

VALID from 03/2017

PRODUCT CATALOGUE

SMARTFLEX



# SMARTFLEX™

## PRODUCT CATALOGUE

VALID from 03/2017

# 2017



**Algemeine bauaufsichtliche Zulassung**

**DIBt**

Zulassungsnummer: **Z-40-23-316**

**ANTRAGSTELLER:**  
**MURGEDCO SpA**  
 Via Stefano Ferrario 21, 41012  
 21052 BUSTO ARSIZIO (VA)  
 ITALIA

**ZULASSUNGSBEFUGIETER:**  
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**Technischer Typ:** SMARTFLEX

**Datum:** 08.10.2014  
**Qualifizierung:** 1 (21.4.2015/1076)

**Gültigkeitsdauer:** 5. Mrz 2014  
**Ende:** 28. Apr 2017

Der Hersteller garantiert die Dauerhaftigkeit und die Einhaltung der wesentlichen Anforderungen an die Dauerhaftigkeit der Zulassung. Die Zulassung ist an die Bedingungen der Zulassung gebunden. Die Zulassung ist an die Bedingungen der Zulassung gebunden. Die Zulassung ist an die Bedingungen der Zulassung gebunden.

**Edif ERA**

## Certificate of Compliance

Type Approval

Issued to: NUPI INDUSTRIE ITALIANE S.p.A., Via dell' Artigianato, 13, I-40023 Castel Guelfo di Bologna, Italy.

Product range: Smartflex pipe product range

This certificate covers only those items listed on the attached pages.

Applications: Positive pressure, vacuum suction delivery, vent lines, fill pipes, vapour recovery and secondary containment

This is to certify that samples of the items listed on the attached pages have been tested by ERA Technology and have been found to comply with the requirements of the following standard for initial type testing:

**EN 14125:2013 Thermoplastic and flexible metal pipework for underground installation at petrol filling stations**

Test details are given in relevant ERA Test Certificates

NOTE 1: This certificate should only be reviewed or reproduced in full

NOTE 2: This certificate remains the property of ERA Technology Ltd. ERA reserves the right to withdraw or revise it following written notification to the issuer. Any revision is indicated by a change in certificate number.

**Conditions on the validity of this Certificate:**

- The marking on the pipes shall be updated to comply with EN 14125 Table 6
- The manual shall be updated to state that the parts SALM, SFLAK, SADOW and SROPFG may not be directly buried in the ground unless duly protected.

Certificate prepared by: *David Routledge*  
 David Routledge  
 Materials Engineer

Certificate approved by: *Ben Hickman*  
 Ben Hickman  
 Laboratory Manager

Certificate Number: 2015-0905-011      Dated: 17/05/2016

ERA Technology Ltd, Cleve Road, Leatherhead, Surrey, KT22 7SA, UK

**SGS**

**CERTIFICATE OF CONFORMANCE**

in accordance with the French law N°853201 of 01.11.85 and the Decree N°2012-186 of 20.02.2012

**2012/HBenEvensGS-SSB-2014**

Place of production: **MURGEDCO SpA**  
 Via Stefano Ferrario 21, 41012  
 21052 BUSTO ARSIZIO (VA)  
 ITALIA

Environmental report: **SGS Belgium**  
 MURGEDCO SpA  
 Street: Castel Guelfo, Busto Arsizio  
 Ref: Evens 014 2012/186/2012

Expiry date: 17.05.2016 - 16.05.2018

Period of validity: 3 years

On the new revision of the standard EN14125, two additional test files were introduced for the following: SMARTFLEX and SMARTFLEX products same new pipes were introduced in the scope. SMARTFLEX production technology is based on the use of the most advanced technology for the production of double wall pipes. SMARTFLEX production technology is based on the use of the most advanced technology for the production of double wall pipes. SMARTFLEX production technology is based on the use of the most advanced technology for the production of double wall pipes.

**kiwa**

product certificate  
 K26785/07

Issue: 2013-11-01  
 Revision: K26785/01  
 Page: 1 of 6

### Thermoplastic piping systems

STATEMENT BY ISSUER

With this product certificate, issued in accordance with the Kiwa Regulations for Product Certification, Kiwa declares the following performance levels that the products supplied by **Nupi Industrie Italiane SpA** comply with the technical specifications as laid down in the product certificate and marked with the 'Kiwa' mark in the manner as indicated in this product certificate, as follows: they are found to comply with Kiwa evaluation guideline BPL, 43330-01 dated 2011-02-01 "Thermoplastic piping systems for the transport of liquid products and their vapours". The products have been tested for conformity with the following needs:

- Pipes (100% mineral based fuel)
- Accessories (100% mineral based fuel)
- Cases (100% mineral based fuel)
- The product containing up to 20% Phased in up to 50%
- No other containing BPL (Shaded or 248)
- No thermoplastic containing up to 20% Phased
- No other containing up to 20% Phased (up to 80%)

The piping systems are suitable for above ground and underground installation.

*S. Pizzana*  
 Studio Manager  
 Piner

Publication of the certificate is allowed

Address: [www.kiwa.com](http://www.kiwa.com) in order to ensure that this certificate is still valid

Company: **Nupi Industrie Italiane SpA**  
 Via Stefano Ferrario 21, 41012  
 21052 BUSTO ARSIZIO (VA)  
 Italy  
 Phone: +39 0321 500 811  
 Fax: +39 0321 500 841  
 E-mail: [www.nupi.com](mailto:www.nupi.com)

Responsible: **SGS Testing Facilities B.V.**  
 Ringweg 55  
 38134 Lelystad  
 The Netherlands  
 Phone: +31 320 22 2220 819  
 Fax: +31 320 22 2220 841  
 E-mail: [www.kiwa.com](mailto:www.kiwa.com)

Certification personnel comply with strict and regular inspection of quality systems of product

## CERTIFICATE OF COMPLIANCE

Certificate Number: **201400125-MK25867**  
 Report Reference: **MK25867-20060908**  
 Issue Date: **2016-JANUARY-20**

Issued to: **NUPI INDUSTRIE ITALIANE SpA**  
 Via Stefano Ferrario  
 21 Sul Ovest  
 21052 Busto Arsizio VA Italy

This is to certify that representative samples of **PIPING, FLAMMABLE LIQUID, UNDERGROUND** **ULC, CHL - Nonmetallic Underground Piping for Flammable Liquids - Model Smartflex Piping TSMAN/P for use as Primary/Secondary (PS) for underground fuel transfer tanks, concentrated fuels (CT), high blend fuels (HB) and aviation and marine fuels (AM).**

Have been investigated by UL in accordance with the Standards indicated in this Certificate

Standards for Safety: **UL 971, Nonmetallic Underground Piping for Flammable Liquids**  
**ULC-990, Nonmetallic Underground Piping for Flammable and Combustible Liquids**

Additional Information: See the UL Online Certifications Directory at [www.ul.com/certmarks](http://www.ul.com/certmarks) for additional information

Only those products meeting the UL Certification Mark should be considered as being certified

Look for the UL Certification Mark on the product

*Ben Hickman*  
 Director of Certification

Page 1 of 1

## ZERTIFIKAT SKZ

### CONFORMITY CERTIFICATE

Reg. No. **5761**

Herewith we confirm in accordance with article 16 and article 22 of the German Building Regulations (BauZG), as published on 14 August 2007 (2007, 2132-VL, S. 248), and amended concerned, rules of standards and article 61 (S 9 V 24.07.2014, 2014) that the building product

**Double-wall piping system made of plastic for underground in gas stations**  
 Type **SMARTFLEX**

of the producer: **NUPI INDUSTRIE ITALIANE SpA**  
 Via Stefano Ferrario 21, 41012  
 21052 BUSTO ARSIZIO (VA)  
 ITALIA

production plant: **NUPI INDUSTRIE ITALIANE SpA**  
 Via Stefano Ferrario 21, 41012  
 21052 BUSTO ARSIZIO (VA)  
 ITALIA

According to the results of the internal production control and the factory control carried out by the issuing institute, management under building regulations,

SKZ - Testing Center  
 Friesen-Burgweg 22  
 57765 Pödingen  
 Germany

Conforms to the national technical approval no. **Z-40-23-316** of 26 September 2014  
 issued until: **28 April 2017**

This, the producer is authorized to mark the building product with the conformity mark (C-mark) in accordance with the conformity mark rules.

Wuppertal, 9 December 2015

*J.V. ...*  
 Director

is a member in good standing of the

## Petroleum Equipment Installers & Maintenance Federation

*[Signature]*  
 Chairperson

This membership is the property of the Federation and may be obtained on request. It is valid for one year unless renewed on the 31st.

**PRODUCT CATALOGUE:** 054IN25  
**REVISION:** 25  
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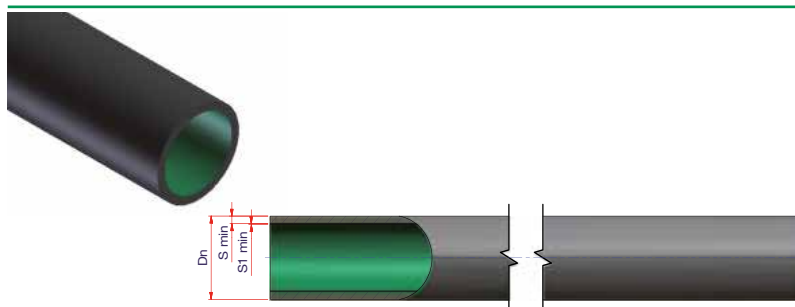
N.B.: All measures are in millimetres unless otherwise mentioned  
N.B.: Toutes les mesures sont en millimètres sauf indication contraire  
N.B.: Todas las medidas están en milímetros a menos que se indique lo contrario

N.B.: Alle Maßangaben erfolgen, sofern nicht anders angegeben, in Millimetern  
N.B.: Todas as medidas estão em milímetros a menos que indicado de outra forma  
N.B.: Tutte le misure sono espresse in millimetri salvo diversa indicazione





# SINGLE WALL SYSTEM

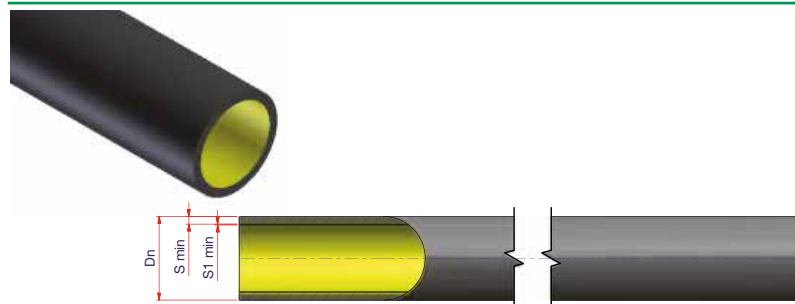


TUYAUTERIE SIMPLE PAROI POUR LIGNES DE REFOULEMENT  
EN 14125 - COURONNES/BARRES  
TUBERÍA SIMPLE PARED PARA LÍNEA DE PRODUCTO  
EN 14125 - ROLLOS/BARRAS  
EINWANDIGES ROHRSYSTEM FÜR KRAFTSTOFF  
EN 14125 - ROLLEN/STANGEN  
TUBO DE PAREDE SIMPLES PARA LINHA DE PRODUTO  
EN 14125 - BOBINAS/BARRAS  
TUBO SINGOLA PARETE PER CARBURANTE  
EN 14125 - ROTOLI/BARRE

## EN 14125 SINGLE WALL PRODUCT PIPE - COILS, STRAIGHT LENGTHS/STICKS (TSMAH)

Code	ø	Package (m)	Dn	S min	S1 min (*)	Weight kg/m	Notes
19TSMAH32R75	32	75	32	2.4	1	0.36	coils/couronnes/rollos/Rollen/bobinas/rotoli
19TSMAH50R75	50	75	50	3.7	1	0.75	coils/couronnes/rollos/Rollen/bobinas/rotoli EN14125 listed
19TSMAH50B6	50	5x5.8	50	3.7	1	0.75	straight lengths (sticks)/barres/barras/Stangen/barras/barre EN14125 listed
19TSMAH63R75	63	75	63	4.7	1	1.14	coils/couronnes/rollos/Rollen/bobinas/rotoli EN14125 listed
19TSMAH63B6	63	4x5.8	63	4.7	1	1.14	straight lengths (sticks)/barres/barras/Stangen/barras/barre EN14125 listed
19TSMAH90R30	90	30	90	6.7	1	2.13	coils/couronnes/rollos/Rollen/bobinas/rotoli EN14125 listed
19TSMAH90B6	90	2x5.8	90	6.7	1	2.13	straight lengths (sticks)/barres/barras/Stangen/barras/barre EN14125 listed
19TSMAH110B6	110	2x5.8	110	8.1	1	3.07	straight lengths (sticks)/barres/barras/Stangen/barras/barre EN14125 listed
19TSMAH160B6	160	1x5.8	160	11.8	1	6.32	straight lengths (sticks)/barres/barras/Stangen/barras/barre
19TSMAH200B6 (**)	200	1x5.8	200	14.7	1	9.82	straight lengths (sticks)/barres/barras/Stangen/barras/barre
19TSMAH250B6 (**)	250	1x5.8	250	18.4	1	15.12	straight lengths (sticks)/barres/barras/Stangen/barras/barre

(\*) DiBt pipe, S1min = 1 mm - (\*) tuyau DiBt, S1min = 1 mm - (\*) tubo DiBt, S1min = 1 mm - (\*) DiBt Rohr, S1min = 1 mm - (\*) tubo DIBT, S1min = 1 mm - (\*) tubo DiBt, S1min = 1 mm  
(\*\*) available upon request - disponible sur demande - disponible a pedido - verfügbar auf Anfrage - disponibile su richiesta



TUYAUTERIE SIMPLE PAROI POUR RÉCUPÉRATION DE VAPEURS,  
EVENT ET DÉPOTAGE - EN 14125, IP ET KIWA - COURONNES/BARRES  
TUBERÍA SIMPLE PARED PARA RECUPERACIÓN DE VAPORES, VENTEO,  
DESCARGAS - EN 14125, IP Y KIWA - ROLLOS/BARRAS  
EINWANDIGES ROHRSYSTEM FÜR GASPENDELUNG, ENTLÜFTUNG UND  
BEFÜLLUNG - EN 14125, IP UND KIWA - ROLLEN/STANGEN  
TUBO DE PAREDE SIMPLES PARA LINHA DE VAPOR/RESPIRO/DESCARGA  
- EN 14125, IP E KIWA - BOBINAS/BARRAS  
TUBO SINGOLA PARETE PER RECUPERO VAPORI, LINEE DI EQUILIBRIO E  
CARICO - EN 14125, IP E KIWA - ROTOLI/BARRE

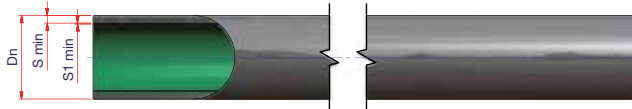
## EN 14125, IP & KIWA SINGLE WALL VAPOR / VENT / FILL PIPE - COILS, STRAIGHT LENGTHS/STICKS (T SMAU)

Code	ø	Package (m)	Dn	S min	S1 min	Weight kg/m	Notes
19T SMAU32R75	32	75	32	2.4	0.4	0.29	coils/couronnes/rollos/Rollen/bobinas/rotoli KIWA listed
19T SMAU50R75	50	75	50	3.7	0.4	0.64	coils/couronnes/rollos/Rollen/bobinas/rotoli EN14125, IP & KIWA listed
19T SMAU50B6	50	5x5.8	50	3.7	0.4	0.64	straight lengths (sticks)/barres/barras/Stangen/barras/barre EN14125, IP & KIWA listed
19T SMAU63R75	63	75	63	4.7	0.4	0.99	coils/couronnes/rollos/Rollen/bobinas/rotoli EN14125, IP & KIWA listed
19T SMAU63B6	63	4x5.8	63	4.7	0.4	0.99	straight lengths (sticks)/barres/barras/Stangen/barras/barre EN14125, IP & KIWA listed
19T SMAU90R30	90	30	90	6.7	0.4	1.92	coils/couronnes/rollos/Rollen/bobinas/rotoli EN14125, IP & KIWA listed
19T SMAU90B6	90	2x5.8	90	6.7	0.4	1.92	straight lengths (sticks)/barres/barras/Stangen/barras/barre EN14125, IP & KIWA listed
19T SMAU110B6	110	2x5.8	110	8.1	0.4	2.81	straight lengths (sticks)/barres/barras/Stangen/barras/barre EN14125, IP & KIWA listed
19T SMAU160B6	160	1x5.8	160	11.8	0.4	5.94	straight lengths (sticks)/barres/barras/Stangen/barras/barre





## SINGLE WALL SYSTEM



TUYAUTERIE SIMPLE PAROI POUR LIGNES DE REFOULEMENT  
IP ET KIWA - COURONNES/BARRES

TUBERÍA SIMPLE PARED PARA LÍNEA DE PRODUCTO  
IP Y KIWA - ROLLOS/BARRAS

EINWANDIGES ROHRSYSTEM FÜR KRAFTSTOFF  
IP UND KIWA - ROLLEN/STANGEN

TUBO DE PAREDE SIMPLES PARA LINHA DE PRODUTO  
IP E KIWA - BOBINAS/BARRAS

TUBO SINGOLA PARETE PER CARBURANTE  
IP E KIWA - ROTOLI/BARRE

### IP & KIWA SINGLE WALL PRODUCT PIPE - COILS, STRAIGHT LENGTHS/STICKS (TSMA)

Code	∅	Package (m)	Dn	S min	S1 min	Weight kg/m	Notes
19TSMAS32R75	32	75	32	2.4	1	0.35	coils/couronnes/rollos/Rollen/bobinas/rotoli KIWA listed
19TSMAS50R75	50	75	50	3.7	1	0.73	coils/couronnes/rollos/Rollen/bobinas/rotoli IP & KIWA listed
19TSMAS50B6	50	5x5.8	50	3.7	1	0.73	straight lengths (sticks)/barres/barras/Stangen/barras/barre IP & KIWA listed
19TSMAS63R75	63	75	63	4.7	1	1.11	coils/couronnes/rollos/Rollen/bobinas/rotoli IP & KIWA listed
19TSMAS63B6	63	4x5.8	63	4.7	1	1.11	straight lengths (sticks)/barres/barras/Stangen/barras/barre IP & KIWA listed
19TSMAS90R30	90	30	90	6.7	1	2.09	coils/couronnes/rollos/Rollen/bobinas/rotoli IP & KIWA listed
19TSMAS90B6	90	2x5.8	90	6.7	1	2.09	straight lengths (sticks)/barres/barras/Stangen/barras/barre IP & KIWA listed
19TSMAS110B6	110	2x5.8	110	8.1	1	3.02	straight lengths (sticks)/barres/barras/Stangen/barras/barre IP & KIWA listed
19TSMAS160B6 (*)	160	1x5.8	160	11.8	1	6.25	straight lengths (sticks)/barres/barras/Stangen/barras/barre
19TSMAS200B6 (*)	200	1x5.8	200	14.7	1	9.74	straight lengths (sticks)/barres/barras/Stangen/barras/barre
19TSMAS250B6 (*)	250	1x5.8	250	18.4	1	15.01	straight lengths (sticks)/barres/barras/Stangen/barras/barre

(\*) available upon request - disponible sur demande - disponible a pedido - verfügbar auf Anfrage - disponível sob encomenda - disponibile su richiesta



TUYAUTERIE SIMPLE PAROI POUR LIGNES DE REFOULEMENT  
CONFORME UL 971 - COURONNES/BARRES

TUBERÍA SIMPLE PARED PARA LÍNEA DE PRODUCTO  
EN CONFORMIDAD CON UL 971 - ROLLOS/BARRAS

EINWANDIGES ROHRSYSTEM FÜR KRAFTSTOFF  
MIT ZERTIFIKAT UL 971 - ROLLEN/STANGEN

TUBO DE PAREDE SIMPLES PARA LINHA DE PRODUTO  
EM CONFORMIDADE COM UL 971 - BOBINAS/BARRAS

TUBO SINGOLA PARETE PER CARBURANTE  
IN CONFORMITÀ ALLA NORMA UL 971 - ROTOLI/BARRE

### UL 971 LISTED SINGLE WALL PRODUCT PIPE - COILS, STRAIGHT LENGTHS/STICKS (TSMAXP)

Code	∅	Package (m)	Dn	S min	S1 min	S2 min	Weight kg/m	Notes
19TSMAXP32R75	32	75	32	3.7	0.3	0.3	0.51	coils/couronnes/rollos Rollen/bobinas/rotoli
19TSMAXP50R75	50	75	50	3.7	0.3	0.3	0.84	coils/couronnes/rollos Rollen/bobinas/rotoli
19TSMAXP50B6	50	5x5.8	50	3.7	0.3	0.3	0.84	straight lengths (sticks)/barres/ barras/Stangen/barras/barre
19TSMAXP63R75	63	75	63	4.7	0.3	0.3	1.25	coils/couronnes/rollos Rollen/bobinas/rotoli
19TSMAXP63B6	63	4x5.8	63	4.7	0.3	0.3	1.25	straight lengths (sticks)/barres/ barras/Stangen/barras/barre
19TSMAXP90B6	90	2x5.8	90	6.7	0.3	0.3	2.29	straight lengths (sticks)/barres/ barras/Stangen/barras/barre
19TSMAXP110B6	110	2x5.8	110	8.1	0.3	0.3	3.26	straight lengths (sticks)/barres/ barras/Stangen/barras/barre



## SINGLE WALL SYSTEM



TUYAUTERIE SIMPLE PARI POUR RÉCUPÉRATION DE VAPEURS  
CONFORME UL 971 - COURONNES/BARRÉS

TUBERÍA SIMPLE PARED PARA RECUPERACIÓN DE VAPORES Y VENTEO  
EN CONFORMIDAD CON UL 971 - ROLLOS/BARRAS

EINWANDIGES ROHRSYSTEM FÜR GASPENDELUNG UND ENTLÜFTUNG -  
MIT ZERTIFIKAT UL 971 - ROLLEN/STANGEN

TUBO DE PAREDE SIMPLES PARA LINHA DE VAPOR/RESPIRO, EM  
CONFORMIDADE COM UL 971 - BOBINAS/BARRAS

TUBO SINGOLA PARETE PER RECUPERO VAPORI E LINEE DI EQUILIBRIO IN  
CONFORMITÀ ALLA NORMA UL 971 - ROTOLI/BARRE

### UL 971 LISTED SINGLE WALL VAPOR / VENT PIPE - COILS, STRAIGHT LENGTHS/STICKS (T SMAUXP)

Code	Ø	Package (m)	Dn	S min	S1 min	Weight kg/m	Notes
19TSMAUXP50R75	50	75	50	3.7	0.3	0.64	coils/couronnes/rollos Rollen/bobinas/rotoli
19TSMAUXP50B6	50	5x5.8	50	3.7	0.3	0.64	straight lengths (sticks)/barres/ barras/Stangen/barras/barre
19TSMAUXP63R75	63	75	63	4.7	0.3	0.91	coils/couronnes/rollos Rollen/bobinas/rotoli
19TSMAUXP63B6	63	4x5.8	63	4.7	0.3	0.91	straight lengths (sticks)/barres/ barras/Stangen/barras/barre
19TSMAUXP90R30	90	30	90	6.7	0.3	1.80	coils/couronnes/rollos Rollen/bobinas/rotoli
19TSMAUXP90B6	90	2x5.8	90	6.7	0.3	1.80	straight lengths (sticks)/barres/ barras/Stangen/barras/barre
19TSMAUXP110B6	110	2x5.8	110	8.1	0.3	2.66	straight lengths (sticks)/barres/ barras/Stangen/barras/barre

N.B.:

Please contact NUPI INDUSTRIE ITALIANE for non-standard lengths and delivery time.

S'il vous plait contactez NUPI INDUSTRIE ITALIANE pour longueurs hors standard et temps de livraison.

Les rogamos que contacten NUPI INDUSTRIE ITALIANE para longitudes no estándar y tiempo de entrega.

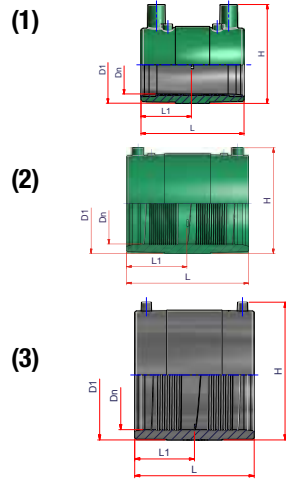
Wegen Längen außerhalb des Standards und den jeweiligen Lieferzeiten wenden Sie sich bitte an NUPI INDUSTRIE ITALIANE.

Para comprimentos fora do padrão e prazos de entrega favor contactar a NUPI INDUSTRIE ITALIANE.

Contattare NUPI INDUSTRIE ITALIANE per lunghezze fuori standard e relativi tempi di consegna.



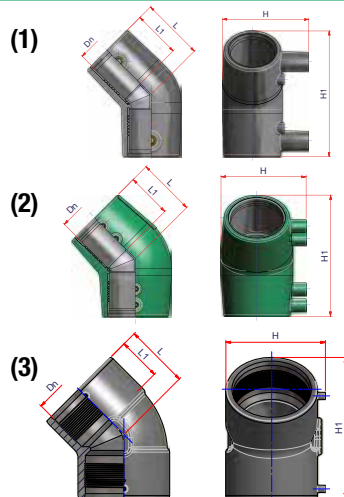
# SINGLE WALL SYSTEM



MANCHON SIMPLE PARI ELECTROSOUDABLE  
 MANGUITO SIMPLE PARED ELECTROSOLDABLE  
 ELEKTROSCHEISSBARE EINWANDIGE MUFFE  
 UNIÃO PAREDE SIMPLES ELECTROSOLDÁVEL  
 MANICOTTO SINGOLA PARETE ELETTRISALDABILE

## COUPLER - ELECTROFUSION (SME - SMEN)

Code	ø	Dn	D1	L1	L	H	Notes
19SME32 <sup>(1)</sup>	32	32	46	34	70	65	
19SME40 <sup>(1)</sup>	40	40	55	41	84	75	
19SME50 <sup>(1)</sup>	50	50	67	42	87	86	
19SME63 <sup>(1)</sup>	63	63	83	47	97	100	
19SMEN90 <sup>(2)</sup>	90	90	113	72	145	128	
19SMEN110 <sup>(2)</sup>	110	110	134	77	155	150	
19SMEN160 <sup>(3)</sup>	160	160	191	86	173	201	



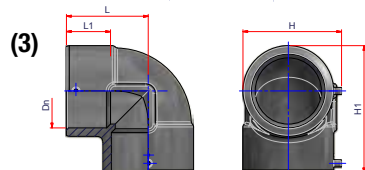
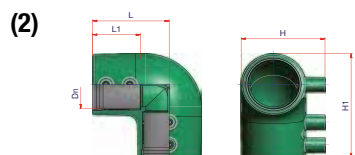
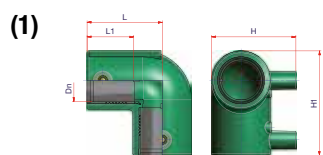
COUDE SIMPLE PARI À 45° ELECTROSOUDABLE  
 CODO SIMPLE PARED DE 45° ELECTROSOLDABLE  
 ELEKTROSCHEISSBARER EINWANDIGER 45°-WINKEL  
 COTOVELO 45° PAREDE SIMPLES ELECTROSOLDÁVEL  
 CURVA SINGOLA PARETE A 45° ELETTRISALDABILE

## ELBOW 45° - ELECTROFUSION (SCE)

Code	ø	Dn	L1	L	H1	H	Notes
19SCE32 <sup>(1)</sup>	32	32	35	46.5	94	64	single wire/monofilaire/unifilar/Einleitersystem/unifilar/monofilare
19SCE50 <sup>(2)</sup>	50	50	47	63	126	85	double wire/bifilaire/bifilar/Doppelleitungssystem/bifilar/bifilare
19SCE63 <sup>(2)</sup>	63	63	54	68	146	100	double wire/bifilaire/bifilar/Doppelleitungssystem/bifilar/bifilare
19SCE90 <sup>(2)</sup>	90	90	67	97	219	132	double wire/bifilaire/bifilar/Doppelleitungssystem/bifilar/bifilare
19SCE110 <sup>(2)</sup>	110	110	81	107	249	152	double wire/bifilaire/bifilar/Doppelleitungssystem/bifilar/bifilare
19SCE160 <sup>(3)</sup>	160	160	90	134	296	208	single wire/monofilaire/unifilar/Einleitersystem/unifilar/monofilare



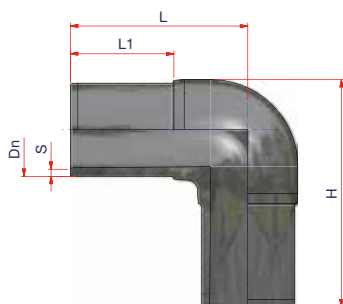
# SINGLE WALL SYSTEM



COUDE SIMPLE PAROI À 90° ELECTROSOUDABLE  
 CODO SIMPLE PARED DE 90° ELECTROSOLDABLE  
 ELEKTROSCHWEISSBARER EINWANDIGER 90°-WINKEL  
 COTOVELO 90° PAREDE SIMPLES ELECTROSOLDÁVEL  
 CURVA SINGOLA PARETE A 90° ELETTRISOLDABILE

## ELBOW 90° - ELECTROFUSION (SGE)

Code	ø	Dn	L1	L	H1	H	Notes
19SGE32 <sup>(1)</sup>	32	32	35	57	79	65	single wire/monofilaire/unifilar/Einleitersystem/unifilar/monofilare
19SGE40 <sup>(2)</sup>	40	40	41	68	92	72	double wire/bifilaire/bifilar/Doppelleitungssystem/bifilar/bifilare
19SGE50 <sup>(2)</sup>	50	50	47	77	107	84	double wire/bifilaire/bifilar/Doppelleitungssystem/bifilar/bifilare
19SGE63 <sup>(2)</sup>	63	63	53	88	126	100	double wire/bifilaire/bifilar/Doppelleitungssystem/bifilar/bifilare
19SGE90 <sup>(2)</sup>	90	90	68	120	174	132	double wire/bifilaire/bifilar/Doppelleitungssystem/bifilar/bifilare
19SGE110 <sup>(2)</sup>	110	110	81	140	205	152	double wire/bifilaire/bifilar/Doppelleitungssystem/bifilar/bifilare
19SGE160 <sup>(3)</sup>	160	160	90	173	269	208	single wire/monofilaire/unifilar/Einleitersystem/unifilar/monofilare



COUDE SIMPLE PAROI À 90° À ERGOT  
 CODO SIMPLE PARED ESPIGA DE 90°  
 EINWANDIGER 90°-KRÜMMER MIT STUTZEN  
 COTOVELO 90° DE PAREDE SIMPLES COM ESPIGÃO  
 CURVA SINGOLA PARETE A 90° A CODOLO

## ELBOW 90° - LONG SPIGOT (SG)

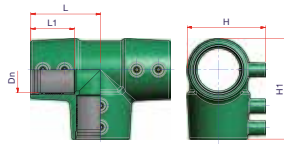
Code	ø	Dn	S	L1	L	H	Notes
19SG50	50	50	4.6	55	90	117	
19SG63	63	63	5.8	70	120	154	
19SG90	90	90	8.2	89	146	196	
19SG110	110	110	10.0	86	153	212	



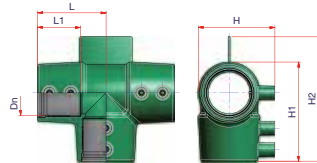
# SINGLE WALL SYSTEM



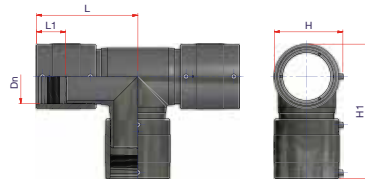
(1)



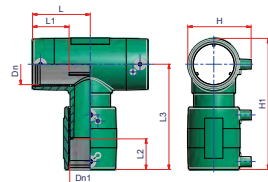
(2)



(3)



(4)

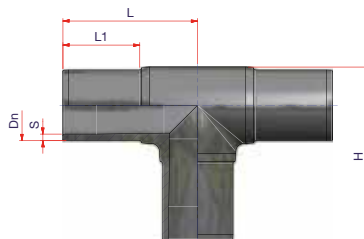


TÉ ÉGAL SIMPLE PAROI ELECTROSOUDABLE  
TE SIMPLE PARED ELECTROSOLDABLE  
ELEKTROSCHWEISSBARES EINWANDIGES T-STÜCK  
TUBO EM T PAREDE SIMPLES ELECTROSOLDÁVEL  
TEE SINGOLA PARETE ELETTRISOLDABILE

## EQUAL TEE - ELECTROFUSION (STE - STELV)

Code	ø	Dn	Dn1	L1	L	H1	H2	H	L2	L3	Notes
19STELV32 <sup>(4)</sup> •	32	32	32	31	55	134	-	64	34	112	single wire/monofilaire/unifilar/Einleitersystem/unifilar/monofilare
19STE40 <sup>(4)</sup> •	40	40	40	44	66.5	155	-	74	41	128	single wire/monofilaire/unifilar/Einleitersystem/unifilar/monofilare
19STE50 <sup>(2)</sup>	50	50	-	48	77	112	142	86	-	-	double wire/bifilaire/bifilar/Doppelleitungssystem/bifilar/bifilare
19STELV63 <sup>(4)</sup> •	63	63	63	57	90	206	-	99	47	165	single wire/monofilaire/unifilar/Einleitersystem/unifilar/monofilare
19STE90 <sup>(1)</sup>	90	90	-	68	120	182	-	134	-	-	double wire/bifilaire/bifilar/Doppelleitungssystem/bifilar/bifilare
19STE110 <sup>(1)</sup>	110	110	-	83	144	214	-	154	-	-	double wire/bifilaire/bifilar/Doppelleitungssystem/bifilar/bifilare
19STE160 <sup>(3)</sup> •	160	160	-	87	297	394	-	201	-	-	single wire/monofilaire/unifilar/Einleitersystem/unifilar/monofilare

• tee+coupler - té+manchon - te+manguito - T-Stück+ Muffe - tubo em T + união - tee+manicotto



TÉ ÉGAL SIMPLE PAROI À ERGOT  
TE SIMPLE PARED ESPIGA  
EINWANDIGES T-STÜCK MIT STUTZEN  
TUBO EM T PAREDE SIMPLES COM ESPIGÃO  
TEE SINGOLA PARETE A CODOLO

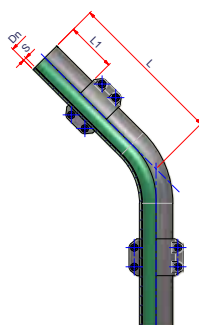
## EQUAL TEE - LONG SPIGOT (ST)

Code	ø	Dn	S	L1	L	H	Notes
19ST32	32	32	3.0	45	70	92	
19ST50	50	50	4.6	55	90	117	
19ST63	63	63	5.8	69	120	154	
19ST90	90	90	8.2	90	148.8	197	
19ST110	110	110	10.0	87	160	221	





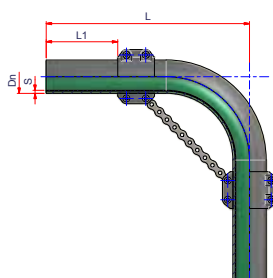
## SINGLE WALL SYSTEM



COUDE SIMPLE PAROI À 45°  
 CODO SIMPLE PARED DE 45°  
 EINWANDIGER 45°-KRÜMMER  
 COTOVELO DE PAREDE SIMPLS 45°  
 CURVA SINGOLA PARETE A 45°

### FORMED BEND 45° (SCB)

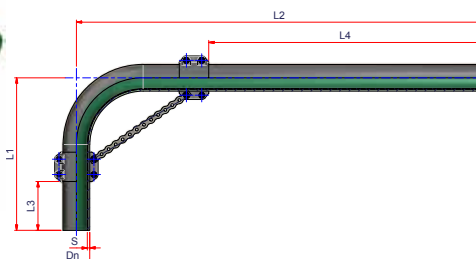
Code	ø	Dn	S	L1	L	Notes
19SCB50	50	50	4.7	125	295	
19SCB63	63	63	5.7	125	297	



COUDE SIMPLE PAROI À 90°  
 CODO SIMPLE PARED DE 90°  
 EINWANDIGER 90°-KRÜMMER  
 COTOVELO DE PAREDE SIMPLS 90°  
 CURVA SINGOLA PARETE A 90°

### FORMED BEND 90° (SGB)

Code	ø	Dn	S	L1	L	Notes
19SGB50	50	50	4.7	135	322	
19SGB63	63	63	5.7	135	384	



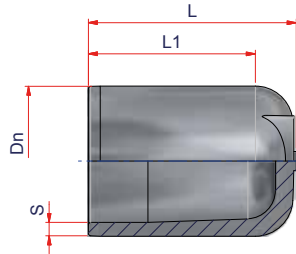
COUDE SIMPLE PAROI LONG À 90°  
 CODO SIMPLE PARED LARGO DE 90°  
 EINWANDIGER 90°-KRÜMMER, LANG  
 COTOVELO DE PAREDE SIMPLS LONGO 90°  
 CURVA SINGOLA PARETE LUNGA A 90°

### EXTENDED FORMED BEND 90° (SGBEXT)

Code	ø	Dn	S	L1	L2	L3	L4	Notes
19SGBEXT50	50	50	4.7	328	925	115	700	
19SGBEXT63	63	63	5.7	360	958	115	645	



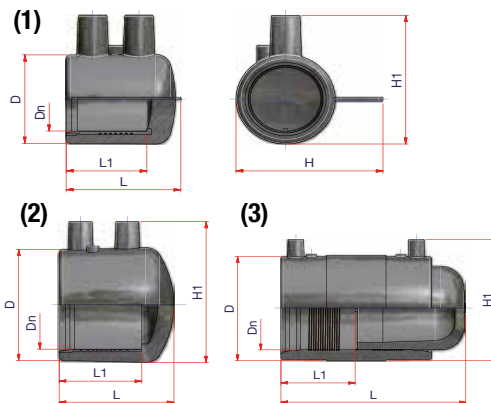
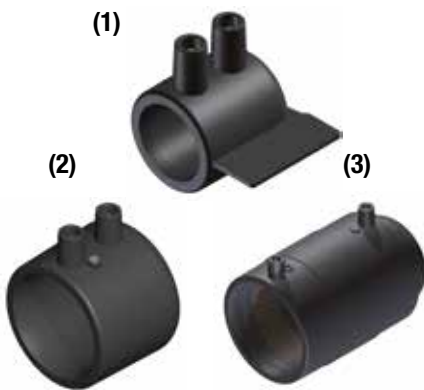
## SINGLE WALL SYSTEM



BOUCHON À ERGOT  
TAPÓN ESIPIGA  
STUTZENVERSCHLUSS  
TAMPA DO ESIPIÃO  
TAPPO A CODOLO

### SPIGOT END CAP (STPCL)

Code	ø	Dn	S	L1	L	Notes
19STPCL32	32	32	3	49	57	
19STPCL50	50	50	4.6	58	70	
19STPCL63	63	63	5.8	68	84	
19STPCL90	90	90	8.2	83	103	
19STPCL110	110	110	10	87	115	
19STPCL125	125	125	11.4	95	125	
19STPCL160	160	160	14.6	108	140	



BOUCHON ELECTROSODABLE  
TAPÓN ELECTROSOLDABLE  
ELEKTROSCHWEISSBARER VERSCHLUSS  
TAMPA ELECTROSOLDÁVEL  
TAPPO ELETTRISALDABILE

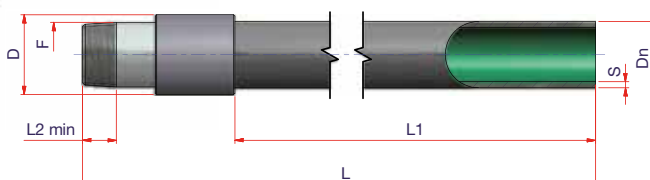
### END CAP - ELECTROFUSION (STPCLEL)

Code	ø	Dn	D	L1	L	H	H1	Notes
19STPCLEL32 <sup>(1)</sup>	32	32	45	36	52	67	65	
19STPCLEL50 <sup>(1)</sup>	50	50	68	46.5	61	89	86	
19STPCLEL63 <sup>(2)</sup>	63	63	80.5	52	70	100	-	
19STPCLEL90 <sup>(3)</sup> •	90	90	113	72	180	130	-	
19STPCLEL110 <sup>(3)</sup> •	110	110	136	76.5	195	144	-	
19STPCLEL125 <sup>(3)</sup> •	125	125	156	82	210	168	-	
19STPCLEL160 <sup>(3)</sup> •	160	160	191	87	230	201	-	

• spigot end cap+coupler – bouchon à ergot+manchon – tapón espiga+manguito - Stutzenverschluss+Muffe – tampa do espigão+união – tappo a codolo+manicotto




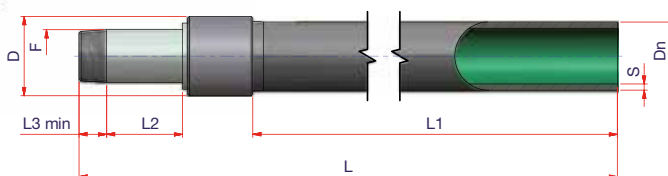
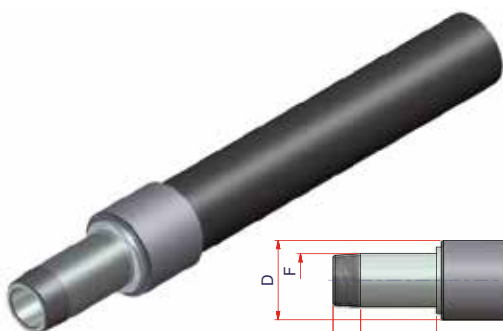
## SINGLE WALL SYSTEM



ADAPTATEUR MÂLE LONG SIMPLE PAROI  
 ADAPTADOR MACHO LARGO SIMPLE PARED  
 EINWANDIGER ADAPTER MIT AUSSENGEWINDE, LANG  
 TRANSIÇÃO MACHO LONGA DE PAREDE SIMPLES  
 ADATTATORE MASCHIO LUNGO SINGOLA PARETE

### RISER (SALM)

Code	ø	Dn	F	S	D	L	L1	L2 min	Notes
19SALM50112	50 x 1 1/2"	50	1 1/2"	4.5	60	1115	1000	19.1	
19SALM63112	63 x 1 1/2"	63	1 1/2"	6	73	1160	1000	19.1	
19SALM632	63 x 2"	63	2"	6	73	1130	1000	23.4	
19SALM50112NPT	50 x 1 1/2"	50	1 1/2" NPT	4.5	60	1115	1000	18.4	 NPT thread NPT thread/filet NPT/ rosca NPT/NPT-Gewinde/ rosca NPT/filettatura NPT
19SALM63112NPT	63 x 1 1/2"	63	1 1/2" NPT	6	73	1124	1000	18.4	
19SALM632NPT	63 x 2"	63	2" NPT	6	73	1130	1000	19.2	



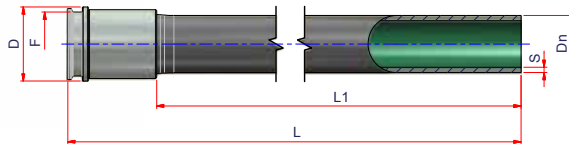
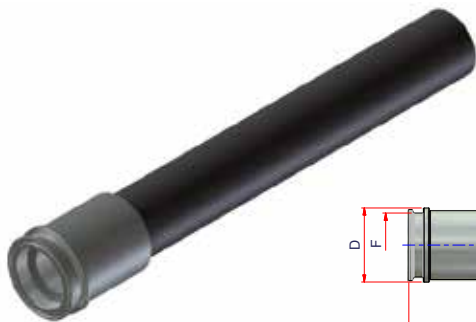
ADAPTATEUR MÂLE SIMPLE PAROI AVEC COLLET LONG  
 ADAPTADOR MACHO SIMPLE PARED CON COLLAR LARGO  
 EINWANDIGER ADAPTER MIT AUSSENGEWINDE UND  
 LANGEM HALS  
 TRANSIÇÃO MACHO DE PAREDE SIMPLES COM COLLAR  
 LONGO  
 ADATTATORE MASCHIO SINGOLA PARETE CON COLLARE  
 ALLUNGATO

### RISER MALE LONG COLLAR (SALM\_T70SS - SALM\_T70)

Code	ø	Dn	F	S	D	L	L1	L2	L3 min	Notes
19SALM50112T70SS	50 x 1 1/2"	50	1 1/2"	4.5	60	1115	1000	70	19.1	Stainless Steel AISI 304 - Rostfreier Stahl AISI 304 - INOX AISI 304
19SALM63112T70SS	63 x 1 1/2"	63	1 1/2"	5.7	73	1160	1000	70	19.1	Stainless Steel AISI 304 - Rostfreier Stahl AISI 304 - INOX AISI 304
19SALM63112T70	63 x 1 1/2"	63	1 1/2"	5.7	73	1160	1000	70	19.1	nickel plated - nickelé - niquelado vernicket - niquelado - nichelato



## SINGLE WALL SYSTEM

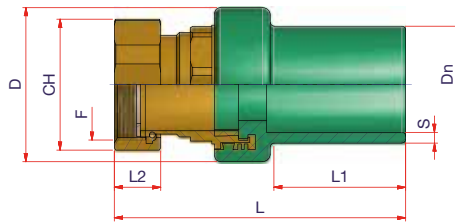


ADAPTATEUR RAPIDE LONG SIMPLE PARI EZ-FIT  
 ADAPTADOR LARGO SIMPLE PARED EZ-FIT  
 EINWANDIGER ADAPTER EZ-FIT  
 ADAPTADOR LONGO DE PAREDE SIMPLES EZ-FIT  
 ADATTATORE LUNGO SINGOLA PARETE EZ-FIT



### LONG ADAPTER EZ-FIT (SALE)

Code	ø	Dn	F	S	D	L	L1	Notes
19SALE50	50	50	EZ 2"	4.6	65	578	500	
19SALE63	63	63	EZ 2"	5.8	73	578	500	



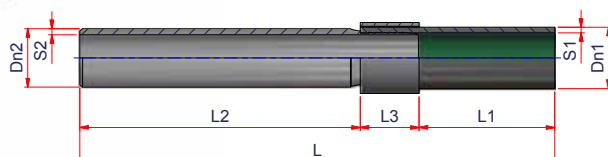
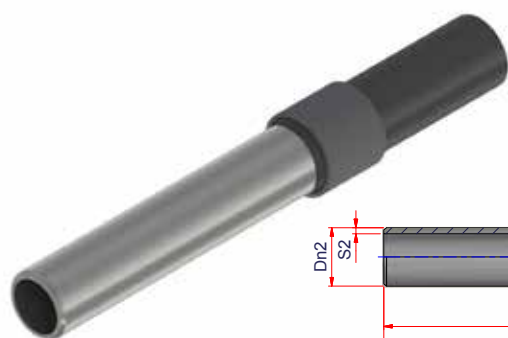
ADAPTATEUR FEMELLE SIMPLE PARI A EMBOUT LIBRE  
 ADAPTADOR HEMBRA SIMPLE PARED CON TUERCA LOCA  
 EINWANDIGER ADAPTER MIT FREIER NUTMUTTER MIT INNENGEWINDE  
 ADAPTADOR FÊMEA PORCA LOUCA DE PAREDE SIMPLES  
 ADATTATORE FEMMINA SINGOLA PARETE CON GHIERA LIBERA

### ADAPTER FEMALE SWIVEL (SAFSW)

Code	ø	Dn	F	S	D	L	L1	L2	CH	Notes
19SAFSW50112	50 x 1 1/2"	50	1 1/2"	4.6	70	145	61	22	54	BSP thread BSP thread/filet BSP/ rosca BSP/BSP-Gewinde/ rosca BSP/filettatura BSP
19SAFSW632	63 x 2"	63	2"	5.8	84	162	69	25	66	
19SAFSW50112NPT	50 x 1 1/2"	50	1 1/2" NPT	4.6	70	145	61	22	54	 NPT thread NPT thread/filet NPT/ rosca NPT/NPT-Gewinde/ rosca NPT/filettatura NPT
19SAFSW632NPT	63 x 2"	63	2" NPT	5.8	84	162	69	25	66	



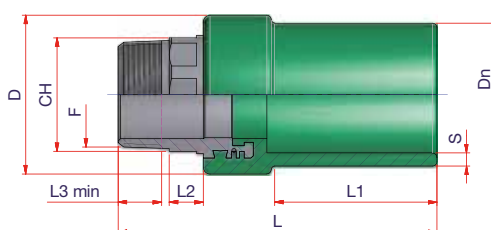
## SINGLE WALL SYSTEM



RACCORD DE TRANSITION TSMA (PLASTIQUE) / ACIER  
 ACCESORIO DE TRANSICIÓN TSMA (PLÁSTICO) / ACERO  
 STAHL/TSMA (PLASTIK) ENDSTÜCK  
 UNIÃO DE TRANSIÇÃO TSMA (PLÁSTICO) / AÇO  
 RACCORDO DI TRANSIZIONE TSMA (PLASTICA) / ACCIAIO

### STEEL/TSMA PLASTIC TRANSITION FITTING (SAL)

Code	ø	Dn1	S1	L1	Dn2	S2	L2	L3	L	Notes
19SAL632	63 x 2"	63	5,7	145	2"	3,91	300	60	505	
19SAL1104	110 x 4"	110	9,1	210	4"	6,02	300	75	585	



ADAPTATEUR MÂLE SIMPLE PARI NICELÉ  
 ADAPTADOR MACHO SIMPLE PARED NIQUELADO  
 EINWANDIGER ADAPTER MIT AUSSENGEWINDE, VERNICKELT  
 ADAPTADOR MACHO DE PAREDE SIMPLES NIQUELADO  
 ADATTATORE MASCHIO SINGOLA PARETE NICHELATO

