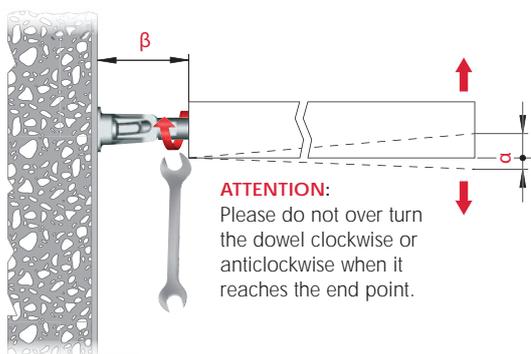


#### ADJUST THE SHELF LATERALLY ACCORDING TO THE APPLICATION (i.e. MULTI-SHELF COMPOSITION)



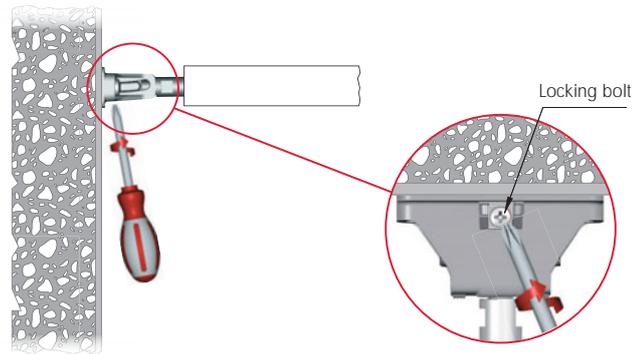
### INCLINATION ADJUSTMENTS

#### TURN CLOCKWISE THE SUPPORTING PIN WITH A 10 - 12 mm OPEN-ENDED WRENCH TO ADJUST THE SHELF ANGLE FRONT TO BACK ACCORDINGLY



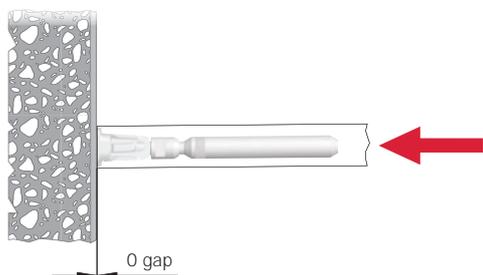
MODEL	$\beta$ (mm)	$\alpha$ (mm)
TRIADE MINI	approx. 45	-6 +13
TRIADE	approx. 45	-6 +13
TRIADE MAXI	approx. 70	-8 +20
TRIADE XXL	approx. 70	-8 +20

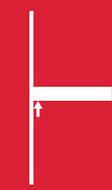
#### SCREW THE LOCKING BOLT TO BLOCK THE PIN



### SHELF INSERTING FOR ALL TRIADE MODELS

#### PUSH THE SHELF AGAINST THE WALL UNTIL THE END



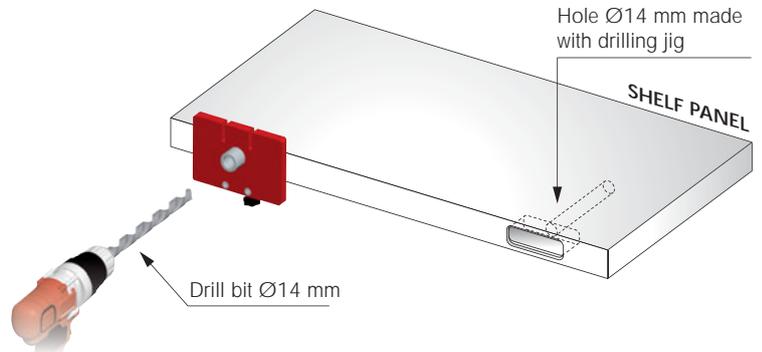
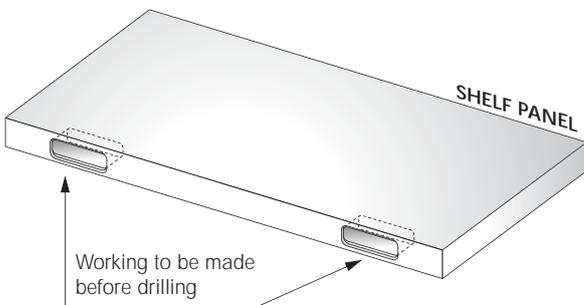


