

4



PERNI A SALDARE

WELDING STUDS

SCHWEISSBOLZEN

GOUJONS À SOUDER

PERNOS PARA SOLDAR

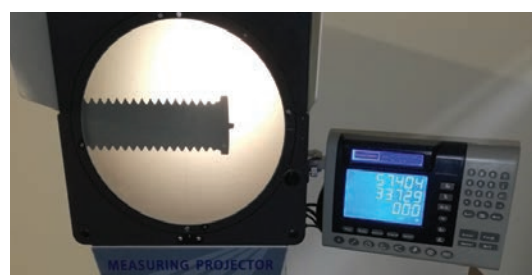
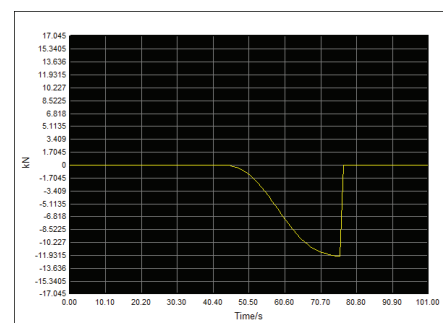
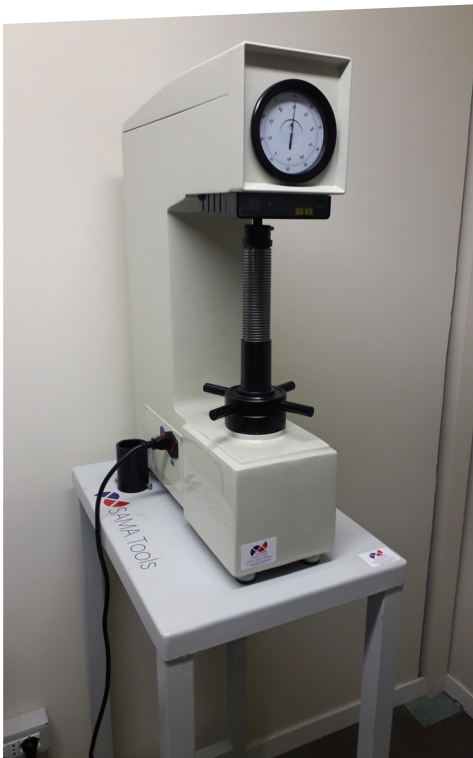
FIXI[®]

FASTENING SYSTEMS



Il laboratorio Fixi garantisce la conformità dei prodotti grazie ad accurati test interni con macchinari di ultima generazione.

Fixi carries out accurate testing in its own lab equipped with the latest generation machinery to ensure product conformity.



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

4

3.28

		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
	ACCIAIO INOX AISI 316* STAINLESS STEEL AISI 316*	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

*Per applicazioni nei settori alimentare, chimico farmaceutico, navale, tessile e petrolchimico si consiglia l'uso dell'inox AISI 316. L'inox AISI 316 ha una resistenza alla corrosione ottima (sali, acidi, sostanze alimentari).

*We recommend the use of Stainless Steel AISI 316 for applications in the food, pharmaceutical, naval, textile and petrochemical industries. Stainless Steel AISI 316 has a high resistance to corrosion (salts, acids, food substances).

INFORMAZIONI TECNICHE

TECHNICAL INFORMATION / TECHNISCHE INFORMATIONEN
INFORMATION TECHNIQUE / INFORMACION TECNICA

		M3	M4	M5	M6	M8	M10	M12	M16	
		Materiale perni / Studs Material	ACCIAIO 4.8 RAMATO STEEL 4.8 COPPER PLATED	Carico di trazione sul filetto (kN) Pull-out force (kN)	1,1	1,8	3,0	4,3	8,0	13,0
Coppia di serraggio raccomandata (Nm) Recommended tightening torque (Nm)	0,8			0,8	3,6	6,1	15,0	30,0	53,0	135,0
ACCIAIO INOX A2-50 STAINLESS STEEL A2-50	Carico di trazione sul filetto (kN) Pull-out force (kN)		0,7	0,7	1,9	2,7	4,9	7,8	12,0	22,0
	Coppia di serraggio raccomandata (Nm) Recommended tightening torque (Nm)		0,5	0,5	2,3	3,8	9,5	19,0	33,0	82,0
ACCIAIO INOX AISI 316 STAINLESS STEEL AISI 316	Carico di trazione sul filetto (kN) Pull-out force (kN)		0,7	0,7	1,9	2,7	4,9	7,8	12,0	22,0
	Coppia di serraggio raccomandata (Nm) Recommended tightening torque (Nm)		0,5	0,5	2,3	3,8	9,5	19,0	33,0	82,0
ALLUMINIO AlMg3 ALUMINIUM AlMg3	Carico di trazione sul filetto (kN) Pull-out force (kN)		0,5	0,5	1,6	2,2	4,0			
	Coppia di serraggio raccomandata (Nm) Recommended tightening torque (Nm)		0,4	0,4	1,9	3,1	7,5			
OTTONE BRASS	Carico di trazione sul filetto (kN) Pull-out force (kN)		0,8	0,8	2,3	3,2	6,0			
	Coppia di serraggio raccomandata (Nm) Recommended tightening torque (Nm)		0,6	0,6	2,7	4,5	11,0			

I valori indicati in tabella permettono di non deformare gli elementi da unire.

The values indicated in the table will not deform the parts to be joined.

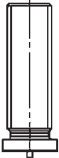



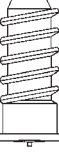
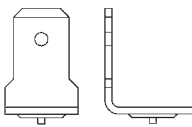
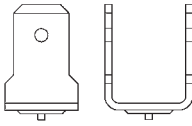
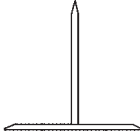
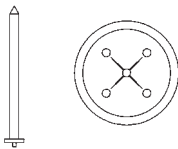
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INHALTSVERZEICHNIS

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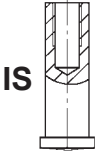

