





# Occhielli unificati

## Unified eyelets

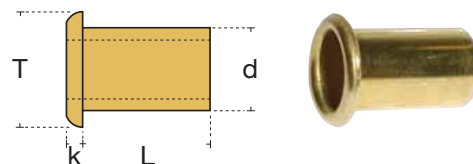
**OU**  
13000

**Ottone**

Brass

**Foro passante**

Pass through hole



d	L	SS	T	k	Tipo	Codice	
mm	mm	mm	mm	mm	Model	Item code	pz
<b>1.5</b>	2.0	1.0	2.5	0.40	OU15020	<b>0274300</b>	25000
	2.5	1.5			OU15025	<b>0274400</b>	25000
	3.0	2.0			OU15030	<b>0274500</b>	25000
	3.5	2.5			OU15035	<b>0274600</b>	25000
	4.0	3.0			OU15040	<b>3223200</b>	25000
	5.0	4.0			OU15050	<b>3678500</b>	25000
	6.0	5.0			OU15060	<b>3678600</b>	25000
	7.0	6.0			OU15070	<b>3678700</b>	25000
	7.5	6.5			OU15075	<b>3678800</b>	25000
	8.0	7.0			OU15080	<b>2323600</b>	25000
	9.0	8.0			OU15090	<b>3678900</b>	10000
	10.0	9.0			OU15100	<b>3679000</b>	10000
<b>2.0</b>	2.0	0.8	3.5	0.45	OU20020	<b>0274700</b>	25000
	2.5	1.3			OU20025	<b>0274800</b>	25000
	3.0	1.8			OU20030	<b>0274900</b>	25000
	3.5	2.3			OU20035	<b>0275000</b>	25000
	4.0	2.8			OU20040	<b>0275100</b>	25000
	4.5	3.3			OU20045	<b>3679100</b>	25000
	5.0	3.8			OU20050	<b>0275200</b>	25000
	6.0	4.7			OU20060	<b>0057000</b>	25000
	7.0	5.7			OU20070	<b>1096500</b>	25000
	8.0	6.7			OU20080	<b>0275400</b>	25000
	9.0	7.7			OU20090	<b>3679200</b>	10000
	10.0	8.7			OU20100	<b>0347800</b>	10000
	11.0	9.6			OU20110	<b>0275500</b>	10000
12.0	10.5	OU20120	<b>1596200</b>	10000			
12.5	11.3	OU20125	<b>3679300</b>	10000			
13.0	11.5	OU20130	<b>3679400</b>	10000			
<b>2.5</b>	2.5	1.1	4.0	0.55	OU25025	<b>0275800</b>	25000
	3.0	1.6			OU25030	<b>0275900</b>	25000
	3.5	2.1			OU25035	<b>0276000</b>	25000
	4.0	2.6			OU25040	<b>0276100</b>	25000
	4.5	3.1			OU25045	<b>0276200</b>	25000
	5.0	3.6			OU25050	<b>0276300</b>	25000
	6.0	4.5			OU25060	<b>0276400</b>	25000
	7.0	5.5			OU25070	<b>0276500</b>	25000
	8.0	6.5			OU25080	<b>0276600</b>	25000
	9.0	7.5			OU25090	<b>0276700</b>	10000
	10.0	8.5			OU25100	<b>0276800</b>	10000
	11.0	9.4			OU25110	<b>0276900</b>	10000
	12.0	10.3			OU25120	<b>0277000</b>	10000
	13.0	11.4			OU25130	<b>3679500</b>	10000
14.0	12.4	OU25140	<b>0277100</b>	10000			
15.0	13.4	OU25150	<b>3679600</b>	10000			
16.0	13.9	OU25160	<b>3679700</b>	10000			
<b>3.0</b>	2.0	0.5	5.0	0.60	OU30020	<b>3679800</b>	25000
	2.5	1.0			OU30025	<b>3679900</b>	25000
	3.0	1.5			OU30030	<b>0277300</b>	25000
	3.5	2.0			OU30035	<b>0277400</b>	25000
	4.0	2.5			OU30040	<b>0277500</b>	25000
	4.5	3.0			OU30045	<b>0277600</b>	25000
	5.0	3.5			OU30050	<b>0277700</b>	25000
6.0	4.4	OU30060	<b>0277800</b>	20000			



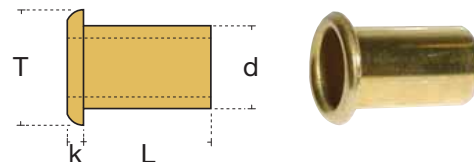
# Occhielli unificati

## Unified eyelets

**OU**  
13000

**Ottone**  
Brass

**Foro passante**  
Pass through hole



d	L	SS	T	k	Tipo	Codice	
mm	mm	mm	mm	mm	Model	Item code	pz
<b>3.0</b>	7.0	5.4	5.0	0.60	OU30070	<b>0277900</b>	20000
	8.0	6.4			OU30080	<b>0278000</b>	20000
	9.0	7.4			OU30090	<b>0278100</b>	20000
	10.0	8.4			OU30100	<b>0278200</b>	20000
	11.0	9.3			OU30110	<b>0278300</b>	10000
	12.0	10.3			OU30120	<b>0278400</b>	10000
	13.0	11.3			OU30130	<b>0278500</b>	10000
	14.0	12.3			OU30140	<b>2369900</b>	10000
	15.0	13.3			OU30150	<b>2757600</b>	10000
	16.0	14.3			OU30160	<b>0278600</b>	5000
	17.0	15.3			OU30170	<b>0278700</b>	5000
	18.0	16.3			OU30180	<b>3680000</b>	5000
	19.0	17.3			OU30190	<b>3680100</b>	5000
	20.0	18.3			OU30200	<b>3680200</b>	5000
<b>3.5</b>	3.0	1.4	5.5	0.65	OU35030	<b>3680300</b>	25000
	3.5	1.9			OU35035	<b>0278800</b>	20000
	4.0	2.4			OU35040	<b>3680400</b>	20000
	4.5	2.9			OU35045	<b>0278900</b>	20000
	5.0	3.4			OU35050	<b>1951600</b>	10000
	6.0	4.3			OU35060	<b>0279000</b>	10000
	7.0	5.3			OU35070	<b>3680500</b>	10000
	8.0	6.3			OU35080	<b>0279100</b>	10000
	9.0	7.3			OU35090	<b>0279200</b>	10000
	10.0	8.3			OU35100	<b>0350300</b>	5000
	12.0	10.2			OU35120	<b>3680600</b>	5000
	13.0	11.2			OU35130	<b>2873500</b>	5000
	14.0	12.2			OU35140	<b>1252000</b>	5000
	15.0	13.2			OU35150	<b>2318900</b>	5000
	16.0	14.2			OU35160	<b>3680700</b>	5000
	17.0	15.2			OU35170	<b>3680800</b>	5000
	18.0	16.2			OU35180	<b>3680900</b>	5000
	18.5	16.9			OU35185	<b>3681000</b>	5000
<b>4.0</b>	3.0	1.3	6.0	0.70	OU40030	<b>0279400</b>	25000
	3.5	1.8			OU40035	<b>3681100</b>	25000
	4.0	2.3			OU40040	<b>0279500</b>	25000
	4.5	2.8			OU40045	<b>0279600</b>	25000
	5.0	3.3			OU40050	<b>0279700</b>	20000
	6.0	4.2			OU40060	<b>0279800</b>	10000
	7.0	5.2			OU40070	<b>0279900</b>	10000
	8.0	6.2			OU40080	<b>0280000</b>	10000
	9.0	7.2			OU40090	<b>0280100</b>	10000
	10.0	8.2			OU40100	<b>0280200</b>	10000
	12.0	10.1			OU40120	<b>0280400</b>	5000
	13.0	11.1			OU40130	<b>0280500</b>	5000
	14.0	12.0			OU40140	<b>3681200</b>	5000
	15.0	13.0			OU40150	<b>0280600</b>	5000
	16.0	14.0			OU40160	<b>3681300</b>	5000
	17.0	15.0			OU40170	<b>3681400</b>	5000
	18.0	16.0			OU40180	<b>0280700</b>	5000
	20.0	18.0			OU40200	<b>3559000</b>	5000