## DRILLING JIG FOR TRIADE

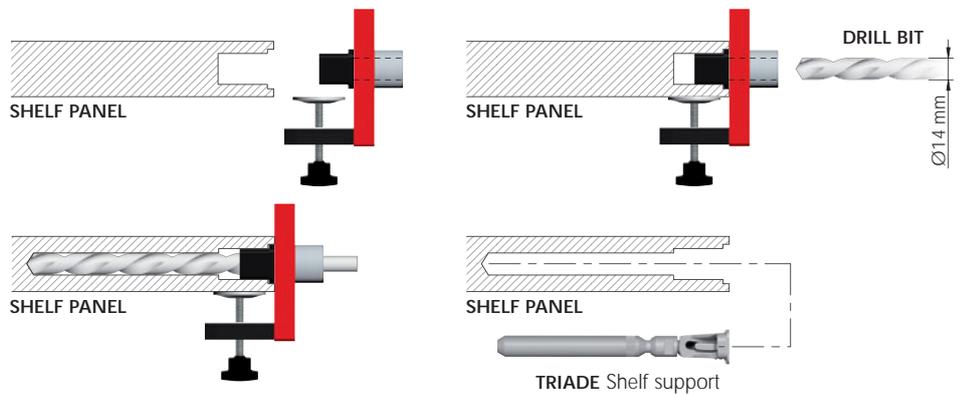
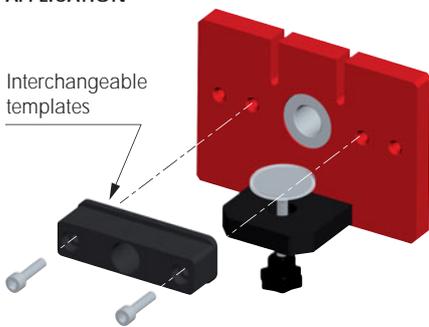


50 mm MAX 

### GENERAL SPECIFICATIONS



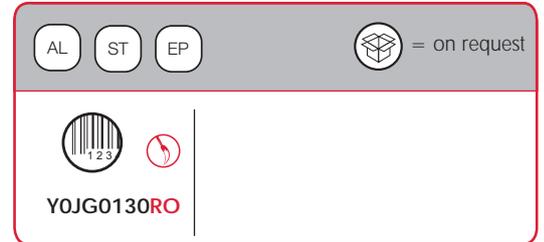
### APPLICATION



### TEMPLATES AVAILABLE

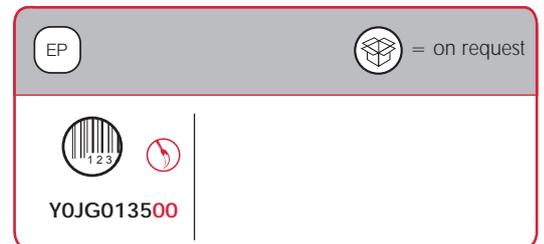
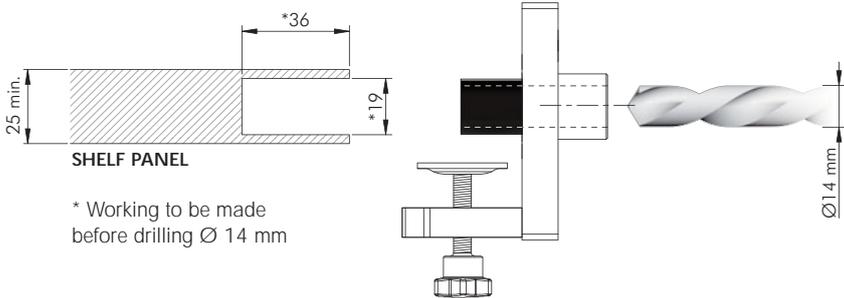
TEMPLATE FOR TRIADE MINI Part no. YOJG013500	TEMPLATE FOR TRIADE Part no. YOJG013600	TEMPLATE FOR TRIADE MAXI Part no. YOJG013700	TEMPLATE FOR TRIADE MINI AND TRIADE ALUMINIUM PROFILE Part no. YOJG013800	TEMPLATE FOR TRIADE MAXI ALUMINIUM PROFILE Part no. YOJG013900
				
Triade Mini	Triade	Triade Maxi	Aluminium profile for Triade Mini and Triade	Aluminium profile for Triade Maxi
				
Triade Mini and Bracket	Triade and Bracket	Triade Maxi and Bracket	Triade Mini Triade	Triade Maxi