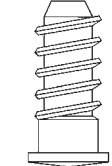


INDICE GENERALE

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INHALTSVERZEICHNIS

SOMMAIRE GÉNÉRAL

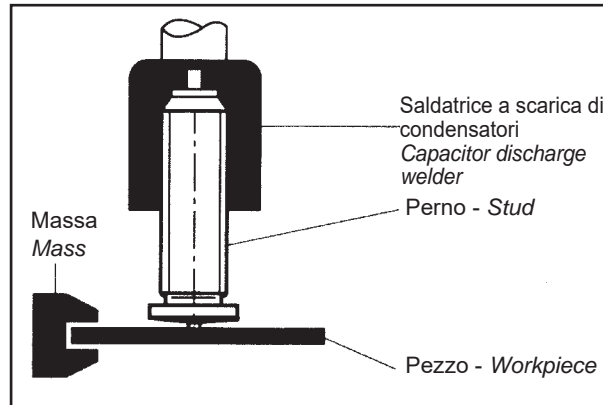
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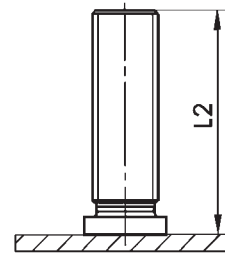
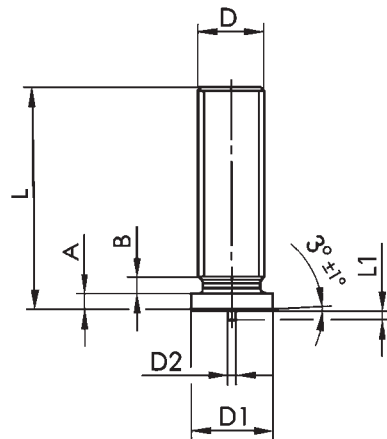
PERNI FILETTATI A SALDARE A SCARICA DI CONDENSATORI
 CAPACITOR DISCHARGE STUDS WITH EXTERNAL THREAD
 GEWINDEBOLZEN FÜR SPITZENZÜNDUNG
 GOUJONS FILETÉS À SOUDER PAR DÉCHARGE DE CONDENSATEURS
 PERNOS CON ROSCA EXTERIOR PARA SOLDAR CON DESCARGA

DIN EN ISO 13918

PT



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

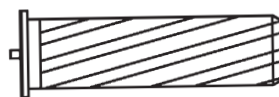


DOPO LA SALDATURA
 AFTER WELDING
 NACH DEM SCHWEISSEN
 APRÈS SOUDAGE
 DESPUES DE SOLDAR

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

* M10 - * M12 FIXI STANDARD

PERNI PER LA VERNICIATURA A RICHIESTA
 LACQUER GROOVE STUDS FOR PAINTING
 ON REQUEST
 LACKBOLZEN AUF ANFRAGE
 GOUJONS AVEC RAINURE SUR DEMANDE
 PERNOS SOLDAR LACQUER GROOVE BAJO SOLICITUD

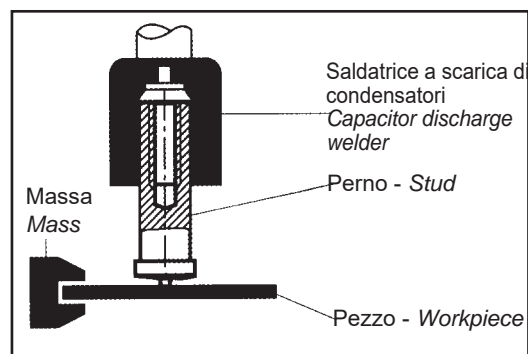


ACCIAIO 4.8 RAMATO COPPER PLATED STEEL 4.8 STAHL 4.8 VERKUPFERT ACIER 4.8 CUIVRÉ ACERO 4.8 COBREADO			ACCIAIO INOX A2-50 STAINLESS STEEL A2-50 ROSTFREIER STAHL A2-50 INOX A2-50 INOX A2-50			INOX AISI 316 STAINLESS STEEL AISI316 ROSTFREIER STAHL AISI 316 INOX AISI 316 INOX AISI 316			ALLUMINIO AIMg3 ALUMINIUM 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	Filetto Thread Size	Lunghezza Length	Codice Code
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	15	03ARPR315		15	03IXPR315		15	03IXPR315A4		15	03ALPR315		15	030TPR315
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	20	03ARPR320		20	03IXPR320		20	03IXPR320A4		20	03ALPR320		20	030TPR320
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	30	03ARPR330		30	03IXPR330		30	03IXPR330A4		30	03ALPR330		30	030TPR330
35	03ARPR335	35	03IXPR335	35	03IXPR335A4	35	03ALPR335	35	030TPR335					
40	03ARPR340	40	03IXPR340	40	03IXPR340A4	40	03ALPR340	40	030TPR340					
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	12	03ARPR412		12	03IXPR412		12	03IXPR412A4		12	03ALPR412		12	030TPR412
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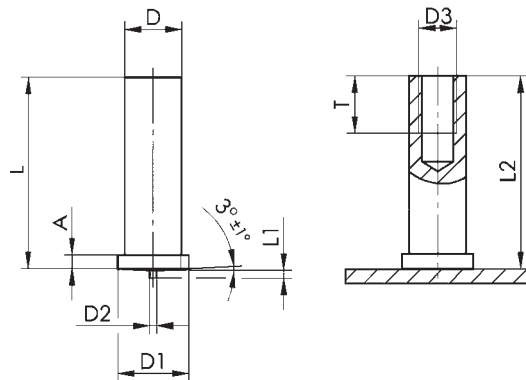
BUSSOLE FILETTATE A SALDARE A SCARICA DI CONDENSATORI
CAPACITOR DISCHARGE STUDS WITH INTERNAL THREAD
INNENGEWINDEBUCHSEN FÜR SPITZENZÜNDUNG
DOUILLES TARAUDÉES À SOUDER PAR DÉCHARGE DE CONDENSATEURS
PERNOS CON ROSCA INTERIOR PARA SOLDAR CON DESCARGA

