

# SMARTFLEX™

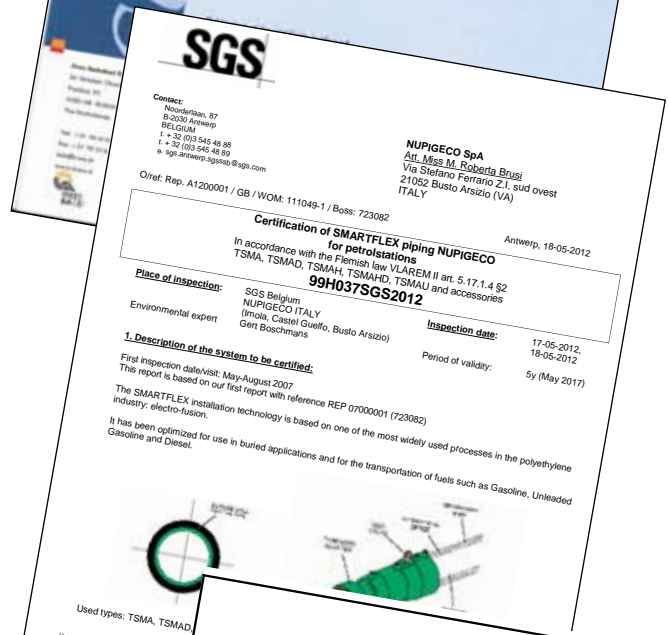
**Product Catalogue**  
**October 2013 Edition**



**English - Français**  
**Español - Deutsch**  
**Português - Italiano**



**Single and Double Wall Piping System**



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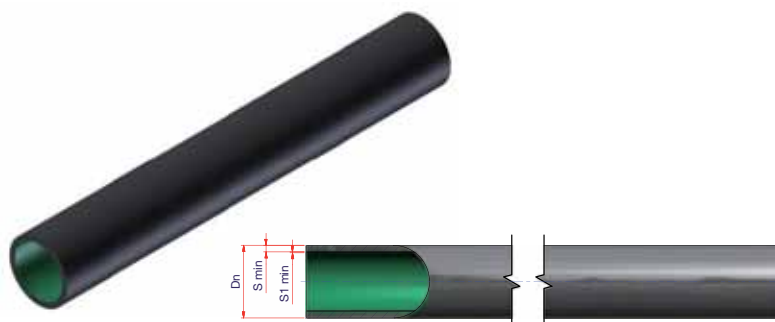
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N.B.: All measures are in millimetres unless otherwise mentioned  
N.B.: Toutes les mesures sont en millimètres sauf indication contraire  
Nota: Todas las medidas están en milímetros a menos que se indique lo contrario

N.B.: Alle Massnahmen sind in Millimeter, sofern nicht anders angegeben  
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 ENVELOPPE POUR LIGNES DE REFOULEMENT -  
IP ET KIWA - COURONNES/BARRES

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

EINWANDIGES ROHRSYSTEM FÜR KRAFTSTOFF -  
IP UND KIWA - ROLLEN/STANGEN

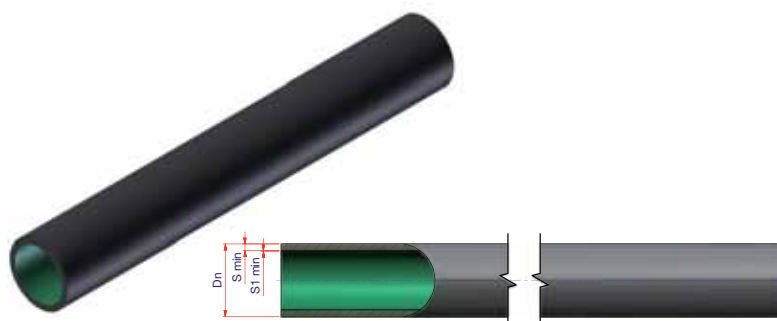
TUBO DE PAREDE SIMPLES P/ LINHA DE PRODUTO -  
IP E KIWA - BOBINAS/BARRAS

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

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

Code	ø	Package (m)	Dn	S min	S1 min	Weight kg/m	Notes
19TSMA32R75	32	75	32	2.4	1	0.34	coils/couronnes/rollos/Rollen/bobinas/rotoli KIWA listed
19TSMA50R75	50	75	50	3.7	1	0.72	coils/couronnes/rollos/Rollen/bobinas/rotoli IP & KIWA listed
19TSMA50B6	50	5x5.8	50	3.7	1	0.72	straight lengths (sticks)/barres/barras/Stangen/barras/barre IP & KIWA listed
19TSMA63R75	63	75	63	4.7	1	1.09	coils/couronnes/rollos/Rollen/bobinas/rotoli IP & KIWA listed
19TSMA63B6	63	4x5.8	63	4.7	1	1.09	straight lengths (sticks)/barres/barras/Stangen/barras/barre IP & KIWA listed
19TSMA90R30	90	30	90	6.7	1	2.07	coils/couronnes/rollos/Rollen/bobinas/rotoli IP & KIWA listed
19TSMA90B6	90	2x5.8	90	6.7	1	2.07	straight lengths (sticks)/barres/barras/Stangen/barras/barre IP & KIWA listed
19TSMA110B6	110	2x5.8	110	8.1	1	2.99	straight lengths (sticks)/barres/barras/Stangen/barras/barre IP & KIWA listed
19TSMA160B6 (*)	160	1x5.8	160	11.8	1	6.21	straight lengths (sticks)/barres/barras/Stangen/barras/barre

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



TUYAUTERIE SIMPLE ENVELOPPE POUR LIGNES DE REFOULEMENT -  
EN 14125 - COURONNES/BARRES

TUBERÍA SIMPLE CONTENIMIENTO PARA LÍNEA DE PRODUCTO -  
EN 14125 - ROLLOS/BARRAS

EINWANDIGES ROHRSYSTEM FÜR KRAFTSTOFF -  
EN 14125 - ROLLEN/STANGEN

TUBO DE PAREDE SIMPLES P/ LINHA DE PRODUTO -  
EN 14125 - BOBINAS/BARRAS

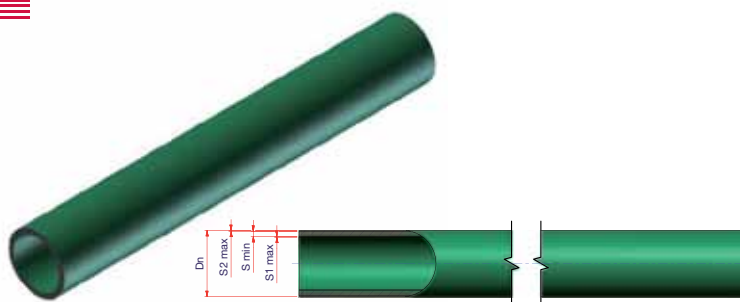
TUBO SINGOLA PARETE PER CARBURANTE -  
EN 14125 - ROTOLI/BARRE

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

Code	ø	Package (m)	Dn	S min	S1 min	Weight kg/m	Notes
19TSMH32R75	32	75	32	2.4	1	0.35	coils/couronnes/rollos/Rollen/bobinas/rotoli
19TSMH50R75	50	75	50	3.7	1	0.74	coils/couronnes/rollos/Rollen/bobinas/rotoli EN14125 listed
19TSMH50B6	50	5x5.8	50	3.7	1	0.74	straight lengths (sticks)/barres/barras/Stangen/barras/barre EN14125 listed
19TSMH63R75	63	75	63	4.7	1	1.12	coils/couronnes/rollos/Rollen/bobinas/rotoli EN14125 listed
19TSMH63B6	63	4x5.8	63	4.7	1	1.12	straight lengths (sticks)/barres/barras/Stangen/barras/barre EN14125 listed
19TSMH90R30	90	30	90	6.7	1	2.11	coils/couronnes/rollos/Rollen/bobinas/rotoli EN14125 listed
19TSMH90B6	90	2x5.8	90	6.7	1	2.11	straight lengths (sticks)/barres/barras/Stangen/barras/barre EN14125 listed
19TSMH110B6	110	2x5.8	110	8.1	1	3.04	straight lengths (sticks)/barres/barras/Stangen/barras/barre EN14125 listed
19TSMH160B6	160	1x5.8	160	11.8	1	6.28	straight lengths (sticks)/barres/barras/Stangen/barras/barre



# SINGLE WALL SYSTEM



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

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

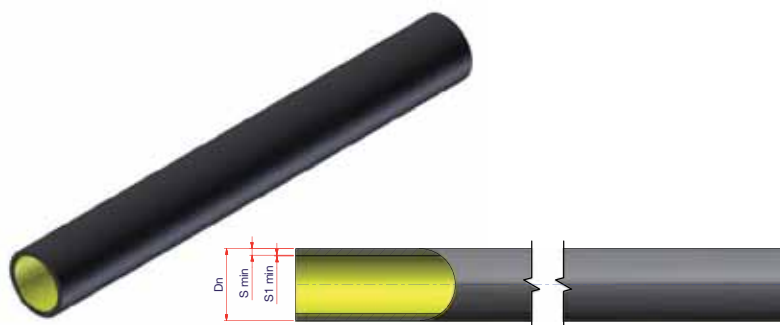
EINWANDIGES ROHRSYSTEM FÜR KRAFTSTOFF - MIT ZERTIFIKAT UL 971 - ROLLEN/STANGEN

TUBO DE PAREDE SIMPLES P/ LINHA DE PRODUTO - CONFORME 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	Ø	Package (m)	Dn	S min	S1 min	S2 min	Weight kg/m	Notes
19TSMAXP32R75	32	75	32	3.7	0.5	0.5	0.51	coils/couronnes/rollos/Rollen/bobinas/rotoli
19TSMAXP50R75	50	75	50	3.7	0.5	0.5	0.84	coils/couronnes/rollos/Rollen/bobinas/rotoli
19TSMAXP50B6	50	5x5.8	50	3.7	0.5	0.5	0.84	straight lengths (sticks)/barres/barras/Stangen/barras/barre
19TSMAXP63R75	63	75	63	4.7	0.5	0.5	1.25	coils/couronnes/rollos/Rollen/bobinas/rotoli
19TSMAXP63B6	63	5x5.8	63	4.7	0.5	0.5	1.25	straight lengths (sticks)/barres/barras/Stangen/barras/barre
19TSMAXP90B6	90	2x5.8	90	6.7	0.5	0.5	2.29	straight lengths (sticks)/barres/barras/Stangen/barras/barre
19TSMAXP110B6	110	2x5.8	110	8.1	0.5	0.5	3.26	straight lengths (sticks)/barres/barras/Stangen/barras/barre



TUYAUTERIE SIMPLE ENVELOPPE POUR RÉCUPÉRATION DE VAPEURS, EVENT ET DÉPOTAGE - EN 14125, IP ET KIWA - COURONNES/BARRES

TUBERÍA SIMPLE CONTENIMIENTO PARA RECUPERACIÓN DE VAPORES, VENTEO, DESCARGAS - EN 14125, IP Y KIWA - ROLLOS/BARRAS

EINWANDIGES ROHRSYSTEM FÜR GASPENDELUNG, ENTLÜFTUNG UND FÜLLUNG - 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 (TSMAU)

Code	Ø	Package (m)	Dn	S min	S1 min	Weight kg/m	Notes
19TSMAU32R75	32	75	32	2.4	0.4	0.29	coils/couronnes/rollos/Rollen/bobinas/rotoli KIWA listed
19TSMAU50R75	50	75	50	3.7	0.4	0.63	coils/couronnes/rollos/Rollen/bobinas/rotoli EN14125, IP & KIWA listed
19TSMAU50B6	50	5x5.8	50	3.7	0.4	0.63	straight lengths (sticks)/barres/barras/Stangen/barras/barre EN14125, IP & KIWA listed
19TSMAU63R75	63	75	63	4.7	0.4	0.99	coils/couronnes/rollos/Rollen/bobinas/rotoli EN14125, IP & KIWA listed
19TSMAU63B6	63	4x5.8	63	4.7	0.4	0.99	straight lengths (sticks)/barres/barras/Stangen/barras/barre EN14125, IP & KIWA listed
19TSMAU90R30	90	30	90	6.7	0.4	1.92	coils/couronnes/rollos/Rollen/bobinas/rotoli EN14125, IP & KIWA listed
19TSMAU90B6	90	2x5.8	90	6.7	0.4	1.92	straight lengths (sticks)/barres/barras/Stangen/barras/barre EN14125, IP & KIWA listed
19TSMAU110B6	110	2x5.8	110	8.1	0.4	2.81	straight lengths (sticks)/barres/barras/Stangen/barras/barre EN14125, IP & KIWA listed
19TSMAU160B6	160	1x5.8	160	11.8	0.4	5.94	straight lengths (sticks)/barres/barras/Stangen/barras/barre



# SINGLE WALL SYSTEM



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

TUBERÍA SIMPLE CONTENIMIENTO 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, CONFORME 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 (TSMAUXP)

Code	ø	Package (m)	Dn	S min	S1 min	Weight kg/m	Notes
19TSMAUXP50R75	50	75	50	3.7	0.5	0.64	coils/couronnes/rollos/Rollen/bobinas/rotoli
19TSMAUXP50B6	50	5x5.8	50	3.7	0.5	0.64	straight lengths (sticks)/barres/barras/Stangen/barras/barre
19TSMAUXP63R75	63	75	63	4.7	0.5	1.00	coils/couronnes/rollos/Rollen/bobinas/rotoli
19TSMAUXP63B6	63	4x5.8	63	4.7	0.5	1.00	straight lengths (sticks)/barres/barras/Stangen/barras/barre
19TSMAUXP90R30	90	30	90	6.7	0.5	1.94	coils/couronnes/rollos/Rollen/bobinas/rotoli
19TSMAUXP90B6	90	2x5.8	90	6.7	0.5	1.94	straight lengths (sticks)/barres/barras/Stangen/barras/barre
19TSMAUXP110B6	110	2x5.8	110	8.1	0.5	2.83	straight lengths (sticks)/barres/barras/Stangen/barras/barre

### N.B.:

Please contact NUPIGECO for non-standard lengths and delivery time.

S'il vous plait contactez NUPIGECO pour longueurs hors standard et temps de livraison.

Les rogamos que contacten NUPIGECO para longitudes no estándar y tiempo de entrega.

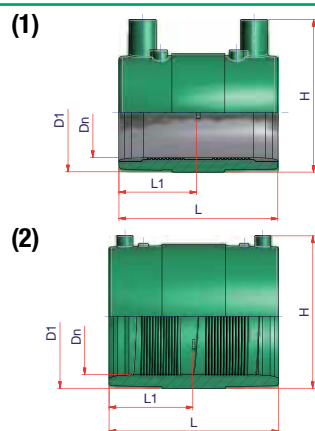
Treten Sie bitte mit NUPIGECO für Nicht-Standard Längen und Lieferzeit.

Contatar NUPIGECO para comprimentos fora dos padrões e tempos da entrega.

Contattare NUPIGECO per lunghezze fuori standard e relativi tempi di consegna.



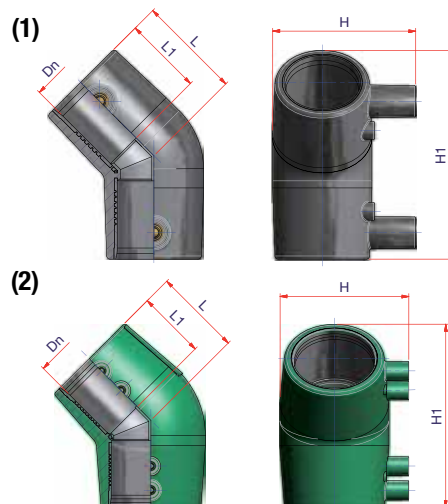
## SINGLE WALL SYSTEM



MANCHON SIMPLE ENVELOPPE ELECTROSOUDABLE  
MANGUITO SIMPLE CONTENIMIENTO ELECTROSOLDABLE  
ELEKTROSCHWEISSBARE EINWANDIGE MUFFE  
UNIÃO ELETROFUSÃO DE PAREDE SIMPLES  
MANICOTTO SINGOLA PARETE ELETTRISALDABILE

### STRAIGHT CONNECTOR / COUPLER - ELECTROFUSION (SME - SMEN)

Code	Ø	Dn	D1	L1	L	H	Notes
19SME32 <sup>(1)</sup>	32	32	46	34	70	65	
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>(2)</sup>	160	160	191	86	173	201	

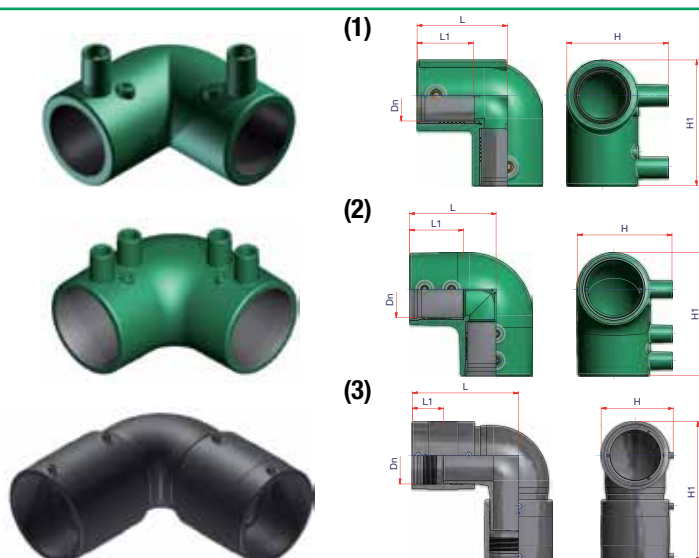


COUDE SIMPLE ENVELOPPE À 45° ELECTROSOUDABLE  
CODO SIMPLE CONTENIMIENTO DE 45° ELECTROSOLDABLE  
ELEKTROSCHWEISSBARER EINWANDIGER WINKEL 45°  
COTOVELO 45° ELETROFUSÃO DE PAREDE SIMPLES  
CURVA SINGOLA PARETE A 45° ELETTRISALDABILE

### ELBOW 45° - ELECTROFUSION (SCE)

Code	Ø	Dn	L1	L	H1	H	Notes
19SCE50 <sup>(2)</sup>	50	50	47	63	126	85	
19SCE63 <sup>(2)</sup>	63	63	54	68	146	100	
19SCE90 <sup>(2)</sup>	90	90	67	97	219	132	
19SCE110 <sup>(2)</sup>	110	110	81	107	249	152	
19SCE160 <sup>(2)</sup>	160	160	100	150	300	215	

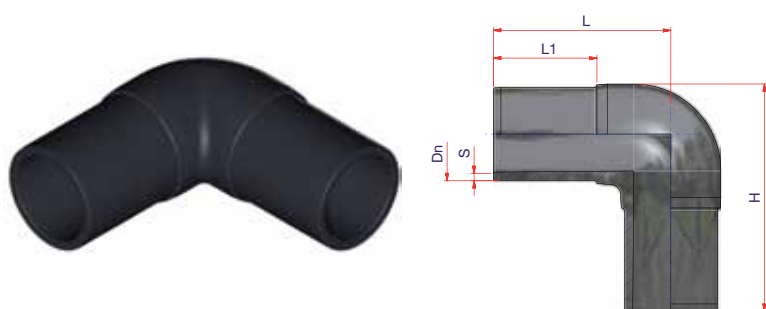
# SINGLE WALL SYSTEM



COUDE SIMPLE ENVELOPPE À 90° ELECTROSOUDABLE  
 CODO SIMPLE CONTENIMIENTO DE 90° ELECTROSOLDABLE  
 ELEKTROSCHWEISSBARER EINWANDIGER WINKEL 90°  
 COTOVELO 90° ELETROFUSÃO DE PAREDE SIMPLES  
 CURVA SINGOLA PARETE A 90° ELETROSALDABILE

## ELBOW 90° - ELECTROFUSION (SGE)

Code	Ø	Dn	L1	L	H1	H	Notes
19SGE32 <sup>(1)</sup>	32	32	35	57	79	65	
19SGE50 <sup>(2)</sup>	50	50	47	77	107	84	
19SGE63 <sup>(2)</sup>	63	63	53	88	126	100	
19SGE90 <sup>(2)</sup>	90	90	68	120	174	132	
19SGE110 <sup>(2)</sup>	110	110	81	140	205	152	
19SGE160 <sup>(3)</sup>	160	160	87	297	394	201	



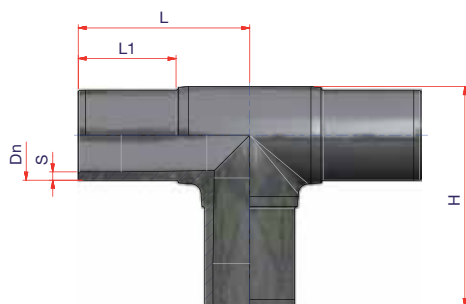
COUDE SIMPLE ENVELOPPE À 90° À ERGOT  
 CODO SIMPLE CONTENIMIENTO ESPIGA DE 90°  
 EINWANDIGER ZAPFENWINKEL 90°  
 COTOVELO 90° DE ESPICHO DE PAREDE SIMPLES  
 CURVA SINGOLA PARETE A 90° A CODOLO

## 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	86	153	212	



## SINGLE WALL SYSTEM



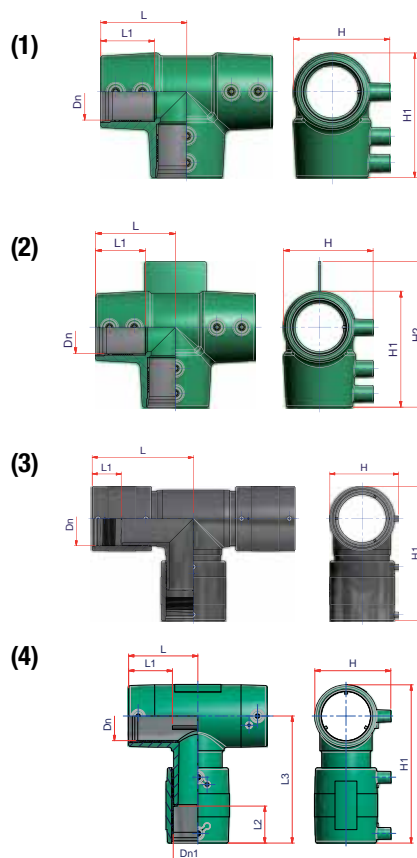
TÉ ÉGAL SIMPLE ENVELOPPE À ERGOT  
TE SIMPLE CONTENIMENTO ESPIGA  
EINWANDIGES ZAPFEN T-STÜCK  
TÊ IGUAL DE ESPICHO DE PAREDE SIMPLES  
TEE SINGOLA PARETE A CODOLO

### EQUAL TEE - LONG SPIGOT (ST)

Code	ø	S	L1	L	H	Notes
19ST50	50	4.6	55	90	117	
19ST63	63	5.8	70	120	154	
19ST90	90	8.2	89	146	196	
19ST110	110	10	86	153	212	



# SINGLE WALL SYSTEM



TÉ ÉGAL SIMPLE ENVELOPPE ELECTROSOUDABLE  
TE SIMPLE CONTENIMIENTO ELECTROSOLDABLE  
ELEKTROSCHWEISSBARES EINWANDIGES T-STÜCK  
TÊ IGUAL ELETROFUSÃO DE PAREDE SIMPLES  
TEE SINGOLA PARETE ELETTRISALDABILE

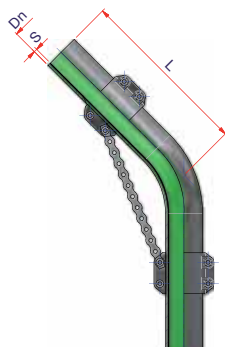
## EQUAL TEE - ELECTROFUSION (STE)

Code	ø	Dn	L1	L	H1	H2	H	L2	L3	Notes
19STE32 (*) (1)	32	32	31	55	97	-	64	-	-	
19STE50 (*) (1)	50	50	48	77	112	142	86	-	-	
19STE63 (*) (2)	63	63	54	90	135	-	103	-	-	
19STELV63 (4) ●	63	63	57	90	206	-	99	47	165	
19STE90 (1)	90	90	68	120	182	-	134	-	-	
19STE110 (1)	110	110	83	144	214	-	154	-	-	
19STE160 (3)	160	160	87	297	394	-	201	-	-	

(\*) until stock exhaustion - jusqu'au épuisement du stock - hasta agotar existencias - bis Erschöpfung der Vorräte - hasta esgotar existências - fino ad esaurimento scorte  
• tee+coupler - té+manchon - te+manguito - T-Stück+ Muffe - tê+união - tee+manicotto



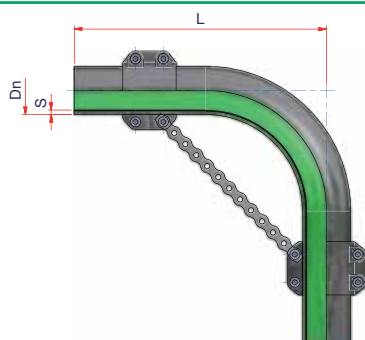
# SINGLE WALL SYSTEM



COUDE SIMPLE ENVELOPPE À 45°  
 CODO SIMPLE CONTENIMIENTO DE 45°  
 EINWANDIGER BOGEN 45°  
 COTOVELO DE PAREDE SIMPLES 45°  
 CURVA SINGOLA PARETE A 45°

## FORMED BEND 45° (SCB)

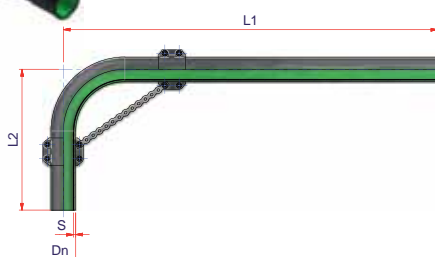
Code	ø	Dn	S	L	Notes
19SCB50	50	50	5	295	
19SCB63	63	63	6	295	



COUDE SIMPLE ENVELOPPE À 90°  
 CODO SIMPLE CONTENIMIENTO DE 90°  
 EINWANDIGER BOGEN 90°  
 COTOVELO DE PAREDE SIMPLES 90°  
 CURVA SINGOLA PARETE A 90°

## FORMED BEND 90° (SGB)

Code	ø	Dn	S	L	Notes
19SGB50	50	50	4.7	328	
19SGB63	63	63	5.7	329	

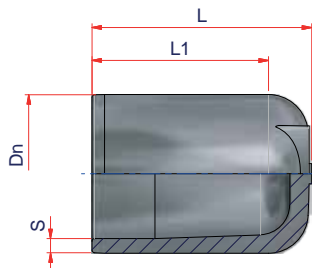


COUDE SIMPLE ENVELOPPE LONG À 90°  
 CODO SIMPLE CONTENIMIENTO LARGO DE 90°  
 EINWANDIGER BOGEN 90°, LANG  
 COTOVELO DE PAREDE SIMPLES LONGO 90°  
 CURVA SINGOLA PARETE LUNGA A 90°

## EXTENDED FORMED BEND 90° (SGBEXT)

Code	ø	Dn	S	L1	L2	Notes
19SGBEXT50	50	50	4.7	925	328	
19SGBEXT63	63	63	5.7	958	360	

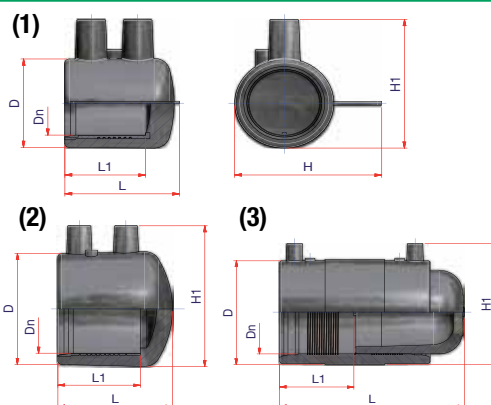
# SINGLE WALL SYSTEM



BOUCHON  
TAPÓN  
VERSCHLUSS  
TAMPA  
TAPPO

## 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	



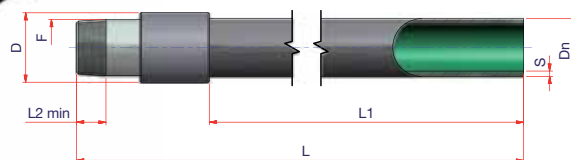
BOUCHON ELECTROSODABLE  
TAPÓN ELECTROSOLDABLE  
ELEKTROSCWEISSBARER VERSCHLUSS  
TAMPA ELECTROSOLDÁVEL  
TAPPO ELETTRISALDABILE

## 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	-	




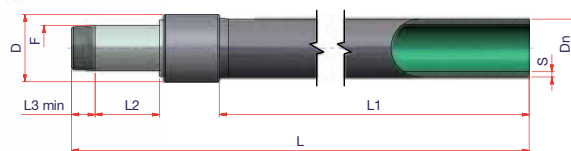
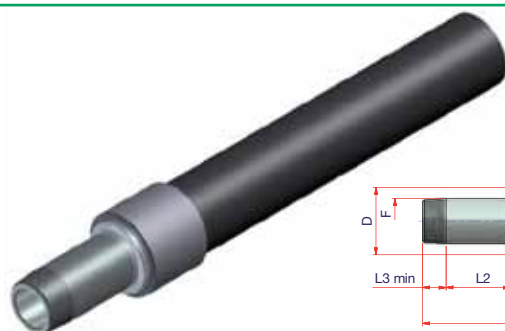
## SINGLE WALL SYSTEM



ADAPTATEUR MALE LONG SIMPLE ENVELOPPE  
ADAPTADOR MACHO LARGO SIMPLE CONTENIMIENTO  
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	



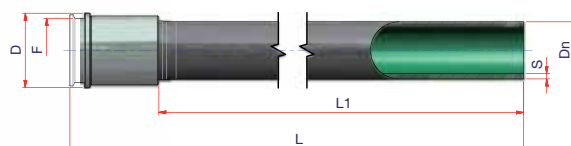
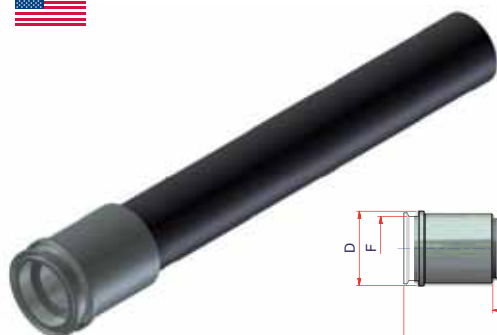
ADAPTATEUR MALE SIMPLE ENVELOPPE AVEC COLLET LONG  
ADAPTADOR MACHO SIMPLE CONTENIMIENTO CON COLLAR LARGO  
EINWANDIGER ADAPTER MIT AUSSENGEWINDE UND LANGER HALS  
TRANSIÇÃO MACHO DE PAREDE SIMPLES COM COLLAR LONGO  
ADATTATORE MASCHIO SINGOLA PARETE CON COLLARE ALLUNGATO

### 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 - 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 - 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 Nickel Legierung - Niquelado Nichelato



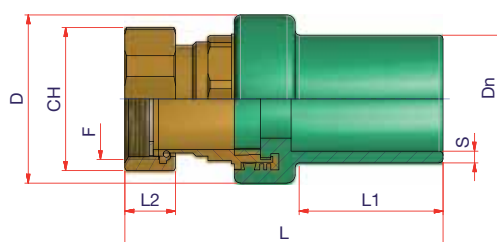
# SINGLE WALL SYSTEM



ADAPTATEUR RAPIDE SIMPLE ENVELOPPE EZ-FIT  
ADAPTADOR LARGO SIMPLE CONTENIMIENTO EZ-FIT  
EINWANDINGER ADAPTER EZ-FIT  
ADAPTADOR EZ-FIT DE PAREDE SIMPLES  
ADATTATORE LUNGO EZ-FIT SINGOLA PARETE

## LONG ADAPTER EZ-FIT (SALE)

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



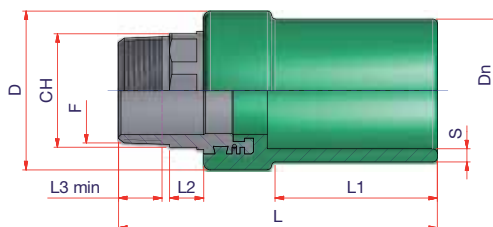
ADAPTATEUR FEMELLE SIMPLE ENVELOPPE A EMBOUT LIBRE  
ADAPTADOR HEMBRA SIMPLE CONTENIMIENTO CON TUERCA LOCA  
EINWANDINGER UBERGANGS ADAPTER MIT FREIER NUTMUTTER MIT INNENGWINDE  
ADAPTADOR FÊMEA PORCA LOUCA PE X LATÃO DE PAREDE SIMPLES  
ADATTATORE FEMMINA SINGOLA PARETE CON GHIERA LIBERA

## 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

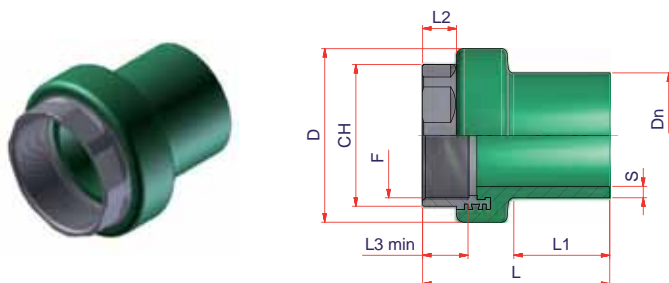


ADAPTATEUR MÂLE SIMPLE ENVELOPPE NICKELÉ  
ADAPTADOR MACHO SIMPLE CONTENIMIENTO NIQUELADO  
EINWANDINGER GEWINDEÜBERGANG MIT AUSSERGEWINDE  
- NICKEL LEGIERUNG  
ADAPTADOR MACHO DE PAREDE SIMPLES NIQUELADO  
ADATTATORE MASCHIO SINGOLA PARETE NICHELATO

## ADAPTER MALE NICKEL PLATED (SAMNP)


Code	ø	Dn	F	S	D	L	L1	L2	L3min	CH	Notes
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	 NPT thread/filet NPT rosca NPT/NPT Gewinde rosca NPT/filettatura NPT
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	
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	

