

4



PERNI A SALDARE

WELDING STUDS

SCHWEISSBOLZEN

GOUJONS À SOUDER

PERNOS PARA SOLDAR



ISTRUZIONI PER LA SALDATURA

A SCARICA DI CONDENSATORI

INSTRUCTIONS FOR CAPACITOR DISCHARGE WELDING

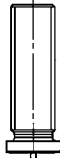
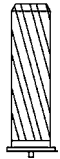
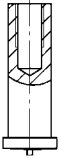
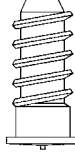
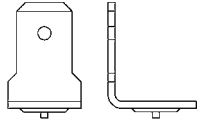
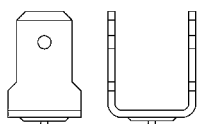
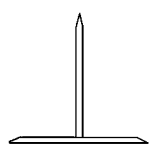
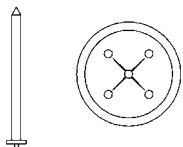
SCHWEISSANLEITUNG FÜR SPITZENZÜNDUNG

INSTRUCTIONS POUR LE SOUDAGE PAR DÉCHARGE DE CONDENSATEURS

INSTRUCCIONES DE SOLDADURA POR DESCARGA

		Materiale della base / Workpiece Material								
		ACCIAIO fino a C35 STEEL MAX C35	ACCIAIO fino a C60 STEEL MAX C60	ACCIAIO ZINCATO STEEL ZINC PLATED	ACCIAIO INOX STAINLESS STEEL	OTTONE BRASS	RAME COPPER	Al 99,5	Al Mg3	Al Mg5
Materiale prigioniero / Stud Material	ACCIAIO 4.8 RAMATO STEEL 4.8 COPPER PLATED	OK	NO	+ / -	+/-	+/-	+/-	NO	NO	NO
	ACCIAIO INOX A2-50 STAINLESS STEEL A2-50	OK	+/-	+/-	OK	+/-	+/-	NO	NO	NO
	ALLUMINIO AlMg3 ALUMINIUM AlMg3	NO	NO	NO	NO	NO	NO	+/-	OK	+/-
	OTTONE BRASS	OK	NO	OK	+/-	OK	OK	NO	NO	NO

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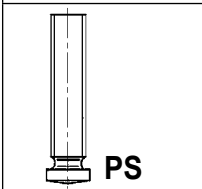
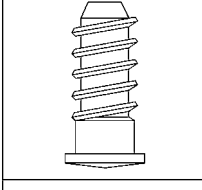
INDICE GENERALE

GENERAL INDEX

INHALTSVERZEICHNIS

SOMMAIRE GÉNÉRAL

INDICE GENERAL

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PERNI FILETTATI A SALDARE A SCARICA DI CONDENSATORI

CAPACITOR DISCHARGE STUDS WITH EXTERNAL THREAD

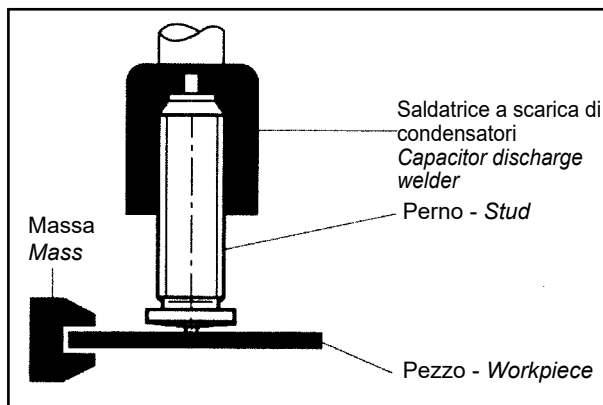
GEWINDEBOLZEN FÜR SPITZENZÜNDUNG

GOIJONS FILETÉS À SOUDER PAR DÉCHARGE DE CONDENSATEURS

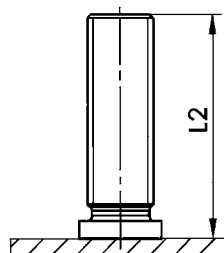
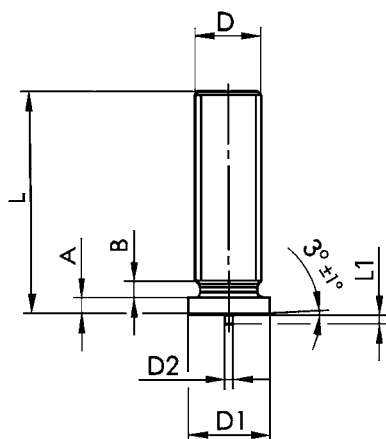
PERNOS CON ROSCA EXTERIOR PARA SOLDAR CON DESCARGA

DIN EN ISO 13918

PT



PRIMA DELLA SALDATURA
BEFORE WELDING
VOR DEM SCHWEISSEN
AVANT SOUDAGE
ANTES DE SOLDAR



DOPO LA SALDATURA
AFTER WELDING
NACH DEM SCHWEISSEN
APRÈS SOUDAGE
DESPUES DE SOLDAR

D	L + 0,6	D1 ± 0,2	D2 ± 0,08	L1 ± 0,05	A	B max	L2
M3	vedi pag. 5 see page 5	4,5	0,60	0,55	1,4-0,7	1,5	L-0,3
M4		5,5	0,65				
M5		6,5	0,75	0,80	1,4-0,6	2	
M6		7,5					
M8		9,0		0,85	1,8-0,6	3	
* M10		11,0					
* M12		12,6 ± 0,1				L-0,6	

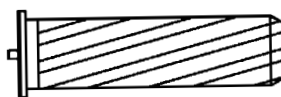
* M10 - * M12 FIXI STANDARD

PERNI PER LA VERNICIATURA A RICHIESTA
LACQUER GROOVE STUDS FOR PAINTING
ON REQUEST

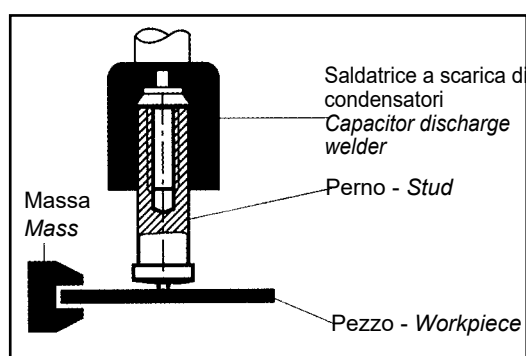
LACKBOLZEN AUF ANFRAGE

GOIJONS AVEC RAINURE SUR DEMANDE

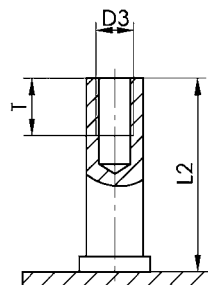
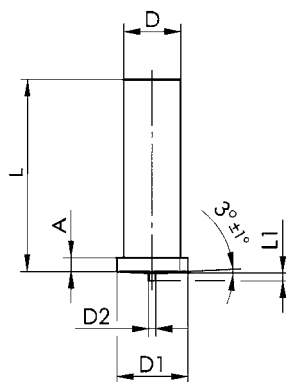
PERNOS SOLDAR LACQUER GROOVE BAJO SOLICITUD