### ADAPTER MALE NICKEL PLATED (SAMNP)

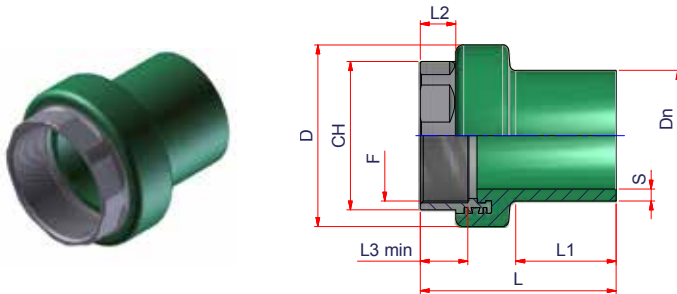
Code	ø	Dn	F	S	D	L	L1	L2	L3 min	CH	Notes
19SAMNP321*	32 x 1"	32	1"	3	50	110	48	14	16.8	34	
19SAMNP50112	50 x 1 1/2"	50	1 1/2"	4.6	70	133	62	14	19.1	50	
19SAMNP502	50 x 2"	50	2"	4.6	83	138	62	18	23.4	60	
19SAMNP63112	63 x 1 1/2"	63	1 1/2"	5.8	70	140	71	14	19.1	50	BSP thread/filet BSP/ rosca BSP/BSP-Gewinde/ rosca BSP/filettatura BSP
19SAMNP632	63 x 2"	63	2"	5.8	83	147	69	18	23.4	60	
19SAMNP903	90 x 3"	90	3"	8.2	118	181	87	23	29.8	90	
19SAMNP1104	110 x 4"	110	4"	10	152	203	82	31	35.8	115	
19SAMNP50112NPT	50 x 1 1/2"	50	1 1/2" NPT	4.6	70	133	62	14	18.4	50	
19SAMNP502NPT	50 x 2"	50	2" NPT	4.6	83	138	62	18	19.2	60	
19SAMNP63112NPT	63 x 1 1/2"	63	1 1/2" NPT	5.8	70	140	71	14	18.4	50	NPT thread/filet NPT/ rosca NPT/NPT-Gewinde/ rosca NPT/filettatura NPT
19SAMNP632NPT	63 x 2"	63	2" NPT	5.8	83	147	69	18	19.2	60	
19SAMNP903NPT	90 x 3"	90	3" NPT	8.2	118	181	87	23	30.5	90	
19SAMNP1104NPT	110 x 4"	110	4" NPT	10	152	203	82	31	33	115	

(\*) available upon request - disponible sur demande - disponible a pedido - verfügbar auf Anfrage - disponível sob encomenda- disponibile su richiesta





# SINGLE WALL SYSTEM

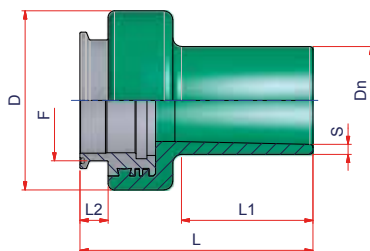


ADAPTATEUR FEMELLE SIMPLE PARI NIQUELÉ  
 ADAPTADOR HEMBRA SIMPLE PARED NIQUELADO  
 EINWANDIGER ADAPTER MIT INNENGEWINDE, VERNICKELT  
 ADAPTADOR FÊMEA DE PAREDE SIMPLES NIQUELADO  
 ADATTATORE FEMMINA SINGOLA PARETE NICHELATO

## ADAPTER FEMALE NICKEL PLATED (SAFNP)

Code	ø	Dn	F	S	D	L	L1	L2	L3 min	CH	Notes
19SAFNP321	32 x 1"	32	1"	3	50	89	47	13	21	41	
19SAFNP50112	50 x 1 ½"	50	1 ½"	4.6	70	110	62	15	19	55	
19SAFNP502 (*)	50 x 2"	50	2"	4.6	84	115	62	20	23.7	65	
19SAFNP63112	63 x 1 ½"	63	1 ½"	5.8	71	118	69	15	19	55	
19SAFNP632	63 x 2"	63	2"	5.8	84	122	69	20	23.7	65	BSP thread/ filet BSP/ rosca BSP/ BSP-Gewinde/ rosca BSP/ filettatura BSP
19SAFNP903	90 x 3"	90	3"	8.2	119	152	87	24	33.3	95	
19SAFNP1103	110 x 3"	110	3"	10	125	170	95	24	33.3	95	
19SAFNP1104	110 x 4"	110	4"	10	152	165	82	31	39.3	120	
19SAFNP321NPT	32 x 1"	32	1" NPT	3	50	89	47	13	16.8	41	
19SAFNP50112NPT	50 x 1 ½"	50	1 ½" NPT	4.6	70	110	62	15	17.3	55	
19SAFNP502NPT (*)	50 x 2"	50	2" NPT	4.6	84	115	62	20	17.7	65	
19SAFNP63112NPT (*)	63 x 1 ½"	63	1 ½" NPT	5.8	70	118	69	15	17.3	55	
19SAFNP632NPT	63 x 2"	63	2" NPT	5.8	84	122	69	20	17.7	65	
19SAFNP903NPT	90 x 3"	90	3" NPT	8.2	119	153	87	24	25.8	95	
19SAFNP1103NPT	110 x 3"	110	3" NPT	10	125	170	95	24	25.8	95	
19SAFNP1104NPT	110 x 4"	110	4" NPT	10	152	165	82	31	27.8	120	

(\*) available upon request - disponible sur demande - disponible a pedido - verfügbar auf Anfrage - disponível sob encomenda - disponibile su richiesta



ADAPTATEUR SIMPLE PARI EZ-FIT NIQUELÉ  
 ADAPTADOR SIMPLE PARED EZ-FIT NIQUELADO  
 EINWANDIGER ADAPTER EZ-FIT, VERNICKELT  
 ADAPTADOR DE PAREDE SIMPLES EZ-FIT NIQUELADO  
 ADATTATORE SINGOLA PARETE EZ-FIT NICHELATO

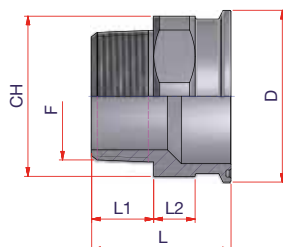


## ADAPTER EZ-FIT NICKEL PLATED (SAEFNP)

Code	ø	Dn	F	S	D	L	L1	L2	Notes
19SAEFNP50	50	50	EZ 2"	4.6	84	107	62	13	
19SAEFNP63	63	63	EZ 2"	5.8	84	113	69	13	
19SAEFNP90	90	90	EZ 3"	8.2	119	146	87	19	



# SINGLE WALL SYSTEM

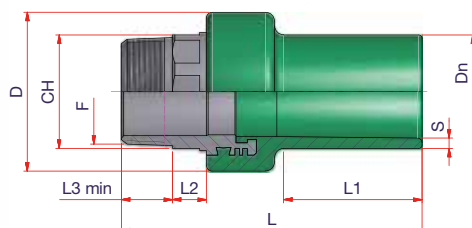


ADAPTATEUR 2" EZ-FIT X 1 1/2" BSP INOX (AISI 304)  
 ADAPTADOR 2" EZ-FIT X 1 1/2" BSP INOX (AISI 304)  
 GEWINDEÜBERGANG 2" EZ-FIT X 1 1/2" BSP AUS ROSTFREIEM STAHL (AISI 304)  
 ADAPTADOR 2" EZ-FIT X 1 1/2" BSP INOX (AISI 304)  
 NIPPLIO 2" EZ-FIT X 1 1/2" BSP INOX (AISI 304)



## ADAPTER MALE 2" EZ-FIT X 1 1/2" BSP STAINLESS STEEL - AISI 304 (SAEB)

Code	ø	D	F	L	L1	L2	CH	Notes
19SAEB2112	2 x 1 1/2"	EZ 2"	1 1/2" UNI EN 10226-1	50,5	22,5	15	58	



ADAPTATEUR MÂLE SIMPLE PAREI FILÉT INOX (AISI 304)  
 ADAPTADOR MACHO SIMPLE PARED ROSCA INOX (AISI 304)  
 EINWANDIGER ADAPTER MIT AUSSERGEWINDE AUS ROSTFREIEM STAHL (AISI 304)  
 ADAPTADOR MACHO DE PAREDE SIMPLES, ROSCA INOX (AISI 304)  
 ADATTATORE MASCHIO SINGOLA PARETE CON INSERTO INOX (AISI 304)

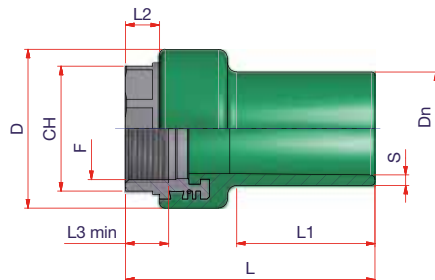
## ADAPTER MALE STAINLESS STEEL - AISI 304 (SAM\_SS)

Code	ø	Dn	F	S	D	L	L1	L2	L3 min	CH	Notes
19SAM321SS	32 x 1"	32	1"	3	50	110	48	14	16.8	34	
19SAM50112SS	50 x 1 1/2"	50	1 1/2"	4.6	70	133	62	14	19.1	50	
19SAM63112SS	63 x 1 1/2"	63	1 1/2"	5.8	70	140	171	14	19.1	50	
19SAM632SS	63 x 2"	63	2"	5.8	83	147	69	18	23.4	60	
19SAM903SS	90 x 3"	90	3"	8.2	118	181	87	23	29.8	90	
19SAM1104SS	110 x 4"	110	4"	10	152	203	82	31	35.8	115	

for special applications (Adblue) / also available with NPT thread - pour applications spéciales (Adblue) / disponibles aussi avec filet NPT - para aplicaciones especiales (Adblue) / disponibles también con rosca NPT - für Spezialanwendungen (Adblue) / verfügbar auch mit NPT-Gewinde - para aplicações especiais (Adblue) / disponíveis também com rosca NPT - per applicazioni speciali (Adblue) / disponibili anche con filettatura NPT




# SINGLE WALL SYSTEM

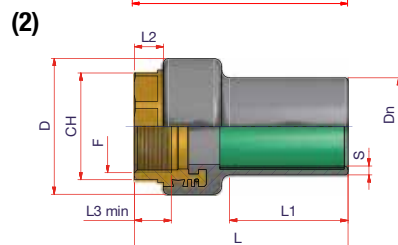
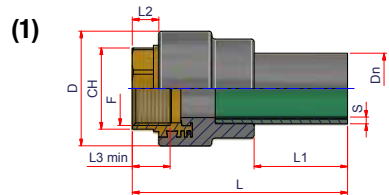


ADAPTATEUR FEMELLE SIMPLE PAROI FILÉT INOX (AISI 304)  
 ADAPTADOR HEMBRA SIMPLE PARED ROSCA INOX (AISI 304)  
 EINWANDIGER ADAPTER MIT INNENGEWINDE AUS ROSTFREIEM STAHL (AISI 304)  
 ADAPTADOR FÊMEA DE PAREDE SIMPLES, ROSCA INOX (AISI 304)  
 ADATTATORE FEMMINA SINGOLA PARETE CON INSERTO INOX (AISI 304)

## ADAPTER FEMALE STAINLESS STEEL - AISI 304 (SAF\_SS)

Code	ø	Dn	F	S	D	L	L1	L2	L3 min	CH	Notes
19SAF321SS	32 x 1"	32	1"	3	50	91	48	15	19	38	
19SAF50112SS	50 x 1 1/2"	50	1 1/2"	4.6	70	110	62	15	19	55	
19SAF502SS	50 x 2"	50	2"	4.6	84	115	62	20	23.7	65	
19SAF63112SS	63 x 1 1/2"	63	1 1/2"	5.8	71	118	69	15	19	55	
19SAF632SS	63 x 2"	63	2"	5.8	84	122	69	20	23.7	65	
19SAF903SS	90 x 3"	90	3"	8.2	119	153	87	24	33.3	95	
19SAF1104SS	110 x 4"	110	4"	10	152	166	82	31	39.3	120	
19SAF321SSNPT	32 x 1"	32	1"	3	50	91	48	15	19	38	 NPT thread/ filet NPT/ rosca NPT/ NPT-Gewinde/ rosca NPT/ filettatura NPT
19SAF50112SSNPT	50 x 1 1/2"	50	1 1/2" NPT	4.6	70	110	62	15	17.3	55	
19SAF502SSNPT	50 x 2"	50	2" NPT	4.6	84	115	62	20	17.7	65	
19SAF63112SSNPT	63 x 1 1/2"	63	1 1/2" NPT	5.8	70	118	69	15	17.3	55	
19SAF632SSNPT	63 x 2"	63	2" NPT	5.8	84	122	69	20	17.7	65	
19SAF903SSNPT	90 x 3"	90	3" NPT	8.2	119	153	87	24	25.8	95	
19SAF1104SSNPT	110 x 4"	110	4" NPT	10	152	166	82	31	27.8	120	

for special applications (Adblue) - pour applications spéciales (Adblue) - para aplicaciones especiales (Adblue) - für Spezialanwendungen (Adblue) - para aplicações especiais (Adblue) - per applicazioni speciali (Adblue)



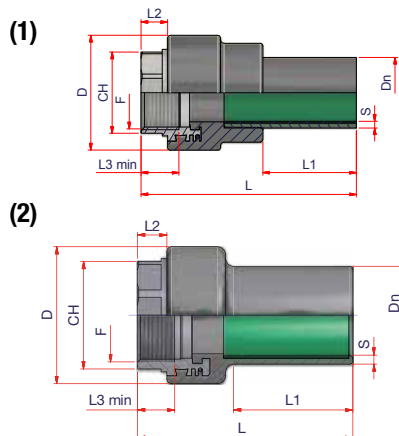
ADAPTATEUR FEMELLE AVEC COUCHE DE PROTECTION  
 ADAPTADOR HEMBRA CON CAPA DE PROTECCIÓN  
 ADAPTER MIT INNENGEWINDE MIT SCHUTZSCHICHT  
 ADAPTADOR FÊMEA COM REVESTIMENTO INTERNO DE PROTECÇÃO  
 ADATTATORE FEMMINA CON STRATO PROTETTIVO

## ADAPTER FEMALE WITH INNER PROTECTIVE LINER (SAFO)

Code	ø	Dn	F	S	D	L	L1	L2	L3 min	CH	Notes
19SAFO321 <sup>(1)</sup>	32 x 1"	32	1"	3.5	54	115	50	13	21	38	
19SAFO40114 <sup>(1)</sup>	40 x 1 1/4"	40	1 1/4"	4.1	65	122	53	15	21.4	46	
19SAFO50112 <sup>(2)</sup>	50 x 1 1/2"	50	1 1/2"	4.6	70	110	62	15	19	55	
19SAFO632 <sup>(2)</sup>	63 x 2"	63	2"	5.8	84	122	69	20	23.7	65	



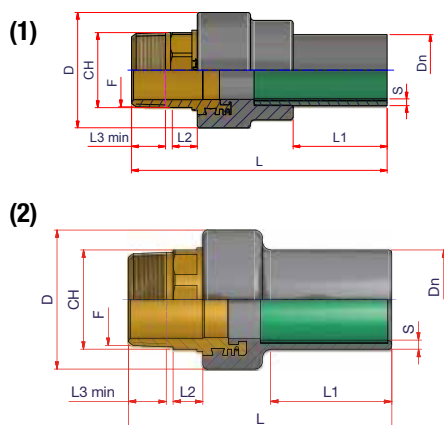
# SINGLE WALL SYSTEM



ADAPTATEUR FEMELLE NICKELÉ AVEC COUCHE DE PROTECTION  
 ADAPTADOR HEMBRA NIQUELADO CON CAPA DE PROTECCIÓN  
 ADAPTER MIT INNENGEWINDE MIT SCHUTZSCHICHT, VERNICKELT  
 ADAPTADOR FÊMEA NIQUELADO COM REVESTIMENTO INTERNO DE PROTECÇÃO  
 ADATTATORE FEMMINA NICHELATO CON STRATO PROTETTIVO

## ADAPTER FEMALE NICKEL PLATED WITH INNER PROTECTIVE LINER (SAFONP)

Code	ø	Dn	F	S	D	L	L1	L2	L3 min	CH	Notes
19SAFONP321 <sup>(1)</sup>	32 x 1"	32	1"	3.5	54	115	50	13	21	38	
19SAFONP40114 <sup>(1)</sup>	40 x 1 1/4"	40	1 1/4"	4.1	65	122	53	15	21.4	46	
19SAFONP50112 <sup>(2)</sup>	50 x 1 1/2"	50	1 1/2"	4.6	70	110	62	15	19	55	
19SAFONP632 <sup>(2)</sup>	63 x 2"	63	2"	5.8	84	122	69	20	23.7	65	



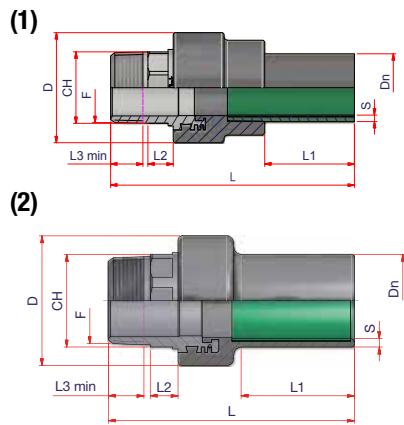
ADAPTATEUR MÂLE AVEC COUCHE DE PROTECTION  
 ADAPTADOR MACHO CON CAPA DE PROTECCIÓN  
 ADAPTER MIT AUSSENGEWINDE MIT SCHUTZSCHICHT  
 ADAPTADOR MACHO COM REVESTIMENTO INTERNO DE PROTECÇÃO  
 ADATTATORE MASCHIO CON STRATO PROTETTIVO

## ADAPTER MALE WITH INNER PROTECTIVE LINER (SAMO)

Code	ø	Dn	F	S	D	L	L1	L2	L3 min	CH	Notes
19SAM0321 <sup>(1)</sup>	32 x 1"	32	1"	3.5	54	134	50	14	18	34	
19SAM040114 <sup>(1)</sup>	40 x 1 1/4"	40	1 1/4"	4.1	65	144	53	15	19.1	42	
19SAM050112 <sup>(2)</sup>	50 x 1 1/2"	50	1 1/2"	4.6	70	133	62	14	19.1	50	
19SAM0632 <sup>(2)</sup>	63 x 2"	63	2"	5.8	83	147	69	18	23.4	60	
19SAM0903 <sup>(2)</sup>	90 x 3"	90	3"	8.2	118	183	87	23	29.8	90	



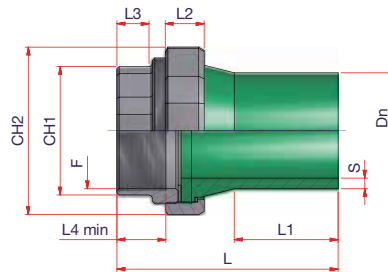
# SINGLE WALL SYSTEM



ADAPTATEUR MÂLE NICKELÉ AVEC COUCHE DE PROTECTION  
 ADAPTADOR MACHO NIQUELADO CON CAPA DE PROTECCIÓN  
 VERNICKELTER ÜBERGANGSADAPTER MIT AUSSENGEWINDE MIT SCHUTZSCHICHT  
 ADAPTADOR MACHO NIQUELADO COM REVESTIMENTO INTERNO DE PROTECÇÃO  
 ADATTATORE MASCHIO NICHELATO CON STRATO PROTETTIVO


## ADAPTER MALE NICKEL PLATED WITH INNER PROTECTIVE LINER (SAMONP)

Code	ø	Dn	F	S	D	L	L1	L2	L3 min	CH	Notes
19SAMONP321 <sup>(1)</sup>	32 x 1"	32	1"	3.5	54	134	50	14	18	34	
19SAMONP40114 <sup>(1)</sup>	40 x 1 1/4"	40	1 1/4"	4.1	65	144	53	15	19.1	42	
19SAMONP50112 <sup>(2)</sup>	50 x 1 1/2"	50	1 1/2"	4.6	70	133	62	14	19.1	50	
19SAMONP632 <sup>(2)</sup>	63 x 2"	63	2"	5.8	84	147	69	18	23.4	60	



RACCORD UNION SIMPLE PARI EN TROIS PIÈCES - GALVANISÉ  
 CONEXIÓN UNIÓN SIMPLE PARED DE TRES PIEZAS - GALVANIZADO  
 EINWANDIGER DREITEILIGER ÜBERGANGSADAPTER - VERZINKT  
 UNIÃO TRÊS PEÇAS DE PAREDE SIMPLES - GALVANIZADA  
 GIUNTO A TRE PEZZI SINGOLA PARETE - GALVANIZZATO

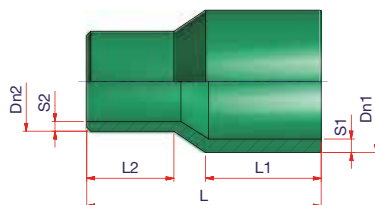
## UNION THREE-PIECE - GALVANISED (SRCPG)

Code	ø	Dn	F	S	L1	L2	L3	L4 min	L	CH1	CH2	Notes
19SRCPG321	32 x 1"	32	1"	3	45	22	16	21	107	38	55	BSP thread/ filet BSP/ rosca BSP/ BSP-Gewinde/ rosca BSP/ filettatura BSP
19SRCPG50112	50 x 1 1/2"	50	1 1/2"	4.6	66.5	25	20	19	132	53	73	
19SRCPG632	63 x 2"	63	2"	5.8	75	27	24	23.7	157	65	89	
19SRCPG903	90 x 3"	90	3"	8.2	100	31	30	33.3	203	95	127	 NPT thread/ filet NPT/ rosca NPT/NPT-Gewinde/ rosca NPT/filettatura NPT
19SRCPG50112NPT	50 x 1 1/2"	50	1 1/2"	4.6	66.5	25	20	17.3	132	53	73	
19SRCPG632NPT	63 x 2"	63	2"	5.8	75	27	24	17.7	157	65	89	
19SRCPG903NPT	90 x 3"	90	3"	8.2	100	31	30	25.8	203	95	127	





# SINGLE WALL SYSTEM



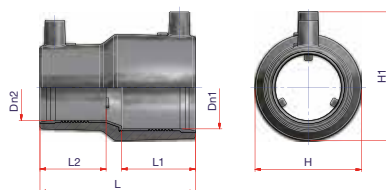
RÉDUCTION (TERMINAISON MÂLE X TERMINAISON MÂLE)  
 REDUCCIÓ (ESPIGA MACHO X ESPIGA MACHO)  
 REDUZIERSTÜCK (STUTZEN X STUTZEN)  
 REDUÇÃO (ESPIGÃO MACHO X ESPIGÃO MACHO)  
 RIDUZIONE (CODOLO MASCHIO X CODOLO MASCHIO)

## CONCENTRIC REDUCER - SPIGOT X SPIGOT (SR)

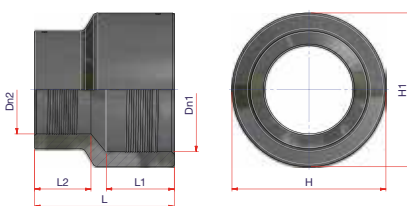
Code	ø	Dn1	Dn2	S1	S2	L1	L2	L	Notes
19SR5032	50 x 32	50	32	4.6	3	56	40	113	
19SR6350	63 x 50	63	50	5.8	4.6	60	53	139	
19SR9050	90 x 50	90	50	8.2	4.6	71	57	150	
19SR9063	90 x 63	90	63	8.2	5.8	72	56	150	
19SR11063	110 x 63	110	63	10	5.8	82	63	170	
19SR11090	110 x 90	110	90	10	8.2	78	69	170	
19SR16090	160 x 90	160	90	14.6	8.2	106	90	225	
19SR160110	160 x 110	160	110	14.6	10	105	93	226	



(1)



(2)



RÉDUCTION ELECTROSOUISIBLE  
 REDUCCIÓ ELECTROSOLDABLE  
 ELEKTROSCHWEISSBARES REDUZIERSTÜCK  
 REDUÇÃO ELECTROSOLDÁVEL  
 RIDUZIONE ELETTRISALDABILE

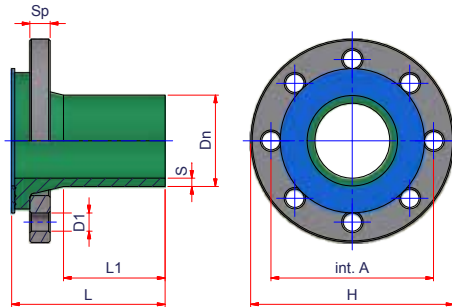
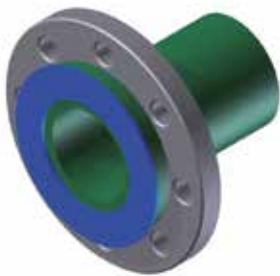
## CONCENTRIC REDUCER - ELECTROFUSION (SRDEL)

Code	ø	Dn1	Dn2	L1	L2	L	H1	H	Notes
19SRDEL4032 <sup>(1)</sup>	40 x 32	40	32	47	51	95	74	55	
19SRDEL6350 <sup>(1)</sup>	63 x 50	63	50	57	51	120	100	82	
19SRDEL7563 <sup>(1)</sup>	75 x 63	75	63	70	63	157	113	97	
19SRDEL9063 <sup>(1)</sup>	90 x 63	90	63	73	65	153	130	112	
19SRDEL11063 <sup>(1)</sup>	110 x 63	110	63	65	75	164	150	136	
19SRDEL11090 <sup>(1)</sup>	110 x 90	110	90	69	80	162	151	136	
19SRDEL160125 <sup>(1)</sup>	160 x 125	160	125	76	73	179	201	186	
19SRDEL225160 <sup>(2) (*)</sup>	225 x 160	225	160	125	103	255	281	281	
19SRDEL225160TP <sup>(2) (*)</sup> •	225 x 160	225	160	125	103	255	281	281	

(\*) available upon request - disponible sur demande - disponible a pedido - verfügbar auf Anfrage - disponível sob encomenda - disponibile su richiesta  
 • with test port - avec prise de test - con válvula de prueba - mit Prüfanschluss - com tomada para teste - con valvola di prova



# SINGLE WALL SYSTEM

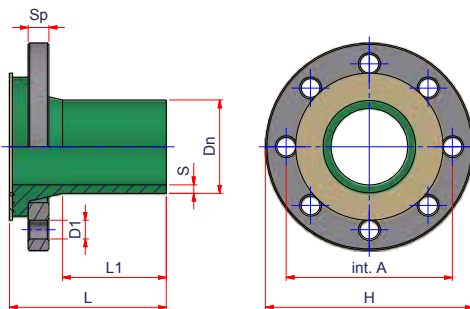
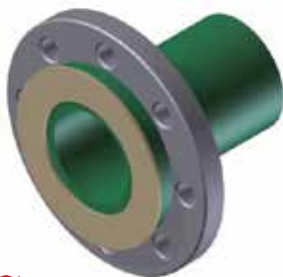


KIT BRIDE  
KIT BRIDA  
FLANSCH-KIT  
KIT FLANGE  
KIT FLANGIA

## LOOSE FLANGE - KIT (SFLAK)

Code	ø	Dn	S	L	L1	Sp	H	Int. A	D1	Holes (no.)	Notes
19SFLAK32	32	32	3	78	45	14	115	85	14	4	
19SFLAK40	40	40	3,7	95	63	18	140	100	18	4	
19SFLAK50	50	50	4,6	96	65	18	150	110	18	4	
19SFLAK63	63	63	5,8	116	75	18	165	125	18	4	
19SFLAK90	90	90	8,2	154,5	100	18	200	160	18	8	
19SFLAK110	110	110	10	150	98,5	18	220	180	18	8	
19SFLAK160	160	160	14,6	180	105	22	285	240	22	8	

bolts, nuts and washers not included - boulons, écrous et plaquettes non inclus - pernos, arandelas y tuercas no incluidos - ohne Bolzen, Muttern und Scheiben - parafusos, porcas e arruelas não incluídos - dadi, bulloni e rondelle non inclusi



KIT BRIDE  
KIT BRIDA  
FLANSCH-KIT  
KIT FLANGE  
KIT FLANGIA



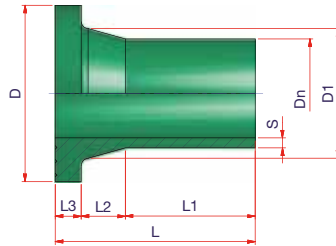
## LOOSE FLANGE - KIT (SFLAKA)

Code	ø	Dn	S	L	L1	Sp	H	Int. A	D1	Holes (no.)	Notes
19SFLAKA50	50	50	4,6	96	65	12	127	98,4	15,9	4	
19SFLAKA63	63	63	5,8	116	75	12	152,4	120,6	19	4	
19SFLAKA90	90	90	8,2	154,5	100	13	190,5	152,4	19	4	
19SFLAKA110	110	110	10	150	98,5	13	228,6	190,5	19	8	
19SFLAKA160	160	160	14,6	180	105	14	279,4	241,2	22,2	8	

bolts, nuts and washers not included - boulons, écrous et plaquettes non inclus - pernos, arandelas y tuercas no incluidos - ohne Bolzen, Muttern und Scheiben - parafusos, porcas e arruelas não incluídos - dadi, bulloni e rondelle non inclusi



# SINGLE WALL SYSTEM



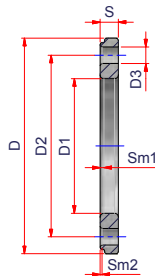
PIÈCES DE RECHANGE - COLLET  
 REPUESTOS - CASQUILLO  
 ERSATZTEILE - STUTZEN  
 PEÇAS DE REPOSIÇÃO - COLARINHO  
 PARTI DI RICAMBIO - CARTELLA

## LOOSE FLANGE - SPARE PARTS - STUB END (SCART)

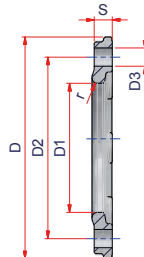
Code	ø	Dn	D1	D	S	L	L1	L2	L3	Notes
19SCART32	32	32	40	68	3	78	45	23	10	
19SCART40	40	40	50	78	3.7	95	63	21	11	
19SCART50	50	50	61	88	4.6	96	65	19	12	
19SCART63	63	63	75	102	5.8	116	75	26	14	
19SCART90	90	90	105	138	8.2	154.5	100	37.5	17	
19SCART110	110	110	125	158	10	150	98.5	33.5	18	
19SCART160	160	160	175	212	14.6	180	105	50	25	



(1)



(2)



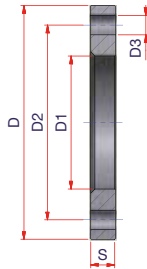
PIÈCES DE RECHANGE - BRIDE  
 REPUESTOS - BRIDA  
 ERSATZTEILE - FLANSCH  
 PEÇAS DE REPOSIÇÃO - FLANGE  
 PARTI DI RICAMBIO - FLANGIA

## LOOSE FLANGE - SPARE PARTS - FLANGE (FLAAL)

Code	ø	Pn	Dn (PE)	Dn	D	S	D1	r	Sm1	Sm2	D2	D3	Holes (no.)	Screws (type)	Notes
00FLAAL032 <sup>(1)</sup>	32	16	32	25	115	16	42	-	1.5x45°	1x45°	85	14	4	M12	
00FLAAL040 <sup>(1)</sup>	40	16	40	32	140	18	51	-	1.5x45°	2x45°	00	18	4	M16	
00FLAAL050 <sup>(1)</sup>	50	16	50	40	150	18	62	-	1.5x45°	2x45°	110	18	4	M16	
00FLAAL063 <sup>(2)</sup>	63	16	63	50	165	18	78	4	-	-	125	18	4	M16	UNI-DIN flange brida UNI-DIN
00FLAAL090 <sup>(2)</sup>	90	16	90	80	200	20	108	5	-	-	160	18	8	M16	UNI-DIN Flansch flange UNI-DIN
00FLAAL110 <sup>(2)</sup>	110	16	110	100	220	20	128	5	-	-	180	18	8	M16	flangia UNI-DIN
00FLAAL160 <sup>(2)</sup>	160	16	160	150	285	22	178	5	-	-	240	22	8	M20	



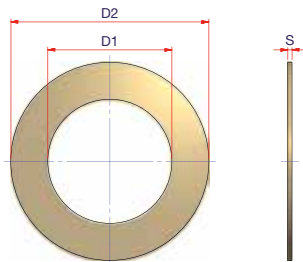
## SINGLE WALL SYSTEM



PIÈCES DE RECHANGE - BRIDE  
 REPUESTOS - BRIDA  
 ERSATZTEILE - FLANSCH  
 PEÇAS DE REPOSIÇÃO - FLANGE  
 PARTI DI RICAMBIO - FLANGIA

### LOOSE FLANGE - SPARE PARTS - FLANGE ANSI 150 (SFLAA)

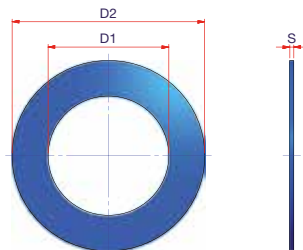
Code	ø	Pn	Dn (PE)	Dn	D	S	D1	D2	D3	Holes (no.)	Screws (type)	Notes
19SFLAA50	50	16	50	40	127	12	62	98.4	15.9	4	M16	ANSI 150 flange bride ANSI 150 brida ANSI 150 ANSI 150 Flansch flange ANSI 150 flangia ANSI 150
19SFLAA63	63	16	63	50	152.4	12	78	120.6	19	4	M16	
19SFLAA90	90	16	90	80	190.5	13	109	152.4	19	4	M16	
19SFLAA110	110	16	110	100	228.6	13	130	190.5	19	8	M16	
19SFLAA160	160	16	160	150	279.4	14	180	241.2	22.2	8	M20	



PIÈCES DE RECHANGE - JOINT CONFORME UL 971  
 REPUESTOS - JUNTA EN CONFORMIDAD CON UL 971  
 ERSATZTEILE - DICHTUNG MIT ZERTIFIKAT UL 971  
 PEÇAS DE REPOSIÇÃO - JUNTA EM CONFORMIDADE COM UL 971  
 PARTI DI RICAMBIO - GUARNIZIONE IN CONFORMITÀ ALLA NORMA UL 971

### UL 971 LISTED LOOSE FLANGE - SPARE PARTS - GASKET (SGUA)

Code	ø	D1	D2	S	Notes
39SGUA50	50	45	92	3	
39SGUA63	63	60	107	3	
39SGUA90	90	89	142	3	
39SGUA110	110	110	162	3	
39SGUA160	160	134	212	4	



PIÈCES DE RECHANGE - JOINT  
 REPUESTOS - JUNTA  
 ERSATZTEILE - DICHTUNG  
 PEÇAS DE REPOSIÇÃO - JUNTA  
 PARTI DI RICAMBIO - GUARNIZIONE

### LOOSE FLANGE - SPARE PARTS - GASKET (SGUAB)

Code	ø	D1	D2	S	Notes
39SGUAB32	32	30	71	3	
39SGUAB50	50	45	92	3	
39SGUAB63	63	60	107	3	
39SGUAB90	90	89	142	3	
39SGUAB110	110	110	162	3	
39SGUAB160	160	134	212	4	



## SINGLE WALL SYSTEM



KIT BRIDE FEMELLE TARAUDÉE (KIT BRIDE + BRIDE FIXE TARAUDÉE + BOULONS)

KIT BRIDA HEMBRA ROSCADA (KIT BRIDA + BRIDA FIJA ROSCADA + PERNOS)

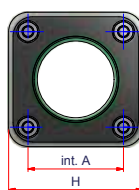
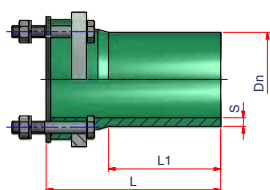
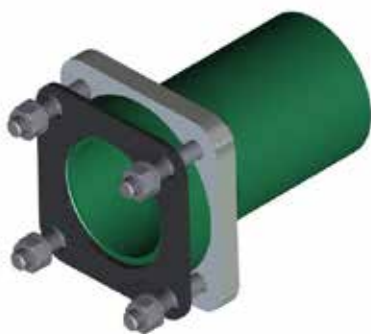
FLANSCH MIT INNENGEWINDE (FLANSCH-KIT + FESTER GEWINDEFLANSCH + BOLZEN)

KIT FLANGE ROSCA FÊMEA (KIT FLANGE + FLANGE FIXO ROSCADO + PARAFUSOS)

KIT FLANGIA FEMMINA FILETTATA (KIT FLANGIA + FLANGIA FISSA FILETTATA + BULLONI)

### FEMALE THREADED FLANGE KIT - FLANGE KIT + FIXED THREADED FLANGE + BOLTS (SFFK)

Code	ø	Notes
19SFFK50112	50 x 1 ½"	UNI-DIN flange bride UNI-DIN brida UNI-DIN UNI-DIN Flansch flange UNI-DIN flangia UNI-DIN
19SFFK632	63 x 2"	
19SFFK903	90 x 3"	
19SFFK1104	110 x 4"	



KIT BRIDE CARRÉE

KIT BRIDA CUADRADA

FLANSCH-KIT - VIERECKIGER FLANSCH

KIT COLARINHO / FLANGE QUADRADA

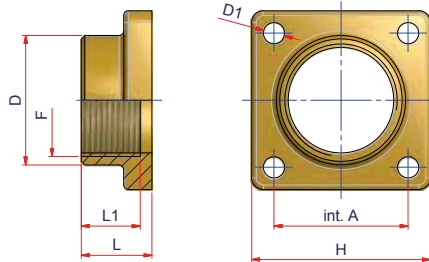
KIT FLANGIA QUADRA

### SQUARE FLANGE KIT (SAFFQI)

Code	ø	Dn	S	L	L1	H	Int. A	Notes
19SAFFQI50	50	50	4.6	100	67	76	57	Viton gasket/joint en Viton/junta de Viton/Viton-Dichtung/junta em Viton/guarnizione in Viton
19SAFFQI63	60	63	5.8	117	117	90	64	
19SAFFQI90	90	90	8.2	155	100	114	89	
19SAFFQI110	110	110	10	155	100	145	114	



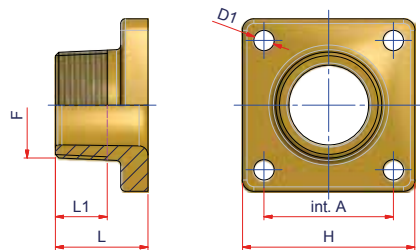
# SINGLE WALL SYSTEM



CONTRE-BRIDE FEMELLE  
 CONTRABRIDA HEMBRA  
 GEGENFLANSCH MIT INNENGEWINDE  
 CONTRAFLANGE FÊMEA  
 CONTROFLANGIA FEMMINA

## COUNTER FLANGE FEMALE (SAQF)

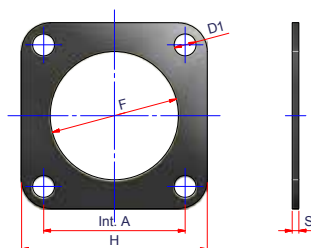
Code	ø	F	D	L	L1	H	Int. A	D1	Notes
19SAQF112	50 x 1 1/2"	1 1/2"	58	25	20	76	57	9	
19SAQF2	63 x 2"	2"	70	30	25	83	64	9	F BSP thread/filet F BSP/rosca H BSP/ BSP-Innengewinde/rosca H BSP/ filettatura F BSP
19SAQF3	90 x 3"	3"	100	35	30	114	89	11	
19SAQF4	110 x 4"	4"	127	45	40	142	114	13	



CONTRE-BRIDE MÂLE  
 CONTRABRIDA MACHO  
 GEGENFLANSCH MIT AUSSENGEWINDE  
 CONTRAFLANGE MACHO  
 CONTROFLANGIA MASCHIO

## COUNTER FLANGE MALE (SAQM)

Code	ø	F	L	L1	H	Int. A	D1	Notes
19SAQM112	50 x 1 1/2"	1 1/2"	40	20	76	57	9	
19SAQM2	63 x 2"	2"	45	25	83	64	9	M BSP thread/filet M BSP/rosca M BSP/ BSP-Aussengewinde/rosca M BSP/ filettatura M BSP
19SAQM3	90 x 3"	3"	50	30	114	89	11	
19SAQM4	110 x 4"	4"	60	40	142	114	13	



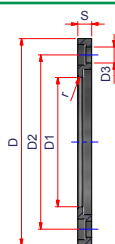
JOINT EN VITON CARRÉ POUR SAQF-SAQM  
 JUNTA DE VITON CUADRADA PARA SAQF-SAQM  
 VIERECKIGE VITON-DICHTUNG FÜR SAQF-SAQM  
 JUNTA QUADRADA EM VITON PARA SAQF-SAQM  
 GUARNIZIONE QUADRA IN VITON PER SAQF-SAQM

## VITON SQUARE GASKET FOR SAQF - SAQM (SGUAQV)

Code	ø	F	H	Int. A	D1	S	Notes
39SGUAQV112	50	45	76	57	10	3	
39SGUAQV2	60	58	84	64	10	3	Viton gasket/joint en Viton/junta de Viton/ Viton-Dichtung/junta em Viton/ guarnizione in Viton
39SGUAQV3	90	86	114	89	12	3	
39SGUAQV4	110	111	145	114	14	3	



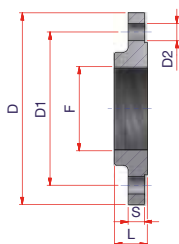
## SINGLE WALL SYSTEM



BRIDE EN FONTE RECOUVERTE DE POLYPROPYLENE  
BRIDA DE FUNDICIÓN RECUBIERTA DE POLIPROPILENO  
MIT POLYPROPYLEN BESCHICHTETER GUSSEISENFLANSCH  
FLANGE EM FERRO FUNDIDO REVESTIDO COM POLIPROPILENO  
FLANGIA IN GHISA RICOPERTA DI POLIPROPILENE

### POLYPROPYLENE COATED CAST IRON FLANGE (FLAACPP)

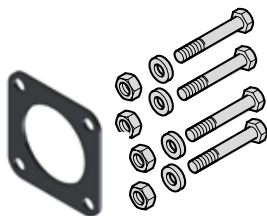
Code	ø	Pn	dn(PE)	Dn	D	D1	D2	S	r	D3	Holes (no.)	Screws (type)	Notes
00FLAACPP032	32	10-16	32	25	122	42	85	17	3	14	4	M12	
00FLAACPP050	50	10-16	50	40	156	62	110	19	3	18	4	M16	
00FLAACPP063	63	10-16	63	50	171	78	125	20	3	18	4	M16	
00FLAACPP090	90	10-16	90	80	206	108	160	21	3	18	8	M16	
00FLAACPP110	110	10-16	110	100	226	128	180	22	3	18	8	M16	
00FLAACPP160	160	10-16	160	150	296	178	240	28	3	22	8	M20	



BRIDE FEMELLE EN1092  
BRIDA ROSCADA HEMBRA EN1092  
FLANSCH MIT INNENGEWINDE EN1092  
FLANGE ROSCA FÊMEA EN1092  
FLANGIA FEMMINA EN1092

### FEMALE FLANGE EN1092 (FLAFF)

Code	ø	Pn	F	Dn	D	D1	D2	S	L	Holes (no.)	Screws (type)	Notes
00FLAFF112	40 x 1 1/2"	16	1 1/2"	40	150	110	18	13	26	4	M16	
00FLAFF2	50 x 2"	16	2"	50	165	125	18	13	28	4	M16	
00FLAFF3	80 x 3"	16	3"	80	200	160	18	17	34	4	M16	UNI EN 1092-1
00FLAFF4	100 x 4"	16	4"	100	220	180	18	17	38	8	M20	



KIT D'ASSEMBLAGE POUR CONTRE-BRIDE SAQF-SAQM  
KIT DE MONTAJE PARA CONTRABRIDA SAQF-SAQM  
MONTAGE-KIT FÜR GEGENFLANSCH SAQF-SAQM  
KIT MONTAGEM PARA CONTRAFLANGE SAQF-SAQM  
KIT DI MONTAGGIO PER CONTROFLANGIA SAQF-SAQM

### ASSEMBLY KIT FOR COUNTER FLANGE SAQF-SAQM (SAQFMKI)

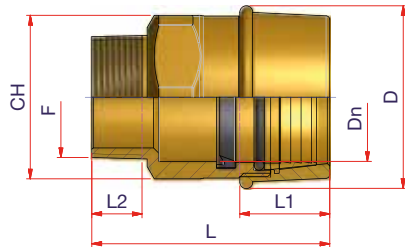
Code	ø	Notes
19SAQFMKI112	50 x 1 1/2"	for/pour/para/für/para/per SAQF112 - SAQM112
19SAQFMKI2	63 x 2"	for/pour/para/für/para/per SAQF2 - SAQM2
19SAQFMKI3	90 x 3"	for/pour/para/für/para/per SAQF3 - SAQM3
19SAQFMKI4	110 x 4"	for/pour/para/für/para/per SAQF4 - SAQM4

Viton gasket/joint en Viton/junta de Viton/Viton-Dichtung/junta em Viton/guarnizione in Viton





# SINGLE WALL SYSTEM

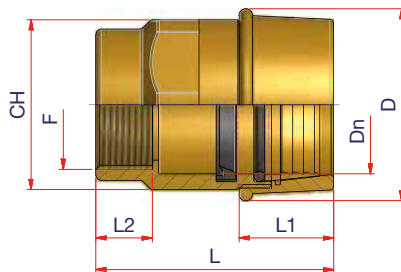


RACCORD À COMPRESSION DE LAITON FILETÉ MÂLE  
CASQUILLO DE COMPRESIÓN DE LATÓN CON ROSCA MACHO  
SCHRAUBSTUTZEN AUS MESSING MIT AUSSENGEWINDE  
ADAPTADOR DE COMPRESSÃO DE LATÃO MACHO  
BOCCHETTONE IN OTTONE FILETTATO MASCHIO

## BRASS ADAPTER MALE - MECHANICAL (SBM)

Code	ø	Dn	F	D	L	L1	L2	CH	Notes
19SBM50112	50 x 1 1/2"	50	1 1/2"	71	91	35	19.1	63	BSP thread filet BSP
19SBM632	63 x 2"	63	2"	88	100	38	23.4	77	rosca BSP BSP-Gewinde
19SBM903	90 x 3"	90	3"	120	128	42	29.8	109	rosca BSP filettatura BSP

NON-APPROVED FITTINGS - RACCORDS SANS CERTIFICATION - ACCESORIOS SIN CERTIFICACIÓN - NICHT ZERTIFIZIERTE FITTINGS - ACESSORIOS NÃO CERTIFICADOS - RACCORDI NON CERTIFICATI



RACCORD À COMPRESSION DE LAITON FILETÉ FEMELLE  
CASQUILLO DE COMPRESIÓN DE LATÓN CON ROSCA HEMBRA  
SCHRAUBSTUTZEN AUS MESSING MIT INNENGEWINDE  
ADAPTADOR DE COMPRESSÃO DE LATÃO FÊMEA  
BOCCHETTONE IN OTTONE FILETTATO FEMMINA

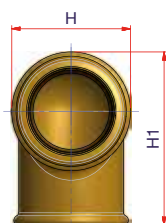
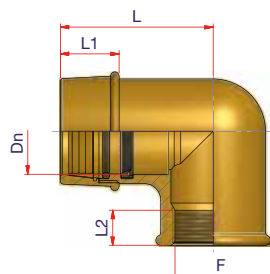
## BRASS ADAPTER FEMALE - MECHANICAL (SBF)

Code	ø	Dn	F	D	L	L1	L2	CH	Notes
19SBF50112	50 x 1 1/2"	50	1 1/2"	71	88	35	19	63	BSP thread filet BSP
19SBF632	63 x 2"	63	2"	88	96	38	23.7	77	rosca BSP BSP-Gewinde
19SBF903	90 x 3"	90	3"	120	120	42	33.3	109	rosca BSP filettatura BSP

NON-APPROVED FITTINGS - RACCORDS SANS CERTIFICATION - ACCESORIOS SIN CERTIFICACIÓN - NICHT ZERTIFIZIERTE FITTINGS - ACESSORIOS NÃO CERTIFICADOS - RACCORDI NON CERTIFICATI



## SINGLE WALL SYSTEM

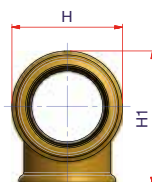
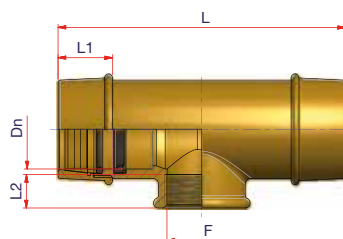


COUDE À 90° À COMPRESSION DE LAITON FILETÉ FEMELLE  
 CODO DE 90° DE COMPRESIÓN DE LATÓN CON ROSCA HEMBRA  
 90°-SCHRAUBSTUTZEN MIT INNENGEWINDE  
 COTOVELO 90° DE COMPRESSÃO DE LATÃO FÊMEA  
 BOCCHETTONE 90° IN OTTONE FILETTATO FEMMINA

### BRASS ELBOW FEMALE 90° - MECHANICAL (SBGF)

Code	ø	Dn	F	L	L1	L2	H	H1	Notes
19SBGF50112	50 x 1 1/2"	50	1 1/2"	70	35	21.4	71	100	BSP thread - filet BSP rosca BSP - BSP-Gewinde
19SBGF632	63 x 2"	63	2"	75	37	23.7	87	113	rosca BSP - filettatura BSP

NON-APPROVED FITTINGS - RACCORDS SANS CERTIFICATION - ACCESORIOS SIN CERTIFICACIÓN - NICHT ZERTIFIZIERTE FITTINGS - ACESSORIOS NÃO CERTIFICADOS - RACCORDI NON CERTIFICATI



TÉ EGAL À COMPRESSION DE LAITON FILETÉ FEMELLE  
 TE DE COMPRESIÓN DE LATÓN CON ROSCA HEMBRA  
 T-SCHRAUBSTUTZEN AUS MESSING MIT INNENGEWINDE  
 TUBO EM T DE COMPRESSÃO DE LATÃO FÊMEA  
 BOCCHETTONE A T IN OTTONE FILETTATO FEMMINA