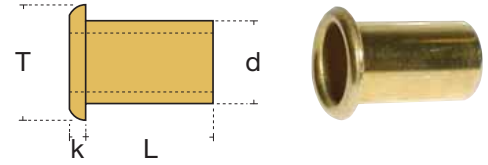
# Occhielli unificati

## Unified eyelets

**OU**  
13000

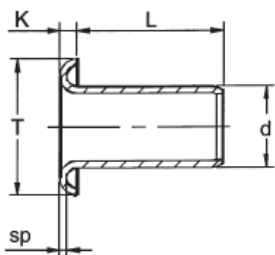
**Ottone**  
Brass

**Foro passante**  
Pass through hole



d	L	SS	T	k	Tipo	Codice	
mm	mm	mm	mm	mm	Model	Item code	pz
4.5	3.0	1.2	6.5	0.75	OU45030	<b>3681500</b>	10000
	4.0	2.2			OU45040	<b>3681600</b>	10000
	4.5	2.7			OU45045	<b>3681700</b>	10000
	5.0	3.2			OU45050	<b>0280900</b>	10000
	5.5	3.7			OU45055	<b>3681800</b>	10000
	6.0	4.1			OU45060	<b>0281000</b>	10000
	7.0	5.1			OU45070	<b>0281100</b>	10000
	8.0	6.1			OU45080	<b>0281200</b>	10000
	9.0	7.1			OU45090	<b>0281300</b>	10000
	10.0	8.1			OU45100	<b>3681900</b>	10000
5.0	4.0	2.1	7.5	0.80	OU50040	<b>0281800</b>	10000
	4.5	2.6			OU50045	<b>0281900</b>	10000
	5.0	3.1			OU50050	<b>0282000</b>	10000
	6.0	4.0			OU50060	<b>0282100</b>	10000
	7.0	5.0			OU50070	<b>0282200</b>	10000
	8.0	6.0			OU50080	<b>0282400</b>	10000
	9.0	7.0			OU50090	<b>0282500</b>	5000
	10.0	8.0			OU50100	<b>0282600</b>	5000
	11.0	8.9			OU50110	<b>0282700</b>	5000
	12.0	9.9			OU50120	<b>0282800</b>	5000
	13.0	10.8			OU50130	<b>0282900</b>	5000
	14.0	11.8			OU50140	<b>0283000</b>	5000
	15.0	12.8			OU50150	<b>0283100</b>	5000
	16.0	13.8			OU50160	<b>0283200</b>	5000
17.0	14.8	OU50170	<b>0283300</b>	5000			
6.0	4.0	2.3	8.0	0.80	OU60040	<b>0283400</b>	5000
	5.0	3.4			OU60050	<b>0283500</b>	5000
	6.0	4.3			OU60060	<b>0283600</b>	5000
	7.0	5.3			OU60070	<b>0283700</b>	5000
	8.0	6.3			OU60080	<b>0283800</b>	5000
	9.0	7.3			OU60090	<b>0282300</b>	5000
10.0	8.3	OU60100	<b>0283900</b>	5000			

Disponibili, a richiesta OU in: OU-ON ottone nichelato Fam. 13000.01-OU-FO acciaio ottonato Fam. 13000.02-OU-FN acciaio nichelato Fam. 13000.03.  
Available on request OU eyelets in: OU-ON nickel brass Fam. 13000.01-OU-FO brass steel Fam. 13000.02-OU-FN nickered steel Fam. 13000.03.



### Tolleranze sulla dimensione "L"

#### Tolerances on dimension "L"

"L" da 0 fino a 3 mm	± 0.10
"L" da > 3 fino a 6 mm	± 0.12
"L" da > 6 fino a 10 mm	± 0.15
"L" da > 10 fino a 18 mm	± 0.20
"L" da > 18 fino a 30 mm	± 0.25
"L" oltre 30 mm	± 0.15

Articolo	sp	d	T	K
mm	mm	0-0.08		± 0.1
<b>OU 15</b>	0.20	1.5	2.5 ± 0.10	0.40
<b>OU 20</b>	0.25	2.0	3.5 ± 0.10	0.45
<b>OU 22</b>	0.25	2.2	3.7 ± 0.10	0.50
<b>OU 25</b>	0.30	2.5	4.0 ± 0.12	0.55
<b>OU 30</b>	0.30	3.0	5.0 ± 0.12	0.60
<b>OU 35</b>	0.30	3.5	5.5 ± 0.12	0.65
<b>OU 40</b>	0.30	4.0	6.0 ± 0.12	0.70
<b>OU 45</b>	0.30	4.5	6.5 ± 0.12	0.75
<b>OU 50</b>	0.30	5.0	7.5 ± 0.15	0.80
<b>OU 55</b>	0.30	5.5	7.5 ± 0.15	0.85
<b>OU 60</b>	0.30	6.0	8.0 ± 0.15	0.70

Il diametro "d" si intende misurato alla distanza di 1 mm dalla testa.  
Diameter "d" is measured at a distance of 1 mm from the head.

## Rivetti unificati RU

RU unified rivets

RU

10930

### Ottone

Brass

#### Testa calottata chiusa

Closed dome head

Disponibili, a richiesta, occhielli RU (testa calottata chiusa) in:

RU-ON ottone nichelato Fam. 13010.01

RU-FO acciaio ottonato Fam. 13010.02

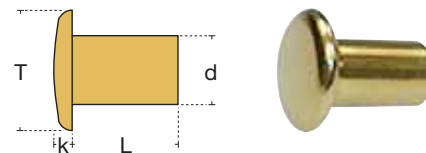
RU-FN acciaio nichelato Fam. 13010.03.

Available on request RU eyelets (closed dome head) in:

RU-ON nickeled brass Fam. 13010.01

RU-FO brassed steel Fam. 13010.02

RU-FN nickeled steel Fam. 13010.03.