ACCIAIO 4.8 RAMATO STEEL 4.8 COPPER PLATED STAHL 4.8 VERKUPFERT ACIER 4.8 CUIVRE ACERO 4.8 COBREADO			ACCIAIO INOX A2-50 STAINLESS STEEL A2-50 ROSTFREIER STAHL A2-50 INOX A2-50 INOX A2-50			ALLUMINIO AIMg3 ALUMINIUM AIMg3 ALUMINIUM AIMg3 ALUMINIUM AIMg3 ALUMINIO AIMg3			OTTONE CuZn37 BRASS CuZn37 MESSING CuZn37 LAITON CuZn37 LATÓN CuZn37		
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BUSSOLE FILETTATE A SALDARE A SCARICA DI CONDENSATORI*CAPACITOR DISCHARGE STUDS WITH INTERNAL THREAD**INNENGEWINDEBUCHSEN FÜR SPITZENZÜNDUNG**DOUILLES TARAUDÉES À SOUDER PAR DÉCHARGE DE CONDENSATEURS**PERNOS CON ROSCA INTERIOR PARA SOLDAR CON DESCARGA***DIN EN ISO 13918****IT**

PRIMA DELLA SALDATURA
BEFORE WELDING
VOR DEM SCHWEISSEN
AVANT SOUDAGE
ANTES DE SOLDAR



DOPO LA SALDATURA
AFTER WELDING
NACH DEM SCHWEISSEN
APRÈS SOUDAGE
DESPUES DE SOLDAR

D ± 0,1	L + 0,3	D1 ± 0,2	D2 ± 0,08	L1 ± 0,05	A	D3	T + 0,5	L2	
ø5	vedi pag. 7 see page 7	6,5	0,75	0,80	1,4-0,7	M3	5	L-0,3	
ø6		7,5				M4	6		
ø7,1		9		0,85	1,4-0,6	M5	7,5		
* ø8						M6			
* ø10,8		11,6 ±0,1			1,8-0,6	M8	10		

* ø8 - * ø10 FIXI STANDARD

ACCIAIO 4.8 RAMATO STEEL 4.8 COPPER PLATED STAHL 4.8 VERKUPFERT ACIER 4.8 CUIVRE ACERO 4.8 COBREADO			ACCIAIO INOX STAINLESS STEEL ROSTFREIER STAHL INOX INOX			ALLUMINIO AIMg3 ALUMINIUM AIMg3 ALUMINIUM AIMg3 ALUMINIUM AIMg3 ALUMINIO AIMg3			OTTONE CuZn37 BRASS CuZn37 MESSING CuZn37 LAITON CuZn37 LATÓN CuZn37		
Filetto Thread Size	Lunghezza Length	Codice Code	Filetto Thread Size	Lunghezza Length	Codice Code	Filetto Thread Size	Lunghezza Length	Codice Code	Filetto Thread Size	Lunghezza Length	Codice Code
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	40	03ARBU81040		40	03IXBU81040		40	03ALBU81040		40	03OTBU81040

PERNI LISCI A SALDARE A SCARICA DI CONDENSATORI

NON - THREADED CAPACITOR DISCHARGE STUDS

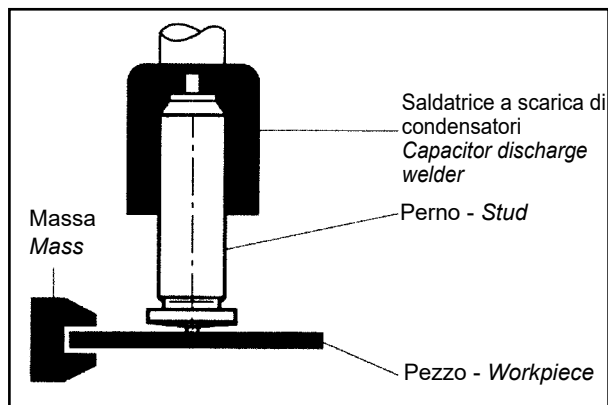
STIFTE FÜR SPITZENZÜNDUNG

GOUJONS LISSES À SOUDER PAR DÉCHARGE DE CONDENSATEURS

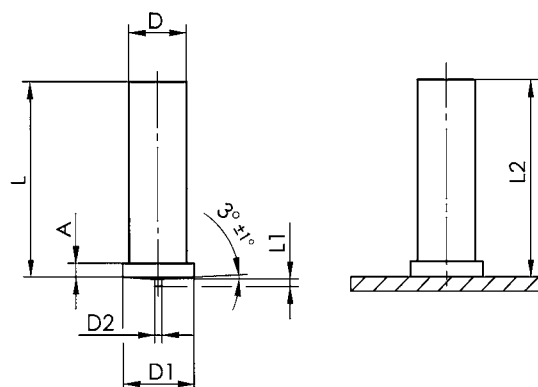
PERNOS SIN ROSCA PARA SOLDAR CON DESCARGA

DIN EN ISO 13918

UT



PRIMA DELLA SALDATURA
BEFORE WELDING
VOR DEM SCHWEISSEN
AVANT SOUDAGE
ANTES DE SOLDAR



DOPO LA SALDATURA
AFTER WELDING
NACH DEM SCHWEISSEN
APRÈS SOUDAGE
DESPUES DE SOLDAR

D ± 0,1	L + 0,6	D1 ± 0,2	D2 ± 0,08	L1 ± 0,05	A	L2	
ø3	vedi pag. 9 see page 9	4,5	0,60	0,55	1,4-0,7	L-0,3	
ø4		5,5	0,65				
ø5		6,5	0,80				
ø6		7,5					
ø7,1		9,0		0,75	0,85		1,4-0,6
ø8							
* ø10,8		11,6 ± 0,1			1,8-0,6	L-0,6	