### BRASS EQUAL TEE FEMALE - MECHANICAL (SBTEF)

Code	ø	Dn	F	L	L1	L2	H	H1	Notes
19SBTEF50112	50 x 1 1/2"	50	1 1/2"	185	35	21.4	72	82	BSP thread - filet BSP rosca BSP - BSP-Gewinde
19SBTEF632	63 x 2"	63	2"	200	38	23.7	88	100	rosca BSP - filettatura BSP

NON-APPROVED FITTINGS - RACCORDS SANS CERTIFICATION - ACCESORIOS SIN CERTIFICACIÓN - NICHT ZERTIFIZIERTE FITTINGS - ACESSORIOS NÃO CERTIFICADOS - RACCORDI NON CERTIFICATI



## DOUBLE WALL SYSTEM



TUYAUTERIE DOUBLE PAROI POUR REFOULEMENT  
EN 141215 - COURONNES/BARRES

TUBERÍA DOBLE PARED PARA LÍNEA DE PRODUCTO  
EN 14125 - ROLLOS/BARRAS

DOPPELWANDIGES ROHRSYSTEM FÜR KRAFTSTOFF  
EN 14125 - ROLLEN/STANGEN

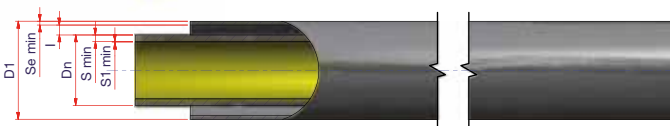
TUBO DE PAREDE DUPLA PARA LINHA DE PRODUTO  
EN 14125 - BOBINAS/BARRAS

TUBO DOPPIA PARETE PER CARBURANTE  
EN 14125 - ROTOLI/BARRE

### EN 14125 DOUBLE WALL PRODUCT PIPE - COILS, STRAIGHT LENGTHS/STICKS (TSMAMD)

Code	ø	Package (m)	Dn	D1	l	S min	S1 min(*)	Se min	Weight kg/m	Notes
19TSMAMD3240R75 (**)	32	75	32	40	1.7	2.4	1	2.4	0.66	coils/couronnes/rollos/Rollen/bobinas/rotoli
19TSMAMD3240B6 (**)	32	75	32	40	1.7	2.4	1	2.4	0.66	straight lengths (sticks)/barres/barras/Stangen/barras/barre
19TSMAMD50R75	50	75	50	63	4	3.7	1	2.5	1.27	coils/couronnes/rollos/Rollen/bobinas/rotoli EN14125 listed
19TSMAMD50B6	50	4x5.8	50	63	4	3.7	1	2.5	1.27	straight lengths (sticks)/barres/barras/Stangen/barras/barre EN14125 listed
19TSMAMD63R75	63	75	63	75	3.2	4.7	1	2.9	1.85	coils/couronnes/rollos/Rollen/bobinas/rotoli EN14125 listed
19TSMAMD63B6	63	3x5.8	63	75	3.2	4.7	1	2.9	1.85	straight lengths (sticks)/barres/barras/Stangen/barras/barre EN14125 listed
19TSMAMD90B6	90	1x5.8	90	125	12.8	6.7	1	4.8	4.08	straight lengths (sticks)/barres/barras/Stangen/barras/barre EN14125 listed
19TSMAMD110125B6	110	1x5.8	110	125	3.2	8.1	1	4.8	5.01	straight lengths (sticks)/barres/barras/Stangen/barras/barre EN14125 listed
19TSMAMD160225B6 (**)	160	1x5.8	160	225	26.3	11.8	1	6.2	12.55	straight lengths (sticks)/barres/barras/Stangen/barras/barre

(\*) DiBt pipe, S1min = 1 mm - (\*) tuyau DiBt, S1min = 1 mm - (\*) tubo DiBt, S1min = 1 mm - (\*) DiBt Rohr, S1min = 1 mm - (\*) tubo DIBT, S1min = 1 mm - (\*) tubo DiBt, S1min = 1 mm  
(\*\*) available upon request - disponible sur demande - disponible a pedido - verfügbar auf Anfrage - disponivel sob encomenda - disponibile su richiesta



TUYAUTERIE DOUBLE PAROI POUR RÉCUPÉRATION DE VAPEURS, EVENT ET DÉPOTAGE -  
PRIMAIRE ET SECONDAIRE CONFORME EN 14125, IP ET KIWA - COURONNES/BARRES

TUBERÍA DOBLE PARED PARA RECUPERACIÓN DE VAPORES, VENTEO, DESCARGAS -  
PRIMARIO Y SECUNDARIO EN CONFORMIDAD CON EN 14125, IP Y KIWA - ROLLOS/  
BARRAS

DOPPELWANDIGES ROHRSYSTEM FÜR GASPENDELUNG, ENTLÜFTUNG UND BEFÜLLUNG  
- MEDIUM- UND MANTEILROHR MIT ZERTIFIKAT EN 14125, IP UND KIWA - ROLLEN/  
STANGEN

TUBO DE PAREDE DUPLA PARA LINHA DE VAPOR, RESPIRO, DESCARGA - PRIMÁRIO E  
SECUNDÁRIO EM CONFORMIDADE COM EN 14125, IP E KIWA - BOBINAS/BARRAS

TUBO DOPPIA PARETE PER RECUPERO VAPORI, LINEE DI EQUILIBRIO E CARICO -  
PRIMARIO E SECONDARIO IN CONFORMITÀ ALLA NORMA EN 14125 E IN ACCORDO CON  
IP E KIWA - ROTOLI/BARRE

### DOUBLE WALL VAPOR / VENT / FILL PIPE - PRIMARY AND SECONDARY EN 14125, IP & KIWA LISTED - COILS, STRAIGHT LENGTHS/STICKS (TSMAUD)

Code	ø	Package (m)	Dn	D1	l	S min	S1 min	Se min	Weight kg/m	Notes
19TSMAUD50B6	50	4x5.8	50	63	4	3.7	0.4	2.5	1.16	straight lengths (sticks)/barres/barras/Stangen/barras/barre
19TSMAUD50R75	50	75	50	63	4	3.7	0.4	2.5	1.16	coils/couronnes/rollos/Rollen/bobinas/rotoli
19TSMAUD63B6	63	3x5.8	63	75	3.2	4.7	0.4	2.9	1.71	straight lengths (sticks)/barres/barras/Stangen/barras/barre
19TSMAUD63R75	63	75	63	75	3.2	4.7	0.4	2.9	1.71	coils/couronnes/rollos/Rollen/bobinas/rotoli
19TSMAUD90B6	90	1x5.8	90	125	12.8	6.7	0.4	4.8	3.87	straight lengths (sticks)/barres/barras/Stangen/barras/barre
19TSMAUD110125B6	110	1x5.8	110	125	3.2	8.1	0.4	4.8	4.76	straight lengths (sticks)/barres/barras/Stangen/barras/barre
19TSMAUD160225B6 (*)	160	1x5.8	160	225	28.3	11.8	0.4	8.6	12.18	straight lengths (sticks)/barres/barras/Stangen/barras/barre

(\*) available upon request - disponible sur demande - disponible a pedido - verfügbar auf Anfrage - disponivel sob encomenda - disponibile su richiesta



## DOUBLE WALL SYSTEM



TUYAUTERIE DOUBLE PAROI POUR REFOULEMENT  
IP ET KIWA - COURONNES/BARRES

TUBERÍA DOBLE PARED PARA LÍNEA DE PRODUCTO  
IP Y KIWA - ROLLOS/BARRAS

DOPPELWANDIGES ROHRSYSTEM FÜR KRAFTSTOFF  
IP UND KIWA - ROLLEN/STANGEN

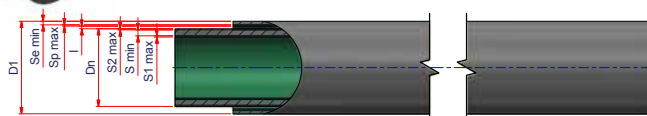
TUBO DE PAREDE DUPLA PARA LINHA DE PRODUTO  
IP E KIWA - BOBINAS/BARRAS

TUBO DOPPIA PARETE PER CARBURANTE  
IP E KIWA - ROTOLI/BARRE

### IP & KIWA DOUBLE WALL PRODUCT PIPE - COILS, STRAIGHT LENGTHS/STICKS (TSMAD)

Code	∅	Package (m)	Dn	D1	l	S min	S1 min	Se min	Weight kg/m	Notes
19TSMAD3240R75 (*)	32	75	32	40	1.7	2.4	1	2.4	0.64	coils/couronnes/rollos/Rollen/bobinas/rotoli KIWA listed
19TSMAD50R75	50	75	50	63	4	3.7	1	2.5	1.23	coils/couronnes/rollos/Rollen/bobinas/rotoli IP & KIWA listed
19TSMAD50B6	50	4x5.8	50	63	4	3.7	1	2.5	1.23	straight lengths (sticks)/barres/barras/Stangen/barras/barre IP & KIWA listed
19TSMAD63R75	63	75	63	75	3.2	4.7	1	2.9	1.78	coils/couronnes/rollos/Rollen/bobinas/rotoli IP & KIWA listed
19TSMAD63B6	63	3x5.8	63	75	3.2	4.7	1	4.8	1.78	straight lengths (sticks)/barres/barras/Stangen/barras/barre IP & KIWA listed
19TSMAD90B6	90	1x5.8	90	125	12.8	6.7	1	4.8	3.95	straight lengths (sticks)/barres/barras/Stangen/barras/barre IP & KIWA listed
19TSMAD110125B6	110	1x5.8	110	125	3.2	8.1	1	4.8	4.87	straight lengths (sticks)/barres/barras/Stangen/barras/barre IP & KIWA listed
19TSMAD160225B6 (*)	160	1x5.8	160	225	28.3	11.8	1	8.6	12.13	straight lengths (sticks)/barres/ barras/Stangen/barras/barre

(\*) available upon request - disponible sur demande - disponible a pedido - verfügbar auf Anfrage - disponível sob encomenda - disponibile su richiesta



TUYAUTERIE DOUBLE PAROI POUR REFOULEMENT CONFORME UL 971 -  
COURONNES/BARRES

TUBERÍA DOBLE PARED PARA LÍNEA DE PRODUCTO EN CONFORMIDAD  
CON UL 971 - ROLLOS/BARRAS

DOPPELWANDIGES ROHRSYSTEM FÜR KRAFTSTOFF - MIT ZERTIFIKAT UL  
971 - ROLLEN/STANGEN

TUBO DE PAREDE DUPLA PARA LINHA DE PRODUTO, EM CONFORMIDADE  
COM UL 971 - BOBINAS/BARRAS

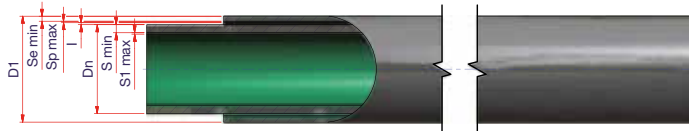
TUBO DOPPIA PARETE PER CARBURANTE IN CONFORMITÀ ALLA NORMA  
UL 971 - ROTOLI/BARRE

### UL 971 LISTED DOUBLE WALL PRODUCT PIPE - COILS, STRAIGHT LENGTHS/STICKS (TSMAXPD)

Code	∅	Package (m)	Dn	D1	l	S min	S1 max	S2 max	Se min	Sp max	Weight kg/m	Notes
19TSMAXPD50R75	50	75	50	63	3.1	3.7	0.5	0.5	2.5	0.5	1.47	coils/couronnes/rollos/ Rollen/bobinas/rotoli
19TSMAXPD50B6	50	4x5.8	50	63	3.1	3.7	0.5	0.5	2.5	0.5	1.47	straight lengths (sticks)/barres/ barras/Stangen/barras/barre
19TSMAXPD63R75	63	75	63	75	2.3	4.7	0.5	0.5	2.9	0.5	2.09	coils/couronnes/rollos/ Rollen/bobinas/rotoli
19TSMAXPD63B6	63	3x5.8	63	75	2.3	4.7	0.5	0.5	2.9	0.5	2.09	straight lengths (sticks)/barres/ barras/Stangen/barras/barre
19TSMAXPD90B6	90	1x5.8	90	125	11.9	6.7	0.5	0.5	4.8	0.5	4.45	straight lengths (sticks)/barres/ barras/Stangen/barras/barre
19TSMAXPD110B6	110	1x5.8	110	125	2.2	8.1	0.5	0.5	4.8	0.5	5.42	straight lengths (sticks)/barres/ barras/Stangen/barras/barre



## DOUBLE WALL SYSTEM



TUYAUTERIE DOUBLE PAROI POUR RÉCUPÉRATION DE VAPEURS  
CONFORME UL 971 - COURONNES/BARRES

TUBERÍA DOBLE PARED PARA RECUPERACIÓN DE VAPORES Y VENTEO EN  
CONFORMIDAD CON UL 971 - ROLLOS/BARRAS

DOPPELWANDIGES ROHRSYSTEM FÜR GASPENDELUNG UND  
ENTLÜFTUNG - MIT ZERTIFIKAT UL 971 - ROLLEN/STANGEN

TUBO DE PAREDE DUPLA PARA LINHA DE VAPOR/RESPIRO, EM  
CONFORMIDADE COM UL 971 - BOBINAS/BARRAS

TUBO DOPPIA PARETE PER PER RECUPERO VAPORI E LINEE DI  
EQUILIBRIO IN CONFORMITÀ ALLA NORMA UL 971 - ROTOLI/BARRE



### UL 971 LISTED DOUBLE WALL VAPOR / VENT PIPE - COILS, STRAIGHT LENGTHS/STICKS (TSMAUXPD)

Code	ø	Package (m)	Dn	D1	l	S min	S max	Se min	Sp max	Weight kg/m	Notes
19TSMAUXPD50R75	50	75	50	63	3.6	3.7	0.5	2.5	0.5	1.28	coils/couronnes/rollos/ Rollen/bobinas/rotoli
19TSMAUXPD50B6	50	4x5.8	50	63	3.6	3.7	0.5	2.5	0.5	1.28	straight lengths (sticks)/barres/ barras/Stangen/barras/barre
19TSMAUXPD63R75	63	75	63	75	2.8	4.7	0.5	2.9	0.5	1.75	coils/couronnes/rollos/ Rollen/bobinas/rotoli
19TSMAUXPD63B6	63	3x5.8	63	75	2.8	4.7	0.5	2.9	0.5	1.75	straight lengths (sticks)/barres/ barras/Stangen/barras/barre
19TSMAUXPD90B6	90	1x5.8	90	125	12.4	6.7	0.5	4.8	0.5	3.97	straight lengths (sticks)/barres/ barras/Stangen/barras/barre
19TSMAUXPD110B6	110	1x5.8	110	125	2.3	8.1	0.5	4.8	0.5	4.82	straight lengths (sticks)/barres/ barras/Stangen/barras/barre

N.B.: Please contact NUPI INDUSTRIE ITALIANE for non-standard lengths and delivery time.

S'il vous plait contactez NUPI INDUSTRIE ITALIANE pour longueurs hors standard et temps de livraison.

Les rogamos que contacten NUPI INDUSTRIE ITALIANE para longitudes no estándar y tiempo de entrega.

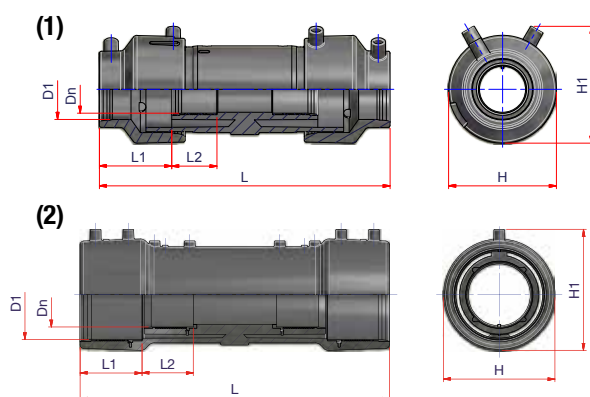
Wegen Längen außerhalb des Standards und den jeweiligen Lieferzeiten wenden Sie sich bitte an NUPI INDUSTRIE ITALIANE.

Para cumprimentos fora do padrão e prazos de entrega favor contactar a NUPI INDUSTRIE ITALIANE.

Contattare NUPI INDUSTRIE ITALIANE per lunghezze fuori standard e relativi tempi di consegna.



## DOUBLE WALL SYSTEM



MANCHON COAXIAL POUR TUYAUTERIE DOUBLE PARI  
ELECTROSOUDABLE

MANGUITO COAXIAL PARA TUBERÍA DOBLE PARED  
ELECTROSOLDABLE

ELEKTROSCHWEISSBARE KOAXIALE MUFFE FÜR  
DOPPELWANDIGES ROHRSYSTEM

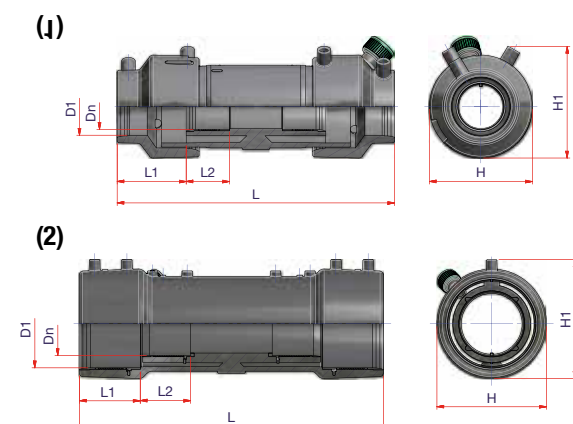
UNIÃO COAXIAL DE PAREDE DUPLA ELECTROSOLDÁVEL

MANICOTTO COASSIALE DOPPIA PARETE  
ELETTROSALDABILE

### COAXIAL COUPLER - ELECTROFUSION (SMEDW)

Code	ø	Dn	D1	L1	L2	L	H1	H	Notes
19SMEDW32 <sup>(1)</sup> •	32	32	40	125	36.5	333	99	81.5	
19SMEDW50 <sup>(1)</sup> •	50	50	63	77	48	309	130	114	
19SMEDW63 <sup>(1)</sup> •	63	63	75	88	54	359	150	135	
19SMEDW90 <sup>(2)</sup>	90	90	125	88	73	440	172	159	

- reducers for primary and secondary pipe included - réductions pour tuyau primaire et secondaire inclus - reducciones para tubo primario y secundario incluidas - mit Reduzierstücken für Medium- und Mantelrohr - reduções para tubo primário e secundário incluidas - riduzioni per tubo primario e secundario incluse



MANCHON COAXIAL POUR TUYAUTERIE DOUBLE PARI  
ELECTROSOUDABLE AVEC PRISE DE TEST

MANGUITO COAXIAL PARA TUBERÍA DOBLE PARED  
ELECTROSOLDABLE CON VÁLVULA DE PRUEBA

ELEKTROSCHWEISSBARE KOAXIALE MUFFE FÜR  
DOPPELWANDIGES ROHRSYSTEM MIT PRÜFANSCHLUSS

UNIÃO COAXIAL DE PAREDE DUPLA ELECTROSOLDÁVEL  
COM TOMADA PARA TESTE

MANICOTTO COASSIALE DOPPIA PARETE  
ELETTROSALDABILE CON VALVOLA DI PROVA PER TEST IN  
PRESSIONE

### COAXIAL COUPLER WITH TEST PORT - ELECTROFUSION (SMEDWTP)

Code	ø	Dn	D1	L1	L2	L	H1	H	Notes
19SMEDWTP50 <sup>(1)</sup> •	50	50	63	77	48	309	130	114	
19SMEDWTP63 <sup>(1)</sup> •	63	63	75	88	54	359	150	135	
19SMEDWTP90 <sup>(2)</sup>	90	90	125	88	73	440	172	159	

- reducers for primary and secondary pipe included - réductions pour tuyau primaire et secondaire inclus - reducciones para tubo primario y secundario incluidas - mit Reduzierstücken für Medium- und Mantelrohr - reduções para tubo primário e secundário incluidas - riduzioni per tubo primario e secundario incluse

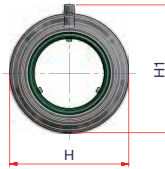
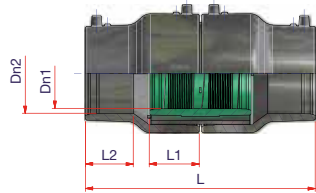




## DOUBLE WALL SYSTEM



(1)



MANCHON COAXIAL POUR TUYAUTERIE DOUBLE PAROI  
ELECTROSODABLE

MANGUITO COAXIAL PARA TUBERÍA DOBLE PARED  
ELECTROSOLDABLE

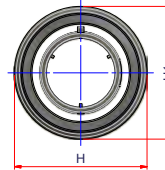
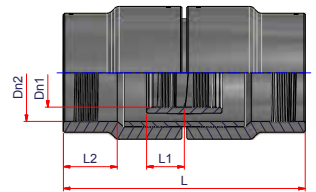
ELEKTROSCHWEISSBARE KOAXIALE MUFFE FÜR  
DOPPELWANDIGES ROHRSYSTEM

UNIÃO COAXIAL DE PAREDE DUPLA ELECTROSOLDÁVEL

MANICOTTO COASSIALE DOPPIA PARETE  
ELETROSALDABILE



(2)



### COAXIAL COUPLER - ELECTROFUSION (SMEDWR)

Code	ø	Dn1	Dn2	L1	L2	L	H1	H	Notes
19SMEDWR110125 <sup>(1)</sup> • (*)	110 x 125	110	125	84	74	361	201	187	single wire/monofilaire/unifilar/Einleitersystem/unifilar/monofilare
19SMEDWR160225 <sup>(2)</sup> (*) (**)	160 x 225	160	225	87.5	125	561	308	308	double wire/bifilaire/bifilar/Doppelleitungssystem/bifilar/bifilare

• reducers for primary and secondary pipe included - réductions pour tuyau primaire et secondaire inclus - reducciones para tubo primario y secundario incluidas - mit Reduzierstücken für Medium- und Mantelrohr - reduções para tubo primário e secundário incluídas - riduzioni per tubo primario e secundario incluse

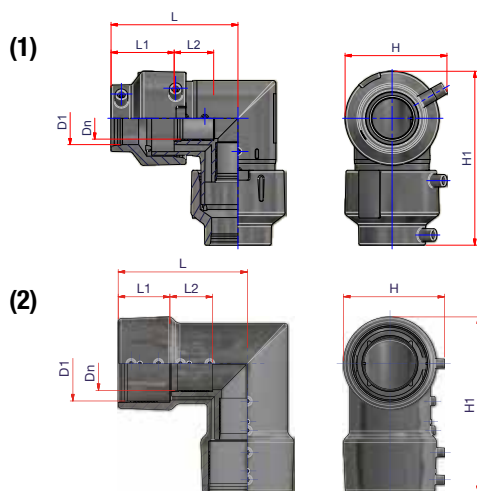
(\*) available upon request - disponible sur demande - disponible a pedido - verfügbar auf Anfrage - disponível sob encomenda - disponibile su richiesta

(\*\*) you can use items SMEN160 + SMES225 for unbound bars - vous pouvez utiliser les articles SMEN160 + SMES225 pour des barres non liées - es posible utilizar los artículos SMEN160 + SMES225 para barras no vinculadas - Sie können SMEN160 + SMES225 für ungebundene Stangen benutzen - é possível usar os artigos SMEN160 + SMES225 para barras não ligadas - è possibile utilizzare gli articoli SMEN160 + SMES225 per barre libere





# DOUBLE WALL SYSTEM



COUDE COAXIAL À 90° POUR TUYAUTERIE DOUBLE PAROI ELECTROSODABLE

CODO COAXIAL DE 90° PARA TUBERÍA DOBLE PARED ELECTROSOLDABLE

ELEKTROSCHWEISSBARER DOPPELWANDIGER KOAXIALER 90°-KRÜMMER

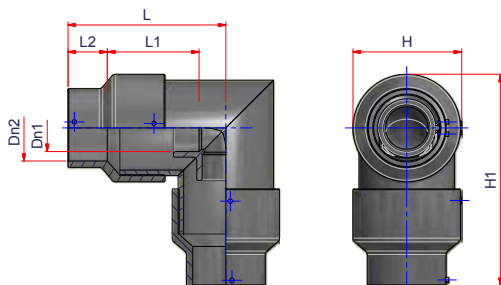
COTOVELO 90° COAXIAL DE PAREDE DUPLA ELECTROSOLDÁVEL

CURVA COASSIALE A 90° DOPPIA PARETE ELETTRISALDABILE

## COAXIAL ELBOW 90° - ELECTROFUSION (SGEDW)

Code	ø	Dn	D1	L1	L2	L	H1	H	Notes
19SGEDW32 <sup>(1)</sup> •	32	32	40	125,5	37	183,5	224,5	102	
19SGEDW50 <sup>(1)</sup> •	50	50	63	77	48	154	211	125	
19SGEDW63 <sup>(1)</sup> •	63	63	75	88	54	179	247	143	
19SGEDW90 <sup>(2)</sup>	90	90	125	88	73	220	299	172	
19SGEDW110 <sup>(1)</sup> •	110	110	125	148	83	290	384	195	

- reducers for primary and secondary pipe included - réductions pour tuyau primaire et secondaire inclus - reducciones para tubo primario y secundario incluidas - mit Reduzierstücken für Medium- und Mantelrohr - reduções para tubo primário e secundário incluidas - riduzioni per tubo primario e secundario incluse



COUDE COAXIAL À 90° POUR TUYAUTERIE DOUBLE PAROI ELECTROSODABLE

CODO COAXIAL DE 90° PARA TUBERÍA DOBLE PARED ELECTROSOLDABLE

ELEKTROSCHWEISSBARER DOPPELWANDIGER KOAXIALER 90°-KRÜMMER

COTOVELO 90° COAXIAL DE PAREDE DUPLA ELECTROSOLDÁVEL

CURVA COASSIALE A 90° DOPPIA PARETE ELETTRISALDABILE

## COAXIAL ELBOW 90° - ELECTROFUSION (SGEDWR)

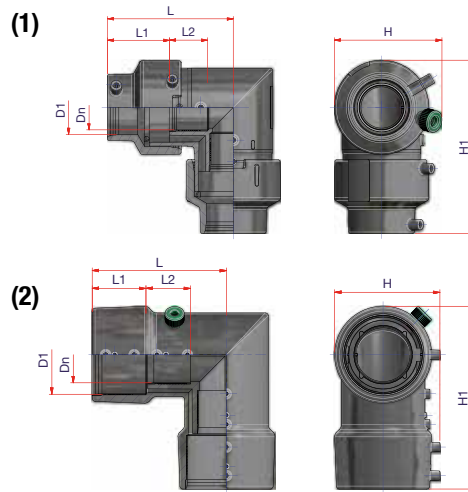
Code	ø	Dn1	Dn2	L1	L2	L	H1	H	Notes
19SGEDWR160225 <sup>(3)</sup> •(*)	160 x 225	160	225	303	125	516	698	359	double wire/bifilaire/bifilar/Doppelleitungssystem/bifilar/bifilare

- reducers for primary and secondary pipe included - réductions pour tuyau primaire et secondaire inclus - reducciones para tubo primario y secundario incluidas - mit Reduzierstücken für Medium- und Mantelrohr - reduções para tubo primário e secundário incluidas - riduzioni per tubo primario e secundario incluse

(\*) available upon request - disponible sur demande - disponible a pedido - verfügbar auf Anfrage - disponível sob encomenda - disponibile su richiesta



# DOUBLE WALL SYSTEM

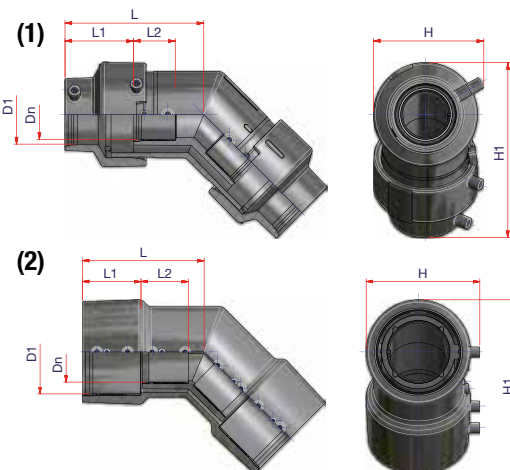


COUDE COAXIAL À 90° POUR TUYAUTERIE DOUBLE PARI  
ELECTROSOUDABLE AVEC PRISE DE TESTE  
CODO COAXIAL DE 90° PARA TUBERÍA DOBLE PARED  
ELECTROSOLDABLE CON VÁLVULA DE PRUEBA  
ELEKTROSCHWEISSBARER DOPPELWANDIGER KOAXIALER  
90°-KRÜMMER MIT PRÜFANSCHLUSS  
COTOVELO 90° COAXIAL DE PAREDE DUPLA  
ELECTROSOLDÁVEL COM TOMADA PARA TESTE  
CURVA COASSIALE A 90° DOPPIA PARETE  
ELETTROSALDABILE CON VALVOLA DI PROVA PER TEST IN  
PRESSIONE

## COAXIAL ELBOW 90° WITH TEST PORT - ELECTROFUSION (SGEDWTP)

Code	ø	Dn	D1	L1	L2	L	H1	H	Notes
19SGEDWTP50 <sup>(1)</sup> •	50	50	63	77	48	154	211	125	
19SGEDWTP63 <sup>(1)</sup> •	63	63	75	88	54	179	247	143	
19SGEDWTP90 <sup>(2)</sup>	90	90	125	88	73	220	299	172	
19SGEDWTP110 <sup>(1)</sup> •	110	110	125	148	83	290	384	195	

• reducers for primary and secondary pipe included - réductions pour tuyau primaire et secondaire inclus - reducciones para tubo primario y secundario incluidas - mit Reduzierstücken für Medium- und Mantelrohr - reduções para tubo primário e secundário incluidas - riduzioni per tubo primario e secundario incluse



COUDE COAXIAL À 45° POUR TUYAUTERIE DOUBLE PARI  
ELECTROSOUDABLE  
CODO COAXIAL DE 45° PARA TUBERÍA DOBLE PARED  
ELECTROSOLDABLE  
ELEKTROSCHWEISSBARER DOPPELWANDIGER KOAXIALER  
45°-KRÜMMER  
COTOVELO 45° COAXIAL DE PAREDE DUPLA  
ELECTROSOLDÁVEL  
CURVA COASSIALE A 45° DOPPIA PARETE  
ELETTROSALDABILE

## COAXIAL ELBOW 45° - ELECTROFUSION (SCEDW)

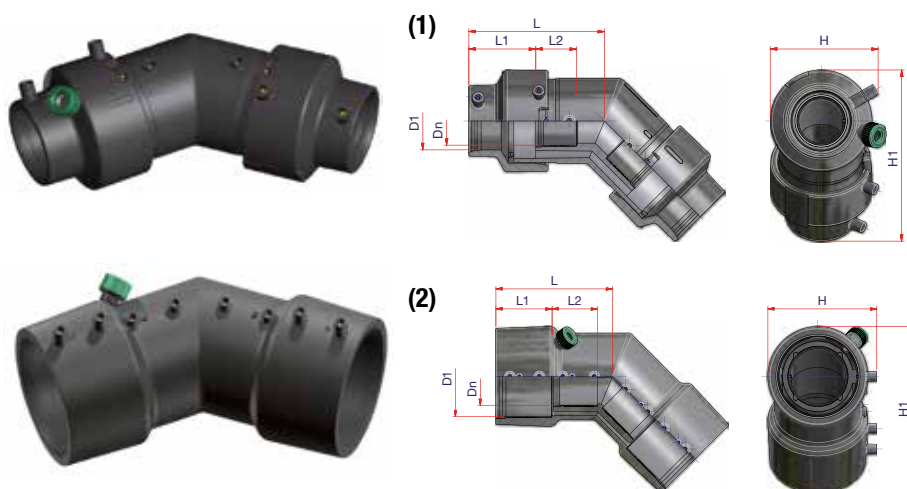
Code	ø	Dn	D1	L1	L2	L	H1	H	Notes
19SCEDW50 <sup>(1)</sup> • (*)	50	50	63	77	48	154	194	124	
19SCEDW63 <sup>(1)</sup> •	63	63	75	89	54	180	227	150	
19SCEDW90 <sup>(2)</sup>	90	90	125	91	161	185	263	172	
19SCEDW110 <sup>(1)</sup> •	110	110	125	148	83	290	350	200	

• reducers for primary and secondary pipe included - réductions pour tuyau primaire et secondaire inclus - reducciones para tubo primario y secundario incluidas - mit Reduzierstücken für Medium- und Mantelrohr - reduções para tubo primário e secundário incluidas - riduzioni per tubo primario e secundario incluse

(\*) available soon - bientôt disponible - disponible en breve - in Kürze verfügbar - disponível em breve - disponibile a breve



## DOUBLE WALL SYSTEM



COUDE COAXIAL À 45° POUR TUYAUTERIE DOUBLE PARI  
ELECTROSOUDABLE AVEC PRISE DE TEST

CODO COAXIAL DE 45° PARA TUBERÍA DOBLE PARED  
ELECTROSOLDABLE CON VÁLVULA DE PRUEBA

ELEKTROSCHWEISSBARER DOPPELWANDIGER KOAXIALER  
45°-KRÜMMER MIT PRÜFVENTIL FÜR DRUCKTEST

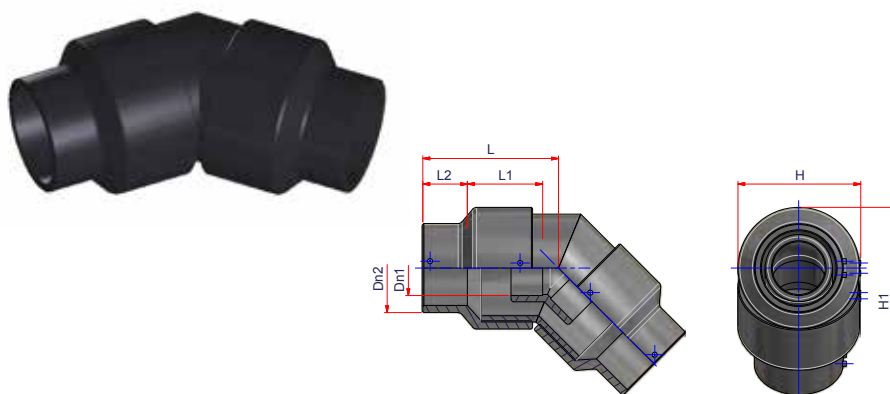
COTOVELO 45° COAXIAL DE PAREDE DUPLA  
ELECTROSOLDÁVEL COM TOMADA PARA TESTE

CURVA COASSIALE A 45° DOPPIA PARETE  
ELETTROSALDABILE CON VALVOLA DI PROVA PER TEST IN  
PRESSIONE

### COAXIAL ELBOW 45° WITH TEST PORT - ELECTROFUSION (SCEDWTP)

Code	ø	Dn	D1	L1	L2	L	H1	H	Notes
19SCEDWTP50 <sup>(1)</sup> •	50	50	63	77	48	154	194	124	
19SCEDWTP63 <sup>(1)</sup> •	63	63	75	89	54	180	227	150	
19SCEDWTP90 <sup>(2)</sup>	90	90	125	91	161	185	263	172	
19SCEDWTP110 <sup>(1)</sup> •	110	110	125	148	83	290	350	200	

- reducers for primary and secondary pipe included - réductions pour tuyau primaire et secondaire inclus - reducciones para tubo primario y secundario incluidas - mit Reduzierstücken für Medium- und Mantelrohr - reduções para tubo primário e secundário incluidas - riduzioni per tubo primario e secundario incluse



COUDE COAXIAL À 45° POUR TUYAUTERIE DOUBLE PARI  
ELECTROSOUDABLE

CODO COAXIAL DE 45° PARA TUBERÍA DOBLE PARED  
ELECTROSOLDABLE

ELEKTROSCHWEISSBARER DOPPELWANDIGER KOAXIALER  
45°-KRÜMMER

COTOVELO 45° COAXIAL DE PAREDE DUPLA  
ELECTROSOLDÁVEL

CURVA COASSIALE A 45° DOPPIA PARETE  
ELETTROSALDABILE

### COAXIAL ELBOW 45° - ELECTROFUSION (SCEDWR)

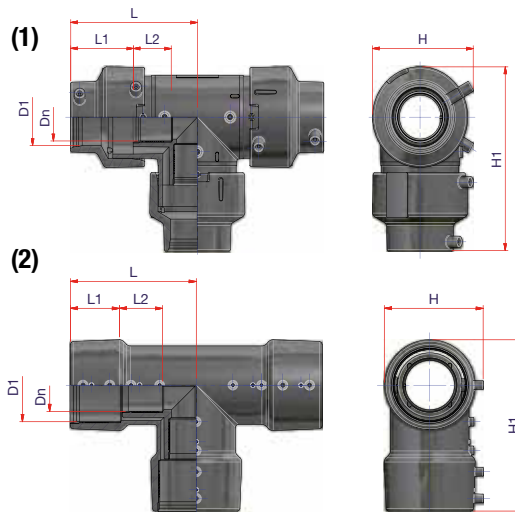
Code	ø	Dn1	Dn2	L1	L2	L	H1	H	Notes
19SCEDWR160225 •(*)	160 x 225	160	225	224.5	125	396	547	363	double wire/bifilaire/bifilar/Doppelleitungssystem/bifilar/bifilare

- reducers for primary and secondary pipe included - réductions pour tuyau primaire et secondaire inclus - reducciones para tubo primario y secundario incluidas - mit Reduzierstücken für Medium- und Mantelrohr - reduções para tubo primário e secundário incluidas - riduzioni per tubo primario e secundario incluse

(\*) available upon request - disponible sur demande - disponible sob encomenda - verfügbar auf Anfrage - disponível sob encomenda - disponibile su richiesta



# DOUBLE WALL SYSTEM

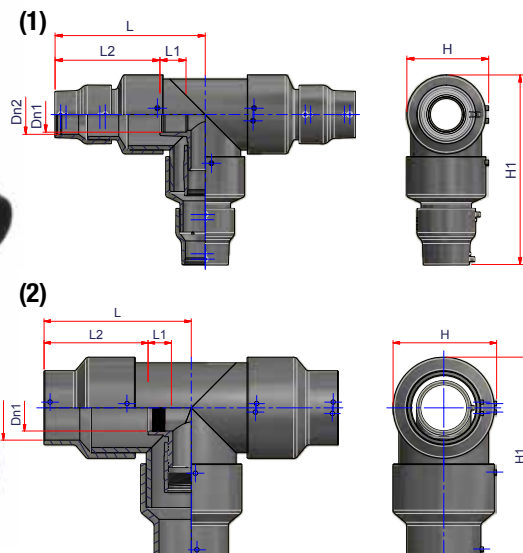


TÉ COAXIAL POUR TUYAUTERIE DOUBLE PARI  
ELECTROSOUDABLE  
TE COAXIAL PARA TUBERÍA DOBLE PARED  
ELECTROSOUDABLE  
ELEKTROSCHWEISSBARES DOPPELWANDIGES KOAXIALES  
T-STÜCK  
TUBO EM T DE PAREDE DUPLA ELECTROSOLDÁVEL  
TEE COASSIALE DOPPIA PARETE ELETTRISALDABILE

## COAXIAL EQUAL TEE - ELECTROFUSION (STEDW)

Code	ø	Dn	D1	L1	L2	L	H1	H	Notes
19STEDW50 <sup>(1)</sup> •	50	50	63	77	48	154	211	124	
19STEDW63 <sup>(1)</sup> •	63	63	75	88	54	179	247	143	
19STEDW90 <sup>(2)</sup>	90	90	125	88	73	220	299	176	

- reducers for primary and secondary pipe included - réductions pour tuyau primaire et secondaire inclus - reducciones para tubo primario y secundario incluidas - mit Reduzierstücken für Medium- und Mantelrohr - reduções para tubo primário e secundário incluidas - riduzioni per tubo primario e secundario incluse



TÉ COAXIAL POUR TUYAUTERIE DOUBLE PARI  
ELECTROSOUDABLE  
TE COAXIAL PARA TUBERÍA DOBLE PARED  
ELECTROSOUDABLE  
ELEKTROSCHWEISSBARES DOPPELWANDIGES KOAXIALES  
T-STÜCK  
TUBO EM T DE PAREDE DUPLA ELECTROSOLDÁVEL  
TEE COASSIALE DOPPIA PARETE ELETTRISALDABILE

## COAXIAL EQUAL TEE - ELECTROFUSION (STEDWR)

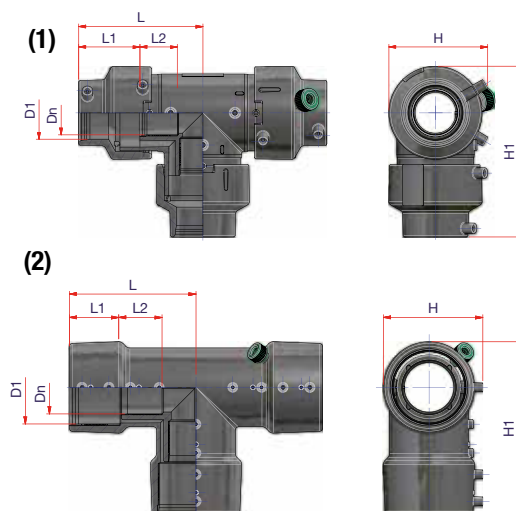
Code	ø	Dn1	Dn2	L1	L2	L	H1	H	Notes
19STEDWR110125 <sup>(1)</sup> • (*)	110 x 125	110	125	83	333	477	602,5	260	
19STEDWR160225 <sup>(2)</sup> • (*)	160 x 225	160	225	81.6	365	516	693	363	

- reducers for primary and secondary pipe included - réductions pour tuyau primaire et secondaire inclus - reducciones para tubo primario y secundario incluidas - mit Reduzierstücken für Medium- und Mantelrohr - reduções para tubo primário e secundário incluidas - riduzioni per tubo primario e secundario incluse

(\*) available upon request - disponible sur demande - disponible a pedido - verfügbar auf Anfrage - disponibile sob encomenda - disponibile su richiesta



# DOUBLE WALL SYSTEM

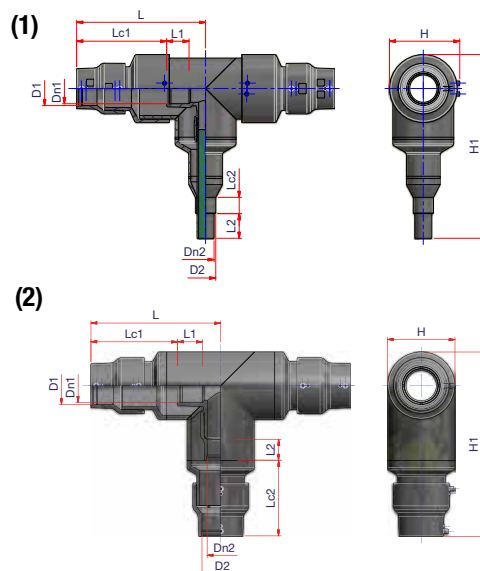


TÉ COAXIAL POUR TUYAUTERIE DOUBLE PARI  
ELECTROSOUDABLE AVEC PRISE DE TEST  
TE COAXIAL PARA TUBERÍA DOBLE PARED  
ELECTROSOLDABLE CON VÁLVULA DE PRUEBA  
ELEKTROSCHWEISSBARES DOPPELWANDIGES KOAXIALES  
T-STÜCK MIT PRÜFVENTIL FÜR DRUCKTEST  
TUBO EM T COAXIAL DE PAREDE DUPLA  
ELECTROSOLDÁVEL COM TOMADA PARA TESTE  
TEE COASSIALE A 90° DOPPIA PARETE  
ELETTROSALDABILE CON VALVOLA DI PROVA

## COAXIAL EQUAL TEE WITH TEST PORT - ELECTROFUSION (STEDWTP)

Code	ø	Dn	D1	L1	L2	L	H1	H	Notes
19STEDWTP50 <sup>(1)</sup> •	50	50	63	77	48	154	211	124	
19STEDWTP63 <sup>(1)</sup> •	63	63	75	88	54	179	247	143	
19STEDWTP90 <sup>(2)</sup> •	90	90	125	88	73	220	299	176	

- reducers for primary and secondary pipe included - réductions pour tuyau primaire et secondaire inclus - reducciones para tubo primario y secundario incluidas - mit Reduzierstücken für Medium- und Mantelrohr - reduções para tubo primário e secundário incluidas - riduzioni per tubo primario e secundario incluse



TÉ REDUITE POUR TUYAUTERIE DOUBLE PARI  
TE REDUCIDA PARA TUBERÍA DOBLE PARED  
REDUZERTES T-STÜCK FÜR DOPPELWANDIGES ROHR  
TUBO EM T COM REDUÇÃO PARA TUBULAÇÃO DE PAREDE DUPLA  
TEE RIDOTTA PER TUBO DOPPIA PARETE

## REDUCING TEE FOR DOUBLE WALL PIPE (STREDWR)

Code	ø	Dn1	D1	Dn2	D2	L1	Lc1	L2	Lc2	L	H1	H	Notes
19STREDWR11063 <sup>(1)</sup> •	110 x 63	110	125	63	75	83	333	91	60	477	667.5	260	
19STREDWR11090 <sup>(2)</sup> •	110 x 90	110	125	90	125	83	289	70	252.5	433	615.5	225	

- reducers for primary and secondary pipe included - réductions pour tuyau primaire et secondaire inclus - reducciones para tubo primario y secundario incluidas - mit Reduzierstücken für Medium- und Mantelrohr - reduções para tubo primário e secundário incluidas - riduzioni per tubo primario e secundario incluse

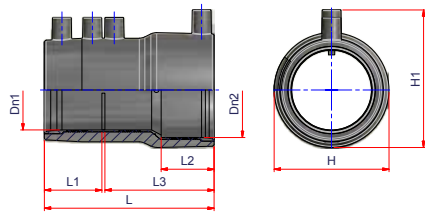




## DOUBLE WALL SYSTEM



(1)



RACCORD TERMINAL ELECTROSOUDABLE DOUBLE PAROI  
– STRUCTURE COMPACTE

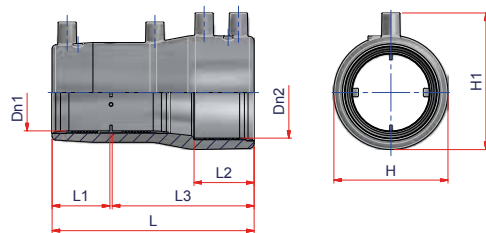
UNIÓN TERMINAL ELECTROLDABLE DOBLE PARED –  
ESTRUCTURA COMPACTA

DOPPELWANDIGES ELEKTROSCHEISSBARES END-  
FITTING - KOMPACTE STRUKTUR

UNIÃO TERMINAL DE PAREDE DUPLA ELECTROLDÁVEL  
- ESTRUTURA COMPACTA

RACCORDO TERMINALE ELETROSALDABILE DOPPIA  
PARETE – STRUTTURA COMPATTA

(2)

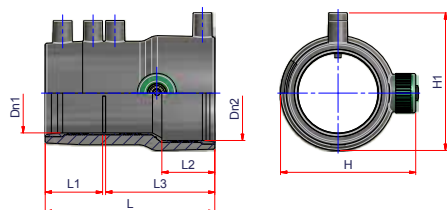


### DOUBLE WALL TERMINATION FITTING - ELECTROFUSION - COMPACT DESIGN (SETFC-SETF)

Code	ø	Dn1	Dn2	L1	L2	L3	L	H1	H	Notes
19SETFC32 <sup>(1)</sup>	32	32	40	37	48	95	136	74	55	
19SETFC50 <sup>(1)</sup>	50	50	63	45	42.5	86.5	136	98	80	
19SETFC63 <sup>(1)</sup>	63	63	75	45	42.5	86.5	136	110	92	
19SETF90 <sup>(2)</sup>	90	90	125	59	88	169.5	230	172	155	
19SETFC110 <sup>(1)</sup>	110	110	125	69	65.5	134	207.5	168	156	



(1)



RACCORD TERMINAL ELECTROSOUDABLE DOUBLE PAROI  
AVEC PRISE DE TEST – STRUCTURE COMPACTE

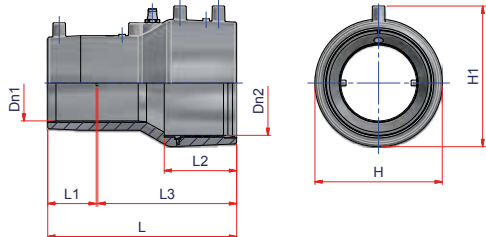
UNIÓN TERMINAL ELECTROLDABLE DOBLE PARED CON  
VÁLVULA DE PRUEBA – ESTRUCTURA COMPACTA

DOPPELWANDIGES ELEKTROSCHEISSBARES END-  
FITTING MIT PRÜFVENTIL FÜR DRUCKTEST - KOMPACTE  
STRUKTUR

UNIÃO TERMINAL DE PAREDE DUPLA ELECTROLDÁVEL  
COM TOMADA PARA TESTE - ESTRUTURA COMPACTA

RACCORDO TERMINALE ELETROSALDABILE DOPPIA  
PARETE CON VALVOLA DI PROVA – STRUTTURA COMPATTA

(2)



### DOUBLE WALL TERMINATION FITTING WITH TEST PORT - ELECTROFUSION - COMPACT DESIGN (SETFCV-SETFV)

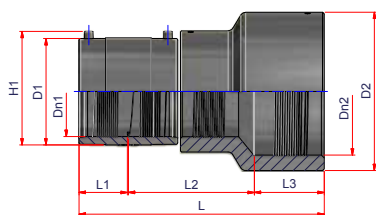
Code	ø	Dn1	Dn2	L1	L2	L3	L	H1	H	Notes
19SETFCV32 <sup>(1)</sup>	32	32	40	37	48	95	136	74	75	
19SETFCV50 <sup>(1)</sup>	50	50	63	45	42.5	86.5	136	98	96.5	
19SETFCV63 <sup>(1)</sup>	63	63	75	45	42.5	86.5	136	110	108	
19SETFV90 <sup>(2)</sup>	90	90	125	59	88	169.5	230	132	155	
19SETFCV110 <sup>(1)</sup>	110	110	125	69	65.5	134	207.5	168	172.5	