## Rivetti unificati (olgo e testa)

Unified rivets (head and body)

RT

13020

### Ottone lucido e nichelato

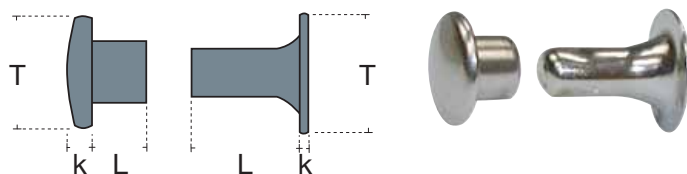
Bright and nickeled brass

### Acciaio nichelato

Nickeled steel

Disponibili con Ø 6.3 mm e varie lunghezze.

Available in Ø 6.3 mm and different lengths.



## Occhielli garanzia

Eyelets with "garanzia" mark

OG

13009

### Ottone, acciaio ottonato

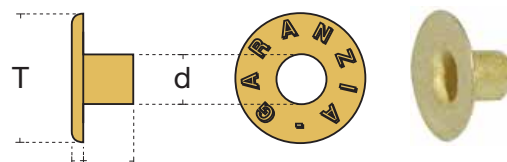
Brass, brassed steel

#### Per la chiusura di confezioni che non devono essere manomesse

For closing packages that must not be tampered with

Disponibili anche con Ø 6.3 mm e varie lunghezze.

Available in Ø 6.3 mm and different lengths.



# Ribattini pieni

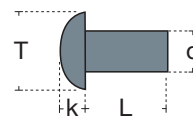
Solid rivets

RP

## Testa bombata normale

Normal round head

	d								
	3.0	3.5	4.0	5.0	6.0	8.0	10.0	12.0	14.0
<b>T</b>	5.3	6.3	7.1	8.8	10.5	13.0	16.0	19.0	22.5
<b>K</b>	1.8	2.1	2.4	3.0	3.6	5.5	6.5	7.5	9.0
<b>UNI</b>	748	748	748	748	748	136	136	136	136
Acciaio   Steel 100 01	●	●	●	●	●	●	●	●	●
Alluminio   Aluminium 101 01	●	●	●	●	●	●	●	●	●
Rame   Copper 102 01	●	●	●	●	●	●	●	●	●



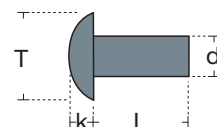
TBN



## Testa bombata larga

Large round head

	d								
	3.0	3.5	4.0	5.0	6.0	8.0	10.0	12.0	14.0
<b>T</b>	6.0	7.0	8.0	10.0	12.0	15.0	18.0	21.0	24.0
<b>K</b>	1.8	2.1	2.4	3.0	3.6	6.0	7.0	8.5	10.0
<b>UNI</b>	749	749	749	749	749	134	134	134	134
Acciaio   Steel 100 03	●	●	●	●	●	●	●	●	●
Alluminio   Aluminium 101 10	●	●	●	●	●	●	●	●	●
Rame   Copper 102 10	●	●	●	●	●	●	●	●	●



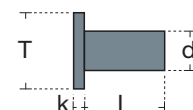
TBL



## Testa piana cilindrica

Cylindrical flat head

	d						
	3.0	3.5	4.0	5.0	6.0	8.0	10.0
<b>T</b>	5.3	6.3	7.1	8.8	10.5	14.0	17.5
<b>K</b>	0.9	1.1	1.2	1.5	1.8	2.4	3.0
<b>UNI</b>	756	756	756	756	756	756	756
Acciaio   Steel 100 20	●	●	●	●	●	●	●
Alluminio   Aluminium 101 20	●	●	●	●	●	●	●
Rame   Copper 102 20	●	●	●	●	●	●	●



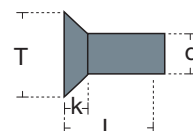
TPC



## Testa piana svasata

Countersunk head

	d						
	3.0	3.5	4.0	5.0	6.0	8.0	10.0
<b>T</b>	6.0	7.1	8.0	10.0	12.0	13.5	16.0
<b>K</b>	1.5	1.8	2.0	2.5	3.0	3.75	4.0
<b>UNI</b>	752	752	752	752	752	139	139
Acciaio   Steel 100 30	●	●	●	●	●	●	●
Alluminio   Aluminium 101 30	●	●	●	●	●	●	●
Rame   Copper 102 30	●	●	●	●	●	●	●



TSP



● Richiedere disponibilità | Available on request

Le lunghezze L sono da specificare al momento della richiesta.

Le confezioni minime di vendita per il materiale a stock sono di kg 5 per i ribattini in acciaio e di kg 1 per i ribattini in alluminio e rame.

A richiesta ribattini in acciaio inox con codici: RP TBN 10301 - RP TBL 10302 - RP TPC 10320 - RP TSP 10330.

Per l'ordinazione indicare tipo di testa, diametro e lunghezza.

The lengths L are to be specified at the moment of the request.

Minimum order quantity for material in stock is 5 kg for steel rivets and 1 kg for aluminium and copper rivets.

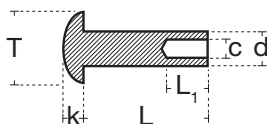
Available on request stainless steel rivets with the following Item codes: RP TBN 10301 - RP TBL 10302 - RP TPC 10320 - RP TSP 10330.

On the order please indicate the model of the head, diameter and length.

## Disponibili anche ribattini semitorati con testa bombata, cilindrica e svasata.

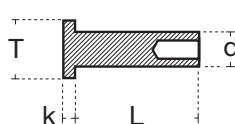
Available also semi-tubular rivets with round, cylindrical and countersunk head.

TBN RS



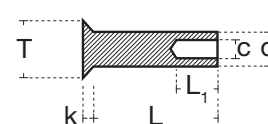
Testa bombata in acciaio: Fam. 10501.  
Steel round head: Fam. 10501.

TPC RS



Testa cilindrica in acciaio: Fam. 10520.  
Steel cylindrical head: Fam. 10520.

TSP RS



Testa svasata in acciaio: Fam. 10530.  
Steel countersunk head: Fam. 10530.

## Ribattini speciali semiforati

Special semi-tubular rivets

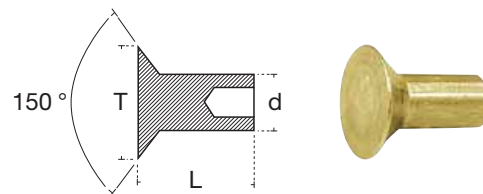
**TSP RS**

10930

**Ottone**

Brass

Disponibili con  $\varnothing$  6.3 mm e varie lunghezze per ferodi.  
Available in  $\varnothing$  6.3 mm and different lengths for linings.



## Ribattini semiforati foro conico

Semi-tubular rivets with conical recess

**TPC RSC**

ALL. 10620 | OTT. 10930

**Alluminio**

Aluminium

**Ottone**

Brass

Disponibili con  $\varnothing$  4 mm,  $\varnothing$  5 mm,  $\varnothing$  6 mm,  $\varnothing$  8 mm e varie lunghezze.  
Available in  $\varnothing$  4 mm, 5 mm, 6 mm, 8 mm and different lengths.