* ø10,8 FIXI STANDARD

ACCIAIO 4.8 RAMATO STEEL 4.8 COPPER PLATED STAHL 4.8 VERKUPFERT ACIER 4.8 CUIVRE ACERO 4.8 COBREADO			ACCIAIO INOX A2-50 STAINLESS STEEL A2-50 ROSTFREIER STAHL A2-50 INOX A2-50 INOX A2-50			ALLUMINIO AIMg3 ALUMINIUM AIMg3 ALUMINIUM AIMg3 ALUMINIUM AIMg3 ALUMINIO AIMg3			OTTONE CuZn37 BRASS CuZn37 MESSING CuZn37 LAITON CuZn37 LATÓN CuZn37		
Diametro Diameter	Lunghezza Length	Codice Code	Diametro Diameter	Lunghezza Length	Codice Code	Diametro Diameter	Lunghezza Length	Codice Code	Diametro Diameter	Lunghezza Length	Codice Code
Ø 3	6	03 ARPL306	Ø 3	6	03IXPL306	Ø 3	6	03ALPL306	Ø 3	6	03OTPL306
	8	03 ARPL308		8	03IXPL308		8	03ALPL308		8	03OTPL308
	10	03 ARPL310		10	03IXPL310		10	03ALPL310		10	03OTPL310
	12	03 ARPL312		12	03IXPL312		12	03ALPL312		12	03OTPL312
	15	03 ARPL315		15	03IXPL315		15	03ALPL315		15	03OTPL315
	16	03 ARPL316		16	03IXPL316		16	03ALPL316		16	03OTPL316
	20	03 ARPL320		20	03IXPL320		20	03ALPL320		20	03OTPL320
	25	03 ARPL325		25	03IXPL325		25	03ALPL325		25	03OTPL325
Ø 4	30	03 ARPL330	Ø 4	30	03IXPL330	Ø 4	30	03ALPL330	Ø 4	30	03OTPL330
	6	03 ARPL406		6	03IXPL406		6	03ALPL406		6	03OTPL406
	8	03 ARPL408		8	03IXPL408		8	03ALPL408		8	03OTPL408
	10	03 ARPL410		10	03IXPL410		10	03ALPL410		10	03OTPL410
	12	03 ARPL412		12	03IXPL412		12	03ALPL412		12	03OTPL412
	15	03 ARPL415		15	03IXPL415		15	03ALPL415		15	03OTPL415
	16	03 ARPL416		16	03IXPL416		16	03ALPL416		16	03OTPL416
	20	03 ARPL420		20	03IXPL420		20	03ALPL420		20	03OTPL420
Ø 5	25	03 ARPL425	Ø 5	25	03IXPL425	Ø 5	25	03ALPL425	Ø 5	25	03OTPL425
	30	03 ARPL430		30	03IXPL430		30	03ALPL430		30	03OTPL430
	35	03 ARPL435		35	03IXPL435		35	03ALPL435		35	03OTPL435
	8	03 ARPL508		8	03IXPL508		8	03ALPL508		8	03OTPL508
	10	03 ARPL510		10	03IXPL510		10	03ALPL510		10	03OTPL510
	12	03 ARPL512		12	03IXPL512		12	03ALPL512		12	03OTPL512
	15	03 ARPL515		15	03IXPL515		15	03ALPL515		15	03OTPL515
	16	03 ARPL516		16	03IXPL516		16	03ALPL516		16	03OTPL516
Ø 6	20	03 ARPL520	Ø 6	20	03IXPL520	Ø 6	20	03ALPL520	Ø 6	20	03OTPL520
	25	03 ARPL525		25	03IXPL525		25	03ALPL525		25	03OTPL525
	30	03 ARPL530		30	03IXPL530		30	03ALPL530		30	03OTPL530
	35	03 ARPL535		35	03IXPL535		35	03ALPL535		35	03OTPL535
	40	03 ARPL540		40	03IXPL540		40	03ALPL540		40	03OTPL540
	50	03 ARPL550		50	03IXPL550		50	03ALPL550		50	03OTPL550
	8	03 ARPL608		8	03IXPL608		8	03ALPL608		8	03OTPL608
	10	03 ARPL610		10	03IXPL610		10	03ALPL610		10	03OTPL610
Ø 7,1	12	03 ARPL612	Ø 7,1	12	03IXPL612	Ø 7,1	12	03ALPL612	Ø 7,1	12	03OTPL612
	15	03 ARPL615		15	03IXPL615		15	03ALPL615		15	03OTPL615
	16	03 ARPL616		16	03IXPL616		16	03ALPL616		16	03OTPL616
	20	03 ARPL620		20	03IXPL620		20	03ALPL620		20	03OTPL620
	25	03 ARPL625		25	03IXPL625		25	03ALPL625		25	03OTPL625
	30	03 ARPL630		30	03IXPL630		30	03ALPL630		30	03OTPL630
	35	03 ARPL635		35	03IXPL635		35	03ALPL635		35	03OTPL635
	40	03 ARPL640		40	03IXPL640		40	03ALPL640		40	03OTPL640
Ø 8	45	03 ARPL645	Ø 8	45	03IXPL645	Ø 8	45	03ALPL645	Ø 8	45	03OTPL645
	50	03 ARPL650		50	03IXPL650		50	03ALPL650		50	03OTPL650
	10	03 ARPL710		10	03IXPL710		10	03ALPL710		10	03OTPL710
	12	03 ARPL712		12	03IXPL712		12	03ALPL712		12	03OTPL712
	15	03 ARPL715		15	03IXPL715		15	03ALPL715		15	03OTPL715
	16	03 ARPL716		16	03IXPL716		16	03ALPL716		16	03OTPL716
	20	03 ARPL720		20	03IXPL720		20	03ALPL720		20	03OTPL720
	25	03 ARPL725		25	03IXPL725		25	03ALPL725		25	03OTPL725
Ø 10	30	03 ARPL730	Ø 10	30	03IXPL730	Ø 10	30	03ALPL730	Ø 10	30	03OTPL730
	35	03 ARPL735		35	03IXPL735		35	03ALPL735		35	03OTPL735
	40	03 ARPL740		40	03IXPL740		40	03ALPL740		40	03OTPL740
	45	03 ARPL745		45	03IXPL745		45	03ALPL745		45	03OTPL745
	50	03 ARPL750		50	03IXPL750		50	03ALPL750		50	03OTPL750
	55	03 ARPL755		55	03IXPL755		55	03ALPL755		55	03OTPL755
	12	03 ARPL812		12	03IXPL812		12	03ALPL812		12	03OTPL812
	15	03 ARPL815		15	03IXPL815		15	03ALPL815		15	03OTPL815
Ø 10	16	03 ARPL816	Ø 10	16	03IXPL816	Ø 10	16	03ALPL816	Ø 10	16	03OTPL816
	20	03 ARPL820		20	03IXPL820		20	03ALPL820		20	03OTPL820
	25	03 ARPL825		25	03IXPL825		25	03ALPL825		25	03OTPL825
	30	03 ARPL830		30	03IXPL830		30	03ALPL830		30	03OTPL830
	35	03 ARPL835		35	03IXPL835		35	03ALPL835		35	03OTPL835
	40	03 ARPL840		40	03IXPL840		40	03ALPL840		40	03OTPL840
	15	03 ARPL1015		15	03IXPL1015		15	03ALPL1015		15	03OTPL1015
	20	03 ARPL1020		20	03IXPL1020		20	03ALPL1020		20	03OTPL1020
Ø 10	25	03 ARPL1025	Ø 10	25	03IXPL1025	Ø 10	25	03ALPL1025	Ø 10	25	03OTPL1025
	30	03 ARPL1030		30	03IXPL1030		30	03ALPL1030		30	03OTPL1030
	35	03 ARPL1035		35	03IXPL1035		35	03ALPL1035		35	03OTPL1035
	40	03 ARPL1040		40	03IXPL1040		40	03ALPL1040		40	03OTPL1040