## TRIADE DRILLING JIG



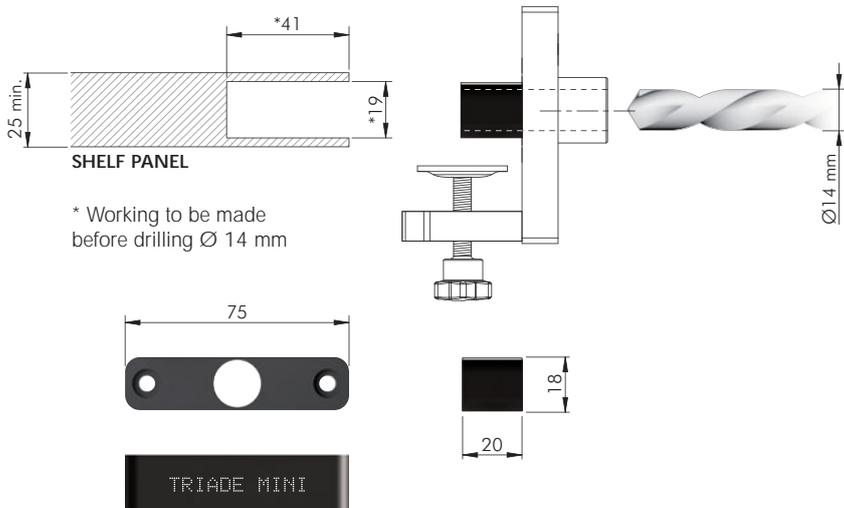
## TRIADE DRILLING JIG TEMPLATES

### TRIADE MINI DRILLING PLAN



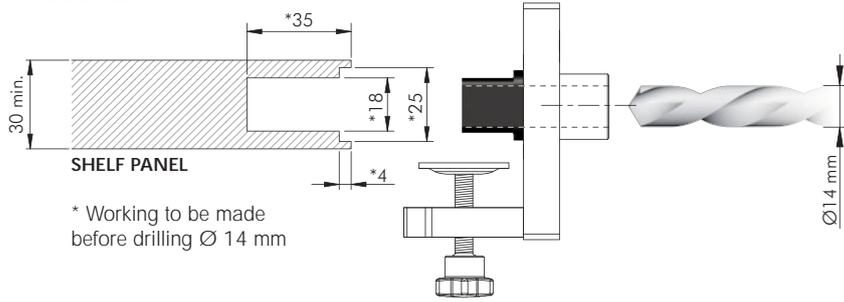
NOTE: The product code includes the fixing screws.