## DOUBLE WALL SYSTEM



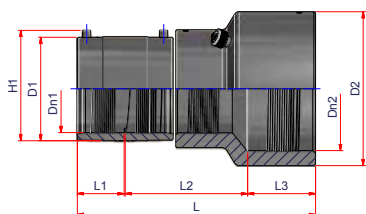
(1)



RACCORD TERMINAL ELECTROSOUDABLE DOUBLE PARI  
 UNIÓN TERMINAL ELECTROSOLDABLE DOBLE PARED  
 DOPPELWANDIGES ELEKTROSCHWEISSBARES END-FITTING  
 UNIÃO TERMINAL DE PAREDE DUPLA ELECTROSOLDÁVEL  
 RACCORDO TERMINALE ELETTRISALDABILE DOPPIA PARETE



(2)



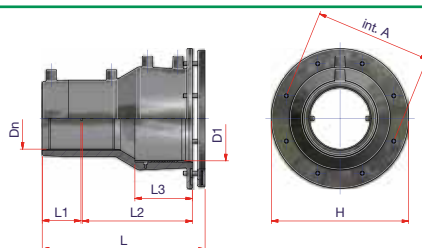
### TERMINATION FITTING - ELECTROFUSION - DOUBLE WALL (SETFR-SETFVR)

Code	ø	Dn1	Dn2	D1	D2	L	L1	L2	L3	H1	Notes
19SETFR160225 <sup>(1)</sup>	160	160	225	191	278	435	86	223	124	201	
19SETFVR160225 <sup>(2) (*)</sup>	160	160	225	191	278	435	86	223	124	201	

(\*) with test port - avec prise de test - con válvula de prueba - mit Prüfanschluss - com tomada para teste - con valvola di prova



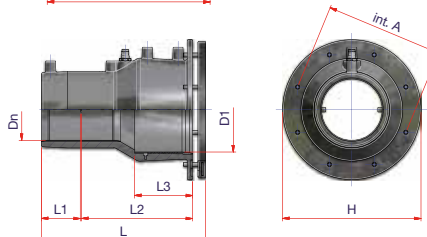
(1)



RACCORD TERMINAL / PRESSE-ÉTOUPE ELECTROSOUDABLE  
 UNIÓN TERMINAL / PASA-MUROS ELECTROSOLDABLE  
 ELEKTROSCHWEISSBARES END-FITTING / ROHRDURCHFÜHRUNG



(2)



UNIÃO TERMINAL / PREME ESTOPA ELECTROSOLDÁVEL  
 RACCORDO TERMINALE / PREMI-STOPPA ELETTRISALDABILE

### TERMINATION FITTING / ENTRY BOOT - ELECTROFUSION (SEBTF-SEBTFV)

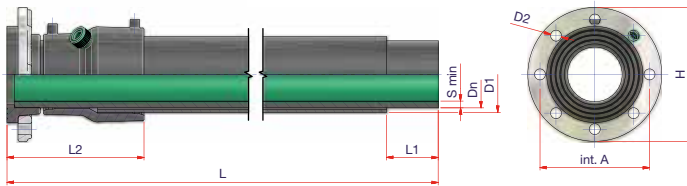
Code	ø	Dn	D1	L	L1	L2	L3	H	int. A	Holes (no.)	Notes
19SEBTF90 <sup>(1)</sup>	90	90	125	249	59	168.5	88	210	178	8	
19SEBTFV90 <sup>(2) (*)</sup>	90	90	125	249	59	168.5	88	210	178	8	

(\*) with test port - avec prise de test - con válvula de prueba - mit Prüfanschluss - com tomada para teste - con valvola di prova





## DOUBLE WALL SYSTEM

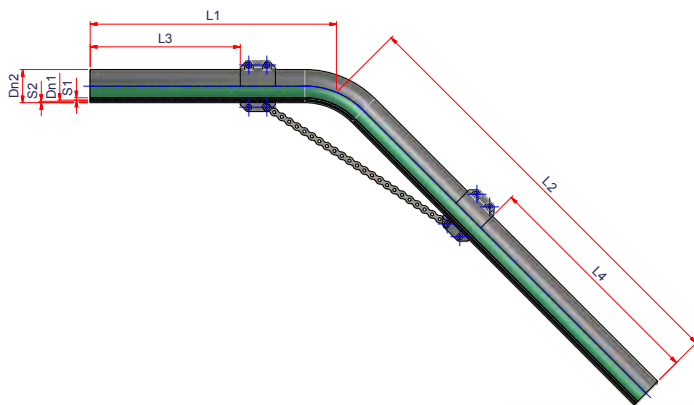


KIT TERMINAL DOUBLE PARI AVEC BRIDE 110/125  
 KIT TERMINAL DOBLE PARED CON BRIDA 110/125  
 DOPPELWANDIGES END-FITTING MIT FLANSCH 110/125  
 KIT TERMINAL DE PAREDE DUPLA COM FLANGE 110/125  
 KIT TERMINALE DOPPIA PARETE CON FLANGIA 110/125

### DOUBLE WALL TERMINATION FITTING KIT WITH FLANGE 110/125 (SETFVKFLA)

Code	ø	Dn	S min	D1	L1	L2	L	H	int. A	D2	Holes (no.)	Notes
19SETFVKFLA110 (*)	110	110	9.1	125	85	225	785	220	180	18	8	UNI-DIN flange bride UNI-DIN brida UNI-DIN UNI-DIN-Flansch flange UNI-DIN flangia UNI-DIN

(\*) with test port - avec prise de test - con válvula de prueba - mit Prüfanschluss - com tomada para teste - con valvola di prova



COUDE DOUBLE ENVELOPPE À 45 CONFORME UL 971  
 CODO DE 45° DOBLE CONTENIMIENTO EN CONFORMIDAD CON UL 971  
 DOPPELWANDIGER 45°-KRÜMMER MIT ZERTIFIKAT UL 971  
 COTOVELO DE PAREDE DUPLA 45° EM CONFORMIDADE COM UL 971  
 CURVA A 45° DOPPIA PARETE IN CONFORMITÀ ALLA NORMA UL 971



### UL 971 LISTED DOUBLE WALL BEND 45° (SCBXPDP)

Code	Dn1	Dn2	S1	S2	L1	L2	L3	L4	Notes
19SCBXPDP6372	63	75	5.7	3.4	2134	564	340	1910	



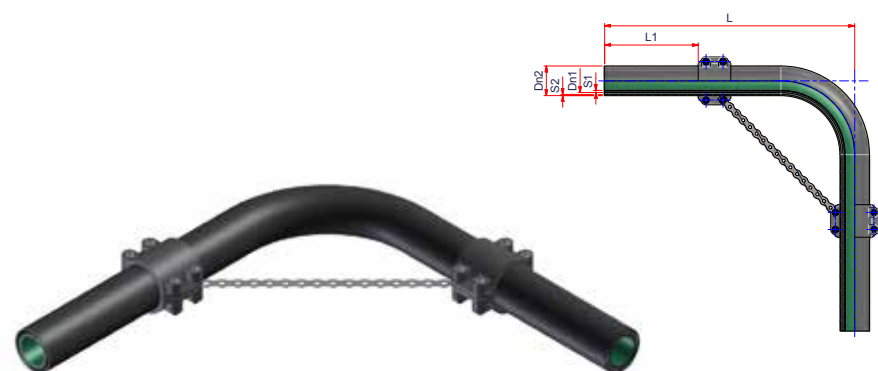
## DOUBLE WALL SYSTEM



COUDE DOUBLE PAROI À 45°  
CODO DE 45° DOBLE PARED  
DOPPELWANDIGER 45°-KRÜMMER  
COTOVELO 45° DE PAREDE DUPLA  
CURVA A 45° DOPPIA PARETE

### BEND 45° (SCBD)

Code	ø	Dn1	Dn2	S1	S2	L1	L	Notes
19SCBD50	50	50	63	4.7	3.8	185	408	
19SCBD63	63	63	75	5.7	4.4	185	402	



COUDE DOUBLE PAROI À 90°  
CODO DE 90° DOBLE PARED  
DOPPELWANDIGER 90°-KRÜMMER  
COTOVELO 90° DE PAREDE DUPLA  
CURVA A 90° DOPPIA PARETE

### BEND 90° (SGBD)

Code	ø	Dn1	Dn2	S1	S2	L1	L	Notes
19SGBD32	32	32	40	3.4	2.4	200	421.5	
19SGBD50	50	50	63	4.7	2.5	200	534	
19SGBD63	63	63	75	5.7	2.9	200	438	



# DOUBLE WALL SYSTEM



ADAPTATEUR MÂLE LONG DOUBLE PARI  
 ADAPTADOR MACHO LARGO DOBLE PARED  
 DOPPELWANDIGER ADAPTER MIT AUSSENGEWINDE, LANG  
 ADAPTADOR MACHO LONGO DE PAREDE DUPLA  
 ADATTATORE MASCHIO LUNGO DOPPIA PARETE

## RISER MALE LONG (SADWM)

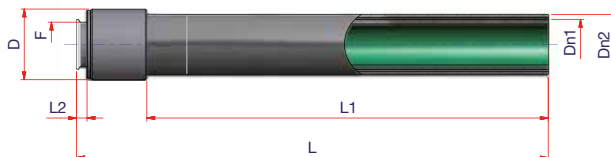
Code	ø	Dn1	Dn2	F	D	L	L1	L2 min	Notes
19SADWM50112	50 x 1 1/2"	50	63	1 1/2"	75	640	515	19.1	BSP thread/filet BSP/ rosca BSP/BSP-Gewinde/ rosca BSP/filettatura BSP
19SADWM632	63 x 2"	63	75	2"	90	650	510	23.4	
19SADWM63112	63 x 1 1/2"	63	75	1 1/2"	90	650	515	19.1	
19SADWM50112NPT	50 x 1 1/2"	50	63	1 1/2" NPT	72	640	515	18.3	NPT thread/filet NPT/ rosca NPT/NPT-Gewinde/ rosca NPT/filettatura NPT
19SADWM632NPT	63 x 2"	63	75	2" NPT	90	650	510	19.2	



ADAPTATEUR MÂLE LONG DOUBLE PARI AVEC PRISE DE TEST  
 ADAPTADOR MACHO LARGO DOBLE PARED CON VÁLVULA DE PRUEBA  
 DOPPELWANDIGER ADAPTER MIT AUSSENGEWINDE UND PRÜFVENTIL FÜR DRUCKTEST, LANG  
 ADAPTADOR MACHO LONGO DE PAREDE DUPLA COM TOMADA PARA TESTE  
 ADATTATORE MASCHIO LUNGO DOPPIA PARETE CON VALVOLA DI PROVA PER TEST IN PRESSIONE

## RISER MALE LONG WITH TEST PORT (SADWMLTP)

Code	ø	Dn1	Dn2	F	D	H	L	L1	L2 min	Notes
19SADWMLTP632	63 x 2"	63	75	2"	90	111	1114.5	1000	23.4	L=1000 mm BSP thread/filet BSP/ rosca BSP/BSP-Gewinde/ rosca BSP/filettatura BSP
19SADWMLTP632NPT	63 x 2"	63	75	2" NPT	90	111	1114.5	1000	19.2	L=1000 mm NPT thread/filet NPT/ rosca NPT/NPT-Gewinde/ rosca NPT/filettatura NPT



ADAPTATEUR DOUBLE PARI EZ-FIT  
 ADAPTADOR DOBLE PARED EZ-FIT  
 DOPPELWANDIGER ADAPTER EZ-FIT  
 ADAPTADOR MACHO DE PAREDE DUPLA EZ FIT  
 ADATTATORE DOPPIA PARETE EZ-FIT

## RISER EZ-FIT (SADWE)

Code	ø	Dn1	Dn2	F	D	L	L1	L2	Notes
19SADWE50	50	50	63	EZ 2"	73	577.5	500	13	
19SADWE63	63	63	75	EZ 2"	89	587.5	500	13	



## DOUBLE WALL SYSTEM



ADAPTATEUR DOUBLE PARI EZ-FIT AVEC PRISE DE TEST  
ADAPTADOR DOBLE PARED EZ-FIT CON VÁLVULA DE PRUEBA

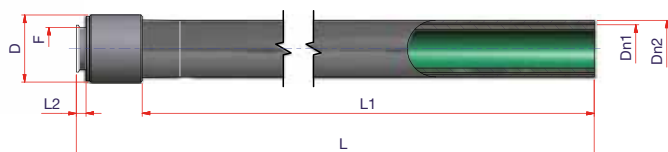
DOPPELWANDIGER ADAPTER EZ-FIT MIT PRÜFVENTIL FÜR DRUCKTEST

ADAPTADOR MACHO DE PAREDE DUPLA EZ FIT COM TOMADA PARA TESTE

ADATTATORE DOPPIA PARETE EZ-FIT CON VALVOLA DI PROVA PER TEST IN PRESSIONE

### RISER EZ-FIT WITH TEST PORT (SADWETP)

Code	ø	Dn1	Dn2	F	D	H	L	L1	L2	Notes
19SADWETP50	50	50	63	EZ 2"	73	96.5	587.5	500	13	
19SADWETP63	63	63	75	EZ 2"	89	112.5	587.5	500	13	



ADAPTATEUR DOUBLE PARI LONG EZ-FIT

ADAPTADOR DOBLE PARED LARGO EZ-FIT

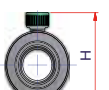
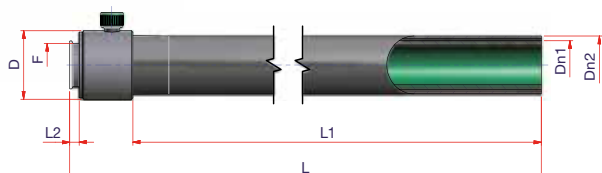
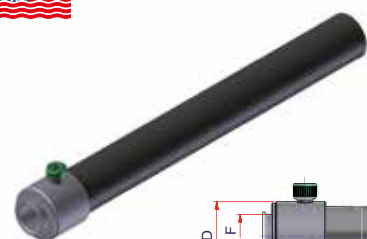
DOPPELWANDIGER ADAPTER EZ-FIT, LANG

ADAPTADOR MACHO LONGO DE PAREDE DUPLA EZ FIT

ADATTATORE LUNGO DOPPIA PARETE EZ-FIT

### RISER EZ-FIT LONG (SADWEL)

Code	ø	Dn1	Dn2	F	D	L	L1	L2	Notes
19SADWEL63	63	63	75	EZ 2"	89	1088	1000	13	



ADAPTATEUR LONG DOUBLE PARI EZ-FIT AVEC PRISE DE TEST

ADAPTADOR LARGO DOBLE PARED EZ-FIT CON VÁLVULA DE PRUEBA

DOPPELWANDIGER ADAPTER EZ-FIT, LANG MIT PRÜFVENTIL FÜR DRUCKTEST

ADAPTADOR MACHO LONGO DE PAREDE DUPLA EZ FIT COM TOMADA PARA TESTE

ADATTATORE LUNGO DOPPIA PARETE EZ-FIT CON VALVOLA DI PROVA PER TEST IN PRESSIONE

### RISER EZ-FIT LONG WITH TEST PORT (SADWELTP)

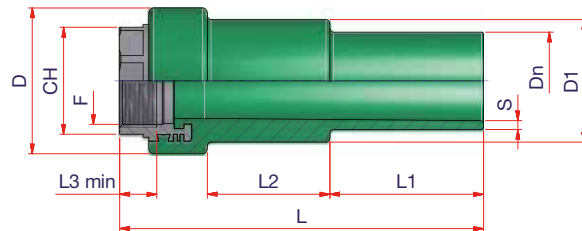
Code	ø	Dn1	Dn2	F	D	H	L	L1	L2	Notes
19SADWELTP50	50	50	63	EZ 2"	73	96.5	1087.5	1000	13	
19SADWELTP63	63	63	75	EZ 2"	89	112.5	1087.5	1000	13	



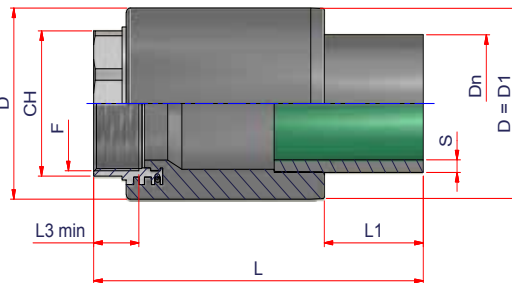
# DOUBLE WALL SYSTEM



(1)



(2)



ADAPTATEUR FEMELLE DOUBLE PARI NIQUÉLÉ POUR SYSTÈME COAXIAL

ADAPTADOR HEMBRA DOBLE PARED NIQUELADO PARA EL SISTEMA COAXIAL

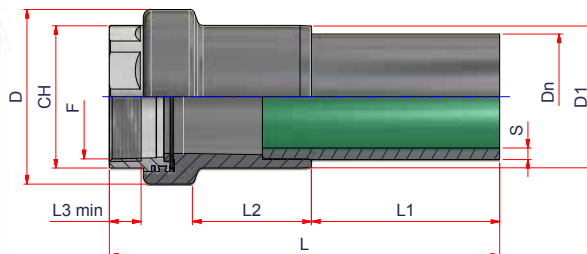
DOPPELWANDIGER ADAPTER MIT INNENGEWINDE FÜR KOAXIALSYSTEM, VERNICKELT

ADAPTADOR FÊMEA DE PAREDE DUPLA NIQUELADO PARA CONEXÕES COAXIAIS


ADATTATORE FEMMINA DOPPIA PARETE NICHELATO PER SISTEMA COASSIALE



(3)



## ADAPTER FEMALE FOR COAXIAL FITTINGS NICKEL PLATED (SAWFDNP)

Code	ø	Dn	F	D1	D	S	L	L1	L2	L3 min	CH	Notes
19SAWFDNP50112 <sup>(1)</sup>	50 x 1 1/2"	50	1 1/2"	63	75	4.6	187	79	63	19	55	
19SAWFDNP502 <sup>(1)(*)</sup>	50 x 2"	50	2"	63	90	4.6	-	79	63	23.7	65	
19SAWFDNP63112 <sup>(1)(*)</sup>	63 x 1 1/2"	63	1 1/2"	75	75	5.8	205	90	70	19	55	BSP thread/filet BSP/ rosca BSP/BSP-Gewinde/ rosca BSP/filettatura BSP
19SAWFDNP632 <sup>(1)</sup>	63 x 2"	63	2"	75	90	5.8	210	90	70	23.7	65	
19SAWFDNP903 <sup>(2)</sup>	90 x 3"	90	3"	125	125	8.2	243	73	-	33.3	95	
19SAWFDNP1104 <sup>(3)</sup>	110 x 4"	110	4"	125	153	10	342	165	95	39.3	120	
19SAWFDNP50112NPT <sup>(1)</sup>	50 x 1 1/2"	50	1 1/2"NPT	63	75	4.6	187	79	63	17.3	55	 NPT thread/filet NPT/ rosca NPT/NPT-Gewinde/ rosca NPT/filettatura NPT
19SAWFDNP502NPT <sup>(1)(*)</sup>	50 x 2"	50	2"NPT	63	90	4.6	-	79	63	17.7	65	
19SAWFDNP63112NPT <sup>(1)(*)</sup>	63 x 1 1/2"	63	1 1/2"NPT	75	75	5.8	205	90	70	17.3	55	
19SAWFDNP632NPT <sup>(1)</sup>	63 x 2"	63	2" NPT	75	90	5.8	210	90	70	17.7	65	
19SAWFDNP903NPT <sup>(2)</sup>	90 x 3"	90	3" NPT	125	125	8.2	243	73	-	25.8	95	
19SAWFDNP1104NPT <sup>(3)</sup>	110 x 4"	110	4" NPT	125	153	10	342	165	95	27.8	120	

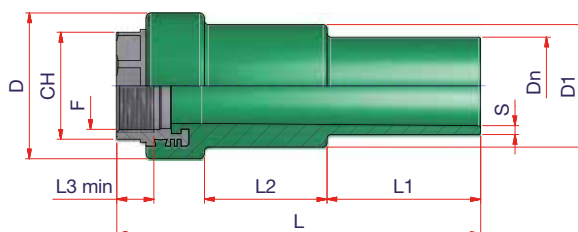
(\*) available upon request - disponible sur demande - disponible a pedido - verfügbar auf Anfrage - disponivel sob encomenda - disponibile su richiesta



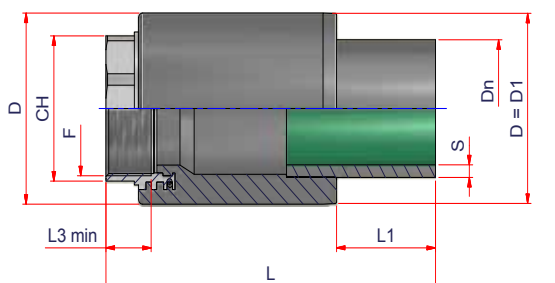
# DOUBLE WALL SYSTEM



(1)



(2)



ADAPTATEUR FEMELLE DOUBLE PARI POUR SYSTÈME COAXIAL FILÉT INOX (AISI 304)

ADAPTADOR HEMBRA DOBLE PARED PARA EL SISTEMA COAXIAL ROSCA INOX (AISI 304)

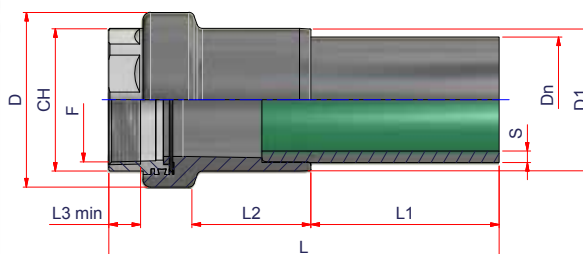
DOPPELWANDIGER ADAPTER FÜR KOAXIALSYSTEM MIT INNENGEWINDE AUS ROSTFREIEM STAHL (AISI 304)

ADAPTADOR FÊMEA DE PAREDE DUPLA PARA CONEXÕES COAXIAIS ROSCA INOX (AISI 304)

ADATTATORE FEMMINA DOPPIA PARETE PER SISTEMA COASSIALE INSERTO INOX (AISI 304)



(3)



## ADAPTER FEMALE FOR COAXIAL FITTINGS STAINLESS STEEL - AISI 304 (SAWFD\_SS)

Code	ø	Dn	F	D1	D	S	L	L1	L2	L3 min	CH	Notes
19SAWFD50112SS <sup>(1)</sup>	50 x 1 1/2"	50	1 1/2"	63	75	4.6	187	79	63	19	55	
19SAWFD63112SS <sup>(1)</sup>	63 x 1 1/2"	63	1 1/2"	75	75	5.8	205	90	70	19	55	
19SAWFD632SS <sup>(1)</sup>	63 x 2"	63	2"	75	90	5.8	210	90	70	23.7	65	BSP thread/filet BSP/ rosca BSP/BSP-Gewinde/ rosca BSP/filettatura BSP
19SAWFD903SS <sup>(2)</sup>	90 x 3"	90	3"	125	125	8.2	243	73	-	33.3	95	
19SAWFD1104SS <sup>(3)</sup>	110 x 4"	110	4"	125	153	10	342	165	92	39.3	120	
19SAWFD50112SSNPT <sup>(1)</sup>	50 x 1 1/2"	50	1 1/2"	63	75	4.6	187	79	63	17.3	55	
19SAWFD63112SSNPT <sup>(1)</sup>	63 x 1 1/2"	63	1 1/2"	75	75	5.8	205	90	70	17.3	55	
19SAWFD632SSNPT <sup>(1)</sup>	63 x 2"	63	2"	75	90	5.8	210	90	70	17.7	65	
19SAWFD903SSNPT <sup>(2)</sup>	90 x 3"	90	3"	125	125	8.2	243	73	-	25.8	95	
19SAWFD1104SSNPT <sup>(3)</sup>	110 x 4"	110	4"	125	153	10	342	165	95	27.8	120	

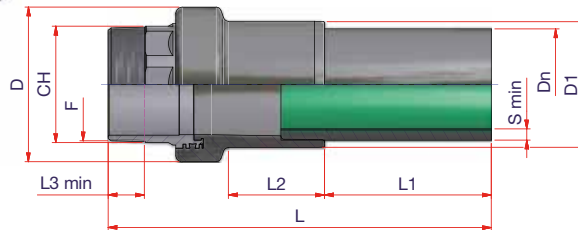


NPT thread/filet NPT/  
rosca NPT/NPT-Gewinde/  
rosca NPT/filettatura NPT

for special applications (Adblue) - pour applications speciaux (Adblue) - para aplicaciones especiales (Adblue) - für Spezialanwendungen (Adblue) - para aplicações especiais (Adblue) - per applicazioni speciali (Adblue)



## DOUBLE WALL SYSTEM



ADAPTATEUR MÂLE DOUBLE PARI NIQUÉLÉ POUR SYSTÈME COAXIAL

ADAPTADOR MACHO DOBLE PARED NIQUELADO PARA EL SISTEMA COAXIAL

DOPPELWANDIGER ADAPTER MIT AUSSENGEWINDE FÜR KOAXIALSYSTEM, VERNICKELT

ADAPTADOR MACHO DE PAREDE DUPLA NIQUELADO PARA CONEXÕES COAXIAIS

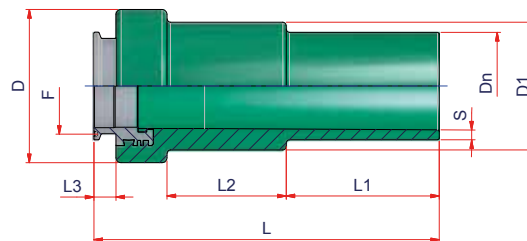
ADATTATORE MASCHIO DOPPIA PARETE NICHELATO PER SISTEMA COASSIALE

### ADAPTER MALE FOR COAXIAL FITTINGS NICKEL PLATED (SAWMDNP)

Code	ø	Dn	F	D1	D	S min	L	L1	L2	L3 min	CH	Notes
19SAWMDNP1104	110 x 4"	110	4"	125	153	9.1	379	165	95	35.8	115	



(1)



ADAPTATEUR RAPIDE DOUBLE PARI EZ-FIT POUR SYSTÈME COAXIAL

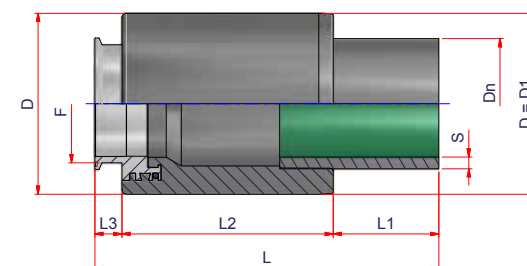
ADAPTADOR DOBLE PARED EZ-FIT PARA EL SISTEMA COAXIAL

DOPPELWANDIGER EZ-FIT-ADAPTER FÜR KOAXIALSYSTEM

ADAPTADOR EZ-FIT PAREDE DE DUPLA PARA CONEXÕES COAXIAIS

ADATTATORE EZ-FIT DOPPIA PARETE PER SISTEMA COASSIALE

(2)



### ADAPTER EZ-FIT FOR COAXIAL FITTINGS (SAEWF)

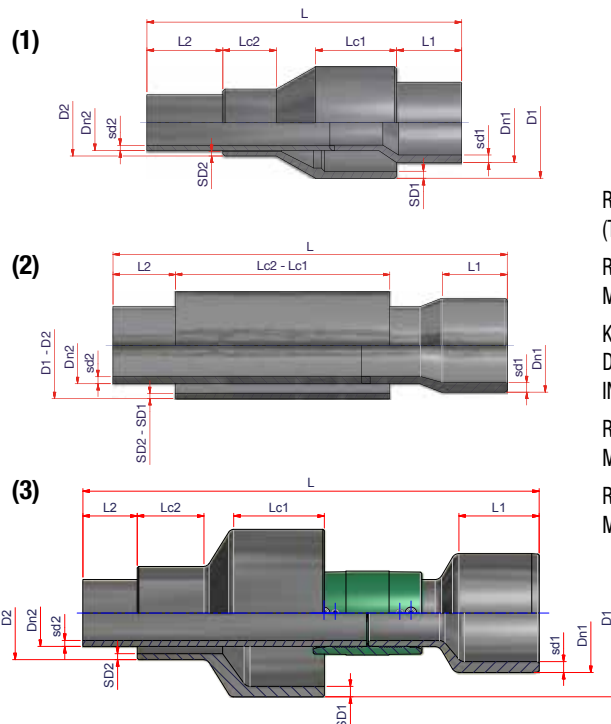
Code	ø	Dn	F	D1	D	S	L	L1	L2	L3	Notes
19SAEWF50 <sup>(1)</sup>	50	50	EZ 2"	63	90	4.6	172	79	63	13	
19SAEWF63 <sup>(1)</sup>	63	63	EZ 2"	75	90	5.8	190	90	70	13	
19SAEWF90 <sup>(2)</sup>	90	90	EZ 3"	125	125	8.2	238	74	146	18.7	
19SAEWF110 <sup>(3) (*)</sup>	110	110	EZ 4"	125	125	11	330	165	146	18.7	

(\*) available upon request - disponible sur demande - disponible a pedido - verfügbar auf Anfrage - disponível sob encomenda - disponibile su richiesta





# DOUBLE WALL SYSTEM



RÉDUCTION CONCENTRIQUE POUR DOUBLE PAROI  
(TERMINAISON MÂLE X TERMINAISON MÂLE)

REDUCCIÓN CONCENTRICA DOBLE PARED (ESPIGA  
MACHO X ESPIGA MACHO)

KONZENTRISCHES REDUZIERSTÜCK FÜR  
DOPPELWANDIGES ROHRSYSTEM (STUTZEN MIT  
INNENGEWINDE X STUTZEN MIT INNENGEWINDE)

REDUÇÃO CONCÊNTRICA PAREDE DUPLA (ESPIGÃO  
MACHO X ESPIGÃO MACHO)

RIDUZIONE CONCENTRICA DOPPIA PARETE (CODOLO  
MASCHIO X CODOLO MASCHIO)

## COAXIAL REDUCER - SPIGOT X SPIGOT (SRDW)

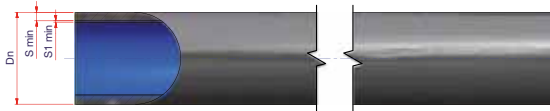
Code	ø	Dn1	Dn2	D1	D2	sd1	sd2	SD1	SD2	L1	L2	L	Lc1	Lc2	Notes
19SRDW5032 <sup>(1)</sup>	50 x 32	50	32	63	40	4.6	3	5.7	3.7	57	191	393	57.5	47	
19SRDW6350 <sup>(1)</sup>	63 x 50	63	50	75	63	5.7	4.6	4.6	3.8	90	84	314	66	44	
19SRDW9050 <sup>(1)</sup>	90 x 50	90	50	125	63	8.2	4.6	7.4	3.8	73	83	341	87	55	
19SRDW9063 <sup>(1)</sup>	90 x 63	90	63	125	75	8.2	5.7	7.4	5	73	85	353	91	60	
19SRDW11063 <sup>(1)</sup>	110 x 63	110	63	125	75	10	5.7	7.4	5	85	85	435	91	60	
19SRDW11090 <sup>(2)</sup>	110 x 90	110	90	125	125	10	8.2	6	6	75.4	73	460	250	250	
19SRDW16090 <sup>(3) (*)</sup>	160 x 90	160	90	225	125	14.6	8.2	13.4	7.4	106	73	614	122	90	
19SRDW160110 <sup>(3) (*)</sup>	160 x 110	160	110	225	125	14.6	10	13.4	5.4	105	99.5	642	122	90	

couplers not included - manchons non inclus - manguitos no incluidos - ohne Muffen - uniões não incluídas - manicotti non inclusi

(\*) available upon request - disponible sur demande - disponible a pedido - verfügbar auf Anfrage - disponível sob encomenda - disponibile su richiesta



## ADBLUE / DEF / UREA SYSTEM



TUYAUTERIE SIMPLE PARI POUR LIGNES DE REFOULEMENT (ADBLUE/UREA) - COURONNES/BARRES

TUBERÍA SIMPLE PARED PARA LÍNEA DE PRODUCTO (ADBLUE/UREA) - ROLLOS/BARRAS

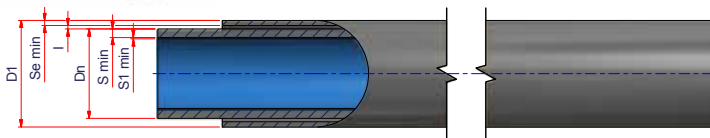
EINWANDIGES ROHRSYSTEM FÜR KRAFTSTOFF (ADBLUE/UREA) - ROLLEN/STANGEN

TUBO DE PAREDE SIMPLES PARA LINHA DE PRODUTO (ADBLUE/UREIA) - BOBINAS/BARRAS

TUBO SINGOLA PARETE PER CARBURANTE (ADBLUE/UREA) - ROTOLI/BARRE

### ADBLUE/DEF/UREA SINGLE WALL PRODUCT PIPE - COILS, STRAIGHT LENGTHS/STICKS (TSMADUREA)

Code	ø	Package (m)	Dn	S min	S1 min	Weight kg/m	Notes
19TSMADUREA32B6	32	5x5.8	32	2.4	1	0.33	straight lengths (sticks)/barres/barras/Stangen/barras/barre
19TSMADUREA32R75	32	75	32	2.4	1	0.33	coils/couronnes/rollos/Rollen/bobinas/rotoli
19TSMADUREA50B6	50	5x5.8	50	3.7	1	0.62	straight lengths (sticks)/barres/barras/Stangen/barras/barre
19TSMADUREA50R75	50	75	50	3.7	1	0.62	coils/couronnes/rollos/Rollen/bobinas/rotoli
19TSMADUREA63B6	63	4x5.8	63	4.7	1	1.03	straight lengths (sticks)/barres/barras/Stangen/barras/barre
19TSMADUREA63R75	63	75	63	4.7	1	1.03	coils/couronnes/rollos/Rollen/bobinas/rotoli
19TSMADUREA90B6	90	2x5.8	90	6.7	1	2.17	straight lengths (sticks)/barres/barras/Stangen/barras/barre



TUYAUTERIE DOUBLE PARI POUR LIGNES DE REFOULEMENT (ADBLUE/UREA) - COURONNES/BARRES

TUBERÍA DOBLE PARED PARA LÍNEA DE PRODUCTO (ADBLUE/UREA) - ROLLOS/BARRAS

DOPPELWANDIGES ROHRSYSTEM FÜR KRAFTSTOFF (ADBLUE/UREA) - ROLLEN/STANGEN

TUBO DE PAREDE DUPLA PARA LINHA DE PRODUTO (ADBLUE/UREIA) - BOBINAS/BARRAS

TUBO DOPPIA PARETE PER CARBURANTE (ADBLUE/UREA) - ROTOLI/BARRE

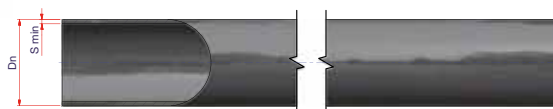
### ADBLUE/DEF/UREA DOUBLE WALL PRODUCT PIPE - COILS, STRAIGHT LENGTHS/STICKS (TSMADUREA)

Code	ø	Package (m)	Dn	D1	l	S min	S1 min	Se min	Weight kg/m	Notes
19TSMADUREA3240B6	32	5x5.8	32	40	1.6	2.4	1	2.4	0.63	straight lengths (sticks)/barres/barras/Stangen/barras/barre
19TSMADUREA3240R75	32	75	32	40	1.6	2.4	1	2.4	0.63	coils/couronnes/rollos/Rollen/bobinas/rotoli
19TSMADUREA50B6	50	4x5.8	50	63	4	3.7	1	2.5	1.15	straight lengths (sticks)/barres/barras/Stangen/barras/barre
19TSMADUREA50R75	50	75	50	63	4	3.7	1	2.5	1.15	coils/couronnes/rollos/Rollen/bobinas/rotoli
19TSMADUREA63B6	63	3x5.8	63	75	3.2	4.7	1	2.9	1.74	straight lengths (sticks)/barres/barras/Stangen/barras/barre
19TSMADUREA63R75	63	75	63	75	3.2	4.7	1	2.9	1.74	coils/couronnes/rollos/Rollen/bobinas/rotoli
19TSMADUREA90B6	90	1x5.8	90	125	13.2	6.7	1	4.8	4.12	straight lengths (sticks)/barres/barras/Stangen/barras/barre

N.B.: diameter 160 available for the UREA system upon request - diamètre 160 disponible pour le système URÉE sur demande - Durchmesser 160 für das Harnstoffsystem (UREA) auf Anfrage erhältlich - diámetro 160 disponible para o sistema UREIA sob encomenda - diametro 160 disponibile per il sistema UREA su richiesta



## ADBLUE / DEF / UREA SYSTEM

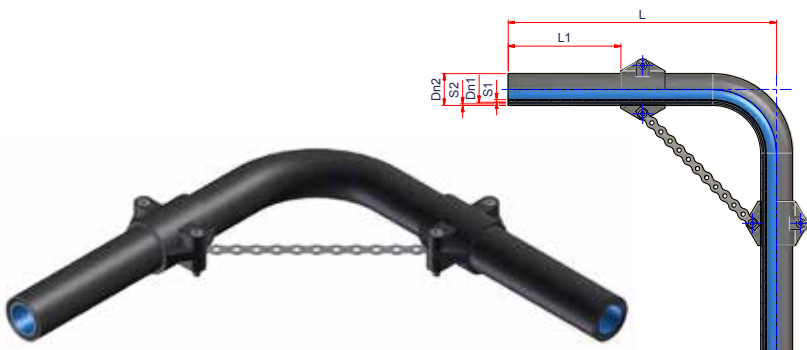


TUYAUTERIE SECONDAIRE POUR ADBLUE/URÉE - BARRES  
 TUBERÍA SECUNDARIA PARA ADBLUE/UREA - BARRAS  
 MANTELROHRSYSTEM FÜR ADBLUE/UREA - STANGEN  
 TUBO DE CONTENÇÃO SECUNDÁRIO PARA ADBLUE/UREIA - BARRAS  
 TUBO DI CONTENIMENTO SECONDARIO PER ADBLUE/UREA - BARRE

### ADBLUE/DEF/UREA SECONDARY CONTAINMENT PIPE - STRAIGHT LENGTHS/STICKS (TSMASUREA)

Code	ø	Package (m)	Dn	S min	S1 min	Weight kg/m	Notes
19TSMASUREA40B6	40	4x5.8	40	2.4	1	0.30	for/pour/para/für/para/per 32 mm primary/primaire/primario/Primärrohr/primário/primario
19TSMASUREA63B6	63	4x5.8	63	2.5	1	0.53	for/pour/para/für/para/per 50 mm primary/primaire/primario/Primärrohr/primário/primario
19TSMASUREA75B6	75	3x5.8	75	2.9	1	0.71	for/pour/para/für/para/per 63 mm primary/primaire/primario/Primärrohr/primário/primario
19TSMASUREA125B6	125	1x5.8	125	4.8	1	1.95	for/pour/para/für/para/per 90 mm and/et/y/und/e 110 mm primary/primaire/primario/Primärrohr/primário/primario

N.B.: Please contact NUPI INDUSTRIE ITALIANE for non-standard lengths and delivery time.  
 S'il vous plait contactez NUPI INDUSTRIE ITALIANE pour longueurs hors standard et temps de livraison.  
 Les rogamos que contacten NUPI INDUSTRIE ITALIANE para longitudes no estándar y tiempo de entrega.  
 Treten Sie bitte mit NUPI INDUSTRIE ITALIANE für Nicht-Standard Längen und Lieferzeit.  
 Para comprimentos fora do padrão e prazos de entrega favor contactar a NUPI INDUSTRIE ITALIANE.  
 Contattare NUPI INDUSTRIE ITALIANE per lunghezze fuori standard e relativi tempi di consegna.



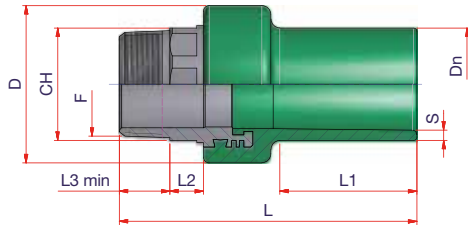
COUDE DOUBLE PAROI À 90° (URÉE)  
 CODO DE 90° DOBLE PARED (UREA)  
 DOPPELWANDIGER 90°-KRÜMMER (UREA)  
 COTOVELO DE PAREDE DUPLA 90° (UREIA)  
 CURVA A 90° DOPPIA PARETE (UREA)

### DOUBLE WALL BEND 90° - UREA (SGBDU)

Code	ø	Dn1	Dn2	S1	S2	L1	L	Notes
19SGBDU32	32	32	40	3.4	2.4	200	421.5	



## ADBLUE / DEF / UREA SYSTEM

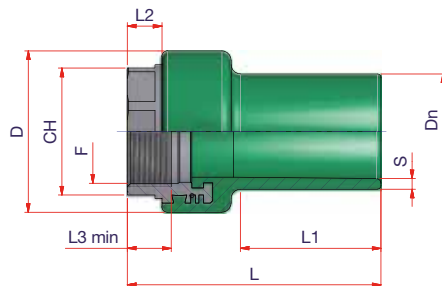


ADAPTATEUR MÂLE SIMPLE PARI FILÉT INOX (AISI 304)  
 ADAPTADOR MACHO SIMPLE PARED ROSCA INOX (AISI 304)  
 EINWANDIGER ADAPTER MIT AUSSENGEWINDE AUS ROSTFREIEM STAHL (AISI 304)  
 ADAPTADOR MACHO DE PAREDE SIMPLES, ROSCA INOX (AISI 304)  
 ADATTATORE MASCHIO SINGOLA PARETE CON INSERTO INOX (AISI 304)

### ADAPTER MALE STAINLESS STEEL - AISI 304 (SAM\_SS)

Code	ø	Dn	F	S	D	L	L1	L2	L3 min	CH	Notes
19SAM321SS	32 x 1"	32	1"	3	50	110	48	14	16.8	34	
19SAM50112SS	50 x 1 1/2"	50	1 1/2"	4.6	70	133	62	14	19.1	50	
19SAM63112SS	63 x 1 1/2"	63	1 1/2"	5.8	70	140	71	14	19.1	50	BSP thread/filet BSP/ rosca BSP/BSP-Gewinde/ rosca BSP/filettatura BSP
19SAM632SS	63 x 2"	63	2"	5.8	83	147	69	18	23.4	60	
19SAM903SS	90 x 3"	90	3"	8.2	118	181	87	23	29.8	90	
19SAM1104SS	110 x 4"	110	4"	10	152	203	82	31	35.8	115	

for special applications (Adblue) / also available with NPT thread - pour applications spéciales (Adblue) / disponibles aussi avec filet NPT - para aplicaciones especiales (Adblue) / disponibles también con rosca NPT - für Spezialanwendungen (Adblue) / verfügbar auch mit NPT-Gewinde - para aplicações especiais (Adblue) / disponíveis também com rosca NPT - per applicazioni speciali (Adblue) / disponibili anche con filettatura NPT



ADAPTATEUR FEMELLE SIMPLE PARI FILÉT INOX (AISI 304)  
 ADAPTADOR HEMBRA SIMPLE PARED ROSCA INOX (AISI 304)  
 EINWANDIGER ADAPTER MIT INNENGEWINDE AUS ROSTFREIEM STAHL (AISI 304)  
 ADAPTADOR FÊMEA DE PAREDE SIMPLES, ROSCA INOX (AISI 304)  
 ADATTATORE FEMMINA SINGOLA PARETE CON INSERTO INOX (AISI 304)

### ADAPTER FEMALE STAINLESS STEEL - AISI 304 (SAF\_SS)

Code	ø	Dn	F	S	D	L	L1	L2	L3 min	CH	Notes
19SAF321SS	32 x 1"	32	1"	3	50	91	48	15	19	38	
19SAF50112SS	50 x 1 1/2"	50	1 1/2"	4.6	70	110	62	15	19	55	
19SAF502SS(*)	50 x 2"	50	2"	4.6	84	115	62	20	23.7	65	BSP thread/filet BSP/ rosca BSP/BSP-Gewinde/ rosca BSP/filettatura BSP
19SAF63112SS(*)	63 x 1 1/2"	63	1 1/2"	5.8	70	118	69	15	19	55	
19SAF632SS	63 x 2"	63	2"	5.8	84	122	69	20	23.7	65	
19SAF903SS	90 x 3"	90	3"	8.2	119	153	87	24	33.3	95	
19SAF1104SS	110 x 4"	110	4"	10	152	166	82	31	39.3	120	

for special applications (Adblue) / also available with NPT thread - pour applications spéciales (Adblue) / disponibles aussi avec filet NPT - para aplicaciones especiales (Adblue) / disponibles también con rosca NPT - für Spezialanwendungen (Adblue) / verfügbar auch mit NPT-Gewinde - para aplicações especiais (Adblue) / disponíveis também com rosca NPT - per applicazioni speciali (Adblue) / disponibili anche con filettatura NPT

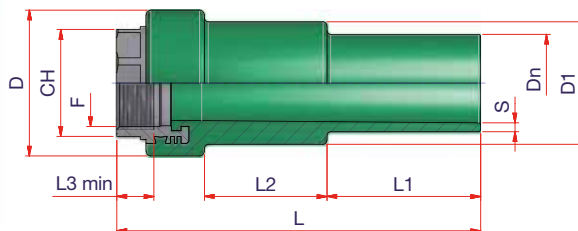
(\*) available upon request - disponible sur demande - disponible a pedido - verfügbar auf Anfrage - disponível sob encomenda - disponibile su richiesta



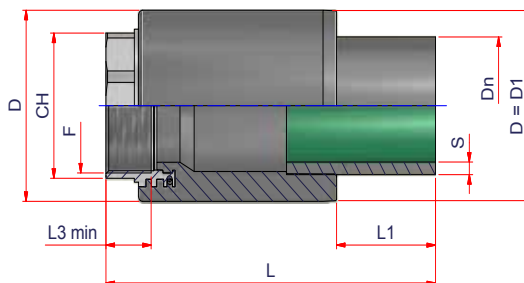
# ADBLUE / DEF / UREA SYSTEM



(1)



(2)



ADAPTATEUR FEMELLE DOUBLE PARI POUR SYSTÈME COAXIAL FILÉT INOX (AISI 304)

ADAPTADOR HEMBRA DOBLE PARED PARA EL SISTEMA COAXIAL ROSCA INOX (AISI 304)

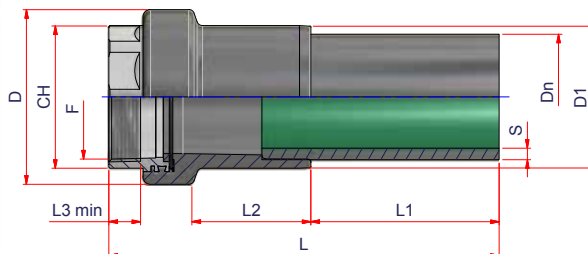
DOPPELWANDIGER ADAPTER FÜR KOAXIALSYSTEM MIT INNENGEWINDE AUS ROSTFREIEM STAHL (AISI 304)

ADAPTADOR FÊMEA DE PAREDE DUPLA PARA CONEXÕES COAXIAIS ROSCA INOX (AISI 304)

ADATTATORE FEMMINA DOPPIA PARETE PER SISTEMA COASSIALE INSERTO INOX (AISI 304)



(3)



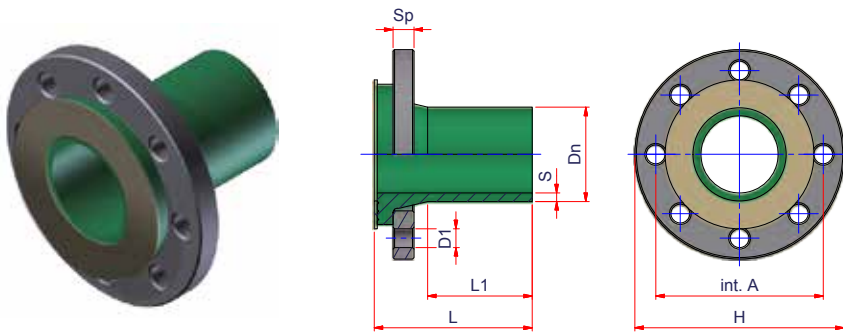
## ADAPTER FEMALE FOR COAXIAL FITTINGS STAINLESS STEEL - AISI 304 (SAWFD\_SS)

Code	ø	Dn	F	D1	D	S	L	L1	L2	L3 min	CH	Notes
19SAWFD50112SS	50 x 1 1/2"	50	1 1/2"	63	75	4.6	187	79	63	19	55	
19SAWFD63112SS	63 x 1 1/2"	63	1 1/2"	75	75	5.8	205	90	70	19	55	
19SAWFD632SS	63 x 2"	63	2"	75	90	5.8	210	90	70	23.7	65	BSP thread/filet BSP/ rosca BSP/BSP-Gewinde/ rosca BSP/filettatura BSP
19SAWFD903SS	90 x 3"	90	3"	125	125	8.2	243	73	-	33.3	95	
19SAWFD1104SS	110 x 4"	110	4"	125	153	10	342	165	92	39.3	120	

for special applications (Adblue) - pour applications speciaux (Adblue) - para aplicaciones especiales (Adblue) - für Spezialanwendungen (Adblue) - para aplicações especiais (Adblue) - per applicazioni speciali (Adblue)