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
 APRES 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. 9	6,5	0,75	0,80	1,4-0,7	M3	5	L-0,3
ø6		7,5				M4	6	
ø7,1	see page 9	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 COPPER PLATED STEEL 4.8 STAHL 4.8 VERKUPFERT ACIER 4.8 CUIVRE ACERO 4.8 COBREADO			ACCIAIO INOX STAINLESS STEEL ROSTFREIER STAHL INOX INOX			ALLUMINIO AlMg3 ALUMINIUM AlMg3 ALUMINIUM AlMg3 ALUMINIUM AlMg3 ALUMINIO AlMg3			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
M3	6	03ARBU3506	M3	6	03IXBU3506	M3	6	03ALBU3506	M3	6	030TBU3506
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	12	03ARBU3512		12	03IXBU3512		12	03ALBU3512		12	030TBU3512
	15	03ARBU3515		15	03IXBU3515		15	03ALBU3515		15	030TBU3515
	16	03ARBU3516		16	03IXBU3516		16	03ALBU3516		16	030TBU3516
	20	03ARBU3520		20	03IXBU3520		20	03ALBU3520		20	030TBU3520
	25	03ARBU3525		25	03IXBU3525		25	03ALBU3525		25	030TBU3525
	30	03ARBU3530		30	03IXBU3530		30	03ALBU3530		30	030TBU3530
M4	8	03ARBU4608	M4	8	03IXBU4608	M4	8	03ALBU4608	M4	8	030TBU4608
	10	03ARBU4610		10	03IXBU4610		10	03ALBU4610		10	030TBU4610
	12	03ARBU4612		12	03IXBU4612		12	03ALBU4612		12	030TBU4612
	15	03ARBU4615		15	03IXBU4615		15	03ALBU4615		15	030TBU4615
	16	03ARBU4616		16	03IXBU4616		16	03ALBU4616		16	030TBU4616
	20	03ARBU4620		20	03IXBU4620		20	03ALBU4620		20	030TBU4620
	25	03ARBU4625		25	03IXBU4625		25	03ALBU4625		25	030TBU4625
	30	03ARBU4630		30	03IXBU4630		30	03ALBU4630		30	030TBU4630
	35	03ARBU4635		35	03IXBU4635		35	03ALBU4635		35	030TBU4635
	40	03ARBU4640		40	03IXBU4640		40	03ALBU4640		40	030TBU4640
M5	10	03ARBU5710	M5	10	03IXBU5710	M5	10	03ALBU5710	M5	10	030TBU5710
	12	03ARBU5712		12	03IXBU5712		12	03ALBU5712		12	030TBU5712
	15	03ARBU5715		15	03IXBU5715		15	03ALBU5715		15	030TBU5715
	16	03ARBU5716		16	03IXBU5716		16	03ALBU5716		16	030TBU5716
	20	03ARBU5720		20	03IXBU5720		20	03ALBU5720		20	030TBU5720
	25	03ARBU5725		25	03IXBU5725		25	03ALBU5725		25	030TBU5725
	30	03ARBU5730		30	03IXBU5730		30	03ALBU5730		30	030TBU5730
	35	03ARBU5735		35	03IXBU5735		35	03ALBU5735		35	030TBU5735
	40	03ARBU5740		40	03IXBU5740		40	03ALBU5740		40	030TBU5740
M6	10	03ARBU6810	M6	10	03IXBU6810	M6	10	03ALBU6810	M6	10	030TBU6810
	12	03ARBU6812		12	03IXBU6812		12	03ALBU6812		12	030TBU6812
	15	03ARBU6815		15	03IXBU6815		15	03ALBU6815		15	030TBU6815
	16	03ARBU6816		16	03IXBU6816		16	03ALBU6816		16	030TBU6816
	20	03ARBU6820		20	03IXBU6820		20	03ALBU6820		20	030TBU6820
	25	03ARBU6825		25	03IXBU6825		25	03ALBU6825		25	030TBU6825
	30	03ARBU6830		30	03IXBU6830		30	03ALBU6830		30	030TBU6830
	35	03ARBU6835		35	03IXBU6835		35	03ALBU6835		35	030TBU6835
	40	03ARBU6840		40	03IXBU6840		40	03ALBU6840		40	030TBU6840
M8	15	03ARBU81015	M8	15	03IXBU81015	M8	15	03ALBU81015	M8	15	030TBU81015
	16	03ARBU81016		16	03IXBU81016		16	03ALBU81016		16	030TBU81016
	20	03ARBU81020		20	03IXBU81020		20	03ALBU81020		20	030TBU81020
	25	03ARBU81025		25	03IXBU81025		25	03ALBU81025		25	030TBU81025
	30	03ARBU81030		30	03IXBU81030		30	03ALBU81030		30	030TBU81030
	35	03ARBU81035		35	03IXBU81035		35	03ALBU81035		35	030TBU81035
	40	03ARBU81040		40	03IXBU81040		40	03ALBU81040		40	030TBU81040

PERNI LISCI A SALDARE A SCARICA DI CONDENSATORI

UNTHREADED CAPACITOR DISCHARGE STUDS

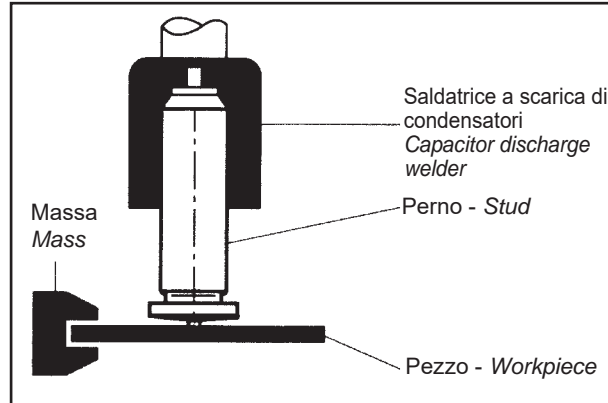
STIFTE FÜR SPITZENZÜNDUNG

GOUJONS LISSES À SOUDER PAR DÉCHARGE DE CONDENSATEURS

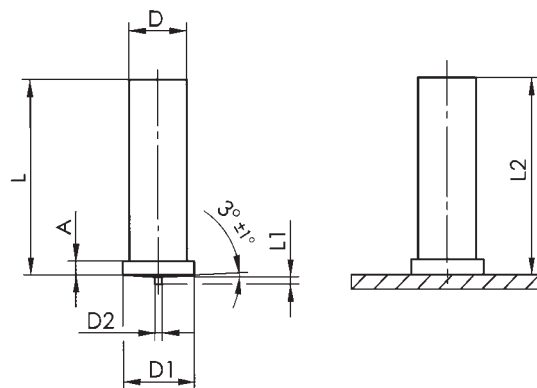
PERNOS SIN ROSCA PARA SOLDAR CON DESCARGA

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. 11 see page 11	4,5	0,60	0,55	1,4-0,7	L-0,3
ø4		5,5	0,65			
ø5		6,5	0,75	0,80		
ø6		7,5		0,85	1,4-0,6	
ø7,1		9,0				
ø8		11,6 ± 0,1			1,8-0,6	
* ø10,8						