# SINGLE WALL SYSTEM

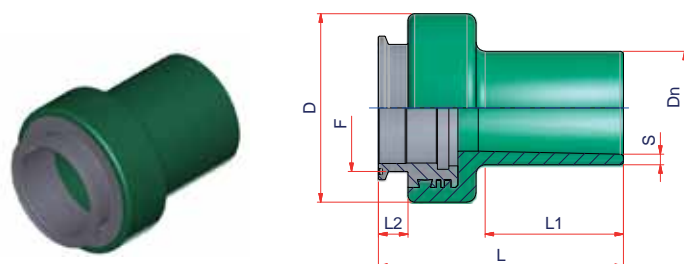


ADAPTATEUR FEMELLE SIMPLE ENVELOPPE NICKELÉ  
ADAPTADOR HEMBRA SIMPLE CONTENIMIENTO  
NIQUELADO  
EINWANDIGER GEWINDEÜBERGANG MIT INNENGEWINDE  
- NICKEL LEGIERUNG  
ADAPTADOR FÊMEA DE PAREDE SIMPLES NIQUELADO  
ADATTATORE FEMMINA SINGOLA PARETE NICHELATO

## ADAPTER FEMALE NICKEL PLATED (SAFNP)

Code	ø	Dn	F	S	D	L	L1	L2	L3min	CH	Notes
19SAFNP321	32 x 1"	32	1"	3	50	89	47	13	21	41	
19SAFNP50112	50 x 1 1/2"	50	1 1/2"	4.6	70	110	62	15	19	55	
19SAFNP502 (*)	50 x 2"	50	2"	4.6	84	115	62	20	23.7	65	BSP thread BSP thread/filet BSP rosca BSP/BSP Gewinde rosca BSP/filettatura BSP
19SAFNP63112	63 x 1 1/2"	63	1 1/2"	5.8	71	118	69	15	19	55	
19SAFNP632	63 x 2"	63	2"	5.8	84	122	69	20	23.7	65	
19SAFNP903	90 x 3"	90	3"	8.2	119	152	87	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	 NPT thread NPT thread/filet NPT rosca NPT/NPT Gewinde rosca NPT/filettatura NPT
19SAFNP50112NPT	50 x 1 1/2"	50	1 1/2" 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 1/2"	63	1 1/2" NPT	5.8	71	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	
19SAFNP1104NPT	110 x 4"	110	4" NPT	10	166	166	82	31	27.8	120	

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



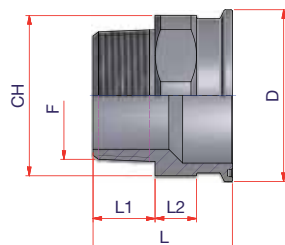
ADAPTATEUR FEMELLE EZ-FIT NICKELÉ  
ADAPTADOR HEMBRA EZ-FIT NIQUELADO  
GEWINDEÜBERGANG EZ-FIT - NICKEL LEGIERUNG  
ADAPTADOR FÊMEA EZ-FIT NIQUELADO  
ADATTATORE FEMMINA EZ-FIT NICHELATO

## ADAPTER EZ-FIT NICKEL PLATED (SAEF)

Code	ø	Dn	F	S	D	L	L1	L2	Notes
19SAEF50	50	50	2"	4.6	84	107	62	13	
19SAEF63	63	63	2"	5.8	84	113	69	13	
19SAEF90	90	90	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)

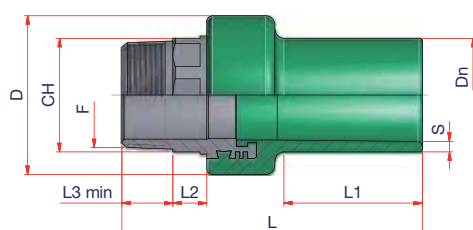
GEWINDEÜBERGANG 2" EZ-FIT X 1 1/2" BSP - ROSTFREIER STAHL (AISI 304)

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"	2" EZ - FIT	1 1/2" UNI EN 10226-1	50,5	22,5	15	58	



ADAPTATEUR MÂLE SIMPLE ENVELOPPE FILÉT INOX (AISI 304)

ADAPTADOR MACHO SIMPLE CONTENIMIENTO ROSCA INOX (AISI 304)

EINWANDIGER GEWINDEÜBERGANG MIT AUSSERGEWINDE AUS ROSTFREIER 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)

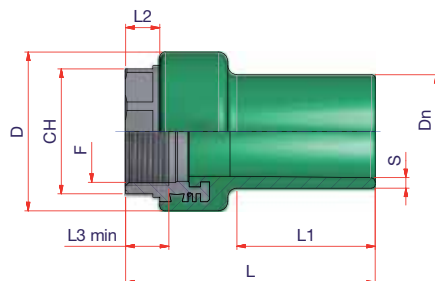
Code	ø	Dn	F	S	D	L	L1	L2	L3min	CH	Notes
19SAM321SS•	32 x 1	32	1"	3	50	110	48	14	16.8	34	
19SAM50112SS•	50 x 1 1/2"	50	1 1/2"	4.6	70	133	62	14	19.1	50	
19SAM63112SS•	63 x 1 1/2"	63	1 1/2"	5.8	70	140	171	14	19.1	50	
19SAM632SS•	63 x 2"	63	2"	5.8	83	147	69	18	23.4	60	
19SAM903SS•	90 x 3"	90	3"	8.2	118	181	87	23	29.8	90	
19SAM1104SS•	110 x 4"	110	4"	10	152	203	82	31	35.8	115	

BSP thread/filet BSP  
rosca BSP/Gewinde BSP  
rosca BSP/filettatura BSP

- 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 ainda com rosca NPT - per applicazioni speciali (Adblue) / disponibili anche con filettatura NPT.




# SINGLE WALL SYSTEM



ADAPTATEUR FEMELLE SIMPLE ENVELOPPE FILÉT INOX (AISI 304)  
 ADAPTADOR HEMBRA SIMPLE CONTENIMIENTO ROSCA INOX (AISI 304)  
 EINWANDINGER GEWINDEÜBERGANG MIT INNENGEWINDE AUS ROSTFREIERN 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)

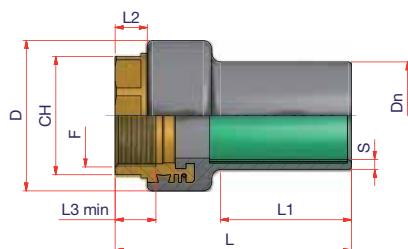
Code	ø	Dn	F	S	D	L	L1	L2	L3min	CH	Notes
19SAF321SS•	32 x 1"	32	1"	3	50	91	48	15	19	38	
19SAF50112SS•	50 x 1½"	50	1½"	4.6	70	110	62	15	19	55	
19SAF502SS• (*)	50 x 2"	50	2"	4.6	84	115	62	20	23.7	65	
19SAF63112SS• (*)	63 x 1½"	63	1½"	5.8	71	118	69	15	19	55	
19SAF632SS•	63 x 2"	63	2"	5.8	84	122	69	20	23.7	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 NPT thread/filet NPT rosca NPT/NPT Gewinde rosca NPT/filettatura NPT
19SAF50112SSNPT	50 x 1½"	50	1½" 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 1½"	63	1½" NPT	5.8	71	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) / 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 ainda com rosca NPT - per applicazioni speciali (Adblue) / disponibili anche con filettatura NPT

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



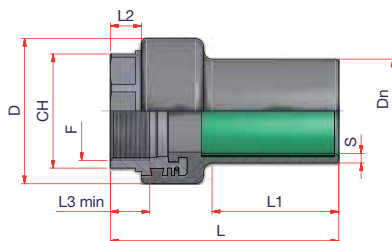
# SINGLE WALL SYSTEM



ADAPTATEUR FEMELLE AVEC COUCHE DE PROTECTION  
ADAPTADOR HEMBRA CON CAPA DE PROTECCIÓN  
ÜBERGANGS ADAPTER MIT INNENGEWINDE MIT SCHUTZSCHICHT  
ADAPTADOR FÊMEA COM CAMADA PROTETORA  
ADATTATORE FEMMINA CON STRATO PROTETTIVO

## ADAPTER FEMALE WITH INNER PROTECTIVE LINER

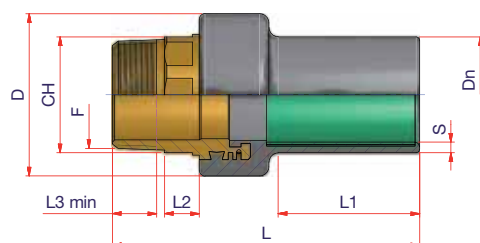
Code	ø	Dn	F	S	D	L	L1	L2	L3min	CH	Notes
19SAF050112	50 x 1 ½"	50	1 ½"	4.6	70	110	62	15	19	55	
19SAF0632	63 x 2"	63	2	5.8	84	122	69	20	23.7	65	



ADAPTATEUR FEMELLE NICKELÉ AVEC COUCHE DE PROTECTION  
ADAPTADOR HEMBRA NIQUELADO CON CAPA DE PROTECCIÓN  
ÜBERGANGS ADAPTER MIT INNENGEWINDE MIT SCHUTZSCHICHT - NICKEL LEGIERUNG  
ADAPTADOR FÊMEA NIQUELADO COM CAMADA PROTETORA  
ADATTATORE FEMMINA NICHELATO CON STRATO PROTETTIVO

## ADAPTER FEMALE NICKEL PLATED WITH INNER PROTECTIVE LINER

Code	ø	Dn	F	S	D	L	L1	L2	L3min	CH	Notes
19SAFONP50112	50 x 1 ½"	50	1 ½"	4.6	70	110	62	15	19	55	
19SAFONP632	63 x 2"	63	2	5.8	84	122	69	20	23.7	65	

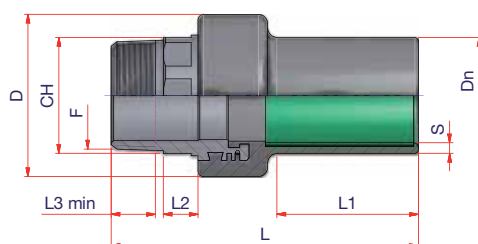


ADAPTATEUR MÂLE AVEC COUCHE DE PROTECTION  
ADAPTADOR MACHO CON CAPA DE PROTECCIÓN  
ÜBERGANGS ADAPTER MIT AUSSENGEWINDE MIT SCHUTZSCHICHT  
ADAPTADOR MACHO COM CAMADA PROTETORA  
ADATTATORE MASCHIO CON STRATO PROTETTIVO

## ADAPTER MALE WITH INNER PROTECTIVE LINER

Code	ø	Dn	F	S	D	L	L1	L2	L3min	CH	Notes
19SAM050112	50 x 1 ½"	50	1 ½"	4.6	70	133	62	14	19.1	50	
19SAM0632	63 x 2"	63	2"	5.8	83	147	69	18	23.4	60	
19SAM0903	90 x 3"	90	3"	-	-	-	-	-	-	-	

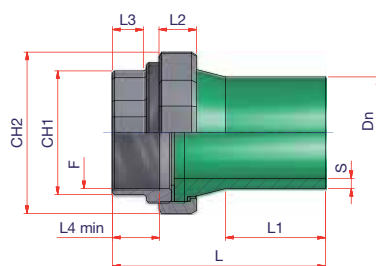
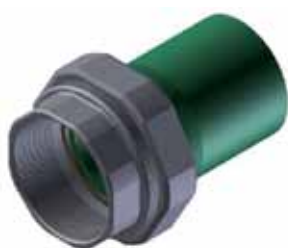
# SINGLE WALL SYSTEM



ADAPTATEUR MÂLE NICKELÉ AVEC COUCHE DE PROTECTION  
ADAPTADOR MACHO NIQUELADO CON CAPA DE PROTECCIÓN  
ÜBERGANGS ADAPTER MIT AUSSERGEWINDE MIT SCHUTZSCHICHT - NICKEL LEGIERUNG  
ADAPTADOR MACHO NIQUELADO COM CAMADA PROTETORA  
ADATTATORE MASCHIO NICHIELATO CON STRATO PROTETTIVO


## ADAPTER MALE NICKEL PLATED WITH INNER PROTECTIVE LINER

Code	ø	Dn	F	S	D	L	L1	L2	L3min	CH	Notes
19SAMONP50112	50 x 1 1/2"	50	1 1/2"	4.6	70	133	62	14	19.1	50	
19SAMONP632	63 x 2"	63	2"	5.8	84	147	69	18	23.4	60	



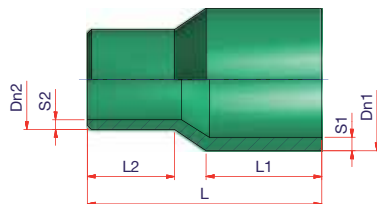
RACCORD UNION SIMPLE ENVELOPPE EN TROIS PIÈCES - GALVANISÉ  
CONEXIÓN UNIÓN SIMPLE CONTENIMIENTO DE TRES PIEZAS - GALVANIZADO  
EINWANDINGER DREITEILIGER ÜBERGANGS ADAPTER - VERZINKT  
UNIÃO, TRÊS PEÇAS, PE X LATÃO DE PAREDE SIMPLES - GALVANIZADO  
GIUNTO A TRE PEZZI SINGOLA PARETE - GALVANIZZATO

## 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	
19SRCPG50112	50 x 1 1/2"	50	1 1/2"	4.6	66.5	25	20	19	132	53	73	BSP thread BSP thread/filet BSP rosca BSP/BSP Gewinde rosca BSP/filettatura BSP
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	
19SRCPG50112NPT	50 x 1 1/2"	50	1 1/2"	4.6	66.5	25	20	17.3	132	53	73	 NPT thread NPT thread/filet NPT rosca NPT/NPT Gewinde rosca NPT/filettatura NPT
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 SIMPLE ENVELOPPE (TERMINAISON MÂLE X TERMINAISON MÂLE)

REDUCCIÓN SIMPLE CONTENIMIENTO (ESPIGA MACHO X ESPIGA MACHO)

EINWANDINGER REDUZIERSTÜCK (STUTZEN X STUTZEN)

REDUÇÃO CONCÊNTRICA DE PAREDE SIMPLES (ESPICHO MACHO X ESPICHO MACHO)

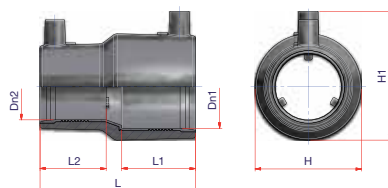
RIDUZIONE SINGOLA PARETE (CODOLO MASCHIO X CODOLO MASCHIO)

### CONCENTRIC REDUCER - SPIGOT X SPIGOT (SR)

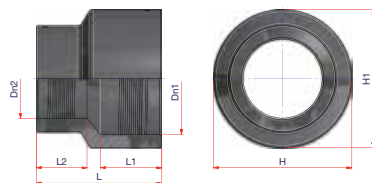
Code	ø	Dn1	Dn2	S1	S2	L1	L2	L	Notes
19SR5032	50 x 32	50	32	4.6	3	56	40	113	
19SR6350	63 x 50	63	50	5.8	4.6	60	53	139	
19SR9050	90 x 50	90	50	8.2	4.6	71	57	150	
19SR9063	90 x 63	90	63	8.2	5.8	72	56	150	
19SR11063	110 x 63	110	63	10	5.8	82	63	170	
19SR11090	110 x 90	110	90	10	8.2	78	69	170	
19SR16090	160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

REDUCCIÓN ELECTROSOLDABLE

ELEKTROSCHWEISSBARES REDUZIERSTÜCK

REDUÇÃO CONCÊNTRICA ELECTROSOLDÁVEL

RIDUZIONE ELETTROSALDABILE

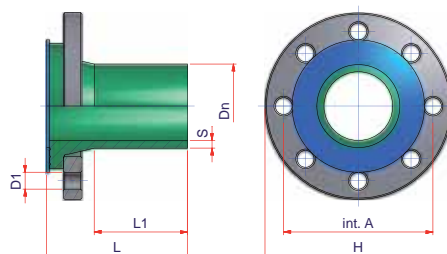
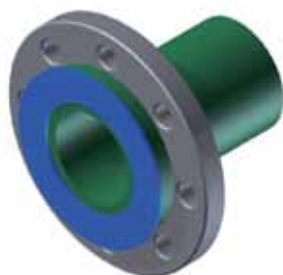
### CONCENTRIC REDUCER - ELECTROFUSION (SRDEL)

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 a pedido - disponibile su richiesta

• with test port - avec prise de test - con válvula de prueba - mit Prüfanschluss - com porta de teste - con valvola di prova

# SINGLE WALL SYSTEM

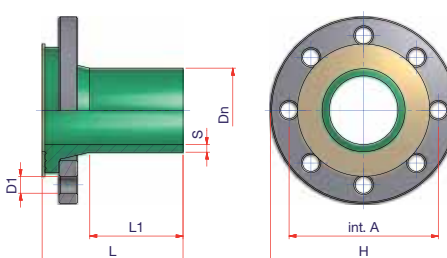
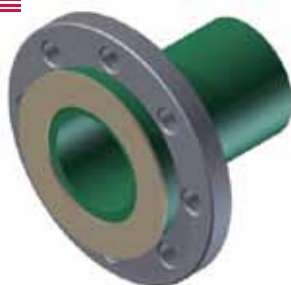


KIT BRIDE  
KIT BRIDA  
VORSCHWEISSBUND  
PORTA-FLANGE, KIT  
KIT FLANGIA

## LOOSE FLANGE - KIT (SFLAK)

Code	ø	Dn	S	L	L1	H	Int. A	D1	Holes (no.)	Notes
19SFLAK32	32	32	3	81	45	115	85	14	4	UNI-DIN flange bride UNI-DIN brida UNI-DIN UNI-DIN Flansch flange UNI-DIN flangia UNI-DIN
19SFLAK50	50	50	4.6	95	67	150	110	18	4	
19SFLAK63	63	63	5.8	114	75	165	125	18	4	
19SFLAK90	90	90	8.2	148	100	200	160	18	8	
19SFLAK110	110	110	10	147	99	220	180	18	8	
19SFLAK160	160	160	14.6	180	105	285	240	22	8	

- bolts, nuts and washers not included - boulons, écrous et plaquettes pas compris  
- pernos, arandelas y tuercas no incluidos - ohne Bolzen, Mutter und Scheiben  
- parafusos, porcas e bolachas nao incluidos - dadi, bulloni e rondelle non inclusi



KIT BRIDE  
KIT BRIDA  
VORSCHWEISSBUND  
PORTA-FLANGE, KIT  
KIT FLANGIA

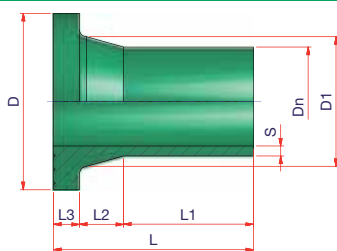
## LOOSE FLANGE - KIT (SFLAKA)

Code	ø	Dn	S	L	L1	H	Int. A	D1	Holes (no.)	Notes
19SFLAKA50	50	50	4.6	95	67	127	98,4	16	4	ANSI 150 flange bride ANSI 150 brida ANSI 150 ANSI 150 Flansch flange ANSI 150 flangia ANSI 150
19SFLAKA63	63	63	5.8	114	75	152,4	120,6	19	4	
19SFLAKA90	90	90	8.2	148	100	190,5	152,4	19	4	
19SFLAKA110	110	110	10	147	99	228,5	190,5	19	8	
19SFLAKA160	160	160	14.6	180	105	279,4	241,2	22,2	8	

- bolts, nuts and washers not included - boulons, écrous et plaquettes pas compris  
- pernos, arandelas y tuercas no incluidos - ohne Bolzen, Mutter und Scheiben  
- parafusos, porcas e bolachas nao incluidos - dadi, bulloni e rondelle non inclusi



## SINGLE WALL SYSTEM



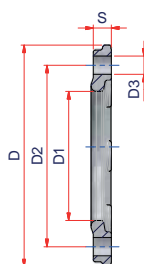
PIÈCES DE RECHANGE - COLLET  
 REPUESTOS - CASQUILLO  
 ERSATZTEILE - STUBFEN  
 PEÇAS DE REPOSIÇÃO - MANGA  
 PARTI DI RICAMBIO - CARTELLA

### LOOSE FLANGE - SPARE PARTS - STUB END

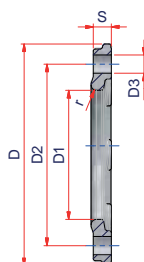
Code	ø	Dn	D1	D	S	L	L1	L2	L3	Notes
19SCART32	32	32	40	68	3	78	45	23	10	
19SCART50	50	50	61	88	4.6	96	67	18	12	
19SCART63	63	63	75	102	5.8	114	75	25	14	
19SCART90	90	90	105	138	8.2	150	100	33	17	
19SCART110	110	110	125	158	10	149	99	33	18	
19SCART160	160	160	175	212	14.6	180	105	50	25	



(1)



(2)



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

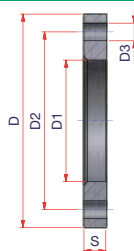
### LOOSE FLANGE - SPARE PARTS - FLANGE

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	
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
00FLAAL090 <sup>(2)</sup>	90	16	90	80	200	20	108	5	-	-	160	18	8	M16	bride UNI-DIN
00FLAAL110 <sup>(2)</sup>	110	16	110	100	220	20	128	5	-	-	180	18	8	M16	brida UNI-DIN
00FLAAL160 <sup>(2)</sup>	160	16	160	150	285	22	178	5	-	-	240	22	8	M20	UNI-DIN Flansch

UNI-DIN flange  
 bride UNI-DIN  
 brida UNI-DIN  
 UNI-DIN Flansch  
 flange UNI-DIN  
 flangia UNI-DIN



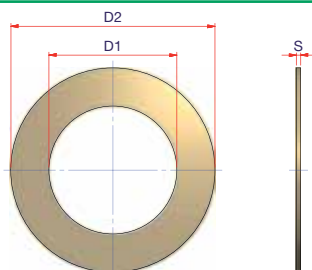
# SINGLE WALL SYSTEM



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

## LOOSE FLANGE - SPARE PARTS - FLANGE ANSI 150

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	
19SFLAA63	63	16	63	50	152.4	12	78	120.6	19	4	M16	ANSI 150 flange
19SFLAA90	90	16	90	80	190.5	13	109	152.4	19	4	M16	brida ANSI 150
19SFLAA110	110	16	110	100	228.6	13	130	190.5	19	8	M16	ANSI 150 Flansch
19SFLAA160	160	16	160	150	279.4	14	180	241.2	22.2	8	M20	flange ANSI 150 flangia ANSI 150



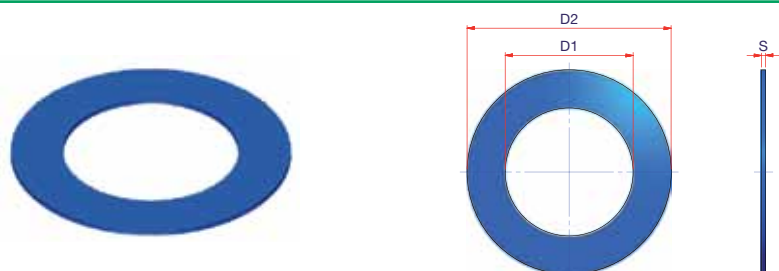
PIÈCES DE RECHANGE - JOINT CONFORME UL 971  
 REPUESTOS - JUNTA EN CONFORMIDAD CON UL 971  
 ERSATZTEILE - DICHTUNG MIT ZERTIFIKAT UL 971  
 PEÇAS DE REPOSIÇÃO - VEDANTE CONFORME UL 971  
 PARTI DI RICAMBIO - GUARNIZIONE IN CONFORMITÀ ALLA  
 NORMA UL 971

## UL 971 LISTED LOOSE FLANGE - SPARE PARTS - GASKET

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	



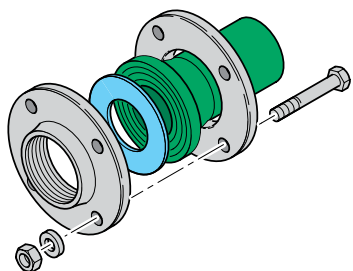
## SINGLE WALL SYSTEM



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

### LOOSE FLANGE - SPARE PARTS - GASKET

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	

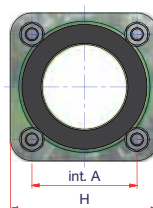
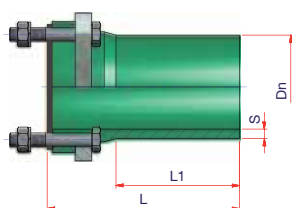
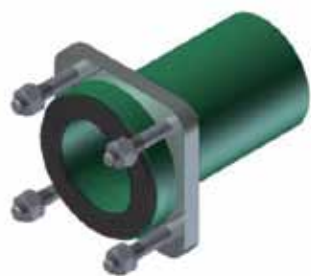


KIT BRIDE TARAUDÉE (KIT BRIDE + BRIDE FIXE TARAUDÉE + BOULONS)  
 KIT BRIDA ROSCADA (KIT BRIDA + BRIDA ROSCADA HEMBRA + PERNOS)  
 VORSCHWEISSBUND MIT INNENGEWINDE (VORSCHWEISSBUND + FLANSCH MIT INNENGEWINDE + BOLZEN)  
 KIT FLANGE ROSCA FÊMEA (KIT FLANGE + FLANGE FIXA ROSCADA + PARAFUSOS)  
 KIT FLANGIA FEMMINA FILETTATA (KIT FLANGIA + FLANGIA FISSA FILETTATA + BULLONI)

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

Code	Ø	Notes
19SFFK50112	50 x 1 1/2"	UNI-DIN flange bride UNI-DIN brida UNI-DIN UNI-DIN Flansch flange UNI-DIN flangia UNI-DIN
19SFFK632	60 x 2"	
19SFFK903	90 x 3"	
19SFFK1104	110 x 4"	

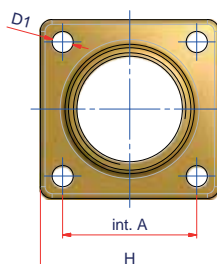
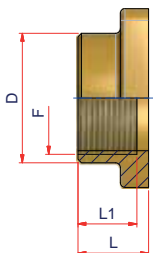
# SINGLE WALL SYSTEM



KIT BRIDE CARRÉE  
KIT BRIDA CUADRADA  
VIERKANTE FLANSCH  
KIT COLARINHO / FLANGE QUADRADA  
KIT FLANGIA QUADRA

## SQUARE FLANGE KIT (SAFFQ)

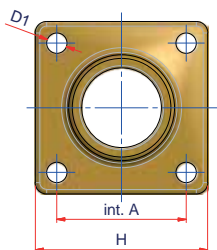
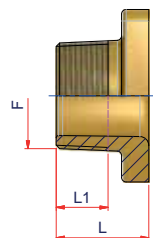
Code	ø	Dn	S	L	L1	H	Int. A	Notes
19SAFFQI50	50	50	4.6	100	67	76	57	Viton gasket/joint en Viton/junta de Viton/Dichtung aus Viton/Vedante de Viton/guarnizione in Viton
19SAFFQI63	60	63	5.8	117	117	90	64	
19SAFFQI90	90	90	8.2	155	100	114	89	
19SAFFQI110	110	110	10	155	100	145	114	



CONTRE BRIDE FEMELLE EN FONTE  
CONTRABRIDA HEMBRA DE FUNDICIÓN  
GEGENFLANSCH AUS GUSSEISEN MIT INNENGWINDE  
CONTRA FLANGE FÊMEA DE GUSA  
CONTRO FLANGIA FEMMINA IN GHISA

## CAST IRON 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	F BSP thread/filet F BSP/rosca H BSP/BSP Innengewinde/rosca H BSP/filettatura F BSP
19SAQF2	63 x 2"	2"	70	30	25	83	64	9	
19SAQF3	90 x 3"	3"	100	35	30	114	89	11	
19SAQF4	110 x 4"	4"	127	45	40	142	114	13	



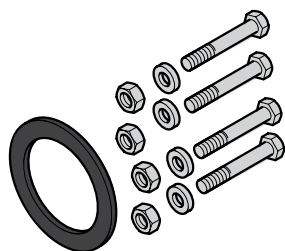
CONTRE BRIDE MÂLE EN FONTE  
CONTRABRIDA MACHO DE FUNDICIÓN  
GEGENFLANSCH AUS GUSSEISEN MIT AUSSENGWINDE  
CONTRA FLANGE MACHO DE GUSA  
CONTRO FLANGIA MASCHIO IN GHISA

## CAST IRON 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	M BSP thread/filet M BSP/rosca M BSP/BSP Aussengewinde/rosca M BSP/filettatura M BSP
19SAQM2	63 x 2"	2"	45	25	83	64	9	
19SAQM3	90 x 3"	3"	50	30	114	89	11	
19SAQM4	110 x 4"	4"	60	40	142	114	13	



# SINGLE WALL SYSTEM

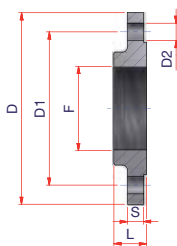


KIT D'ASSEMBLAGE POUR CONTRE BRIDE SAQF-SQM (SAQFMKI)  
 KIT DE MONTAJE PARA CONTRABRIDA SAQF-SQM (SAQFMKI)  
 ANBAUSATZ FÜR GEGENFLANSCHEN SAQF-SQM (SAQFMKI)  
 KIT MONTAGEM PARA FLANGE QUADRDADA SAQF-SQM (SAQFMKI)  
 KIT DI MONTAGGIO PER CONTRO FLANGIA SAQF-SQM (SAQFMKI)

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

Code	Ø	Notes
19SAQFMKI112•	50 x 1 1/2"	for/pour/para/für/para/per SAQF112 - SQM112
19SAQFMKI2•	63 x 2"	for/pour/para/für/para/per SAQF2 - SQM2
19SAQFMKI3•	90 x 3"	for/pour/para/für/para/per SAQF3 - SQM3
19SAQFMKI4•	110 x 4"	for/pour/para/für/para/per SAQF4 - SQM4

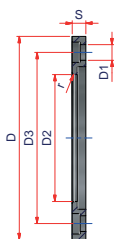
• Viton gasket/joint en Viton/junta de Viton/Dichtung aus Viton/Vedante de Viton/guarnizione in Viton



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	UNI EN 1092-1
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	
00FLAFF4	100 x 4"	16	4"	100	220	180	18	17	38	8	M20	

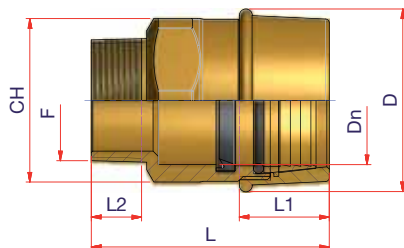


BRIDE EN ACIER RECOUVERTE DE POLYPROPYLENE  
 BRIDA DE ACERO RECUBIERTA DE POLIPROPILENO  
 STAHLFLANSCH ÜBERZIEHT AUS POLYPROPYLENE  
 FLANGE DE AÇO ENVOLTA DE POLIPROPILENO  
 FLANGIA IN ACCIAIO RICOPERTA DI POLIPROPILENE

## POLYPROPYLENE COVERED STEEL FLANGE

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

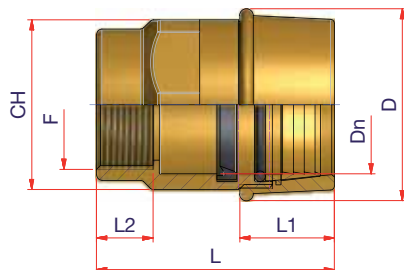
# SINGLE WALL SYSTEM



RACCORD À COMPRESSION FILETÉ MÂLE  
CASQUILLO DE COMPRESIÓN CON ROSCA MACHO  
SCHRAUBSTUTZEN MIT AUSSENGWINDE  
ADAPTADOR DE COMPRESSÃO MACHO LATÃO  
BOCCHETTONE FILETTATO MASCHIO

## 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 rosca BSP BSP Gewinde rosca BSP filettatura BSP
19SBM632	63 x 2"	63	2"	88	100	38	23.4	77	
19SBM903	90 x 3"	90	3"	120	128	42	29.8	109	



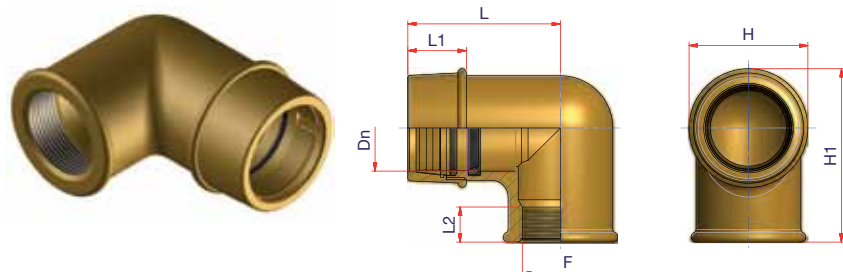
RACCORD À COMPRESSION FILETÉ FEMELLE  
CASQUILLO DE COMPRESIÓN CON ROSCA HEMBRA  
SCHRAUBSTUTZEN MIT INNENGWINDE  
ADAPTADOR DE COMPRESSÃO FÊMEA LATÃO  
BOCCHETTONE FILETTATO FEMMINA

## 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 rosca BSP BSP Gewinde rosca BSP filettatura BSP
19SBF632	63 x 2"	63	2"	88	96	38	23.7	77	
19SBF903	90 x 3"	90	3"	120	120	42	33.3	109	