## Ribattini speciali pieni

Special solid rivets

**TBLC**

10110

**Alluminio**

Aluminium

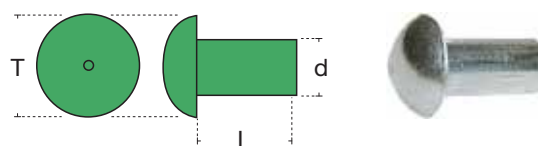
**Con o senza centrino**

With or without pin

**Per fissaggio pareti tipo Alukit per furgoni**

For fixing the Alukit bodywork of vans

Disponibili senza centrino, con  $\varnothing$  5 mm a cui corrisponde una lunghezza testa T = 11 mm e una lunghezza L = 11 mm.  
Disponibili con centrino, con  $\varnothing$  6 mm a cui corrisponde una lunghezza testa T = 12 mm e una lunghezza L = 9 mm.  
Available without pin in  $\varnothing$  5 mm, head length T = 11 mm and shank length L = 11 mm.  
Available with pin in  $\varnothing$  6 mm, head length T = 12 mm and shank length L = 9 mm.



## Ribattini tubolari

Tubular rivets

**TUB**

OTT. 11401 | CU. 11402

**Ottone**

Brass

**Rame**

Copper

**Per fissaggio ferodi ceppi freni**

For fixing braking systems

Disponibili anche con  $\varnothing$  4 mm,  $\varnothing$  5 mm,  $\varnothing$  6 mm,  $\varnothing$  8 mm e varie lunghezze.  
Available in  $\varnothing$  4 mm, 5 mm, 6 mm, 8 mm and different lengths.





# Ribattini autofilettanti

## Self-tapping rivets

**RATBN**

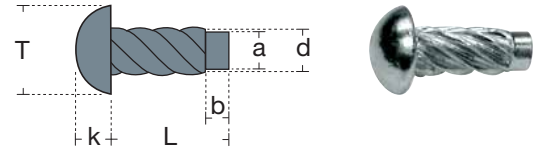
12800

### ■ Acciaio

Steel

### Testa bombata normale

Normal round head



UNI 7346

Filettatura   Thread							Ø foro   Hole Ø				
d	iso	L	T	k	a	b	Mat. duri	Mat. teneri	Tipo	Codice	
mm	-	mm	mm	mm	mm	mm	Hard material	Tender material	Model	Item code	pz
1.5	00M	3.5	2.50	0.87	1.24	1.0	1.30	1.25	RAT15035	00999*	1000
		5.0				1.0			RAT15050	01000*	1000
		6.5				1.0			RAT15065	01001*	1000
1.9	0M	3.5	3.60	1.24	1.60	1.0	1.70	1.65	RAT19035	00978*	1000
		5.0				1.0			RAT19050	00979*	1000
		6.5				1.0			RAT19065	00980*	1000
		8.0				1.5			RAT19080	36720*	1000
2.5	2M	3.5	4.10	1.75	2.10	1.0	2.25	2.20	RAT25035	00982*	1000
		5.0				1.0			RAT25050	00983*	1000
		6.5				1.0			RAT25065	00984*	1000
		8.0				1.5			RAT25080	00985*	1000
		9.5				1.5			RAT25095	00986*	1000
		13.0				1.5			RAT25130	29886*	1000
3.5	6M	6.5	6.60	2.60	2.94	1.0	3.20	3.10	RAT35065	00993*	500
		8.0				1.5			RAT35080	00994*	500
		9.5				1.5			RAT35095	00995*	500
		13.0				1.5			RAT35130	10880*	500
		16.0				2.0			RAT35160	00998*	500
4.2	8M	8.0	7.84	3.00	3.45	1.5	3.80	3.70	RAT42080	00996*	500
		9.5				1.5			RAT42095	00997*	500
		13.0				1.5			RAT42130	36717*	500
		16.0				2.0			RAT42160	00998*	500
4.5	10M	8.0	9.10	3.47	3.80	1.5	4.20	4.00	RAT45080	02082*	500
		9.5				1.5			RAT45095	36718*	500
		13.0				1.5			RAT45130	36719*	500

\* Al codice aggiungere: ZB (zincato bianco), ZG (zincato giallo).

\* Add to the item code: ZB (white zinc plated), ZN (yellow zinc plated).

A richiesta ISO 12M (Ø 5.3) lunghezza 13/16/19.

A richiesta ISO 14M (Ø 6.1) lunghezza 13/16/19.

Lo spessore del pezzo dove va inserito il rivetto deve essere superiore o almeno 1/2 diametro del rivetto stesso.

Inserimento a pressione nel foro.

Molto indicati per fissaggi a pressione su materiali compatti di piastrelle e targhe.

ISO 12M (Ø 5.3), length 13/16/19 is available on request.

ISO 14M (Ø 6.1), length 13/16/19 is available on request.

The thickness of the material where the rivet has to be placed, must be bigger than at least half of the diameter of the diameter of the rivet.

Press-fit in the hole.

Ideal for pressure fixing on the compact materials of plates.

# Rivetti a martello

Drive blind rivets

RCAI

11501

**■ Corpo in alluminio (AlMg5)**

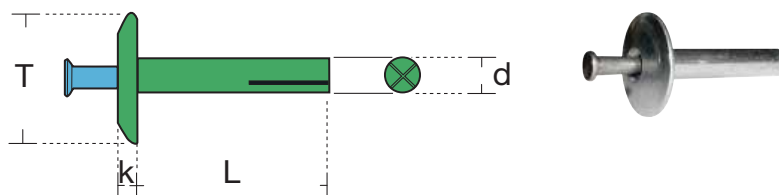
Aluminium (AlMg5) body






**■ Chiodo in acciaio inox A2**

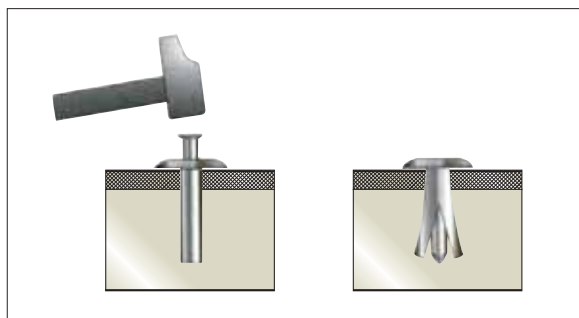
A2 stainless steel mandrel

**Testa tonda**

Dome head



d		L	T	k	SS			Tipo	Codice	
mm	mm	mm	mm	max	mm	N	N	Model	Item code	pz
4.8		16	14.0	2.0	9.5 ÷ 12.0	3500	2000	RCAI48016	<b>2889100</b>	250N
		20	14.0	2.0	14.5 ÷ 16.5			RCAI48020	<b>3124600</b>	250N
		25	15.0	2.2	20.0 ÷ 22.0			RCAI48025	<b>2705600</b>	250N
		30	15.0	2.2	25.0 ÷ 26.5			RCAI48030	<b>3663300</b>	250N
		35	15.0	2.2	29.0 ÷ 31.0			RCAI48035	<b>3663400</b>	250P
		40	15.0	2.2	33.0 ÷ 35.0			RCAI48040	<b>3663500</b>	250P
50	15.0	2.2	43.5 ÷ 46.0	RCAI48050	<b>3663700</b>	250P				



Il rivetto viene introdotto nel foro praticato nei materiali da unire. Il chiodo viene inserito a pressione nella sua sede per mezzo di un martello, facendo espandere la punta del ribattino. Il ribattino è così installato.