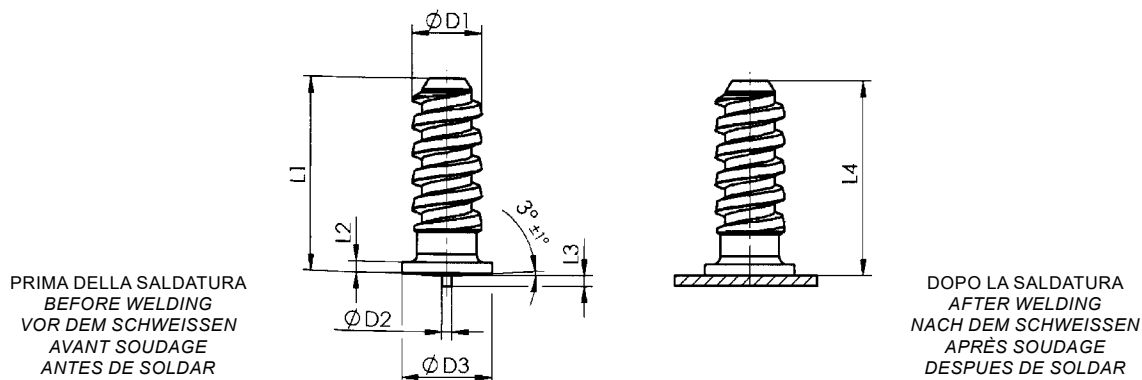
PERNI SPECIALI A SCARICA DI CONDENSATORI

CAPACITOR DISCHARGE COARSE THREADED STUDS

GROBGEWINDEBOLZEN FÜR SPITZENZÜNDUNG

GOIJONS SAPIN PAR DÉCHARGE DE CONDENSATEURS

PERNOS DE VARILLA PARA SOLDAR CON DESCARGA



D1	D2 ± 0,08	D3 ± 0,2	L1 + 0,6	L2	L3 ± 0,05	L4
ø5	0,75	6,5		1,4-0,6	0,8	L1-0,3

ACCIAIO 4.8 RAMATO STEEL 4.8 COPPER PLATED STAHL 4.8 VERKUPFERT ACIER 4.8 CUIVRÉ ACERO 4.8 COBREDO			ACCIAIO INOX A2-50 STAINLESS STEEL A2-50 ROSTFREIER STAHL A2-50 INOX A2-50 INOX A2-50		
Diametro Diameter	Lunghezza Length	Codice Code	Diametro Diameter	Lunghezza Length	Codice Code
Ø 5	9	03ARAN509CP	Ø 5	9	03IXAN509CP
	14,2	03ARAN515CP		14,2	03IXAN515CP
	16,5	03ARAN516CP		16,5	03IXAN516CP
	18	03ARAN518CP		18	03IXAN518CP
	25	03ARAN525CP		25	03IXAN525CP

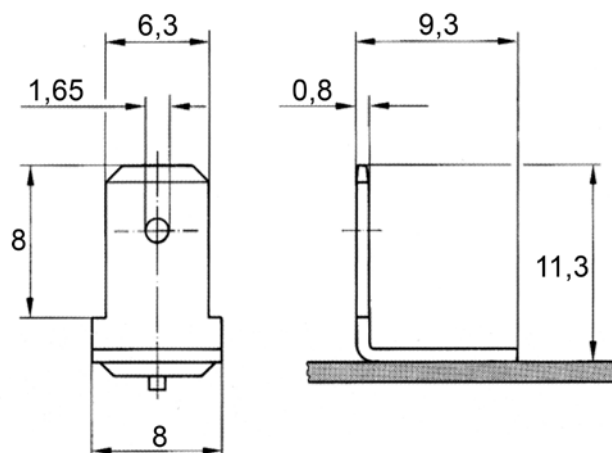
FASTON A SCARICA DI CONDENSATORI

CAPACITOR DISCHARGE FASTON

FLACHSTECKER FÜR SPITZENZÜNDUNG

COSSE PAR DÉCHARGE DE CONDENSATEURS

FASTON PARA SOLDAR CON DESCARGA



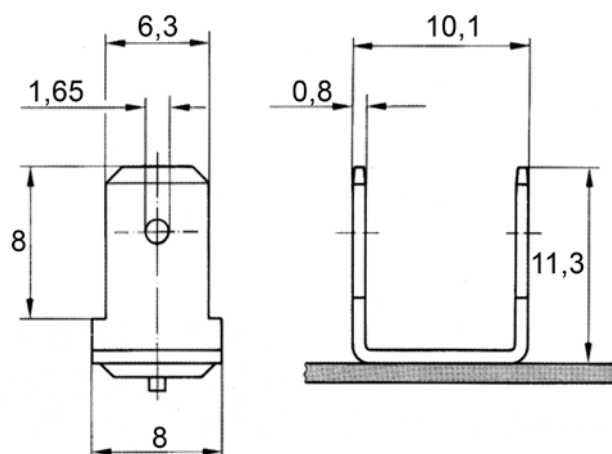
PRIMA DELLA SALDATURA
BEFORE WELDING
VOR DEM SCHWEISSEN
AVANT SOUDAGE
ANTES DE SOLDAR