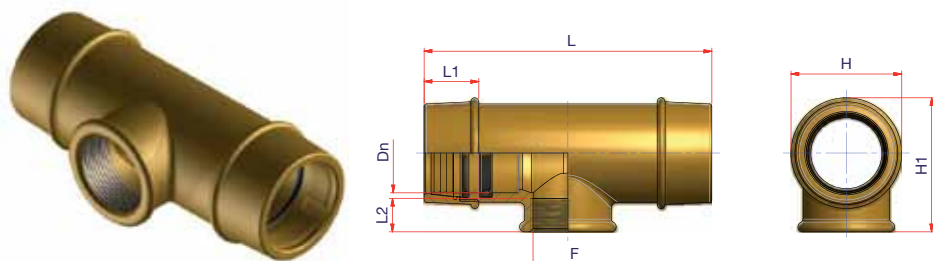
## SINGLE WALL SYSTEM



COUDE À 90° À COMPRESSION FILETÉ FEMELLE  
 CODO DE 90° DE COMPRESIÓN CON ROSCA HEMBRA  
 SCHRAUBWINKEL 90° MIT INNENGWINDE  
 COTOVELO 90° DE COMPRESSÃO FEMEA LATÃO  
 BOCCHETTONE 90° FILETTATO FEMMINA

### 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



TÉ EGAL À COMPRESSION FILETÉ FEMELLE  
 TE DE COMPRESIÓN CON ROSCA HEMBRA  
 T-SCHRAUBSTUTZEN MIT INNENGWINDE  
 TÊ DE COMPRESSÃO LATÃO C/ ROSCA FÊMEA NA  
 DERIVAÇÃO  
 BOCCHETTONE A T FILETTATO FEMMINA

### 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



# DOUBLE WALL SYSTEM



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

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

DOPPELWANDIGES ROHRSYSTEM FÜR KRAFTSTOFF -  
IP UND KIWA - ROLLEN/STANGEN

TUBO DE PAREDE DUPLA P/ 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	ø	Package (m)	Dn	D1	I	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 a pedido - disponibile su richiesta



TUYAUTERIE DOUBLE ENVELOPPE POUR REFOULEMENT -  
EN 14125 - COURONNES/BARRES

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

DOPPELWANDIGES ROHRSYSTEM FÜR KRAFTSTOFF -  
EN 14125 - ROLLEN/STANGEN

TUBO DE PAREDE DUPLA P/ 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 (TSMADH)

Code	ø	Package (m)	Dn	D1	I	S min	S1 min	Se min	Weight kg/m	Notes
19TSMADH3240R75 (*)	32	75	32	40	1.7	2.4	1	2.4	0.65	coils/couronnes/rollos/Rollen/bobinas/rotoli EN14125 listed
19TSMADH50R75	50	75	50	63	4	3.7	1	2.5	1.26	coils/couronnes/rollos/Rollen/bobinas/rotoli EN14125 listed
19TSMADH50B6	50	4x5.8	50	63	4	3.7	1	2.5	1.26	straight lengths (sticks)/barres/barras/Stangen/barras/barre EN14125 listed
19TSMADH63R75	63	75	63	75	3.2	4.7	1	2.9	1.83	coils/couronnes/rollos/Rollen/bobinas/rotoli EN14125 listed
19TSMADH63B6	63	1x5.8	63	75	3.2	4.7	1	2.9	1.83	straight lengths (sticks)/barres/barras/Stangen/barras/barre EN14125 listed
19TSMADH90B6	90	1x5.8	90	125	12.8	6.7	1	4.8	4.01	straight lengths (sticks)/barres/barras/Stangen/barras/barre EN14125 listed
19TSMADH110125B6	110	1x5.8	110	125	3.2	8.1	1	4.8	4.92	straight lengths (sticks)/barres/barras/Stangen/barras/barre EN14125 listed
19TSMADH160225B6 (*)	160	1x5.8	160	225	28.3	11.8	1	8.6	12.25	straight lengths (sticks)/barres/barras/Stangen/barras/barre

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



## DOUBLE WALL SYSTEM



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

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

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

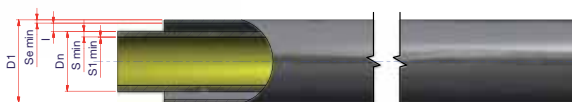
TUBO DE PAREDE DUPLA P/ LINHA DE PRODUTO, CONFORME UL 971 - BOBINAS/BARRAS

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	ø	Package (m)	Dn	D1	I	S min	S1 max	S2 max	Se min	Sp min	Weight kg/m	Notes
19TSMAXPD3263R50 (*)	32	50	32	63	12.2	3.7	0.5	0.5	2.5	0.5	1.15	coils/couronnes/rollos Rollen/bobinas/rotoli
19TSMAXPD50R75	50	4x5.8	50	63	3.1	3.7	0.5	0.5	2.5	0.5	1.48	coils/couronnes/rollos Rollen/bobinas/rotoli
19TSMAXPD50B6	50	75	50	63	3.1	3.7	0.5	0.5	2.5	0.5	1.48	straight lengths (sticks)/barres/ barras/Stangen/barras/barre
19TSMAXPD63R75	63	3x5.8	63	75	2.3	4.7	0.5	0.5	2.9	0.5	2.10	coils/couronnes/rollos Rollen/bobinas/rotoli
19TSMAXPD63B6	63	1x5.8	63	75	2.3	4.7	0.5	0.5	2.9	0.5	2.10	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	4.46	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	5.43	straight lengths (sticks)/barres/ barras/Stangen/barras/barre

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



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

TUBERÍA DOBLE CONTENIMIENTO 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 FÜLLUNG - PRIMÄR UND SEKUNDÄR EN 14125, MIT ZERTIFIKAT IP UND KIWA - ROLLEN/STANGEN

TUBO DE PAREDE DUPLA PARA LINHA DE VAPOR, RESPIRO, DESCARGA - PRIMÁRIO E SECUNDÁRIO CONFORME 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	I	S min	S1 min	Se min	Weight kg/m	Notes
19TSMAUD50B6	50	75	50	63	4	3.7	0.4	2.5	1.14	straight lengths (sticks)/barres/ barras/Stangen/barras/barre
19TSMAUD50R75	50	4x5.8	50	63	4	3.7	0.4	2.5	1.14	coils/couronnes/rollos Rollen/bobinas/rotoli
19TSMAUD63B6	63	75	63	75	3.2	4.7	0.4	2.9	1.68	straight lengths (sticks)/barres/ barras/Stangen/barras/barre
19TSMAUD63R75	63	1x5.8	63	75	3.2	4.7	0.4	2.9	1.68	coils/couronnes/rollos Rollen/bobinas/rotoli
19TSMAUD90B6	90	1x5.8	90	125	12.8	6.7	0.4	4.8	3.80	straight lengths (sticks)/barres/ barras/Stangen/barras/barre
19TSMAUD110125B6	110	1x5.8	110	125	3.2	8.1	0.4	4.8	4.69	straight lengths (sticks)/barres/ barras/Stangen/barras/barre
19TSMAUD160225B6 (*)	160	1x5.8	160	225	28.3	11.8	0.4	8.6	11.90	straight lengths (sticks)/barres/ barras/Stangen/barras/barre

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

# DOUBLE WALL SYSTEM



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

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

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

TUBO DE PAREDE DUPLA PARA LINHA DE VAPOR/RESPIRO, CONFORME 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	1.85	coils/couronnes/rollos Rollen/bobinas/rotoli
19TSMAUXPD63B6	63	3x5.8	63	75	2.8	4.7	0.5	2.9	0.5	1.85	straight lengths (sticks)/barres/ barras/Stangen/barras/barre
19TSMAUXPD90B6	90	1x5.8	90	125	12.4	6.7	0.5	4.8	0.5	4.11	straight lengths (sticks)/barres/ barras/Stangen/barras/barre
19TSMAUXPD110B6	110	1x5.8	110	125	2.3	8.1	0.5	4.8	0.5	5.00	straight lengths (sticks)/barres/ barras/Stangen/barras/barre

N.B.:

Please contact NUPIGECO for non-standard lengths and delivery time.

S'il vous plait contactez NUPIGECO pour longueurs hors standard et temps de livraison.

Les rogamos que contacten NUPIGECO para longitudes no estándar y tiempo de entrega.

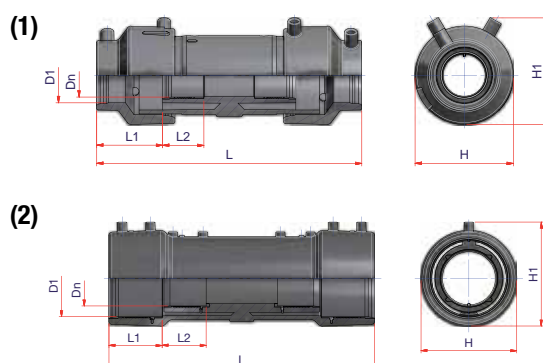
Treten Sie bitte mit NUPIGECO für Nicht-Standard Längen und Lieferzeit.

Contatar NUPIGECO para comprimentos fora dos padrões e tempos da entrega.

Contattare NUPIGECO per lunghezze fuori standard e relativi tempi di consegna.



## DOUBLE WALL SYSTEM

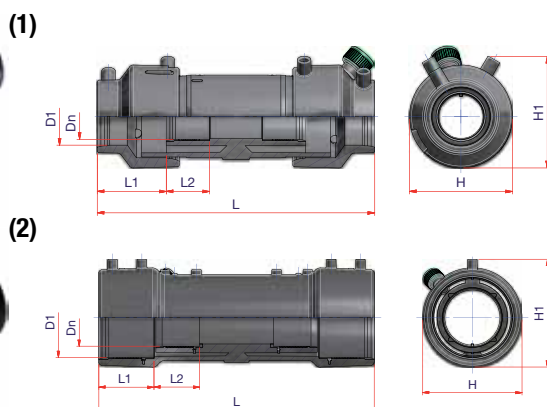


MANCHON COAXIAL POUR TUYAUTERIE DOUBLE  
ENVELOPPE ELECTROSOUDABLE  
MANGUITO COAXIAL PARA TUBERÍA DOBLE  
CONTENIMIENTO ELECTROSOLDABLE  
ELEKTROSCHWEISSBARE KOAXIALE MUFFE FÜR  
DOPPELWANDIGES ROHRSYSTEM  
UNIÃO COAXIAL ELETROFUSÃO DE PAREDE DUPLA  
MANICOTTO COASSIALE DOPPIA PARETE  
ELETTROSALDABILE

### COAXIAL STRAIGHT CONNECTOR/COUPLING - ELECTROFUSION (SMEDW)

Code	ø	Dn	D1	L1	L2	L	H1	H	Notes
19SMEDW50 <sup>(1)</sup> •	50	63	50	77	48	309	130	114	
19SMEDW63 <sup>(1)</sup> •	63	75	63	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 compris - reducciones para tubo primario y secundario incluidas - mit Reduzierstücken für Primär- und Sekundärrohr - reduções para tubo primário e secundário incluidas - riduzioni per tubo primario e secundario comprese



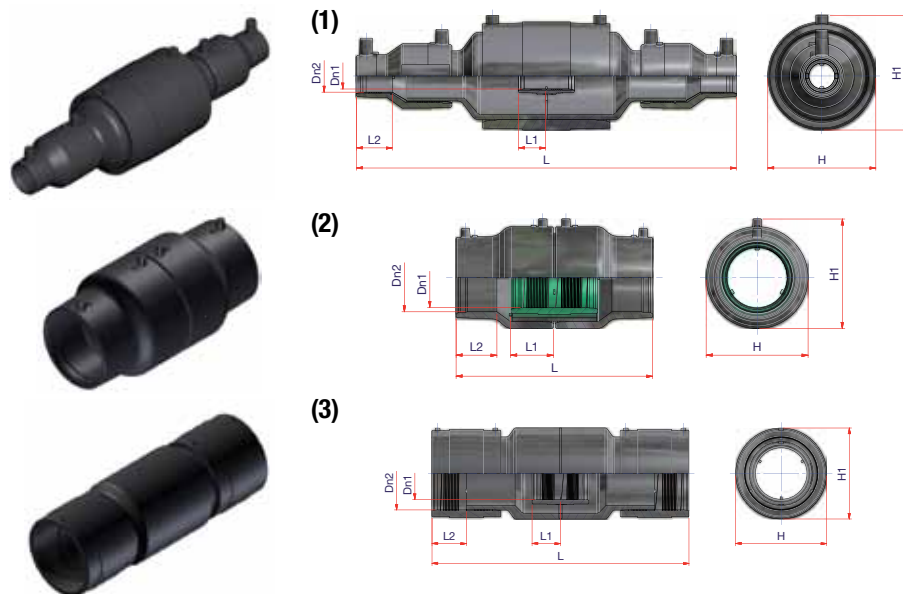
MANCHON COAXIAL POUR TUYAUTERIE DOUBLE  
ENVELOPPE ELECTROSOUDABLE AVEC PRISE DE TEST  
MANGUITO COAXIAL PARA TUBERÍA DOBLE  
CONTENIMIENTO ELECTROSOLDABLE CON VÁLVULA DE  
PRUEBA  
ELEKTROSCHWEISSBARE KOAXIALE MUFFE FÜR  
DOPPELWANDIGES ROHRSYSTEM MIT PRÜFANSCHLUSS  
UNIÃO COAXIAL ELETROFUSÃO DE PAREDE DUPLA COM  
PORTA DE TESTE  
MANICOTTO COASSIALE DOPPIA PARETE  
ELETTROSALDABILE CON VALVOLA DI PROVA PER TEST IN  
PRESSIONE

### COAXIAL STRAIGHT CONNECTOR/COUPLING WITH TEST PORT - ELECTROFUSION (SMEDWTP)

Code	ø	Dn	D1	L1	L2	L	H1	H	Notes
19SMEDWTP50 <sup>(1)</sup> •	50	63	50	77	48	309	130	114	
19SMEDWTP63 <sup>(1)</sup> •	63	75	63	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 compris - reducciones para tubo primario y secundario incluidas - mit Reduzierstücken für Primär- und Sekundärrohr - reduções para tubo primário e secundário incluidas - riduzioni per tubo primario e secundario comprese

# DOUBLE WALL SYSTEM



MANCHON COAXIAL POUR TUYAUTERIE DOUBLE  
ENVELOPPE ELECTROSOUDABLE

MANGUITO COAXIAL PARA TUBERÍA DOBLE  
CONTENIMIENTO ELECTROSOLDABLE

ELEKTROSCHWEISSBARE KOAXIALE MUFFE FÜR  
DOPPELWANDIGES ROHRSYSTEM

UNIÃO COAXIAL ELETROFUSÃO DE PAREDE DUPLA

MANICOTTO COASSIALE DOPPIA PARETE  
ELETTROSALDABILE

## COAXIAL STRAIGHT CONNECTOR/COUPLING - ELECTROFUSION (SMEDWR)

Code	ø	Dn1	Dn2	L1	L2	L	H1	H	Notes
19SMEDWR3240 <sup>(1)</sup> • (*)	32 x 40	32	40	34	45	478	144	136	
19SMEDWR110125 <sup>(2)</sup> • (*)	110 x 125	110	125	84	74	361	201	187	
19SMEDWR160225 <sup>(3)</sup> (*) (**)	160 x 225	160	225	87	104	792	280	280	

- reducers for primary and secondary pipe included - réductions pour tuyau primaire et secondaire compris - reducciones para tubo primario y secundario incluidas - mit Reduzierstücken für Primär- und Sekundärrohr - reduções para tubo primário e secundário incluídas - riduzioni per tubo primario e secundario comprese

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

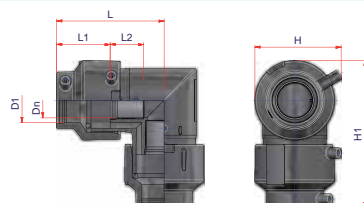
(\*\*) couplers included - manchons inclus - manguitos incluidos - mit Muffen - uniões incluídas - manicotti inclusi



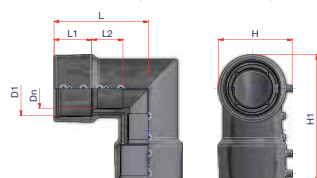
## DOUBLE WALL SYSTEM



(1)



(2)



COUDE COAXIAL À 90° POUR TUYAUTERIE DOUBLE ENVELOPPE  
ELECTROSOUDABLE

CODO COAXIAL DE 90° PARA TUBERÍA DOBLE CONTENIMIENTO  
ELECTROSOLDABLE

ELEKTROSCHWEISSBARES DOPPELWANDIGES KOAXIAL ROHRWINKEL 90°

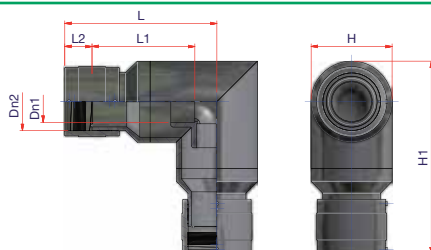
COTOVELO 90° COAXIAL ELETROFUSÃO DE PAREDE DUPLA

CURVA COASSIALE A 90° DOPPIA PARETE ELETROSALDABILE

### COAXIAL ELBOW 90° - ELECTROFUSION (SGEDW)

Code	ø	Dn	D1	L1	L2	L	H1	H	Notes
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 compris - reducciones para tubo primario y secundario incluidas - mit Reduzierstücken für Primär- und Sekundärrohr - reduções para tubo primário e secundário incluídas - riduzioni per tubo primario e secundario comprese



COUDE COAXIAL À 90° POUR TUYAUTERIE DOUBLE ENVELOPPE  
ELECTROSOUDABLE

CODO COAXIAL DE 90° PARA TUBERÍA DOBLE CONTENIMIENTO  
ELECTROSOLDABLE

ELEKTROSCHWEISSBARES DOPPELWANDIGES KOAXIAL ROHRWINKEL 90°

COTOVELO 90° COAXIAL ELETROFUSÃO DE PAREDE DUPLA

CURVA COASSIALE A 90° DOPPIA PARETE ELETROSALDABILE

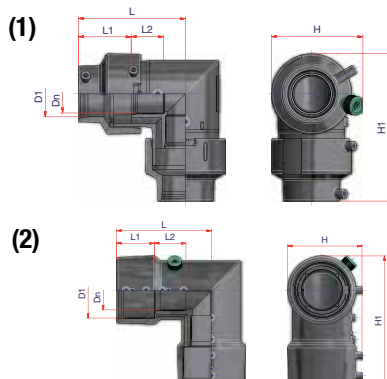
### COAXIAL ELBOW 90° - ELECTROFUSION (SGEDWR)

Code	ø	Dn1	Dn2	L1	L2	L	H1	H	Notes
19SGEDWR160225 <sup>(3)</sup> •(*)	160 x 225	160	225	400	104	592	749	315	

- reducers for primary and secondary pipe included - réductions pour tuyau primaire et secondaire compris - reducciones para tubo primario y secundario incluidas - mit Reduzierstücken für Primär- und Sekundärrohr - reduções para tubo primário e secundário incluídas - riduzioni per tubo primario e secundario comprese



# DOUBLE WALL SYSTEM



COUDE COAXIAL À 90° POUR TUYAUTERIE DOUBLE ENVELOPPE ELECTROSOUDABLE AVEC PRISE DE TEST  
CODO COAXIAL DE 90° PARA TUBERÍA DOBLE CONTENIMIENTO ELECTROSOLDABLE CON VÁLVULA DE PRUEBA

ELEKTROSCHWEISSBARES DOPPELWANDIGES KOAXIAL ROHRWINKEL 90° MIT PRÜFANSCHLUSS

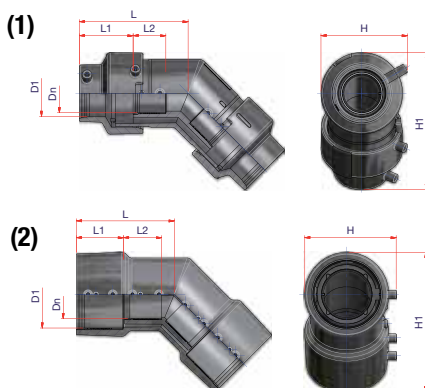
COTOVELO 90° COAXIAL ELETROFUSÃO DE PAREDE DUPLA COM PORTA DE TESTE

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 compris - reducciones para tubo primario y secundario incluidas - mit Reduzierstücken für Primär- und Sekundärrohr - reduções para tubo primário e secundário incluídas - riduzioni per tubo primario e secundario comprese



COUDE COAXIAL À 45° POUR TUYAUTERIE DOUBLE ENVELOPPE ELECTROSOUDABLE

CODO COAXIAL DE 45° PARA TUBERÍA DOBLE CONTENIMIENTO ELECTROSOLDABLE

ELEKTROSCHWEISSBARES DOPPELWANDIGES KOAXIAL ROHRWINKEL 45°

COTOVELO 45° COAXIAL ELETROFUSÃO DE PAREDE DUPLA

CURVA COASSIALE A 45° DOPPIA PARETE ELETTROSALDABILE

## COAXIAL ELBOW 45° - ELECTROFUSION (SCEDW)

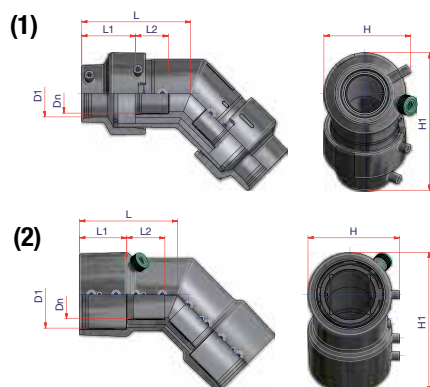
Code	ø	Dn	D1	L1	L2	L	H1	H	Notes
19SCEDW50 <sup>(1)</sup> • (*)	50	50	63	77	48	154	194	124	
19SCEDW63 <sup>(1)</sup> •	63	63	75	89	54	180	227	150	
19SCEDW90 <sup>(2)</sup>	90	90	125	91	161	185	263	172	
19SCEDW110 <sup>(1)</sup> •	110	110	125	148	83	290	350	200	

- reducers for primary and secondary pipe included - réductions pour tuyau primaire et secondaire compris - reducciones para tubo primario y secundario incluidas - mit Reduzierstücken für Primär- und Sekundärrohr - reduções para tubo primário e secundário incluídas - riduzioni per tubo primario e secundario comprese

(\*) 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 ENVELOPPE ELECTROSOUDABLE AVEC PRISE DE TEST

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

ELEKTROSCHWEISSBARES DOPPELWANDIGES KOAXIAL ROHRWINKEL 45° MIT PRÜFANSCHLUSS

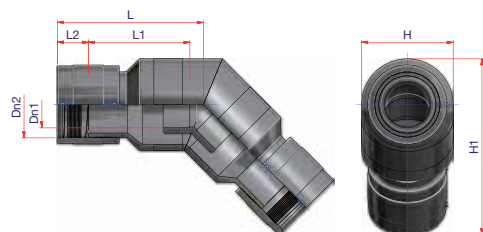
COTOVELO 45° COAXIAL ELETROFUSÃO DE PAREDE DUPLA COM PORTA DE TESTE

CURVA COASSIALE A 45° DOPPIA PARETE ELETTRISALDABILE 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 compris - reducciones para tubo primario y secundario incluidas - mit Reduzierstücken für Primär- und Sekundärrohr - reduções para tubo primário e secundário incluidas - riduzioni per tubo primario e secundario comprese



TÉ ÉGAL COAXIAL À 45° POUR TUYAUTERIE DOUBLE ENVELOPPE ELECTROSOUDABLE

TE COAXIAL DE 45° PARA TUBERÍA DOBLE CONTENIMIENTO ELECTROSOLDABLE

ELEKTROSCHWEISSBARES DOPPELWANDIGES KOAXIAL T-STÜCK, 45° GLEICH SCHENKLIG

TÊ IGUAL COAXIAL 45° ELETROFUSÃO DE PAREDE DUPLA

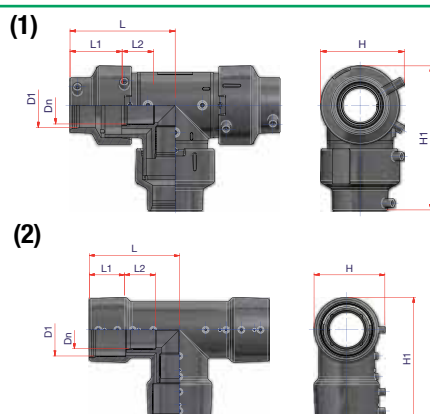
TEE COASSIALE A 45° DOPPIA PARETE ELETTRISALDABILE

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

Code	ø	Dn1	Dn2	L1	L2	L	H1	H	Notes
19SCEDWR160225 •	160 x 225	160	225	352	104	502	315	605	

- reducers for primary and secondary pipe included - réductions pour tuyau primaire et secondaire compris - reducciones para tubo primario y secundario incluidas - mit Reduzierstücken für Primär- und Sekundärrohr - reduções para tubo primário e secundário incluidas - riduzioni per tubo primario e secundario comprese

# DOUBLE WALL SYSTEM



TÉ ÉGAL COAXIAL POUR TUYAUTERIE DOUBLE ENVELOPPE ELECTROSOUDABLE

TE COAXIAL PARA TUBERÍA DOBLE CONTENIMIENTO ELECTROSOUDABLE

ELEKTROSCHWEISSBARES DOPPELWANDIGES KOAXIAL T-STÜCK, GLEICH SCHENKLIG

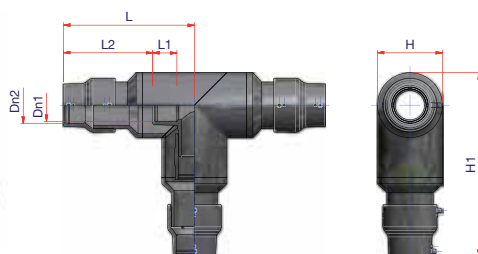
TÊ IGUAL COAXIAL ELETROFUSÃO DE PAREDE DUPLA

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 compris - reducciones para tubo primario y secundario incluidas - mit Reduzierstücken für Primär- und Sekundärrohr - reduções para tubo primário e secundário incluídas - riduzioni per tubo primario e secundario comprese



TÉ ÉGAL COAXIAL POUR TUYAUTERIE DOUBLE ENVELOPPE ELECTROSOUDABLE

TE COAXIAL PARA TUBERÍA DOBLE CONTENIMIENTO ELECTROSOUDABLE

ELEKTROSCHWEISSBARES DOPPELWANDIGES KOAXIAL T-STÜCK, GLEICH SCHENKLIG

TÊ IGUAL COAXIAL ELETROFUSÃO DE PAREDE DUPLA

TEE COASSIALE DOPPIA PARETE ELETTRISALDABILE

## COAXIAL EQUAL TEE - ELECTROFUSION (STEDWR)

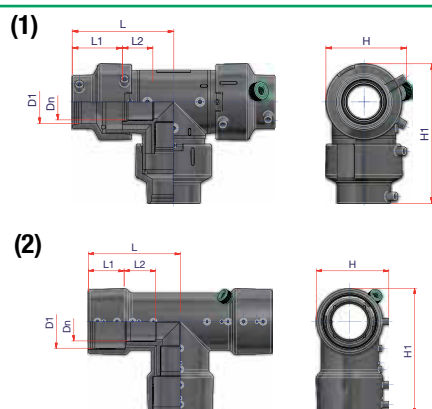
Code	ø	Dn1	Dn2	L1	L2	L	H1	H	Notes
19STEDWR110125 • (*)	110 x 125	110	125	83	309	453	635.5	225	

- reducers for primary and secondary pipe included - réductions pour tuyau primaire et secondaire compris - reducciones para tubo primario y secundario incluidas - mit Reduzierstücken für Primär- und Sekundärrohr - reduções para tubo primário e secundário incluídas - riduzioni per tubo primario e secundario comprese

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



## DOUBLE WALL SYSTEM

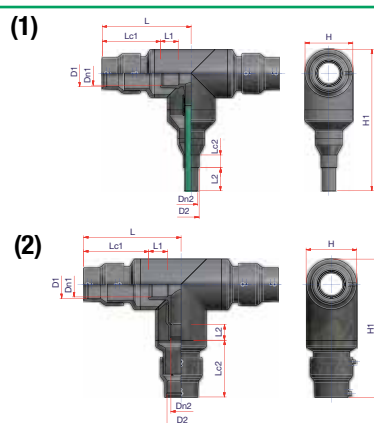


TÉ ÉGAL COAXIAL POUR TUYAUTERIE DOUBLE ENVELOPPE  
ELECTROSOUDABLE AVEC PRISE DE TEST  
TE COAXIAL PARA TUBERÍA DOBLE CONTENIMIENTO  
ELECTROSOLDABLE CON VÁLVULA DE PRUEBA  
ELEKTROSCHWEISSBARES DOPPELWANDIGES KOAXIAL  
T-STÜCK, GLEICH SCHENKLIG, MIT PRÜFANSCHLUSS  
TÊ COAXIAL ELETROFUSÃO DE PAREDE DUPLA COM PORTA  
DE TESTE  
TEE COASSIALE A 90° DOPPIA PARETE ELETROSALDABILE  
CON VALVOLA DI PROVA PER TEST IN PRESSIONE

### 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 compris - reducciones para tubo primario y secundario incluidas - mit Reduzierstücken für Primär- und Sekundärrohr - reduções para tubo primário e secundário incluídas - riduzioni per tubo primario e secundario comprese



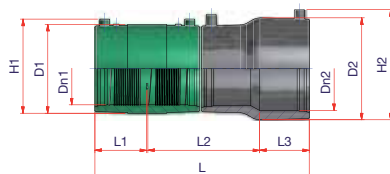
TÉ REDUITE POUR TUYAUTERIE DOUBLE ENVELOPPE  
TE REDUCIDA PARA TUBERÍA DOBLE CONTENIMIENTO  
REDUZIERTES T-STÜCK FÜR DOPPELWANDIGESROHR  
TÊ REDUITA PARA TUBERÍA DE PAREDE DUPLA  
TEE RIDOTTA PER TUBO DOPPIA PARETE

### 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	273	108	60	417	664.5	225	
19STREDWR11090 <sup>(2)</sup> •	110 x 90	110	125	90	75	83	289	70	252.5	433	615.5	225	
19STREDWR160110 <sup>(2)</sup> *	160 x 110	160	-	110	-	-	-	-	-	-	-	-	

- reducers for primary and secondary pipe included - réductions pour tuyau primaire et secondaire compris - reducciones para tubo primario y secundario incluidas - mit Reduzierstücken für Primär- und Sekundärrohr - reduções para tubo primário e secundário incluídas - riduzioni per tubo primario e secundario comprese
- (\*) available upon request - disponible sur demande - disponibile a pedido - verfügbar auf Anfrage - disponível a pedido - disponibile su richiesta

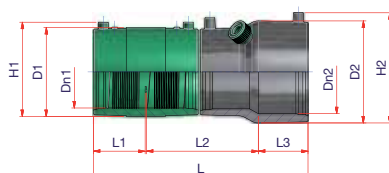
# DOUBLE WALL SYSTEM



RACCORD TERMINAL ELECTROSOUDABLE - MONTÉ  
UNIÓN TERMINAL ELECTROSOLDABLE - ENSAMBLADA  
ELEKTROSCHWEISSBARES ENDSTÜCK - ZUSAMMENGESETZT  
LUVA TERMINAL ELETROFUSÃO DE PAREDE DUPLA - MONTADA  
RACCORDO TERMINALE ELETTRISALDABILE - COMPOSTO

## TERMINATION FITTING - ASSEMBLED - ELECTROFUSION (SETFR)

Code	ø	Dn1	Dn2	D1	H1	D2	H2	L1	L2	L3	L	Notes
19SETFR3240	32 x 40	32	40	46	65	55	74	34	86	47	170	
19SETFR110125	110 x 125	110	125	136	144	156	168,5	79	171	76	328	
19SETFR160225	160 x 225	160	225	191	201	281	281	87	222	125	435	



RACCORD TERMINAL ELECTROSOUDABLE AVEC PRISE DE TEST - MONTÉ  
UNIÓN TERMINAL ELECTROSOLDABLE CON VÁLVULA DE PRUEBA - ENSAMBLADA  
ELEKTROSCHWEISSBARES ENDSTÜCK MIT PRÜFANSCHLUSS - ZUSAMMENGESETZT  
LUVA TERMINAL ELETROFUSÃO DE PAREDE DUPLA COM PORTA DE TESTE - MONTADA  
RACCORDO TERMINALE ELETTRISALDABILE CON VALVOLA DI PROVA PER TEST IN PRESSIONE - COMPOSTO

## TERMINATION FITTING WITH TEST PORT - ASSEMBLED - ELECTROFUSION (SETF-SETFV)

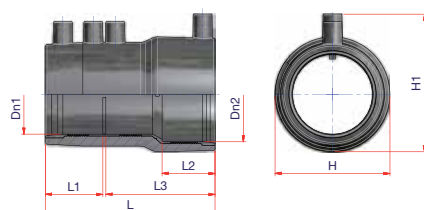
Code	ø	Dn1	Dn2	D1	H1	D2	H2	L1	L2	L3	L	Notes
19SETFVR3240	32 x 40	32	40	46	65	55	74	34	86	47	170	
19SETFVR160225	160 x 225	160	225	191	201	281	281	87	222	125	435	



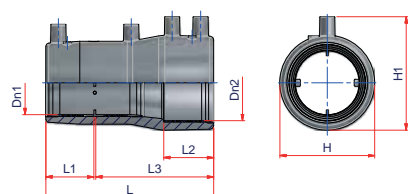
## DOUBLE WALL SYSTEM



(1)



(2)



RACCORD TERMINAL ELECTROSOUDABLE DOUBLE ENVELOPPE –  
STRUCTURE COMPACTE

UNIÓN TERMINAL ELECTROSOLDABLE DOBLE PARED –  
ESTRUCTURA COMPACTA

DOPPELWANDIGES ELEKTROSCHWEISSBARES ENDSTÜCK –  
KOMPAKTSTRUKTUR

LUVA TERMINAL ELETROFUSÃO DE PAREDE DUPLA – ESTRUTURA  
COMPACTA

RACCORDO TERMINALE ELETTRISALDABILE DOPPIA PARETE –  
STRUTTURA COMPATTA

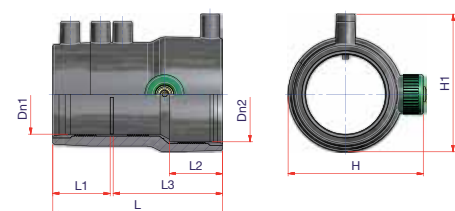
### TERMINATION FITTING ELECTROFUSION - DOUBLE WALL - COMPACT DESIGN (SETFC)