### TRIADE MINI AND BRACKET DRILLING PLAN

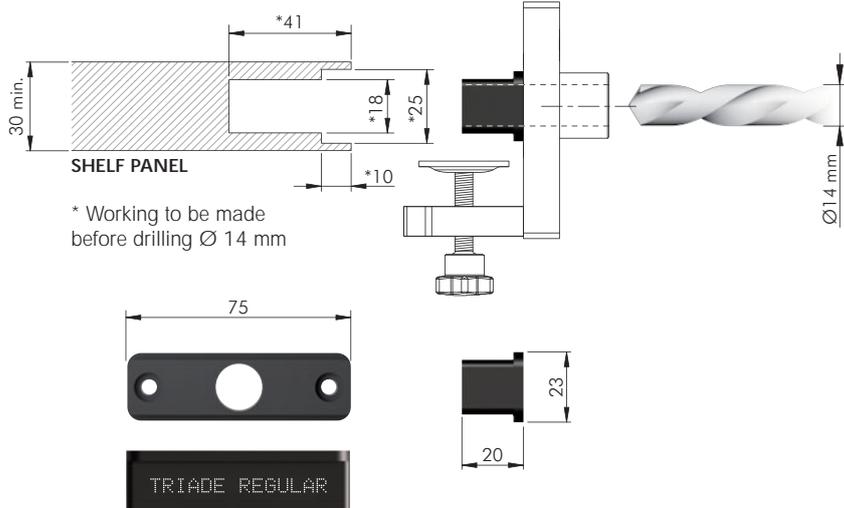




### TRIADE DRILLING PLAN



### TRIADE AND BRACKET DRILLING PLAN



EP = on request

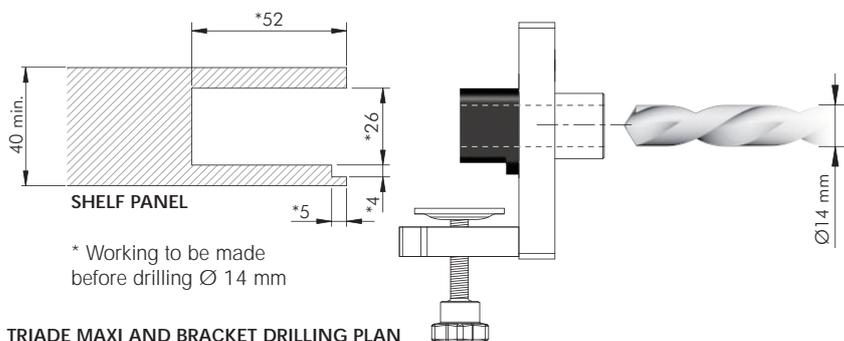
123

**Y0JG013600**

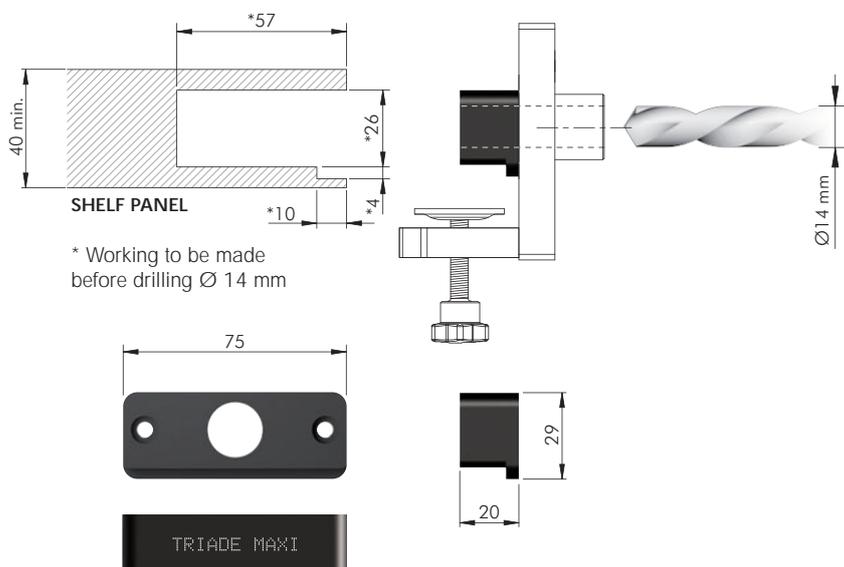
NOTE: The product code includes the fixing screws.



### TRIADE MAXI DRILLING PLAN



### TRIADE MAXI AND BRACKET DRILLING PLAN



EP = on request

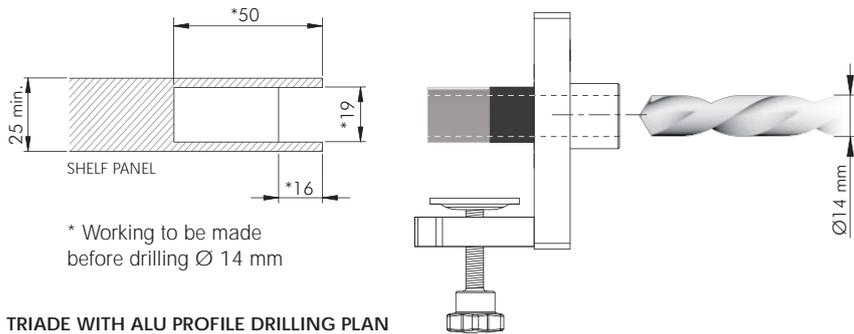
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**Y0JG013700**

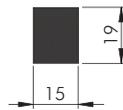
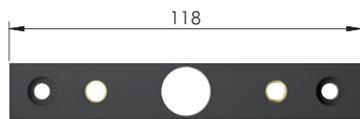
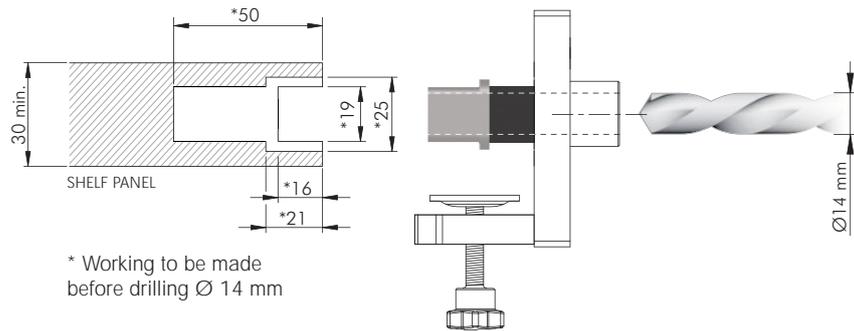
NOTE: The product code includes the fixing screws.