DOPO LA SALDATURA
AFTER WELDING
NACH DEM SCHWEISSEN
APRÈS SOUDAGE
DESPUES DE SOLDAR

FASTON SINGOLO
SINGLE FASTON
FLACHSTECKER
COSSE SIMPLE
FASTON SIMPLE



ACCIAIO 4.8 RAMATO STEEL 4.8 COPPER PLATED STAHL 4.8 VERKUPFERT ACIER 4.8 CUIVRE ACERO 4.8 COBREDO	ACCIAIO INOX A2-50 STAINLESS STEEL A2-50 ROSTFREIER STAHL A2-50 INOX A2-50 INOX A2-50	ALLUMINIO AIMg3 ALUMINIUM AIMg3 ALUMINIUM AIMg3 ALUMINIUM AIMg3 ALUMINIO AIMg3	OTTONE CuZn37 BRASS CuZn37 MESSING CuZn37 LAITON CuZn37 LATÓN CuZn37
Codice Code	Codice Code	Codice Code	Codice Code
03ARFS	03IXFS	03ALFS	03CUFS



PRIMA DELLA SALDATURA
BEFORE WELDING
VOR DEM SCHWEISSEN
AVANT SOUDAGE
ANTES DE SOLDAR

DOPO LA SALDATURA
AFTER WELDING
NACH DEM SCHWEISSEN
APRÈS SOUDAGE
DESPUES DE SOLDAR

FASTON DOPPIO
DOUBLE FASTON
DOPPEL FLACHSTECKER
COSSE DOUBLE
FASTON DOBLE



ACCIAIO 4.8 RAMATO STEEL 4.8 COPPER PLATED STAHL 4.8 VERKUPFERT ACIER 4.8 CUIVRE ACERO 4.8 COBREDO	ACCIAIO INOX A2-50 STAINLESS STEEL A2-50 ROSTFREIER STAHL A2-50 INOX A2-50 INOX A2-50	ALLUMINIO AIMg3 ALUMINIUM AIMg3 ALUMINIUM AIMg3 ALUMINIUM AIMg3 ALUMINIO AIMg3	OTTONE CuZn37 BRASS CuZn37 MESSING CuZn37 LAITON CuZn37 LATÓN CuZn37
Codice Code	Codice Code	Codice Code	Codice Code
03ARFD	03IXFD	03ALFD	03CUFD

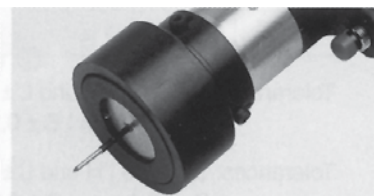
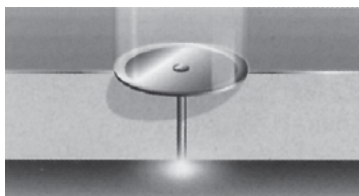
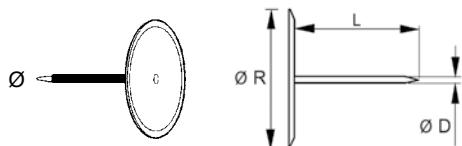
CHIODI PER ISOLAMENTO A SCARICA DI CONDENSATORI

CAPACITOR DISCHARGE INSULATION PINS

TELLERSTIFTE MIT ISOLIERUNG

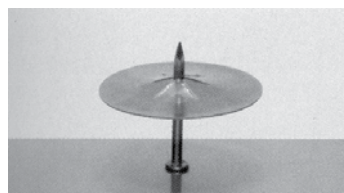
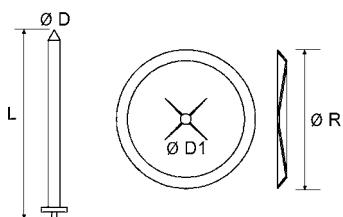
CLOU D'ISOLATION PAR DÉCHARGE DE CONDENSATEURS

PINS DE AISLAMIENTO PARA SOLDAR CON DESCARGA



ACCIAIO 4.8 RAMATO
STEEL 4.8 COPPER PLATED
STAHL 4.8 VERKUPFERT
ACIER 4.8 CUIVRÉ
ACERO 4.8 COBREDO

L	Ø D	R
± 0,2	± 0,05	± 0,2
9,5 - 203	2	30
9,5 - 203	2.7	30 - 38



ACCIAIO 4.8 RAMATO
STEEL 4.8 COPPER PLATED
STAHL 4.8 VERKUPFERT
ACIER 4.8 CUIVRÉ
ACERO 4.8 COBREDO

L	Ø D	Ø D1	R
20 - 150	2	1,8	38
20 - 150	2,6	2,4	38
20 - 150	3	2,8	38 - 60

ACCIAIO INOX A2-50
STAINLESS STEEL A2-50
ROSTFREIER STAHL A2-50
INOX A2-50
INOX A2-50

L	Ø D	Ø D1	R
20 - 150	2	1,8	38
20 - 150	2,6	2,4	38
20 - 150	3	2,8	38 - 60

SALDATRICI A SCARICA DI CONDENSATORI

CAPACITOR DISCHARGE WELDERS

SCHWEISSGERÄTE FÜR SPITZENZÜNDUNG

SOUDEUSE PAR DÉCHARGE DE CONDENSATEURS

SOLDADOR POR DESCARGA

COD./CODE
03BB33



Caratteristiche tecniche Technical features	
Pezzi saldabili al minuto <i>Weldable pieces per minute</i>	max 14 ÷ 45
Dimensioni corpo macchina <i>Machine body dimensions</i>	16x42x23
Alimentazione <i>Power supply</i>	230V - 50Hz
Capacità <i>Capacity</i>	33.000 uF
Energia <i>Electricity</i>	700 Joule
Tempo max di ricarica <i>Max recharging time</i>	5,5 sec.
Potenza max assorbita <i>Max power consumption</i>	500 W
Grado di protezione <i>Degree of protection</i>	IP 23
Peso corpo macchina <i>Machine body weight</i>	12,5 Kg