* ø10,8 FIXI STANDARD

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

Diametro Diameter	Lunghezza Length	Codice Code
Ø 3	6	03ARPL306
	8	03ARPL308
	10	03ARPL310
	12	03ARPL312
	15	03ARPL315
	16	03ARPL316
	20	03ARPL320
	25	03ARPL325
Ø 4	30	03ARPL330
	6	03ARPL406
	8	03ARPL408
	10	03ARPL410
	12	03ARPL412
	15	03ARPL415
	16	03ARPL416
	20	03ARPL420
Ø 5	25	03ARPL425
	30	03ARPL430
	35	03ARPL435
	8	03ARPL508
	10	03ARPL510
	12	03ARPL512
	15	03ARPL515
	16	03ARPL516
	20	03ARPL520
	Ø 6	25
30		03ARPL530
35		03ARPL535
40		03ARPL540
50		03ARPL550
8		03ARPL608
10		03ARPL610
12		03ARPL612
15		03ARPL615
Ø 7,1		16
	20	03ARPL620
	25	03ARPL625
	30	03ARPL630
	35	03ARPL635
	40	03ARPL640
	45	03ARPL645
	50	03ARPL650
	10	03ARPL710
	Ø 8	12
15		03ARPL715
16		03ARPL716
20		03ARPL720
25		03ARPL725
30		03ARPL730
35		03ARPL735
40		03ARPL740
45		03ARPL745
Ø 10		50
	55	03ARPL755
	12	03ARPL812
	15	03ARPL815
	16	03ARPL816
	20	03ARPL820
Ø 10	25	03ARPL825
	30	03ARPL830
	35	03ARPL835
	40	03ARPL840
	15	03ARPL1015
	20	03ARPL1020
Ø 10	25	03ARPL1025
	30	03ARPL1030
	35	03ARPL1035
	40	03ARPL1040

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

Diametro Diameter	Lunghezza Length	Codice Code
Ø 3	6	03IXPL306
	8	03IXPL308
	10	03IXPL310
	12	03IXPL312
	15	03IXPL315
	16	03IXPL316
	20	03IXPL320
	25	03IXPL325
Ø 4	30	03IXPL330
	6	03IXPL406
	8	03IXPL408
	10	03IXPL410
	12	03IXPL412
	15	03IXPL415
	16	03IXPL416
	20	03IXPL420
Ø 5	25	03IXPL425
	30	03IXPL430
	35	03IXPL435
	8	03IXPL508
	10	03IXPL510
	12	03IXPL512
	15	03IXPL515
	16	03IXPL516
	20	03IXPL520
	Ø 6	25
30		03IXPL530
35		03IXPL535
40		03IXPL540
50		03IXPL550
8		03IXPL608
10		03IXPL610
12		03IXPL612
15		03IXPL615
Ø 7,1		16
	20	03IXPL620
	25	03IXPL625
	30	03IXPL630
	35	03IXPL635
	40	03IXPL640
	45	03IXPL645
	50	03IXPL650
	10	03IXPL710
	Ø 8	12
15		03IXPL715
16		03IXPL716
20		03IXPL720
25		03IXPL725
30		03IXPL730
35		03IXPL735
40		03IXPL740
45		03IXPL745
Ø 10		50
	55	03IXPL755
	12	03IXPL812
	15	03IXPL815
	16	03IXPL816
	20	03IXPL820
Ø 10	25	03IXPL825
	30	03IXPL830
	35	03IXPL835
	40	03IXPL840
	15	03IXPL1015
	20	03IXPL1020
Ø 10	25	03IXPL1025
	30	03IXPL1030
	35	03IXPL1035
	40	03IXPL1040

ALLUMINIO AIMg3
 ALUMINIUM AIMg3
 ALUMINIUM AIMg3
 ALUMINIUM AIMg3
 ALUMINIO AIMg3

Diametro Diameter	Lunghezza Length	Codice Code
Ø 3	6	03ALPL306
	8	03ALPL308
	10	03ALPL310
	12	03ALPL312
	15	03ALPL315
	16	03ALPL316
	20	03ALPL320
	25	03ALPL325
Ø 4	30	03ALPL330
	6	03ALPL406
	8	03ALPL408
	10	03ALPL410
	12	03ALPL412
	15	03ALPL415
	16	03ALPL416
	20	03ALPL420
Ø 5	25	03ALPL425
	30	03ALPL430
	35	03ALPL435
	8	03ALPL508
	10	03ALPL510
	12	03ALPL512
	15	03ALPL515
	16	03ALPL516
	20	03ALPL520
	Ø 6	25
30		03ALPL530
35		03ALPL535
40		03ALPL540
50		03ALPL550
8		03ALPL608
10		03ALPL610
12		03ALPL612
15		03ALPL615
Ø 7,1		16
	20	03ALPL620
	25	03ALPL625
	30	03ALPL630
	35	03ALPL635
	40	03ALPL640
	45	03ALPL645
	50	03ALPL650
	10	03ALPL710
	Ø 8	12
15		03ALPL715
16		03ALPL716
20		03ALPL720
25		03ALPL725
30		03ALPL730
35		03ALPL735
40		03ALPL740
45		03ALPL745
Ø 10		50
	55	03ALPL755
	12	03ALPL812
	15	03ALPL815
	16	03ALPL816
	20	03ALPL820
Ø 10	25	03ALPL825
	30	03ALPL830
	35	03ALPL835
	40	03ALPL840
	15	03ALPL1015
	20	03ALPL1020
Ø 10	25	03ALPL1025
	30	03ALPL1030
	35	03ALPL1035
	40	03ALPL1040

OTTONE CuZn37
 BRASS CuZn37
 MESSING CuZn37
 LAITON CuZn37
 LATON CuZn37

Diametro Diameter	Lunghezza Length	Codice Code
Ø 3	6	03OTPL306
	8	03OTPL308
	10	03OTPL310
	12	03OTPL312
	15	03OTPL315
	16	03OTPL316
	20	03OTPL320
	25	03OTPL325
Ø 4	30	03OTPL330
	6	03OTPL406
	8	03OTPL408
	10	03OTPL410
	12	03OTPL412
	15	03OTPL415
	16	03OTPL416
	20	03OTPL420
Ø 5	25	03OTPL425
	30	03OTPL430
	35	03OTPL435
	8	03OTPL508
	10	03OTPL510
	12	03OTPL512
	15	03OTPL515
	16	03OTPL516
	20	03OTPL520
	Ø 6	25
30		03OTPL530
35		03OTPL535
40		03OTPL540
50		03OTPL550
8		03OTPL608
10		03OTPL610
12		03OTPL612
15		03OTPL615
Ø 7,1		16
	20	03OTPL620
	25	03OTPL625
	30	03OTPL630
	35	03OTPL635
	40	03OTPL640
	45	03OTPL645
	50	03OTPL650
	10	03OTPL710
	Ø 8	12
15		03OTPL715
16		03OTPL716
20		03OTPL720
25		03OTPL725
30		03OTPL730
35		03OTPL735
40		03OTPL740
45		03OTPL745
Ø 10		50
	55	03OTPL755
	12	03OTPL812
	15	03OTPL815
	16	03OTPL816
	20	03OTPL820
Ø 10	25	03OTPL825
	30	03OTPL830
	35	03OTPL835
	40	03OTPL840
	15	03OTPL1015
	20	03OTPL1020
Ø 10	25	03OTPL1025
	30	03OTPL1030
	35	03OTPL1035
	40	03OTPL1040