### TRIADE MINI WITH ALU PROFILE DRILLING PLAN



### TRIADE WITH ALU PROFILE DRILLING PLAN

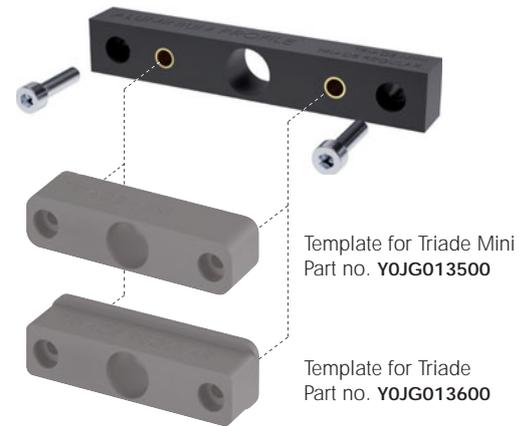


ALUMINIUM PROFILE TRIADE MINI  
TRIADE REGULAR

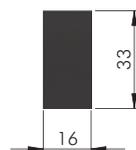
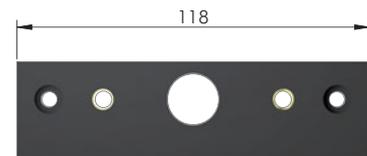
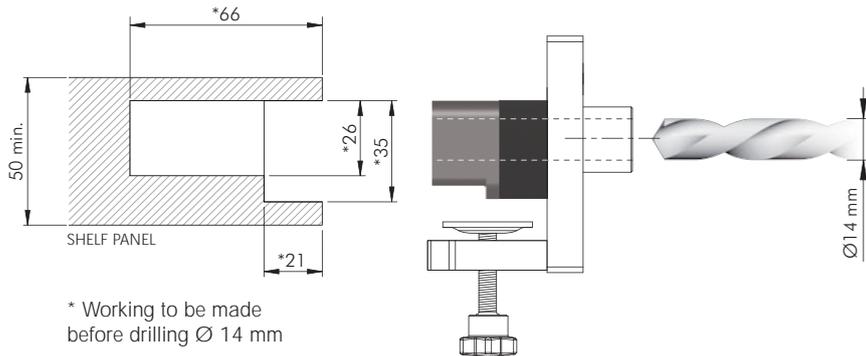
EP  = on request

 123 

**YOJG013800**



### TRIADE MAXI DRILLING PLAN



ALUMINIUM PROFILE TRIADE MAXI

EP  = on request

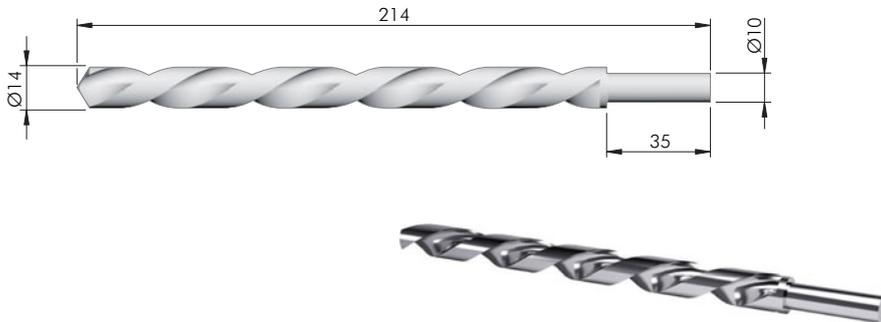
 123 

**YOJG013900**





## DRILL BIT



HSS	= on request
<b>YOJG054000</b>	

NOTE: For drilling jig we recommend to use precision-ground steel drill bit HSS-G.