Code	ø	Dn1	Dn2	L1	L2	L3	L	H1	H	Notes
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	
19SETFC90 <sup>(2)</sup>	90	90	125	58.5	88	169.5	230	172	155	
19SETFC110 <sup>(1) (*)</sup>	110	110	125	69	65.5	134	207.5	168	156	

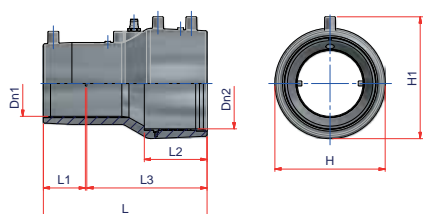
(\*) available soon - bientôt disponible - disponible en breve - in Kürze verfügbar - disponível em breve - disponibile a breve



(1)



(2)



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

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

DOPPELWANDIGES ELEKTROSCHWEISSBARES ENDSTÜCK MIT  
PRÜFANSCHLUSS - KOMPAKTSTRUKTUR

LUVA TERMINAL ELETROFUSÃO DE PAREDE DUPLA COM PORTA DE  
TESTE – ESTRUTURA COMPACTA

RACCORDO TERMINALE ELETTRISALDABILE DOPPIA PARETE  
CON VALVOLA DI PROVA PER TEST IN PRESSIONE – STRUTTURA  
COMPATTA

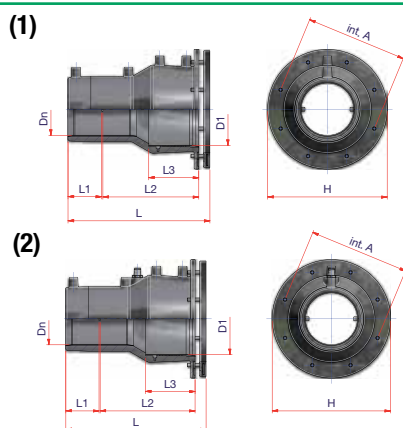
### TERMINATION FITTING WITH TEST PORT ELECTROFUSION - DOUBLE WALL - COMPACT DESIGN (SETFCV)

Code	ø	Dn1	Dn2	L1	L2	L3	L	H1	H	Notes
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	
19SETFCV90 <sup>(2)</sup>	90	90	125	58.5	88	169.5	230	132	155	
19SETFCV110 <sup>(1) (*)</sup>	110	110	125	69	65.5	134	207.5	168	172.5	

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



# DOUBLE WALL SYSTEM



RACCORD TERMINAL / PRESSE-ÉTOUPES  
ELECTROSOUDABLE

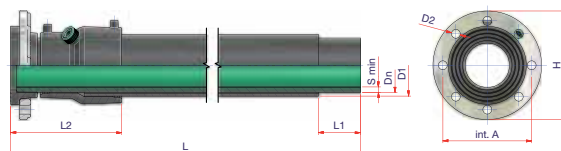
UNIÓN TERMINAL / PASA-MUROS ELECTROSOLDABLE  
ELEKTROSCHWEISSBARES ENDANSCHLUSS / ENDSTÜCK  
LUVA TERMINAL ELETROFUSÃO DE PAREDE DUPLA / BOOT  
INTEGRADO

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	53	168.5	88	210	178	8	
19SEBTFV90 <sup>(2) (*)</sup>	90	90	125	249	53	168.5	88	210	178	8	

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



KIT TERMINAL DOUBLE ENVELOPPE AVEC BRIDE 110/125  
KIT TERMINAL DOBLE CONTENIMIENTO CON BRIDA  
110/125

DOPPELWANDIGES ENDSTÜCK KIT MIT FLANSCH 110/125  
KIT TERMINAL DE PAREDE DUPLA COM FLANGE 110/125  
KIT TERMINALE DOPPIA PARETE CON FLANGIA 110/125

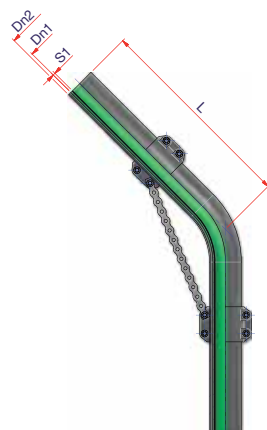
## DOUBLE WALL TERMINATION FITTING KIT WITH FLANGE 110/125 (SETFVKFLA)

Code	ø	Dn	S min	D1	L1	L2	L	H	int. A	D2	Holes (no.)	Notes
19SETFVKFLA110 <sup>(*)</sup>	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 porta de teste - con valvola di prova



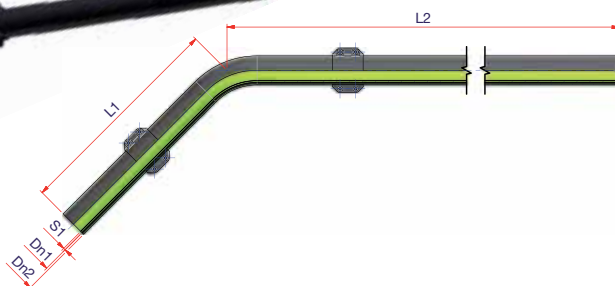
## DOUBLE WALL SYSTEM



COUDE DOUBLE ENVELOPPE À 45°  
CODO DE 45° DOBLE CONTENIMIENTO  
DOPPELWANDIGER BOGEN 45°  
COTOVELO 45° DE PAREDE DUPLA  
CURVA A 45° DOPPIA PARETE

### BEND 45° (SCBD)

Code	Ø	Dn	Dn2	S1	L	Notes
19SCBD50	50	50	63	4.6	408	
19SCBD63	63	63	75	5.8	402	

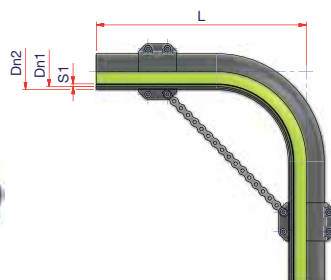


COUDE DOUBLE ENVELOPPE À 45° CONFORME UL 971  
CODO DE 45° DOBLE CONTENIMIENTO EN CONFORMIDAD CON UL 971  
DOPPELWANDIGER BOGEN 45° CONFORME UL 971  
COTOVELO 45° DE PAREDE DUPLA CONFORME UL 971  
CURVA A 45° DOPPIA PARETE IN CONFORMITÀ CON UL 971

### BEND 45° - UL 971 LISTED (SCBXP)

Code	Ø	Dn1	Dn2	S1	L1	L2	Notes
19SCBXP6372(*)	63 x 72	63	75	5.8	2134	564	Longer branch 2.1 mt 7 ft Made with TSMAXPD pipe

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

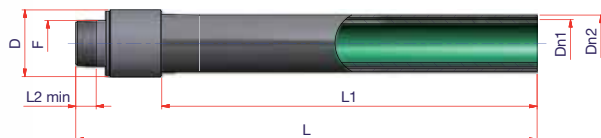


COUDE DOUBLE ENVELOPPE À 90°  
CODO DE 90° DOBLE CONTENIMIENTO  
DOPPELWANDIGER BOGEN 90°  
COTOVELO 90° DE PAREDE DUPLA  
CURVA A 90° DOPPIA PARETE

### BEND 90° (SGBD)

Code	Ø	Dn	Dn2	S1	L	Notes
19SGBD50	50	63	63	4.6	387	
19SGBD63	63	75	75	5.8	438	

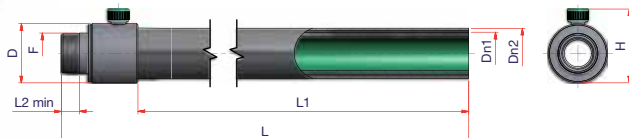
# DOUBLE WALL SYSTEM



ADAPTATEUR MÂLE LONG DOUBLE ENVELOPPE  
ADAPTADOR MACHO LARGO DOBLE CONTENIMIENTO  
DOPPELWANDIGER ADAPTER MIT AUSSENGEWINDE, LANG  
TRANSIÇÃO RETA MACHO DE PAREDE DUPLA LONGA PE X LATÃO  
ADATTATORE MASCHIO LUNGO DOPPIA PARETE

## RISER (SADWM)

Code	ø	Dn1	Dn2	F	D	L	L1	L2min	Notes
19SADWM50112	50 x 1 1/2"	50	63	1 1/2"	75	640	515	19.5	BSP thread/filet BSP rosca BSP/Gewinde BSP 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 ENVELOPPE AVEC PRISE DE TEST  
ADAPTADOR MACHO LARGO DOBLE CONTENIMIENTO CON VÁLVULA DE PRUEBA, LARGO  
DOPPELWANDIGER ADAPTER MIT AUSSENGEWINDE MIT PRÜFANSCHLUSS, LANG  
TRANSIÇÃO RETA MACHO DE PAREDE DUPLA LONGA PE X LATÃO COM PORTA DE TESTE  
ADATTATORE MASCHIO LUNGO DOPPIA PARETE CON VALVOLA DI PROVA PER TEST IN PRESSIONE

## LONG RISER MALE WITH TEST PORT (SADWMLTP)

Code	ø	Dn1	Dn2	F	D	H	L	L1	L2min	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	



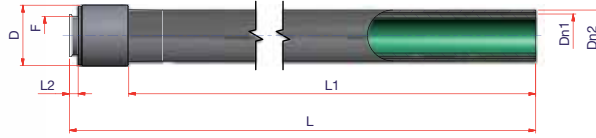
ADAPTATEUR DOUBLE ENVELOPPE EZ-FIT  
ADAPTADOR DOBLE CONTENIMIENTO EZ-FIT  
DOPPELWANDIGER ADAPTER EZ-FIT  
TRANSIÇÃO RETA DE PAREDE DUPLA PE X LATÃO EZ-FIT  
ADATTATORE DOPPIA PARETE EZ-FIT

## RISER EZ-FIT (SADWE)

Code	ø	Dn1	Dn2	F	D	L	L1	L2	Notes
19SADWE50	50	50	63	1 1/2"	73	577.5	500	13	
19SADWE63	63	63	75	2"	89	587.5	500	13	



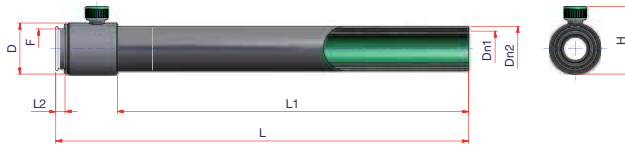
# DOUBLE WALL SYSTEM



ADAPTATEUR DOUBLE ENVELOPPE LONG EZ-FIT  
ADAPTADOR DOBLE CONTENIMIENTO LARGO EZ-FIT  
DOPPELWANDIGER ADAPTER EZ-FIT, LANG  
TRANSIÇÃO RETA DE PAREDE DUPLA LONGA PE X LATÃO  
EZ-FIT  
ADATTATORE LUNGO DOPPIA PARETE EZ-FIT

## RISER EZ-FIT LONG (SADWEL)

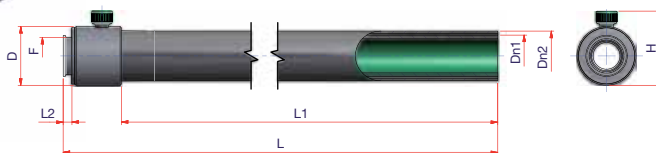
Code	ø	Dn1	Dn2	F	D	L	L1	L2	Notes
19SADWEL63	63	63	75	2"	89	1088	1000	13	



ADAPTATEUR DOUBLE ENVELOPPE EZ-FIT AVEC PRISE DE TEST  
ADAPTADOR DOBLE CONTENIMIENTO EZ-FIT CON VÁLVULA DE PRUEBA  
DOPPELWANDIGER ADAPTER EZ-FIT MIT PRÜFANSCHLUSS  
TRANSIÇÃO RETA DE PAREDE DUPLA PE X LATÃO EZ-FIT COM PORTA DE 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	1½"	73	96.5	587.5	500	13	
19SADWETP63	63	63	75	2"	89	112.5	587.5	500	13	

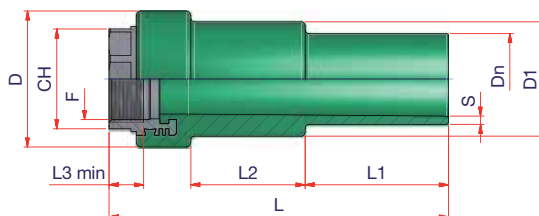


ADAPTATEUR LONG DOUBLE ENVELOPPE EZ-FIT AVEC PRISE DE TEST  
ADAPTADOR LARGO DOBLE CONTENIMIENTO EZ-FIT CON VÁLVULA DE PRUEBA  
DOPPELWANDIGER ADAPTER EZ-FIT, LANG MIT PRÜFANSCHLUSS  
TRANSIÇÃO RETA DE PAREDE DUPLA LONGA PE X LATÃO EZ-FIT COM PORTA DE TESTE  
ADATTATORE LUNGO DOPPIA PARETE EZ-FIT CON 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	1 ½"	73	96.5	1087.5	1000	13	
19SADWELTP63	63	63	75	2"	89	112.5	1087.5	1000	13	

# DOUBLE WALL SYSTEM



ADAPTATEUR FEMELLE DOUBLE ENVELOPPE NICKELÉ  
POUR SYSTÈME COAXIAL

ADAPTADOR HEMBRA DOBLE CONTENIMIENTO NIQUELADO  
PARA EL SISTEMA COAXIAL

DOPPELWANDIGER GEWINDEÜBERGANG MIT  
INNENGEWINDE FÜR KOAXIALSYSTEM - NICKEL  
LEGIERUNG

ADAPTADOR FÊMEA DE PAREDE DUPLA NIQUELADO PARA  
CONEXÕES COAXIAIS

ADATTATORE FEMMINA DOPPIA PARETE NICHELATO PER  
SISTEMA COASSIALE

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

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

BSP thread/filet BSP  
rosca BSP/BSP Gewinde  
rosca BSP/filettatura BSP

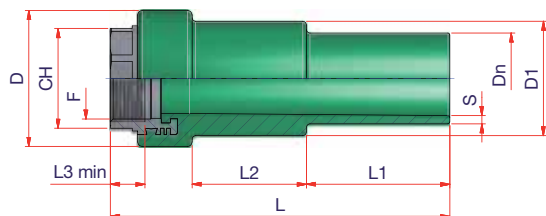


NPT thread/filet NPT  
rosca NPT/NPT Gewinde  
rosca NPT/filettatura NPT

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



## DOUBLE WALL SYSTEM



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


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

DOPPELWANDIGER GEWINDEÜBERGANG FÜR  
KOAXIALSYSTEM MIT INNENGEWINDE AUS ROSTFREIERN  
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)

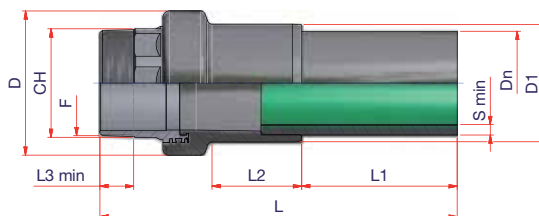
### ADAPTER FEMALE FOR COAXIAL FITTINGS STAINLESS STEEL - AISI 304 - SS (SAWFD\_SS)

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	BSP thread/filet BSP rosca BSP/BSP Gewinde rosca BSP/filettatura BSP
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	
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	 NPT thread/filet NPT rosca NPT/NPT Gewinde rosca NPT/filettatura NPT
19SAWFD50112SSNPT	50 x 1 1/2"	50	1 1/2"	63	75	4.6	187	79	63	17.3	55	
19SAWFD63112SSNPT	63 x 1 1/2"	63	1 1/2"	75	75	5.8	205	90	70	17.3	55	
19SAWFD632SSNPT	63 x 2"	63	2"	75	90	5.8	210	90	70	17.7	65	
19SAWFD903SSNPT	90 x 3"	90	3"	125	125	8.2	243	73	-	25.8	95	
19SAWFD1104SSNPT	110 x 4"	110	4"	125	153	10	342	165	92	27.8	120	

- 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 ENVELOPPE NICKELÉ POUR SYSTÈME COAXIAL

ADAPTADOR MACHO DOBLE CONTENIMIENTO NIQUELADO PARA EL SISTEMA COAXIAL

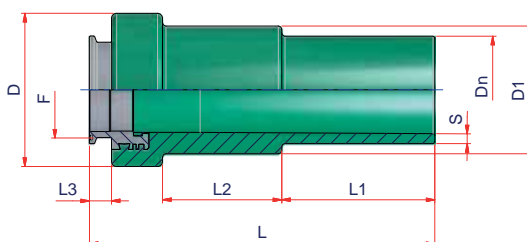
DOPPELWANDIGER GEWINDEÜBERGANG MIT AUSSERGEWINDE FÜR KOAXIALSYSTEM - NICKEL LEGIERUNG

ADAPTADOR MACHO DE PAREDE DUPLA NIQUELADO PARA CONEXÕES COAXIAIS

ADATTATORE MASCHIO DOPPIA PARETE NICHIELATO 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	



ADAPTATEUR RAPIDE DOUBLE ENVELOPPE EZ-FIT POUR SYSTÈME COAXIAL

ADAPTADOR DOBLE CONTENIMIENTO EZ-FIT PARA EL SISTEMA COAXIAL

DOPPELWANDIGER GEWINDEÜBERGANG EZ-FIT FÜR KOAXIALSYSTEM

ADAPTADOR EZ-FIT PAREDE DE DUPLA PARA CONEXÕES COAXIAIS

ADATTATORE EZ-FIT DOPPIA PARETE PER SISTEMA COASSIALE

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

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

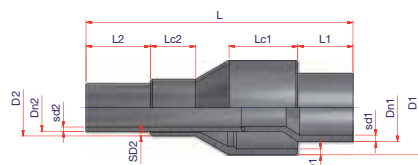
(\*) available upon request - disponible sur demande - disponibile a pedido - verfügbar auf Anfrage - disponível a pedido - disponibile su richiesta



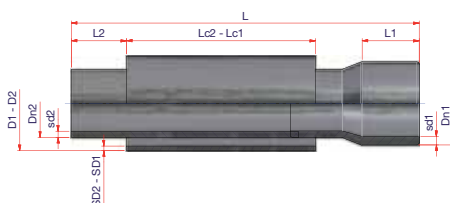
## DOUBLE WALL SYSTEM



(1)



(2)



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

REDUCCIÓN CONCENTRICA DOBLE CONTENIMIENTO (ESPIGA  
MACHO X ESPIGA MACHO)

KONZENTRISCHES REDUZIERSTÜCK FÜR DOPPELWANDIGES  
ROHRSYSTEM (STUTZEN X STUTZEN)

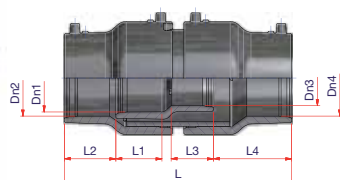
REDUÇÃO COAXIAL DE PAREDE DUPLA (MACHO SPIGOT X MACHO  
SPIGOT)

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	453	91	60	
19SRDW11090 <sup>(2)</sup>	110 x 90	110	90	125	125	10	8.2	6	6	75.4	73	460	250	250	

- couplers not included - manchons pas inclus - manguitos no incluídos - ohne Muffen - uniões nao incluídas - manicotti non inclusi



RÉDUCTION CONCENTRIQUE ELECTROSODABLE POUR DOUBLE  
ENVELOPPE

REDUCCIÓN CONCENTRICA ELECTROSOLDABLE DOBLE  
CONTENIMIENTO

ELEKTROSCHWEISSBARES KONZENTRISCHES REDUZIERSTÜCK  
FÜR DOPPELWANDIGES ROHRSYSTEM

REDUÇÃO COAXIAL DE ELETROFUSÃO DE PAREDE DUPLA

RIDUZIONE CONCENTRICA ELETROSALDABILE DOPPIA PARETE

### COAXIAL REDUCER - ELECTROFUSION (SRDWEK)

Code	ø	Dn1	Dn2	Dn3	Dn4	L1	L2	L3	L4	L	H1	H	Notes
19SRDWEK11090	110 x 90	110	125	90	125	76	85	70	129.5	376	201	187	

- couplers not included - manchons pas inclus - manguitos no incluídos - ohne Muffen - uniões nao incluídas - manicotti non inclusi

# ADBLUE / DEF / UREA SYSTEM



TUYAUTERIE SIMPLE ENVELOPPE POUR LIGNES DE REFOULEMENT (ADBLUE/UREE) - COURONNES/BARRES

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

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

TUBO DE PAREDE SIMPLES P/ 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 (T SMAUREA)

Code	ø	Package (m)	Dn	S min	S1 min	Weight kg/m	Notes
19T SMAUREA32B6	32	5x5.8	32	2.4	1	0.33	straight lengths (sticks)/barres/ barras/Stangen/barras/barre
19T SMAUREA32R75	32	75	32	2.4	1	0.33	coils/couronnes/rollos Rollen/bobinas/rotoli
19T SMAUREA50B6	50	5x5.8	50	3.7	1	0.70	straight lengths (sticks)/barres/ barras/Stangen/barras/barre
19T SMAUREA50R75	50	75	50	3.7	1	0.70	coils/couronnes/rollos Rollen/bobinas/rotoli
19T SMAUREA63B6	63	4x5.8	63	4.7	1	1.08	straight lengths (sticks)/barres/ barras/Stangen/barras/barre
19T SMAUREA63R75	63	75	63	4.7	1	1.08	coils/couronnes/rollos Rollen/bobinas/rotoli
19T SMAUREA90B6	90	2x5.8	90	6.7	1	2.04	straight lengths (sticks)/barres/ barras/Stangen/barras/barre



TUYAUTERIE DOUBLE ENVELOPPE POUR LIGNES DE REFOULEMENT (ADBLUE/UREE) - COURONNES/BARRES

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

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

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

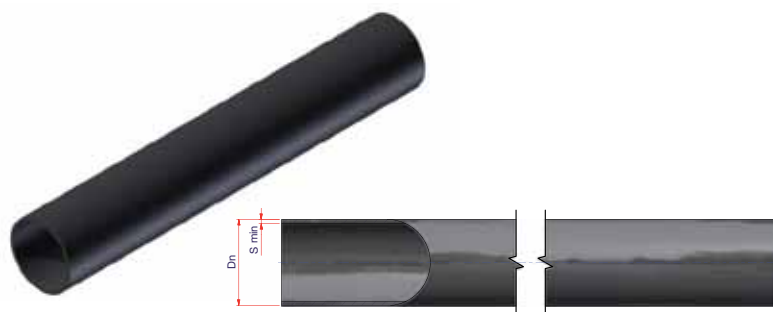
TUBO DOPPIA PARETE PER CARBURANTE (ADBLUE/UREA) - ROTOLI/ BARRE

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

Code	ø	Package (m)	Dn	D1	I	S min	S1 min	Se min	Weight kg/m	Notes
19T SMADUREA3240B6	32	5x5.8	32	40	-	2.4	1	2.4	0.63	straight lengths (sticks)/barres/ barras/Stangen/barras/barre
19T SMADUREA3240R75	32	75	32	40	-	2.4	1	2.4	0.63	coils/couronnes/rollos Rollen/bobinas/rotoli
19T SMADUREA50B6	50	4x5.8	50	63	4	3.7	1	2.5	1.22	straight lengths (sticks)/barres/ barras/Stangen/barras/barre
19T SMADUREA50R75	50	75	50	63	4	3.7	1	2.5	1.22	coils/couronnes/rollos Rollen/bobinas/rotoli
19T SMADUREA63B6	63	3x5.8	63	75	3.2	4.7	1	2.9	1.78	straight lengths (sticks)/barres/ barras/Stangen/barras/barre
19T SMADUREA63R75	63	75	63	75	3.2	4.7	1	2.9	1.78	coils/couronnes/rollos Rollen/bobinas/rotoli
19T SMADUREA90B6	90	1x5.8	90	125	13.2	6.7	1	4.8	3.95	straight lengths (sticks)/barres/ barras/Stangen/barras/barre



## ADBLUE / DEF / UREA SYSTEM

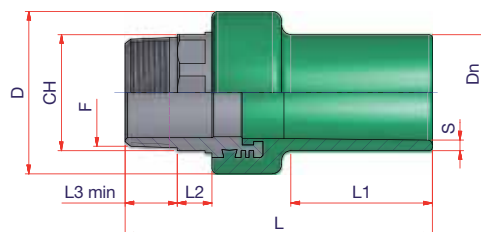


TUYAUTERIE SECONDAIRE POUR ADBLUE/UREE - BARRES  
TUBERÍA SECUNDARIA PARA ADBLUE/UREA - BARRAS  
SEKUNDÄRROHRSYSTEM FÜR ADBLUE/UREA - STANGEN  
TUBO DE CONTENÇÃO SECUNDÁRIO PARA ADBLUE/UREIA - BARRAS  
TUBO DI CONTENIMENTO SECONDARIO PER ADBLUE/UREA - BARRE

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

Code	ø	Package (m)	Dn	S min	S1 min	Weight kg/m	Notes
19TSMASUREA63B6	63	4x5.8	63	2.5	1	0.51	For 50 mm primary
19TSMASUREA75B6	75	3x5.8	75	2.9	1	0.69	For 63 mm primary
19TSMASUREA125B6	125	1x5.8	125	4.8	1	1.88	For 90 mm and 110 mm primary

# ADBLUE / DEF / UREA SYSTEM

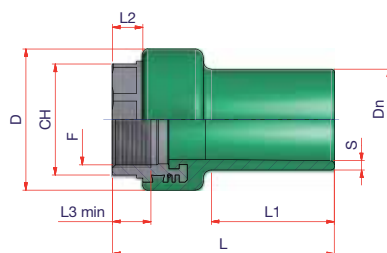


ADAPTATEUR MÂLE SIMPLE ENVELOPPE FILÉT INOX (AISI 304)  
 ADAPTADOR MACHO SIMPLE CONTENIMIENTO ROSCA INOX (AISI 304)  
 EINWANDIGER GEWINDEÜBERGANG MIT AUSSERGEWINDE AUS ROSTFREIERN STAHL (AISI 304)  
 ADAPTADOR MACHO DE PAREDE SIMPLES, ROSCA INOX (AISI 304)  
 ADATTATORE MASCHIO SINGOLA PARETE CON INSERTO INOX (AISI 304)

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

Code	ø	Dn	F	S	D	L	L1	L2	L3min	CH	Notes
19SAM50112SS•	50 x 1 1/2"	50	1 1/2"	4.6	70	133	62	14	19.1	50	
19SAM632SS•	63 x 2"	63	2"	5.8	83	147	69	18	23.4	60	BSP thread/filet BSP roscas BSP/Gewinde BSP roscas BSP/filettatura BSP
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 ainda com rosca NPT - per applicazioni speciali (Adblue) / disponibili anche con filettatura NPT



ADAPTATEUR FEMELLE SIMPLE ENVELOPPE FILÉT INOX (AISI 304)  
 ADAPTADOR HEMBRA SIMPLE CONTENIMIENTO ROSCA INOX (AISI 304)  
 EINWANDIGER GEWINDEÜBERGANG MIT INNENGEWINDE AUS ROSTFREIERN 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)

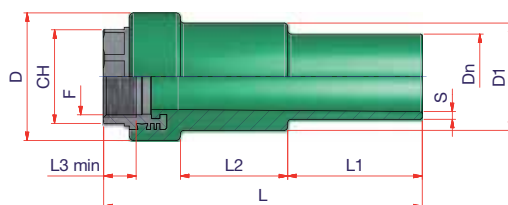
Code	ø	Dn	F	S	D	L	L1	L2	L3min	CH	Notes
19SAF50112SS•	50 x 1 1/2"	50	1 1/2"	4.6	70	110	62	15	19	55	
19SAF502SS•(*)	50 x 2"	50	2"	4.6	84	115	62	20	23.7	65	BSP thread/filet BSP roscas BSP/Gewinde BSP roscas BSP/filettatura BSP
19SAF63112SS•(*)	63 x 1 1/2"	63	1 1/2"	5.8	71	118	69	15	19	55	
19SAF632SS•	63 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	

- 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 ainda com rosca NPT - per applicazioni speciali (Adblue) / disponibili anche con filettatura NPT

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



## ADBLUE / DEF / UREA SYSTEM



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

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

DOPPELWANDIGER GEWINDEÜBERGANG FÜR KOAXIALSYSTEM MIT INNENGEWINDE AUS ROSTFREIERN STAHL (AISI 304)

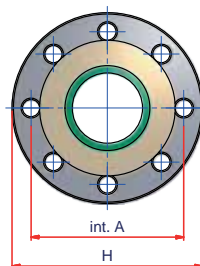
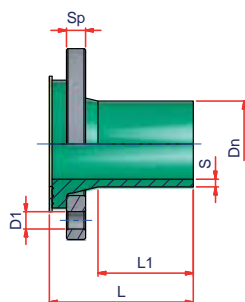
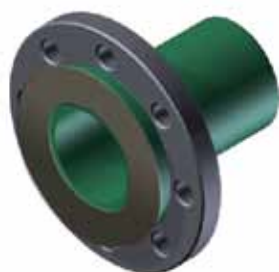
ADAPTADOR FÊMEA DE PAREDE DUPLA PARA CONEXÕES COAXIAIS ROSCA INOX (AISI 304)

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

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

Code	ø	Dn	F	D1	D	S	L	L1	L2	L3 min	CH	Notes
19SAWFD50112SS	50 x 1½"	50	1 ½"	63	75	4.6	187	79	63	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	95	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)



KIT BRIDE - INOX (AISI 304)

KIT BRIDA - INOX (AISI 304)

VORSCHWEISSBUND - ROSTFREIER STAHL (AISI 304)

PORTA-FLANGE, KIT - INOX (AISI 304)

KIT FLANGIA - INOX (AISI 304)

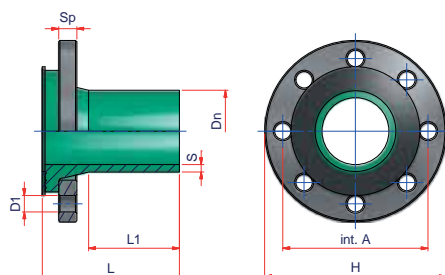
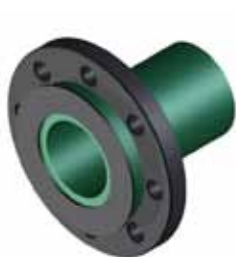
### LOOSE FLANGE - KIT AISI 304 - SS - VITON (SFLAK-SSV)

Code	ø	Dn	S	L	L1	H	Int. A	D1	Sp	Holes (no.)	Notes
19SFLAK32SSV	32	32	3	81	45	115	85	14	10	4	
19SFLAK50SSV	50	50	4.6	95	67	150	110	18	12	4	UNI-DIN flange bride UNI-DIN brida UNI-DIN UNI-DIN Flansch flange UNI-DIN flangia UNI-DIN
19SFLAK63SSV	63	63	5.8	114	75	165	125	18	12	4	
19SFLAK90SSV	90	90	8.2	148	100	200	160	18	13	8	
19SFLAK110SSV	110	110	10	147	99	220	180	18	13	8	

- bolts, nuts and washers not included - boulons, écrous et plaquettes pas compris - pernos, arandelas y tuercas no incluidos - ohne Bolzen, Mutter und Scheiben  
- parafusos, porcas e bolachas nao incluidos - dadi, bulloni e rondelle non inclusi



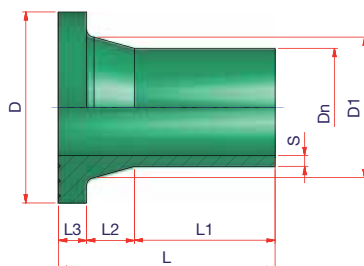
# ADBLUE / DEF / UREA SYSTEM



KIT BRIDE - BRIDE EN ACIER RECOUVERTE DE PP  
 KIT BRIDA - BRIDA DE ACERO CUBIERTA DE PP  
 VORSCHWEISSBUND - FLANSCH AUS STAHL ÜBERZIEHT MIT PP  
 PORTA-FLANGE, KIT - FLANGE DE AÇO COBERTA DE PP  
 KIT FLANGIA - FLANGIA IN ACCIAIO RICOPERTA IN PP

## LOOSE FLANGE - STEEL FLANGE COVERED WITH PP (SFLAK\_PP)

Code	ø	Dn	S	L	L1	H	Int. A	D1	Sp	Holes (no.)	Notes
19SFLAK32PP	32	32	3	81	45	115	85	14	17	4	
19SFLAK50PP	50	50	4.6	95	67	150	110	18	19	4	
19SFLAK63PP	63	63	5.8	114	75	165	125	18	20	4	
19SFLAK90PP	90	90	8.2	148	100	200	160	18	21	8	
19SFLAK110PP	110	110	10	147	99	220	180	18	22	8	



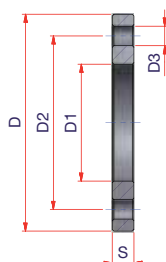
PIÈCES DE RECHANGE - COLLET  
 REPUESTOS - CASQUILLO  
 ERSATZTEILE - STUBFEN  
 PEÇAS DE REPOSIÇÃO - MANGA  
 PARTI DI RICAMBIO - CARTELLA

## 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	
19SCART50	50	50	61	88	4.6	96	67	18	12	
19SCART63	63	63	75	102	4.8	114	75	25	14	
19SCART90	90	90	105	138	8.2	150	100	33	17	
19SCART110	110	110	125	158	10	149	99	33	18	



## ADBLUE / DEF / UREA SYSTEM

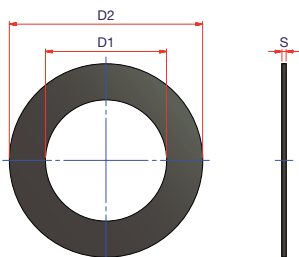


PIÈCES DE RECHANGE - BRIDE  
REPUESTOS - BRIDA  
ERSATZTEILE - FLANSHE  
PEÇAS DE REPOSIÇÃO - FLANGE  
PARTI DI RICAMBIO - FLANGIA