PERNI SPECIALI A SCARICA DI CONDENSATORI

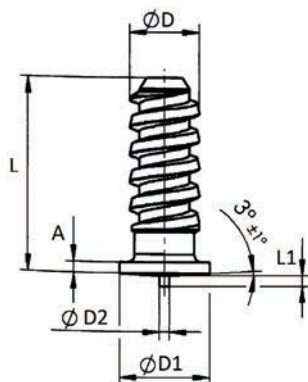
CAPACITOR DISCHARGE COARSE THREADED STUDS

GROBGEWINDEBOLZEN FÜR SPITZENZÜNDUNG

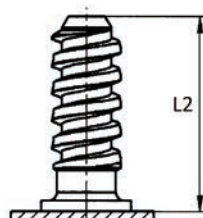
GOUJONS SAPIN PAR DÉCHARGE DE CONDENSATEURS

PERNOS DE VARILLA 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



D	L + 0,6	D1 ± 0,2	D2 ± 0,08	L1 ± 0,05	A	L2
ø5	vd. sotto see below	6,5	0,75	0,8	1,4-0,6	L1-0,3

ACCIAIO 4.8 RAMATO COPPERED PLATED STEEL 4.8 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	03ARAN509	Ø 5	9	03IXAN509
	14,2	03ARAN515		14,2	03IXAN515
	16,5	03ARAN516		16,5	03IXAN516
	18	03ARAN518		18	03IXAN518
	25	03ARAN525		25	03IXAN525

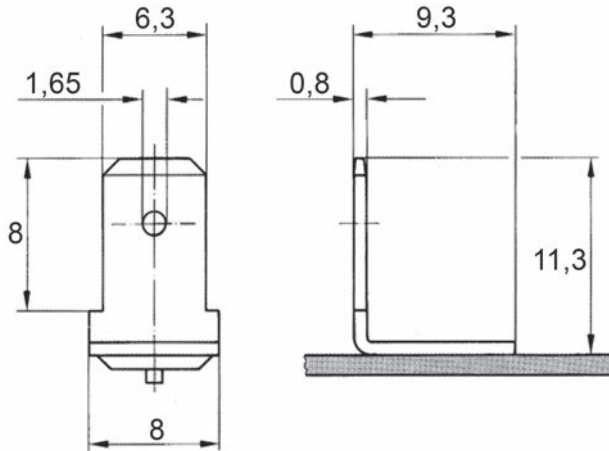
FASTON A SCARICA DI CONDENSATORI

CAPACITOR DISCHARGE FASTON

FLACHSTECKER FÜR SPITZENZÜNDUNG

COSSE PAR DÉCHARGE DE CONDENSATEURS

FASTON PARA SOLDAR CON DESCARGA



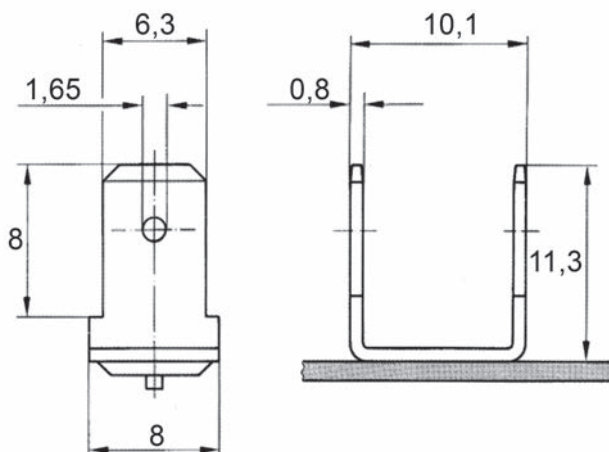
PRIMA DELLA SALDATURA
BEFORE WELDING
VOR DEM SCHWEISSEN
AVANT SOUDAGE
ANTES DE SOLDAR

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 COPPERED PLATED STEEL 4.8 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 LATON 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 COPPERED PLATED STEEL 4.8 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 LATON CuZn37
Codice Code	Codice Code	Codice Code	Codice Code
03ARFD	03IXFD	03ALFD	03CUFD

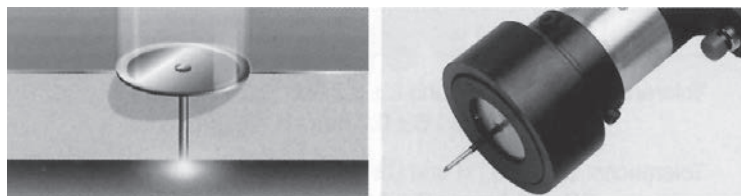
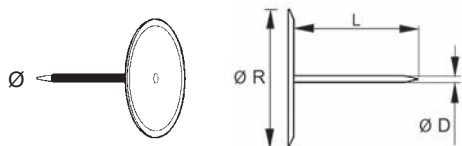
CHIODI PER ISOLAMENTO A SCARICA DI CONDENSATORI

CAPACITOR DISCHARGE INSULATION PINS

TELLERSTIFTE MIT ISOLIERUNG

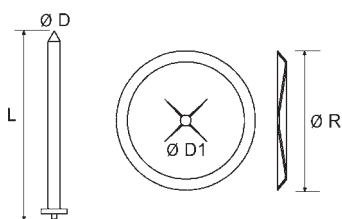
CLOU D'ISOLATION PAR DÉCHARGE DE CONDENSATEURS

PINS DE AISLAMIENTO PARA SOLDAR CON DESCARGA



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

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



ACCIAIO 4.8 RAMATO
 COPPER PLATED STEEL 4.8
 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
04PPM3	 Bolzenhalter Mandrin Porta terminal
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
DISPONIBILE LA VERSION 90 2P AVEC 2 PISTOLETS
DISPONIBILE 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

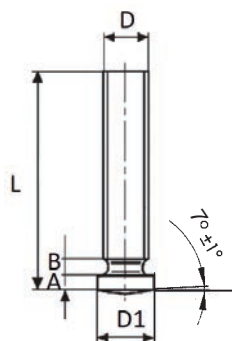
PERNI A SALDARE AD ARCO CORTO

DRAWN-ARC STUDS

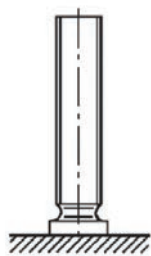
KURZZEIT-HUBZÜNDUNG BOLZEN

GOUJONS 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

D	L	D1 ± 0,2	A	B max
M5		6	0,7 - 1,4	1
M6		7		
M8	vd. sotto see below	9	0,8 - 1,4	1,5
M10		11		2
M12		12,60		