UTILIZZO CAPACITY			
FILETTO THREAD	ALLUMINIO ALUMINIUM	ACCIAIO STEEL	INOX STAINLESS STEEL
M3	●	●	●
M4	●	●	●
M5		●	

**CODICE
CODE**

04PPM3

04PPM4

04PPM5

Porta perni
Chuck
Bolzenhalter
Mandrin
Porta terminal



PORTA PERNI PER FASTON

CHUCK FOR FASTON
BOLZENHALTER FÜR FLACHSTECKER
MANDRIN POUR COSSE
PORTA TERMINAL PARA FASTON



04PF

ANGOLARE

CORNER CANTILEVER
WINKELTRÄGER
MANDRIN ANGULAIRE
ESCUADRA



04A

SALDATRICI A SCARICA DI CONDENSATORI

CAPACITOR DISCHARGE WELDERS

SCHWEISSGERÄTE FÜR SPITZENZÜNDUNG

SOUDEUSE PAR DÉCHARGE DE CONDENSATEURS

SOLDADOR POR DESCARGA

CODICE/CODE

03BB70

Caratteristiche tecniche Technical features	
Pezzi saldabili al minuto <i>Weldable pieces per minute</i>	7 ÷ 20
Dimensioni corpo macchina <i>Machine body dimensions</i>	16x42x23 cm
Alimentazione <i>Power supply</i>	230V - 50Hz
Capacità <i>Capacity</i>	66.000 uF
Energia <i>Electricity</i>	1.320 Joule
Tempo max di ricarica <i>Max recharging time</i>	5 sec.
Potenza max assorbita <i>Max power consumption</i>	600 W
Grado di protezione <i>Degree of protection</i>	IP 23
Peso corpo macchina <i>Machine body weight</i>	14,2 Kg

UTILIZZO CAPACITY			
FILETTO THREAD	ALLUMINIO ALUMINIUM	ACCIAIO STEEL	INOX STAINLESS STEEL
M3	●	●	●
M4	●	●	●
M5	●	●	●
M6	●	●	●
M8		●	

CODICE/CODE

03BB702P

DISPONIBILE LA VERSIONE 70 2P CON N. 2 PISTOLE
 70 2P VERSION AVAILABLE WITH TWO GUNS
 VERFÜGBAR VERSION 70 2P MIT 2 SCHWEISSPISTOLEN
 DISPONIBLE LA VERSION 70 2P AVEC 2 PISTOLETS
 DISPONIBLE LA VERSION 70 2P CON 2 PISTOLAS

PESO / DIMENSIONI
WEIGHT / DIMENSION
 21,5 Kg. 30x36x24 Cm.

CODICE CODE	Porta perni Chuck Bolzenhalter Mandrin Porta terminal	
04PPM3		
04PPM4		
04PPM5		
04PPM6		
04PPM8		

PORTA PERNI PER FASTON

CHUCK FOR FASTON
 BOLZENHALTER FÜR FLACHSTECKER
 MANDRIN POUR COSSE
 PORTA TERMINAL PARA FASTON

**04PF****ANGOLARE**

CORNER CANTILEVER
 WINKELTRÄGER
 MANDRIN ANGULAIRE
 ESCUADRA

**04A**

SALDATRICI A SCARICA DI CONDENSATORI

CAPACITOR DISCHARGE WELDERS

SCHWEISSGERÄTE FÜR SPITZENZÜNDUNG

SOUDEUSE PAR DÉCHARGE DE CONDENSATEURS

SOLDADOR POR DESCARGA

CODICE/CODE
03BB90



Caratteristiche tecniche Technical features	
Pezzi saldabili al minuto <i>Weldable pieces per minute</i>	11 ÷ 35
Dimensioni corpo macchina <i>Machine body dimensions</i>	16x42x23 cm
Alimentazione <i>Power supply</i>	230V - 50/60 Hz
Capacità <i>Capacity</i>	99.000 uF
Energia <i>Electricity</i>	2.100 Joule
Tempo max di ricarica <i>Max recharging time</i>	5,5 sec.
Potenza max assorbita <i>Max power consumption</i>	900 W
Grado di protezione <i>Degree of protection</i>	IP 23
Peso corpo macchina <i>Machine body weight</i>	17 Kg

UTILIZZO CAPACITY			
FILETTO THREAD	ALLUMINIO ALUMINIUM	ACCIAIO STEEL	INOX STAINLESS STEEL
M3	●	●	●
M4	●	●	●
M5	●	●	●
M6	●	●	●
M8	●	●	●
M10		●	

CODICE/CODE
03BB902P

DISPONIBILE LA VERSIONE 90 2P CON N. 2 PISTOLE
90 2P VERSION AVAILABLE WITH TWO GUNS
VERFÜGBAR VERSION 90 2P MIT 2 SCHWEISSPISTOLEN
DISPONIBLE LA VERSION 90 2P AVEC 2 PISTOLETS
DISPONIBLE LA VERSION 90 2P CON 2 PISTOLAS

PESO / DIMENSIONI
WEIGHT / DIMENSION
21,5 Kg. 30x36x24 Cm.

CODICE CODE	Porta perni Chuck Bolzenhalter Mandrin Porta terminal	
04PPM3		
04PPM4		
04PPM5		
04PPM6		
04PPM8		
04PPM10		

PORTA PERNI PER FASTON

CHUCK FOR FASTON
BOLZENHALTER FÜR FLACHSTECKER
MANDRIN POUR COSSE
PORTA TERMINAL PARA FASTON



04PF

ANGOLARE

CORNER CANTILEVER
WINKELTRÄGER
MANDRIN ANGULAIRE
ESCUADRA



04A

PERNI A SALDARE AD ARCO CORTO

DRAWN-ARC STUDS

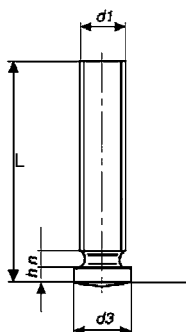
KURZZEITHUBZÜNDUNG BOLZEN

GOIJONS À SOUDER EN ARC TEMPS COURT

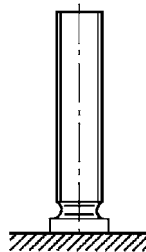
PERNOS SOLDADURA CON ARCO CORTO

DIN EN ISO 13918

PS



PRIMA DELLA SALDATURA
BEFORE WELDING
VOR DEM SCHWEISSEN
AVANT SOUDAGE
ANTES DE SOLDAR



DOPO LA SALDATURA
AFTER WELDING
NACH DEM SCHWEISSEN
APRÈS SOUDAGE
DESPUES DE SOLDAR

d1	M5	M6	M8	M10	M12
d3 ± 0,2	6	7	9	11	12,60
h	0,7 - 1,4		0,8 - 1,4		
n max	1		1,5	2	
L					