### LOOSE FLANGE - SPARE PARTS - FLANGE AISI 304 – SS (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	(AISI 304 - SS/INOX AISI 304/ rostfreiern Stahl AISI 304)
19SFLA50SS	50	16	50	40	150	12	62	110	18	4	M16	UNI-DIN flange bride UNI-DIN brida UNI-DIN UNI-DIN Flansch flange UNI-DIN flangia UNI-DIN
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	(AISI 304 - SS/INOX AISI 304/ rostfreiern Stahl AISI 304)

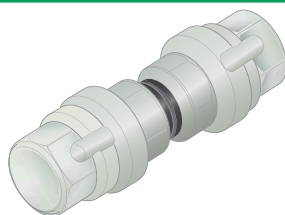
- for ADBLUE/DEF/UREA system, you can also use item 00FLAACPP (see page 30) - pour le système ADBLUE /UREE, vous pouvez également utiliser l'article 00FLAACPP (voir page 30) - para el sistema de ADBLUE/UREA, también puede utilizar el artículo 00FLAACPP (ver página 30) - für System ADBLUE/UREA, können Sie auch Artikel 00FLAACPP benutzen (Seite 30) - para o sistema de ADBLUE /UREIA, você também pode usar 00FLAACPP (ver página 30) - per il sistema ADBLUE/UREA, è possibile utilizzare anche l'articolo 00FLAACPP (vedi pagina 30)



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

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

Code	ø	D1	D2	S	Notes
39SGUAV32	32	30	71	3	
39SGUAV50	50	45	92	3	
39SGUAV63	63	60	107	3	
39SGUAV90	90	89	142	3	
39SGUAV110	110	110	162	3	

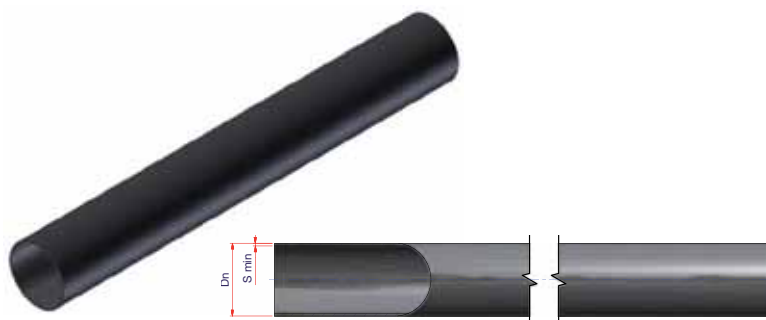


VALVE DE COUPE  
VÁLVULA DE CORTE  
EINSCHNITTANSCHLUSS  
VÁLVULA DE CORTE  
VALVOLA A ROTTURA PRESTABILITA

### SHEAR VALVE (SHVU1BSP)

Code	Notes
19SHVU1BSP	

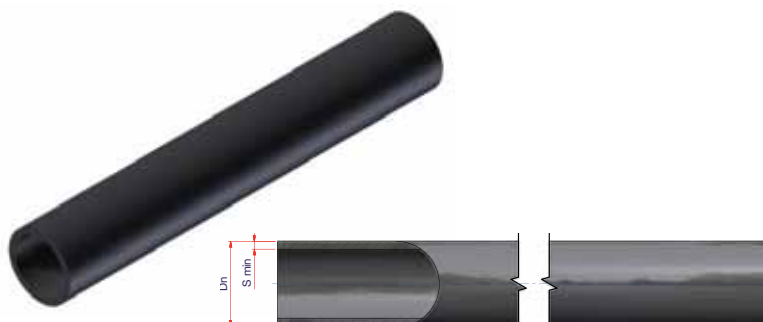
## SECONDARY SYSTEM



TUYAUTERIE SECONDAIRE CONFORME IP ET KIWA - BARRES  
 TUBERÍA SECUNDARIA EN CONFORMIDAD CON IP Y KIWA - BARRAS  
 SEKUNDÄRROHRSYSTEM - MIT ZERTIFIKAT IP UND KIWA - STANGEN  
 TUBO DE CONTENÇÃO SECUNDÁRIO CONFORME 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	0.51	For 50 mm primary
19TSMAS75B6	75	3x5.8	75	2.9	0.69	For 63 mm primary
19TSMAS125B6	125	1x5.8	125	4.8	1.88	For 90 mm and 110 mm primary
19TSMAS225B6	225	2x5.8	225	8.6	5.92	For 160 mm primary



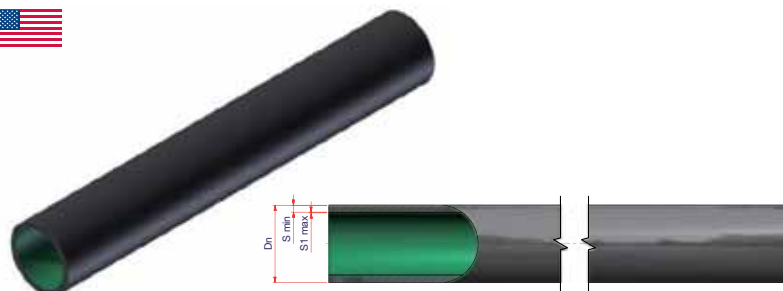
TUYAUTERIE SECONDAIRE CONFORME EN 14125 - BARRES  
 TUBERÍA SECUNDARIA EN CONFORMIDAD CON EN 14125 - BARRAS  
 SEKUNDÄRROHRSYSTEM - MIT ZERTIFIKAT EN 14125 - STANGEN  
 TUBO DE CONTENÇÃO SECUNDÁRIO CONFORME EN 14125 - BARRAS  
 TUBO DI CONTENIMENTO SECONDARIO IN CONFORMITÀ ALLA NORMA EN 14125 - BARRE

### 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	0.51	For 50 mm primary
19TSMAS75B6	75	3x5.8	75	2.9	0.69	For 90 mm and 110 mm primary
19TSMAS125B6	125	1x5.8	125	4.8	1.88	For 90 mm and 110 mm primary
19TSMAS225B6	225	1x5.8	225	-	-	For 160 mm and 110 mm primary



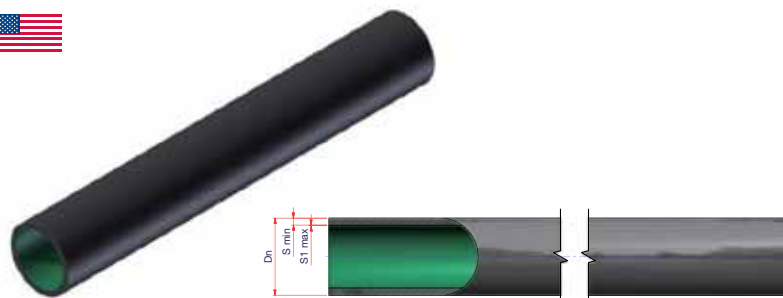
## SECONDARY SYSTEM



TUYAUTERIE SECONDAIRE CONFORME UL 971 - BARRES  
TUBERÍA SECUNDARIA EN CONFORMIDAD CON UL 971 - BARRAS  
SEKUNDÄRROHRSYSTEM - MIT ZERTIFIKAT UL 971 - STANGEN  
TUBO DE CONTENÇÃO SECUNDÁRIO CONFORME 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 50 mm primary
19TSMAXS75B6	75	3x5.8	75	2.9	0.5	0.85	For 63 mm primary
19TSMAXS125B6	125	1x5.8	125	4.8	0.5	2.17	For 90 and 110 mm primary



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

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

Code	ø	Package (m)	Dn	S min	S1 max	Weight kg/m	Notes
19TSMAUXS63B6	63	4x5.8	63	2.5	0.5	0.64	For 50 mm primary
19TSMAUXS75B6	75	3x5.8	75	2.9	0.5	0.85	For 63 mm primary
19TSMAUXS125B6	125	1x5.8	125	4.8	0.5	2.17	For 90 and 110 mm primary

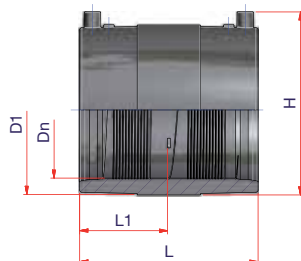


TUYAUTERIE SECONDAIRE POUR ADBLUE/UREE - BARRES  
TUBERÍA SECUNDARIA PARA ADBLUE/UREA - BARRAS  
SEKUNDÄRROHRSYSTEM FÜR ADBLUE/UREA - STANGEN  
TUBO DE CONTENÇÃO SECUNDÁRIO PARA ADBLUE/UREIA - BARRAS  
TUBO DI CONTENIMENTO SECONDARIO PER ADBLUE/UREA - BARRE

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

Code	ø	Package (m)	Dn	S min	S1 min	Weight kg/m	Notes
19TSMASUREA63B6	63	4x5.8	63	2.5	1	0.51	For 50 mm primary
19TSMASUREA75B6	75	3x5.8	75	2.9	1	0.69	For 63 mm primary
19TSMASUREA125B6	125	1x5.8	125	4.8	1	1.88	For 90 mm and 110 mm primary

# SECONDARY SYSTEM



MANCHON POUR TUYAU SECONDAIRE ELECTROSOUDABLE  
MANGUITO PARA TUBERÍA SECUNDARIA ELECTROSOLDABLE  
ELEKTROSCWEISSBARE MUFFE FÜR SEKUNDÄRROHRSYSTEM  
UNIÃO P/ TUBO DE CONTENÇÃO SECUNDÁRIO DE ELETROFUSÃO  
MANICOTTO PER TUBO SECONDARIO ELETROSALDABILE

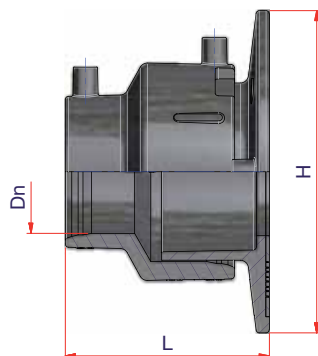
## SECONDARY CONTAINMENT STRAIGHT CONNECTOR / COUPLING - ELECTROFUSION (SMES)

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 - disponible a pedido - verfügbar auf Anfrage - disponível a pedido - disponibile su richiesta



## ENTRY BOOTS/PENETRATION FITTINGS



PRESSE-ÉTOUPE ELECTROSOUDABLE POUR  
SYSTÈME SE/DE

PASA MUROS ELECTROSOLDABLES PARA SISTEMA SP/DP

ELEKTROSCHWEISSBARE ROHRDURCHFÜHRUNG FÜR  
EINW- UND DOPPELWANDIGES ROHRSYSTEM

BOOT DE ELETROFUSÃO PARA SISTEMA DE PS/PD

PREMI-STOPPA ELETTRISALDABILE PER SISTEMA SP/DP

### HDPE 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 se- condaire Ø125mm/para tubo DP con secundario Ø125mm/für DW Rohr mit Sekundärrohr Ø125mm/para tubo de PD con secundario 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 - usar o SEBECOMT para la instalação correta - utilizzare il SEBECOMT per installare correttamente



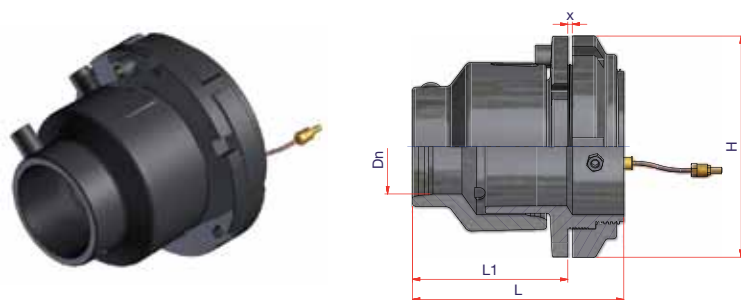
OUTIL DE COMPRESSION POUR PRESSE-ÉTOUPES ELECTROSOUDABLES  
DISPOSITIVO DE COMPRESIÓN PARA PASA MUROS ELECTROSOLDABLES  
ANBAUSATZ FÜR ELEKTROSCHWEISSBARE ROHRDURCHFÜHRUNG  
FERRAMENTAS DE INSTALAÇÃO P/ BOOT DE ELETROFUSÃO  
UTENSILE DI COMPRESSIONE PER PREMI-STOPPA ELETTRISALDABILI

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

Code	Notes
19SEBECOMT	



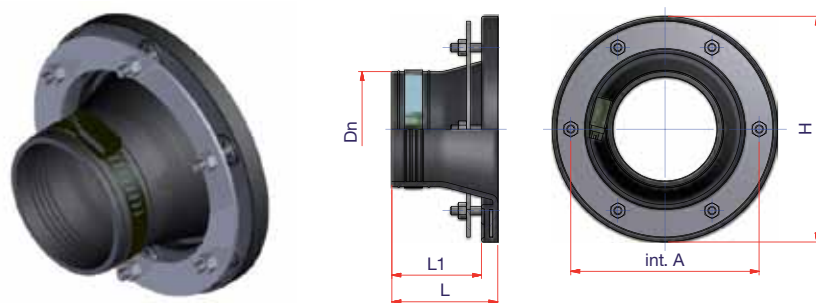
# ENTRY BOOTS/PENETRATION FITTINGS



PRESSE-ÉTOUPE MECANIQUE ELECTROSOUDABLE  
PASA MUROS MECÁNICO ELECTROSOLDABLE  
MECHANISCHE ELEKTROSCHWEISSBARE  
ROHRDURCHFÜHRUNG  
BOOT DE ELETROFUSÃO MECÂNICO  
PREMI-STOPPA MECCANICO ELETTRISALDABILE

## MECHANICAL ELECTROFUSION ENTRY BOOT (SEBEP)

Code	ø	Dn	L1	L	X	H	Notes
19SEBEP63	63	63	116	146	5 ÷ 15	150	
19SEBEP75	75	75	132	162	5 ÷ 15	150	
19SEBEP90	90	90	228	266	5 ÷ 15	210	
19SEBEP110	110	110	232	270	5 ÷ 15	210	
19SEBEP125	125	125	235	273	5 ÷ 15	210	



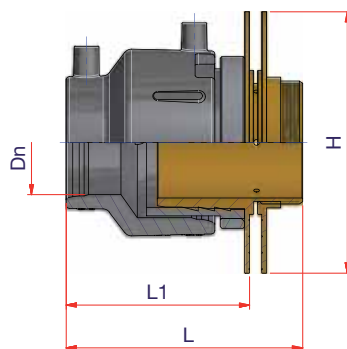
PRESSE-ÉTOUPE POUR SYSTÈME SE/DE  
PASA-MUROS PARA SISTEMA SP/DP  
ROHRDURCHFÜHRUNG FÜR EINW- UND DOPPELWANDIGES  
ROHRSYSTEM  
BOOT EM BORRACHA PARA SISTEMA DE PS/PD  
PREMI-STOPPA PER SISTEMA SP/DP

## 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 Sekundärrohr Ø125mm/para tubo de PD com sec. Ø125mm/per tubo DP con sec. Ø125mm



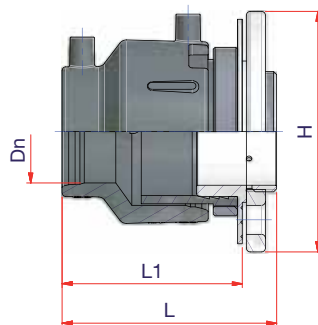
## ENTRY BOOTS/PENETRATION FITTINGS



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 - FLANSCH AUS MESSING  
 BOOT PARA SUMP 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	ref. 19SEB32
19SEBEFM40	40	40	141	173	125	ref. 19SEB40
19SEBEFM50	50	50	168	200.5	160	ref. 19SEB50
19SEBEFM63	63	63	112.3	144.8	160	ref. 19SEB63
19SEBEFM75	75	75	128	161	160	ref. 19SEB75
19SEBEFM90	90	90	196.5	221	220	ref. 19SEB90
19SEBEFM110	110	110	204	236	220	ref. 19SEB110
19SEBEFM125	125	125	198	229.5	220	ref. 19SEB125

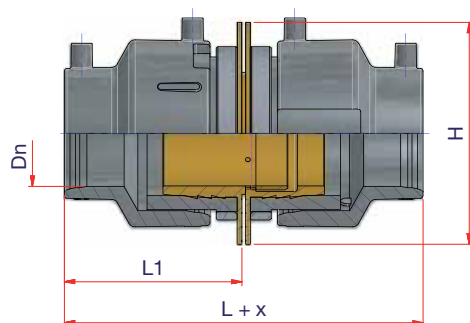


PPRESSE-ÉTOUPE POUR CHAMBRE D'ACCES EN FIBRE DE VERRE SIMPLE ENVELOPPE - BRIDE DE ALUMINIUM  
 PASAMUROS PARA ARQUETAS DE FIBRA DE VIDRIO SIMPLE PARED - BRIDA DE ALUMINIO  
 ROHRDURCHFÜHRUNG FÜR EINWANDIGE GFK-SCHÄCHTE - FLANSCH AUS ALUMINIUM  
 BOOT PARA SUMP EM FIBRA DE VIDRO PAREDE SIMPLE - FLANGE DE ALUMINIO  
 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	ref. 19SEB32
19SEBEFM40A	40	40	141.5	163	120	ref. 19SEB40
19SEBEFM50A	50	50	168	200.5	160	ref. 19SEB50
19SEBEFM63A	63	63	112.3	133.8	150	ref. 19SEB63
19SEBEFM75A	75	75	128	149	150	ref. 19SEB75
19SEBEFM90A	90	90	196.5	221	220	ref. 19SEB90
19SEBEFM110A	110	110	196.5	226	220	ref. 19SEB110
19SEBEFM125A	125	125	198	222.5	220	ref. 19SEB125

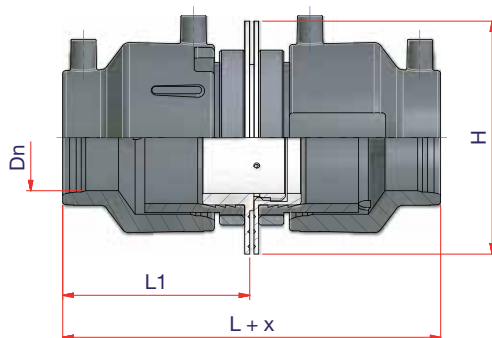
# ENTRY BOOTS/PENETRATION FITTINGS



PRESSE-ÉTOUPE POUR CHAMBRE D'ACCES EN FIBRE DE VERRE DOUBLE ENVELOPPE - BRIDE DE LAITON  
PASAMUROS PARA ARQUETAS DE FIBRA DE VIDRIO DOBLE PARED - BRIDA DE LATÓN  
ROHRDURCHFÜHRUNG FÜR DOPPELWANDIGE GFK-SCHÄCHTE - FLANSCH AUS MESSING  
BOOT PARA SUMP 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	ref. 19SEB32
19SEBEF40	40	40	141.5	285,5 + x	120	ref. 19SEB40
19SEBEF50	50	50	168	338.5 + x	160	ref. 19SEB50
19SEBEF63	63	63	112.5	227 + x	160	ref. 19SEB63
19SEBEF75	75	75	127.5	285 + x	160	ref. 19SEB75
19SEBEF90	90	90	196	395 + x	200	ref. 19SEB90
19SEBEF110	110	110	201	405 + x	200	ref. 19SEB110
19SEBEF125	125	125	198	398 + x	200	ref. 19SEB125



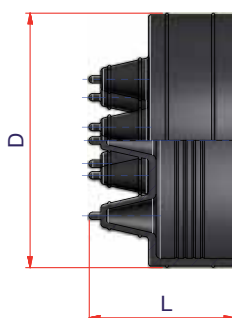
PRESSE-ÉTOUPE POUR CHAMBRE D'ACCES EN FIBRE DE VERRE DOUBLE ENVELOPPE - BRIDE DE ALUMINIUM  
PASAMUROS PARA ARQUETAS DE FIBRA DE VIDRIO DOBLE PARED - BRIDA DE ALUMINIO  
ROHRDURCHFÜHRUNG FÜR DOPPELWANDIGE GFK-SCHÄCHTE - FLANSCH AUS ALUMINIUM  
BOOT PARA SUMP EM FIBRA DE VIDRO DE PAREDE DUPLA - FLANGE DE ALUMINIO  
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	ref. 19SEB32
19SEBEF40A	40	40	141.5	285,5 + x	120	ref. 19SEB40
19SEBEF50A	50	50	168	338.5 + x	160	ref. 19SEB50
19SEBEF63A	63	63	112.5	227 + x	160	ref. 19SEB63
19SEBEF75A	75	75	127.5	285 + x	160	ref. 19SEB75
19SEBEF90A	90	90	196	395 + x	200	ref. 19SEB90
19SEBEF110A	110	110	201	405 + x	200	ref. 19SEB110
19SEBEF125A	125	125	198	398 + x	200	ref. 19SEB125



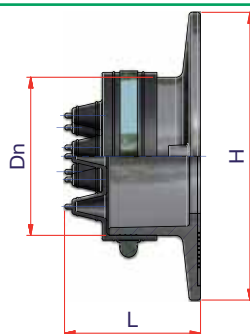
## ENTRY BOOTS/PENETRATION FITTINGS



PRESSE-ÉTOUPE POUR CABLES  
PASA-MUROS PARA CABLES  
ROHRDURCHFÜHRUNG FÜR KABEL  
BOOT PARA CABOS  
PREMISTOPPA PER IL PASSAGGIO DI CAVI

### RUBBER ENTRY BOOT CABLE CAP (SCCAB)

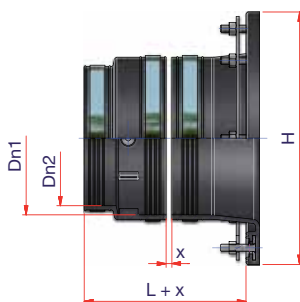
Code	ø	D	L	Notes
19SCCAB110	110	118	67.5	



PRESSE-ÉTOUPE ELECTROSODABLE POUR CABLES  
PASA-MUROS ELECTROSOLDABLE PARA CABLES  
ELEKTROSCHWEISSBARE ROHRDURCHFÜHRUNG FÜR KABEL  
BOOT DE ELETROFUSÃO PARA CABOS  
PREMISTOPPA ELETROSALDABILE PER IL PASSAGGIO DI CAVI

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

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

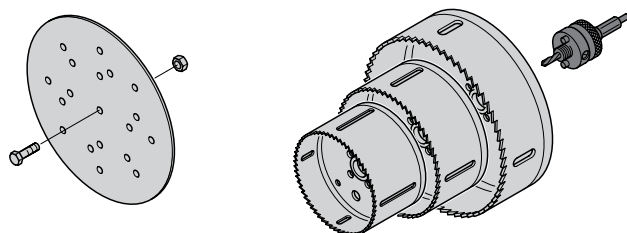


PRESSE-ÉTOUPE/TERMINAL POUR TUYAU SECONDAIRE  
PASA MUROS / TERMINAL PARA TUBERÍA SECUNDARIA  
ROHRDURCHFÜHRUNG ENDANSCHLUSS FÜR SEKUNDARROHR  
CONEXÃO TERMINAL PARA TUBO SECUNDÁRIO  
KIT PREMI-STOPPA / TERMINALE PER TUBO SECONDARIO

### SECONDARY CONTAINMENT TERMINATION FITTING (SCUFV)

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

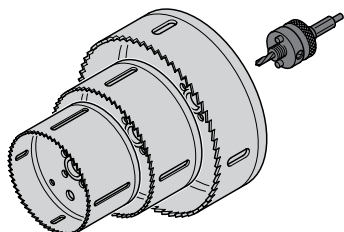
# ENTRY BOOTS/PENETRATION FITTINGS



KIT POUR L'INSTALLATION DE PRESSE-ÉTOUPES ART. SEB  
KIT PARA LA INSTALACIÓN DE PASA-MUROS ART. SEB  
ANBAUSATZ FÜR ROHRDURCHFÜHRUNGEN ART. SEB  
KIT DE INSTALAÇÃO DE BOOTS ART. SEB  
KIT PER L'INSTALLAZIONE DI PREMI-STOPPA ART. SEB

## INSTALLATION KIT FOR ENTRY BOOTS MODEL SEB (SSET4)

Code	Ø	Notes
<b>19SSET4</b>	<b>25 - 125</b>	
<p>The kit includes:</p> <ul style="list-style-type: none"> <li>- nr. 1 template (STEM)</li> <li>- nr. 1 mandrel (SMAN)</li> <li>- nr. 3 hole saws (STAZ70, STAZ98, STAZ140)</li> </ul> <p>Le kit comprend:</p> <ul style="list-style-type: none"> <li>- nr. 1 gabarito de perforation (STEM)</li> <li>- nr. 1 mandrin (SMAN)</li> <li>- nr. 3 scies cloche (STAZ70, STAZ98, STAZ140)</li> </ul> <p>El kit incluye:</p> <ul style="list-style-type: none"> <li>- nr. 1 galibo de perforar (STEM)</li> <li>- nr. 1 mandril (SMAN)</li> <li>- nr. 3 sierras circ. (STAZ70, STAZ98, STAZ140)</li> </ul>		
		<p>Der Anbausatz besteht aus:</p> <ul style="list-style-type: none"> <li>- 1 Bohrschablone, (STEM)</li> <li>- 1 Dorn (SMAN)</li> <li>- 3 Lochkreissäge, (STAZ70, STAZ98, STAZ140)</li> </ul> <p>O kit contém:</p> <ul style="list-style-type: none"> <li>- nr. 1 gabarito de perfuração (STEM)</li> <li>- nr. 1 mandril (SMAN)</li> <li>- nr. 3 serras copo (STAZ70, STAZ98, STAZ140)</li> </ul> <p>Il kit comprende:</p> <ul style="list-style-type: none"> <li>- nr. 1 dima di foratura (STEM)</li> <li>- nr. 1 mandrino (SMAN)</li> <li>- nr. 3 frese a tazza (STAZ70, STAZ98, STAZ140)</li> </ul>



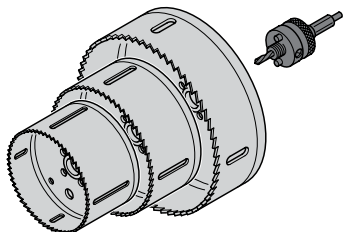
KIT POUR L'INSTALLATION DE PRESSE-ÉTOUPES ART. SEBE  
KIT PARA LA INSTALACIÓN DE PASA-MUROS ART. SEBE  
ANBAUSATZ FÜR ROHRDURCHFÜHRUNGEN ART. SEBE  
KIT DE INSTALAÇÃO DE BOOTS ART. SEBE  
KIT PER L'INSTALLAZIONE DI PREMI-STOPPA ART. SEBE

## INSTALLATION KIT FOR PENETRATION FITTINGS MODEL SEBE (SSET4A)

Code	Ø	Notes
<b>19SSET4A</b>	<b>32 - 125</b>	
<p>The kit includes:</p> <ul style="list-style-type: none"> <li>- nr. 1 mandrel (SMAN)</li> <li>- nr. 4 hole saws (STAZ44, STAZ51, STAZ79, STAZ140)</li> </ul> <p>Le kit comprend:</p> <ul style="list-style-type: none"> <li>- nr. 1 mandrin (SMAN)</li> <li>- nr. 4 scies cloche (STAZ44, STAZ51, STAZ79, STAZ140)</li> </ul> <p>El kit incluye:</p> <ul style="list-style-type: none"> <li>- nr. 1 mandril (SMAN)</li> <li>- nr. 4 sierras circ. (STAZ44, STAZ51, STAZ79, STAZ140)</li> </ul>		
		<p>Der Anbausatz besteht aus:</p> <ul style="list-style-type: none"> <li>- 1 Dorn (SMAN)</li> <li>- 4 Lochkreissäge (STAZ44, STAZ51, STAZ79, STAZ140)</li> </ul> <p>O kit contém:</p> <ul style="list-style-type: none"> <li>- nr. 1 mandril (SMAN)</li> <li>- nr. 4 serras copo (STAZ44, STAZ51, STAZ79, STAZ140)</li> </ul> <p>Il kit comprende:</p> <ul style="list-style-type: none"> <li>- nr. 1 mandrino (SMAN)</li> <li>- nr. 4 frese a tazza (STAZ44, STAZ51, STAZ79, STAZ140)</li> </ul>



## ENTRY BOOTS/PENETRATION FITTINGS



KIT POUR L'INSTALLATION DE PRESSE-ÉTOUPES ART. SEBEFM/A ET SEBEF/A

KIT PARA LA INSTALACIÓN DE PASA-MUROS ART. SEBEFM/A Y SEBEF/A

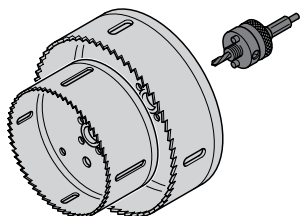
ANBAUSATZ FÜR ROHRDURCHFÜHRUNGEN ART. SEBEFM/A UND SEBEF/A

KIT DE INSTALAÇÃO DE BOOTS ART. SEBEFM/A E SEBEF/A

KIT PER L'INSTALLAZIONE DI PREMI-STOPPA ART. SEBEFM/A E SEBEF/A

### INSTALLATION KIT FOR PENETRATION FITTINGS MODELS SEBEFM, SEBEFM\_A AND SEBEF, SEBEF\_A (SSET4B)

Code	Ø	Notes
<b>19SSET4B</b>	<b>32 - 125</b>	
The kit includes: - nr. 1 mandrel (SMAN) - nr. 3 hole saws (STAZ57, STAZ89, STAZ152)		Der Anbausatz besteht aus: - 1 Dorn (SMAN) - 3 Lochkreissäge (STAZ57, STAZ89, STAZ152)
Le kit comprend: - nr. 1 mandrin (SMAN) - nr. 3 scies cloche (STAZ57, STAZ89, STAZ152)		O kit contém: - nr. 1 mandril (SMAN) - nr. 3 serras copo (STAZ57, STAZ89, STAZ152)
El kit incluye: - nr. 1 mandril (SMAN) - nr. 3 sierras circ. (STAZ57, STAZ89, STAZ152)		Il kit comprende: - nr. 1 mandrino (SMAN) - nr. 3 frese a tazza (STAZ57, STAZ89, STAZ152)



KIT POUR L'INSTALLATION DU PRESSE-ÉTOUPE SEBEP

KIT PARA LA INSTALACIÓN DE PASA-MUROS ART. SEBEP

ANBAUSATZ FÜR ROHRDURCHFÜHRUNG ART. SEBEP

KIT DE INSTALAÇÃO DE BOOT ART. SEBEP

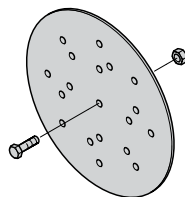
KIT PER L'INSTALLAZIONE DEL PREMI-STOPPA ART. SEBEP

### INSTALLATION KIT FOR PENETRATION FITTING MODEL SEBEP (SSET4C)

Code	Ø	Notes
<b>19SSET4C</b>	<b>63-125</b>	
The kit includes: - nr. 1 mandrel (SMAN) - nr. 2 hole saws (STAZ111, STAZ152)		Der Anbausatz besteht aus: - 1 Dorn (SMAN) - 2 Lochkreissäge (STAZ111, STAZ152)
Le kit comprend: - nr. 1 mandrin (SMAN) - nr. 2 scies cloche (STAZ111, STAZ152)		O kit contém: - nr. 1 mandril (SMAN) - nr. 2 serras copo (STAZ111, STAZ152)
El kit incluye: - nr. 1 mandril (SMAN) - nr. 2 sierras circ. (STAZ111, STAZ152)		Il kit comprende: - nr. 1 mandrino (SMAN) - nr. 2 frese a tazza (STAZ111, STAZ152)



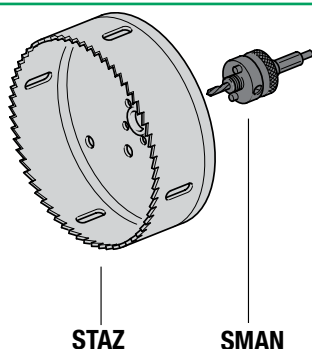
# ENTRY BOOTS/PENETRATION FITTINGS



GABARIT DE PERFORATION POUR PRESSE-ÉTOUPE  
GALIBO DE PERFORAR PARA PASA-MUROS  
BOHRSCABLONE FÜR ROHRDURCHFÜHRUNG  
GABARITO DE PERFURAÇÃO PARA BOOT  
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



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

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

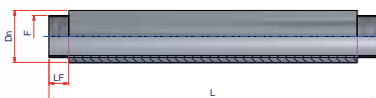
Code	Ø	Notes
19STAZ44	44	for/pour/para/für/para/per SEBE Ø 32,40
19STAZ51	51	for/pour/para/für/para/per SEBE Ø 50
19STAZ57	57	for/pour/para/für/para/per SEBEFM/A, SEBEF/A Ø 32,40
19STAZ70	70	for/pour/para/für/para/per SEB Ø 25, 32, 40
19STAZ79	79	for/pour/para/für/para/per SEBE Ø 63, 75
19STAZ89	89	for/pour/para/für/para/per SEBEFM/A, SEBEF/A Ø 50, 63, 75
19STAZ98	98	for/pour/para/für/para/per SEB Ø 50, 63, 75, 90
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
19SMAN	-	



# ENTRY BOOTS/PENETRATION FITTINGS

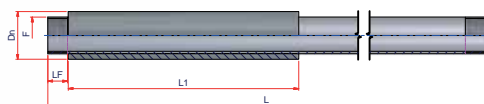


(1)



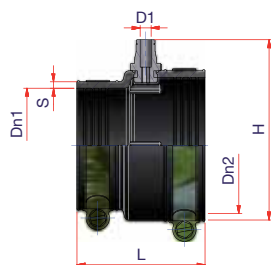
COLONNE MONTANTE EN ACIER  
ADAPTADOR MACHO ROSCADO LARGO  
ROHRVERLÄNGERUNG  
ADAPTADOR MACHO LONGO  
ADATTATORE MASCHIO LUNGO

(2)



## RISER PIPE (SASP)

Code	Dn	F	LF	L	L1	Notes
19SASP3234NPT <sup>(1)</sup>	32	¾"	25	300	-	NPT thread/filet NPT rosca NPT/NTP Gewinde rosca NPT/filettatura NPT
19SASP401NPT <sup>(1)</sup>	40	1"	25	300	-	
19SASP63112NPT <sup>(2)</sup>	63	1½"	27	663	305	
19SASP752NPT <sup>(2)</sup>	75	2"	27	663	305	
19SASP1103NPT <sup>(1)</sup>	110	3"	42	693	-	
19SASP1254NPT <sup>(1)</sup>	125	4"	35	600	-	BSP thread/filet BSP / rosca BSP/BSP Gewinde / rosca BSP/filettatura BSP
19SASP1254 <sup>(1)</sup>	125	4"	35	600	-	

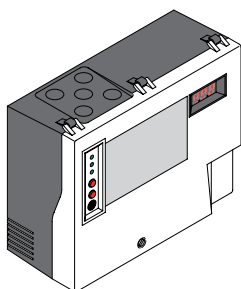


TERMINALE DE CAOUTCHOUC POUR ESSAI DE PRESSION  
RACOR TERMINAL PARA PRUEBA DE PRESIÓN  
GUMMI-ENDANSCHLUSS FÜR DRUCKTEST  
BOOT DE REDUÇÃO P/ TESTE  
TERMINALE IN GOMMA PER TEST IN PRESSIONE

## REDUCER TEST BOOT (SRTFV)

Code	ø	Dn	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	

# MONITORING SYSTEMS

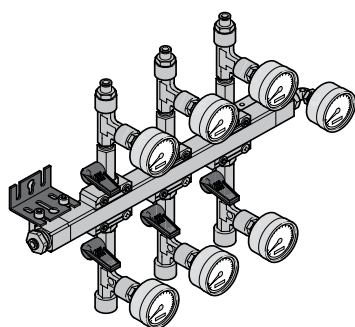


SYSTÈME DE DÉTECTION DE FUITES  
SISTEMA DE DETECCIÓN DE FUGAS  
LECKÜBERWACHUNGSSYSTEM  
SISTEMA DE MONITORAMENTO DE VAZAMENTOS  
SISTEMA DI MONITORAGGIO PERDITE

## 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



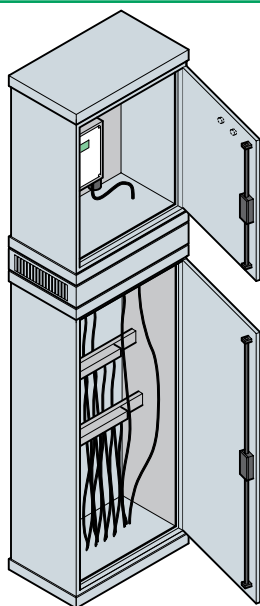
COLLECTEUR POUR SYSTÈME DE DÉTECTION DE FUITES  
COLECTOR PARA SISTEMA DE DETECCIÓN DE FUGAS  
VERTEILER FÜR LECKÜBERWACHUNGSSYSTEM  
MANIFOLD PARA SISTEMA DE MONITORAMENTO DE VAZAMENTOS  
COLLETTORE PER SISTEMA DI MONITORAGGIO PERDITE

## 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



# MONITORING SYSTEMS



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

## COMPLETE LEAK DETECTION SYSTEM

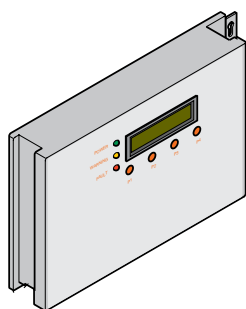
Code	Notes
19SMCSV (*) (**)	for suction systems pour systèmes par aspiration para sistemas de succión für Saughafsysteme para sistemas de sucção per impianti in aspirazione
19SMCSP (**) •	for pressure systems pour systèmes de pression para sistemas de presión für Drucksysteme para sistemas de pressão per impianti in pressione

- (\*) monitoring pressure 1 bar max - pression de monitorage 1 bar max. - presión de monitorización 1 bar máx. - max. Überwachungsdruck 1 bar - pressao de monitoramento 1 bar max. - pressione di monitoraggio 1 bar max.
- monitoring pressure 4 bar max - pression de monitorage 4 bar max. - presión de monitorización 4 bar máx. - max. Überwachungsdruck 4 bar - pressao de monitoramento 4 bar max. - pressione di monitoraggio 4 bar max.