## ADBLUE / DEF / UREA SYSTEM

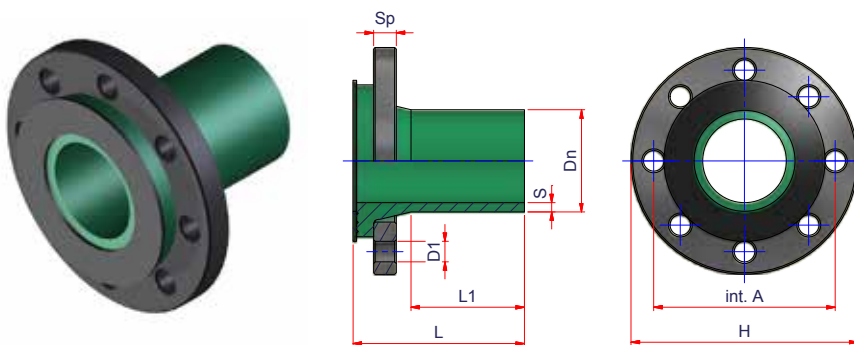


KIT BRIDE – BRIDE INOX (AISI 304) ET JOINT EN VITON  
 KIT BRIDA – BRIDA INOX (AISI 304) Y JUNTA DE VITON  
 FLANSCH-KIT - FLANSCH AUS ROSTFREIEM STAHL (AISI 304) UND VITON-DICHTUNG  
 KIT FLANGE - FLANGE INOX (AISI 304) E JUNTA EM VITON  
 KIT FLANGIA – FLANGIA INOX (AISI 304) E GUARNIZIONE IN VITON

### LOOSE FLANGE KIT – STAINLESS STEEL FLANGE - AISI 304 - VITON GASKET (SFLAK\_SSV)

Code	∅	Dn	S	L	L1	Sp	H	Int. A	D1	Holes (no.)	Notes
19SFLAK32SSV	32	32	3	78	45	10	115	85	14	4	
19SFLAK40SSV	40	40	3.7	95	63	12	140	100	18	4	
19SFLAK50SSV	50	50	4.6	96	65	12	150	110	18	4	
19SFLAK63SSV	63	63	5.8	116	75	12	165	125	18	4	
19SFLAK90SSV	90	90	8.2	154.5	100	13	200	160	18	8	
19SFLAK110SSV	110	110	10	150	98.5	13	220	180	18	8	
19SFLAK160SSV <span style="background-color: yellow;">NEW</span>	160	160	14.6	180	105	13	285	240	22	8	UNI-DIN flange bride UNI-DIN brida UNI-DIN UNI-DIN-Flansch flange UNI-DIN flangia UNI-DIN

bolts, nuts and washers not included - boulons, écrous et plaquettes non inclus - pernos, arandelas y tuercas no incluidos - ohne Bolzen, Muttern und Scheiben - parafusos, porcas e arruelas não incluídos - dadi, bulloni e rondelle non inclusi



KIT BRIDE - BRIDE EN ACIER RECOUVERTE DE PP AVEC JOINT EN VITON  
 KIT BRIDA - BRIDA DE ACERO CUBIERTA DE PP CON JUNTA DE VITON  
 FLANSCH-KIT - FLANSCH AUS ROSTFREIEM STAHL MIT PP-BESCHICHTUNG UND VITON-DICHTUNG  
 KIT FLANGE - FLANGE EM AÇO REVESTIDO COM PP E JUNTA EM VITON  
 KIT FLANGIA - FLANGIA IN ACCIAIO RICOPERTA IN PP E GUARNIZIONE IN VITON

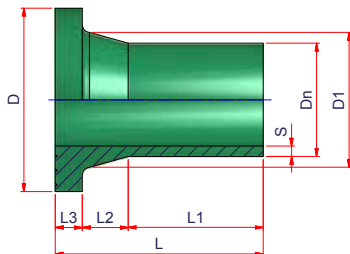
### LOOSE FLANGE KIT - STEEL FLANGE COATED IN PP - VITON GASKET (SFLAK\_PP)

Code	∅	Dn	S	L	L1	Sp	H	Int. A	D1	Holes (no.)	Notes
19SFLAK32PP	32	32	3	78	45	17	122	85	14	4	
19SFLAK50PP	50	50	4.6	96	65	19	156	110	18	4	
19SFLAK63PP	63	63	5.8	116	75	20	171	125	18	4	
19SFLAK90PP	90	90	8.2	154,5	100	21	206	160	18	8	
19SFLAK110PP	110	110	10	150	98,5	22	226	180	18	8	
19SFLAK160PP	160	160	14.6	180	105	28	296	240	22	8	

bolts, nuts and washers not included - boulons, écrous et plaquettes non inclus - pernos, arandelas y tuercas no incluidos - ohne Bolzen, Muttern und Scheiben - parafusos, porcas e arruelas não incluídos - dadi, bulloni e rondelle non inclusi



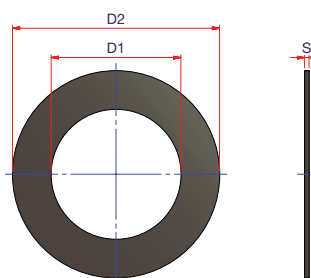
## ADBLUE / DEF / UREA SYSTEM



PIÈCES DE RECHANGE - COLLET  
 REPUESTOS - CASQUILLO  
 ERSATZTEILE - STUTZEN  
 PEÇAS DE REPOSIÇÃO - COLARINHO  
 PARTI DI RICAMBIO - CARTELLA

### LOOSE FLANGE - SPARE PARTS - STUB END (SCART)

Code	∅	Dn	D1	D	S	L	L1	L2	L3	Notes
19SCART32	32	32	40	68	3	78	45	23	10	
19SCART40	40	40	50	78	3.7	95	63	21	11	
19SCART50	50	50	61	88	4.6	96	65	19	12	
19SCART63	63	63	75	102	4.8	116	75	26	14	
19SCART90	90	90	105	138	8.2	154.5	100	37.5	17	
19SCART110	110	110	125	158	10	150	98.5	33.5	18	
19SCART160	160	160	175	212	14.6	180	105	50	25	



PIÈCES DE RECHANGE - JOINT EN VITON  
 REPUESTOS - JUNTA DE VITON  
 ERSATZTEILE - VITON-DICHTUNG  
 PEÇAS DE REPOSIÇÃO - JUNTA EM VITON  
 PARTI DI RICAMBIO - GUARNIZIONE IN VITON

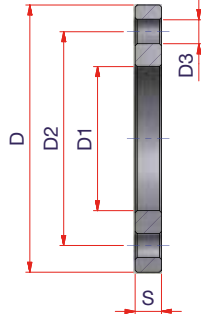
### LOOSE FLANGE - SPARE PARTS - VITON GASKET (SGUAV)

Code	∅	D1	D2	S	Notes
39SGUAV32	32	30	71	3	
39SGUAV40	40	-	-	3	
39SGUAV50	50	45	92	3	
39SGUAV63	63	60	107	3	
39SGUAV90	90	89	142	3	
39SGUAV110	110	110	162	3	
39SGUAV160	160	134	212	4	





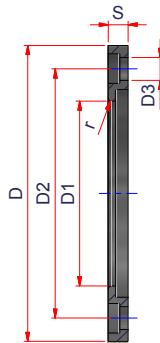
## ADBLUE / DEF / UREA SYSTEM



PIÈCES DE RECHANGE – BRIDE INOX (AISI 304)  
 REPUESTOS – BRIDA INOX (AISI 304)  
 ERSATZTEILE – FLANSCH AUS ROSTFREIEM STAHL (AISI 304)  
 PEÇAS DE REPOSIÇÃO – FLANGE INOX (AISI 304)  
 PARTI DI RICAMBIO – FLANGIA INOX (AISI 304)

### LOOSE FLANGE - SPARE PARTS – STAINLESS STEEL FLANGE AISI 304 (SFLA\_SS)

Code	ø	Pn	Dn (PE)	Dn	D	S	D1	D2	D3	Holes (no.)	Screws (type)	Notes
19SFLA32SS	32	16	32	25	115	10	42	85	14	4	M16	UNI-DIN flange brida UNI-DIN brida UNI-DIN UNI-DIN-Flansch flange UNI-DIN flangia UNI-DIN
19SFLA40SS	40	16	40	32	140	12	51	100	18	4	M16	
19SFLA50SS	50	16	50	40	150	12	62	110	18	4	M16	
19SFLA63SS	63	16	63	50	165	12	78	125	18	4	M16	
19SFLA90SS	90	16	90	80	200	13	109	160	18	8	M16	
19SFLA110SS	110	16	110	100	220	13	130	130	18	8	M16	
19SFLA160SS	160	16	160	150	285	13	182	240	22	8	M16	



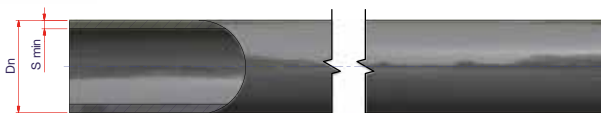
BRIDE EN FONTE RECOUVERTE DE POLYPROPYLENE  
 BRIDA DE FUNDICIÓN RECUBIERTA DE POLIPROPILENO  
 MIT POLYPROPYLEN BESCHICHTETER GUSSEISENFLANSCH  
 FLANGE EM FERRO FUNDIDO REVESTIDO COM POLIPROPILENO  
 FLANGIA IN GHISA RICOPERTA DI POLIPROPILENE

### POLYPROPYLENE COATED CAST IRON FLANGE (FLAACPP)

Code	ø	Pn	dn(PE)	Dn	D	D1	D2	S	r	D3	Holes (no.)	Screws (type)	Notes
00FLAACPP032	32	10-16	32	25	122	42	85	17	3	14	4	M12	
00FLAACPP050	50	10-16	50	40	156	62	110	19	3	18	4	M16	
00FLAACPP063	63	10-16	63	50	171	78	125	20	3	18	4	M16	
00FLAACPP090	90	10-16	90	80	206	108	160	21	3	18	8	M16	
00FLAACPP110	110	10-16	110	100	226	128	180	22	3	18	8	M16	
00FLAACPP160	160	10-16	160	150	296	178	240	28	3	22	8	M20	



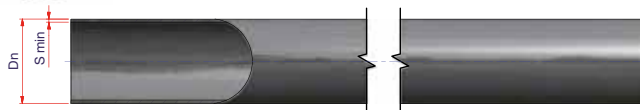
## SECONDARY SYSTEM



TUYAUTERIE SECONDAIRE CONFORME EN 14125 - BARRES  
 TUBERÍA SECUNDARIA EN CONFORMIDAD CON EN 14125 - BARRAS  
 MANTELROHRSYSTEM - MIT ZERTIFIKAT EN 14125 - STANGEN  
 TUBO DE CONTENÇÃO SECUNDÁRIO EM CONFORMIDADE COM EN 14125 - BARRAS  
 TUBO DI CONTENIMENTO SECONDARIO IN CONFORMITÀ ALLA NORMA EN 14125 - BARRE

### EN 14125 LISTED SECONDARY CONTAINMENT PIPE - STRAIGHT LENGTHS/STICKS (TSMAS)

Code	ø	Package (m)	Dn	S min	Weight kg/m	Notes
19TSMAS63B6	63	4x5.8	63	2.5	0.53	for/pour/para/für/para/per 50 mm primary/ primaire/primario/Primärrohr/primário/ primario
19TSMAS75B6	75	3x5.8	75	2.9	0.71	for/pour/para/für/para/per 90 mm and/et/y/ und/e 110 mm primary/primaire/primario/ Primärrohr/primário/primario
19TSMAS125B6	125	1x5.8	125	4.8	1.95	for/pour/para/für/para/per 90 mm and/et/y/ und/e 110 mm primary/primaire/primario/ Primärrohr/primário/primario
19TSMAS225B6	225	1x5.8	225	8.6	6.24	for/pour/para/für/para/per 160 mm primary/ primaire/primario/Primärrohr/primário/ primario



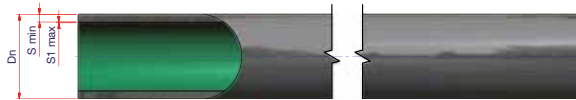
TUYAUTERIE SECONDAIRE CONFORME IP ET KIWA - BARRES  
 TUBERÍA SECUNDARIAI EN CONFORMIDAD CON IP Y KIWA - BARRAS  
 MANTELROHRSYSTEM - MIT ZERTIFIKAT IP UND KIWA - STANGEN  
 TUBO DE CONTENÇÃO SECUNDÁRIO EM CONFORMIDADE COM IP E KIWA - BARRAS  
 TUBO DI CONTENIMENTO SECONDARIO IN ACCORDO CON IP E KIWA - BARRE

### IP & KIWA LISTED SECONDARY CONTAINMENT PIPE - STRAIGHT LENGTHS/STICKS (TSMAS)

Code	ø	Package (m)	Dn	S min	Weight kg/m	Notes
19TSMAS63B6	63	4x5.8	63	2.5	0.53	for/pour/para/für/para/per 50 mm primary/ primaire/primario/Primärrohr/primário/ primario
19TSMAS75B6	75	3x5.8	75	2.9	0.71	for/pour/para/für/para/per 63 mm primary/ primaire/primario/Primärrohr/primário/ primario
19TSMAS125B6	125	1x5.8	125	4.8	1.95	for/pour/para/für/para/per 90 mm and/et/y/ und/e 110 mm primary/primaire/primario/ Primärrohr/primário/primario
19TSMAS225B6	225	1x5.8	225	8.6	6.24	for/pour/para/für/para/per 160 mm primary/ primaire/primario/Primärrohr/primário/ primario



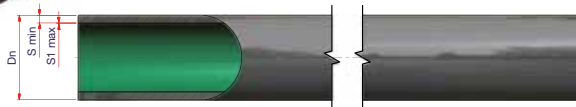
## SECONDARY SYSTEM



TUYAUTERIE SECONDAIRE CONFORME UL 971 - BARRES  
 TUBERÍA SECUNDARIA EN CONFORMIDAD CON UL 971 - BARRAS  
 MANTELROHRSYSTEM - MIT ZERTIFIKAT UL 971 - STANGEN  
 TUBO DE CONTENÇÃO SECUNDÁRIO EM CONFORMIDADE COM UL 971 - BARRAS  
 TUBO DI CONTENIMENTO SECONDARIO IN CONFORMITÀ ALLA NORMA UL 971 - BARRE

### UL 971 LISTED SECONDARY CONTAINMENT PIPE - STRAIGHT LENGTHS/STICKS (TSMAXS)

Code	ø	Package (m)	Dn	S min	S1 max	Weight kg/m	Notes
19TSMAXS63B6	63	4x5.8	63	2.5	0.5	0.64	for/pour/para/für/para/per 50 mm primary/ primaire/primario/Primärrohr/primário/ primario
19TSMAXS75B6	75	3x5.8	75	2.9	0.5	0.84	for/pour/para/für/para/per 63 mm primary/ primaire/primario/Primärrohr/primário/ primario
19TSMAXS125B6	125	1x5.8	125	4.8	0.5	2.17	for/pour/para/für/para/per 90 mm and/et/y/ und/e 110 mm primary/primaire/primario/ Primärrohr/primário/primario



TUYAUTERIE SECONDAIRE POUR RÉCUPÉRATION DE VAPEURS ET EVENT CONFORME UL 971 - BARRES  
 TUBERÍA SECUNDARIA PARA RECUPERACIÓN DE VAPORES Y VENTEO EN CONFORMIDAD CON UL 971 - BARRAS  
 MANTELROHRSYSTEM FÜR GASPENDELUNG UND ENTLÜFTUNG - MIT ZERTIFIKAT UL 971 - STANGEN  
 TUBO DE CONTENÇÃO SECUNDÁRIO PARA LINHA DE VAPOR E RESPIRO EM CONFORMIDADE COM UL 971 - BARRAS  
 TUBO DI CONTENIMENTO SECONDARIO PER RECUPERO VAPORI E LINEE DI EQUILIBRIO IN CONFORMITÀ ALLA NORMA UL 971 - BARRE

### UL 971 LISTED SECONDARY CONTAINMENT VAPOR / VENT PIPE - STRAIGHT LENGTHS/STICKS (TSMAXS)

Code	ø	Package (m)	Dn	S min	S1 max	Weight kg/m	Notes
19TSMAXS63B6	63	4x5.8	63	2.5	0.5	0.64	for/pour/para/für/para/per 50 mm primary/ primaire/primario/Primärrohr/primário/ primario
19TSMAXS75B6	75	3x5.8	75	2.9	0.5	0.84	for/pour/para/für/para/per 63 mm primary/ primaire/primario/Primärrohr/primário/ primario
19TSMAXS125B6	125	1x5.8	125	4.8	0.5	2.17	for/pour/para/für/para/per 90 mm and/et/y/ und/e 110 mm primary/primaire/primario/ Primärrohr/primário/primario



## SECONDARY SYSTEM

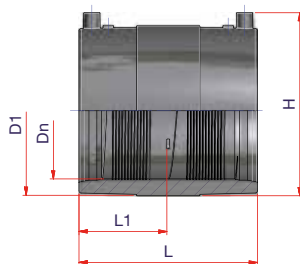


TUYAUTERIE SECONDAIRE POUR ADBLUE/URÉE - BARRES  
 TUBERÍA SECUNDARIA PARA ADBLUE/UREA - BARRAS  
 MANTELROHRSYSTEM FÜR ADBLUE/UREA - STANGEN  
 TUBO DE CONTENÇÃO SECUNDÁRIO PARA ADBLUE/UREIA - BARRAS  
 TUBO DI CONTENIMENTO SECONDARIO PER ADBLUE/UREA - BARRE

### ADBLUE/DEF/UREA SECONDARY CONTAINMENT PIPE - STRAIGHT LENGTHS/STICKS (TSMASUREA)

Code	ø	Package (m)	Dn	S min	S1 min	Weight kg/m	Notes
19TSMASUREA40B6	40	4x5.8	40	2.7	1	0.30	for/pour/para/für/para/per 32 mm primary/ primaire/primario/Primärrohr/primário/ primario
19TSMASUREA63B6	63	4x5.8	63	2.5	1	0.53	for/pour/para/für/para/per 50 mm primary/ primaire/primario/Primärrohr/primário/ primario
19TSMASUREA75B6	75	3x5.8	75	2.9	1	0.71	for/pour/para/für/para/per 63 mm primary/ primaire/primario/Primärrohr/primário/ primario
19TSMASUREA125B6	125	1x5.8	125	4.8	1	1.95	for/pour/para/für/para/per 90 mm and/et/y/ und/e 110 mm primary/primaire/primario/ Primärrohr/primário/primario

N.B.: Please contact NUPI INDUSTRIE ITALIANE for non-standard lengths and delivery time.  
 S'il vous plait contactez NUPI INDUSTRIE ITALIANE pour longueurs hors standard et temps de livraison.  
 Les rogamos que contacten NUPI INDUSTRIE ITALIANE para longitudes no estándar y tiempo de entrega.  
 Treten Sie bitte mit NUPI INDUSTRIE ITALIANE für Nicht-Standard Längen und Lieferzeit.  
 Para comprimentos fora do padrão e prazos de entrega favor contactar a NUPI INDUSTRIE ITALIANE.  
 Contattare NUPI INDUSTRIE ITALIANE per lunghezze fuori standard e relativi tempi di consegna.



MANCHON POUR TUYAU SECONDAIRE ELECTROSOUDEBLE  
 MANGUITO PARA TUBERÍA SECUNDARIA ELECTROSOLDABLE  
 ELEKTROSCHWEISSBARE MUFFE FÜR MANTELROHRSYSTEM  
 UNIÃO PARA TUBO DE CONTENÇÃO SECUNDÁRIO ELECTROSODÁVEL  
 MANICOTTO PER TUBO SECONDARIO ELETTRISALDABILE

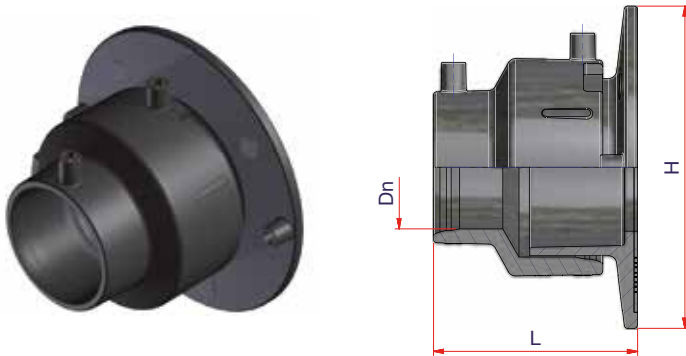
### SECONDARY CONTAINMENT COUPLER - ELECTROFUSION (SMES)

Code	ø	Dn	D1	L1	L	H	Notes
19SMES75 (*)	75	75	98	61	125	114	
19SMES125	125	125	156	82	166	168	
19SMES160	160	160	191	87	175	201	
19SMES225 (*)	225	225	272	104	212	274	

(\*) available upon request - disponible sur demande - disponibile a pedido - verfügbar auf Anfrage - disponível sob encomenda - disponibile su richiesta



## ENTRY BOOTS / PENETRATION FITTINGS

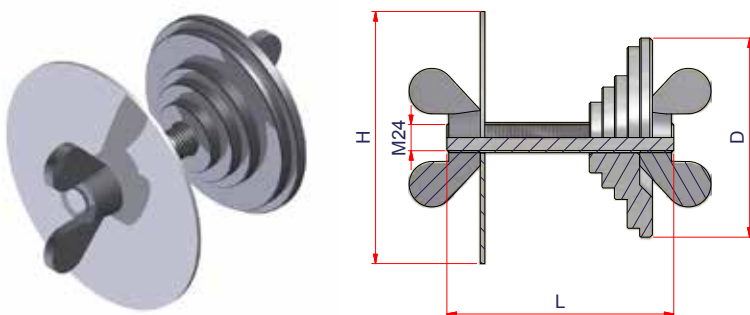


PRESSE-ÉTOUPE ELECTROSOUDEABLE POUR  
SYSTÈME SP/DP  
PASA MUROS ELECTROSOLDABLES PARA SISTEMA SP/DP  
ELEKTROSCHWEISSBARE ROHRDURCHFÜHRUNG FÜR EIN- UND  
DOPPELWANDIGES ROHRSYSTEM  
PREME ESTOPA ELECTROSOLDÁVEL PARA SISTEMA DE PS/PD  
PREMI-STOPPA ELETTRISALDABILE PER SISTEMA SP/DP

### PENETRATION FITTING FOR SW-DW SYSTEM - ELECTROFUSION (SEBE)

Code	ø	Dn	L	H	Notes
19SEBE32	32	32	150	170	for SW pipe Ø32mm/pour tuyau SE Ø32mm/para tubo SP Ø32mm/ für EW Rohr Ø32mm/para tubo de PS Ø32mm/per tubo SP Ø32mm
19SEBE50	50	50	148.5	170	for SW pipe Ø50mm/pour tuyau SE Ø50mm/para tubo SP Ø50mm/ für EW Rohr Ø50mm/para tubo de PS Ø50mm/per tubo SP Ø50mm
19SEBE63	63	63	112	200	for SW pipe Ø63mm/pour tuyau SE Ø63mm/para tubo SP Ø63mm/ für EW Rohr Ø63mm/para tubo de PS Ø63mm/per tubo SP Ø63mm/ for DW pipe Ø 50mm/pour tuyau DE Ø50mm/para tubo DP Ø50mm/ für DW Rohr Ø50mm/para tubo de PD Ø50mm/per tubo DP Ø50mm
19SEBE75	75	75	126,5	200	for DW pipe Ø63mm/pour tuyau DE Ø63mm/para tubo DP Ø63mm/ für DW Rohr Ø63mm/para tubo de PD Ø63mm/per tubo DP Ø63mm
19SEBE90	90	90	200	235	for SW pipe Ø90mm/pour tuyau SE Ø90mm/para tubo SP Ø90mm/ für EW Rohr Ø90mm/para tubo de PS Ø90mm/per tubo SP Ø90mm
19SEBE110	110	110	205	235	for SW pipe Ø110mm/pour tuyau SE Ø110mm/para tubo SP Ø110mm/für EW Rohr Ø110mm/para tubo de PS Ø110mm/per tubo SP Ø110mm
19SEBE125	125	125	208	235	for DW pipe with secondary pipe Ø125mm/pour tuyau DE avec secondaire Ø125mm/para tubo DP con secundario Ø125mm/für DW Rohr mit Mantelrohr Ø125mm/para tubo de PD con secundário Ø125mm/per tubo DP con secundario Ø125mm

- use the SEBECOMT for a correct installation - utiliser le SEBECOMT pour installer correctement - utilizar el SEBECOMT para instalar de manera correcta - das SEBECOMT  
benutzen für eine korrekte Anlage - para uma correcta instalação utilizar o SEBECOMT - utilizzare il SEBECOMT per installare correttamente



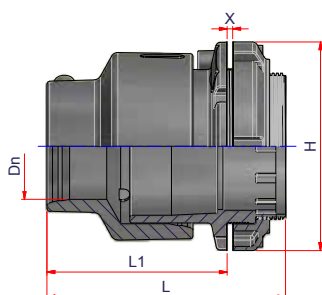
OUTIL DE COMPRESSION POUR PRESSE-ÉTOUPES ELECTROSOUDEABLES  
DISPOSITIVO DE COMPRESIÓN PARA PASA MUROS ELECTROSOLDABLES  
INSTALLATIONSWERKZEUG FÜR ELEKTROSCHWEISSBARE  
ROHRDURCHFÜHRUNGEN  
DISPOSITIVO DE INSTALAÇÃO PARA PREME ESTOPAS  
ELECTROSOLDÁVEIS  
UTENSILE DI COMPRESSIONE PER PREMI-STOPPA ELETTRISALDABILI

### INSTALLATION TOOL FOR ELECTROFUSION PENETRATION FITTING (SEBECOMT)

Code	L	D	H	Notes
19SEBECOMT	180	158	200	



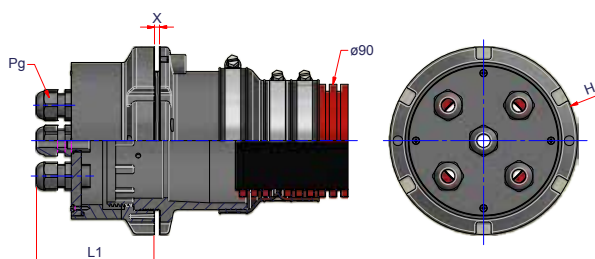
## ENTRY BOOTS / PENETRATION FITTINGS



PRESSE-ÉTOUPE MECANIQUE ELECTROSOUDABLE  
 PASA MUROS MECÁNICO ELECTROSOLDABLE  
 MECHANISCHE ELEKTROSCHWEISSBARE  
 ROHRDURCHFÜHRUNG  
 PREME ESTOPA MECÂNICO ELECTROSOLDÁVEL  
 PREMI-STOPPA MECCANICO ELETTRISALDABILE

### MECHANICAL ELECTROFUSION ENTRY BOOT (SEBEP)

Code	ø	Dn	L1	L	X	H	Notes
19SEBEP32	32	32	122	153	5 ÷ 16	105	use 19STAZ79 + 00CHIAVE63
19SEBEP40	40	40	128.5	170.5	5 ÷ 16	105	use 19STAZ79 + 00CHIAVE63
19SEBEP63	63	63	114	159.5	4 ÷ 16	150	use 19STAZ111 + 00CHIAVE90
19SEBEP75	75	75	130	175.5	4 ÷ 16	150	use 19STAZ111 + 00CHIAVE90
19SEBEP90	90	90	228	270	4 ÷ 16	210	use 19STAZ152 + 00CHIAVE110
19SEBEP110	110	110	232	274	4 ÷ 16	210	use 19STAZ152 + 00CHIAVE110
19SEBEP125	125	125	235	277	4 ÷ 16	210	use 19STAZ152 + 00CHIAVE110



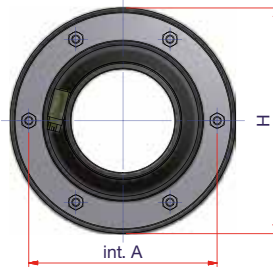
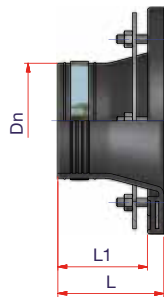
PRESSE-ÉTOUPE MECANIQUE - ELECTROSOUDABLE POUR  
 CABLES/TUBES  
 PASA-MUROS MECANICO - ELECTROSOLDABLE PARA  
 CABLES/TUBOS  
 MECHANISCHE ELEKTROSCHWEISSBARE  
 ROHRDURCHFÜHRUNG FÜR KABEL/ROHRE  
 PREME ESTOPA MECÂNICO ELECTROSOLDÁVEL PARA  
 CABOS/TUBOS  
 CUFFIA PASSACAVI ELETTRISALDABILE PER CAVI/TUBI

### MECHANICAL ELECTROFUSION ENTRY BOOT FOR CABLES/PIPES (SEBEPC)

Code	Dn	L1	X	H	Pg	n° Pg	Notes
19SEBEPC110129	110	94	4 ÷ 15	150	29	1	for 1 pipe ø 25/pour 1 tube ø 25 para 1 tubo ø 25/für 1 Rohr ø 25 para 1 tubo ø 25/per 1 tubo ø 25
19SEBEPC110229	110	94	4 ÷ 15	150	29	2	for 2 pipes ø 25/pour 2 tubes ø 25 para 2 tubos ø 25/für 2 Rohre ø 25 para 2 tubos ø 25/per 2 tubi ø 25
19SEBEPC110511	110	94	4 ÷ 15	150	11	5	for 5 cables/pour 5 cables para 5 cables/für 5 Kabel para 5 cabos/per 5 cavi



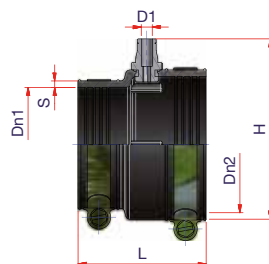
## ENTRY BOOTS / PENETRATION FITTINGS



PRESSE-ÉTOUPE POUR SYSTÈME SP/DP  
 PASA-MUROS PARA SISTEMA SP/DP  
 ROHRDURCHFÜHRUNG FÜR EIN- UND DOPPELWANDIGES  
 ROHRSYSTEM  
 PREME ESTOPA PARA SISTEMA DE PS/PD  
 PREMI-STOPPA PER SISTEMA SP/DP

### ENTRY BOOT FOR SW - DW SYSTEM (SEB)

Code	ø	Dn	L1	L	H	int. A	Notes
19SEB32	32	32	43.5	55	128	101.5	for SW pipe Ø32mm/pour tuyau SE Ø32mm/para tubo SP Ø32mm/für EW Rohr Ø32mm/para tubo de PS Ø32mm/per tubo SP Ø32mm
19SEB40	40	40	43.5	55	128	101.5	for DW pipe Ø3240mm/pour tuyau DE Ø3240mm/para tubo DP Ø3240mm/für DW Rohr Ø3240mm/para tubo de PD Ø3240mm/per tubo DP Ø3240mm
19SEB50	50	50	63.5	75	160	133.5	for SW pipe Ø50mm/pour tuyau SE Ø50mm/para tubo SP Ø50mm/für EW Rohr Ø50mm/para tubo de PS Ø50mm/per tubo SP Ø50mm
19SEB63	63	63	63.5	75	160	133.5	for SW pipe Ø63mm and DW pipe Ø 50mm/pour tuyau SE Ø63mm et DE Ø50mm/para tubo SP Ø63mm y DP Ø50mm/für EW Rohr Ø63mm und DW Rohr Ø50mm/para tubo de PS Ø63mm e de PD Ø50mm/per tubo SP Ø63mm e DP Ø50mm
19SEB75	75	75	63.5	75	160	133.5	for DW pipe Ø63mm/pour tuyau DE Ø63mm/para tubo DP Ø63mm/für DW Rohr Ø63mm/para tubo de PD Ø63mm/per tubo DP Ø63mm
19SEB90	90	90	63.5	75	160	133.5	for SW pipe Ø90mm/pour tuyau SE Ø90mm/para tubo SP Ø90mm/für EW Rohr Ø90mm/para tubo de PS Ø90mm/per tubo SP Ø90mm
19SEB110	110	110	63.5	75	205	178	for SW pipe Ø110mm/pour tuyau SE Ø110mm/para tubo SP Ø110mm/für EW Rohr Ø110mm/para tubo de PS Ø110mm/per tubo SP Ø110mm
19SEB125	125	125	63.5	75	205	178	for DW pipe with secondary pipe Ø125mm/pour tuyau DE avec sec. Ø125mm/para tubo DP con sec. Ø125mm/für DW Rohr mit Mantelrohr Ø125mm/para tubo de PD con sec. Ø125mm/per tubo DP con sec. Ø125mm



RACCORD TERMINAL REDUIT EN CAOUTCHOUC POUR  
 ESSAI DE PRESSION  
 RACOR TERMINAL REDUCIDO DE GOMA PARA PRUEBA DE  
 PRESIÓN  
 REDUZIERTES GUMMI-END-FITTING FÜR DRUCKTEST  
 TERMINAL DE REDUÇÃO EM BORRACHA PARA TESTE  
 SOB PRESSÃO  
 TERMINALE RIDOTTO IN GOMMA PER TEST IN PRESSIONE

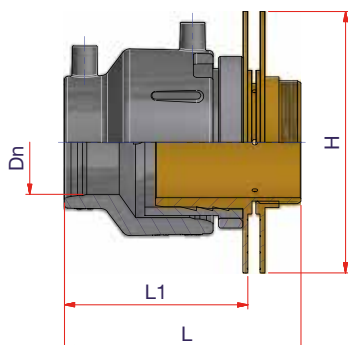
### REDUCING RUBBER TEST BOOT (SRTFV)

Code	ø	Dn1	Dn2	S	D1	L	H	Notes
19SRTFV50	50	50	63	4.5	6	70	87.5	
19SRTFV63	63	63	75	5.5	6	70	102.5	





## ENTRY BOOTS / PENETRATION FITTINGS



PRESSE-ÉTOUPE POUR CHAMBRE D'ACCES EN FIBRE DE VERRE SIMPLE ENVELOPPE - BRIDE DE LAITON

PASAMUROS PARA ARQUETAS DE FIBRA DE VIDRIO SIMPLE PARED - BRIDA DE LATÓN

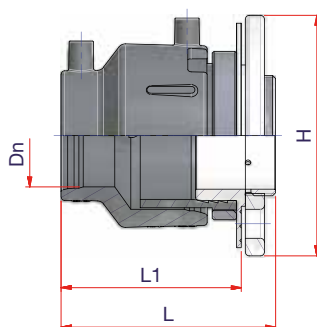
ROHRDURCHFÜHRUNG FÜR EINWANDIGE GFK-SCHÄCHTE - MESSING-FLANSCH

PREME ESTOPA PARA POÇOS DE INSPECÇÃO EM FIBRA DE VIDRO DE PAREDE SIMPLES - FLANGE DE LATÃO

PREMISTOPPA PER POZZETTI IN FIBRA VETRO SINGOLA PARETE - FLANGIA IN OTTONE

### PENETRATION FITTING FOR SW FIBERGLASS SUMPS - BRASS FLANGE (SEBEFM)

Code	ø	Dn	L1	L	H	Notes
19SEBEFM32	32	32	143	175	125	
19SEBEFM40	40	40	141	173	125	



PPRESSE-ÉTOUPE POUR CHAMBRE D'ACCES EN FIBRE DE VERRE SIMPLE ENVELOPPE - BRIDE DE ALUMINIUM

PASAMUROS PARA ARQUETAS DE FIBRA DE VIDRIO SIMPLE PARED - BRIDA DE ALUMINIO

ROHRDURCHFÜHRUNG FÜR EINWANDIGE GFK-SCHÄCHTE - ALUMINIUM-FLANSCH

PREME ESTOPA PARA POÇOS DE INSPECÇÃO EM FIBRA DE VIDRO PAREDE SIMPLES - FLANGE DE ALUMÍNIO

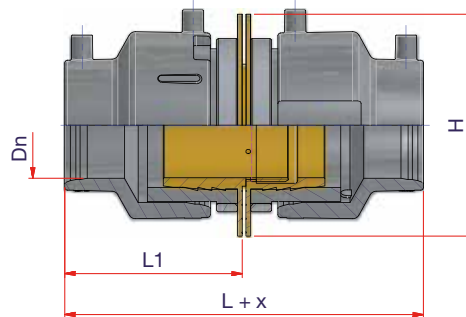
PREMISTOPPA PER POZZETTI IN FIBRA VETRO SINGOLA PARETE - FLANGIA IN ALLUMINIO

### PENETRATION FITTING FOR SW FIBERGLASS SUMPS - ALUMINIUM FLANGE (SEBEFM\_A)

Code	ø	Dn	L	L	H	Notes
19SEBEFM32A	32	32	141	162	120	
19SEBEFM40A	40	40	141.5	163	120	
19SEBEFM50A	50	50	168	200.5	160	
19SEBEFM63A	63	63	112.3	133.8	150	
19SEBEFM75A	75	75	128	149	150	
19SEBEFM90A	90	90	196.5	221	220	
19SEBEFM110A	110	110	196.5	226	220	
19SEBEFM125A	125	125	198	222.5	220	



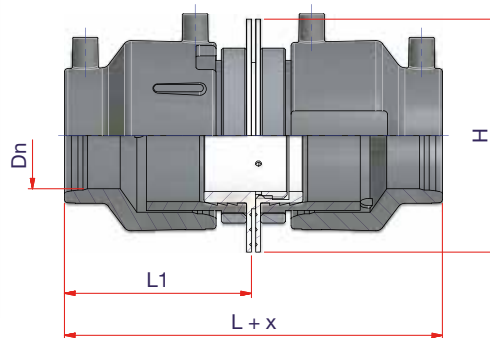
## ENTRY BOOTS / PENETRATION FITTINGS



PRESSE-ÉTOUPE POUR CHAMBRE D'ACCÈS EN FIBRE DE VERRE DOUBLE PARI - BRIDE DE LAITON  
 PASAMUROS PARA ARQUETAS DE FIBRA DE VIDRIO DOBLE PARED - BRIDA DE LATÓN  
 ROHRDURCHFÜHRUNG FÜR DOPPELWANDIGE GFK-SCHÄCHTE - MESSING-FLANSCH  
 PREME ESTOPA PARA POÇOS DE INSPECÇÃO EM FIBRA DE VIDRO DE PAREDE DUPLA - FLANGE DE LATÃO  
 PREMISTOPPA PER POZZETTI IN FIBRA VETRO DOPPIA PARETE - FLANGIA IN OTTONE

### PENETRATION FITTING FOR DW FIBERGLASS SUMPS - BRASS FLANGE (SEBEF)

Code	ø	Dn	L1	L + x	H	Notes
19SEBEF32	32	32	141.5	285 + x	120	
19SEBEF40	40	40	141.5	285,5 + x	120	



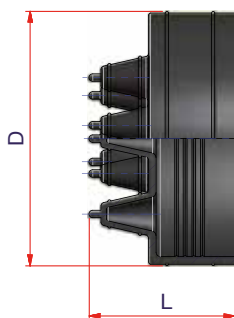
PRESSE-ÉTOUPE POUR CHAMBRE D'ACCÈS EN FIBRE DE VERRE DOUBLE PARI - BRIDE DE ALUMINIUM  
 PASAMUROS PARA ARQUETAS DE FIBRA DE VIDRIO DOBLE PARED - BRIDA DE ALUMINIO  
 ROHRDURCHFÜHRUNG FÜR DOPPELWANDIGE GFK-SCHÄCHTE - ALUMINIUM-FLANSCH  
 PREME ESTOPA PARA POÇOS DE INSPECÇÃO DE FIBRA DE VIDRO PAREDE DUPLA - FLANGE DE ALUMÍNIO  
 PREMISTOPPA PER POZZETTI IN FIBRA VETRO DOPPIA PARETE - FLANGIA IN ALLUMINIO

### PENETRATION FITTING FOR DW FIBERGLASS SUMPS - ALUMINIUM FLANGE (SEBEF\_A)

Code	ø	Dn	L1	L + x	H	Notes
19SEBEF32A	32	32	141.5	285 + x	120	
19SEBEF40A	40	40	141.5	285,5 + x	120	
19SEBEF50A	50	50	168	338.5 + x	160	
19SEBEF63A	63	63	112.5	227 + x	160	
19SEBEF75A	75	75	127.5	285 + x	160	
19SEBEF90A	90	90	196	395 + x	200	
19SEBEF110A	110	110	201	405 + x	200	
19SEBEF125A	125	125	198	398 + x	200	



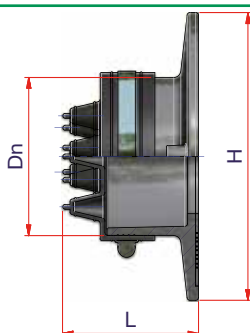
## ENTRY BOOTS / PENETRATION FITTINGS



PRESSE-ÉTOUPE EN CAOUTCHOUC POUR CABLES  
 PASA-MUROS DE GOMA PARA CABLES  
 GUMMIDURCHFÜHRUNG FÜR KABEL  
 PREME ESTOPA EM BORRACHA PARA CABOS  
 PREMISTOPPA IN GOMMA PER IL PASSAGGIO DI CAVI

### RUBBER ENTRY BOOT CABLE CAP (SCCAB)

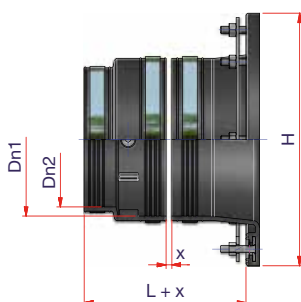
Code	ø	D	L	Notes
19SCCAB110	110	118	67.5	



PRESSE-ÉTOUPE ELECTROSOLDABLE AVEC PRESSE-ÉTOUPE EN CAOUTCHOUC POUR CABLES  
 PASA-MUROS ELECTROSOLDABLE CON PASA-MUROS DE GOMA PARA CABLES  
 ELEKTROSCHWEISSBARE ROHRDURCHFÜHRUNG MIT DURCHFÜHRUNG FÜR KABEL  
 PREME ESTOPA ELECTROSOLDÁVEL COM PREME ESTOPA EM BORRACHA PARA CABOS  
 PREMISTOPPA ELETTRISALDABILE CON PREMISTOPPA IN GOMMA PER IL PASSAGGIO DI CAVI

### PENETRATION FITTING WITH RUBBER ENTRY BOOT CABLE CAP ELECTROFUSION (SEBEC)

Code	ø	Dn	H	H	Notes
19SEBEC110	110	110	100	200	



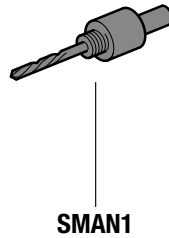
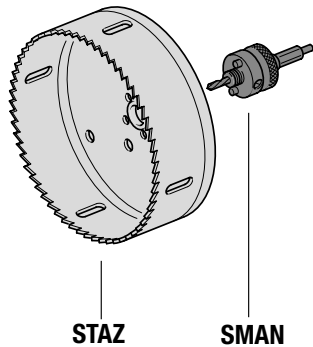
PRESSE-ÉTOUPE/TERMINAL POUR TUYAU SECONDAIRE  
 PASA-MUROS/TERMINAL PARA TUBERÍA SECUNDARIA  
 ROHRDURCHFÜHRUNG/END-FITTING FÜR MANTELROHR  
 PREME ESTOPA/TERMINAL PARA TUBO SECUNDÁRIO  
 PREMISTOPPA/TERMINALE PER TUBO SECONDARIO

### SECONDARY CONTAINMENT TERMINATION FITTING (SCUFV)

Code	ø	Dn1	Dn2	L + x	H	Notes
19SCUFV125110	125 - 110	125	110	138 + x	205	x = pipe length x = longueur tuyau x = longitud tubo x = Rohrlänge x = comprimento tubo x = lunghezza tubo



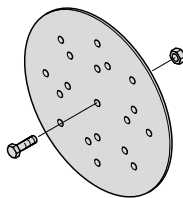
## ENTRY BOOTS / PENETRATION FITTINGS



SCIE CLOCHE ET MANDRIN  
SIERRA CIRCULAR Y MANDRIL  
LOCHKREISSÄGE MIT DORN  
SERRA CIRCULAR E MANDRIL  
FRESA A TAZZA E MANDRINO

### HOLE SAW (STAZ) - MANDREL (SMAN)

Code	Ø	Notes
19STAZ24	24	for/pour/para/für/para/per SEBECOMT
19STAZ51	51	for/pour/para/für/para/per SEBE Ø 32, 40, 50
19STAZ57	57	for/pour/para/für/para/per SEBEFM/A, SEBEF/A Ø 32,40
19STAZ70	70	for/pour/para/für/para/per SEB Ø 25, 32, 40
19STAZ79	79	for/pour/para/für/para/per SEBE Ø 63 - SEBEP Ø 32,40
19STAZ89	89	for/pour/para/für/para/per SEBEFM/A, SEBEF/A Ø 50, 63, 75
19STAZ98	98	for/pour/para/für/para/per SEB Ø 50, 63, 75, 90 and SEBE Ø 75
19STAZ111	111	for/pour/para/für/para/per SEBEP Ø 63,75
19STAZ140	140	for/pour/para/für/para/per SEB Ø 110, 125 - SEBE Ø 90, 110, 125
19STAZ152	152	for/pour/para/für/para/per SEBEFM/A, SEBEF/A Ø 90, 110, 125, SEBEP Ø 90, 110, 125
19SMAN1	-	for/pour/para/für/para/per 19STAZ24
19SMAN	-	for/pour/para/für/para/per 19STAZ51 ÷ 152



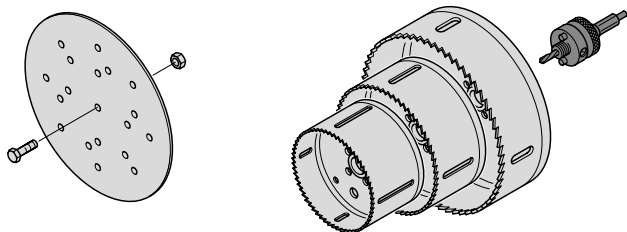
GABARIT DE PERFORATION POUR PRESSE-ÉTOUPE  
GALIBO DE PERFORAR PARA PASA-MUROS  
BOHRSCABLONE FÜR ROHRDURCHFÜHRUNG  
GABARITO DE PERFURAÇÃO PARA Preme Estopa  
DIMA DI FORATURA PER PREMI-STOPPA

### ENTRY BOOT TEMPLATE (STEM)

Code	Ø	Notes
19STEM	32 ÷ 125	for SEB and SCUFV pour SEB et SCUFV para SEB ay SCUFV für SEB und SCUFV para SEB e SCUFV per SEB e SCUFV



## ENTRY BOOTS / PENETRATION FITTINGS



KIT POUR L'INSTALLATION DE PRESSE-ÉTOUPES  
 KIT PARA LA INSTALACIÓN DE PASA-MUROS  
 INSTALLATIONSKIT FÜR ROHRDURCHFÜHRUNGEN  
 KIT DE INSTALAÇÃO DE PREME ESTOPAS  
 KIT PER L'INSTALLAZIONE DI PREMI-STOPPA

### INSTALLATION KIT FOR ENTRY BOOTS

Code	Ø	Notes
19SSET4	25 ÷ 125	19STEM, 19SMAN, 19STAZ70, 19STAZ98, 19STAZ140 Kit for/pour/para/für/para/per art. 19SEB
19SSET4A	32 ÷ 125	19SMAN, 19STAZ51, 19STAZ79, 19STAZ98, 19STAZ140 Kit for/pour/para/für/para/per art. 19SEBE
19SSET4B	32 ÷ 125	19SMAN, 19STAZ57, 19STAZ89, 19STAZ152, Kit for/pour/para/für/para/per art. 19SEBEFM, 19SEBEFM_A, 19SEBEF, 19SEBEF_A
19SSET4C	63 ÷ 125	19SMAN, 19STAZ111, 19STAZ152 Kit for/pour/para/für/para/per art. 19SEBEP

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## ENTRY BOOTS / PENETRATION FITTINGS

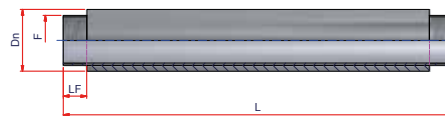


CLÉ DE SERRAGE  
LLAVE DE AJUSTE  
SCHRAUBENSCHLÜSSEL  
CHAVE DE APERTO  
CHIAVE DI SERRAGGIO

### WRENCH (CHIAVE)

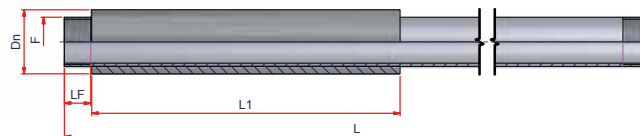
Code	Notes
00CHIAVE063	for/pour/para/für/para/per SEBEP Ø 32, 40
00CHIAVE090	for/pour/para/für/para/per SEBEP Ø 63, 75
00CHIAVE110	for/pour/para/für/para/per SEBEP Ø 90, 110, 125

(1)



COLONNE MONTANTE LONGUE MÂLE EN ACIER  
ADAPTADOR MACHO LARGO DE ACERO  
ADAPTER MIT AUSSENGEWINDE AUS STAHL  
ADAPTADOR MACHO LONGO EM AÇO  
ADATTATORE MASCHIO LUNGO IN ACCIAIO

(2)

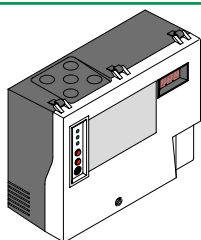


### STEEL RISER MALE (SASP\_NPT - SASP)

Code	Dn	F	LF	L	L1	Notes
19SASP3234NPT <sup>(1)</sup>	32	¾"	25	300	-	
19SASP401NPT <sup>(1)</sup>	40	1"	25	300	-	
19SASP63112NPT <sup>(2)</sup>	63	1 ½"	27	663	305	
19SASP752NPT <sup>(2)</sup>	75	2"	27	663	305	NPT thread/filet NPT/ rosca NPT/NPT-Gewinde/ rosca NPT/filettatura NPT
19SASP1103NPT <sup>(1)</sup>	110	3"	42	693	-	
19SASP1254NPT <sup>(1)</sup>	125	4"	35	600	-	
19SASP1254 <sup>(1)</sup>	125	4"	35	600	-	BSP thread/filet BSP/rosca BSP/BSP-Gewinde/ rosca BSP/filettatura BSP



# MONITORING SYSTEMS



SYSTÈME DE DÉTECTION DE FUITES  
 SISTEMA DE DETECCIÓN DE FUGAS  
 LECKÜBERWACHUNGSSYSTEM  
 SISTEMA DE MONITORAMENTO DE VAZAMENTOS  
 SISTEMA DI MONITORAGGIO PERDITE