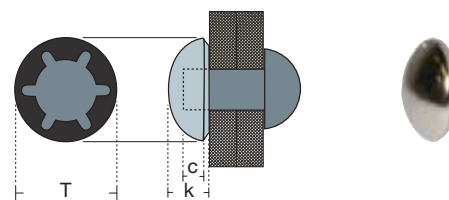
The blind rivet is inserted in the hole made in the materials to be fixed. The mandrel is driven down with a hammer causing the flaring of the blind rivet end. The blind rivet is now installed.

### ■ Piastrina in acciaio per molle trattato

Treated steel plate for springs

### Copriperno in acciaio cromato

Chromium plated steel pin cover



Ø perno	T	k	c	Tipo	Codice	
Pin Ø	mm	mm	mm	Model	Item code	pz
3.0	11.8	4.2	3.0	RFCA03011	<b>0416200</b>	1000S
4.0	11.8	4.2	3.0	RFCA04011	<b>0416100</b>	1000S
5.0	11.8	4.2	3.0	RFCA05011	<b>0416000</b>	1000S
6.0	16.0	5.7	4.0	RFCA06016	<b>0415900</b>	500N
6.5	16.0	5.7	4.0	RFCA06516	<b>3673000</b>	500N
7.0	16.0	5.7	4.0	RFCA07016	<b>1837200</b>	500N
8.0	16.0	5.7	4.0	RFCA08016	<b>0418300</b>	500N
9.0	19.5	7.1	4.5	RFCA09019	<b>3673100</b>	500N
9.5	19.5	7.1	4.5	RFCA95019	<b>3673200</b>	500N
10.0	19.5	7.1	4.5	RFCA10019	<b>1240900</b>	500N
11.0	19.5	7.1	4.5	RFCA11019	<b>3673300</b>	500N

Il numero stampato sul fissatore indica il Ø del perno.

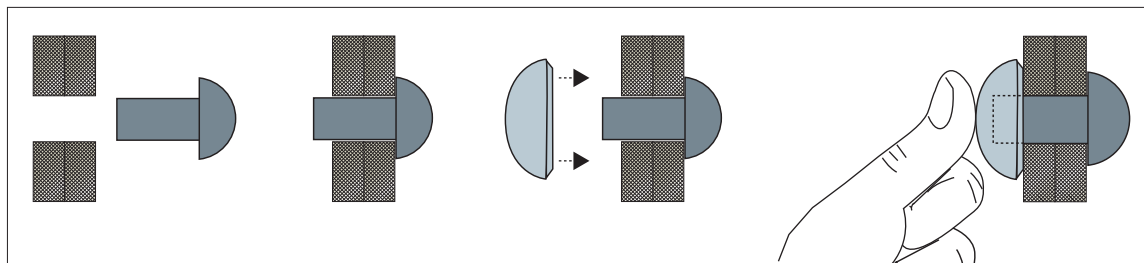
A richiesta Ø perno dal 12 al 25.

**A richiesta anche in acciaio inox (RFCl) e verniciato nero (RFCAN).**

The number stamped on the fastener is the Ø of the stud.

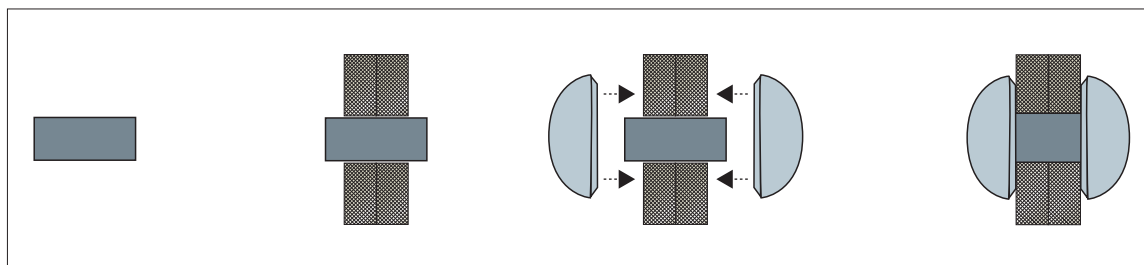
Upon request stud Ø from 12 to 25.

**On request also available in stainless steel (RFCl) and black painted (RFCAN)..**



Fissaggio con ribattino (si utilizza un cappuccio).

Fastening with blind rivet (a cap is used).



Fissaggio con perno liscio (si utilizzano due cappucci).

Fastening with smooth stud (two caps are used).

# Fissatori a corona

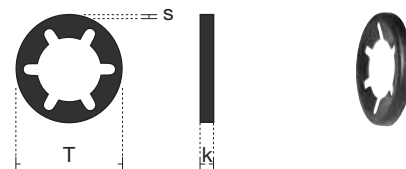
Crown fasteners

RFCO

11902

## ■ Acciaio per molle trattato

Treated steel for springs



Ø perno	T	k	s	Tipo	Codice	
Pin Ø	mm	mm	mm	Model	Item code	pz
2.0	9.0	1.3	0.20	RFCO02009	36769GR	1000
2.5	9.0	1.3	0.20	RFCO02509	24957GR	1000
3.0	9.0	1.3	0.20	RFCO03009	05943GR	1000
3.0	10.9	1.3	0.20	RFCO03010	36770GR	1000
4.0	10.9	1.3	0.20	RFCO04010	17857GR	1000
5.0	10.9	1.3	0.20	RFCO05010	36771GR	1000
6.0	15.0	1.3	0.25	RFCO06015	29303GR	1000
6.0	20.5	2.0	0.30	RFCO06020	36772GR	1000
6.5	15.0	1.6	0.30	RFCO06515	36773GR	1000
7.0	15.0	1.6	0.30	RFCO07015	36774GR	1000
8.0	15.0	1.6	0.30	RFCO08015	02446GR	1000
8.0	20.5	2.0	0.30	RFCO08020	36775GR	1000
9.0	18.0	2.1	0.30	RFCO09018	36776GR	1000
9.5	18.0	2.1	0.30	RFCO09518	36777GR	1000
10.0	18.0	2.1	0.30	RFCO10018	36778GR	1000
11.0	18.0	2.1	0.30	RFCO11018	36779GR	1000
12.0	25.0	3.0	0.40	RFCO12025	36780GR	1000
13.0	25.0	3.0	0.40	RFCO13025	36781GR	1000
14.0	25.0	3.0	0.40	RFCO14025	36782GR	1000
15.0	28.0	2.5	0.40	RFCO15028	24288GR	1000
16.0	25.0	2.8	0.35	RFCO16025	36783GR	1000

Il numero stampato sul fissatore indica il Ø del perno da utilizzare.