N.B.: Different configurations available, please contact our Technical Assistance - Différentes configurations disponibles, s'il vous plaît contacter notre Assistance Technique - Diferentes configuraciones disponibles, póngase en contacto con nuestra Asistencia Técnica - Verschiedene Konfigurationen zur Verfügung, kontaktieren Sie bitte unseren Technischen Kundendienst - Diferentes configurações disponíveis, entre em contato com nossa Assistência Técnica - Disponibili in varie configurazioni, contattare l'Ufficio Tecnico

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

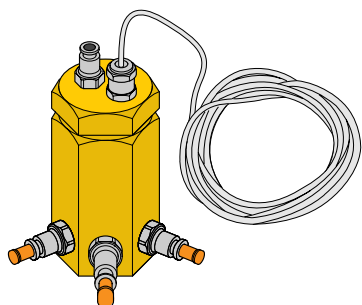
# MONITORING SYSTEMS



APPAREIL ÉLECTRONIQUE DE DÉTECTION DES FUITES  
 APARATO ELECTRÓNICO DE DETECCIÓN DE FUGAS  
 ELEKTRONISCHES LECKÜBERWACHUNGSSYSTEM  
 SISTEMA DE MONITORAMENTO DE VAZAMENTOS ELETRÔNICO  
 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 manifold – per 2 collettori
19SMSIT04	for 4 manifolds - pour 4 collecteurs para 4 colectores für 4 Verteiler para 4 manifold – per 4 collettori
19SMSIT06	for 6 manifolds - pour 6 collecteurs para 6 colectores für 6 Verteiler para 6 manifold – per 6 collettori
19SMSIT08	for 8 manifolds - pour 8 collecteurs para 8 colectores für 8 Verteiler para 8 manifold – per 8 collettori



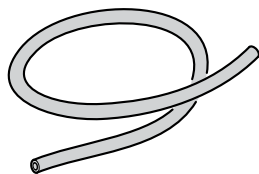
COLLECTEUR POUR SYSTÈME DE DÉTECTION DE FUITES ÉLECTRONIQUE  
 COLECTOR PARA SISTEMA DE DETECCIÓN DE FUGAS ELECTRÓNICO  
 VERTEILER FÜR ELEKTRONISCHES LECKÜBERWACHUNGSSYSTEM  
 MANIFOLD PARA SISTEMA DE MONITORAMENTO DE VAZAMENTOS ELETRÔNICO  
 COLLETTORE PER SISTEMA DI MONITORAGGIO PERDITE ELETTRONICO

## MANIFOLD FOR 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 tuberías ø 6 mm - für 6 Prüfrohre ø 6 mm para 6 tuberías ø 6 mm - per 6 tubi ø 6 mm



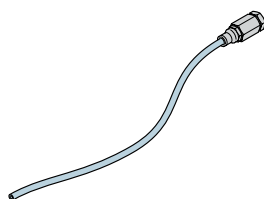
## MONITORING SYSTEMS



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

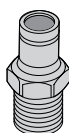
Code	Ø	Notes
19STT605	6	5 mt coil/couronne/rollo Rolle/bobina/rotolo
19STT625	6	25 mt coil/couronne/rollo Rolle/bobina/rotolo
19STT6100	6	100 mt coil/couronne/rollo Rolle/bobina/rotolo



ADAPTATEUR FEMELLE POUR ESSAI DE PRESSION  
ADAPTADOR HEMBRA PARA PRUEBA DE PRESIÓN  
PASSTÜCK 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 POUR TUBE ESSAI DE PRESSION  
VÁLVULA DE ATAQUE RÁPIDO PARA TUBO PRUEBA DE PRESIÓN  
ANSCHLUSS AN DEM PRÜFROHR FÜR DRUCKTEST  
VÁLVULA PARA TUBO DE TESTE  
VALVOLA ATTACCO RAPIDO PER TUBO PROVA IN PRESSIONE

### 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  
PRÜFANSCHLUSS FÜR STOPFEN  
TAMPA P / PORTA DE TESTE  
TAPPO PER VALVOLA DI PROVA

## TEST PORT PLUG

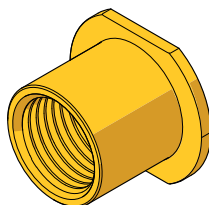
Code	Ø	Notes
19STVP6	6	



KIT ADAPTATEUR POUR PRISE DE TEST  
KIT ADAPTADOR PARA VÁLVULA DE PRUEBA  
ADAPTER FÜR PRÜFANSCHLUSS  
KIT ADAPTADOR PARA PORTA DE TESTE  
KIT ADATTATORE VALVOLA DI PROVA PER TEST IN PRESSIONE

## TEST PORT ADAPTER KIT

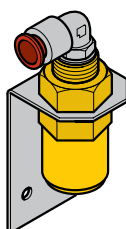
Code	Notes
19SGHKF	



RÉDUCTION 1/4" FILETÉE POUR PRISE DE TEST  
REDUCCIÓN 1/4" ROSCADA PARA VÁLVULA DE PRUEBA  
REDUZIERSTÜCK 1/4" MIT INNENGEWINDE FÜR PRÜFANSCHLUSS  
REDUÇÃO 1/4" C/ROSCA PARA PORTA DE TESTE  
RIDUTTORE FILETTATO 1/4" PER VALVOLA DI PROVA

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

Code	Notes
59IS13	



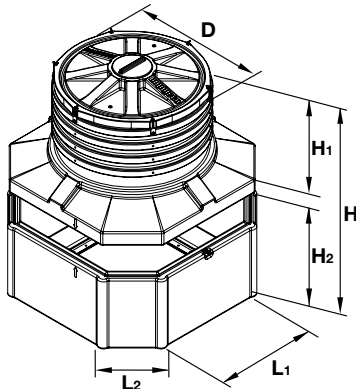
COUPE-FEU POUR TROU D'HOMME  
CORTALLAMAS PARA ARQUETA  
FEUERGESTELLE FÜR SCHÄCHTE  
CORTA-FOGO PARA SUMPS  
ROMPI-FUOCO PER POZZETTI

## FIRE-BREAK FOR SUMPS

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



# SUMPS AND ACCESSORIES



CAISSON ELECTROSOUDABLE EN DEUX PIÈCES POUR TROU D'HOMME (PEHD) OUVERT SUR LE FOND 860 MM X 860 MM

ARQUETA ELECTROSOLDABLE DE DOS PIEZAS PARA PASO DE HOMBRE (PEAD) ABIERTO EN LA PARTE INFERIOR 860 MM X 860 MM

ELEKTROSCHWEISSBARER ZWEI-STÜCK TANKSCHACHT (HDPE) MIT BODENÖFFNUNG 860 MM X 860 MM

SUMP DE TANQUE ELETROSOLDÁVEL DE DOS PEDAÇOS ABERTO EM LA PARTE INFERIOR 860 MM X 860 MM

POZZETTO ELETTRORISALDABILE IN DUE PARTI PER PASSO D'UOMO APERTO NELLA PARTE INFERIORE 860 MM X 860 MM

## ELECTROFUSION 2-PIECE TANK SUMP (HDPE) WITH BOTTOM OPENING 860 MM X 860 MM

Code	D	L <sub>1</sub>	L <sub>2</sub>	H	H <sub>1</sub>	H <sub>2</sub>	Notes
19S22TS5238KT	987	707	285	1300	760.5	496	

The kit includes:  
- 1 perforated gasket  
- 4 backing bars  
- 36 bolts  
- 6 closure studs  
- 6 clamps for lid

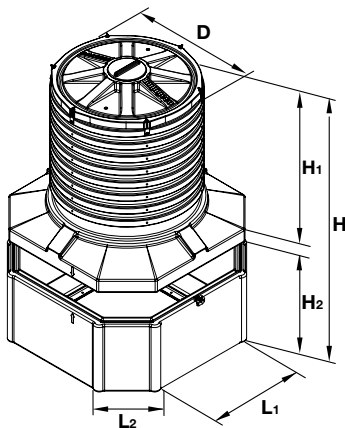
Le kit est formé par:  
- 1 joint perforée  
- 4 barres de renfort  
- 36 boulons  
- 6 vis de rétention  
- 6 brides pour couvercle

El kit está compuesto por:  
- 1 junta perforada  
- 4 barras de refuerzo  
- 36 pernos  
- 6 machos de cierre  
- 6 abrazaderas para tapa

Der Schweissatz besteht aus:  
- 1 perforierte Dichtung  
- 4 Verstärkungsstäbe  
- 36 Bolzen  
- 6 Verschlusschrauben  
- 6 Spanneisen für Deckel

O kit contém:  
- 1 junta perfurada  
- 4 barras de suporte  
- 36 parafusos  
- 6 parafusos de encerramento  
- 6 grampos para tampa

Il kit include:  
- 1 guarnizione perforata  
- 4 barre di rinforzo  
- 36 bulloni  
- 6 prigionieri con elicoide  
- 6 fissaggi per coperchio



CAISSON ELECTROSOUDABLE EN DEUX PIÈCES POUR TROU D'HOMME (PEHD) OUVERT SUR LE FOND 860 MM X 860 MM - LONG

ARQUETA ELECTROSOLDABLE DE DOS PIEZAS PARA PASO DE HOMBRE (PEAD) ABIERTO EN LA PARTE INFERIOR 860 MM X 860 MM - LARGA

ELEKTROSCHWEISSBARER ZWEI-STÜCK TANKSCHACHT (HDPE) MIT BODENÖFFNUNG 860 MM X 860 - LANG

SUMP DE TANQUE ELETROSOLDÁVEL DE DOS PEDAÇOS ABERTO EM LA PARTE INFERIOR 860 MM X 860 MM - LONGO

POZZETTO ELETTRORISALDABILE IN DUE PARTI PER PASSO D'UOMO APERTO NELLA PARTE INFERIORE 860 MM X 860 MM - ALTO

## ELECTROFUSION 2-PIECE TANK SUMP (HDPE) WITH BOTTOM OPENING 860 MM X 860 MM - LONG RISER

Code	D	L <sub>1</sub>	L <sub>2</sub>	H	H <sub>1</sub>	H <sub>2</sub>	Notes
19S22TS5238KTLR	987	707	285	1800	1260.5	496	

The kit includes:  
- 1 perforated gasket  
- 4 backing bars  
- 36 bolts  
- 6 closure studs  
- 6 clamps for lid

Le kit est formé par:  
- 1 joint perforée  
- 4 barres de renfort  
- 36 boulons  
- 6 vis de rétention  
- 6 brides pour couvercle

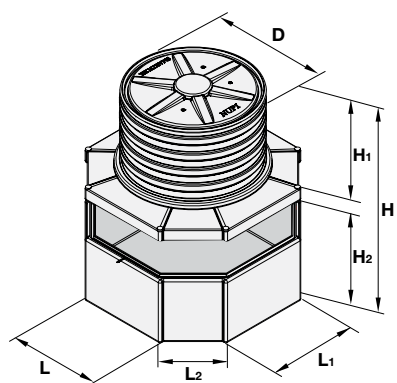
El kit está compuesto por:  
- 1 junta perforada  
- 4 barras de refuerzo  
- 36 pernos  
- 6 machos de cierre  
- 6 abrazaderas para tapa

Der Schweissatz besteht aus:  
- 1 perforierte Dichtung  
- 4 Verstärkungsstäbe  
- 36 Bolzen  
- 6 Verschlusschrauben  
- 6 Spanneisen für Deckel

O kit contém:  
- 1 junta perfurada  
- 4 barras de suporte  
- 36 parafusos  
- 6 parafusos de encerramento  
- 6 grampos para tampa

Il kit include:  
- 1 guarnizione perforata  
- 4 barre di rinforzo  
- 36 bulloni  
- 6 prigionieri con elicoide  
- 6 fissaggi per coperchio

# SUMPS AND ACCESSORIES



CAISSON ELECTROSODABLE POUR TROU D'HOMME (PEHD) - BASE POLIGONALE

ARQUETA ELECTROSOLDABLE PARA PASO DE HOMBRE (PEAD) - BASE POLIGONAL

ELEKTROSCHWEISSBARER TANKSCHACHT (HDPE) - VIELECKIGE BASIS

SUMP DE TANQUE ELETROSOLDÁVEL (PEAD) - BASE POLIGONAL

POZZETTO ELETTRISALDABILE PER PASSO D'UOMO (PEAD) - BASE POLIGONALE

## TANK SUMP (HDPE) - MULTISIDED - ELECTROFUSION

Code	D	L	L <sub>1</sub>	L <sub>2</sub>	H	H <sub>1</sub>	H <sub>2</sub>	Notes
19S22TS4536 <sup>(1)</sup>	783	1100	700	273	990	549	381	
19S22TS5238 <sup>(2)</sup>	958	1306	700	388	1284	684	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.

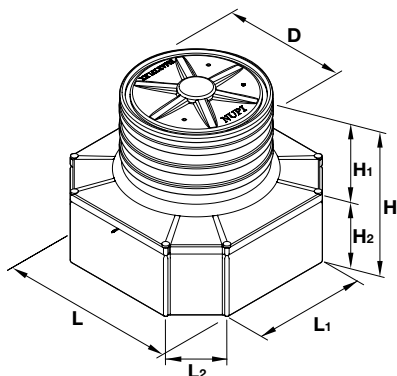
Das 19STSIK Werkzeug benutzen und die Instruktionen konsultieren für eine Korrekte Anlage

Usar o 19STSIK e leer las instrucciones para la instalación correcta

Utilizzare il 19STSIK e leggere le istruzioni di assemblaggio per una corretta installazione

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

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



CAISSON POUR TROU D'HOMME (PEHD) - BASE POLIGONALE - MONOBLOQUE

ARQUETA PARA PASO DE HOMBRE (PEAD) - BASE POLIGONAL - MONOBLOC

TANKSCHACHT (HDPE) - VIELECKIGE BASIS - KOMPAKT

SUMP DE TANQUE (PEAD) - BASE POLIGONAL - MONOBLOCO

POZZETTO PER PASSO D'UOMO (PEAD) - BASE POLIGONALE - MONOBLOCCO

## TANK SUMP (HDPE) - MULTISIDED - ONE-PIECE

Code	D	L	L <sub>1</sub>	L <sub>2</sub>	H	H <sub>1</sub>	H <sub>2</sub>	Notes
19STS4536 <sup>(1)</sup>	783	1100	700	273	990	549	381	
19STS5238 <sup>(2)</sup>	958	1306	700	388	1324	684	640	
19STS5238KT <sup>(*)</sup>	958	1306	700	388	1324	684	640	

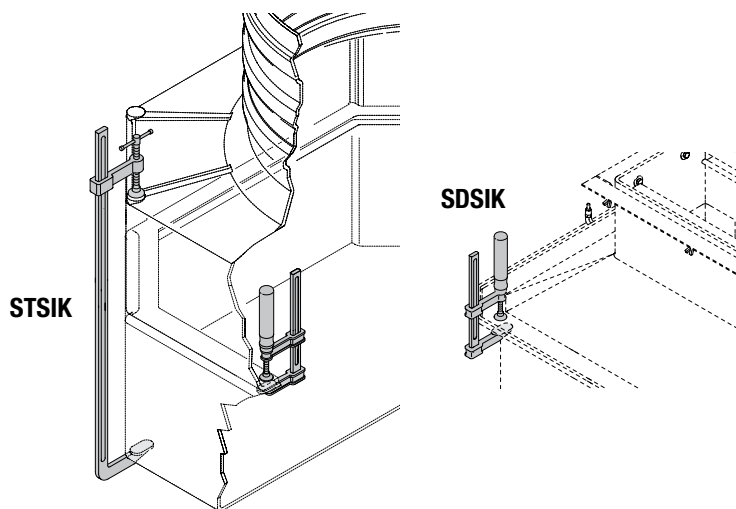
<sup>(1)</sup> Adjustable height / Hauteur réglable / Altura ajustable / Verstellbar Höhe / Altura regulável / Altezza regolabile min = 625mm max=990mm

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

<sup>(\*)</sup> Open at the base 860 mm x 860 mm + Tightness kit - Ouvert sur le fond 860 mm x 860 mm avec Kit d'étanchéité - Abierto en la parte inferior 860 mm x 860 mm con Kit de estanqueidad - Boden geöffnet 860 mm x 860 mm + Dichtheitsausrüstung - Aberto em la parte inferior 860 mm x 860 mm + kit de estanqueamento - Aperto nella parte inferiore 860 mm x 860 mm + kit tenuta stagna



## SUMPS AND ACCESSORIES



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

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

ANBAUSATZ FÜR ELEKTROSCHWEISSBARER TANKSCHACHT

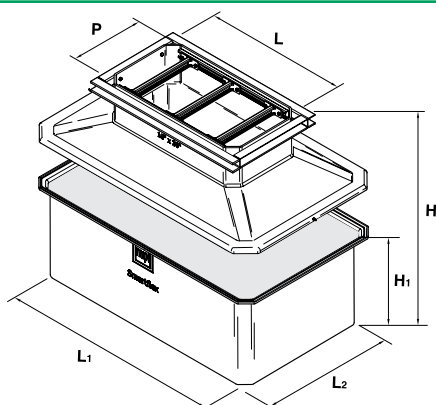
KIT DE INSTALAÇÃO PARA SUMP DE TANQUE ELETROSOLDÁVEL

KIT D'INSTALLAZIONE PER IL POZZETTO ELETROSALDABILE PER PASSO D'UOMO

### INSTALLATION KIT FOR ELECTROFUSION TANK SUMP

Code	Description	Notes
19STSIK	KIT	12 clamps/12 brides 12 abrazaderas/12 Spanneisen 12 gramos/12morsetti L=800 mm spare clamp/bride de réchange
19STSC	1 piece	abrazadera de repuesto/Zubehör Spanneise grampo de reposição/morsa di ricambio L=800 mm
19SDSIK	KIT	10 clamps/10 brides 10 abrazaderas/10 Spanneisen 10 gramos/10 morsetti L=150 mm spare clamp/bride de réchange
19SDSC	1 piece	abrazadera de repuesto/Zubehör Spanneise grampo de reposição/morsa di ricambio L=150 mm

# SUMPS AND ACCESSORIES

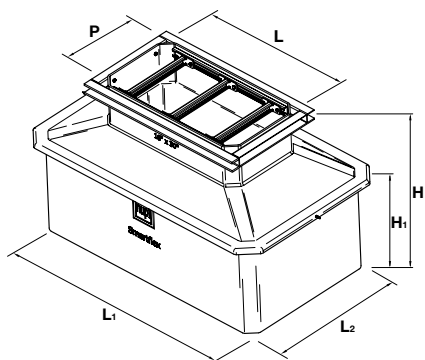


CAISSON ELECTROSODABLE POUR DISTRIBUTEUR (PEHD)  
ARQUETA ELECTROSOLDABLE PARA SURTIDOR (PEAD)  
ELEKTROSCHWEISSBARER ZAPFSÄULENSCHACHT (HDPE)  
SUMP DE BOMBA ELETROSOLDÁVEL (PEAD)  
POZZETTO ELETROSALDABILE PER DISTRIBUTORE (PEAD)

## DISPENSER SUMP (HDPE) - ELECTROFUSION

Code	P	L	L <sub>1</sub>	L <sub>2</sub>	H	H <sub>1</sub>	Notes
19S21DS2111	279	527	864	711	762	457	
19S21DS2518	444	622	864	711	762	457	
19S21DS3016	406	762	1219	711	762	457	
19S21DS4216	406	1067	1219	711	762	457	
19S21DS4620	508	1168	1219	711	762	457	

- use the SDSIK tool and refer to the assembly instructions for a correct installation
- utiliser le kit SDSIK et consulter les instructions pour une installation correcte
- utilizar el kit SDSIK y consultar las instrucciones para una instalación correcta
- das SDSIK Werkzeug benutzen und die Instruktionen konsultieren für eine Korrekte Anlage
- utilizar el kit SDSIK e consultar as instruções para uma correcta instalação
- utilizzare il kit SDSIK e consultare le istruzioni per una corretta installazione



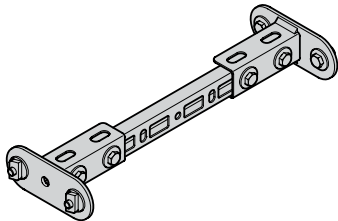
CAISSON POUR DISTRIBUTEUR (PEHD) - MONOBLOQUE  
ARQUETA PARA SURTIDOR / (PEAD) - MONOBLOQUE  
ZAPFSÄULENSCHACHT (HDPE) - KOMPAKT  
SUMP DE BOMBA (PEAD) - MONOBLOCO  
POZZETTO PER DISTRIBUTORE (PEAD) - MONOBLOCCO

## DISPENSER SUMP (HDPE) - ELECTROFUSION

Code	P	L	L <sub>1</sub>	L <sub>2</sub>	H	H <sub>1</sub>	Notes
19SDS2111	279	527	864	711	762	457	
19SDS2518	622	444	864	711	762	457	
19SDS3016	406	762	1219	711	762	457	
19SDS4216	406	1067	1219	711	762	457	
19SDS4620	508	1168	1219	711	762	457	



## SUMPS AND ACCESSORIES



BARRE STABILISATRICE CAISSON ELECTROSOUDABLE POUR DISTRIBUTEUR

BARRA ESTABILIZADORA PARA ARQUETA ELECTROSOLDABLE PARA SURTIDOR

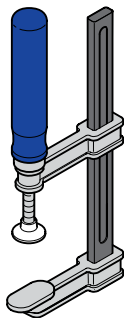
STABILISATOR FÜR ELEKTROSCHWEISSBARER ZAPFSÄULENSCHACHT

BARRA ESTABILIZADORA PARA SUMP DE BOMBA

BARRA STABILIZZATRICE PER POZZETTO ELETTRISALDABILE PER DISTRIBUTORE

### STABILIZER BAR FOR DISPENSER SUMP

Code	Notes
19SBS11	for/pour/para/für/para/per S21DS2111, SDS2111
19SBS16	for/pour/para/für/para/per S21DS3016, S21DS4216, SDS3016, SDS4216
19SBS18	for/pour/para/für/para/per S21DS2518, SDS2518



KIT POUR L'INSTALLATION DU CAISSON ELECTROSOUDABLE POUR DISTRIBUTEUR

KIT PARA LA INSTALACIÓN DE LA ARQUETA ELECTROSOLDABLE PARA SURTIDOR

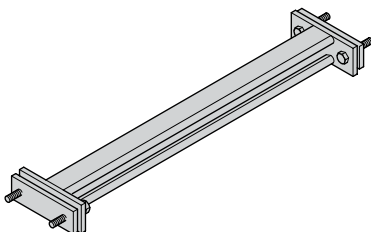
ANBAUSATZ FÜR ELEKTROSCHWEISSBARER ZAPFSÄULENSCHACHT

KIT DE FERRAMENTAS PARA INSTALAÇÃO DE SUMP DE BOMBA

KIT D'INSTALLAZIONE PER IL POZZETTO ELETTRISALDABILE 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/Zubehör Spanneise grampo de reposição/morsa di ricambio



BARRE STABILISATRICE POUR CAISSON POUR DISTRIBUTEUR

BARRA ESTABILIZADORA PARA ARQUETA PARA SURTIDOR

STABILISATOR FÜR ZAPFSÄULENSCHACHT

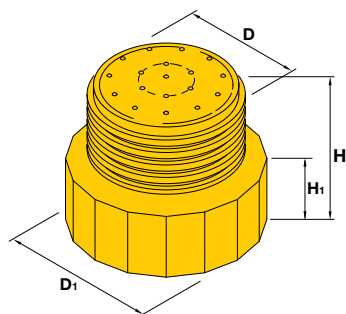
BARRA ESTABILIZADORA PARA SUMP DE BOMBA

BARRA STABILIZZATRICE PER VASCA PER DISTRIBUTORE

### ELECTROFUSION DISPENSER SUMP INSTALLATION KIT

Code	Notes
19SSB01	

# SUMPS AND ACCESSORIES



CAISSON POUR TROU D'HOMME (PEHD) - BASE POLIGONALE - CONFORME UL 971

ARQUETA PARA BOCA DE HOMBRE (PEAD) - BASE POLIGONAL - EN ACUERDO CON UL 971

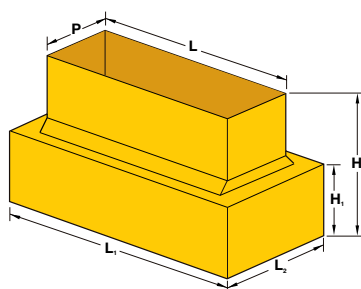
TANKSCHACHT (HDPE) - MEHRKANTIGE BASIS - MIT ZERTIFIKAT UL 971

SUMP DE TANQUE (PEAD) - BASE POLIGONALE - CONFORME UL 971

POZZETTO PER PASSO D'UOMO (PEAD) - BASE POLIGONALE - IN ACCORDO CON UL 971

## TANK SUMP (HDPE) - MULTISIDED - UL 971 LISTED

Code	D	D <sub>1</sub>	H	H <sub>1</sub>	Notes
19STS4230	838	1021	940	387	
19STS4539	991	1143	991	394	



CAISSON POUR DISTRIBUTEUR (PEHD) - CONFORME UL 971

ARQUETA PARA SURTIDOR / DISPENSADOR (PEAD) - EN ACUERDO CON UL 971

ZAPFSÄULENSCHACHT (HDPE) MIT ZERTIFIKAT UL 971

SUMP DE BOMBA (PEAD) - CONFORME UL 971

POZZETTO PER DISTRIBUTORE (PEAD) - IN ACCORDO CON UL 971

## DISPENSER SUMP (HDPE) - UL 971 LISTED

Code	P	L	L <sub>1</sub>	L <sub>2</sub>	H	H <sub>1</sub>	Notes
19DDS2312	298	578	730	660	806	356	
19DDS3617	443	914	1060	660	806	356	
19DDS4215	368	1041	1181	660	806	356	
19DDS4211	279	1041	1181	660	806	356	

## SUMPS AND ACCESSORIES



TAMPON DE PISTE EN MATÉRIAU COMPOSITE C250 EN 124 AVEC VERROU CAM LOCK - HYDROFUGÉ

TAPA PARA PASO DE HOMBRE DE MATERIAL COMPUESTO C250 EN 124 CON CIERRE CAM LOCK - IMPERMEABLE

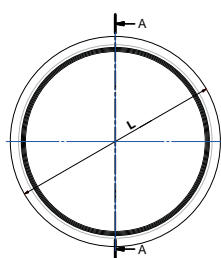
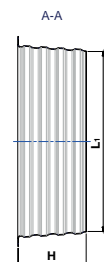
SCHACHTDECKEL C250 AUS VERBUNDSTOFF MIT ZERTIFIKAT EN 124 UND SCHLOSS CAM LOCK - WASSERDICHT

TAMPA PARA POÇO DE INSPEÇÃO DE MATERIAL COMPÓSITO COM FECHO CAM LOCK - IMPERMEÁVEL

CHIUSINO PER PASSO D'UOMO IN MATERIALE COMPOSITO CON CHIUSURA CAM LOCK - IMPERMEABILE

### WATERTIGHT RAINIGHT COMPOSITE MANHOLE COVER C250 EN124 LISTED WITH CAM LOCK

Code	Ø	Notes
19STAM36WTCLP	960	cover, frame, seal, plug and lock
19STAM42WTCLP	1120	cover, frame, seal, plug and lock
19STAM36WTCLPDC	960	cover, frame, seal, plug and lock and dip cap
19STAM42WTCLPDC	1120	cover, frame, seal, plug, lock and dip cap



JUPE POUR TAMPON DE PISTE (PEHD)

FALDA PARA TAPA BOCA DE HOMBRE (PEAD)

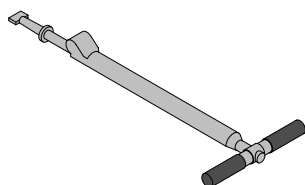
RAND FÜR SCHACHTDECKEL (HDPE)

FRANJA PARA TAMPA POÇO DE INSPEÇÃO (PEAD)

GONNA IN PEAD PER CHIUSINO (PEAD)

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

Code	L	L <sub>1</sub>	H	Notes
19SSKIRT36	-	-	-	
19SSKIRT42	1240	1062	400	



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

HEBESTIFT FÜR SCHACHTDECKEL MIT SICHERUNGSTEMPELBRECHER

VARA DE LEVANTAMENTO PARA TAMPA POÇO DE INSPEÇÃO COM SISTEMA QUEBRA-SELAGEM

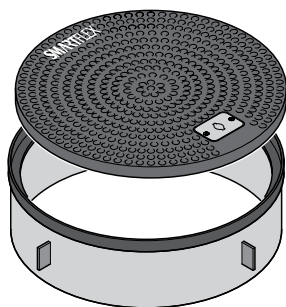
ASTA DI SOLLEVAMENTO PER CHIUSINO PASSO D'UOMO CON ROMPISIGILLO

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

Code	Notes
19STAMLPW	



# SUMPS AND ACCESSORIES



TAMPON DE PISTE EN MATÉRIAU COMPOSITE C250 EN 124 AVEC VERROU CAM LOCK - HYDROFUGÉ

TAPA PARA PASO DE HOMBRE DE MATERIAL COMPUESTO C250 EN 124 CON CIERRE CAM LOCK - IMPERMEABLE

SCHACHTDECKEL C250 AUS VERBUNDSTOFF MIT ZERTIFIKAT EN 124 UND SCHLOSS CAM LOCK - WASSERDICHT

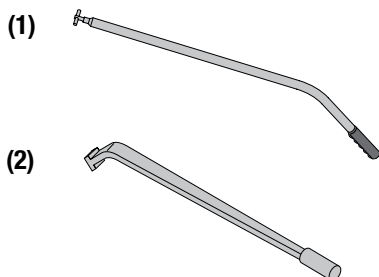
TAMPA PARA POÇO DE INSPEÇÃO DE MATERIAL COMPÓSITO COM FECHO CAM LOCK - IMPERMEÁVEL