## COMPLETE KIT DRILLING JIG FOR TRIADE

CONTENT OF THE CASE:

Part no.	Part no.
YOJG0130RO	YOJG0133RO
YOJG013500	YOJG055000
YOJG013600	YOJG054000
YOJG013700	YOJG054100
YOJG013800	
YOJG013900	



AL	ST	EP	= on request
<b>YOJG0131RO</b>			

## BASE KIT DRILLING JIG TRIADE AND DRILL BIT (only template for Triade Regular)

CONTENT OF THE CASE:

Part no.
YOJG0130RO
YOJG013600
YOJG054000

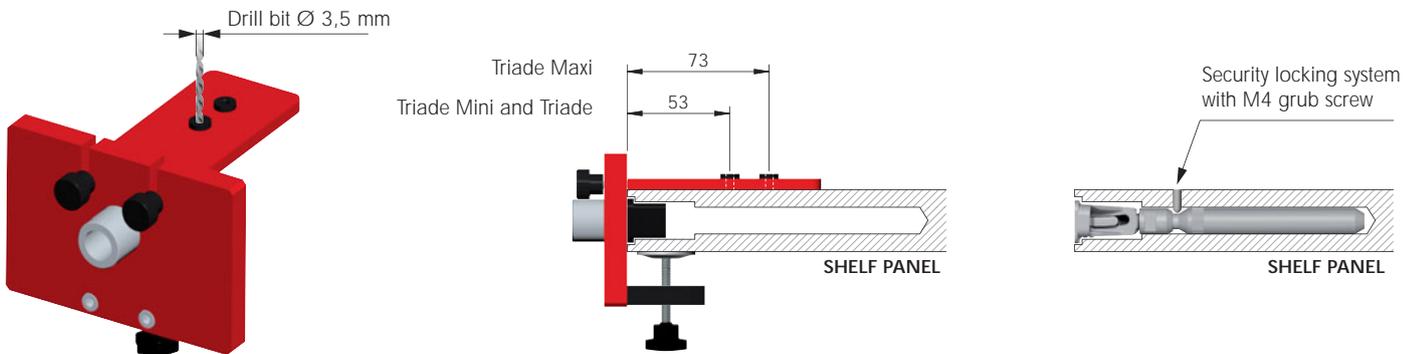
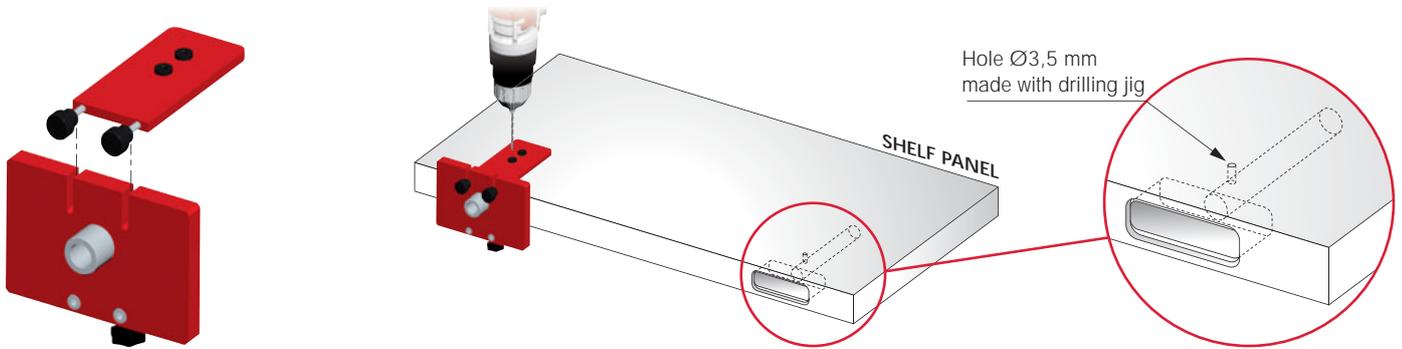