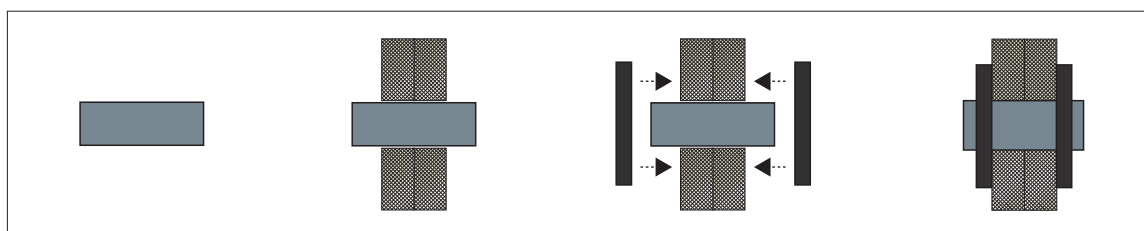
**A richiesta Ø perno dal 17 al 25.**

**A richiesta fornibili in acciaio bianco/giallo e acciaio inox.**

The number stamped on the fasteners indicates the stud Ø to be used.

Available upon request stud Ø from 17 to 25.

Products available also in white/yellow coated steel and stainless steel.



Fissaggio con spezzone di perno liscio (si utilizzano due fissatori).


Fixing with smooth stud (two fasteners to be used).



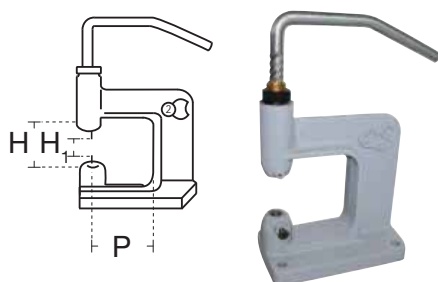



## Torchietti manuali per occhielli OU

Small hand presses for OU eyelets

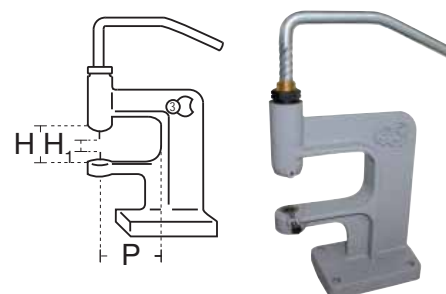
H	H <sub>1</sub>	P		Codice
mm	mm	mm	Kg	Item code
44	18	85	2.45	<b>0289300</b>


**S2**



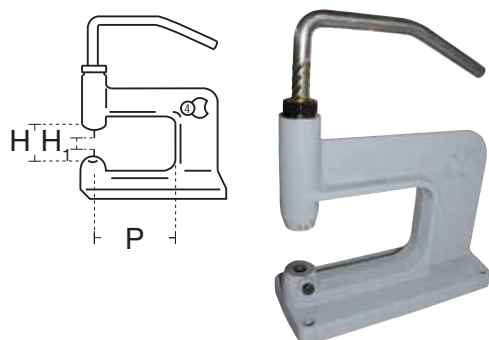
H	H <sub>1</sub>	P		Codice
mm	mm	mm	Kg	Item code
44	18	95	3.19	<b>0289400</b>


**S3**



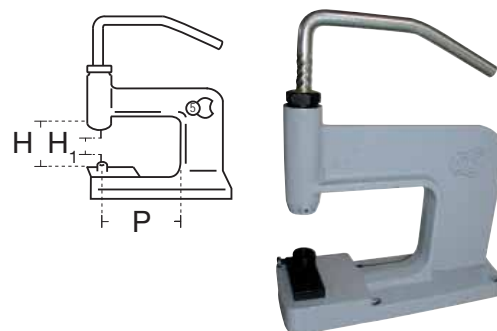
H	H <sub>1</sub>	P		Codice
mm	mm	mm	Kg	Item code
44	18	130	4.26	<b>0289500</b>

**S4**



H	H <sub>1</sub>	P		Codice
mm	mm	mm	Kg	Item code
44	34	130	5.77	<b>0289600</b>

**S5**



## Pinza combinata a fustelle per occhielli OU

Combination plier with socket punches for OU eyelets



Tipo	Codice
Model	Item code
-	<b>2781900</b>

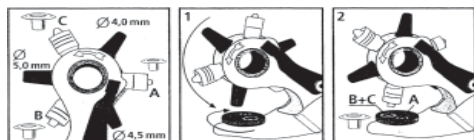
Tipo a revolver con tre matrici e tre fustelle. Lunghezza 225 mm  
Turret model with socket punches for eyelets. Length 225 mm.

### Caratteristiche tecniche

La pinza è adatta per forare, utilizzando le tre fustelle (Ø 4 mm; Ø 4.5 mm; Ø 5.0 mm, rispettivamente per OU Ø 4.5 mm; Ø 5.0 mm; Ø 5.5 mm) e per applicare occhielli con l'impiego delle apposite matrici. Il disco è posizionato sulla ganascia inferiore ed è munito di due fori e di una parte piana che ruota a 360° secondo la necessità di operazione (foratura o serraggio degli occhielli).



### Technical features

This plier is fitted to punch, using the 3 socket punches (Ø 4 mm; Ø 4.5 mm; Ø 5 mm, for OU Ø 4.5 mm; Ø 5 mm; Ø 5.5 mm) and to set eyelets, using the relevant dies. A disc is positioned on the lower jaw. It has two holes in it and a smooth 360° rotating part which can be moved according to the use (punching or eyelet setting).



\* Kit punzoni completi per OU inferiori e superiori.

\* Lower and upper complete punches kit for OU.

Kit punzone	Tipo	Codice
Punch kit	Model	Item code
	OU15	<b>0286900</b>
	OU20	<b>0287100</b>
	OU22	<b>0287300</b>
	OU25	<b>0287500</b>
	OU30	<b>0287700</b>
	OU35	<b>0287900</b>
	OU40	<b>0288100</b>
	OU45	<b>0288300</b>
	OU50	<b>0288500</b>
	OU55	<b>0288700</b>
	OU58	<b>0288900</b>
	OU60	<b>0289100</b>

\* Da inserire sui torchietti a seconda del tipo di occhiello OU che si utilizza.

\* It must be assembled on the press according to the OU eyelet to be used.

## Occhiellatrici meccaniche a pedale

Mechanical eyeleting with pedal



**RIVOM06**

31502

Peso con tavolo (kg)	Tipo	Codice
Weight bench included (kg)	Model	Item code
26	RIVOM06	<b>3248400</b>
27	RIVOM08	<b>2319700</b>

### Caratteristiche tecniche RIVOM06

#### Technical features

Altezza   Height	1400 mm
Altezza lavoro   Height of the workbench	960 mm
Larghezza tavola   Table width	520 mm
Profondità lavoro   Work depth	125 mm



### RIVOM08

Questa macchina è come la RIVOM06 a pedale meccanico con in più un piano d'appoggio 20x30 cm con squadretta di riferimento per posizionare i pezzi non forati.

This machine is like the RIVOM06 with mechanical pedal with an extra shelf of 20x30 cm with reference square to move the pieces not pierced yet.