## LEAK DETECTION SYSTEM

Code	Notes
19SMSD/220 (*)	220 V
19SMSD/110 (*)	110 V
19SMSD3/220 •	220 V
19SMSD3/110 •	110 V

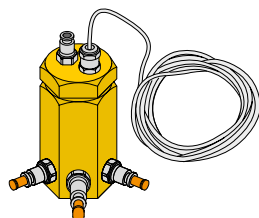
- (\*) monitoring pressure 1,8 bar - pression de monitorage 1,8 bar - presión de monitorización 1,8 bar - Überwachungsdruck 1,8 bar - pressão de monitoramento 1,8 bar - pressione di monitoraggio 1,8 bar
- monitoring pressure 4 bar - pression de monitorage 4 bar - presión de monitorización 4 bar - Überwachungsdruck 4 bar - pressão de monitoramento 4 bar - pressione di monitoraggio 4 bar



COLLECTEUR POUR SYSTÈME DE DÉTECTION DE FUITES  
 COLECTOR PARA SISTEMA DE DETECCIÓN DE FUGAS  
 VERTEILER FÜR LECKÜBERWACHUNGSSYSTEM  
 COLECTOR PARA SISTEMA DE MONITORAMENTO DE VAZAMENTOS  
 COLLETTORE PER SISTEMA DI MONITORAGGIO PERDITE

## MANIFOLD FOR LEAK DETECTION SYSTEM

Code	Notes
19SMANIF4	4 outlets/voies/vías/Wege/vías/vie
19SMANIF6	6 outlets/voies/vías/Wege/vías/vie
19SMANIF8	8 outlets/voies/vías/Wege/vías/vie
19SMANIF10	10 outlets/voies/vías/Wege/vías/vie
19SMANIF12	12 outlets/voies/vías/Wege/vías/vie



COLLECTEUR POUR SYSTÈME DE DÉTECTION DE FUITES ÉLECTRONIQUE  
 COLECTOR PARA SISTEMA DE DETECCIÓN DE FUGAS ELECTRÓNICO  
 VERTEILER FÜR ELEKTRONISCHES LECKÜBERWACHUNGSSYSTEM  
 COLECTOR PARA SISTEMA ELECTRÓNICO DE DETECÇÃO VAZAMENTOS  
 COLLETTORE PER SISTEMA DI MONITORAGGIO PERDITE ELETTRONICO

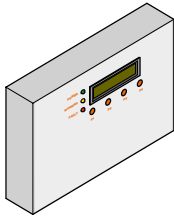
## MANIFOLD FOR ELECTRONIC LEAK DETECTION SYSTEM

Code	Notes
19SMST01	for 1 tube ø 6 mm - pour 1 tube ø 6 mm para 1 tubo ø 6 mm - für 1 Prüfrohr ø 6 mm para 1 tubo ø 6 mm - per 1 tubo ø 6 mm
19SMSTS06	for 6 tubes ø 6 mm - pour 6 tubes ø 6 mm para 6 tubos ø 6 mm - für 6 Prüfrohre ø 6 mm para 6 tubos ø 6 mm - per 6 tubi ø 6 mm





# MONITORING SYSTEMS



APPAREIL ÉLECTRONIQUE DE DÉTECTION DES FUITES  
 APARATO ELECTRÓNICO DE DETECCIÓN DE FUGAS  
 ELEKTRONISCHES LECKÜBERWACHUNGSSYSTEM  
 SISTEMA DE MONITORAMENTO ELECTRÓNICO DE VAZAMENTOS  
 SISTEMA DI MONITORAGGIO PERDITE ELETTRONICO

## ELECTRONIC LEAK DETECTION SYSTEM

Code	Notes
19SMSIT02	for 2 manifolds - pour 2 collecteurs para 2 colectores für 2 Verteiler para 2 colectores – per 2 collettori
19SMSIT04	for 4 manifolds - pour 4 collecteurs para 4 colectores für 4 Verteiler para 4 colectores – per 4 collettori
19SMSIT06	for 6 manifolds - pour 6 collecteurs para 6 colectores für 6 Verteiler para 6 colectores – per 6 collettori
19SMSIT08	for 8 manifolds - pour 8 collecteurs para 8 colectores für 8 Verteiler para 8 colectores – per 8 collettori



TUBE POUR ESSAI DE PRESSION ET MONITORAGE  
 TUBO PARA PRUEBA DE PRESIÓN Y MONITORIZACIÓN  
 PRÜFROHR FÜR DRUCKTEST UND ÜBERWACHUNG  
 TUBO PARA TESTE DE PRESSÃO E MONITORAMENTO  
 TUBO PER PROVA IN PRESSIONE E MONITORAGGIO

## TUBE FOR PRESSURE TEST AND MONITORING

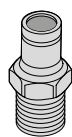
Code	Ø	Notes
19STT605	6	5 mt coil/couronne/rollo/Rolle/bobina/rotolo
19STT625	6	25 mt coil/couronne/rollo/Rolle/bobina/rotolo
19STT6100	6	100 mt coil/couronne/rollo/Rolle/bobina/rotolo



ADAPTATEUR FEMELLE POUR ESSAI DE PRESSION  
 ADAPTADOR HEMBRA PARA PRUEBA DE PRESIÓN  
 ADAPTER MIT INNENGEWINDE FÜR DRUCKTEST  
 ADAPTADOR FÊMEA PARA TESTE DE PRESSÃO  
 ADATTATORE FEMMINA PER PROVA IN PRESSIONE

## FEMALE ADAPTER FOR PRESSURE TEST

Code	Ø	Notes
19SPTM14	1/4"	NPT thread/filet NPT/rosca NPT/NTP-Gewinde/rosca NPT/filettatura NPT



VALVE À ATTELAGE RAPIDE POUR TUBE ESSAI DE PRESSION  
 VÁLVULA DE ENGANCHE RÁPIDO PARA TUBO PRUEBA DE PRESIÓN  
 SCHNELLANSCHLUSSVENTIL FÜR PRÜFROHR FÜR DRUCKTEST  
 VÁLVULA DE ENGATE RÁPIDO PARA TUBO DE TESTE DE PRESSÃO  
 VALVOLA ATTACCO RAPIDO PER TUBO PROVA IN PRESSIONE

## QUICK - FIT VALVE FOR PRESSURE TEST TUBE

Code	Ø	Notes
19SVT6	6	for Ø 6mm test tube - pour tube d'essai Ø 6mm para tubo de prueba Ø 6mm - für Ø 6mm Prüfrohr para tubo de teste Ø 6mm - per tubo di prova Ø 6mm



# MONITORING SYSTEMS



BOUCHON POUR PRISE DE TEST  
 TAPÓN PARA VÁLVULA DE PRUEBA  
 PRÜFVENTILVERSCHLUSS  
 TAMPA PARA TOMADA DE TESTE  
 TAPPO PER VALVOLA DI PROVA

## TEST PORT PLUG

Code	Ø	Notes
19STVP6	6	



KIT ADAPTATEUR POUR PRISE DE TEST  
 KIT ADAPTADOR PARA VÁLVULA DE PRUEBA  
 PRÜFVENTILADAPTER FÜR DRUCKTEST  
 KIT ADAPTADOR PARA TOMADA DE TESTE  
 KIT ADATTATORE VALVOLA DI PROVA PER TEST IN PRESSIONE

## TEST PORT ADAPTER KIT

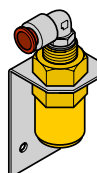
Code	Notes
19SGHKF	



RÉDUCTION 1/4" FILETÉE FEMELLE POUR PRISE DE TEST  
 REDUCCIÓN 1/4" ROSCADA HEMBRA PARA VÁLVULA DE PRUEBA  
 REDUZIERSTÜCK 1/4" MIT INNENGEWINDE FÜR PRÜFVENTIL  
 REDUÇÃO 1/4" C/ROSCA FÊMEA PARA TOMADA DE TESTE  
 RIDUTTORE FILETTATO FEMMINA 1/4" PER VALVOLA DI PROVA

## REDUCER 1/4" FOR TEST PORT - FEMALE THREADED

Code	Notes
59IS13	



COUPE-FEU POUR TROU D'HOMME  
 CORTALLAMAS PARA ARQUETA PASO DE HOMBRE  
 BRANDSCHNEISE FÜR TANKSCHÄCHTE  
 CORTA-FOGO PARA POÇOS DE INSPECÇÃO  
 ROMPI-FUOCO PER POZZETTI PASSO D'UOMO

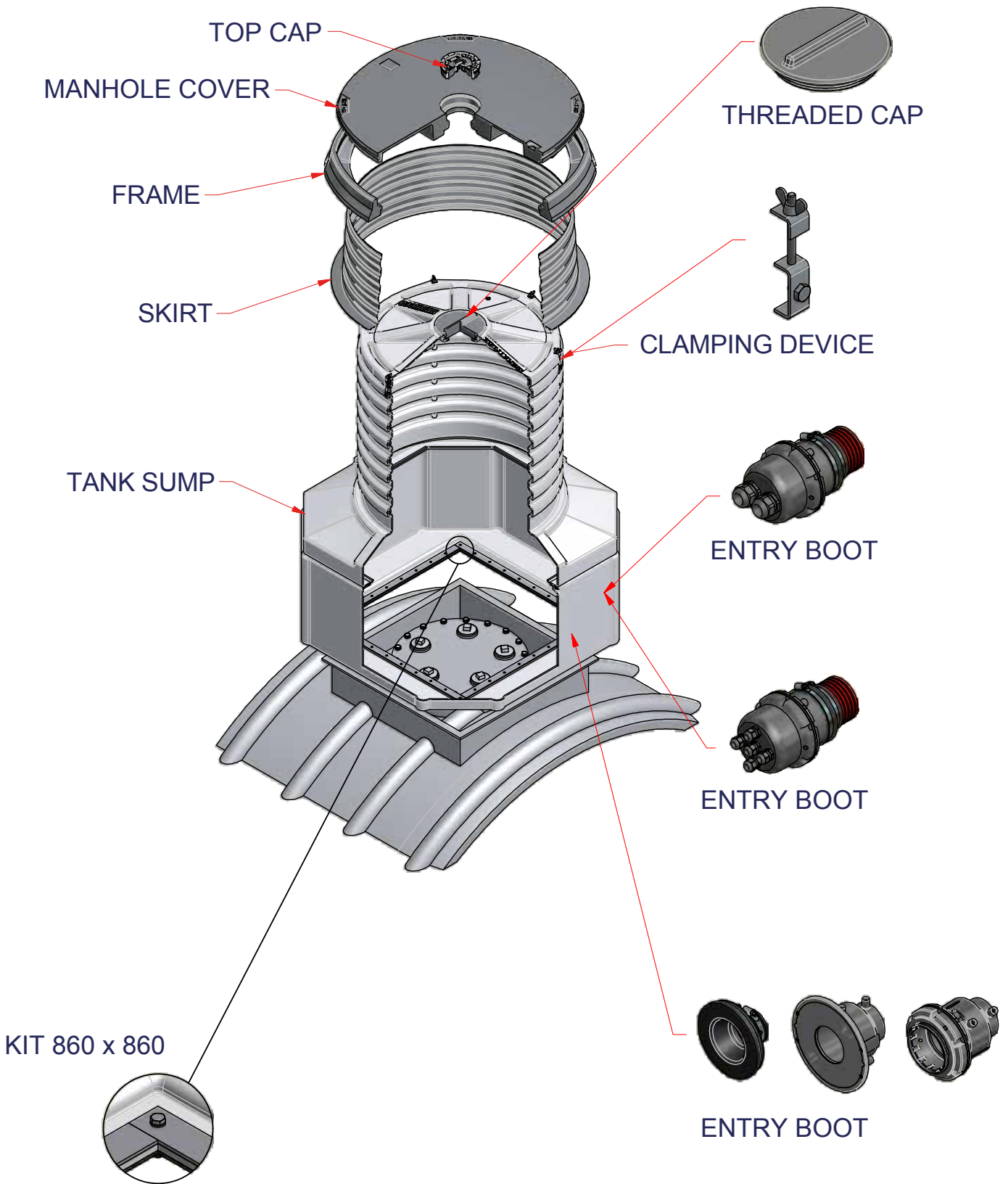
## FIRE-BREAK FOR TANK SUMPS

Code	Notes
19SRFTS	for 1 tube Ø 6 mm - pour 1 tube Ø 6 mm para 1 tubo Ø 6 mm - für 1 Prüfrohr Ø 6 mm para 1 tubo Ø 6 mm - per 1 tubo Ø 6 mm

stop valve available for pressure systems - vanne d'arrêt disponible pour systèmes sous pression - válvula de parada disponible para sistemas de presión - Absperrventil für Drucksysteme verfügbar - válvula de corte disponível para circuitos pressurizados - valvola di arresto disponibile per circuiti in pressione



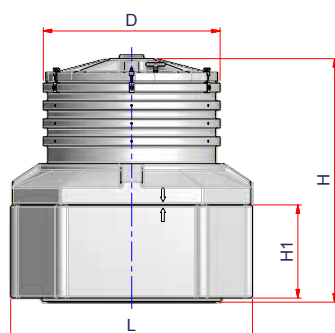
# SUMPS AND ACCESSORIES



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## SUMPS AND ACCESSORIES



CAISSON ELECTROSOUDABLE POUR TROU D'HOMME (PEHD) - COUVERCLE APTE POUR KIT DE MONTAGE ET BOUCHON FILETÉ CENTRAL

ARQUETA ELECTROSOLDABLE PARA PASO DE HOMBRE (PEAD) - TAPA ADECUADA PARA KIT DE MONTAJE Y TAPÓN CENTRAL ROSCADO

ELEKTROSCHEISSBARER TANKSCHACHT (PEHD) - DECKEL GEEIGNET FÜR MONTAGESATZ UND MITTIGE GEWINDEKAPPE

POÇO DE INSPECÇÃO ELECTROSOLDÁVEL (PEAD) - CAPA ADEQUADA PARA KIT DE MONTAGEM E TAMPA CENTRAL COM ROSCA

POZZETTO ELETTRISOLDABILE IN DUE PARTI PER PASSO D'UOMO (PEAD) - COPERCHIO PREDISPOSTO PER KIT DI FISSAGGIO E TAPPO CENTRALE FILETTATO

### ELECTROFUSION TANK SUMP (HDPE) - LID READY FOR LID MOUNTING KIT AND TOP THREADED CAP

Code	D	L	H	H1	Notes
19S22TS5238KTN *	987	1330	1350	520	2-piece with bottom opening 860 mm x 860 mm deux pièces ouvert sur le fond 860 mm x 860 mm dos piezas abierto en la parte inferior 860 mm x 860 mm zwei Teile mit Öffnung am Boden 860 mm x 860 mm duas peças abertas na parte inferior 860 mm x 860 mm due pezzi aperto nella parte inferiore 860 mm x 860 mm
19S22TS5238N	987	1330	1350	520	2-piece - deux pièces - dos piezas - zwei Stücke dos pedaços - due pezzi

\* The kit includes:  
- 1 perforated gasket  
- 4 backing bars  
- 36 bolts

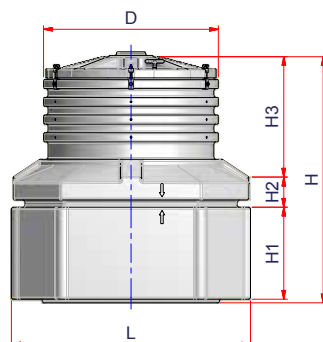
\* Le kit inclut:  
- 1 joint perforée  
- 4 barres de renfort  
- 36 boulons

\* El kit incluye:  
- 1 junta perforada  
- 4 barras de refuerzo  
- 36 pernos

\* Der Schweiß-Kit umfasst:  
- 1 perforierte Dichtung  
- 4 Verstärkungsstäbe  
- 36 Bolzen

\* O kit contém:  
- 1 junta perfurada  
- 4 barras de suporte  
- 36 parafusos

\* Il kit include:  
- 1 guarnizione perforata  
- 4 barre di rinforzo  
- 36 bulloni



CAISSON POUR TROU D'HOMME (PEHD) - COUVERCLE APTE POUR KIT DE MONTAGE ET BOUCHON FILETÉ CENTRAL

ARQUETA PARA PASO DE HOMBRE (PEAD) - TAPA ADECUADA PARA KIT DE MONTAJE Y TAPÓN CENTRAL ROSCADO

TANKSCHACHT (PEHD) - DECKEL GEEIGNET FÜR MONTAGESATZ UND MITTIGE GEWINDEKAPPE

POÇO DE INSPECÇÃO (PEAD) - CAPA ADEQUADA PARA KIT DE MONTAGEM E TAMPA CENTRAL COM ROSCA

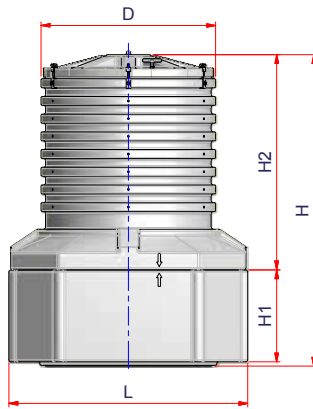
POZZETTO PER PASSO D'UOMO (PEAD) - COPERCHIO PREDISPOSTO PER KIT DI FISSAGGIO E TAPPO CENTRALE FILETTATO

### TANK SUMP (HDPE) - LID READY FOR LID MOUNTING KIT AND TOP THREADED CAP

Code	D	L	H	H1	H2	H3	Notes
19STS5238N	987	1330	1400	520	170	680	1-piece - une pièce - uma peça - einteilig - um pedaço - un pezzo



## SUMPS AND ACCESSORIES



CAISSON ELECTROSOUDEABLE POUR TROU D'HOMME EN DEUX PIÈCES (PEHD) – LONG - COUVERCLE APTE POUR KIT DE MONTAGE ET BOUCHON FILETÉ CENTRAL

ARQUETA ELECTROSOLDABLE DE DOS PIEZAS PARA PASO DE HOMBRE (PEAD) – LARGA - TAPA ADECUADA PARA KIT DE MONTAJE Y TAPÓN CENTRAL ROSCADO

ZWEITEILIGER ELEKTROSCHWEISSBARER TANKSCHACHT (PEHD) - STEIGLEITUNG - DECKEL GEEIGNET FÜR MONTAGESATZ UND MITTIGE GEWINDEKAPPE

POÇO DE INSPECÇÃO ELECTROSOLDÁVEL EM DUAS PEÇAS (PEAD) – LONGO - CAPA ADEQUADA PARA KIT DE MONTAGEM E TAMPA CENTRAL COM ROSCA

POZZETTO ELETTRISALDABILE IN DUE PARTI PER PASSO D'UOMO (PEAD) – ALTO - COPERCHIO PREDISPOSTO PER KIT DI FISSAGGIO E TAPPO CENTRALE FILETTATO

### ELECTROFUSION TANK SUMP (HDPE) - LONG RISER - LID READY FOR LID MOUNTING KIT AND TOP THREADED CAP

Code	D	L	H	H1	H2	Notes
19S22TS5238KTLR*	987	1330	1750	520	1210	with bottom opening 860 mm x 860 mm ouvert sur le fond 860 mm x 860 mm abierto en la parte inferior 860 mm x 860 mm mit Öffnung am Boden 860 mm x 860 mm aberto na parte inferior 860 mm x 860 mm aperto nella parte inferiore 860 mm x 860 mm
19S22TS5238LR	987	1330	1750	520	1210	-

\* The kit includes:  
- 1 perforated gasket  
- 4 backing bars  
- 36 bolts

\* Le kit est formé par:  
- 1 joint perforée  
- 4 barres de renfort  
- 36 boulons

\* El kit está compuesto por:  
- 1 junta perforada  
- 4 barras de refuerzo  
- 36 pernos

\* Der Schweiß-Kit umfasst:  
- 1 perforierte Dichtung  
- 4 Verstärkungsstäbe  
- 36 Bolzen

\* O kit contém:  
- 1 junta perfurada  
- 4 barras de suporte  
- 36 parafusos

Il kit include:  
- 1 guarnizione perforata  
- 4 barre di rinforzo  
- 36 bulloni

(1)



(2)



KIT DE FERMETURE CAISSON ELECTROSOUDEABLE POUR TROU D'HOMME  
KIT DE CIERRE PARA ARQUETA ELECTROSOLDABLE PARA PASO DE HOMBRE

ABSCHLUSS-KIT FÜR ELEKTROSCHWEISSBAREN TANKSCHACHT

KIT DE FECHAMENTO PARA POÇO DE INSPECÇÃO ELECTROSOLDÁVEL

KIT CHIUSURA PER POZZETTO PER PASSO D'UOMO ELETTRISALDABILE

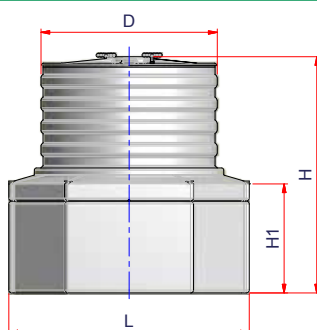
### CLOSURE KIT FOR ELECTROFUSION TANK SUMP

Code	Description	Notes
19STFG <sup>(1)</sup>	threaded cap/bouchon fileté/tapón roscado/Gewindekappe/tampa com rosca/tappo filettato	for lid/pour couvercle/para tapa/für Deckel/para tampa per coperchio
19SKFSS <sup>(2)</sup>	Stainless Steel clamp/griffe INOX /grifa de unión INOX/ Klammer aus rostfreiem Stahl/grampo INOX/morsetto INOX	for lid/pour couvercle/para tapa/für Deckel/para tampa per coperchio

(\*) until stock exhaustion - jusqu'au épuisement du stock - hasta agotar existencias - solange der Vorrat reicht - até o término das peças em estoque - fino ad esaurimento scorte



## SUMPS AND ACCESSORIES



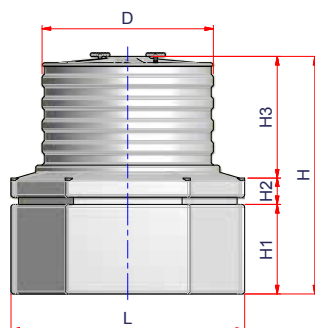
CAISSON ELECTROSOUDEABLE POUR TROU D'HOMME (PEHD)  
 ARQUETA ELECTROSOLDABLE PARA PASO DE HOMBRE (PEAD)  
 ELEKTROSCHWEISSBARER TANKSCHACHT (PEHD)  
 POÇO DE INSPECÇÃO ELECTROSOLDÁVEL (PEAD)  
 POZZETTO ELETTRISALDABILE PER PASSO D'UOMO (PEAD)

### ELECTROFUSION TANK SUMP (HDPE)

Code	D	L	H	H1	Notes
19S22TS4536	783	1150	990	440	2-piece - deux pièces - dos piezas zweiteilig - duas peças - due pezzi
19S22TS5238	958	1300	1300	600	

Use the 19STSIK tool and refer to the assembly instructions for a correct installation  
 Pour installer correctement, lire nos instructions d'assemblage et utiliser le kit 19STSIK.  
 Para instalar correctamente, leer nuestras instrucciones de montaje y utilizar el kit 19STSIK.  
 Für eine korrekte Installation das Werkzeug 19STSIK verwenden und die Montageanleitung lesen.  
 Para uma correcta instalação utilizar o 19STSIK e ler as instruções.  
 Utilizzare il 19STSIK e leggere le istruzioni di assemblaggio per una corretta installazione

<sup>(1)</sup> Adjustable height / Hauteur réglable / Altura ajustable / Verstellbare Höhe / Altura regulável / Altezza regolabile min = 625mm max = 990mm  
<sup>(2)</sup> Adjustable height / Hauteur réglable / Altura ajustable / Verstellbare Höhe / Altura regulável / Altezza regolabile min = 755mm max = 1253mm



CAISSON POUR TROU D'HOMME (PEHD)  
 ARQUETA PARA PASO DE HOMBRE (PEAD)  
 TANKSCHACHT (PEHD)  
 POÇO DE INSPECÇÃO (PEAD)  
 POZZETTO PER PASSO D'UOMO (PEAD)

### TANK SUMP (HDPE)

Code	D	L	H	H1	H2	H3	Notes
19STS4536	783	1150	1027	381	106	540	1-piece - une pièce - una pieza einteilig - uma peça - un pezzo
19STS5238	958	1300	1326	500	148	627	

**NEW**



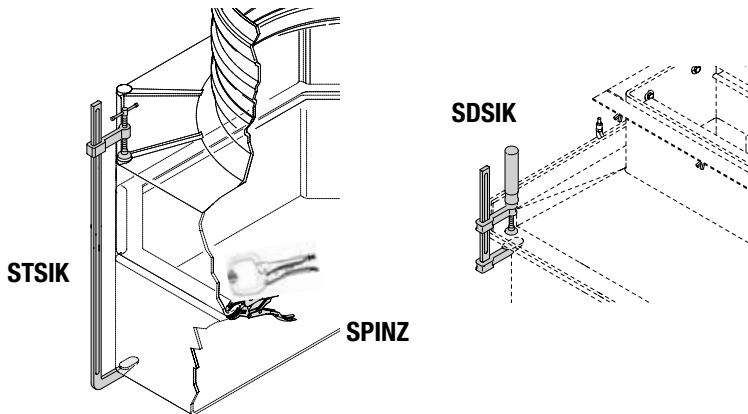
CAOUTCHOUC ISOLANT À DEUX COMPOSANTS EN PATE, MODELABLE ET AUTO-EXTINGUIBLE  
 GOMA AISLANTE BICOMPONENTE EN PASTA, MOLDEABLE Y AUTOEXTINGUIBLE  
 MODELLIERBARER, SELBSTLÖSCHENDER ZWEIKOMPONENTEN-ISOLIERSTOFF  
 BORRACHA ISOLANTE BICOMPONENTE NA MASSA, MOLDÁVEL E AUTO-EXTINGUÍVEL  
 GOMMA ISOLANTE BICOMPONENTE IN PASTA, MODELLABILE E AUTOESTINGUENTE

### TWO-COMPONENT INSULATING RUBBER PASTE – MOLDABLE, SELF-EXTINGUISHING

Code	Notes
19SBPASTE	250 g



# SUMPS AND ACCESSORIES



KIT POUR L'INSTALLATION DU CAISSON ELECTROSOUDABLE POUR TROU D'HOMME

KIT PARA LA INSTALACIÓN DE LA ARQUETA ELECTROSOLDABLE PARA PASO DE HOMBRE

INSTALLATIONSKIT FÜR ELEKTROSCHWEISSBAREN TANKSCHACHT

KIT DE INSTALAÇÃO PARA POÇO DE INSPECÇÃO ELECTROSOLDÁVEL

KIT DI INSTALLAZIONE PER IL POZZETTO ELETTROSALDABILE PER PASSO D'UOMO

## INSTALLATION KIT FOR ELECTROFUSION TANK SUMP

	Code	Description	Notes
	19STSIK	KIT	12 clamps/12 brides 12 abrazaderas/12 Spanneisen 12 grampos/12 morsetti L=800 mm
	19STSC	1 piece	spare clamp/bride de réchange abrazadera de repuesto/Ersatzspanneisen grampo de reposição/morsa di ricambio L=800 mm
	19SDSIK	KIT	10 clamps/10 brides 10 abrazaderas/10 Spanneisen 10 grampos/10 morsetti L=150 mm
	19SDSC	1 piece	spare clamp/bride de réchange abrazadera de repuesto/Ersatzspanneisen grampo de reposição/morsa di ricambio L=150 mm
	19SPINZK	KIT	12 pliers for S22TS_N/12 pinces-étau pour S22TS_N 12 pinzas para S22TS_N/12 Zangen für S22TS_N 12 garras para S22TS_N/12 pinze per S22TS_N
	19SPINZ	1 piece	pliers for S22TS_N/pince-étau pour S22TS_N/pinza para S22TS_N/ Zange für S22TS_N/garra para S22TS_N pinze per S22TS_N





## SUMPS AND ACCESSORIES



TAMPON DE PISTE HYDROFUGÉ EN MATÉRIAU COMPOSITE C250 CONFORME EN 124 AVEC VERROU CAM LOCK - AVEC OU SANS TAMPONET

TAPA PARA PASO DE HOMBRE IMPERMEABLE DE MATERIAL COMPUESTO C250 EN ACUERDO CON EN 124 CON CIERRE CAM LOCK - CON O SIN TAPON CENTRAL

WASSERDICHTER SCHACHTDECKEL C250 AUS VERBUNDSTOFF MIT ZERTIFIKAT EN124 UND CAM LOCK-VERRIEGELUNG - MIT ODER OHNE MITTIGEN VERSCHLUSS

TAMPA PARA POÇO DE INSPECÇÃO IMPERMEÁVEL EM MATERIAL COMPÓSITO C250 EM CONFORMIDADE EN 124 COM FECHAMENTO CAM LOCK - COM OU SEM TAMPA CENTRAL

CHIUSINO PER PASSO D'UOMO IMPERMEABILE IN MATERIALE COMPOSITO C250 IN ACCORDO CON EN 124 CON SERRATURA CAM LOCK - CON O SENZA TAPPO CENTRALE

### WATERTIGHT RAINIGHT COMPOSITE MANHOLE COVER C250 EN124 LISTED WITH CAM LOCK WITH OR WITHOUT DIP CAP

Code	Ø	Notes
19STAM36WTCLPDC	960	cover, frame, seal, plug, lock and dip cap/tampon, cadre, joint, bouchon, verrou et tamponet/tapa, marco, junta, tapón, cierre y tapón central/Schachtdeckel, Rahmen, Dichtung, Kappe, Schloss und mittiger Verschluss/cobertura, quadro, selo, plugue, bloqueio e tampa central/coperchio, telaio, guarnizione, tappo, serratura e tappo centrale
19STAM42WTCLPDC	1120	
19STAM36WTCLP	960	cover, frame, seal, plug and lock/tampon, cadre, joint, bouchon et verrou/tapa, marco, junta, tapón y cierre/Schachtdeckel, Rahmen, Dichtung, Kappe und Verriegelung/cobertura, quadro, selo, plugue e fechamento/coperchio, telaio, guarnizione, tappo e serratura
19STAM42WTCLP	1120	
19STAMCLPLUG		spare plug for cam lock/bouchon de rechange pour verrou cam lock/tapón de repuesto para cierre cam lock/Ersatzverschluss für Cam Lock/plugue de reposição para fechamento cam lock/tappo di ricambio per serratura cam lock
19STAMLOCK		Cam lock spare lock/Verrou de rechange cam lock/Cierre de repuesto cam lock/Cam Lock-Ersatzschloss/Fechamento de reposição cam lock/Serratura di ricambio cam lock
19STAMDIPCAP		spare dip cap/tamponet de rechange/tapón central de repuesto/mittiger Ersatzverschluss/tampa central de reposição/tappo centrale di ricambio
19STAMGASKETDC		spare seal for dip cap/joint de rechange pour tamponet/junta de repuesto para tapón central/Ersatzdichtung für mittigen Verschluss/selo de reposição para tampa central/guarnizione di ricambio per tappo centrale



JOINT DE RECHANGE

JUNTA DE REPUESTO

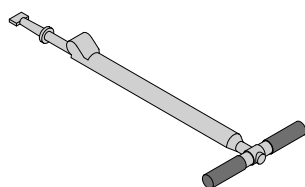
ERSATZDICHTUNG

JUNTA DE REPOSIÇÃO

GUARNIZIONE DI RICAMBIO

### SPARE GASKET

Code	Notes
19STAMGASKET36	for/pour/para/für/para/per 19STAM36WTCLP and/et/y/und/e 19STAM36WTCLPDC
19STAMGASKET42	for/pour/para/für/para/per 19STAM42WTCLP and/et/y/und/e 19STAM42WTCLPDC



CLE DE VERROUILLAGE POUR TAMPON DE PISTE AVEC DISPOSITIF POUR LA RUPTURE DU SCEAU

LLAVE DE ELEVACIÓN PARA TAPA BOCA DE HOMBRE CON SISTEMA ROMPESELLO

HEBESTANGE FÜR SCHACHTDECKEL MIT DICHTUNGSBRECHER

ALAVANCA DE LEVANTAMENTO PARA TAMPA POÇO DE INSPECÇÃO COM SISTEMA QUEBRASELAGEM

ASTA DI SOLLEVAMENTO PER CHIUSINO PASSO D'UOMO CON ROMPISIGILLO

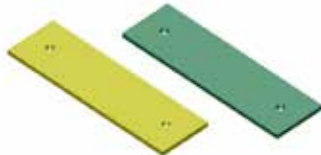
### LIFTING PLATE FOR WATERTIGHT COMPOSITE MANHOLE COVER 19STAM\_CLP AND 19STAM\_CLPDC WITH SEAL BREAKER

Code	Notes
19STAMLPW	



## SUMPS AND ACCESSORIES

**SPARE PARTS FOR WATERTIGHT RAIN TIGHT COMPOSITE MANHOLE COVER - PIÈCES DE RECHANGES POUR TAMPON DE PISTE HYDROFUGÉ - PIEZAS DE REPUESTO PARA TAPA PARA PASO DE HOMBRE IMPERMEABLE - ERSATZTEILE FÜR WASSERDICHTEN SCHACHTDECKEL - PEÇAS DE REPOSIÇÃO PARA TAMPA PARA POÇO DE INSPECÇÃO IMPERMEÁVEL - PARTI DI RICAMBIO PER CHIUSINO PER PASSO D'UOMO IMPERMEABILE**



PLAQUE D'IDENTIFICATION DU PRODUIT EN METAL  
PLACA DE IDENTIFICACIÓN DEL PRODUCTO DE METAL  
PRODUKTTYPENSCHILD AUS METALL  
PLACA DE IDENTIFICAÇÃO DO PRODUTO EM METAL  
TARGHETTA DI IDENTIFICAZIONE PRODOTTO IN METALLO

### METAL STAB FOR PRODUCT IDENTIFICATION

Code	Notes
19STABSYELLOW (*)	for/pour/para/für/para/per 19STAM42WTCLPDC and/et/y/und/e 19STAM36WTCLPDC item sold in pairs - article vendu par paires - artículo vendido en pares - paarweise verkaufter Artikel - item vendido em pares - articolo venduto a coppia
19STABSORANGE (*)	for/pour/para/für/para/per 19STAM42WTCLPDC and/et/y/und/e 19STAM36WTCLPDC item sold in pairs - article vendu par paires - artículo vendido en pares - paarweise verkaufter Artikel - item vendido em pares - articolo venduto a coppia
19STABSBLACK (*)	for/pour/para/für/para/per 19STAM42WTCLPDC and/et/y/und/e 19STAM36WTCLPDC item sold in pairs - article vendu par paires - artículo vendido en pares - paarweise verkaufter Artikel - item vendido em pares - articolo venduto a coppia
19STABSBLUE (*)	for/pour/para/für/para/per 19STAM42WTCLPDC and/et/y/und/e 19STAM36WTCLPDC item sold in pairs - article vendu par paires - artículo vendido en pares - paarweise verkaufter Artikel - item vendido em pares - articolo venduto a coppia
19STABSGREEN (*)	for/pour/para/für/para/per 19STAM42WTCLPDC and/et/y/und/e 19STAM36WTCLPDC item sold in pairs - article vendu par paires - artículo vendido en pares - paarweise verkaufter Artikel - item vendido em pares - articolo venduto a coppia
19STABSRD (*)	for/pour/para/für/para/per 19STAM42WTCLPDC and/et/y/und/e 19STAM36WTCLPDC item sold in pairs - article vendu par paires - artículo vendido en pares - paarweise verkaufter Artikel - item vendido em pares - articolo venduto a coppia

class C250 / EN124 - classe C250 / EN124 - clase C250 / EN124 - Klasse C250 / EN124 - classe C250 / EN124 - classe C250 / EN124

(\*) available upon request - disponible sur demande - disponible a pedido - verfügbar auf Anfrage - disponível sob encomenda - disponibile su richiesta



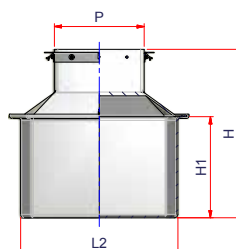
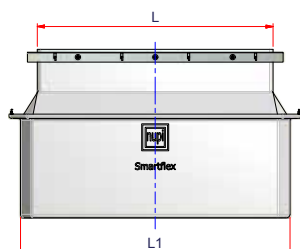
JUPE EN PEHD POUR TAMPON DE PISTE HYDROFUGÉ EN MATÉRIAU COMPOSITE  
FALDA DE PEAD PARA PASO DE HOMBRE IMPERMEABLE DE MATERIAL COMPUESTO  
RAND AUS PEHD FÜR WASSERDICHTEN SCHACHTDECKEL AUS VERBUNDSTOFF  
SAIA EM PEAD PARA TAMPA PARA POÇO DE INSPECÇÃO IMPERMEÁVEL EM MATERIAL  
COMPÓSITO  
GONNA IN PEAD PER CHIUSINO PER PASSO D'UOMO IMPERMEABILE IN MATERIALE  
COMPÓSITO

### HDPE SKIRT FOR WATERTIGHT COMPOSITE MANHOLE COVER 19STAM\_CLP AND 19STAM\_CLPDC

Code	Notes
19SSKIRT36	for/pour/para/für/para/per 19STAM36WT_
19SSKIRT42	for/pour/para/für/para/per 19STAM42WT_



## SUMPS AND ACCESSORIES

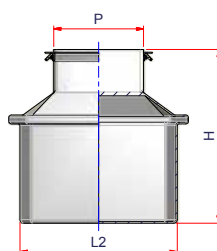
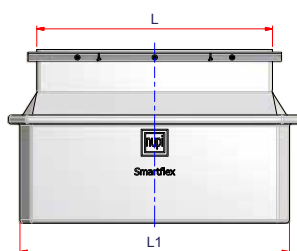


CAISSON ELECTROSOUDABLE POUR DISTRIBUTEUR (PEHD)  
 ARQUETA ELECTROSOLDABLE PARA SURTIDOR (PEAD)  
 ELEKTROSCHWEISSBARER ZAPFSÄULENSCHACHT (PEHD)  
 POÇO DE INSPECÇÃO ELECTROSOLDÁVEL PARA DISTRIBUIDOR (PEAD)  
 POZZETTO ELETTRISALDABILE PER DISTRIBUTORE (PEAD)

### DISPENSER SUMP (HDPE) - ELECTROFUSION

Code	P	L	L1	L2	H	H1	Notes
19S21DS2111	279	527	864	711	762	457	
19S21DS2518	622	444	864	711	762	457	
19S21DS3016	406	762	1219	711	762	457	2-piece - deux pièces - dos piezas zweiteilig - duas peças - due pezzi
19S21DS4216	406	1067	1219	711	762	457	
19S21DS4620	508	1168	1219	711	762	457	

- use the 19SDSIK tool and refer to the assembly instructions for a correct installation
- utiliser le kit 19SDSIK et consulter les instructions pour une installation correcte
- utilizar el kit 19SDSIK y consultar las instrucciones para una instalación correcta
- für eine korrekte Installation das Werkzeug 19SDSIK verwenden und die Montageanleitung lesen
- para uma correcta instalação utilizar o kit 19SDSIK e ler as instruções
- utilizzare il kit 19SDSIK e consultare le istruzioni per una corretta installazione



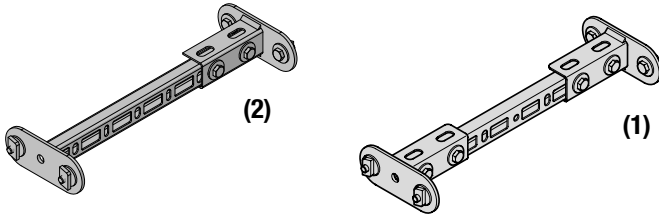
CAISSON POUR DISTRIBUTEUR (PEHD)  
 ARQUETA PARA SURTIDOR (PEAD)  
 ZAPFSÄULENSCHACHT (PEHD)  
 POÇO DE INSPECÇÃO PARA DISTRIBUIDOR (PEAD)  
 POZZETTO PER DISTRIBUTORE (PEAD)

### DISPENSER SUMP (HDPE)

Code	P	L	L1	L2	H	Notes
19SDS2111	279	527	864	711	786	
19SDS2518	445	622	864	711	786	
19SDS3016	406	762	1219	711	786	1-piece - une pièce - una pieza einteilig - uma peça - un pezzo
19SDS4216	406	1067	1219	711	786	
19SDS4620	508	1168	1219	711	786	



## SUMPS AND ACCESSORIES



BARRE DE FIXATION TUYAUTERIE POUR CAISSON ELECTROSOUDABLE POUR DISTRIBUTEUR  
 BARRA DE FIJACIÓN TUBERÍA PARA ARQUETA ELECTROSOLDABLE PARA SURTIDOR  
 ROHRHALTERUNG FÜR ELEKTROSCHWEISSBARER ZAPFSÄULENSCHACHT  
 BARRA DE FIXAÇÃO DA TUBULAÇÃO POÇO DE INSPECÇÃO ELECTROSOLDÁVEL PARA DISTRIBUIDOR  
 BARRA STAFFAGGIO TUBI PER POZZETTO ELETTROSALDABILE PER DISTRIBUTORE

### PIPING FIXING BAR FOR ELECTROFUSION DISPENSER SUMP

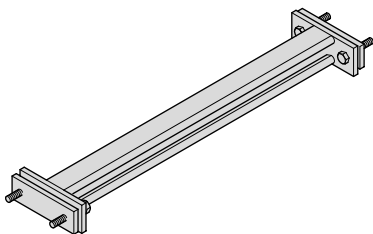
Code	Notes
19SBS11 <sup>(1)</sup>	for/pour/para/für/para/per S21DS2111, SDS2111
19SBS16 <sup>(2)</sup>	for/pour/para/für/para/per S21DS3016, S21DS4216, SDS3016, SDS4216
19SBS18 <sup>(1)</sup>	for/pour/para/für/para/per S21DS2518, SDS2518
19SBS20 <sup>(1)</sup>	for/pour/para/für/para/per S21DS4620, SDS4620



KIT POUR L'INSTALLATION DU CAISSON ELECTROSOUDABLE POUR DISTRIBUTEUR  
 KIT PARA LA INSTALACIÓN DE LA ARQUETA ELECTROSOLDABLE PARA SURTIDOR  
 INSTALLATIONSKIT FÜR ELEKTROSCHWEISSBARER ZAPFSÄULENSCHACHT  
 KIT DE FERRAMENTAS PARA INSTALAÇÃO DE POÇO DE INSPECÇÃO ELECTROSOLDÁVEL PARA DISTRIBUIDOR  
 KIT DI INSTALLAZIONE PER IL POZZETTO ELETTROSALDABILE PER DISTRIBUTORE

### ELECTROFUSION DISPENSER SUMP INSTALLATION KIT

Code	Description	Notes
19SDSIK	KIT	10 clamps/10 brides 10 abrazaderas/10 Spanneisen 10 grampos/10 morsetti
19SDSC	1 piece	spare clamp/bride de réchange abrazadera de repuesto/Ersatzspanneisen/ grampo de reposição/morsa di ricambio



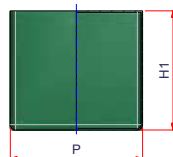
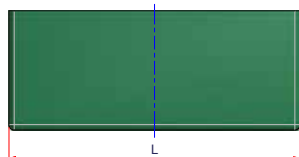
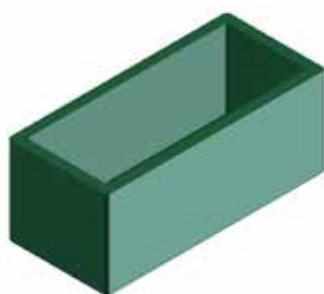
BARRE STABILISATRICE POUR CAISSON ELECTROSOUDABLE POUR DISTRIBUTEUR  
 BARRA ESTABILIZADORA PARA ARQUETA ELECTROSOLDABLE PARA SURTIDOR  
 STABILISATOR FÜR ELEKTROSCHWEISSBARER ZAPFSÄULENSCHACHT  
 BARRA ESTABILIZADORA POÇO DE INSPECÇÃO ELECTROSOLDÁVEL PARA DISTRIBUIDOR  
 BARRA STABILIZZATRICE PER POZZETTO ELETTROSALDABILE PER DISTRIBUTORE

### FIXING BAR FOR ELECTROFUSION DISPENSER SUMP

Code	Notes
19SSB01	



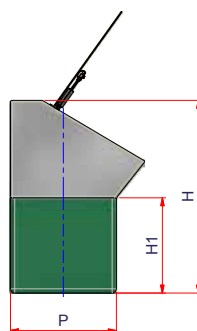
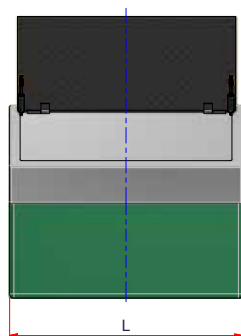
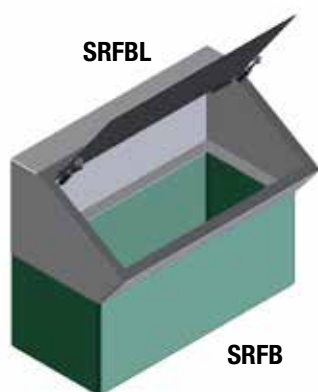
## SUMPS AND ACCESSORIES



CAISSON POUR DISTRIBUTEUR (PEHD)  
 ARQUETA PARA DISPENSADOR (PEAD)  
 VERTEILERSCHACHT (PEHD)  
 POÇO DE INSPECÇÃO PARA DISTRIBUIDOR (PEAD)  
 POZZETTO PER DISTRIBUTORE (PEAD)

### FILL BOX (HDPE)

Code	L	P	H1	Notes
19SRFB800	800	500	450	Customizable top opening Ouverture supérieure personnalisable Abertura superior personalizável Kundenspezifische obere Öffnung Abertura superior personalizável Apertura superiore personalizzabile
19SRFB1100	1100	500	450	
19SRFB1600	1600	500	450	



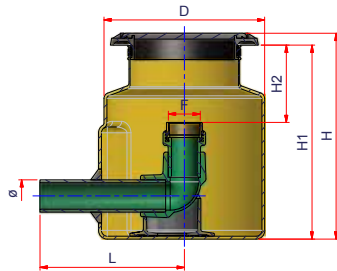
CAISSON POUR DÉPOTAGE (PEAD) ET COUVERCLE  
 DEPÓSITO PARA LLENADO CONCENTRADO (PEAD) Y TAPA  
 KONZENTRATWANNE (PEHD) MIT DECKEL  
 CONTAINER PARA DESCARGA À DISTÂNCIA (PEAD) E  
 TAMPA  
 VASCA CARICO CONCENTRATO (PEAD) E COPERCHIO

### REMOTE FILL BOX (HDPE) AND LID

Code	L	P	H1	H	Notes
19SRFB800	-	-	-	-	Base only without lid/seulement base sans couvercle/sólo base sin tapa/nur Sockel ohne Deckel/somente base sem tampa/solo base senza coperchio
19SRFBL800	-	-	-	-	lid for SRFB800/couvercle pour SRFB800/tapa para SRFB800/Deckel für SRFB800/tampa para SRFB800/coperchio per SRFB800
19SRFBC800	800	500	450	910	complete fill box/caisson complet/depósito completo/Wanne komplett/container completo/cassone completo
19SRFB1100	-	-	-	-	Base only without lid/seulement base sans couvercle/sólo base sin tapa/nur Sockel ohne Deckel/somente base sem tampa/solo base senza coperchio
19SRFBL1100	-	-	-	-	lid for SRFB1100/couvercle pour SRFB1100/tapa para SRFB1100/Deckel für SRFB1100/tampa para SRFB1100/coperchio per SRFB1100
19SRFBC1100	1100	500	450	910	complete fill box/caisson complet/depósito completo/Wanne komplett/container completo/cassone completo
19SRFB1600	-	-	-	-	Base only without lid/seulement base sans couvercle/sólo base sin tapa/nur Sockel ohne Deckel/somente base sem tampa/solo base senza coperchio
19SRFBL1600	-	-	-	-	lid for SRFB1600/couvercle pour SRFB1600/tapa para SRFB1600/Deckel für SRFB1600/tampa para SRFB1600/coperchio per SRFB1600
19SRFBC1600	1600	500	450	910	complete fill box/caisson complet/depósito completo/Wanne komplett/container completo/cassone completo



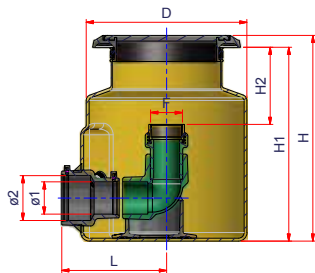
## SUMPS AND ACCESSORIES



CAISSON DE DEPOTAGE (PEHD) AVEC SORTIE SIMPLE PAROI  
 ARQUETA DE CONTENIMIENTO PARA LLENADO REMOTO (PEAD) CON SALIDA SIMPLE PARED  
 FERNFÜLLSCHACHT (PEHD) - EINWANDIGER AUSLASS  
 POÇO DE INSPECÇÃO PARA DESCARGA À DISTÂNCIA (PEAD) COM SAÍDA DE PAREDE SIMPLES  
 POZZETTO PER CARICO REMOTO (PEAD) CON USCITA SINGOLA PARETE

### REMOTE SPILL CONTAINMENT (HDPE) WITH SINGLE WALL OUTPUT

Code	ø (in)	F	D	L	H	H1	H2	Notes
19SSC3FNPTSW	3"	3" NPT	448	402	573	540	215	3" F NPT SW pipe/tuyau SP/tubo SP/EW Rohr/tubo de PS/tubo SP
19SSC3FSW	3"	3"	448	402	573	540	215	3" F BSP SW pipe/tuyau SP/tubo SP/EW Rohr/tubo de PS/tubo SP
19SSC4FNPTSW	4"	4" NPT	448	411	573	540	194	4" F NPT SW pipe/tuyau SP/tubo SP/EW Rohr/tubo de PS/tubo SP
19SSC4FSW	4"	4"	448	411	573	540	194	4" F BSP SW pipe/tuyau SP/tubo SP/EW Rohr/tubo de PS/tubo SP