AL	ST	EP	= on request
<b>YOJG0132RO</b>			

## TRIADE DRILLING JIG INSERT FOR SECURITY LOCKING



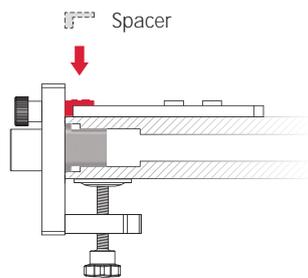
### GENERAL SPECIFICATIONS



### SPACERS AVAILABLE

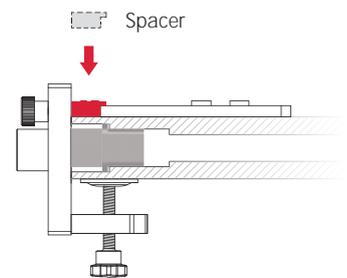
#### SPACER FOR TRIADE WALL BRACKETS

Part no. YOJG054900



#### SPACER FOR TRIADE ALUMINIUM PROFILES

Part no. YOJG055000



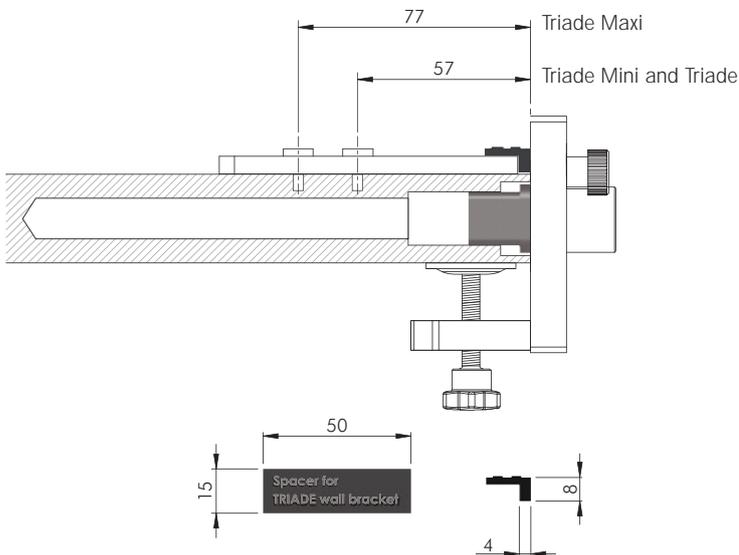


## DRILLING JIG INSERT FOR SECURITY LOCKING

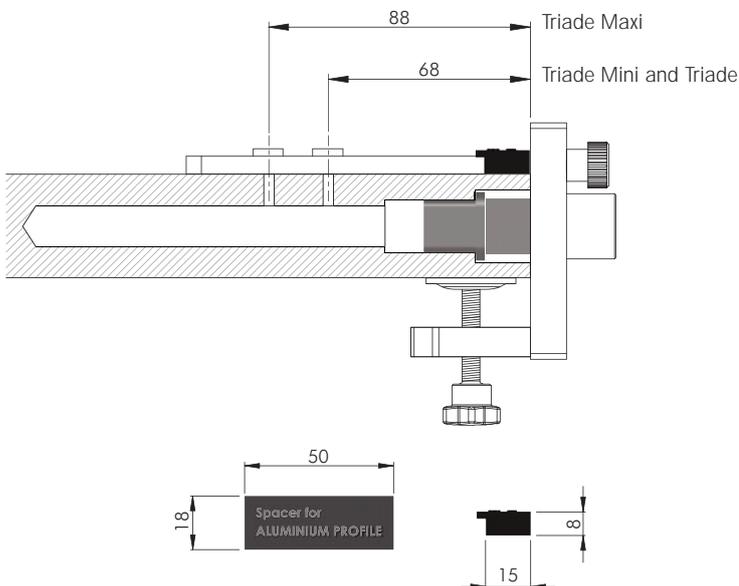


AL	ST	EP	= on request
<b>YOJG0133RO</b>			

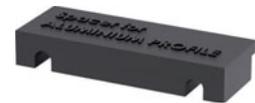
## SPACERS FOR SECURITY LOCKING



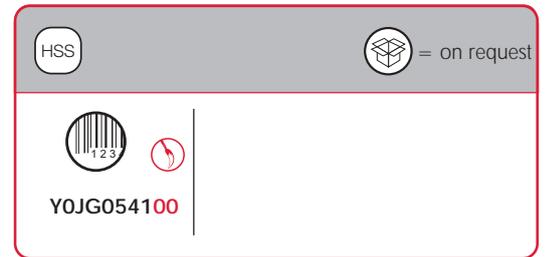
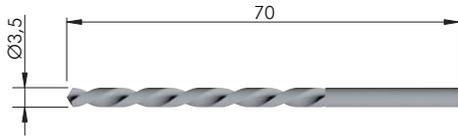
EP	= on request
<b>YOJG054900</b>	



EP	= on request
<b>YOJG055000</b>	



## DRILL BIT

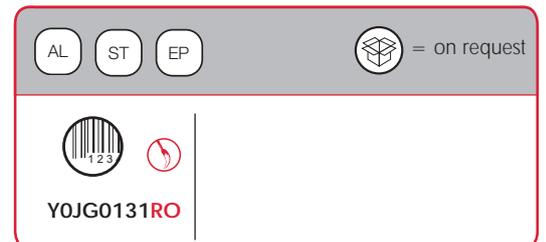


NOTE: For drilling jig we recommend to use precision-ground steel drill bit HSS-G.