Supporto in ghisa meccanica. Pedale in ghisa sferoidale. Telaio tavolo in acciaio tubolare 25x25 mm con tavola in lamiera 520x380 mm. Distanza regolabile tra i ribaditori. Caricatore automatico. **La macchina applica qualsiasi tipo di occhiello di piccole e medie dimensioni per la quale viene attrezzata.**

Cast iron support. Spheroidal iron pedal. Frame of 25x25 mm tubular steel bench with table plate 520x380 mm. Adjustable distance between riveting. Autoloader. **The machine applies to any kind of eyelet of small and medium size.**



## Occhiellatrice pneumatica a pedale

Pneumatic eyeleting with pedal



**RIVOP10**

31502

Peso con tavolo (kg)	Tipo	Codice
Weight bench included (kg)	Model	Item code
28	RIVOP10	<b>2319800</b>

### Caratteristiche tecniche

#### Technical features

Altezza   Height	1400 mm
Altezza lavoro   Height of the workbench	960 mm
Profondità di lavoro   Work depth	125 mm
Consumo aria a 6 bar (60 colpi al min)   Air consumption 6 bar (60 strokes/min)	50 l/min



Supporti macchina in ghisa meccanica. Telaio tavolo in acciaio tubolare 25x25. Tavola in lamiera verniciata 380x530x3. **Occhiellatrice adatta a normale pressione di esercizio (6 atm) per l'applicazione di occhielli di piccole dimensioni.** Può essere attrezzata con piano d'appoggio e squadretta di riferimento. Protezione fissa in lamiera e policarbonato. Pressione di utilizzo minimo 6 bar. Distanza regolabile tra punzone superiore ed inferiore.

Cast iron supports machine. Tubular steel bench 25x25. Painted table 380x530x3. **Eyeleting suited to normal operating pressure (6 atm) for the application of small eyelets.** It can be equipped with shelf and reference square. Fixed protection in sheet metal and polycarbonate. Operating pressure minimum 6 bar. Adjustable distance between the upper and lower punch.





## Occhiellatrici doppie pneumatiche e a pedale meccanico

Pneumatic double eyeleting with mechanical pedal

**RIVOP05**

31502

Peso con tavolo (kg)	Tipo	Codice
Weight bench included (kg)	Model	Item code
38	RIVOM05	<b>4526800</b>
36	RIVOP05	<b>2343500</b>

### Caratteristiche tecniche RIVOP05

#### Technical features

Altezza   Height	1400 mm
Altezza lavoro   Height of the workbench	950 mm
Profondità lavoro   Work depth	125 mm



#### RIVOM05

Tipo a pedale meccanico.  
Type with mechanical pedal.



Distanza di ribattitura tra le due teste regolabile: minimo 40 max 200 mm.  
Supporti macchina in ghisa meccanica. Telaio tavolo in acciaio tubolare 25x25.  
Tavola in lamiera verniciata 380x530x5. Protezione fissa in lamiera e policarbonato con dispositivo antinfortunistico. Pressione di utilizzo minimo 6 bar.

**Occhiellatrici adatte per qualsiasi lavorazione dove sia richiesta l'applicazione contemporanea di due occhielli.**

Distance between the two punches adjustable from a minimum of 40 up to 200 mm. Supports machine of cast iron. Frame tubular steel bench 25x25. Painted table 380x530x5. Fixed protection made of sheet metal and polycarbonate with safety device. Operating pressure minimum 6 bar.

**Eyeleting suitable for any process that require the simultaneous application of two eyelets.**

## Occhiellatrici con tavolo pneumatiche e a pedale meccanico

Pneumatic eyeleting with table and mechanical pedal

**RIVOP07**

31502

Peso con tavolo (kg)	Tipo	Codice
Weight bench included (kg)	Model	Item code
24	RIVOM07	<b>2705900</b>
22	RIVOP07	<b>3259700</b>

### Caratteristiche tecniche RIVOP07

#### Technical features

Altezza con bancale   Total height	1400 mm
Altezza lavoro   Height of the workbench	960 mm
Larghezza tavola   Table width	520 mm
Profondità di lavoro   Work depth	125 mm



#### RIVOM07

Tipo a pedale meccanico in ghisa sferoidale.  
Attacchi unificati per essere attrezzata con i vari punzoni commerciali, consentendo fustellatura, marcatura, rivettatura e occhiellatura.  
Type with mechanical pedal of spheroidal iron.  
Connectors unified to be equipped with various trade punches, allowing cutting, marking, riveting and eyeleting.



Caricamento occhiello manuale.  
Supporto in ghisa meccanica. Ampio spazio fra albero e piastrina ricambi. Dispositivo antinfortunistico.

**Macchina applicatrice costruita per sostituire il torchietto manuale.**

Manual eyelet loading.  
Support in cast iron. Large space between the shaft and the plate parts. Safety device.

**An application machine designed to replace the manual hand press.**

## Occhiellatrice a mano

Manual eyeleting

**RIVOM09**

31502

Peso (kg)	Tipo	Codice
Weight (kg)	Model	Item code
12	RIVOM09	4527000

### Caratteristiche tecniche

#### Technical features

Altezza   Height	500 mm
Base   Base dimensions	240 x 300 mm
Profondità lavoro   Work depth	125 mm



Distanza regolabile tra i punzoni.  
Supporto in ghisa meccanica.  
Tavola d'appoggio in lamiera verniciata.  
**Macchina con caricatore, adatta per l'applicazione di occhielli di piccole dimensioni.**  
Adjustable distance between the punches.  
Support made of cast iron. Base in painted sheet metal.  
**Machine features charger, it is suitable for the application of small eyelets.**

## Occhiellatrice portatile a leva

Portable lever eyeleting

**RIVOM12**

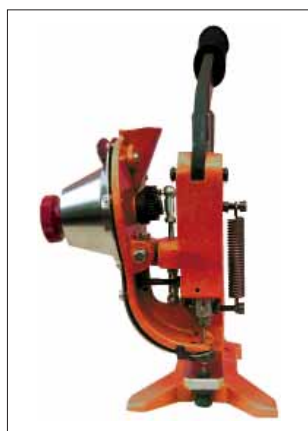
31502

Peso (kg)	Tipo	Codice
Weight (kg)	Model	Item code
9	RIVOM12	2484500

### Caratteristiche tecniche

#### Technical features

Altezza   Height	350 mm
Larghezza   Base width	210 mm
Profondità di lavoro   Work depth	95 mm



**Occhiellatrice manuale da tavolo adatta per l'applicazione di occhielli di piccole dimensioni. (max foro 4 mm)**  
Indicata per l'utilizzo in uffici comunali, per sigillare tessere o buste.  
Caricamento automatico.  
**Manual table eyeleting suitable for the application of small eyelets. (max hole 4 mm)**  
Designed for use in municipal offices, to seal cards or envelopes.  
Automatic loading.