ACCIAIO 4.8 RAMATO
STEEL 4.8 COPPER PLATED
STAHL 4.8 VERKUPFERT
ACIER 4.8 CUIVRÉ
ACERO 4.8 COBREADO

Filetto Thread Size	Lunghezza Length	Codice Code
M5	8	03ARPR508AC
	10	03ARPR510AC
	12	03ARPR512AC
	15	03ARPR515AC
	16	03ARPR516AC
	20	03ARPR520AC
	25	03ARPR525AC
	30	03ARPR530AC
M6	10	03ARPR610AC
	12	03ARPR612AC
	15	03ARPR615AC
	16	03ARPR616AC
	20	03ARPR620AC
	25	03ARPR625AC
	30	03ARPR630AC
	35	03ARPR635AC
	40	03ARPR640AC
	45	03ARPR645AC
	50	03ARPR650AC

ACCIAIO 4.8 RAMATO
STEEL 4.8 COPPER PLATED
STAHL 4.8 VERKUPFERT
ACIER 4.8 CUIVRÉ
ACERO 4.8 COBREADO

Filetto Thread Size	Lunghezza Length	Codice Code
M8	10	03ARPR810AC
	12	03ARPR812AC
	15	03ARPR815AC
	16	03ARPR816AC
	20	03ARPR820AC
	25	03ARPR825AC
	30	03ARPR830AC
	35	03ARPR835AC
	40	03ARPR840AC
	45	03ARPR845AC
M10	12	03ARPR1012AC
	15	03ARPR1015AC
	16	03ARPR1016AC
	20	03ARPR1020AC
	25	03ARPR1025AC
	30	03ARPR1030AC
	35	03ARPR1035AC
	40	03ARPR1040AC
	15	03ARPR1215AC
	16	03ARPR1216AC
M12	20	03ARPR1220AC
	25	03ARPR1225AC
	30	03ARPR1230AC
	35	03ARPR1235AC
	40	03ARPR1240AC

ACCIAIO INOX A2-50
STAINLESS STEEL A2-50
ROSTFREIER STAHL A2-50
INOX A2-50
INOX A2-50

Filetto Thread Size	Lunghezza Length	Codice Code
M5	8	03IXPR508AC
	10	03IXPR510AC
	12	03IXPR512AC
	15	03IXPR515AC
	16	03IXPR516AC
	20	03IXPR520AC
	25	03IXPR525AC
	30	03IXPR530AC
	10	03IXPR610AC
	12	03IXPR612AC
M6	15	03IXPR615AC
	16	03IXPR616AC
	20	03IXPR620AC
	25	03IXPR625AC
	30	03IXPR630AC
	35	03IXPR635AC
	40	03IXPR640AC
	45	03IXPR645AC
	50	03IXPR650AC

ACCIAIO INOX A2-50
STAINLESS STEEL A2-50
ROSTFREIER STAHL A2-50
INOX A2-50
INOX A2-50

Filetto Thread Size	Lunghezza Length	Codice Code
M8	10	03IXPR810AC
	12	03IXPR812AC
	15	03IXPR815AC
	16	03IXPR816AC
	20	03IXPR820AC
	25	03IXPR825AC
	30	03IXPR830AC
	35	03IXPR835AC
	40	03IXPR840AC
	45	03IXPR845AC
M10	12	03IXPR1012AC
	15	03IXPR1015AC
	16	03IXPR1016AC
	20	03IXPR1020AC
	25	03IXPR1025AC
	30	03IXPR1030AC
	35	03IXPR1035AC
	40	03IXPR1040AC
	15	03IXPR1215AC
	16	03IXPR1216AC
M12	20	03IXPR1220AC
	25	03IXPR1225AC
	30	03IXPR1230AC
	35	03IXPR1235AC
	40	03IXPR1240AC

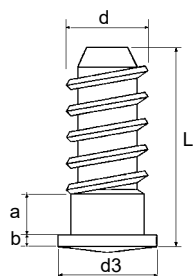
PERNI SPECIALI A SALDARE AD ARCO CORTO

COARSE THREADED SHORT-CYCLE STUDS

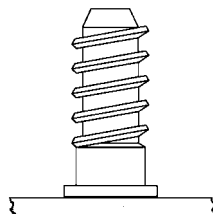
GROBGEWINDEBOLZEN FÜR KURZZEITHUBZÜNDUNG

GOUJONS SAPIN À SOUDER EN ARC TEMPS COURT

PERNOS ESPECIALES PARA SOLDAR CON ARCO CORTO



PRIMA DELLA SALDATURA
BEFORE WELDING
VOR DEM SCHWEISSEN
AVANT SOUDAGE
ANTES DE SOLDAR



DOPO LA SALDATURA
AFTER WELDING
NACH DEM SCHWEISSEN
APRÈS SOUDAGE
DESPUES DE SOLDAR

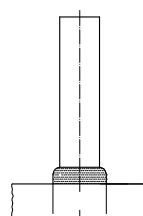
d	5	5	5	5	5	5
d3 ± 0,2	6	6	6	6	6	6
b	0,6 - 1,4					
L +0,6	9	12	14,2	16,5	18	25

ACCIAIO 4.8 RAMATO STEEL 4.8 COPPER PLATED STAHL 4.8 VERKUPFERT ACIER 4.8 CUIVRE ACERO 4.8 COBREDO		
Ø	Lunghezza Length	Codice Code
5	9	03ARAN509
	12	03ARAN512
	14,2	03ARAN514
	16,5	03ARAN516
	18	03ARAN518
	25	03ARAN525

A RICHIESTA
ON DEMAND
AUF ANFRAGE
SUR DEMANDE
BAJO SOLICITUD

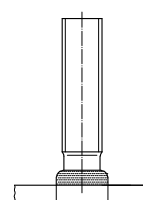
DIN EN ISO 13918

UD



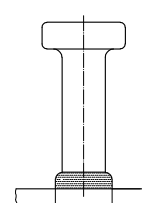
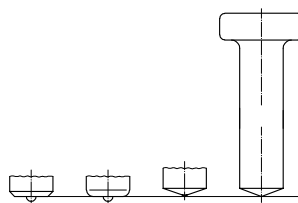
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PD



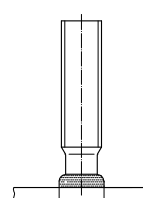
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SD



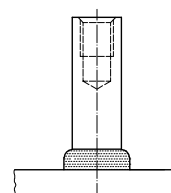
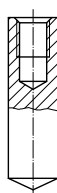
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RD



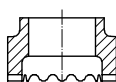
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ID



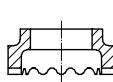
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RF