## COMPLETE SET DRILLING JIG FOR TRIADE

CONTENT OF THE CASE:

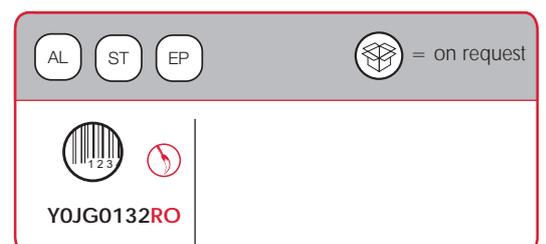
Part no.	Part no.
Y0JG0130RO	Y0JG0133RO
Y0JG013500	Y0JG055000
Y0JG013600	Y0JG054000
Y0JG013700	Y0JG054100
Y0JG013800	
Y0JG013900	



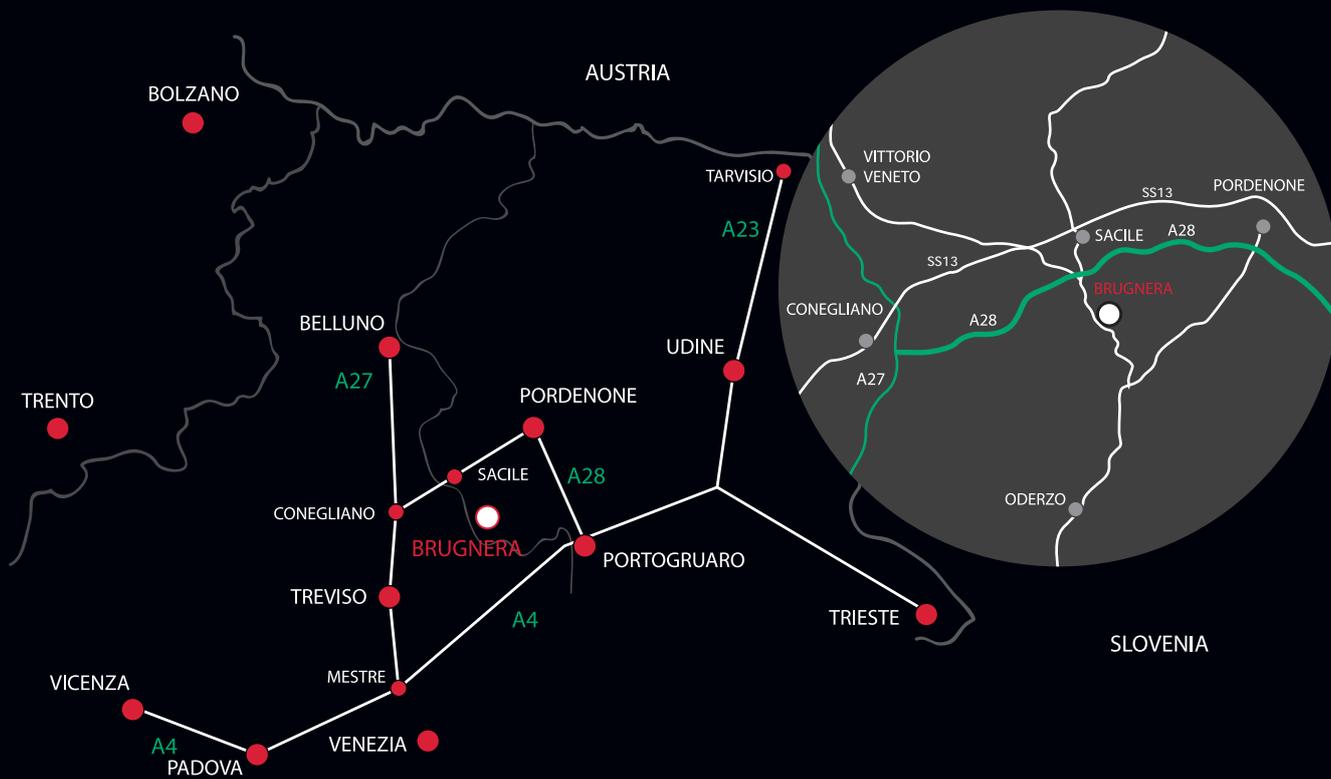
## SET WITH DRILLING JIG TRIADE AND DRILL BIT Ø14 mm (only template for Triade Regular)

CONTENT OF THE CASE:

Part no.
Y0JG0130RO
Y0JG013600
Y0JG054000







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