ACCIAIO 4.8 RAMATO COPPERED PLATED STEEL 4.8 STAHL 4.8 VERKUPFERT ACIER 4.8 CUIVRÉ ACERO 4.8 COBREADO			ACCIAIO 4.8 RAMATO COPPERED PLATED STEEL 4.8 STAHL 4.8 VERKUPFERT ACIER 4.8 CUIVRÉ ACERO 4.8 COBREADO			ACCIAIO INOX A2-50 STAINLESS STEEL A2-50 ROSTFREIER STAHL A2-50 INOX A2-50 INOX A2-50			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	Filetto Thread Size	Lunghezza Length	Codice Code	Filetto Thread Size	Lunghezza Length	Codice Code	Filetto Thread Size	Lunghezza Length	Codice Code
M5	8	03ARPR508AC	M8	10	03ARPR810AC	M5	8	03IXPR508AC	M8	10	03IXPR810AC
	10	03ARPR510AC		12	03ARPR812AC		10	03IXPR510AC		12	03IXPR812AC
	12	03ARPR512AC		15	03ARPR815AC		12	03IXPR512AC		15	03IXPR815AC
	15	03ARPR515AC		16	03ARPR816AC		15	03IXPR515AC		16	03IXPR816AC
	16	03ARPR516AC		20	03ARPR820AC		16	03IXPR516AC		20	03IXPR820AC
	20	03ARPR520AC		25	03ARPR825AC		20	03IXPR520AC		25	03IXPR825AC
	25	03ARPR525AC		30	03ARPR830AC		25	03IXPR525AC		30	03IXPR830AC
	30	03ARPR530AC		35	03ARPR835AC		30	03IXPR530AC		35	03IXPR835AC
M6	35	03ARPR535AC	40	03ARPR840AC	M6	10	03IXPR610AC	M10	40	03IXPR840AC	
	10	03ARPR610AC	45	03ARPR845AC		12	03IXPR612AC		45	03IXPR845AC	
	12	03ARPR612AC	M10	12		03ARPR1012AC	15		03IXPR615AC	12	03IXPR1012AC
	15	03ARPR615AC		15		03ARPR1015AC	16		03IXPR616AC	15	03IXPR1015AC
	16	03ARPR616AC		16		03ARPR1016AC	20		03IXPR620AC	16	03IXPR1016AC
	20	03ARPR620AC		20		03ARPR1020AC	25		03IXPR625AC	20	03IXPR1020AC
	25	03ARPR625AC		25		03ARPR1025AC	30		03IXPR630AC	25	03IXPR1025AC
	30	03ARPR630AC		30		03ARPR1030AC	35		03IXPR635AC	30	03IXPR1030AC
	35	03ARPR635AC		35		03ARPR1035AC	40		03IXPR640AC	35	03IXPR1035AC
	40	03ARPR640AC		40		03ARPR1040AC	45		03IXPR645AC	40	03IXPR1040AC
	45	03ARPR645AC		45		03ARPR1045AC	50		03IXPR650AC	45	03IXPR1045AC
	50	03ARPR650AC		50		03ARPR1050AC	M12		15	03IXPR1215AC	15
M12	15	03ARPR1215AC		16	03ARPR1216AC	16		03IXPR1216AC	16	03IXPR1216AC	
	20	03ARPR1220AC		20	03ARPR1220AC	20		03IXPR1220AC	20	03IXPR1220AC	
	25	03ARPR1225AC	25	03ARPR1225AC	25	03IXPR1225AC		25	03IXPR1225AC		
	30	03ARPR1230AC	30	03ARPR1230AC	30	03IXPR1230AC		30	03IXPR1230AC		
	35	03ARPR1235AC	35	03ARPR1235AC	35	03IXPR1235AC	35	03IXPR1235AC			
			40	03ARPR1240AC	40	03IXPR1240AC	40	03IXPR1240AC			

BUSSOLE A SALDARE AD ARCO CORTO

DRAWN-ARC STUDS WITH INTERNAL THREAD

KURZZEIT-HUBZÜNDUNG INNENGEWINDEBUCHSEN

DOUILLES TARAUDÉES À SOUDER EN ARC TEMPS COURT

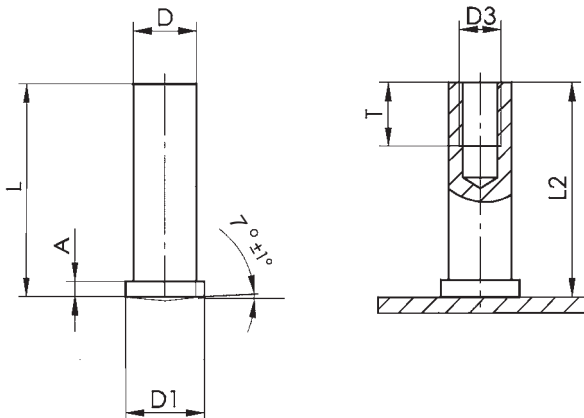
PERNOS CON ROSCA INTERIOR PARA SOLDAR CON ARCO CORTO

DIN EN ISO 13918

IS

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	D1 ± 0,2	A	D3	T Min.
5	vd. sotto see below	6	0,7 - 1,4	M3	4
6		7		M4	5
7,1		9	0,8 - 1,4	M5	6
8		9		M6	10