CAISSON DE DEPOTAGE (PEHD) AVEC SORTIE DOUBLE PAROI  
 ARQUETA DE CONTENIMIENTO PARA LLENADO REMOTO (PEAD) CON SALIDA DOBLE PARED  
 FERNFÜLLSCHACHT (PEHD) - DOPPELWANDIGER AUSLASS  
 POÇO DE INSPECÇÃO PARA DESCARGA À DISTÂNCIA (PEAD) COM SAÍDA DE PAREDE DUPLA  
 POZZETTO PER CARICO REMOTO (PEAD) CON USCITA DOPPIA PARETE

### REMOTE SPILL CONTAINMENT (HDPE) WITH DOUBLE WALL OUTPUT

Code	ø 1 (in)	ø 2 (in)	F	D	L	H	H1	H2	Notes
19SSC3FNPTDW	3"	5"	3" NPT	448	292	573	540	215	3" F NPT DW pipe/tuyau DP/tubo DP/DW Rohr/tubo de PD/tubo DP
19SSC3FDW	3"	5"	3"	448	292	573	540	215	3" F BSP DW pipe/tuyau DP/tubo DP/DW Rohr/tubo de PD/tubo DP
19SSC4FNPTDW	4"	5"	4" NPT	448	311	573	540	195	4" F NPT DW pipe/tuyau DP/tubo DP/DW Rohr/tubo de PD/tubo DP
19SSC4FDW	4"	5"	4"	448	311	573	540	195	4" F BSP DW pipe/tuyau DP/tubo DP/DW Rohr/tubo de PD/tubo DP



PUISARD DE DEPOTAGE EN PEHD AVEC COUVERCLE DE FONTE AVEC RÉCUPÉRATION DU CARBURANT  
 ARQUETA DE CONTENIMIENTO DE PEAD PARA LLENADO DIRECTO CON TAPA DE FUNDICIÓN CON RECUPERACIÓN DE CARBURANTE  
 FERNFÜLLSCHACHT AUS PEHD MIT GUSSEISENDECKEL MIT KRAFTSTOFFRÜCKGEWINNUNG  
 POÇO DE INSPECÇÃO EM PEAD PARA DESCARGA DIRECTA COM TAMPA EM FERRO FUNDIDO COM RECUPERAÇÃO DO COMBUSTÍVEL  
 POZZETTO PER CARICO DIRETTO IN PEAD CON COPERCHIO IN GHISA CON RECUPERO FUORIUSCITE DI CARBURANTE

### DIRECT SPILL CONTAINMENT (HDPE) WITH CAST IRON LID WITH SPILL DRAIN

Code	ø (in)	Notes
19DYSC4NPTSWC	4"	4" F NPT SW pipe/tuyau SE/tubo SP/EW Rohr/tubo de PS/tubo SP
19DYSC4BSPSWC	4"	4" F BSP SW pipe/tuyau SE/tubo SP/EW Rohr/tubo de PS/tubo SP

until stock exhaustion - jusqu'au épuisement du stock - hasta agotar existencias - solange der Vorrat reicht - até o término das peças em estoque - fino ad esaurimento scorte









# TOOLING



SOUDEUSE MULTI-FONCTION AVEC DOUCHETTE

MÁQUINA DE SOLDAR MULTIFUNCIÓN CON ESCÁNER DE CÓDIGO DE BARRAS

MEHRZWECK-SCHWEISSMASCHINE MIT BARCODE-SCANNER

UNIDADE DE SOLDA MULTIFUNCIÓN COM ESCANEADOR DE CÓDIGO DE BARRAS

SALDATRICE AUTOMATICA MULTIFUNZIONE CON LETTORE CODICE A BARRE

## AUTOMATIC MULTIFUNCTION WELDING UNIT WITH BARCODE SCANNER

Code	Ø Welding Range	Voltage
19SSEL8404/220	20 ÷ 630	220V
19SSEL8404/110	20 ÷ 630	110V

- Ambient temperature sensor
- Welding voltage regulation 5-42 V
- Download by means of USB technology
- Power Max: 2500 VA
- Size: 340x450xH220 mm
- Weight: 25,2 kg
- Index Protection: IP54

- Détection de la température ambiante
- Réglage de la tension de soudure entre 5 et 42 V
- Déchargement par technologie USB
- Puissance max: 2500 VA
- Dimensions: 340x450xH220 mm
- Poids: 25,2 kg
- Protection: IP54

- Medición temperatura ambiente
- Regulación de la tensión de soldadura 5 - 42 V
- Descarga datos por medio de tecnología USB
- Potencia máxima: 2500 VA
- Dimensiones: 340x450xH220 mm
- Peso: 25,2 kg
- Protección: IP54

- Erfassung der Raumtemperatur
- Einstellung der Schweißspannung 5-42 V
- USB-Technologie für die Fernübertragung der Schweißprotokolle und der Drucktests
- Max. Leistung: 2500 VA
- Abmessungen: 340x450xH220 mm
- Gewicht: 25,2 kg
- Schutzgrad IP54

- Detecção da temperatura ambiente
- Ajuste da tensão de solda 5-42 V
- Download para PC via tecnologia USB
- Potência máxima 2500 VA
- Dimensões 340x450xH220 mm
- Peso: 25,2 kg
- Proteção: IP54

- Rilevazione temperatura ambiente
- Regolazione della tensione di saldatura 5-42 V
- Scarico dati tramite USB a PC
- Potenza Max:2500 VA
- Dimensioni: 340x450xH220 mm
- Peso: 25,2 kg
- Protezione: IP54

## WELDING UNIT SPARE PARTS - PIÈCES DE RECHANGES - PIEZAS DE REPUESTO - ERSATZTEILE - PEÇAS DE REPOSIÇÃO - PARTI DI RICAMBIO

Code							Notes
00S8305	Connecting pins	Connecteurs	Conectores	Verbinder	Conectores	Coppia spinotti	
19CAV09PIN3	Data transfer cable	Câble pour transfert de données	Cable para transferencia de datos	Datenübertragungskabel	Cabo para transferencia de datos	Cavo per trasferimento dati	(for/pour/para/für/para/per 19SSEL8300-19SSEL8400)
19CAV09PIN5	Data transfer cable	Câble pour transfert de données	Cable para transferencia de datos	Datenübertragungskabel	Cabo para transferencia de datos	Cavo per trasferimento dati	(for/pour/para/für/para/per 19SSEL8402-19SSEL8403)
19SPEN8404	Optical pen	Crayon optique	Lápis óptico	Elektronischer Stift	Caneta luminosa	Penna ottica	(for/pour/para/für/para/per SSEL8404)



# TOOLING



SOUDEUSE MULTI-FONCTION AVEC DOUCHETTE - VERSION LEGÈRE  
 MÁQUINA DE SOLDAR MULTIFUNCIÓN CON ESCÁNER DE CÓDIGO DE BARRAS - VERSIÓN LIGERA  
 MEHRZWECK-SCHWEISSMASCHINE MIT BARCODE-SCANNER - LEICHTE VERSION  
 UNIDADE DE SOLDA MULTIFUNCIÓN COM ESCANEADOR DE CÓDIGO DE BARRAS - VERSÃO LEVE  
 SALDATRICE AUTOMATICA MULTIFUNZIONE CON LETTORE CODICE A BARRE - VERSIONE LEGGERA

## AUTOMATIC MULTIFUNCTION WELDING UNIT WITH BARCODE SCANNER - LIGHT VERSION

Code	Ø Welding Range	Voltage
19SSEL8404L/220	20 ÷ 160	220V
19SSEL8404L/110	20 ÷ 160	110V

welds up to DW Ø 110 piping - soude jusqu'à DP Ø 110 - suelda hasta Ø DP 110 - schweiß bis zu DW Rohr Ø 110 - solda até PD Ø 110 - solda fino a DP Ø 110  
 welding kit available - kit de soudure disponible - kit de soldadura disponible - Schweiß-Kit vorrätig - kit de solda disponível - kit di saldatura disponibile

- Ambient temperature sensor
- Welding voltage regulation 5-42 V
- Download by means of USB technology
- Power Max: 1000 VA
- Size: 314x350xH170 mm
- Weight: 13 kg
- Index Protection: IP54

- Détection de la température ambiante
- Réglage de la tension de soudure entre 5 et 42 V
- Déchargement à ordinateur par technologie USB
- Puissance max: 1000 VA
- Dimensions: 314x350xH170 mm
- Poids: 13 kgs
- Protection: IP54

- Medición temperatura ambiente
- Regulación de la tensión de soldadura 5-42 V.
- Descarga datos a ordenador por medio de tecnología USB
- Potencia máxima: 1000 VA
- Dimensiones: 314x350xH170 mm
- Peso: 13 kg
- Protección: IP54

- Erfassung der Raumtemperatur
- Einstellung der Schweißspannung 5-42 V
- USB-Technologie für die Fernübertragung der Schweißprotokolle und der Drucktests
- Max. Leistung: 1000 VA
- Abmessungen: 314x350xH170 mm
- Gewicht: 13 kg
- Schutzgrad IP54

- Detecção da temperatura ambiente
- Ajuste da tensão de solda 5-42 V
- Download para PC via tecnologia USB
- Potência máxima 1000 VA
- Dimensões 314x350xH170 mm
- Peso: 13 kg
- Protecção: IP54

- Rilevazione temperatura ambiente
- Regolazione della tensione di saldatura 5-42 V
- Scarico dati tramite collegamento USB a PC
- Potenza Max: 1000 VA
- Dimensioni: 314x350xH170 mm
- Peso: 13 kg
- Protezione: IP54



PIÈCES DE RECHANGES - DOUCHETTE POUR SOUDEUSE  
 PIEZAS DE REPUESTO - ESCÁNER DE CÓDIGO DE BARRAS PARA SOLDADORA  
 ERSATZTEILE - BARCODE-SCANNER FÜR SCHWEISSMASCHINE  
 PEÇAS DE REPOSIÇÃO - ESCANEADOR DE CÓDIGO DE BARRAS PARA UNIDADE DE SOLDA  
 PARTI DI RICAMBIO - LETTORE CODICE A BARRE PER SALDATRICE

## WELDING UNIT SPARE PARTS - BARCODE SCANNER FOR WELDING UNIT

Code	Notes
00BCSCAN	for/pour/para/für/para/per 19SSEL8404
00BCSCAN8403	for/pour/para/für/para/per 19SSEL8403



## TOOLING



SOUDEUSE MULTI-FONCTION AVEC DOUCHETTE INCORPORÉE EN COFFRET

MÁQUINA DE SOLDAR MULTIFUNCIÓN CON ESCÁNER DE CÓDIGO DE BARRAS INCORPORADA EN CAJA

MEHRZWECK-SCHWEISSMASCHINE MIT BARCODE-SCANNER IM GEHÄUSE ENTHALTEN

UNIDADE DE SOLDA MULTIFUNCIÓN COM ESCANEADOR DE CÓDIGO DE BARRAS INCORPORADO NA CAIXA

SALDATRICE MULTIFUNZIONE CON LETTORE CODICE A BARRE INCORPORATA IN VALIGETTA

### MULTIFUNCTION WELDING UNIT INCORPORATED IN SUITCASE WITH BARCODE SCANNER

Code	Ø Welding Range	Voltage
19SSEL8404LP/220	20 ÷ 160	220V
19SSEL8404LP/110	20 ÷ 160	110V

welds up to DW Ø 110 piping - soude jusqu'à DP Ø 110 - suelda hasta DP Ø 110 - schweiß bis zu DW Rohr Ø 110 - solda até PD Ø 110 - solda fino a DP Ø 110  
welding kit available - kit de soudure disponible - kit de soldadura disponible - Schweiß-Kit vorrätig - kit de solda disponível - kit di saldatura disponibile

- Ambient temperature sensor
- Welding voltage regulation 5-42 V
- Download by means of USB technology
- Power Max: 1500 VA
- Size: 510x410xH200 mm
- Weight: 16 kg
- Index Protection: IP54

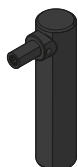
- Détection de la température ambiante
- Réglage de la tension de soudure entre 5 et 42 V
- Déchargement à ordinateur par technologie USB
- Puissance max: 1500 VA
- Dimensions: 510x410xH200 mm
- Poids: 16 kgs
- Protection: IP54

- Medición temperatura ambiente
- Regulación de la tensión de soldadura 5-42 V.
- Descarga datos a ordenador por medio de tecnología USB
- Potencia máxima: 1500 VA
- Dimensiones: 510x410xH200 mm
- Peso: 16 kg
- Protección: IP54

- Erfassung der Raumtemperatur
- Einstellung der Schweißspannung 5-42 V
- USB-Technologie für die Fernübertragung der Schweißprotokolle und der Drucktests
- Max. Leistung: 1500 VA
- Abmessungen: 510x410xH200 mm
- Gewicht: 16 kg
- Schutzgrad IP54

- Detecção da temperatura ambiente
- Ajuste da tensão de solda 5-42 V
- Download para PC via tecnologia USB
- Potência máxima 1500 VA
- Dimensões 510x410xH200 mm
- Peso: 16 kg
- Protecção: IP54

- Rilevazione temperatura ambiente
- Regolazione della tensione di saldatura 5-42 V
- Scarico dati tramite collegamento USB a PC
- Potenza Max: 1500 VA
- Dimensioni: 510x410xH200 mm
- Peso: 16 kg
- Protezione: IP54



ADAPTATEUR 90° POUR CONNECTEURS

ADAPTADOR 90° PARA CONECTADORES

90-ADAPTER FÜR VERBINDER

ADAPTADOR 90° PARA CONECTORES

ADATTATORE 90° PER CONNETTORI

### 90° ADAPTER FOR PIN CONNECTION

Code	Notes
00CONN4490	



# TOOLING



Nupi Welding Cloud



SOUDEUSE MULTI-FONCTION SMART AVEC DOUCHETTE INCORPORÉE EN COFFRET - VERSION LEGÈRE

MÁQUINA DE SOLDAR MULTIFUNCIÓN SMART CON ESCÁNER DE CÓDIGO DE BARRAS INCORPORADA EN CAJA - VERSIÓN LIGERA

MEHRZWECK-SCHWEISSMASCHINE MIT BARCODE-SCANNER IM GEHÄUSE ENTHALTEN - LEICHTE VERSION

UNIDADE DE SOLDA MULTIFUNCIONAL SMART COM ESCANEADOR DE CÓDIGO DE BARRAS INCORPORADO NA CAIXA - VERSÃO LEVE

SALDATRICE MULTIFUNZIONE SMART CON LETTORE CODICE A BARRE INCORPORATA IN VALIGETTA - VERSIONE LEGGERA

## MULTIFUNCTION - SMART - WELDING UNIT INCORPORATED IN SUITCASE - LIGHT VERSION

Code	Ø Welding Range	Voltage
19SMARTWELDLIGHT/220	20 ÷ 160	220V
19SMARTWELDLIGHT/110	20 ÷ 160	110V

SMARTWELD is the new avant-garde welding unit that together with Nupi Welding Cloud APP for smartphones allows overall management of all information about construction site, welds, traceability of the products installed, GPS tracking and testing.

SMARTWELD est la nouvelle unité de soudage d'avant-garde qui, avec Nupi Welding Cloud APP pour smartphones permet la gestion globale de toutes les informations sur le site de construction, les soudures, la traçabilité des produits installés, la localisation GPS et les essais.

SMARTWELD es la nueva unidad de soldadura de vanguardia que, junto con Nupi Welding Cloud APP para smartphones permite la gestión global de toda la información sobre el sitio de construcción, las soldaduras, la trazabilidad de los productos instalados, la localización por GPS y los ensayos.

SMARTWELD ist das neue Avantgarde-Schweißgerät, das zusammen mit Nupi Welding Cloud APP für Smartphones die umfassende Verwaltung aller Informationen hinsichtlich Baustellen, Schweißnähten, Rückverfolgbarkeit der installierten Produkte, GPS Tracking und Prüfvorgängen ermöglicht.

SMARTWELD é a nova unidade de soldagem de vanguardia que, juntamente com Nupi Welding Cloud APP para smartphones permite a administração global de todas as informações sobre o sítio de construção, soldas, rastreabilidade dos produtos instalados, rastreamento por GPS e atividades de teste.

SMARTWELD è la nuova saldatrice all'avanguardia che, insieme con la APP Nupi Welding Cloud per smartphone, consente la gestione globale di tutte le informazioni relative a sito di costruzione, saldature, tracciabilità dei prodotti installati, localizzazione GPS e test.

- Ambient temperature sensor
- Welding voltage regulation 5-42 V
- Download by means of USB technology
- Power Max: 1500 VA
- Size: 510x410xH200 mm
- Weight: 16 kg
- Index Protection: IP54

- Détection de la température ambiante
- Réglage de la tension de soudure entre 5 et 42 V
- Déchargement à ordinateur par technologie USB
- Puissance max: 1500 VA
- Dimensions: 510x410xH200 mm
- Poids: 16 kgs
- Protection: IP54

- Medición temperatura ambiente
- Regulación de la tensión de soldadura 5-42 V.
- Descarga datos a ordenador por medio de tecnología USB
- Potencia máxima: 1500 VA
- Dimensiones: 510x410xH200 mm
- Peso: 16 kg
- Protección: IP54

- Erfassung der Raumtemperatur
- Einstellung der Schweißspannung 5-42 V
- USB-Technologie für die Fernübertragung der Schweißprotokolle und der Drucktests
- Max. Leistung: 1500 VA
- Abmessungen: 510x410xH200 mm
- Gewicht: 16 kg
- Schutzgrad IP54

- Detecção da temperatura ambiente
- Ajuste da tensão de solda 5-42 V
- Download para PC via tecnologia USB
- Potência máxima 1500 VA
- Dimensões 510x410xH200 mm
- Peso: 16 kg
- Protecção: IP54

- Rilevazione temperatura ambiente
- Regolazione della tensione di saldatura 5-42 V
- Scarico dati tramite collegamento USB a PC
- Potenza Max: 1500 VA
- Dimensioni: 510x410xH200 mm
- Peso: 16 kg
- Protezione: IP54

Please ask NUPI INDUSTRIE ITALIANE for availability time - s'il vous plaît contacter NUPI INDUSTRIE ITALIANE pour le temps de disponibilité- por favor contacten con NUPI INDUSTRIE ITALIANE para el tiempo de disponibilidad - para os tempos de disponibilidade favor contactar a NUPI INDUSTRIE ITALIANE – wegen der Verfügbarkeitszeiten wenden Sie sich bitte an NUPI INDUSTRIE ITALIANE - si prega di contattare NUPI INDUSTRIE ITALIANE per i tempi di disponibilità





# TOOLING



KIT DE SOUDURE POUR SYSTÈME SIMPLE PAROI  
 KIT DE SOLDAR PARA SISTEMA SIMPLE PARED  
 SCHWEISS-KIT FÜR EINWANDIGES ROHRSYSTEM  
 KIT DE SOLDA PARA SISTEMA DE PAREDE SIMPLES  
 KIT DI SALDATURA PER SISTEMI SINGOLA PARETE

## WELDING KIT (SW ONLY)

Code	Notes
19SSET5/220	for/pour/para/für/para/per 19SSEL8404/220
19SSET5/110	for/pour/para/für/para/per 19SSEL8404/110
19SSET5LIGHT/220	for/pour/para/für/para/per 19SSEL8404L/220
19SSET5LIGHT/110	for/pour/para/für/para/per 19SSEL8404L/110
19SSET5LP/220	for/pour/para/für/para/per 19SSEL8404LP/220
19SSET5LP/110	for/pour/para/für/para/per 19SSEL8404LP/110
19SSET5SMARTWL/220 	for/pour/para/für/para/per 19SMARTWELDLIGHT
19SSET5SMARTWL/110 	for/pour/para/für/para/per 19SMARTWELDLIGHT/110

### The kit includes:

- no. 1 welding unit
- no. 1 manual scraper (19RAM1)
- no. 1 pipe cutter (19SCUT)
- no. 1 universal scraper (00RAT1A)
- no. 1 spare blades set (00RATKITR1CN, 19SLRCUT)
- no. 1 white marker (00MARK)

### Le kit inclut:

- n. 1 machine à souder
- n. 1 gratteur manuel (19RAM1)
- n. 1 coupe-tube (19SCUT)
- n. 1 gratteur universel (00RAT1A)
- n. 1 set de lames de rechange (00RATKITR1CN, 19SLRCUT)
- n. 1 stylo (00MARK)

### El kit incluye:

- n. 1 maquina de soldar
- n. 1 raspador manual (19RAM1)
- n. 1 corta-tubo (19SCUT)
- n. 1 raspador universal (00RAT1A)
- n. 1 conjunto de cuchillas de repuesto (00RATKITR1CN, 19SLRCUT)
- n. 1 marcador (00MARK)

### Der Schweiß-Kit umfasst:

- n. 1 Schweißmaschine
- n. 1 Handschaber (19RAM1)
- n. 1 Rohrabschneider (19SCUT)
- n. 1 Allzweck-Schaber (00RAT1A)
- n. 1 Ersatzklingensatz (00RATKITR1CN, 19SLRCUT)
- n. 1 Markierungsstift (00MARK)

### O kit contém:

- 1 unidade de solda
- 1 raspador manual (19RAM1)
- 1 corta-tubo (19SCUT)
- 1 raspador rotativo universal (00RAT1A)
- 1 jogo de lâminas sobressalentes (00RATKITR1CN, 19SLRCUT)
- 1 caneta marcadora (00MARK)

### Il kit include:

- n. 1 saldatrice
- n. 1 raschietto manuale (19RAM1)
- n. 1 tagliatubo (19SCUT)
- n. 1 raschietto universale (00RAT1A)
- n. 1 set di lame di ricambio (00RATKITR1CN, 19SLRCUT)
- n. 1 pennarello (00MARK)





# TOOLING



KIT DE SOUDURE POUR SIMPLE ET DOUBLE PAROI  
 KIT DE SOLDAR PARA SIMPLE Y DOBLE SIMPLE PARED  
 SCHWEISS-KIT FÜR EINWANDIGES UND DOPPELWANDIGES ROHRSYSTEM  
 KIT DE SOLDA PARA PAREDE SIMPLES E DUPLA  
 KIT DI SALDATURA PER SINGOLA E DOPPIA PARETE

## WELDING KIT (SW AND DW)

Code	Notes
19SSET6/220	for/pour/para/für/para/per 19SSEL8404/220
19SSET6/110	for/pour/para/für/para/per 19SSEL8404/110
19SSET6LIGHT/220	for/pour/para/für/para/per 19SSEL8404L/220
19SSET6LIGHT/110	for/pour/para/für/para/per 19SSEL8404L/110
19SSET6LP/220	for/pour/para/für/para/per 19SSEL8404LP/220
19SSET6LP/110	for/pour/para/für/para/per 19SSEL8404LP/110
19SSET6SMARTWL/220 	for/pour/para/für/para/per 19SMARTWELDLIGHT
19SSET6SMARTWL/110 	for/pour/para/für/para/per 19SMARTWELDLIGHT/110

The kit includes:

- no. 1 welding unit
- no. 1 manual scraper (19RAM1)
- no. 1 pipe cutter (19SCUT)
- no. 1 pipe cutter for double wall pipe (19SCUTDW)
- no. 1 universal scraper (00RAT1A)
- no. 1 spare blades set (00RATKITRICN, 19SLRCUT, 19SLRDW)
- no. 1 white marker (00MARK)
- no. 1 pliers for double wall pipe (19SPLIDW)
- no. 1 spare protection sleeves (19STP)

Le kit inclut:

- n. 1 machine à souder
- n. 1 gratteur manuel (19RAM1)
- n. 1 coupe-tube (19SCUT)
- n. 1 coupe-tube pour double paroi (19SCUTDW)
- n. 1 gratteur universel (00RAT1A)
- n. 1 set de lames de rechange (19RATKITRICN, 19SLRCUT, 19SLRDW)
- n. 1 stylo (00MARK)
- n. 1 pince pour tuyauterie double enveloppe (19SPLIDW)
- n. 1 gabarits de rechange (19STP)

El kit incluye:

- n. 1 máquina de soldar
- n. 1 raspador manual (19RAM1)
- n. 1 corta-tubo (19SCUT)
- n. 1 corta-tubo doble pared (19SCUTDW)
- n. 1 raspador universal (00RAT1A)
- n. 1 set de cuchillas de repuesto (00RATKITRICN, 19SLRCUT, 19SLRDW)
- n. 1 marcador (00MARK)
- n. 1 pinzas para tubería doble pared (19SPLIDW)
- n. 1 gálambos de repuesto (19STP)

Der Schweiß-Kit umfasst:

- n. 1 Schweißmaschine
- n. 1 Handschaber (19RAM1)
- n. 1 Rohrab Schneider (19SCUT)
- n. 1 Rohrab Schneider für doppelwandiges Rohrsystem (19SCUTDW)
- n. 1 Allzweck-Schaber (00RAT1A)
- n. 1 Ersatzklingensatz (19RATKITRICN, 19SLRCUT, 19SLRDW)
- n. 1 Markierungsstift (00MARK)
- n. 1 Zange für doppelwandiges Rohrsystem (19SPLIDW)
- n. 1 Ersatzschuttschablone (19STP)

O kit contém:

- 1 unidade de solda
- 1 raspador manual (19RAM1)
- 1 corta-tubo (19SCUT)
- 1 corta-tubo para tubo de parede dupla (19SCUTDW)
- 1 raspador rotativo universal (00RAT1A)
- 1 jogo de lâminas sobressalentes (00RATKITRICN, 19SLRCUT, 19SLRDW)
- 1 caneta marcadora (00MARK)
- 1 alicate de pressão para tubo de parede dupla (19SPLIDW)
- 1 união sobressalente (19STP)

Il kit include:

- n. 1 saldatrice
- n. 1 raschietto manuale (19RAM1)
- n. 1 tagliatubo (19SCUT)
- n. 1 Tagliatubo per tubo doppia parete (19SCUTDW)
- n. 1 raschietto universale (00RAT1A)
- n. 1 set di lame di ricambio (00RATKITRICN, 19SLRCUT, 19SLRDW)
- n. 1 pennarello (00MARK)
- n. 1 pinza per tubo doppia parete (19SPLIDW)
- n. 1 manicotti di protezione di ricambio (19STP)





## TOOLING



UNITÉ POUR ESSAI (PRESSION OU VIDE)  
 UNIDAD DE PRUEBA (PRESIÓN O VACÍO)  
 TESTEINHEIT (DRUCK ODER VAKUUM)  
 DISPOSITIVO DE TESTE (PRESSÃO OU VÁCUO)  
 UNITÀ PER TEST DI COLLAUDO (PRESSIONE O VUOTO)

### TEST UNIT

Code	Notes
00SENS010	Pressure test unit/Appareil pour essai de pression/Aparato para prueba de presión/Drucktestgerät-Maschine/Dispositivo de teste de pressão/Unità per test di pressione
19SVTU	Vacuum test unit/Appareil pour essai sous vide/Aparato para prueba bajo vacío/Vakuumentestgerät-Maschine/Dispositivo de teste de vácuo/Unità per test sotto vuoto

(\* use with SMARTFLEX welding unit - utiliser avec machine à souder SMARTFLEX - usar con máquina de soldar SMARTFLEX - mit SMARTFLEX Schweißmaschine benutzen - usar com unidade de solda SMARTFLEX - utilizzare con saldatrice SMARTFLEX



COUPE-TUBE AVEC LAMES DE RECHANGE  
 CORTATUBO CON CUCHILLAS DE REPUESTO  
 ROHRABSCHNEIDER MIT ERSATZKLINGEN  
 CORTA-TUBO E LÂMINAS SOBRESSALENTES  
 TAGLIATUBO CON LAME DI RICAMBIO

### PIPE CUTTER AND SPARE BLADES

Code	Ø	Notes
19SCUT3	32 ÷ 40	
19SCUT	50 ÷ 125	
19SLRCUT	50 ÷ 125	spare blade/lame de réchange/cuchilla de repuesto/Ersatzklinge lâmina sobressalente/lama di ricambio
19SCUT2	75 ÷ 180	
19SLRCUT2	75 ÷ 180	spare blade/lame de réchange/cuchilla de repuesto/Ersatzklinge lâmina sobressalente/lama di ricambio



SUPPORT À SERRAGE CONCENTRIQUE POUR TUYAUX DOUBLE ENVELOPPE Ø90/125  
 SOPORTE DE APRIETE CONCÉNTRICO PARA TUBOS DOBLE PARED Ø90/125  
 KONZENTRISCHER SPANNHALTER FÜR DOPPELWANDIGES ROHR Ø90/125  
 SUPORTE DE FIXAÇÃO CONCÊNTRICO PARA TUBOS DA PAREDE DUPLA Ø90/125  
 SUPPORTO DI CENTRAGGIO CONCENTRICO PER TUBI DOPPIA PARETE Ø90/125

### CONCENTRIC TIGHTENING SUPPORT FOR DOUBLE WALL PIPE Ø90/125

Code	Ø	Notes
19SPINZABOX	90 ÷ 125	40 pieces/pièces/piezas/Stück/peças/pezzi





## TOOLING



COUPE-TUBE POUR TUYAU DOUBLE PARI AVEC LAMES DE RECHANGE - GABARITS DE PROTECTION  
 CORTA-TUBO PARA TUBO DOBLE PARED CON CUCHILLAS DE REPUESTO - GÁLIBOS DE PROTECCIÓN  
 ROHRABSCHNEIDER FÜR DOPPELWANDIGES ROHR MIT ERSATZKLINGEN - SCHUTZSCHABLONE  
 CORTA-TUBO PARA TUBO DE PAREDE DUPLA E LÂMINAS SOBRESSALENTES - UNIÕES DE PROTECCÃO  
 TAGLIATUBO PER TUBO DOPPIA PARETE CON LAME DI RICAMBIO - MANICOTTI DI PROTEZIONE

### PIPE CUTTER AND SPARE BLADES FOR DW PIPE - PROTECTION SLEEVES

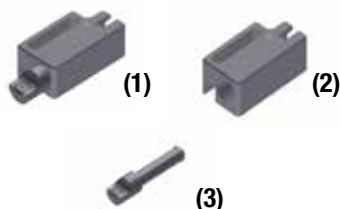
Code	∅	Notes
19SCUTDW <sup>(1)</sup>	50 - 63	
19SLRDW	50 - 63	spare blade/lame de réchange/cuchilla de repuesto/Ersatz Klinge lâmina sobressalente/lama di ricambio
19STP32 <sup>(2)</sup>	32	protection sleeves/gabarits de protection/gálbos de protección/Schutzschablone/ uniões de protecção/manicotti di protezione
19STP <sup>(2)</sup>	50 - 63	protection sleeves/gabarits de protection/gálbos de protección/Schutzschablone/ uniões de protecção/manicotti di protezione
19STP90 <sup>(2)</sup>	90	protection sleeves/gabarits de protection/gálbos de protección/Schutzschablone/ uniões de protecção/manicotti di protezione
19STP110 <sup>(2)</sup>	110	protection sleeves/gabarits de protection/gálbos de protección/Schutzschablone/ uniões de protecção/manicotti di protezione



GRATTEUR UNIVERSEL TANGENTIEL AVEC LAMES DE RECHANGE  
 RASPADOR UNIVERSAL TANGENCIAL CON CUCHILLAS DE REPUESTO  
 TANGENTIAL-ALLZWECK-SCHABER MIT ERSATZKLINGEN  
 RASPADOR UNIVERSAL TANGENCIAL E LÂMINAS SOBRESSALENTES  
 RASCHIETTO UNIVERSALE TANGENZIALE CON LAME DI RICAMBIO

### UNIVERSAL SCRAPER AND SPARE BLADES

Code	∅	Notes
19RATO	32 ÷ 180	
19RATOSB	32 ÷ 180	spare blade/lame de réchange/cuchilla de repuesto/Ersatz Klinge lâmina sobressalente/lama di ricambio



PIÈCES DE RECHANGE POUR GRATTEUR UNIVERSEL TANGENTIEL  
 PIEZAS DE REPUESTO PARA RASPADOR UNIVERSAL TANGENCIAL  
 ZUBEHÖR FÜR TANGENTIAL-ALLZWECK-SCHABER  
 PEÇAS DE REPOSIÇÃO PARA RASPADOR UNIVERSAL TANGENCIAL  
 PARTI DI RICAMBIO PER RASCHIATORE UNIVERSALE TANGENZIALE

### SPARE PARTS FOR UNIVERSAL SCRAPER

Code	Notes
19BSB <sup>(1)</sup>	blade support block/bloc support lame/bloque soporte cuchilla Klingenhalterung Block/bloco suporte lâmina/blocco porta placca
19BSC <sup>(2)</sup>	blade support case/coffret support lame/caja soporte cuchilla Klingenhalterungsgehäuse/envólucro suporte lâmina/blocco porta gruppo taglio
19BS <sup>(3)</sup>	blade support/support lame/soporte cuchilla Klingenhalterung/suporte lâmina/porta placca

until stock exhaustion - jusqu'au épuisement du stock - hasta agotar existencias - solange der Vorrat reicht - até o término das peças em estoque - fino ad esaurimento scorte



## TOOLING



TURBO-GRATTEUR POUR PERCEUSE  
 RASPADOR TURBO PARA TALADRO  
 TURBO-SCHABER FÜR BOHRER  
 RASPADOR TURBO PARA BROCA  
 RASCHIETTO TURBO PER TRAPANO

### TURBO SCRAPER FOR DRILL

Code	∅
00RATURB032	32
00RATURB050	50
00RATURB063	63



(1)



(2)

GRATTEUR CIRCONFÉRENTIEL – CENTRÉ SUR LE DIAMÈTRE EXTERNE DU TUYAU  
 RASPADOR CIRCUNFERENCIAL – CENTRADO EN EL DIAMETRO EXTERNO DEL TUBO  
 DREHSCHABER – AUF DEM ROHRAUSSENDURCHMESSER ZENTRIERT  
 RASPADOR CIRCUNFERENCIAL – CENTRADO NO DIÂMETRO EXTERNO DO TUBO  
 RASCHIETTO CIRCONFERENZIALE – CENTRATO SUL DIAMETRO ESTERNO DEL TUBO

### REVOLVING SCRAPER – PIPE OD CENTERED

Code	∅	Notes
00RATOR25075 <sup>(1)</sup>	25 ÷ 75	
00RATOR25125 <sup>(2)</sup>	25 ÷ 125	
00RATOR63200 <sup>(2)</sup>	63 ÷ 200	
00RATOR63200LR	63 ÷ 200	spare blade/lame de réchange/cuchilla de repuesto/Ersatzklinge lâmina sobressalente/lama di ricambio



(1)



(2)

GRATTEUR CIRCONFÉRENTIEL – CENTRÉ SUR LE DIAMÈTRE INTERNE DU TUYAU  
 RASPADOR CIRCUNFERENCIAL – CENTRADO EN EL DIAMETRO INTERNO DEL TUBO  
 DREHSCHABER – AUF DEM ROHRINNENDURCHMESSER ZENTRIERT  
 RASPADOR CIRCUNFERENCIAL – CENTRADO NO DIÂMETRO INTERNO DO TUBO  
 RASCHIETTO CIRCONFERENZIALE – CENTRATO SUL DIAMETRO INTERNO DEL TUBO

### REVOLVING SCRAPER – PIPE ID CENTERED

Code	∅	Notes
00RAT1RIT <sup>(1)</sup>	50 ÷ 160	
00RAT1A <sup>(2)</sup>	75 ÷ 160	
00RAT2A <sup>(2)</sup>	200 ÷ 400	for/pour/para/für/para/per TSMAS/TSMASHS225
00RATKITR1CN <sup>(2)</sup>	50 ÷ 400	spare blade/lame de réchange/cuchilla de repuesto/Ersatzklinge lâmina sobressalente/lama di ricambio



## TOOLING



GRATTEUR POUR SUPERSMARTFLEX  
 RASPADOR PARA SUPERSMARTFLEX  
 SCHABER FÜR SUPERSMARTFLEX  
 RASPADOR PARA SUPERSMARTFLEX  
 RASCHIETTO PER SUPERSMARTFLEX

### SCRAPER FOR SUPERSMARTFLEX

Code	Ø
00RATUL50	50
00RATUL63	63



KIT PERCEUSE POUR GRATTEUR POUR SUPERSMARTFLEX  
 KIT TALADRO PARA RASPADOR PARA SUPERSMARTFLEX  
 KIT BOHRER FÜR SCHABER FÜR SUPERSMARTFLEX  
 KIT BROCA PARA RASPADOR PARA SUPERSMARTFLEX  
 KIT TRAPANO PER RASCHIETTO PER SUPERSMARTFLEX

### DRILL KIT FOR SCRAPER FOR SUPERSMARTFLEX

Code	Ø	Notes
00RATUL50KD	50	for/pour/para/für/para/per 19TSMAXPD50
00RATUL63KD	63	for/pour/para/für/para/per 19TSMAXPD63



GRATTEUR MANUEL  
 RASPADOR MANUAL  
 HANDSCHABER  
 RASPADOR MANUAL  
 RASCHIETTO MANUALE

### MANUAL SCRAPER

Code	Notes
19RAM1	recommended for polyethylene/recommandé pour polyéthylène recomendado para polietileno/für Polyäthylen empfohlen recomendado para polietileno/consigliato per polietilene



## TOOLING



GRATTEUR MANUEL POUR SUPERSMARTFLEX  
RASPADOR MANUAL PARA SUPERSMARTFLEX  
HANDSCHABER FÜR SUPERSMARTFLEX  
RASPADOR MANUAL PARA SUPERSMARTFLEX  
RASCHIETTO MANUALE PER SUPERSMARTFLEX



### MANUAL SCRAPER FOR SUPERSMARTFLEX

Code

19RAM2



PINCE POUR TUYAUTERIE DOUBLE ENVELOPPE  
PINZAS PARA TUBERÍA DOBLE PARED  
ZANGE FÜR DOPPELWANDIGES ROHRSYSTEM  
ALICATE DE PRESSÃO PARA TUBO DE PAREDE DUPLA  
PINZA PER TUBO DOPPIA PARETE

### PLIERS FOR DOUBLE WALL PIPE

Code

∅

19SPLIDW

50 - 63



STYLO BLANC  
MARCADOR BLANCO  
WEISSER MARKIERUNGSSTIFT  
CANETA MARCADORA  
PENNARELLO BIANCO

### WHITE MARKER

Code

00MARK



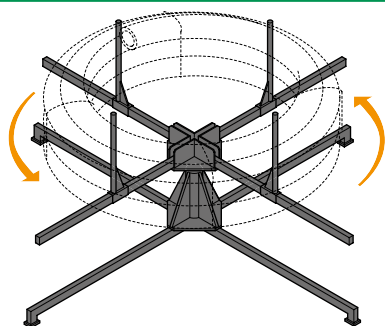
## TOOLING



ALIGNEUR  
POSICIONADOR  
ROHRHALTEVORRICHTUNG  
ALINHADOR  
ALLINEATORE

### PIPE ALIGNER

Code	Ø
00ALL225/4	50 ÷ 225



DÉROULEUSE POUR TUYAU 32 - 90 MM  
DESARROLLADOR PARA TUBO 32 - 90 MM  
ABROLLER FÜR 32 - 90 MM ROHR  
DESBOBINADOR PARA TUBO 32 - 90 MM  
SVOLGITORE PER TUBO 32 - 90 MM

### UNCOILER FOR 32-90 MM PIPE

Code
19SSVOL



ÉJECTEUR  
EYECTOR  
EJEKTOR  
BOMBA EJETORA  
EIETTORE

### EJECTOR PUMP

Code	Notes
19SVE	vacuum device/appareil sous vide/aparato bajo vacío Vakuumgerät/dispositivo de vacío/dispositivo per sotto vuoto



## TOOLING



PÂTE ETANCHE  
SELLADOR  
DICHTUNGSMITTEL  
SELANTE DE ROSCA  
SIGILLANTE PER FILETTI

### THREAD SEALANT

Code	Notes
00SF	75 gr tube/tube gr.75/tubo gr.75 Tube gr.75/tubo gr.75



DÉTERGENT  
DETERGENTE  
REINIGUNGSMITTEL  
DETERGENTE  
DETERGENTE

### PRIMER

Code	Notes
00LID1	1000 ml aerosol

includes butane, propane and isopropane - incluit butane, propane et isopropanol - incluye butano, propano e isopropanol - enthält Butan, Propan und Isopropanol - contém butano, propano e isopropano - contiene butano, propano e isopropanolo



BANDE TRACEUR  
CINTA INDICADORA  
MARKIERUNGSBAND  
FITA MARCADORA  
NASTRO SEGNALETICO

### TRACER TAPE

Code	Notes
19STRACERTAPE	100 m coils/couronnes/rollos/Rollen/bobinas/rotoli



## TOOLING FOR PRESSURE TEST

OUTILLAGE POUR ESSAI DE PRESSION - HERRAMIENTAS PARA PRUEBA DE PRESIÓN - WERKZEUGE FÜR DRUCKPRÜFUNG - INSTRUMENTOS PARA TESTE DE PRESSÃO - ATTREZZATURA PER TEST DI PRESSIONE



### AUTOMATIC MULTIFUNCTION WELDING UNIT WITH BARCODE SCANNER

SOUDEUSE MULTI-FONCTION AVEC DOUCHETTE  
MAQUINA DE SOLDAR MULTIFUNCIÓN CON ESCÁNER DE CÓDIGO DE BARRAS  
MEHRZWECK-SCHWEISSMASCHINE MIT BARCODE-SCANNER  
UNIDADE DE SOLDA MULTIFUNCIONAL COM ESCANEADOR DE CÓDIGO DE BARRAS  
SALDATRICE MULTIFUNZIONE CON LETTORE CODICE A BARRE



### TUBE FOR PRESSURE TEST AND MONITORING

TUBE POUR ESSAI DE PRESSION ET MONITORAGE  
TUBO PARA PRUEBA DE PRESIÓN Y MONITORIZACIÓN  
PRÜFROHR FÜR DRUCKTEST UND ÜBERWACHUNG  
TUBO PARA TESTE DE PRESSÃO E MONITORAMENTO  
TUBO PER PROVA IN PRESSIONE E MONITORAGGIO



### FEMALE ADAPTER FOR PRESSURE TEST

ADAPTATEUR FEMELLE POUR ESSAI DE PRESSION  
ADAPTADOR HEMBRA PARA PRUEBA DE PRESIÓN  
ADAPTER MIT INNENGEWINDE FÜR DRUCKTEST  
ADAPTADOR FÉMEA PARA TESTE DE PRESSÃO  
ADATTATORE FEMMINA PER PROVA IN PRESSIONE



### TEST UNIT

UNITÉ POUR ESSAI  
UNIDAD DE PRUEBA  
TESTEINHEIT  
DISPOSITIVO DE TESTE  
UNITÀ PER TEST DI COLLAUDO



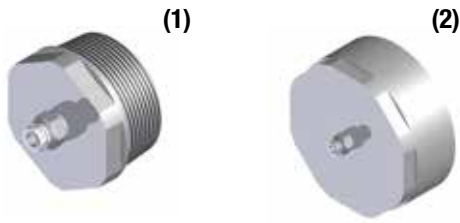
### MANIFOLD FOR LEAK DETECTION SYSTEM

COLLECTEUR POUR SYSTÈME DE DÉTECTION DE FUITES  
COLECTOR PARA SISTEMA DE DETECCIÓN DE FUGAS  
VERTEILER FÜR LECKÜBERWACHUNGSSYSTEM  
MANIFOLD PARA SISTEMA DE MONITORAMENTO DE VAZAMENTOS  
COLECTOR PER SISTEMA DI MONITORAGGIO PERDITE





## ITEMS TO SUPPORT THE INSTALLATION



BOUCHON POUR TEST DU SYSTÈME AVEC PRISE DE TEST  
 TAPÓN PARA PRUEBA DE SISTEMA CON VÁLVULA DE PRUEBA  
 KAPPE FÜR SYSTEMTEST MIT TESTANSCHLUSS  
 TAMPA PARA TESTE DO SISTEMA COM TOMADA DE TESTE  
 TAPPO PROVA IMPIANTI CON TEST PORT

### CAP FOR SYSTEM TEST WITH TEST PORT

Code	ø	Notes
19STLCF112M2 <sup>(1) (*)</sup>	1 1/2" x 2"	
19STLCF1M112 <sup>(1) (*)</sup>	1" x 1 1/2"	
19STLCF2M3 <sup>(1) (*)</sup>	2" x 3"	
19STLCF3M4 <sup>(1) (*)</sup>	3" x 4"	
19STLCF4 <sup>(2) (**)</sup>	4"	

<sup>(\*)</sup> male thread UNI EN 10226-1 – filetage mâle UNI EN 10226-1 – rosca macho UNI EN 10226-1 – Aussengewinde UNI EN 10226-1 – rosca macho UNI EN 10226-1 – filettatura maschio UNI EN 10226-1

<sup>(\*\*)</sup> female thread ISO 228 – filetage femelle ISO 228 – rosca hembra ISO 228 – Innengewinde ISO 228 – rosca fêmea ISO 228 – filettatura femmina ISO 228



BRIDE AVEUGLE POUR TEST DU SYSTÈME PN10 AVEC PRISE DE TEST  
 BRIDA CIEGA PARA PRUEBA DE SISTEMA PN10 CON VÁLVULA DE PRUEBA  
 BLINDFLANSCH FÜR SYSTEMTEST PN10 MIT TESTANSCHLUSS  
 FLANGE CEGO PARA TESTE DO SISTEMA PN10 COM TOMADA DE TESTE  
 FLANGIA CIECA PROVA IMPIANTI PN10 CON TEST PORT

### BLIND FLANGE FOR SYSTEM TEST PN10 WITH TEST PORT

Code	ø (PE)	Notes
19SFU5010TP	50	
19SFU6310TP	63	
19SFU9010TP	90	
19SFU11010TP	110	

NEW



SAC AVEC 50 BOUCHONS POUR LA PROTECTION DES COSSES  
 BOLSA CON 50 TAPONES PARA PROTECCIÓN DE TERMINALES  
 BEUTEL MIT 50 SCHUTZKAPPEN FÜR KABELSCHUHE  
 SACO COM 50 TAMPAS PELA PROTECÇÃO DO TERMINAIS DE CABOS  
 SACCHETTO CON 50 TAPPINI PER PROTEZIONE CAPICORDA

### BAG WITH 50 CAPS FOR THE PROTECTION OF WELDING PINS

Code	Notes
19SFCAPS50	50 caps/bouchons/tapones/ Schutzkappen/tampas/tappini



## ITEMS TO SUPPORT THE INSTALLATION



RACCORD WIPEX POUR TUYAUTERIE EN POLYÉTHYLÈNE  
 RACOR WIPEX PARA TUBERÍA DE POLIETILENO  
 FITTING WIPEX FÜR POLYÄTHYLENROHRE  
 UNIÃO WIPEX PARA TUBOS EM POLIETILENO  
 RACCORDO WIPEX PER TUBI IN POLIETILENE

### WIPEX FITTING FOR POLYETHYLENE PIPES

Code	Ø	Notes
00SWIP50	50	for pipe/pour tuyau/para tubería/für Rohre/para tubulação/per tubo Ø 63
00SWIP80	80	for pipe/pour tuyau/para tubería/für Rohre/para tubulação/per tubo Ø 90



CONNEXION FLEXIBLE AVEC BRIDE OVAL TOURNANTE  
 CONEXIÓN FLEXIBLE CON BRIDA OVAL GIRATORIA  
 FLEXIBLE VERBINDUNG FÜR OVALEN DREHFLANSCH  
 CONEXÃO FLEXÍVEL COM FLANGE OVAL GIRATÓRIA  
 FLESSIBILE CON FLANGIA OVALE GIREVOLE

### FLEX CONNECTOR WITH OVAL FLANGE SWIVEL

Code	Notes
00SFLAOGIR	H. 250mm

pressure 1,5 bar max - pression 1,5 bar max. - presión 1,5 bar máx. - max. Druck 1,5 bar - pressão máx. 1,5 bar - pressione 1,5 bar max.