CHIUSINO PER PASSO D'UOMO IN MATERIALE COMPOSITO CON CHIUSURA CAM LOCK - IMPERMEABILE

## WATERTIGHT COMPOSITE MANHOLE COVER C250 EN 124 LISTED WITH CAM LOCK

Code	Ø	Notes
19STAM24WTCL (*)	670	
19STAM38WTCL (*)	990	

(\*) until stock exhaustion - jusqu'au épuisement du stock - hasta agotar existencias - bis Erschöpfung der Vorräte - hasta esgotar existências - fino ad esaurimento scorte



CLE DE VERROUILLAGE POUR TAMPON DE PISTE

LLAVE DE ELEVACIÓN PARA TAPA BOCA DE HOMBRE

HEBESTIFT FÜR SCHACHTDECKEL

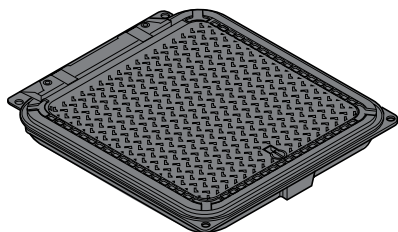
VARA DE LEVANTAMENTO PARA TAMPA POÇO DE INSPEÇÃO

ASTA DI SOLLEVAMENTO PER CHIUSINO PASSO D'UOMO

## LIFTING PLATE FOR MANHOLE COVER

Code	Notes
19STAML P (*) (1)	for/pour/para/für/para/per 19STAM_WTCL
19STAML PD400 (*) (2)	for/pour/para/für/para/per 19STAMF400

(\*) until stock exhaustion - jusqu'au épuisement du stock - hasta agotar existencias - bis Erschöpfung der Vorräte - hasta esgotar existências - fino ad esaurimento scorte



TAMPON DE PISTE EN FONTE D400/EN 124 AVEC OUVERTURE SERVO-ASSISTÉE

TAPA PARA PASO DE HOMBRE DE FUNDICIÓN D400/EN 124 CON ABERTURA SERVO ASISTIDA

GUSSSCHACHTDECKELD400 MIT ZERTIFIKAT EN 124 UND SERVO-HILFSÖFFNUNG

TAMPA PARA POÇO DE INSPEÇÃO DE GUSA D400 EN 124 COM ABERTURA SERVOASSISTIDA

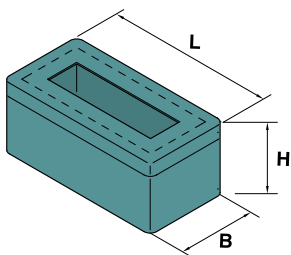
CHIUSINO PER PASSO D'UOMO IN GHISA D400 EN 124 CON APERTURA SERVOASSISTITA

## CAST IRON MANHOLE COVER D400 EN 124 LISTED WITH POWER-ASSISTED OPENING

Code	Notes
19STAMF400 (*)	954 x 853

(\*) until stock exhaustion - jusqu'au épuisement du stock - hasta agotar existencias - bis Erschöpfung der Vorräte - hasta esgotar existências - fino ad esaurimento scorte

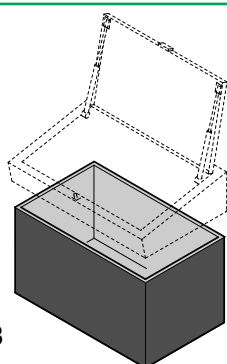
## SUMPS AND ACCESSORIES



CAISSON POUR DISTRIBUTEUR (PEHD)  
ARQUETA PARA DISPENSADOR (PEAD)  
WANNE FÜR FÜLLSAMMLER (HDPE)  
SUMP DE BOMBA (PEAD)  
POZZETTO PER DISTRIBUTORE (PEAD)

### FILL BOX (HDPE)

Code	L	B	H	Notes
19SRFB800	800	500	450	Customizable top opening
19SRFB1100	1100	500	450	Ouverture supérieure personnalisable
19SRFB1600	1600	500	450	Abertura superior personalizable
				Ober Öffnung persönlich gestaltet
				Abertura personalizable
				Apertura personalizzabile



SRFBL

SRFB

CAISSON POUR DÉPOTAGE (PEAD) ET COUVERCLE  
DEPÓSITO PARA LLENADO CONCENTRADO (PEAD) Y TAPA  
WANNE FÜR FÜLLSAMMLER (PEAD) UND DECKEL  
CONTAINER PARA DESCARGA À DISTÂNCIA (PEAD) E TAMPA  
VASCA CARICO CONCENTRATO (PEAD) E COPERCHIO

### REMOTE FILL BOX (HDPE) AND LID

Code	Notes
19SRFB800	Size/dimensions/dimensiones/Größe/medidas/dimensioni 800x500x450
19SRFBL800	lid for SRFB800/couvercle pour SRFB800/tapa para SRFB800/ Deckel für SRFB800/tampa para SRFB800/coperchio per SRFB800
19SRFB1100	Size/dimensions/dimensiones/Größe/medidas/dimensioni 1100x500x450
19SRFBL1100	lid for SRFB1100/couvercle pour SRFB1100/tapa para SRFB1100/ Deckel für SRFB1100/tampa para SRFB1100/coperchio per SRFB1100
19SRFB1600	Size/dimensions/dimensiones/Größe/medidas/dimensioni 1600x500x450
19SRFBL1600	lid for SRFB1600/couvercle pour SRFB1600/tapa para SRFB1600/ Deckel für SRFB1600/tampa para SRFB1600/coperchio per SRFB1600

# SUMPS AND ACCESSORIES



(1)



(2)

CAISSON DE DEPOTAGE EN PEHD  
ARQUETA DE CONTENIMIENTO PARA LLENADO REMOTO  
FERNFÜLLSCHACHT  
SPILL CONTAINER PARA DESCARGA À DISTÂNCIA  
POZZETTO PER CARICO REMOTO

## REMOTE SPILL CONTAINMENT

Code	ø (in)	Notes
19SSC3FNPTDW <sup>(2)</sup>	3"	3" F NPT DW pipe/tuyau DE/tubo DP/DW Rohr/tubo de PD/tubo DP
19SSC3FDW <sup>(2)</sup>	3"	3" F BSP DW pipe/tuyau DE/tubo DP/DW Rohr/tubo de PD/tubo DP
19SSC3FNPTSW <sup>(1)</sup>	3"	3" F NPT SW pipe/tuyau SE/tubo SP/EW Rohr/tubo de PS/tubo SP
19SSC3FSW <sup>(1)</sup>	3"	3" F BSP SW pipe/tuyau SE/tubo SP/EW Rohr/tubo de PS/tubo SP
19SSC4FNPTDW <sup>(2)</sup>	4"	4" F NPT DW pipe/tuyau DE/tubo DP/DW Rohr/tubo de PD/tubo DP
19SSC4FDW <sup>(2)</sup>	4"	4" F BSP DW pipe/tuyau DE/tubo DP/DW Rohr/tubo de PD/tubo DP
19SSC4FNPTSW <sup>(1)</sup>	4"	4" F NPT SW pipe/tuyau SE/tubo SP/EW Rohr/tubo de PS/tubo SP
19SSC4FSW <sup>(1)</sup>	4"	4" F BSP SW pipe/tuyau SE/tubo SP/EW Rohr/tubo de PS/tubo SP



(1)



(2)

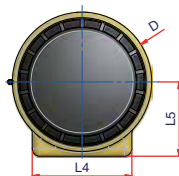
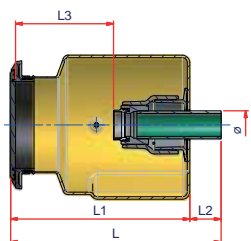
CAISSON DE DEPOTAGE EN PEHD AVEC COUVERCLE RAINURÉ  
ARQUETA DE CONTENIMIENTO PARA LLENADO REMOTO CON TAPA ACANALADA  
FERNFÜLLSCHACHT MIT RILLENDERCKEL  
SPILL CONTAINER PARA DESCARGA À DISTÂNCIA CON TAMPA RANHURADA  
POZZETTO PER CARICO REMOTO CON COPERCHIO CORDONATO

## REMOTE SPILL CONTAINMENT WITH GROOVED LID

Code	ø (in)	Notes
19SSC3FNPTDWGL <sup>(2)</sup>	3"	3" F NPT DW pipe/tuyau DE/tubo DP/DW Rohr/tubo de PD/tubo DP
19SSC3FDWGL <sup>(2)</sup>	3"	3" F BSP DW pipe/tuyau DE/tubo DP/DW Rohr/tubo de PD/tubo DP
19SSC3FNPTSWGL <sup>(1)</sup>	3"	3" F NPT SW pipe/tuyau SE/tubo SP/EW Rohr/tubo de PS/tubo SP
19SSC3FSWGL <sup>(1)</sup>	3"	3" F BSP SW pipe/tuyau SE/tubo SP/EW Rohr/tubo de PS/tubo SP
19SSC4FNPTDWGL <sup>(2)</sup>	4"	4" F NPT DW pipe/tuyau DE/tubo DP/DW Rohr/tubo de PD/tubo DP
19SSC4FDWGL <sup>(2)</sup>	4"	4" F BSP DW pipe/tuyau DE/tubo DP/DW Rohr/tubo de PD/tubo DP
19SSC4FNPTSWGL <sup>(1)</sup>	4"	4" F NPT SW pipe/tuyau SE/tubo SP/EW Rohr/tubo de PS/tubo SP
19SSC4FSWGL <sup>(1)</sup>	4"	4" F BSP SW pipe/tuyau SE/tubo SP/EW Rohr/tubo de PS/tubo SP





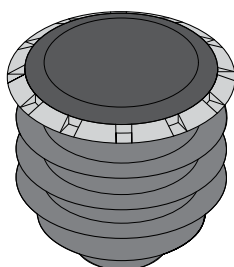
## SUMPS AND ACCESSORIES



PUISARD DE DEPOTAGE  
ARQUETA DE CONTENIMIENTO PARA LLENADO DIRECTO  
FERNFÜLLSCHACHT  
SPILL CONTAINER PARA DESCARGA DIRECTA  
POZZETTO PER CARICO DIRETTO

### DIRECT SPILL CONTAINMENT

Code	ø (in)	L1	L2	L3	L4	L5	L	D	Notes
19SSCDFS3FNPT	3"	576	100	315	320	239	676	448	 3" F NPT SW pipe/tuyau SE/tubo SP/EW Rohr/tubo de PS/tubo SP
19SSCDFS4FNPT	4"	576	116	262	320	239	692	448	 4" F NPT SW pipe/tuyau SE/tubo SP/EW Rohr/tubo de PS/tubo SP
19SSCDFS3FBSP	3"	576	100	315	320	239	676	448	3" F BSP SW pipe/tuyau SE/tubo SP/EW Rohr/tubo de PS/tubo SP
19SSCDFS4FBSP	4"	576	116	262	320	239	692	448	4" F BSP SW pipe/tuyau SE/tubo SP/EW Rohr/tubo de PS/tubo SP



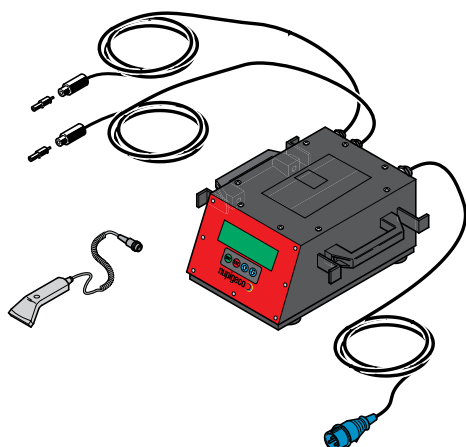
PUISARD DE DEPOTAGE EN PEHD AVEC COUVERCLE DE FONTE AVEC RÉCUPÉRATION DU CARBURANT  
ARQUETA DE CONTENIMIENTO PARA LLENADO DIRECTO CON TAPA DE FUNDICIÓN CON RECUPERACIÓN DE CARBURANTE  
FERNFÜLLSCHACHT MIT GUSSEISENDECKEL MIT ERHOLUNG DER TREIBSTOFF  
SPILL CONTAINER PARA DESCARGA DIRECTA COM TAMPA DE GUSA CON RECUPERAÇÃO DO CARBURANTE  
POZZETTO PER CARICO DIRETTO CON COPERCHIO IN GHISA CON RECUPERO FUORIUSCITE DI CARBURANTE

### DIRECT SPILL CONTAINMENT WITH CAST IRON COVER 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 - bis Erschöpfung der Vorräte - hasta esgotar existências - fino ad esaurimento scorte

# TOOLING



SOUDEUSE MULTI-FONCTION AVEC DOUCHETTE - VERSION LEGERE  
 MAQUINA DE SOLDAR MULTIFUNCIÓN CON ESCÁNER DE CÓDIGO DE BARRAS -  
 VERSIÓN LIGERA  
 MEHRZWECK-SCHWEISSMASCHINE MIT STRICHCODE SCANNER - AUSFÜHRUNG  
 LEICHT  
 UNIDADE DE SOLDA DE ELETROFUSÃO MULTIFUNCIONAL COM ESCANEADOR DE  
 CÓDIGO DE BARRAS - VERSÃO LIGEIRA  
 SALDATRICE MULTIFUNZIONE CON LETTORE CODICE A BARRE - VERSIONE LEGGERA

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

Code	Notes
19SSEL8404L/220*•	220V
19SSEL8404L/110*•	110V

\* welds up to DW Ø 110 piping - soude jusqu'à DP Ø 110 - suelda hasta Ø DP 110 - schweißt bis zu DW Rohr Ø 110 - solda até DP Ø 110 - solda fino a DP Ø 110

• welding kit available - kit de soudure disponible - kit de soldadura disponible - Schweissatz vorrätig - kit de solda disponível - kit di saldatura disponibile

- Ambient temperature measurement
- Welding voltage measurement 5-42 V
- Download by means of USB technology
- Power Max: 1000 VA
- Size: 310x210x160 mm
- Weight: 13 kg
- Index Protection: IP54

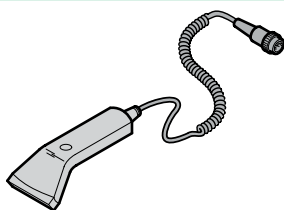
- Détection de la température ambiante
- Réglage de la tension de soudure entre 5 et 42 V
- Déchargement à ordinateur par technologie USB
- Puissance maxi: 1000 VA
- Dimensions: 310x210x160 mm
- Poids: 13 kgs
- Protection: IP54

- Medición temperatura ambiente
- Regulación de la tensión de soldadura 5 - 42 V.
- Descarga datos a ordenador por medio de tecnología USB
- Potencia máx.: 1000 VA
- Dimensiones: 310x210x160 mm
- Peso: 13 kg
- Protección: IP54

- Erfassung der Raumtemperatur
- Einstellung der Schweißspannung 5-42 V
- Technologie USB für die Fernübertragung der Schweißprotokolle und der Drucktests
- Max. Leistung: 1000 VA
- Abmessungen: 310x210x160 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 310x210x160 mm
- Peso: 13 kg
- Proteção: IP54

- Rilevazione temperatura ambiente
- Regolazione della tensione di saldatura 5-42 V
- Scarico dati tramite collegamento USB a PC
- Potenza Max: 1000 VA
- Dimensioni: 310x210x160 mm
- Peso: 13 kg
- Protezione: IP54



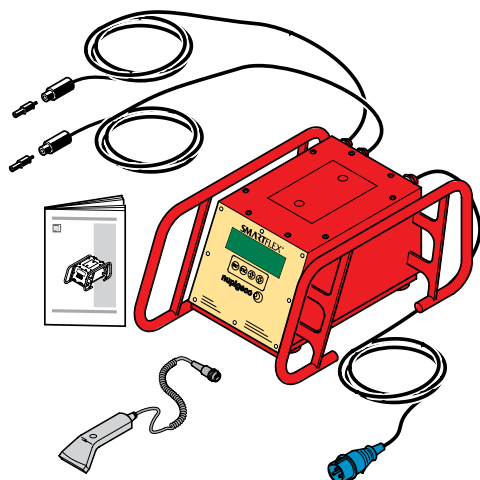
PIÈCES DE RECHANGES - DOUCHETTE POUR SOUDEUSE  
 PIEZAS DE REPUESTO - ESCÁNER DE CÓDIGO DE BARRAS PARA SOLDADORA  
 ZUBEHÖR - STRICHCODE SCANNER FÜR SCHWEISSMASCHINE  
 PEÇAS DE REPOSIÇÃO - ESCANEADOR DE CÓDIGO DE BARRAS PARA UNIDADE DE SOLDA  
 PARTI DI RICAMBIO - LETTORE CODICE A BARRE PER SALDATRICE

## WELDING UNIT SPARE PARTS - BARCODE HAND 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

MAQUINA DE SOLDAR MULTIFUNCIÓN CON ESCÁNER DE CÓDIGO DE BARRAS

MEHRZWECK-SCHWEISSMASCHINE MIT STRICHCODE SCANNER

UNIDADE DE SOLDA DE ELETROFUSÃO MULTIFUNCIONAL COM ESCANEADOR DE CÓDIGO DE BARRAS

SALDATRICE MULTIFUNZIONE CON LETTORE CODICE A BARRE

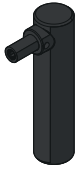
## MULTIFUNCTION WELDING UNIT WITH BARCODE HAND SCANNER

Code	Notes
19SSEL8404/220	220V
19SSEL8404/110	110V
<ul style="list-style-type: none"> <li>- Ambient temperature measurement</li> <li>- Welding voltage measurement 5-42 V</li> <li>- Download by means of Bluetooth link to PC with proper software</li> <li>- Power Max: 1200 VA</li> <li>- Size: 500x300x190 mm</li> <li>- Weight: 26 kg</li> <li>- Index Protection: IP54</li> </ul>	<ul style="list-style-type: none"> <li>- Détection de la température ambiante</li> <li>- Réglage de la tension de soudure entre 5 et 42 V</li> <li>- Déchargement par connexion Bluetooth à ordinateur avec logiciel approprié</li> <li>- Puissance maxi: 1200 VA</li> <li>- Dimensions: 500x300x190 mm</li> <li>- Poids: 26 kgs</li> <li>- Protection: IP54</li> </ul>
<ul style="list-style-type: none"> <li>- Erfassung der Raumtemperatur</li> <li>- Einstellung der Schweißspannung 5-42 V</li> <li>- Serieller Anschluß für die Fernübertragung der Schweißprotokolle und der Drucktests</li> <li>- Max. Leistung: 1200 VA</li> <li>- Abmessungen: 500x300x190 mm</li> <li>- Gewicht: 26 kg</li> <li>- Schutzgrad IP54</li> </ul>	<ul style="list-style-type: none"> <li>- Medición temperatura ambiente</li> <li>- Regulación de la tensión de soldadura 5 - 42 V.</li> <li>- Descarga datos por medio de conexión bluetooth a ordenador con software apropiado</li> <li>- Potencia máx.: 1200 VA</li> <li>- Dimensiones: 500x300x190 mm</li> <li>- Peso: 26 kg</li> <li>- Protección: IP54</li> </ul>
<ul style="list-style-type: none"> <li>- Detecção da temperatura ambiente</li> <li>- Ajuste da tensão de solda 5-42 V</li> <li>- Download para PC via Bluetooth com software específico</li> <li>- Potência máxima 1200 VA</li> <li>- Dimensões 500x300x190 mm</li> <li>- Peso: 26 kg</li> <li>- Proteção: IP54</li> </ul>	<ul style="list-style-type: none"> <li>- Rilevazione temperatura ambiente</li> <li>- Regolazione della tensione di saldatura 5-42 V</li> <li>- Scarico tramite collegamento Bluetooth a PC con apposito software</li> <li>- Potenza Max: 1200 VA</li> <li>- Dimensioni: 500x300x190 mm</li> <li>- Peso: 26 kg</li> <li>- Protezione: IP54</li> </ul>

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

Code	Notes
00CONNITPO	Connecting pins for optical pen Connecteurs pour crayon optique Conectores para lápiz óptico Verbinder für elektronischer Stift Conectores para caneta luminosa Connettori per penna ottica
00CAVO9PIN3	Data transfer cable Câble pour transfert de données Cable para transferencia de datos Kabel für Datenübertragung Cabo para transferencia de dados Cavo per trasferimento dati (for/pour/para/für/para/per SSEL8300 - SSEL8400)
00CAVO9PIN5	Data transfer cable Câble pour transfert de données Cable para transferencia de datos Kabel für Datenübertragung Cabo para transferencia de dados Cavo per trasferimento dati (for/pour/para/für/para/per SSEL8402 - SSEL8403)
00USBPIN9AD	PIN9-USB port adapter Adaptateur port série 9pin-USB Adaptador puerto serie 9pin-USB Adapter serieller Anschluss 9pin-USB Adaptador porta série 9pin-USB Adattatore porta seriale 9pin-porta USB
00SPEN	Optical pen Crayon optique Lápiz óptico Elektronischer Stift Caneta luminosa Penna ottica (for/pour/para/für/para/per SSEL8403)
00SPEN8404	Optical pen Crayon optique Lápiz óptico Elektronischer Stift Caneta luminosa Penna ottica (for/pour/para/für/para/per SSEL8404)

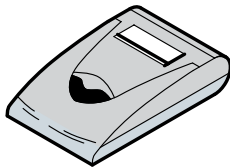
# TOOLING



ADAPTATEUR 90° POUR CONNECTEURS  
ADAPTADOR 90° PARA CONECTADORES  
ADAPTER 90° FÜR VERBINDER  
ADAPTADOR 90° PARA CONECTORES  
ADATTATORE 90° PER CONNETTORI

## 90° ADAPTER FOR PIN CONNECTION

Code	Notes
00CONN4490	



IMPRIMANTE BLUETOOTH PORTABLE  
IMPRESORA BLUETOOTH PORTÁTIL  
TRAGBARER BLUETOOTH DRUCKER  
IMPRESSORA BLUETOOTH PORTÁTIL  
STAMPANTE BLUETOOTH PORTATILE

## PORTABLE BLUETOOTH PRINTER

Code	Notes
00BTPRINT	



APPAREIL POUR TÉLÉCHARGER DONNÉES  
APARATO PARA DESCARGAR DATOS  
EINHEIT FÜR DATENENTLADUNG  
DISPOSITIVO PARA TRANSFERÊNCIA DADOS  
UNITÀ SCARICO DATI

## DOWNLOAD UNIT

Code	Notes
00DLU	



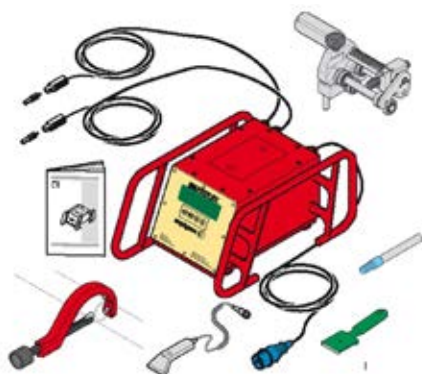
APPAREIL GPS  
APARATO GPS  
GPS EINHEIT  
DISPOSITIVO GPS  
UNITÀ GPS

## GPS DEVICE

Code	Notes
00GPS	



# TOOLING



KIT DE SOUDURE POUR SIMPLE ENVELOPPE

KIT DE SOLDADURA PARA SIMPLE PARED

SCHWEISSATZ FÜR EINWANDIGES ROHRSYSTEM

KIT DE SOLDA - SOMENTE PARA DE PAREDE SIMPLES

KIT DI SALDATURA PER SISTEMI SINGOLA PARETE

## WELDING KIT (SW ONLY)

Code	Notes
19SSET5/220	220V
19SSET5/110	110V

The kit includes:

- no. 1 welding unit (19SSEL8404)
- no. 1 manual scraper (00RAM1)
- no. 1 pipe cutter (00SCUT)
- no. 1 universal scraper (19RAT0)
- no. 1 spare blades set (19RAT0SB, 00SLRCUT)
- no. 1 white marker (00MARK)
- no. 1 barcode hand scanner (00BCSCAN)

El kit incluye:

- n. 1 maquina de soldar (19SSEL8404)
- n. 1 raspador manual (00RAM1)
- n. 1 corta-tubo (00SCUT)
- n. 1 raspador universal (19RAT0)
- n. 1 conjunto de cuchillas de repuesto (19RAT0SB, 00SLRCUT)
- n. 1 marcador (00MARK)
- n. 1 escáner de código de barras (00BCSCAN)

O kit contém:

- n. 1 unidade de solda (19SSEL8404)
- n. 1 raspador manual (00RAM1)
- n. 1 corta-tubo (00SCUT)
- n. 1 raspador rotativo universal (19RAT0)
- n. 1 jogo de lâminas sobressalentes (19RAT0SB, 00SLRCUT)
- n. 1 caneta marcadora (00MARK)
- n. 1 escaneador de código de barras (00BCSCAN)

Le kit comprends:

- n. 1 machine à souder (19SSEL8404)
- n. 1 gratteur manuel (00RAM1)
- n. 1 coupe-tube (00SCUT)
- n. 1 gratteur universel (19RAT0)
- n. 1 set de lames de rechange (19RAT0SB, 00SLRCUT)
- n. 1 stylo (00MARK)
- n. 1 douchette (00BCSCAN)

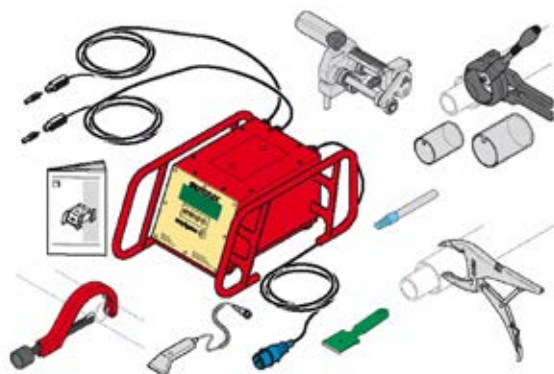
Der Schweissatz besteht aus:

- n. 1 Schweissmaschine (19SSEL8404)
- n. 1 Handschaber (00RAM1)
- n. 1 Rohrschneider (00SCUT)
- n. 1 Allzweck-Schaber (19RAT0)
- n. 1 Satz von Ersatzklingen (19RAT0SB, 00SLRCUT)
- n. 1 Lack Markierungsstift (00MARK)
- n. 1 Strichcode Scanner (00BCSCAN)

Il kit include:

- n. 1 saldatrice (19SSEL8404)
- n. 1 raschietto manuale (00RAM1)
- n. 1 tagliatubo (00SCUT)
- n. 1 raschietto universale (19RAT0)
- n. 1 set di lame di ricambio (19RAT0SB, 00SLRCUT)
- n. 1 pennarello (00MARK)
- n. 1 lettore codice a barre (00BCSCAN)

# TOOLING



KIT DE SOUDURE POUR SIMPLE ET DOUBLE ENVELOPPE  
KIT DE SOLDADURA PARA SIMPLE Y DOBLE SIMPLE PARED  
SCHWEISSATZ FÜR EINW. UND DOPPELW. ROHRSYSTEM  
KIT DE SOLDA PARA DE PAREDE SIMPLES E DUPLA  
KIT DI SALDATURA PER SINGOLA E DOPPIA PARETE

## WELDING KIT (SW AND DW)

Code	Notes
19SSET6/220	220V
19SSET6/110	110V

### The kit includes:

- no. 1 welding unit (19SSEL8404)
- no. 1 manual scraper (00RAM1)
- no. 1 pipe cutter (00SCUT)
- no. 1 pipe cutter for double wall pipe (00SCUTDW)
- no. 1 universal scraper (19RAT0)
- no. 1 spare blades set (19RAT0SB, 00SLRCUT, 00SLRDW)
- no. 1 white marker (00MARK)
- no. 1 pliers for double wall pipe (00SPLIDW)
- no. 1 spare protection sleeves (00STP)
- no. 1 barcode hand scanner (00BCSCAN)

### Le kit comprends:

- n. 1 machine à souder (19SSEL8404)
- n. 1 gratteur manuel (00RAM1)
- n. 1 coupe-tube (00SCUT)
- n. 1 coupe-tube pour double enveloppe (00SCUTDW)
- n. 1 gratteur universel (19RAT0)
- n. 1 set de lames de rechange (19RAT0SB, 00SLRCUT, 00SLRDW)
- n. 1 stylo (00MARK)
- n. 1 pince pour tuyauterie double enveloppe (00SPLIDW)
- n. 1 gabarits de rechange (00STP)
- n. 1 douchette (00BCSCAN)

### El kit incluye:

- n. 1 máquina de soldar (19SSEL8404)
- n. 1 raspador manual (00RAM1)
- n. 1 corta-tubo (00SCUT)
- n. 1 corta-tubo doble pared (00SCUTDW)
- n. 1 raspador universal (19RAT0)
- n. 1 set de cuchillas de repuesto (19RAT0SB, 00SLRCUT, 00SLRDW)
- n. 1 marcador (00MARK)
- n. 1 pinzas para tubería doble pared (00SPLIDW)
- n. 1 gálilos de repuesto (00STP)
- n. 1 escáner de código de barras (00BCSCAN)

### Der Schweissatz besteht aus:

- n. 1 Schweißmaschine (19SSEL8404)
- n. 1 Handschaber (00RAM1)
- n. 1 Rohrabsschneider (00SCUT)
- n. 1 Rohrabsschneider für doppelwandiges Rohrsystem (00SCUTDW)
- n. 1 Allzweck-Schaber (19RAT0)
- n. 1 Satz von Ersatzklingen (19RAT0SB, 00SLRCUT, 00SLRDW)
- n. 1 Lack Markierungstift (00MARK)
- n. 1 Zange für doppelwandiges Rohrsystem (00SPLIDW)
- n. 1 Ersatzschutzschablone (00STP)
- n. 1 Strichcode Scanner (00BCSCAN)

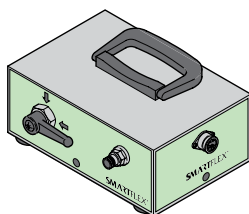
### O kit contém:

- n. 1 unidade de solda (19SSEL8404)
- n. 1 raspador manual (00RAM1)
- n. 1 corta-tubo (00SCUT)
- n. 1 corta-tubo para tubo de parede dupla (00SCUTDW)
- n. 1 raspador rotativo universal (19RAT0)
- n. 1 jogo de lâminas sobressalentes (19RAT0SB, 00SLRCUT, 00SLRDW)
- n. 1 caneta marcadora (00MARK)
- n. 1 alicate de pressão para tubo de parede dupla (00SPLIDW)
- n. 1 gabaritos sobressalente (00STP)
- n. 1 escaneador de código de barras (00BCSCAN)

### Il kit include:

- n. 1 saldatrice (19SSEL8404)
- n. 1 raschietto manuale (00RAM1)
- n. 1 tagliatubo (00SCUT)
- n. 1 Tagliatubo per tubo doppia parete (00SCUTDW)
- n. 1 raschietto universale (19RAT0)
- n. 1 set di lame di ricambio (19RAT0SB, 00SLRCUT, 00SLRDW)
- n. 1 pennarello (00MARK)
- n. 1 pinza per tubo doppia parete (00SPLIDW)
- n. 1 manicotti di protezione di ricambio (00STP)
- n. 1 lettore codice a barre (00BCSCAN)

# TOOLING

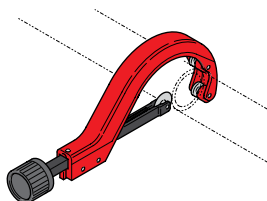


UNITÉ POUR ESSAI (PRESSION OU VIDE)  
UNIDAD DE PRUEBA (PRESIÓN O VACÍO)  
TESTEINHEIT (DRUCK ODER VAKUUM)  
DISPOSITIVO DE TESTE (PRESSÃO O VÁCUO)  
UNITÀ PER TEST DI COLLAUDO (PRESSIONE O VUOTO)

## TEST UNIT

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

(\*) use with 19SSEL8404 - utiliser avec 19SSEL8404 - usar con 19SSEL8404 - mit 19SSEL8404 benutzen - usar com 19SSEL8404 - utilizzare con 19SSEL8404

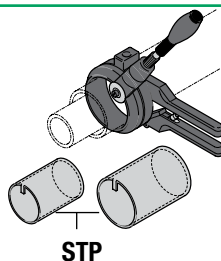


COUPE-TUBE AVEC LAMES DE RECHANGE  
CORTATUBO CON CUCHILLAS DE REPUESTO  
ROHRABSCHNEIDER MIT ERSATZKLINGEN  
CORTA-TUBO E LÂMINAS SOBRESSALENTES  
TAGLIATUBO CON LAME DI RICAMBIO

## 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

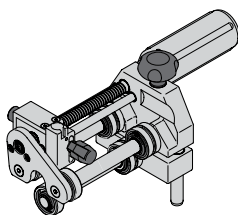
# TOOLING



COUPE-TUBE POUR DOUBLE ENVELOPPE AVEC LAMES DE RECHANGE  
CORTA-TUBO DOBLE PARED CON CUCHILLAS DE REPUESTO  
ROHRABSCHNEIDER FÜR DOPPELWANDIGES ROHRSYSTEM MIT ERSATZKLINGEN  
CORTA-TUBO PARA TUBO DE PAREDE DUPLA E LÂMINAS SOBRESSALENTES  
TAGLIATUBO PER TUBO DOPPIA PARETE CON LAME DI RICAMBIO

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

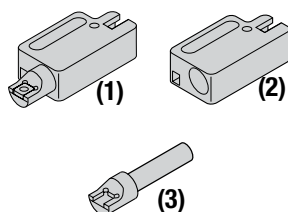
Code	Ø	Notes
00SCUTDW	50 - 63	
00SLRDW	50 - 63	spare blade/lame de réchange/cuchilla de repuesto/Ersatz Klinge lâmina sobressalente/lama di ricambio
00STP	50 - 63	protection sleeves/gabarits de protection/gálilos de protección/Schutzschablone/gabaritos de protecção/manicotti di protezione
00STP90	90	protection sleeves/gabarits de protection/gálilos de protección/Schutzschablone/gabaritos de protecção/manicotti di protezione
00STP110	110	protection sleeves/gabarits de protection/gálilos de protección/Schutzschablone/gabaritos 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	Ø	Notes
19RAT0	32 - 180	
19RAT0SB	32 - 180	spare blade/lame de réchange/cuchilla de repuesto/Ersatz Klinge lâmina sobressalente/lama di ricambio