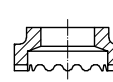
DIN EN ISO 13918

PF



DIN EN ISO 13918

UF



SALDATRICE AD ARCO

ARC WELDER

SCHWEISSGERÄT FÜR HUBZÜNDUNG

SOUDEUSE EN ARC

SOLDADOR DE ARCO

CODICE/CODE
03550



Caratteristiche tecniche Technical features	
Pezzi saldabili al minuto <i>Weldable pieces per minute</i>	8 ÷ 25
Dimensioni corpo macchina <i>Machine body dimensions</i>	28x52x29 cm
Alimentazione <i>Power supply</i>	400V - 3 Ph - 50/60Hz
Potenza max assorbita <i>Max power consumption</i>	kW 17,0
Grado di protezione <i>Degree of protection</i>	IP 23
Peso corpo macchina <i>Machine body weight</i>	41 Kg

UTILIZZO CAPACITY			
FILETTO THREAD	ALLUMINIO ALUMINIUM	ACCIAIO STEEL	INOX STAINLESS STEEL
M4		●	●
M5		●	●
M6		●	●
M8		●	●
M10		●	●

SALDATRICE AUTOMATICA
AUTOMATIC WELDING MACHINE
AUTOMATISCHES SCHWEISSGERÄT
SOUDEUSE AUTOMATIQUE
UNIDAD DE SOLDADURA AUTOMÁTICA

CODICE/CODE
03CNC2X1



2.000 x 1.000

Caratteristiche tecniche - Technical features	
Dimensioni area di lavoro Work range	fino a 2.000 x 1.000 mm. up to 2.000 x 1.000 mm.
Numero di saldatrici Number of machines	1 saldatrice 1 welding machine
Numero di teste Number of heads	fino a 2 up to 2
Numero di alimentatori automatici Number of automatic feeders	fino a 2 up to 2
Range di saldatura Welding range	da M3 x 8 mm. a M10 x 40 mm. from M3 x 8 mm. to M10 x 40 mm.
Velocità Speed	280 mm./sec. (18 m./min.)
Precisione Precision	+/- 0.2 mm.
Ripetibilità per foglio di lamiera Repeatability on sheet metal	+/- 0.05 mm.
N. di pezzi saldati al minuto No. of pieces welded per minute	fino a 40 perni up to 40 studs

- **ASSI X-Y SERVO-ASSISTITI E PROGRAMMABILI (ASSE Z SU RICHIESTA)**
- **CONTROLLO E PROGRAMMAZIONE TRAMITE PC**
- **TOUCH-SCREEN DA 24"**
- **CONNESSIONE REMOTA TRAMITE WI-FI**
- **CARICAMENTO DEI PROGRAMMI TRAMITE USB O RETE WI-FI O ETHERNET**
- **NUMERO ILLIMITATO DI PROGRAMMI**
- **VARIABILI PER LA PROGRAMMAZIONE (COORDINATE, TESTE, POTENZA DI SALDATURA,) TRAMITE TOUCH-SCREEN O FILE EXCEL O CCV**
- **BARRIERE FOTOELETTRICHE DI SICUREZZA**
- **STAFFE PNEUMATICHE**
- **ADATTABILITA' DI UTENSILI UNIVERSALI: TORNITURA, APPLICAZIONI ADESIVE, ECC)**
- **COMPONENTI ELETTRICI E DI CONTROLLO DI ALTA QUALITA'**
- **CERTIFICATO CEE**
- **IN GRADO DI SALDARE TUTTI GLI ARTICOLI DELLA DIN 13918**

- **X-Y AXIS SERVO-CONTROLLED AND PROGRAMMABLE (Z AXIS ON DEMAND)**
- **PC-INDUSTRIAL, CONTROL AND PROGRAMMING**
- **24" TOUCH SCREEN**
- **REMOTE CONNECTION VIA WIFI**
- **LOADS PROGRAMS WITH USB, OR THROUGH WIFI NETWORK (WIFI, ETHERNET)**
- **UNLIMITED NUMBER OF PROGRAMS**
- **PROGRAMMING VARIABLES (COORDINATES, HEADS, WELDING POWER) VIA TOUCH PANEL, EXCEL TEMPLATE OR CCV FILES**
- **PHOTOELECTRIC SECURITY BARRIERS**
- **PNEUMATIC FLANGES**
- **POSSIBILITY OF ADAPTING UNIVERSAL TOOLS: MILLING MACHINES, ADHESIVE IMPLEMENTATIONS, ETC.**
- **UNIVERSAL HIGH-QUALITY ELECTRICAL COMPONENTS AND CONTROLS**
- **CEE CERTIFICATE**
- **ABLE TO WELD ALL ITEMS ACCORDING TO DIN 13918**

SALDATRICE AUTOMATICA
AUTOMATIC WELDING MACHINE
AUTOMATISCHES SCHWEISSGERÄT
SOUDEUSE AUTOMATIQUE
UNIDAD DE SOLDADURA AUTOMÁTICA

CODICE/CODE
03CNC3X15



3.000 x 1.500

Caratteristiche tecniche - Technical features	
Dimensioni area di lavoro Work range	fino a 3.000 x 1.500 mm. up to 3.000 x 1.500 mm.
Numero di saldatrici Number of machines	fino a 4 saldatrici up to 4 welding machines
Numero di teste Number of heads	fino a 4 up to 4
Numero di alimentatori automatici Number of automatic feeders	fino a 4 up to 4
Range di saldatura Welding range	da M3 x 8 mm. a M10 x 40 mm. from M3 x 8 mm. to M10 x 40 mm.
Velocità Speed	1.200 mm./sec. (72 m./min.)
Precisione Precision	+/- 0.2 mm.
Ripetibilità per foglio di lamiera Repeatability on sheet metal	+/- 0.05 mm.
N. di pezzi saldati al minuto No. of pieces welded per minute	fino a 40 perni up to 40 studs

- **ASSI X-Y SERVO-ASSISTITI E PROGRAMMABILI (ASSE Z SU RICHIESTA)**
- **CONTROLLO E PROGRAMMAZIONE TRAMITE PC**
- **TOUCH-SCREEN DA 24"**
- **CONNESSIONE REMOTA TRAMITE WI-FI**
- **CARICAMENTO DEI PROGRAMMI TRAMITE USB O RETE WI-FI O ETHERNET**
- **NUMERO ILLIMITATO DI PROGRAMMI**
- **VARIABILI PER LA PROGRAMMAZIONE (COORDINATE, TESTE, POTENZA DI SALDATURA,) TRAMITE TOUCH-SCREEN O FILE EXCEL O CCV**
- **BARRIERE FOTOELETTRICHE DI SICUREZZA**
- **STAFFE PNEUMATICHE**
- **ADATTABILITA' DI UTENSILI UNIVERSALI: TORNITURA, APPLICAZIONI ADESIVE, ECC)**
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