ACCIAIO 4.8 RAMATO COPPERED PLATED STEEL 4.8 STAHL 4.8 VERKUPFERT ACIER 4.8 CUIVRÉ ACERO 4.8 COBREDO			ACCIAIO 4.8 RAMATO COPPERED PLATED STEEL 4.8 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			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	Filetto Thread Size	Lunghezza Length	Codice Code	Filetto Thread Size	Lunghezza Length	Codice Code	Filetto Thread Size	Lunghezza Length	Codice Code
M3	6	03ARBU3506AC	M5	10	03ARBU5710AC	M3	6	03IXBU3506AC	M5	10	03IXBU5710AC
	8	03ARBU3508AC		12	03ARBU5712AC		8	03IXBU3508AC		12	03IXBU5712AC
	10	03ARBU3510AC		15	03ARBU5715AC		10	03IXBU3510AC		15	03IXBU5715AC
	12	03ARBU3512AC		16	03ARBU5716AC		12	03IXBU3512AC		16	03IXBU5716AC
	15	03ARBU3515AC		20	03ARBU5720AC		15	03IXBU3515AC		20	03IXBU5720AC
	16	03ARBU3516AC		25	03ARBU5725AC		16	03IXBU3516AC		25	03IXBU5725AC
	20	03ARBU3520AC		30	03ARBU5730AC		20	03IXBU3520AC		30	03IXBU5730AC
	25	03ARBU3525AC		35	03ARBU5735AC		25	03IXBU3525AC		35	03IXBU5735AC
M4	30	03ARBU3530AC	40	03ARBU5740AC	30	03IXBU3530AC	40	03IXBU5740AC	M6	15	03IXBU6815AC
	8	03ARBU4608AC	M6	15	03ARBU6815AC	8	03IXBU4608AC	15		03IXBU6815AC	
	10	03ARBU4610AC		16	03ARBU6816AC	10	03IXBU4610AC	16		03IXBU6816AC	
	12	03ARBU4612AC		20	03ARBU6820AC	12	03IXBU4612AC	20		03IXBU6820AC	
	15	03ARBU4615AC		25	03ARBU6825AC	15	03IXBU4615AC	25		03IXBU6825AC	
	16	03ARBU4616AC		30	03ARBU6830AC	16	03IXBU4616AC	30		03IXBU6830AC	
	20	03ARBU4620AC		35	03ARBU6835AC	20	03IXBU4620AC	35		03IXBU6835AC	
	25	03ARBU4625AC		40	03ARBU6840AC	25	03IXBU4625AC	40		03IXBU6840AC	
	30	03ARBU4630AC				30	03IXBU4630AC				
	35	03ARBU4635AC				35	03IXBU4635AC				
40	03ARBU4640AC				40	03IXBU4640AC					

PERNI LISCI A SALDARE AD ARCO CORTO

UNTHREADED DRAWN-ARC STUDS

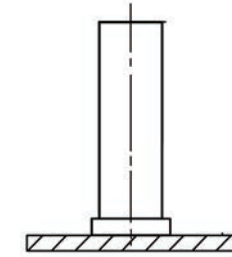
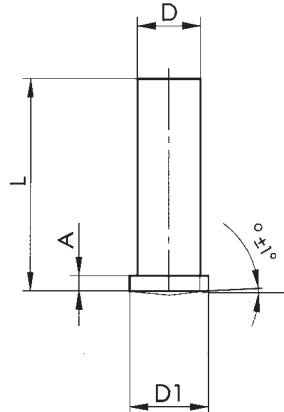
KURZZEIT-HUBZÜNDUNG SCHWEISSSTIFTE

GOUJONS LISSES À SOUDER EN ARC TEMPS COURT

PERNOS SIN ROSCA PARA SOLDAR CON ARCO CORTO

DIN EN ISO 13918
US

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	D1 ± 0,2	A
3	vd. sotto see below	4	0,7-1,4
4		5	
5		6	
6		7	
7,1		9	
8			0,8-1,4

ACCIAIO 4.8 RAMATO COPPER PLATED STEEL 4.8 STAHL 4.8 VERKUPFERT ACIER 4.8 CUIVRE ACERO 4.8 COBREDO		
Diametro Diameter	Lunghezza Length	Codice Code
Ø 3	6	03ARPL306AC
	8	03ARPL308AC
	10	03ARPL310AC
	12	03ARPL312AC
	15	03ARPL315AC
	16	03ARPL316AC
	20	03ARPL320AC
	25	03ARPL325AC
Ø 4	30	03ARPL330AC
	6	03ARPL406AC
	8	03ARPL408AC
	10	03ARPL410AC
	12	03ARPL412AC
	15	03ARPL415AC
	16	03ARPL416AC
	20	03ARPL420AC
	25	03ARPL425AC
	30	03ARPL430AC
Ø 5	35	03ARPL435AC
	40	03ARPL440AC
	6	03ARPL506AC
	8	03ARPL508AC
	10	03ARPL510AC
	12	03ARPL512AC
	15	03ARPL515AC
	16	03ARPL516AC
	20	03ARPL520AC
	25	03ARPL525AC
	30	03ARPL530AC
	35	03ARPL535AC
	40	03ARPL540AC
	45	03ARPL545AC

ACCIAIO 4.8 RAMATO COPPER PLATED STEEL 4.8 STAHL 4.8 VERKUPFERT ACIER 4.8 CUIVRE ACERO 4.8 COBREDO		
Diametro Diameter	Lunghezza Length	Codice Code
Ø 6	8	03ARPL608AC
	10	03ARPL610AC
	12	03ARPL612AC
	15	03ARPL615AC
	16	03ARPL616AC
	20	03ARPL620AC
	25	03ARPL625AC
	30	03ARPL630AC
	35	03ARPL635AC
	40	03ARPL640AC
Ø 7,1	45	03ARPL645AC
	50	03ARPL650AC
	55	03ARPL655AC
	60	03ARPL660AC
	10	03ARPL710AC
	12	03ARPL712AC
	15	03ARPL715AC
	16	03ARPL716AC
	20	03ARPL720AC
	25	03ARPL725AC
Ø 8	30	03ARPL730AC
	35	03ARPL735AC
	40	03ARPL740AC
	45	03ARPL745AC
	50	03ARPL750AC
	55	03ARPL755AC
	60	03ARPL760AC
	15	03ARPL815AC
	16	03ARPL816AC
	20	03ARPL820AC
	25	03ARPL825AC
	30	03ARPL830AC
	35	03ARPL835AC
	40	03ARPL840AC
	45	03ARPL845AC
50	03ARPL850AC	
55	03ARPL855AC	
60	03ARPL860AC	

ACCIAIO INOX A2-50 STAINLESS STEEL A2-50 ROSTFREIER STAHL A2-50 INOX A2-50 INOX A2-50		
Diametro Diameter	Lunghezza Length	Codice Code
Ø 3	6	03IXPL306AC
	8	03IXPL308AC
	10	03IXPL310AC
	12	03IXPL312AC
	15	03IXPL315AC
	16	03IXPL316AC
	20	03IXPL320AC
	25	03IXPL325AC
	30	03IXPL330AC
	Ø 4	6
8		03IXPL408AC
10		03IXPL410AC
12		03IXPL412AC
15		03IXPL415AC
16		03IXPL416AC
20		03IXPL420AC
25		03IXPL425AC
30		03IXPL430AC
35		03IXPL435AC
Ø 5	40	03IXPL440AC
	6	03IXPL506AC
	8	03IXPL508AC
	10	03IXPL510AC
	12	03IXPL512AC
	15	03IXPL515AC
	16	03IXPL516AC
	20	03IXPL520AC
	25	03IXPL525AC
	30	03IXPL530AC
	35	03IXPL535AC
	40	03IXPL540AC
	45	03IXPL545AC