ROBINET À BILLE F/F PN25  
 LLAVE DE PASO ESFERA H/H PN25  
 KUGELHAHN I/I PN25  
 VÁLVULA DE ESFERA F/F PN25  
 VALVOLA A SFERA F/F PN25

### BALL VALVE F/F PN25

Code	Ø	Notes
00SFERAFF25	25	for pipe/pour tuyau/para tubería/für Rohre/ para tubulação/per tubo Ø 32
00SFERAFF40	40	for pipe/pour tuyau/para tubería/für Rohre/para tubulação/per tubo Ø 50
00SFERAFF50	50	for pipe/pour tuyau/para tubería/für Rohre/ para tubulação/per tubo Ø 63
00SFERAFF80	80	for pipe/pour tuyau/para tubería/für Rohre/ para tubulação/per tubo Ø 90
00SFERAFF100	100	for pipe/pour tuyau/para tubería/für Rohre/ para tubulação/per tubo Ø 110



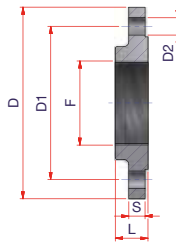
TUYAU FLEXIBLE TRESSÉ  
 MANGUERA TRENZADA  
 FLEXLEITUNG  
 TUBO FLEXÍVEL TRANÇADO  
 TUBO FLESSIBILE TRECCIATO

### BRAIDED HOSE

Code	Ø	Notes
19STFLEXMM112	1 1/2"	M/M - 300 mm - 35 bar
19STFLEXMF112	1 1/2"	M/F - 300 mm - 35 bar
19STFLEXMM2	2"	M/M - 300 mm - 35 bar



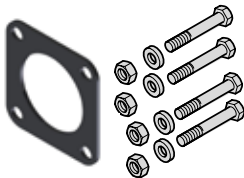
## ITEMS TO SUPPORT THE INSTALLATION



BRIDE FIXE TARAUDÉE EN1092  
BRIDA ROSCADA HEMBRA EN1092  
FLANSCH MIT INNENGEWINDE EN1092  
FLANGE ROSCA FÊMEA EN1092  
FLANGIA FEMMINA EN1092

### FEMALE FLANGE EN1092 (FLAFF)

Code	ø	Pn	F	Dn	D	D1	D2	S	L	Holes (no.)	Screws (type)	Notes
00FLAFF112	40 x 1 1/2"	16	1 1/2"	40	150	110	18	13	26	4	M16	
00FLAFF2	50 x 2"	16	2"	50	165	125	18	13	28	4	M16	UNI EN 1092-1
00FLAFF3	80 x 3"	16	3"	80	200	160	18	17	34	4	M16	
00FLAFF4	100 x 4"	16	4"	100	220	180	18	17	38	8	M20	

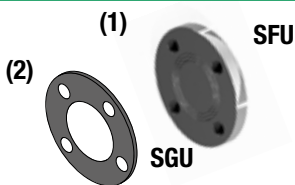


KIT D'ASSEMBLAGE POUR CONTREBRIDE SAQF-SAQM (SAQFMKI)  
KIT DE MONTAJE PARA CONTRABRIDA SAQF-SAQM (SAQFMKI)  
INSTALLATIONSKIT FÜR GEGENFLANSCH SAQF-SAQM (SAQFMKI)  
KIT MONTAGEM PARA CONTRAFLANGE SAQF-SAQM (SAQFMKI)  
KIT DI MONTAGGIO PER CONTROFLANGIA SAQF-SAQM (SAQFMKI)

### ASSEMBLY KIT FOR COUNTER FLANGE SAQF-SAQM (SAQFMKI)

Code	ø	Notes
19SAQFMKI112	50 x 1 1/2"	for/pour/para/für/para/per 19SAQF112 - 19SAQM112
19SAQFMKI2	63 x 2"	for/pour/para/für/para/per 19SAQF2 - 19SAQM2
19SAQFMKI3	90 x 3"	for/pour/para/für/para/per 19SAQF3 - 19SAQM3
19SAQFMKI4	110 x 4"	for/pour/para/für/para/per 19SAQF4 - 19SAQM4

Viton gasket/joint en Viton/junta de Viton/Viton-Dichtung/junta em Viton/guarnizione in Viton



FAUSSE BRIDE DE ALUMINIUM AVEC JOINT  
BRIDA CIEGA DE ALUMINIO CON JUNTA  
BLINDFLANSCH AUS ALUMINIUM MIT DICHTUNG  
FLANGE CEGO EM ALUMÍNIO COM JUNTA  
FLANGIA CIECA IN ALLUMINIO CON GUARNIZIONE

### ALUMINIUM BLIND FLANGE WITH GASKET

Code	ø	Notes
00SFU60910D50 <sup>(1)</sup>	50	DN40
00SFU60910D63 <sup>(1)</sup>	63	DN50
00SFU60910D90 <sup>(1)</sup>	90	DN80
00SFU60910D110 <sup>(1)</sup>	110	DN100
00SGU22530D50 <sup>(2)</sup>	50	DN40
00SGU22530D63 <sup>(2)</sup>	63	DN50
00SGU22530D90 <sup>(2)</sup>	90	DN80
00SGU22530D110 <sup>(2)</sup>	110	DN110



## ITEMS TO SUPPORT THE INSTALLATION



VANNE D'OBTURATION POUR ESSAI DE PRESSION  
 VÁLVULA OBTURADORA PARA PRUEBA DE PRESIÓN  
 VERSCHLUSSVENTIL FÜR DRUCKTEST  
 VÁLVULA OBTURADORA PARA TESTE DE PRESSÃO  
 VALVOLA DI OTTURAZIONE PER PROVA IN PRESSIONE

### CLOSURE VALVE FOR PRESSURE TEST

Code	Ø	Notes
00SPTCV50	50	DN40
00SPTCV63	63	DN50
00SPTCV90	90	DN80



MANOMÈTRE EN BAIN DE GLYCÉRINE  
 MANÓMETRO DE GLICERINA  
 MIT GLYZERIN GEFÜLLTES MANOMETER  
 MANÓMETRO DE GLICERINA  
 MANOMETRO A BAGNO DI GLICERINA

### GLYCERINE FILLED PRESSURE GAUGE

Code	Notes
00SMANGLI01	0 - 1 bar
00SMANGLI04	0 - 4 bar
00SMANGLI06	0 - 6 bar



MANOMÈTRE À VIDE RADIAL  
 VACUÓMETRO RADIAL  
 RADIALER VAKUUMMESSER  
 MANÓMETRO DE VÁCUO RADIAL  
 VUOTOMETRO RADIALE

### VACUUM GAUGE - RADIAL

Code	Notes
00SVUOT0600	0 - 600 mbar
00SVUOT1000	0 - 1000 mbar



## CAST IRON ITEMS



COURBE A GRAND RAYON M/F 90° EN FONTE  
 CURVA RADIO LARGO M/H 90° DE FUNDICIÓN  
 90°-KRÜMMER I/A-GEWINDE AUS GUSSEISEN, LANG  
 COTOVELO RAIÓ LONGO M/F 90° EM FERRO FUNDIDO  
 CURVA LUNGA M/F A 90° IN GHISA

### CAST IRON LONG SWEEP BEND M/F 90°

Code	Ø
19S01005007	1 1/2"
19S01005008	2"
19S0100500A	3"
19S0100500C	4"



COURBE A GRAND RAYON F/F 90° EN FONTE  
 CURVA RADIO LARGO H/H 90° DE FUNDICIÓN  
 90°-KRÜMMER I/I-GEWINDE AUS GUSSEISEN, LANG  
 COTOVELO RAIÓ LONGO F/F 90° EM FERRO FUNDIDO  
 CURVA LUNGA F/F A 90° IN GHISA

### CAST IRON LONG SWEEP BEND F/F 90°

Code	Ø
19S02005007	1 1/2"
19S02005008	2"
19S0200500A	3"
19S0200500C	4"



COUDE F/F 90° EN FONTE  
 CODO H/H 90° DE FUNDICIÓN  
 90°-KRÜMMER I/I-GEWINDE AUS GUSSEISEN  
 COTOVELO H/H 90° EM FERRO FUNDIDO  
 CURVA F/F A 90° IN GHISA

### CAST IRON ELBOW F/F 90°

Code	Ø
19S09005007	1 1/2"
19S09005008	2"
19S0900500A	3"
19S0900500C	4"



COUDE M/F 90° EN FONTE  
 CODO M/H 90° DE FUNDICIÓN  
 90°-KRÜMMER A/I-GEWINDE AUS GUSSEISEN  
 COTOVELO H/H 90° EM FERRO FUNDIDO  
 CURVA M/F A 90° IN GHISA

### CAST IRON ELBOW M/F 90°

Code	Ø
19S09205007	1 1/2"
19S09205008	2"
19S0920500A	3"
19S0920500C	4"



## CAST IRON ITEMS



COURBE A GRAND RAYON F/F 45° EN FONTE  
 CURVA RADIO LARGO H/H 45° DE FUNDICIÓN  
 45°-KRÜMMER I/I-GEWINDE AUS GUSSEISEN, LANG  
 COTOVELO RAIO LONGO H/H 45° EM FERRO FUNDIDO  
 CURVA LUNGA F/F A 45° IN GHISA

### CAST IRON LONG SWEEP BEND F/F 45°

Code	Ø
19S04005007	1 1/2"
19S04005008	2"
19S0400500A	3"
19S0400500C	4"



TÉ EN FONTE  
 TE DE FUNDICIÓN  
 T-STÜCK AUS GUSSEISEN  
 TUBO EM T EM FERRO FUNDIDO  
 TEE IN GHISA

### CAST IRON TEE

Code	Ø
19S13005007	1 1/2"
19S13005008	2"
19S1300500A	3"
19S1300500C	4"



TÉ REDUITE EN FONTE  
 TE REDUCIDA DE FUNDICIÓN  
 REDUZIERTES T-STÜCK AUS GUSSEISEN  
 TUBO EM T REDUZIDO EM FERRO FUNDIDO  
 TEE RIDOTTA IN GHISA

### CAST IRON REDUCING TEE

Code	Ø
19S13005878	2" x 1 1/2" x 2"
19S13005CAC	4" x 3" x 4"



TÉ CINTRÉ EN FONTE  
 TE CURVA DE FUNDICIÓN  
 T-STÜCK MIT KRÜMMER AUS GUSSEISEN  
 TUBO EM T COM COTOVELO EM FERRO FUNDIDO  
 TEE A UNA CURVA IN GHISA

### CAST IRON PITCHER TEE

Code	Ø
19S13105007	1 1/2"
19S13105008	2"
19S1310500A	3"
19S1310500C	4"



## CAST IRON ITEMS



MANCHON EN FONTE  
MANGUITO DE FUNDICIÓN  
MUFFE AUS GUSSEISEN  
UNIÃO EM FERRO FUNDIDO  
MANICOTTO IN GHISA

### CAST IRON COUPLER

Code	Ø
19S27005007	1 ½"
19S27005008	2"
19S2700500A	3"
19S2700500C	4"



MAMELON DOUBLE EN FONTE  
ROSCA DOBLE DE FUNDICIÓN  
DOPPELGEWINDE AUS GUSSEISEN  
NIPLE DUPLO EM FERRO FUNDIDO  
NIPPLO DOPPIO IN GHISA

### CAST IRON HEXAGON NIPPLE

Code	Ø
19S28005007	1 ½"
19S28005008	2"
19S2800500A	3"
19S2800500C	4"



BOUCHON EN FONTE  
TAPÓN DE FUNDICIÓN  
VERSCHLUSS AUS GUSSEISEN  
TAMPA EM FERRO FUNDIDO  
TAPPO IN GHISA CON BORDO

### CAST IRON PLUG

Code	Ø
19S29005007	1 ½"
19S29005008	2"
19S2900500A	3"
19S2900500C	4"



BOUCHON FEMELLE EN FONTE  
TAPA HEMBRA DE FUNDICIÓN  
KAPPE MIT INNENGEWINDE AUS GUSSEISEN  
CALOTA FÉMEA EM FERRO FUNDIDO  
CALOTTA FEMMINA IN GHISA

### CAST IRON CAP FEMALE

Code	Ø
19S30005007	1 ½"
19S30005008	2"
19S3000500A	3"
19S3000500C	4"





## CAST IRON ITEMS



MANCHON UNION Á JOINT CONIQUE EN FONTE  
UNIÓN ASIENTO CÓNICO DE FUNDICIÓN  
GUSSEISENVERBINDUNG MIT KONISCHEM SITZ  
UNIÃO COM SEDE CÓNICA EM FERRO FUNDIDO  
BOCCHETTONE A SEDE CONICA IN GHISA

### CAST IRON UNION, TAPER SEAT

Code	Ø
19S33005007	1 ½"
19S33005008	2"
19S3300500A	3"
19S3300500C	4"



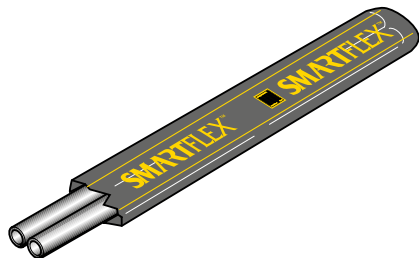
MANCHON UNION Á JOINT PLAT EN FONTE  
UNIÓN ASIENTO PLANO DE FUNDICIÓN  
GUSSEISENVERBINDUNG MIT FLACHEM SITZ  
UNIÃO COM SEDE PLANA EM FERRO FUNDIDO  
BOCCHETTONE A SEDE PIANA IN GHISA

### CAST IRON UNION, FLAT SEAT

Code	Ø
19S31005007	1 ½"
19S31005008	2"
19S3100500A	3"
19S3100500C	4"



## PACKAGING



BARRES: POIDS ET DIMENSIONS - CHAQUE COLIS INCLUT LE SUIVANT NUMÉRO DE BARRES  
 BARRAS: PESO Y DIMENSIONES - CADA BULTO INCLUYE EL SIGUIENTE NÚMERO DE BARRAS  
 STANGEN: GEWICHT UND GRÖSSE - JEDE PACKUNG ENTHÄLT DIE FOLGENDE STANGENANZAHL  
 BARRAS: PESO E MEDIDAS - CADA EMBALAGEM CONTÉM O SEGUINTE NÚMERO DE BARRAS  
 BARRE: PESO E DIMENSIONI - OGNI PACCO CONTIENE IL SEGUENTE NUMERO DI BARRE

### STRAIGHT LENGTHS/STICKS: SIZE AND WEIGHT - EACH PACKAGE INCLUDES THE FOLLOWING NUMBER OF LENGTHS

SW Ø (in.)	SW Ø (mm)	Quantity
1	32	8
1½	50	5
2	63	4
2½	75	3
3	90	2
4	110	2
5	125	1
6	160	1
9	225	1

DW Ø (in.)	DW Ø (mm)	Quantity
1½	50	4
2	63	3
3	90	1
4	110	1
6	160	1

Product	ITEM	COLOUR CODE	Applications
SuperSmartflex	TSMAXP, TSMAXS, TSMAXPD	Green/vert/verde/grün/verde	NV, VR, FL, PC, PS
Smartflex H	TSMAH, TSMAMD, TSMAS	Red/rouge/rojo/rot/vermelho/rosso	NV, VR, FL, PC, PS
Smartflex	TSMA, TSMAD, TSMAS, TSMASUREA	Green/vert/verde/grün/verde	NV, VR, FL, PC, PS, SC
Smartflex	T SMAU, TSMAUD	Yellow/jaune/amarillo/gelb/amarelo/giallo	NV, VR, FL
Smartflex	T SMAUREA, TSMADUREA	Silver/argent/plata/silber/prata/argento	NV, VR, FL, PC, PS
SuperSmartflex	T SMAUXP, T SMAUXPD	Yellow/jaune/amarillo/gelb/amarelo/giallo	NV, VR, PS

PS · Primary-Secondary/Primaire-Secondaire/Primario-Secondario/Medium-/Mantelrohr/Primário-Secundário/Primario-Secondario

PC · Primary Carrier/ Primaire/Primario/Mediumrohr/Primário/Primario

SC · Secondary Containment/Secondaire/Secondario/Mantelrohr/Secundário/Secondario

NV · Normal Vent/Event/Ventoe/Entlüftung/Respiro/Equilibrio

VR · Vapor Recovery/ Récupération de Vapeurs/Recuperación de Vapores/Gaspendingung/Linha de Vapor/Recupero Vapor

FL · Filling Lines/Dépotage/Llenado/Befüllung/Carregamento/Carico



## TECHNICAL NOTES

### QUICK CONVERSION FACTORS (APPROXIMATE TO WITHIN 10%)

To go from	To	
mm	in	Divide by 25
m	ft.	Multiply by 3
m <sup>2</sup>	sq. ft.	Multiply by 10
m <sup>3</sup>	cu. ft.	Multiply by 35
l	US/Imperial gal.	Divide by 4
kg	lb	Multiply by 2
kcal	BTU	Multiply by 4
kPa	psi	Divide by 7
bar	psi	Multiply by 15
°C	°F	(1.8 x °C) + 32
°F	°C	(°F - 32) ÷ 1.8

### CONVERSION FACTORS

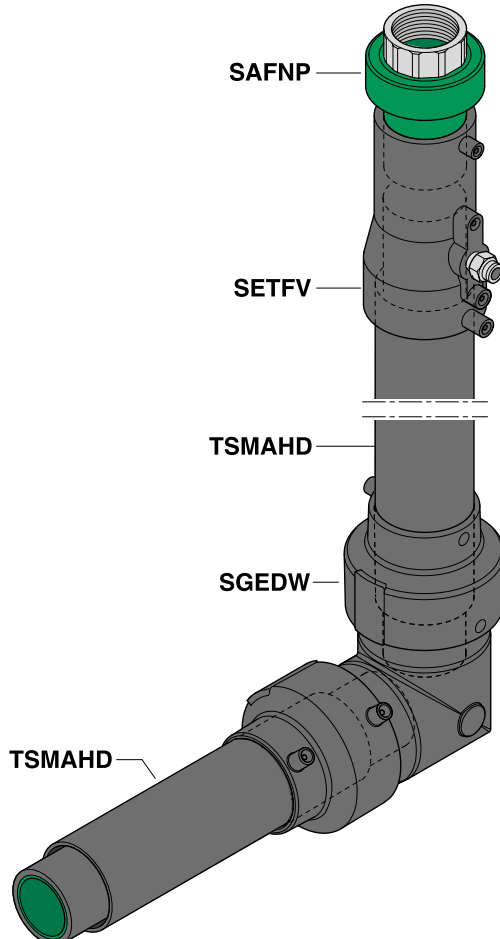
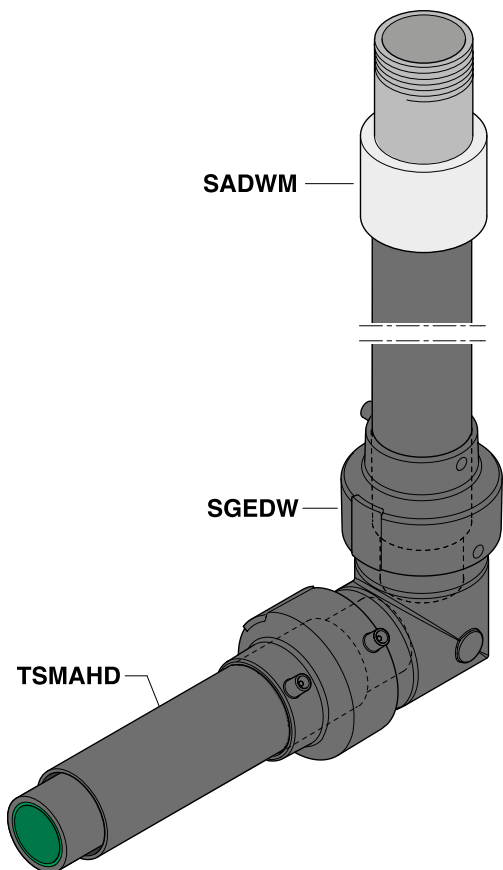
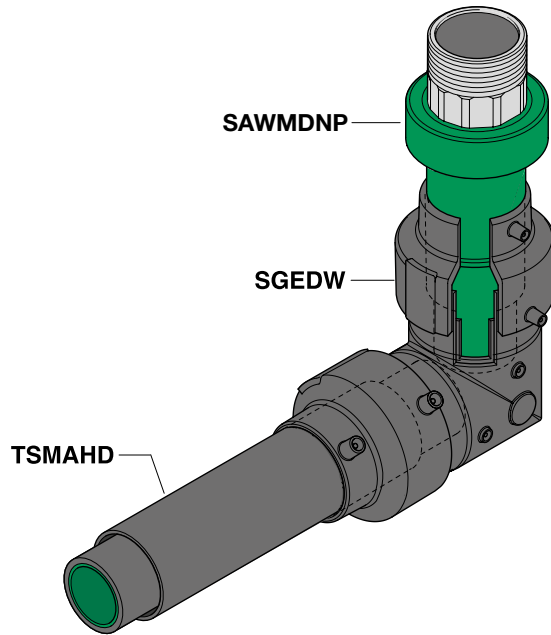
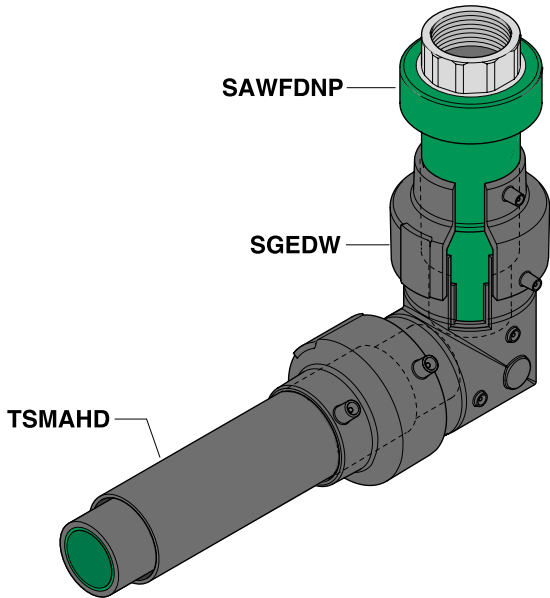
To go from	To		To go from	To	
mm	in	Divide by 25.4	in	mm	Multiply by 25.4
m	ft.	Multiply by 3.281	ft.	m	Multiply by 0.305
m <sup>2</sup>	sq. ft.	Multiply by 10.76	sq. ft.	m <sup>2</sup>	Multiply by 0.093
m <sup>3</sup>	cu. ft.	Multiply by 35.31	cu. ft.	m <sup>3</sup>	Multiply by 0.028
l	US gal.	Multiply by 0.264	US gal.	l	Multiply by 3.785
l	Imperial gal.	Multiply by 0.220	Imperial gal.	l	Multiply by 4.546
kg	lb	Multiply by 2.205	lb	kg	Multiply by 0.454
kcal	BTU	Multiply by 3.968	BTU	kcal	Multiply by 0.252
kPa	psi	Multiply by 0.145	psi	kPa	Multiply by 6.895
bar	psi	Multiply by 14.50	psi	bar	Multiply by 0.069
°C	°F	(1.8 x °C) + 32	°F	°C	(°F - 32) ÷ 1.8

### OUTSIDE DIAMETER (METRIC) AND NOMINAL DIAMETERS (IMPERIAL)

Metric (mm)	Imperial (in.)
25	3/4
32	1
40	1¼
50	1½
63	2
75	2½
90	3
110	4
125	5
160	6
225	9

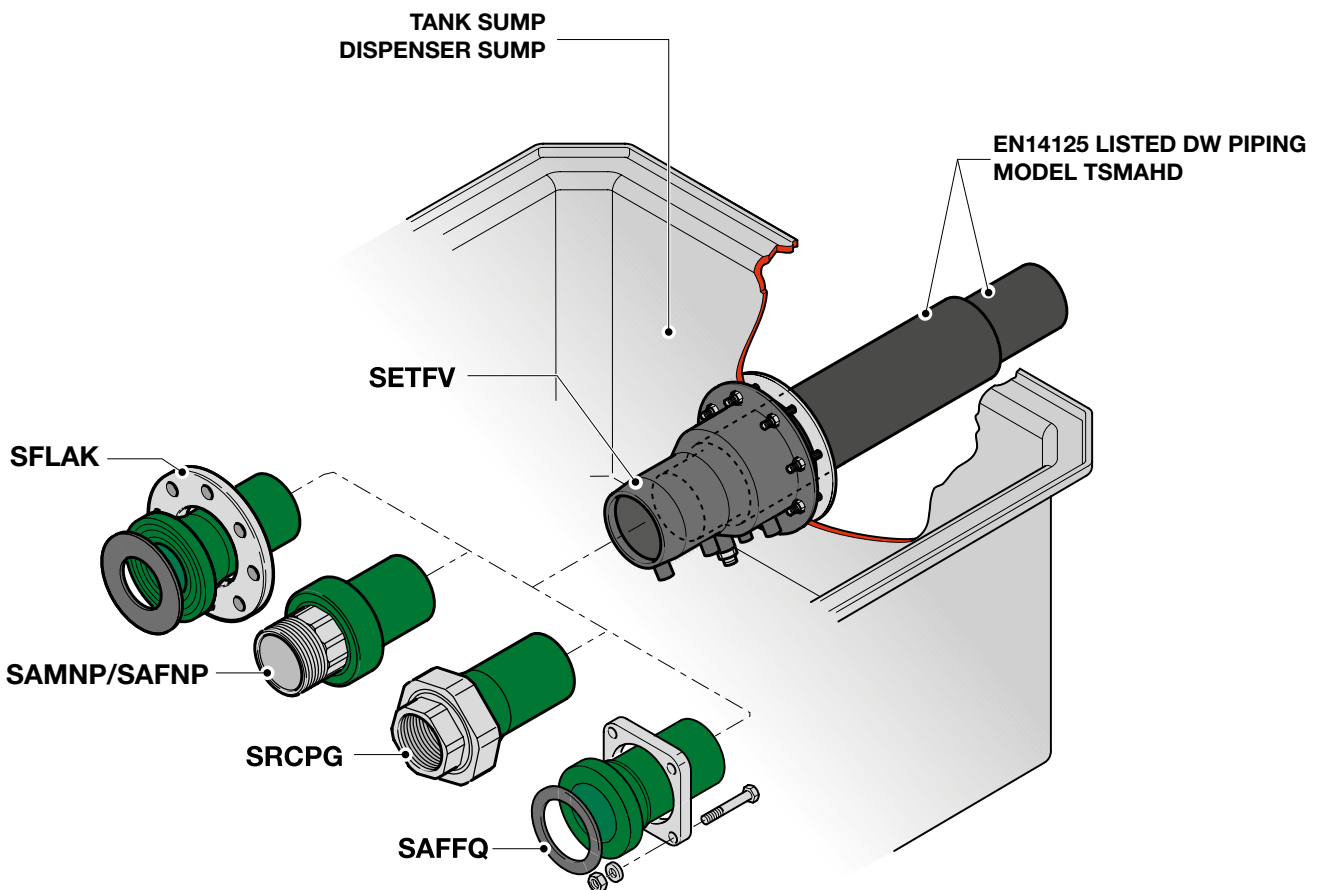
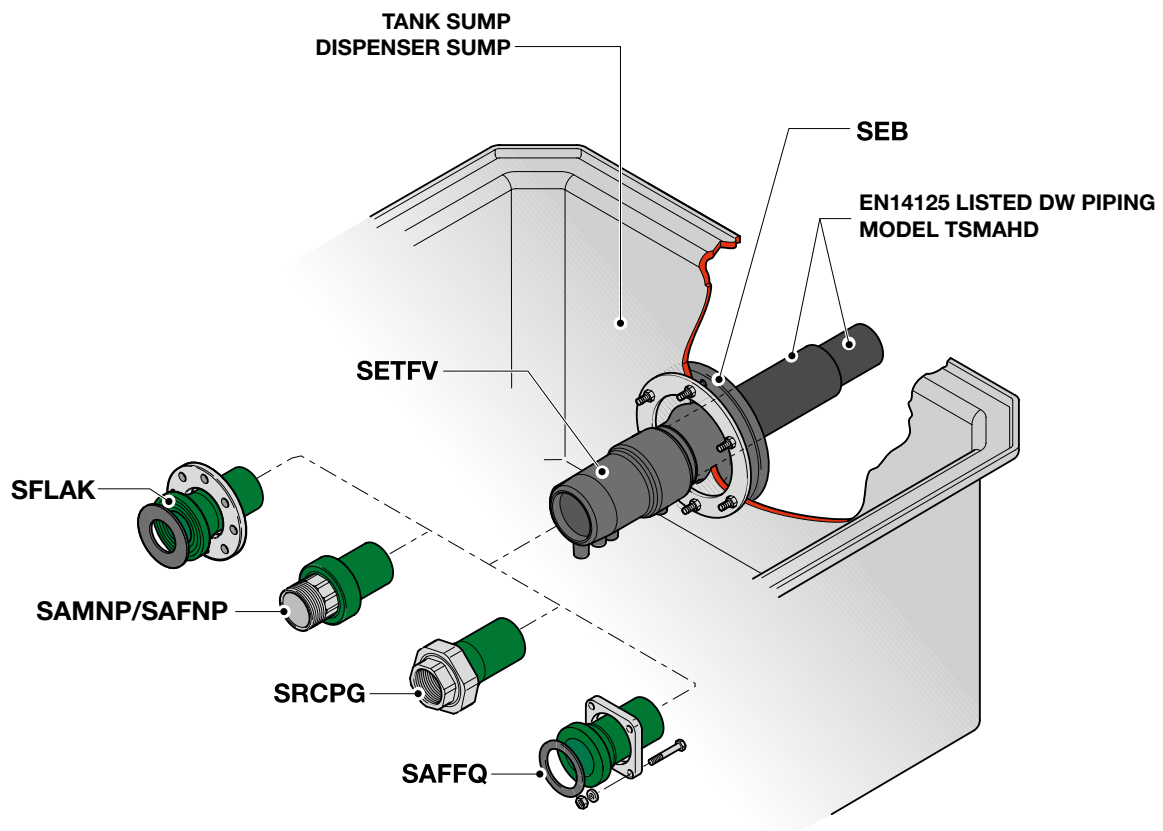


# INSTALLATION EXAMPLES



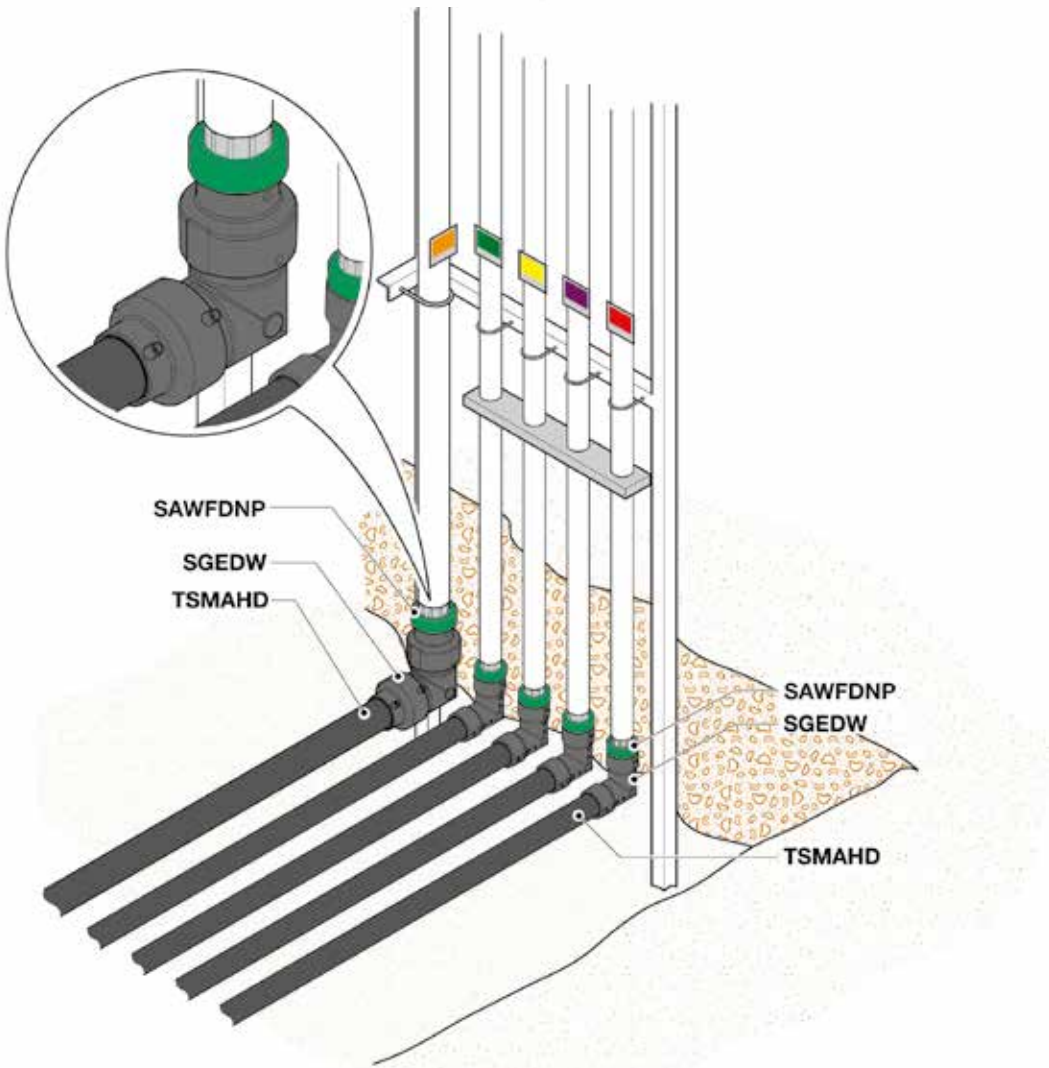
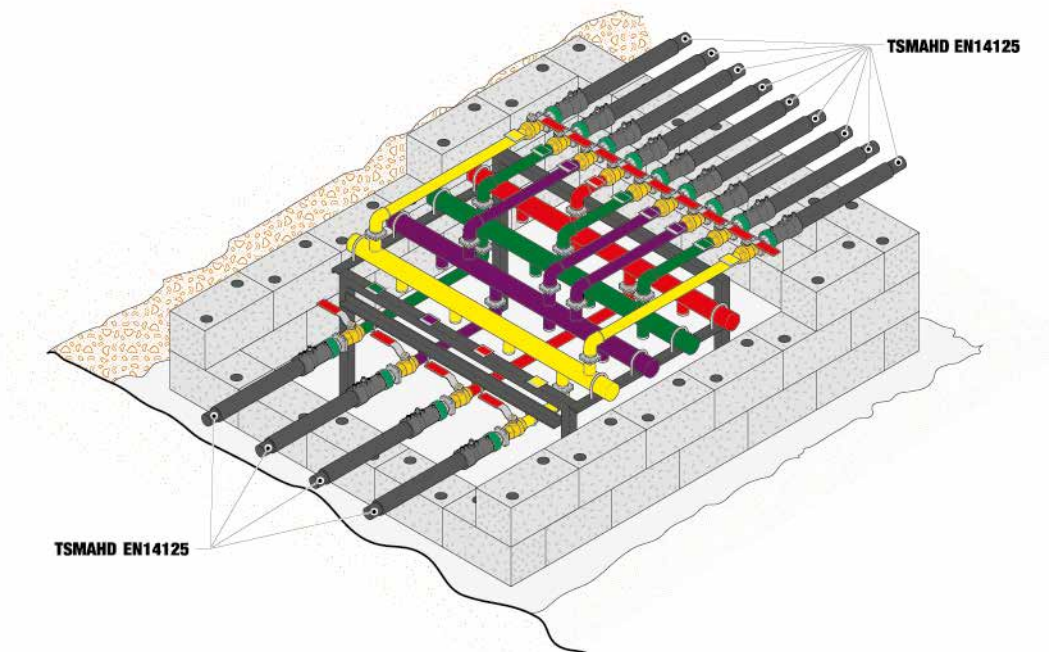


# INSTALLATION EXAMPLES



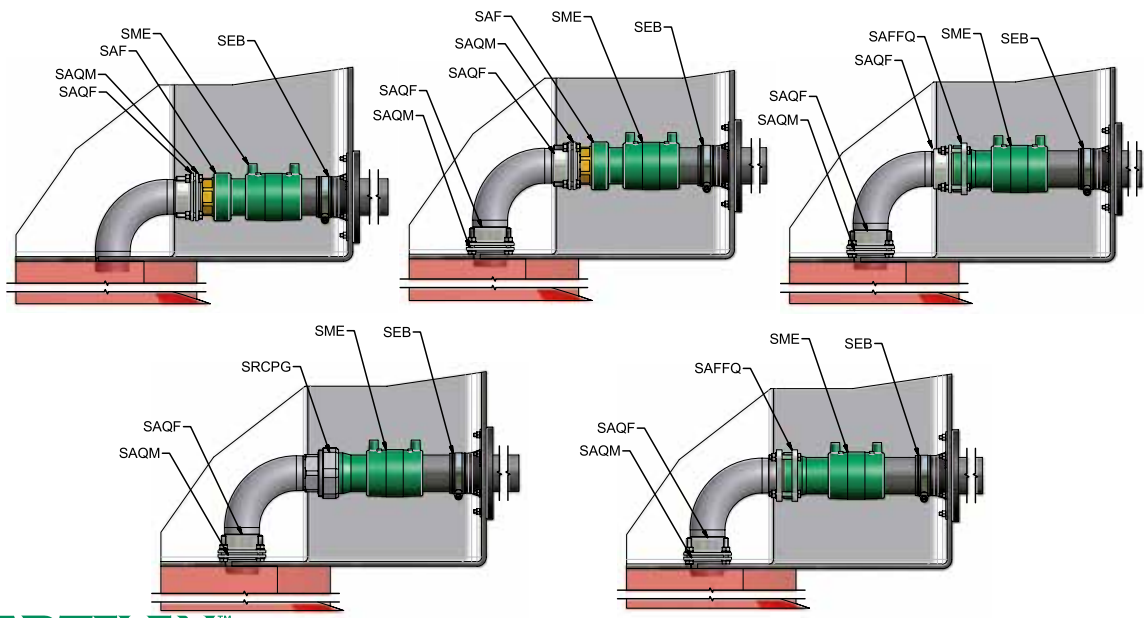
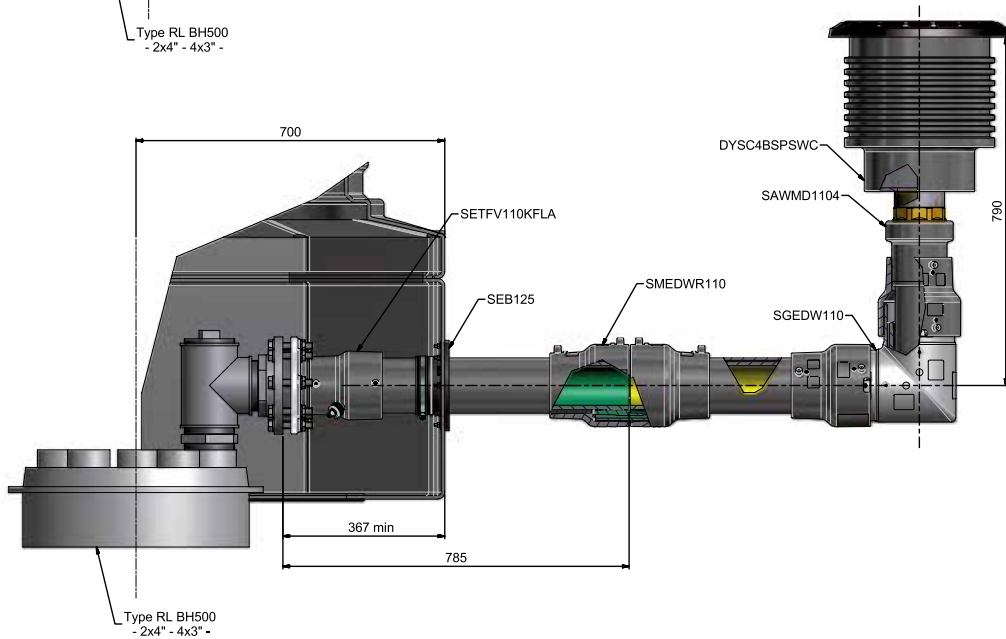
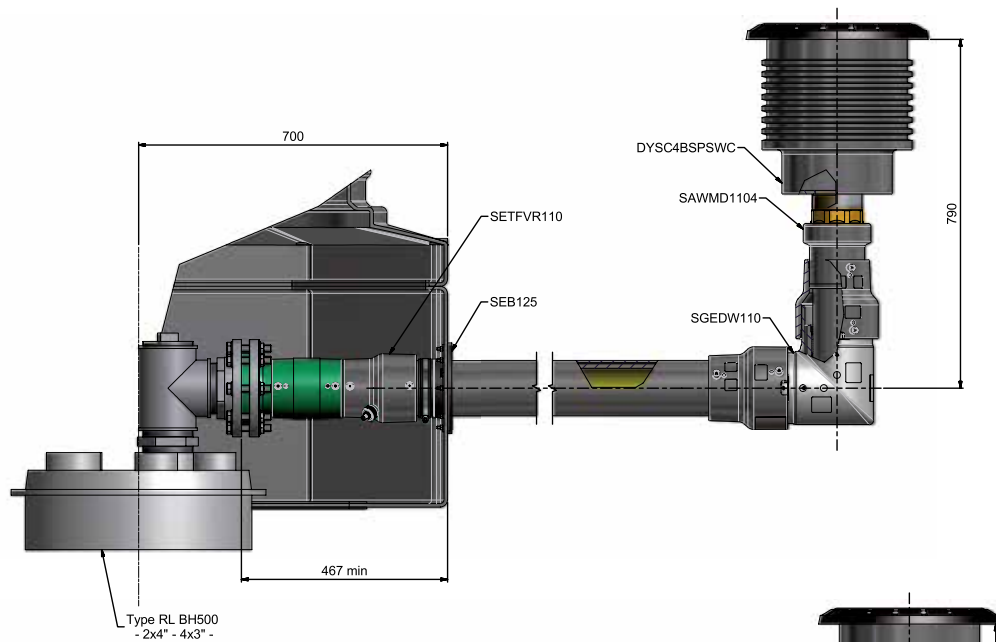


# INSTALLATION EXAMPLES





# INSTALLATION EXAMPLES







## OFFERS OTHER PRODUCT RANGES SUITABLE FOR THE PETROLEUM INDUSTRY

NUPI INDUSTRIE ITALIANE offre d'autres gammes de produits adaptés pour l'industrie du pétrole.  
 NUPI INDUSTRIE ITALIANE ofrece otras gamas de productos adecuados para la industria petrolera.  
 NUPI INDUSTRIE ITALIANE oferece outras gamas de produtos adequados para a indústria do petróleo.  
 NUPI INDUSTRIE ITALIANE bietet weitere Produktreihen für die Erdölindustrie.  
 NUPI INDUSTRIE ITALIANE offre altre linee di prodotto adatte per l'industria petrolifera.

# SMART *lpg*



# SMART *conduit*



# GENERAL SALES TERMS

## 1 PROVISIONS OF THE CONTRACT

The purchase and sale of the goods and services relating to the SMARTFLEX Piping System (collectively, “Products”) by NUPI INDUSTRIE ITALIANE is governed by, and subject to, the following terms, covenants and conditions.

## 2 TERMS AND MEANS OF PAYMENT

The purchase price shown on the invoice issued by NUPI INDUSTRIE ITALIANE in connection with the purchase and sale of the products described therein is due and payable by the purchaser on or before the date, and in the manner, provided for under such invoice. Interest shall accrue on all past due balances at the annual rate equal to the EURIBOR current at the time, plus 8%, until such invoice amounts, and accrued previously unpaid interest, have been paid in full.

All prices on any document or correspondence issued by NUPI INDUSTRIE ITALIANE shall be understood to be in Euro. Any and all sums due and payable hereunder, or under any invoice, shall be due and payable at the offices of NUPI INDUSTRIE ITALIANE in Busto Arsizio, Italy.

## 3 TERMS OF DELIVERY

The products covered by the terms of an order accepted and confirmed in accordance with the provisions of Paragraph 5 hereof, shall be shipped to the purchaser on the terms and conditions set forth and established on the order acknowledgement issued by NUPI INDUSTRIE ITALIANE. While NUPI INDUSTRIE ITALIANE will undertake reasonable efforts to comply with purchaser’s requested shipping dates, no provision of these terms of sale, the order acknowledgement, or any other agreement between purchaser and NUPI INDUSTRIE ITALIANE be interpreted to (i) constitute NUPI INDUSTRIE ITALIANE guarantee of specific shipping dates; or (ii) impose any liability for damages, including without limitation any consequential and/or exemplary damages, on the part of NUPI INDUSTRIE ITALIANE in the event of NUPI INDUSTRIE ITALIANE’s delayed performance under this agreement or in connection with the delayed shipment, or delivery, of the products.

## 4 RESERVATION OF SECURITY INTEREST

NUPI INDUSTRIE ITALIANE hereby reserves a purchase money security interest in the products provided hereunder, or any other agreement between purchaser and NUPI INDUSTRIE ITALIANE, to secure the payment and performance of purchaser’s payment obligations hereunder.

Any provision of the terms of sale, the order confirmation or any other agreement between purchaser and NUPI INDUSTRIE ITALIANE to the contrary notwithstanding, any and all risks of loss of the products, and any and all other risks associated with the products, are, and shall be, transferred to, and assumed by, the purchaser on the date of shipping of such products by NUPI INDUSTRIE ITALIANE.

In the event of purchaser’s payment default, NUPI INDUSTRIE ITALIANE may, in addition to any other remedies at law or otherwise, reclaim the products and /or retain any and all sums previously paid by, or on behalf of, purchaser for such products.

Any default by purchaser under the terms hereof shall, at NUPI INDUSTRIE ITALIANE’s option, constitute an event of default under any other agreement to which purchaser and NUPI INDUSTRIE ITALIANE are parties.

## 5 ORDER ACCEPTANCE

No order from a purchaser shall become binding upon NUPI INDUSTRIE ITALIANE unless expressly accepted, and confirmed, in writing by NUPI INDUSTRIE ITALIANE, within five (5) days after receipt of order. Orders and/or modifications of orders which have been made orally or by telephone must be confirmed in writing by the purchaser and the same shall not become binding upon NUPI INDUSTRIE ITALIANE unless approved and confirmed, in writing, by NUPI INDUSTRIE ITALIANE.

## 6 PRODUCT ACCEPTANCE

Any claim or objection concerning one or more products acquired pursuant to these terms of sale, the order confirmation or any other agreement between the purchaser and NUPI INDUSTRIE ITALIANE must be in writing, and received by NUPI INDUSTRIE ITALIANE within ten days after delivery of such products to purchaser, otherwise the products shall be deemed to have been accepted.

## 7 PRODUCT COMPLIANCE AND WARRANTY

Subject to the provisions of paragraphs 9 and 10 hereof, NUPI INDUSTRIE ITALIANE guarantees that the products comply with the technical specifications stipulated in the order confirmation, and the technical specifications published by NUPI INDUSTRIE ITALIANE covering the products in effect on the shipping date of such products.

## 8 PRODUCT INSTALLATION AND LIABILITY

The performance and the cost for product installation is the responsibility of the purchaser. Accordingly, the purchaser assumes all responsibility for compliance with (and liability for failure to comply with) any and all applicable statutes, laws, rules and regulations relating to the suitability, compliance and safety of the products and the installation, the use of the products, the site at which the products will be installed and utilized, and the ultimate user of the products. Installation of the products must be performed by qualified installers who have been trained and certified by NUPI INDUSTRIE ITALIANE and whose work complies in all respects with the specifications and installation standards promulgated by NUPI INDUSTRIE ITALIANE. Accordingly, the purchaser further assumes all liability resulting from the purchaser’s failure to provide copies of such specifications and installation standards and the brochures and other written materials covering the same to such installation personnel. Purchaser shall defend, indemnify and hold NUPI INDUSTRIE ITALIANE harmless from and against any and all claims, actions, damages, costs (including costs of litigation and settlement) arising, or alleged to have arisen in connection with any and all damages caused by, or resulting from any improper installation, lack of maintenance or improper use of the products.



# GENERAL SALES TERMS

## 9 WARRANTY

NUPI INDUSTRIE ITALIANE warrants that products sold by it which are incorporated in its SMARTFLEX Piping System shall be of good materials and workmanship and free from functional defects for a period of thirty (30) years from the date of sale, excepting valves, flex connectors, entry, terminating and test rubber boots, test tubes, gaskets and o-rings and products containing electrical components, which shall be of good materials and workmanship and free from functional defects for a period of two (2) years from the date of sale; provided that such products are properly installed in accordance with NUPI INDUSTRIE ITALIANE's specifications and published instructions by qualified installers who have been trained and certified by NUPI INDUSTRIE ITALIANE. These respective warranties shall become immediately null and void if the products to which they apply: (i) are employed in above-ground applications; (ii) are installed by anyone other than an installer trained by NUPI INDUSTRIE ITALIANE; or (iii) are installed in a manner which fails to comply with NUPI INDUSTRIE ITALIANE's written installation instructions.

AS THE SOLE AND EXCLUSIVE REMEDY FOR ANY BREACH OF THE LIMITED WARRANTIES SET FORTH ABOVE, NUPI INDUSTRIE ITALIANE WILL REPLACE NONCONFORMING GOODS OR REFUND THE PURCHASE PRICE. THESE LIMITED WARRANTIES ARE IN LIEU OF ALL OTHER WARRANTIES, EXPRESS OR IMPLIED, INCLUDING, WITHOUT LIMITATION, THOSE CONCERNING MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE. THESE LIMITED WARRANTIES ARE ALSO IN LIEU OF ANY OTHER POSSIBLE LIABILITIES OF NUPI INDUSTRIE ITALIANE, WHETHER ALLEGED TO HAVE ARISEN BY AGREEMENT OR BY OPERATION OF LAW, RESPECTING THE SALE, INSTALLATION, USE OR FUNCTION OF NUPI INDUSTRIE ITALIANE'S PRODUCTS, INCLUDING, WITHOUT LIMITATION, CLAIMS OF NEGLIGENCE, GROSS NEGLIGENCE, STRICT LIABILITY OR ANY OTHER TORT. IN NO EVENT SHALL NUPI INDUSTRIE ITALIANE BE LIABLE FOR PERSONAL INJURY OR DAMAGE TO REAL OR PERSONAL PROPERTY ATTRIBUTED TO ITS PRODUCTS, NOR FOR ANY EXCAVATION, REMOVAL, DOWNTIME, CLEANUP, REMEDIATION, LOSS OF USE, LOSS OF OPPORTUNITY, LOSS OF MARKET VALUE, LOSS OF RENTAL VALUE, LOSS OF PROFITS, LOSS OF PRODUCTION, OR OTHER SPECIAL, INCIDENTAL, RESULTING, CONSEQUENTIAL OR EXEMPLARY DAMAGES.

No person is authorized by NUPI INDUSTRIE ITALIANE to accept for it any other liability of any kind in connection with the sale or use of products sold and/or marketed by it.

## 10 RETURN MATERIALS POLICY

Any provision of these terms of sale to the contrary notwithstanding, no purchaser shall be authorized to return any products to NUPI INDUSTRIE ITALIANE unless:

- \* NUPI INDUSTRIE ITALIANE authorizes the return of the products in writing;
- \* The products are returned to such address specified by NUPI INDUSTRIE ITALIANE prepaid freight in original packaging and accompanied by copy of the return authorization and
- \* The return of the products will result in the issuance by NUPI INDUSTRIE ITALIANE of a credit which may be utilized by the purchaser for future purchases of products, from which credit shall be deducted a restocking charge in an amount equal to twenty per cent (20%) of the purchase price of the returned products.

## 11 GOVERNING LAW

All disputes arising between the parties to this contract, except for those involving payment of the amounts under the supply invoices, shall be settled under the Arbitration Rules and Internal Rules (current at the time the request is submitted) of the European Court of Arbitration, which is part of the European Arbitration Centre, with offices in Strasbourg, without any right to review the first level decision taken by an Arbitration Court of Appeal.



**RECOMMENDATIONS FOR WASTE DISPOSAL**

Metal and plastic material must be disposed of by authorized companies only. Dispose of responsibly.

**RACCOMANDAZIONI PER LO SMALTIMENTO**

I materiali metallo-plastici vanno smaltiti attraverso ditte autorizzate. Non disperdere questo materiale nell'ambiente.



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