# Ribaditrice a movimento orbitale

## Orbital riveting machine

**RIV3450P**

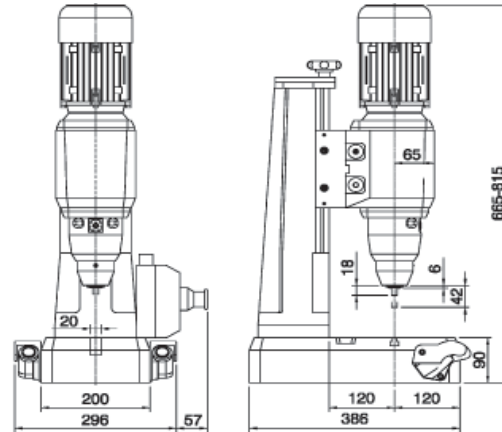
43114

Tipo	Codice
Model	Item code
RIV3450P	4485500



**Indicata per ribattini pieni da Ø 2.0 a Ø 6.0, e ribattini semiforati o forati da Ø 3.0 a Ø 8.0.**  
**For solid rivets from Ø 2.0 to 6.0, and for semi-tubular and tubular rivets from Ø 3.0 to 8.0.**

RIV3450P è una ribaditrice elettro pneumatica da banco, per lavorazioni industriali o artigianali. Utilizzata per lavorare su metalli e resine dure e non per fibre di legno e materie plastiche.  
 RIV3450P is an electro pneumatic bench tool for rivets, for industry and professional applications. Ideal to be used on metal and hard resins and not on wood fibres and plastics.



### Accessori a richiesta

Optionals

Descrizione	Codice
Description	Item code
Coppia punzoni per ribattini pieni Ø 2.0-4.0 Couple of punches for solid rivets Ø 2.0-4.0	4485600
Coppia punzoni per ribattini pieni Ø 5.0-6.0 Couple of punches for solid rivets Ø 5.0-6.0	4485700

**RIV3450P viene fornita senza punzone e matrice.**  
**RIV3450P comes without punch and die.**

### Dati tecnici e caratteristiche

Technical data and features

Capacità ribaditura pieno acciaio R=40 kg/mm <sup>2</sup> Riveting capacity solid steel R=40 kg/mm <sup>2</sup>	Ø 2.0-6.0 mm
Capacità ribaditura semif. acciaio R=40 kg/mm <sup>2</sup> Riveting capacity semi tubular steel R=40 kg/mm <sup>2</sup>	Ø 2.0-8.0 mm
Capacità ribaditura pieno inox R=40 kg/mm <sup>2</sup> Riveting capacity solid s/steel R=40 kg/mm <sup>2</sup>	Ø 2.0-4.0 mm
Capacità ribaditura semif. inox R=40 kg/mm <sup>2</sup> Riveting capacity semi tubular s/steel R=40 kg/mm <sup>2</sup>	Ø 2.0-5.0 mm
Corsa a regolazione micrometrica Micrometric control stroke	0-30 mm
Luca minima e massima Port min and max	35-185 mm
Piano di lavoro Work table	220x185 mm
Scanalatura a "T" "T" slot	8 x 16 mm
Foro base per matrice Locating hole	20 mm
Diametro portautensili Tool holder diameter	10 mm
Interasse Distance between centers	120 mm
Lunghezza punzone Punch length	39 mm
Tensione elettrica Electrical voltage	380V/50Hz
Pressione di linea Line pressure	3.0-6.0 bar
Pressione di lavoro Working pressure	2.5-6.0 bar
Peso totale Total weight	71 kg



Matrice da realizzare a richiesta in base alle dimensioni e forma della testa del ribattino.

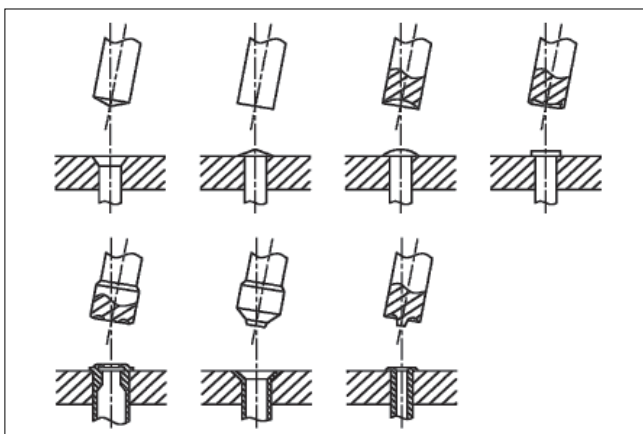
Per i ribattini semiforati e forati, necessita creare un punzone in base alle dimensioni del foro interno, esterno e sporgenza del ribattino stesso della superficie utilizzata.

Tailored-made punch to be realized according to size and shape of the rivet head.

For the semi-tubular and tubular rivets, it is necessary to make a punch according to the size of the inner and outer hole and the rivet ledge from the surface.

### Esempi di ribaditura

Processing examples



# Ribattitore pneumatico a pistola

## Pneumatic riveting gun

**MC121**

43114



Tipo	Codice
Model	Item code
MC121	0589200

Indicato per ribattini semiforati e per l'esecuzione di lavori di scalpellatura.  
Ideal for semitubular rivets and for chiselling works.

### Accessori a richiesta

Optionals



Tipo	Ø A	Ø B	Descrizione	Codice
Model	mm	mm	Description	Item code
AV1-22S-16	10.2	13.0	Punzone testa Ø 13 Punch Ø 13 head	0589700
AV1-22S-20	10.2	16.0	Punzone testa Ø 16 Punch Ø 16 head	0589800
AV1-22S-24	10.2	19.0	Punzone testa Ø 19 Punch Ø 19 head	3579000



Tipo	Ø A	Ø B	Descrizione	Codice
Model	mm	mm	Description	Item code
AV1-126D	10.2	25.0	Punzone testa piatta Ø 25 Punch Ø 25 flat head	0589500



Tipo	L	Descrizione	Codice
Model	mm	Description	Item code
WF-14A-6 1/8	156.0	Punzone a scalpello Chisel punch	0589600



Tipo	Ø A	Ø B	Descrizione	Codice
Model	mm	mm	Description	Item code
116-70	10.2	13.0	Punzone a punta Tip punch	0589900



Tipo	Descrizione	Codice
Model	Description	Item code
AVC10-183A	Molla di ricambio Spare spring	0589400

MC121 viene fornita senza accessori.  
MC121 is provided without accessories.

### Dati tecnici e caratteristiche

Technical data and features

Numero di colpi al minuto Strokes per minute	3000
Impugnatura utensili tonda Round tool handle	10.2 mm
Collegamento aria Air connector	G 1/4" femmina
Pressione di lavoro Working pressure	6.2 bar
Consumo aria Air consumption	300 nl/1'
Peso Weight	1.6 kg
Lunghezza totale Total length	170 mm
Vibrazioni Vibrations	5.5 m/s <sup>2</sup>
Rumorosità Noise level	99 dB (A)



Ribattitore con punzone montato.  
Riveting gun with punch.

**Il punzone per ribattini semiforati deve essere sagomato in punta, in base al diametro del ribattino.**  
The punch for semi-tubular rivets must have the tip shaped, according to the diameter of the rivet.