ACCIAIO INOX A2-50 STAINLESS STEEL A2-50 ROSTFREIER STAHL A2-50 INOX A2-50 INOX A2-50		
Diametro Diameter	Lunghezza Length	Codice Code
Ø 6	8	03IXPL608AC
	10	03IXPL610AC
	12	03IXPL612AC
	15	03IXPL615AC
	16	03IXPL616AC
	20	03IXPL620AC
	25	03IXPL625AC
	30	03IXPL630AC
	35	03IXPL635AC
	40	03IXPL640AC
Ø 7,1	45	03IXPL645AC
	50	03IXPL650AC
	55	03IXPL655AC
	60	03IXPL660AC
	10	03IXPL710AC
	12	03IXPL712AC
	15	03IXPL715AC
	16	03IXPL716AC
	20	03IXPL720AC
	25	03IXPL725AC
Ø 8	30	03IXPL730AC
	35	03IXPL735AC
	40	03IXPL740AC
	45	03IXPL745AC
	50	03IXPL750AC
	55	03IXPL755AC
	60	03IXPL760AC
	15	03IXPL815AC
	16	03IXPL816AC
	20	03IXPL820AC
	25	03IXPL825AC
	30	03IXPL830AC
	35	03IXPL835AC
	40	03IXPL840AC
	45	03IXPL845AC
50	03IXPL850AC	
55	03IXPL855AC	
60	03IXPL860AC	

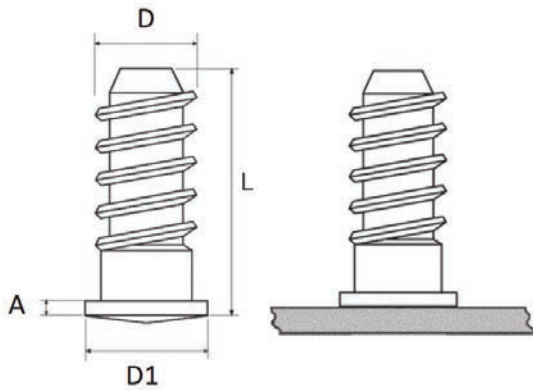
PERNI SPECIALI A SALDARE AD ARCO CORTO

COARSE THREADED SHORT-CYCLE STUDS

KURZZEIT-HUBZÜNDUNG GROBGEWINDEBOLZEN

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

ACCIAIO 4.8 RAMATO COPPERED PLATED STEEL 4.8 STAHL 4.8 VERKUPFERT ACIER 4.8 CUIVRE ACERO 4.8 COBREADO				
D	L +0,6	D1 ± 0,2	A	Codice Code
5	9	6	0,6 - 1,4	03ARAN509AC
	12			03ARAN512AC
	14,2			03ARAN514AC
	16,5			03ARAN516AC
	18			03ARAN518AC
	25			03ARAN525AC

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

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

4

22.28

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**

4

24.28

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

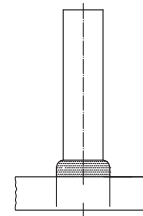
- **ASSI X-Y SERVO-ASSISTITI E PROGRAMMABILI (ASSE Z SU RICHIESTA)**
- **CONTROLLO E PROGRAMMAZIONE TRAMITE PC**
- **TOUCH-SCREEN DA 24"**
- **CONNESSIONE REMOTA TRAMITE WI-FI**
- **CARICAMENTO DEI PROGRAMMI TRAMITE USB O RETE WI-FI O ETHERNET**
- **NUMERO ILLIMITATO DI PROGRAMMI**
- **VARIABILI PER 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)**
- **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**

A RICHIESTA
ON DEMAND
AUF ANFRAGE
SUR DEMANDE
BAJO SOLICITUD

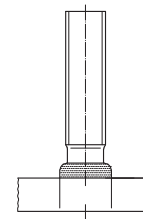
DIN EN ISO 13918

UD



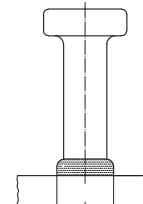
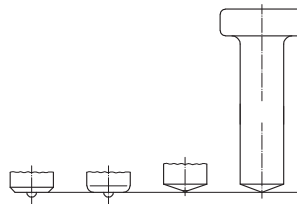
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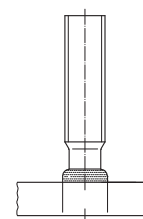
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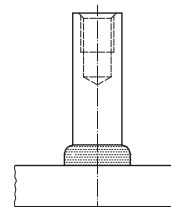
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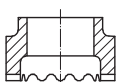
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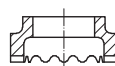
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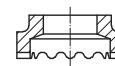
DIN EN ISO 13918

PF



DIN EN ISO 13918

UF



Fasteners for sheet metal - Fissaggi per lamiera

BLIND RIVETS - RIVETTI A STRAPPO



THREADED INSERTS - INSERTI FILETTATI

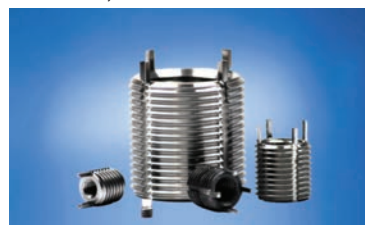


SELF CLINCHING FASTENERS - AUTOFISSANTI



Fasteners for solid parts - Fissaggi per corpi pieni

SELF-TAPPING, SPECIAL AND WIRE INSERTS BUSSOLE AUTOFILETTANTI, SPECIALI E FILETTI RIPORTATI



Fasteners for plastics - Fissaggi per la plastica

BRASS INSERTS - INSERTI IN OTTONE



Fasteners for tubes - Fissaggi per tubi

INSERTS FOR TUBES - INSERTI PER TUBI





RIVETTI A STRAPPO
BLIND RIVETS



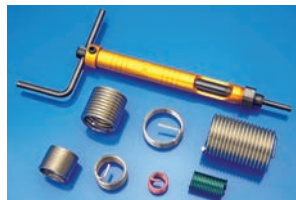
INSERTI FILETTATI
THREADED INSERTS



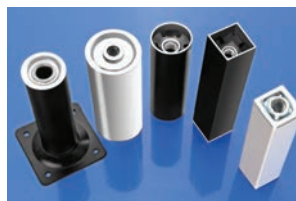
AUTOFISSANTI
*SELF-CLINCHING
FASTENERS*



**FISSAGGI PER MATERIE
PLASTICHE**
FASTENERS FOR PLASTICS



FILETTI RIPORTATI
WIRE INSERTS



INSERTI PER TUBI
INSERTS FOR TUBES



**BUSSOLE AUTOFILETTANTI
E SPECIALI**
*SELF-TAPPING AND SPECIAL
THREADED INSERTS*

FIXI®

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