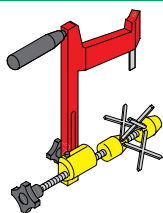
PIÈCES DE RECHANGE POUR 19RAT0  
PIEZAS DE REPUESTO PARA 19RAT0  
ZUBEHÖR FÜR 19RAT0  
PEÇAS DE REPOSIÇÃO PARA 19RAT0  
PARTI DI RICAMBIO PER 19RAT0

## SPARE PARTS FOR 19RAT0

Code	Notes
00BSB <sup>(1)</sup> (*)	blade support block/bloc support lame/bloque soporte cuchilla Klinge Auflager Block/bloco suporte lâmina/blocco porta placca
00BSC <sup>(2)</sup> (*)	blade support case/coffret support lame/caja soporte cuchilla Klinge Auflager Gehäuse/envólucro suporte lâmina/blocco porta gruppo taglio
00BS <sup>(3)</sup> (*)	blade support/support lame/soporte cuchilla Klinge Auflager/suporte lâmina/porta placca

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

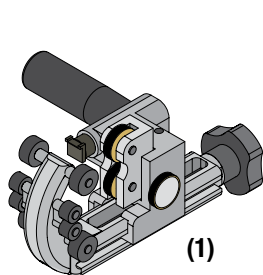
# TOOLING



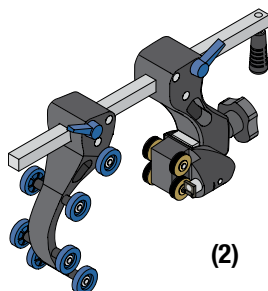
GRATTEUR CIRCONFÉRENTIEL  
RASPADOR CIRCUNFERENCIAL  
UMFANG-SCHABER  
RASPADOR CIRCUNFERENCIAL  
RASCHIETTO CIRCONFENZIALE

## REVOLVING SCRAPER

Code	Ø	Notes
00RAT1A	63 - 160	
00RATKITRIC	63 - 160	spare blade/lame de réchange/cuchilla de repuesto/Ersatzklinge lâmina sobressalente/lama di ricambio



(1)

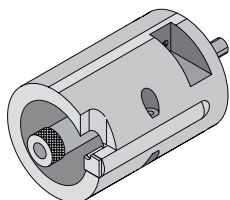


(2)

GRATTEUR CIRCONFÉRENTIEL  
RASPADOR CIRCUNFERENCIAL  
UMFANG-SCHABER  
RASPADOR CIRCUNFERENCIAL  
RASCHIETTO CIRCONFENZIALE

## REVOLVING SCRAPER

Code	Ø	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

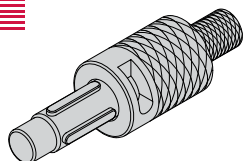


TURBO-GRATTEUR POUR PERCEUSE  
RASPADOR TURBO PARA TALADRO  
TURBO-SCHABER FÜR BOHRER  
RASPADOR TURBO PARA BROCA  
RASCHIETTO TURBO PER TRAPANO

## TURBO SCRAPER FOR DRILL

Code	Ø	Notes
00RATURB032	32	
00RATURB050	50	
00RATURB063	63	

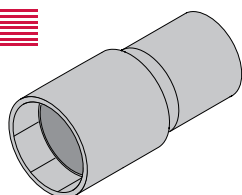
# TOOLING



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

## SCRAPER FOR SUPERSMARTFLEX

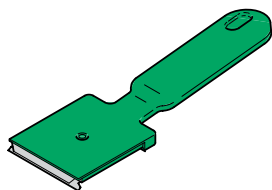
Code	Ø	Notes
00RATUL50	50	
00RATUL63	63	



KIT PERCEUSE POUR ARTICLE RATUL  
 KIT TALADRO PARA ARTÍCULO RATUL  
 KIT BOHRER FÜR ARTIKEL RATUL  
 KIT BROCA PARA ARTÍCULO RATUL  
 KIT TRAPANO PER RATUL

## DRILL KITS FOR MODEL RATUL

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



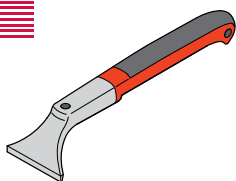
GRATTEUR MANUEL  
 RASPADOR MANUAL  
 HANDSCHABER  
 RASPADOR MANUAL  
 RASCHIETTO MANUALE

## MANUAL SCRAPER

Code	Notes
00RAM1	recommended for polyethylene/recommandé pour polyéthylène recomendado para polietileno/empfeht für Polyäthylen recomendado para polietileno/consigliato per polietilene



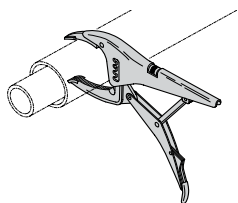
## TOOLING



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

### MANUAL SCRAPER FOR SUPERSMARTFLEX

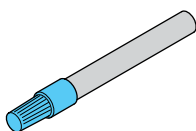
Code	Notes
00RAM2	



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	Ø	Notes
00SPLDW	50 - 63	



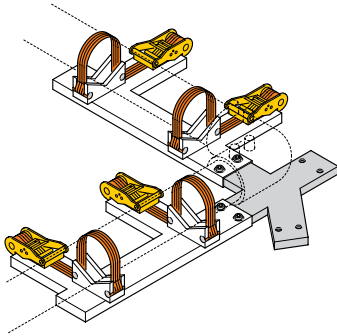
STYLO BLANC  
MARCADOR BLANCO  
LACK MARKIERUNGSTIFT  
CANETA MARCADORA  
MARCATORE BIANCO

### WHITE MARKER

Code	Ø	Notes
00MARK		



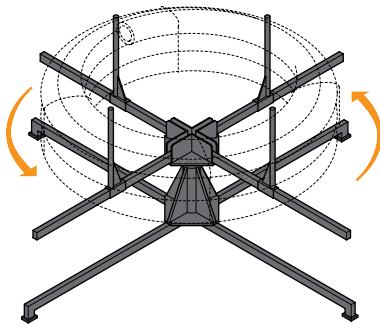
# TOOLING



ALIGNEUR  
POSICIONADOR  
ROHRHALTEVORRICHTUNG  
ALINHADOR  
ALLINEATORE

## PIPE ALIGNER

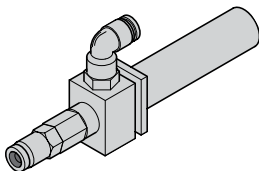
Code	Ø	Notes
00ALL225/4	50 - 225	



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	Notes
00SSVOL	



ÉJECTEUR  
EJECTOR  
EJEKTOR  
BOMBA EJETORA  
EIETTORE

## EJECTOR PUMP

Code	Notes
00SVE	vacuum device/appareil sous vide/aparato bajo vacío Vakuumsgeraet/dispositivo de vacío/dispositivo per sotto vuoto



## TOOLING



DÉTERGENT  
DETERGENTE  
REINIGUNGSMITTEL  
PRIMER  
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  
- incluye butano, propano e isopropanol - contiene butano, propano e isopropanolo



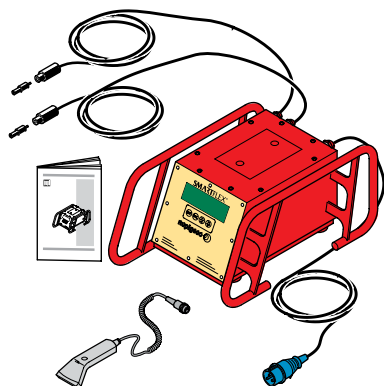
PÂTE ETANCHE  
SELLADOR  
DICHTMASSE  
SELANTE DE ROSCA  
SIGILLANTE PER FILETTI

### THREAD SEALANT

Code	Notes
00SF	50 gr tube/tube gr.50/tubo gr.50 Tube gr.50/tubo gr.50

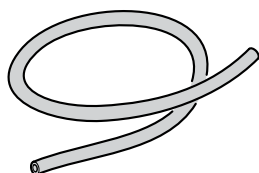
# TOOLING FOR PRESSURE TEST

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



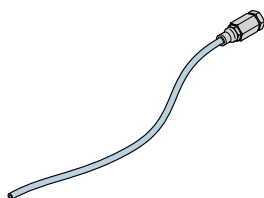
## MULTIFUNCTION WELDING UNIT WITH BARCODE HAND SCANNER

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



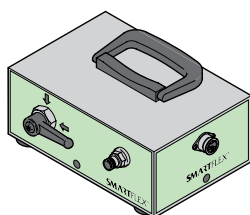
## TUBE FOR PRESSURE TEST AND MONITORING

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



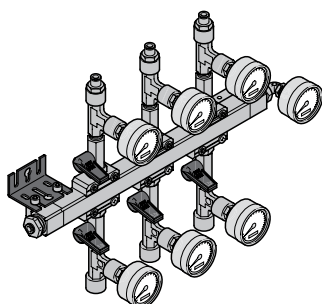
## FEMALE ADAPTER FOR PRESSURE TEST

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



## TEST UNIT

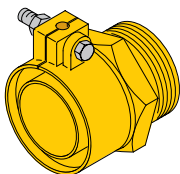
UNITÉ POUR ESSAI  
UNIDAD DE PRUEBA  
TESTEINHEIT  
DISPOSITIVO DE TESTE  
UNITÀ PER TEST DI COLLAUDO



## 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  
COLLETTORE PER SISTEMA DI MONITORAGGIO PERDITE

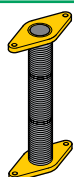
## ITEMS TO SUPPORT THE INSTALLATION



RACCORD WIPEX POUR TUYAUTERIE EN POLYÉTHYLÈNE  
 RACOR WIPEX PARA TUBERÍA DE POLIETILENO  
 FITTING WIPEX FÜR POLYÄTHYLENROHRE  
 MONTAGEM WIPEX PARA TUBO DE 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 tubagem/per tubo Ø 63
00SWIP80	80	for pipe/pour tuyau/para tubería/für Rohre/para tubagem/per tubo Ø 90

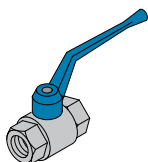


CONNEXION FLEXIBLE AVEC BRIDE OVAL TOURNANTE  
 CONEXIÓN FLEXIBLE CON BRIDA OVAL GIRATORIA  
 FLEXIBEL VERBINDUNG DREHBAREN OVAL-FLANSCH  
 CONEXÃO FLEXIVEL COM FLANGE OVAL GIRATÓRIA  
 FLESSIBILE CON FLANGIA OVALE GIREVOLE

### FLEX CONNECTOR WITH OVAL FLANGE SWIVEL

Code	Notes
00SFLA0GIR	H. 250mm

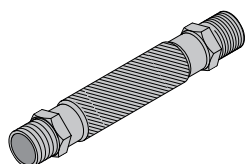
- pressure 1,5 bar max - pression 1,5 bar max. - presión 1,5 bar máx. - max. Druck 1,5 bar - pressao 1,5 bar max. - pressione 1,5 bar max.



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

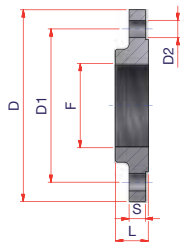


TUYAU FLEXIBLE TRESSÉ  
 MANGUERA TRENZADA  
 FLEXLEITUNG  
 MANGUEIRA TRENZADA  
 TUBO FLESSIBILE TRECCIATO

### BRAIDED HOSE

Code	Ø	Notes
19STFLEXMM112	1 ½"	M/M - 300 mm - 35 bar
19STFLEXMF112	1 ½"	M/F - 300 mm - 35 bar
19STFLEXMM2	2"	M/M - 300 mm - 35 bar

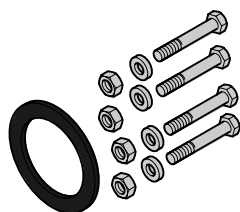
# ITEMS TO SUPPORT THE INSTALLATION



BRIDE FIXE TARAUDÉE EN1092  
BRIDA ROSCADA HEMBRA EN1092  
FLANSCH MIT INNENGWINDE 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	UNI EN 1092-1
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	
00FLAFF4	100 x 4"	16	4"	100	220	180	18	17	38	8	M20	

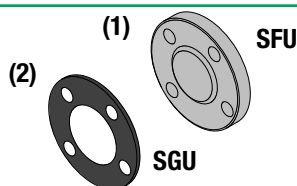


KIT D'ASSEMBLAGE POUR CONTRE BRIDE SAQF-SAQM (SAQFMKI)  
KIT DE MONTAJE PARA CONTRABRIDA SAQF-SAQM (SAQFMKI)  
ANBAUSATZ FÜR GEGENFLANSCHEN SAQF-SAQM (SAQFMKI)  
KIT MONTAGEM PARA FLANGE QUADRADA SAQF-SAQM (SAQFMKI)  
KIT DI MONTAGGIO PER CONTRO FLANGIA SAQF-SAQM (SAQFMKI)

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

Code	ø	Notes
19SAQFMKI112•	50 x 1 1/2"	for/pour/para/für/para/per 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/Dichtung aus Viton/Vedante de Viton/guarnizione in Viton



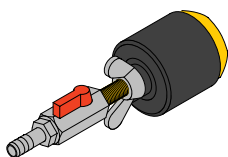
FAUSSE BRIDE DE ALUMINIUM AVEC JOINT  
BRIDA CIEGA DE ALUMINIO CON JUNTA  
BLINDFLANSCH AUS ALUMINIUM MIT DICHUNG  
FLANGE CEGA DE ALUMÍNIO COM VEDANTE  
FLANGIA CIECA IN ALLUMINIO CON GUARNIZIONE

## 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



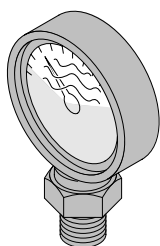
## ITEMS TO SUPPORT THE INSTALLATION



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

### CLOSURE VALVE FOR PRESSURE TEST

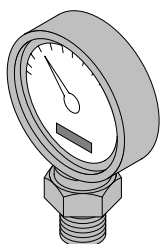
Code	Ø	Notes
00SPTCV50	50	DN40
00SPTCV63	63	DN50
00SPTCV90	90	DN80



MANOMÈTRE EN BAIN DE GLYCÉRINE  
MANÓMETRO DE GLICERINA  
MANOMETER MIT GLYCERIN DÄMPFUNG  
MANÔMETRO 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  
VAKUUMMETER RADIAL  
MANÓMETRO DE VÁCUO RADIAL  
VUOTOMETRO RADIALE

### VACUUM GAUGE - RADIAL

Code	Notes
00SVUOT0600	0 - 600 mbar
00SVUOT01000	0 - 1000 mbar

## ITEMS TO SUPPORT THE INSTALLATION



COURBE A GRAND RAYON M/F  
CURVA RADIO LARGO M/H  
LANGES WINKEL A / I  
COTOVELO RADIO LARGO M/H  
CURVA LUNGA M/F

### LONG SWEEP BEND M/F

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



COURBE A GRAND RAYON F/F  
CURVA RADIO LARGO H/H  
LANGES WINKEL I / I  
COTOVELO RADIO LARGO H/H  
CURVA LUNGA F/F

### LONG SWEEP BEND F/F

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



COURBE A GRAND RAYON F/F 45°  
CURVA RADIO LARGO H/H 45°  
LANGES WINKEL I / I 45°  
COTOVELO RADIO LARGO H/H 45°  
CURVA LUNGA F/F 45°

### LONG SWEEP BEND F/F 45°

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





## ITEMS TO SUPPORT THE INSTALLATION



COUDE F/F 90°  
CODO H/H 90°  
WINKEL I / I 90°  
COTOVELO H/H 90°  
CURVA F/F 90°

### 90 ELBOW F/F 90°

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



COUDE M/F 90°  
CODO M/H 90°  
WINKEL A / I 90°  
COTOVELO M/H 90°  
CURVA M/F 90°

### ELBOW M/F 90°

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



TÉ  
TE  
T-STÜCK  
TÊ  
TEE

### TEE

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

## ITEMS TO SUPPORT THE INSTALLATION



TÉ REDUITE  
TE REDUCIDA  
REDUZIERTES T-STÜCK  
TÊ REDUITA  
TEE RIDOTTA

### REDUCING TEE

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



TÉ CINTRÉ  
TE CURVA  
T-STÜCK MIT WINKEL  
TÊ COM COTOVELO  
TEE A UNA CURVA

### PITCHER TEE

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



MANCHON  
MANGUITO  
MUFFE  
UNIÃO  
MANICOTTO

### SOCKET

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



## ITEMS TO SUPPORT THE INSTALLATION



MAMELON  
ROSCA DOBLE  
ZWEIGÄNGIGES NIPPEL  
ROSCA DUPLA  
NIPPLO DOPPIO

### HEXAGON NIPPLE

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



BOUCHON  
TAPÓN  
ANSCHLUSS  
TAMPA  
TAPPO CON BORDO

### PLUG

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



BOUCHON FEMELLE  
TAPA  
KAPPE  
CALOTE  
CALOTTA

### CAP

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

## ITEMS TO SUPPORT THE INSTALLATION



MANCHON UNION Á JOINT CONIQUE  
UNIÓN ASIENTO CÓNICO  
UNION MIT KONISCHEN SCHEIBEN  
UNIÃO COM SEDE CONICA  
BOCCHETTONE A SEDE CONICA

### UNION, TAPER SEAT

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



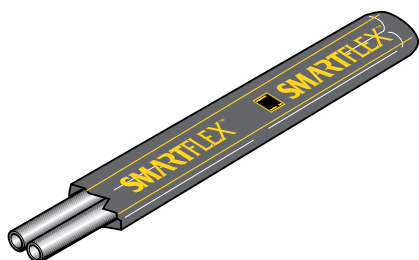
MANCHON UNION Á JOINT PLAT  
UNIÓN ASIENTO PLANO  
UNION MIT EBENEN SCHEIBEN  
UNIÃO COM SEDE PLANA  
BOCCHETTONE A SEDE PIANA

### UNION, FLAT SEAT

Code	Ø	Notes
19S31005007	1 1/2"	
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 - JEDES PACKSTÜCK ENTHÄLT DIE FOLGENDE STANGEN  
 BARRAS: PESO E MEDIDAS - CADA EMBALAGEM CONTEM EL SIGUIENTE 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, TSMABD, TSMAS	Red/rouge/rojo/rot/vermelho/rosso	NV, VR, FL, PC, PS
Smartflex	TSM, TSMAD, TSMAS, TSMASUREA	Green/vert/verde/grün/verde	NV, VR, FL, PC, PS, SC
Smartflex	TSM, TSMAD	Yellow/jaune/amarillo/gelb/amarelo/giallo	NV, VR, FL
Smartflex	TSM, TSMAD	Silver/argent/plata/silber/prata/argento	NV, VR, FL, PC, PS
SuperSmartflex	TSMAXP, TSMAXPD	Yellow/jaune/amarillo/gelb/amarelo/giallo	NV, VR, PS

PS - Primary-Secondary/Primaire-Secondaire/Primario-Secondario/Primär-Sekundär/Primário-Secundário/Primario-Secondario

PC - Primary Carrier/ Primaire/Primario/Primär/Primário/Primario

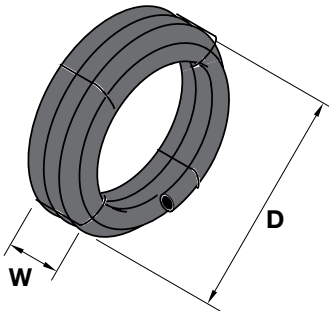
SC - Secondary Containment/Secondaire/Secondario/Sekundär/Sekundário/Secondario

NV - Normal Vent/Event/Ventéo/Entlüftung/Respiro/Equilibrio

VR - Vapor Recovery/ Récupération de Vapeurs/Recuperación de Vapores/Gaspendelung/Linha de Vapor/Recupero Vapori

FL - Filling Lines/Dépotage/Llenado/Füllung/Descarga/Carico

# PACKAGING



COURONNES: POIDS ET DIMENSIONS

ROLLOS: PESO Y DIMENSIONES

ROLLEN: GEWICHT UND GRÖSSE

BOBINAS: PESO E MEDIDAS

ROTOLI: PESO E DIMENSIONI

## COILS: SIZE AND WEIGHT

Code	L m (ft.)	W cm (in.)	D cm (in.)	Weight Kg (lbs. )
Single wall pipe, 32mm OD	75 (246)	26 (10)	125 (53)	27 (59)
Single wall pipe, 40mm OD	75 (246)	21 (8)	140 (54)	37 (81)
Single wall pipe, 50mm OD	50 (164)	26 (10)	130 (50)	36 (79)
Single wall pipe, 50mm OD	75 (246)	26 (10)	140 (54)	54 (119)
Single wall pipe, 50mm OD	150 (492)	26 (10)	160 (62)	107 (235)
Single wall pipe, 63mm OD	50 (164)	35 (13)	165 (64)	55 (121)
Single wall pipe, 63mm OD	75 (246)	35 (13)	175 (68)	82 (180)
Single wall pipe, 63mm OD	150 (492)	35 (13)	200 (78)	164 (361)
Single wall pipe, 90mm OD	30 (98)	27 (11)	215 (83)	62 (136)
Single wall pipe, 90mm OD	50 (164)	36 (14)	220 (85)	104 (229)
Double wall pipe, 50mm OD	75 (246)	35 (13)	175 (68)	87 (191)
Double wall pipe, 63mm OD	75 (246)	35 (13)	220 (85)	129 (284)



## 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

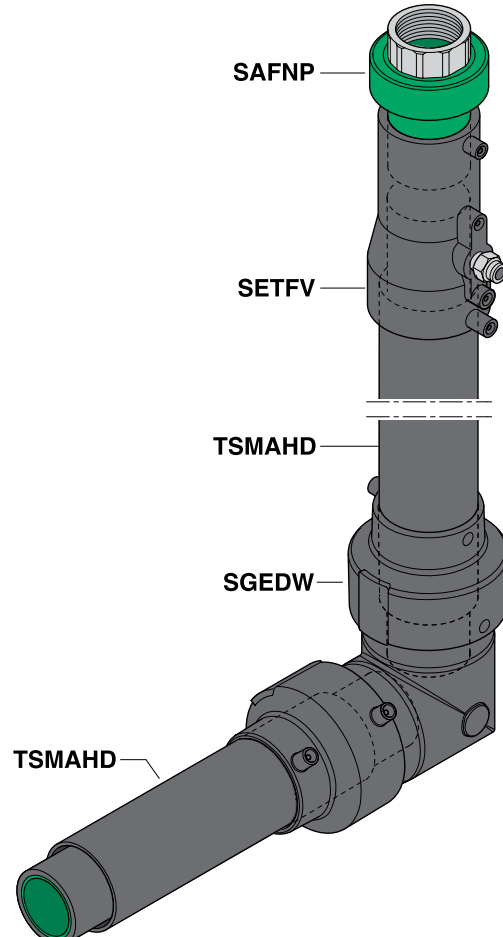
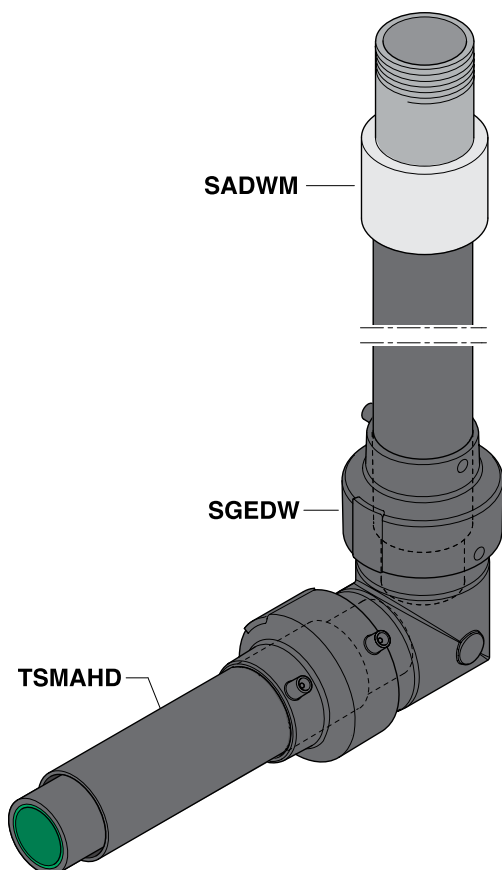
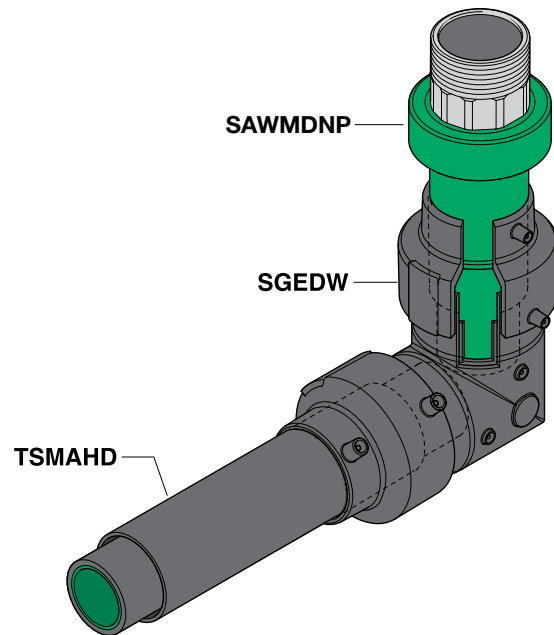
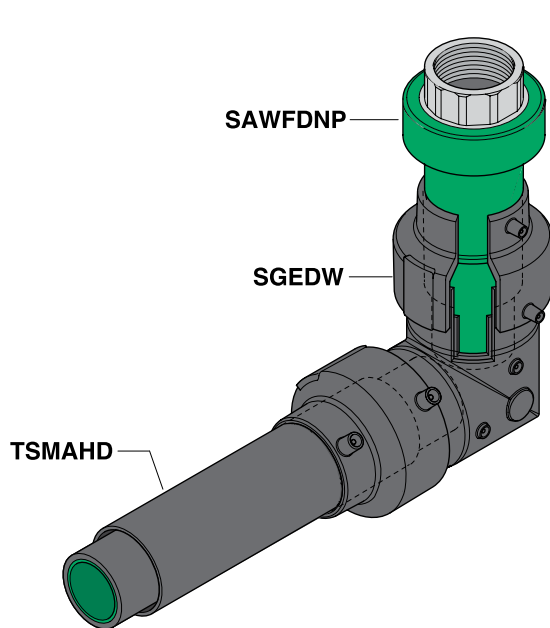
To go from	To		To go from	To	
mm	in	Divide by 25.4	in	mm	Multiply by 25.4
m	ft.	Multiply by 3.281	ft.	m	Multiply by 0.305
m <sup>2</sup>	sq. ft.	Multiply by 10.76	sq. ft.	m <sup>2</sup>	Multiply by 0.093
m <sup>3</sup>	cu. ft.	Multiply by 35.31	cu. ft.	m <sup>3</sup>	Multiply by 0.028
l	US gal.	Multiply 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	1 1/4
50	1 1/2
63	2
75	2 1/2
90	3
110	4
125	5
160	6
225	9

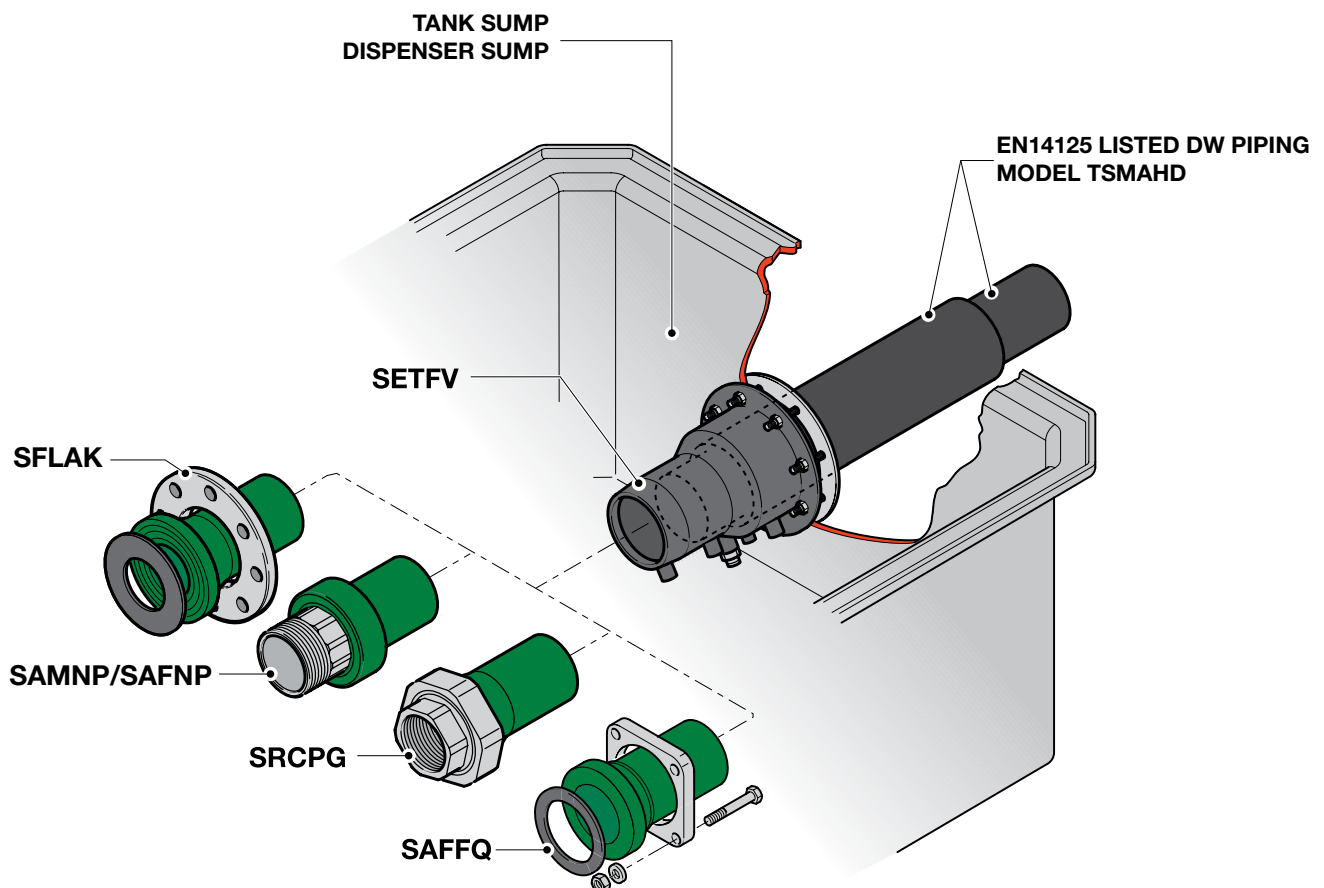
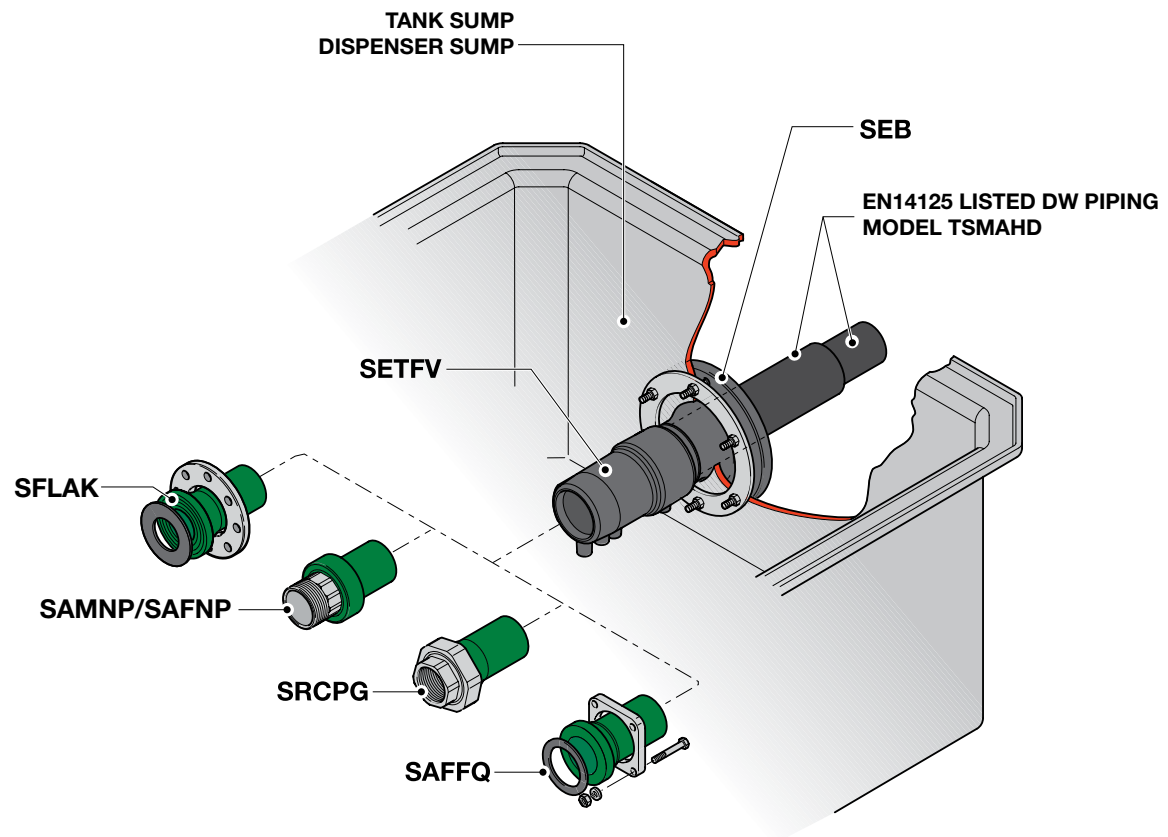


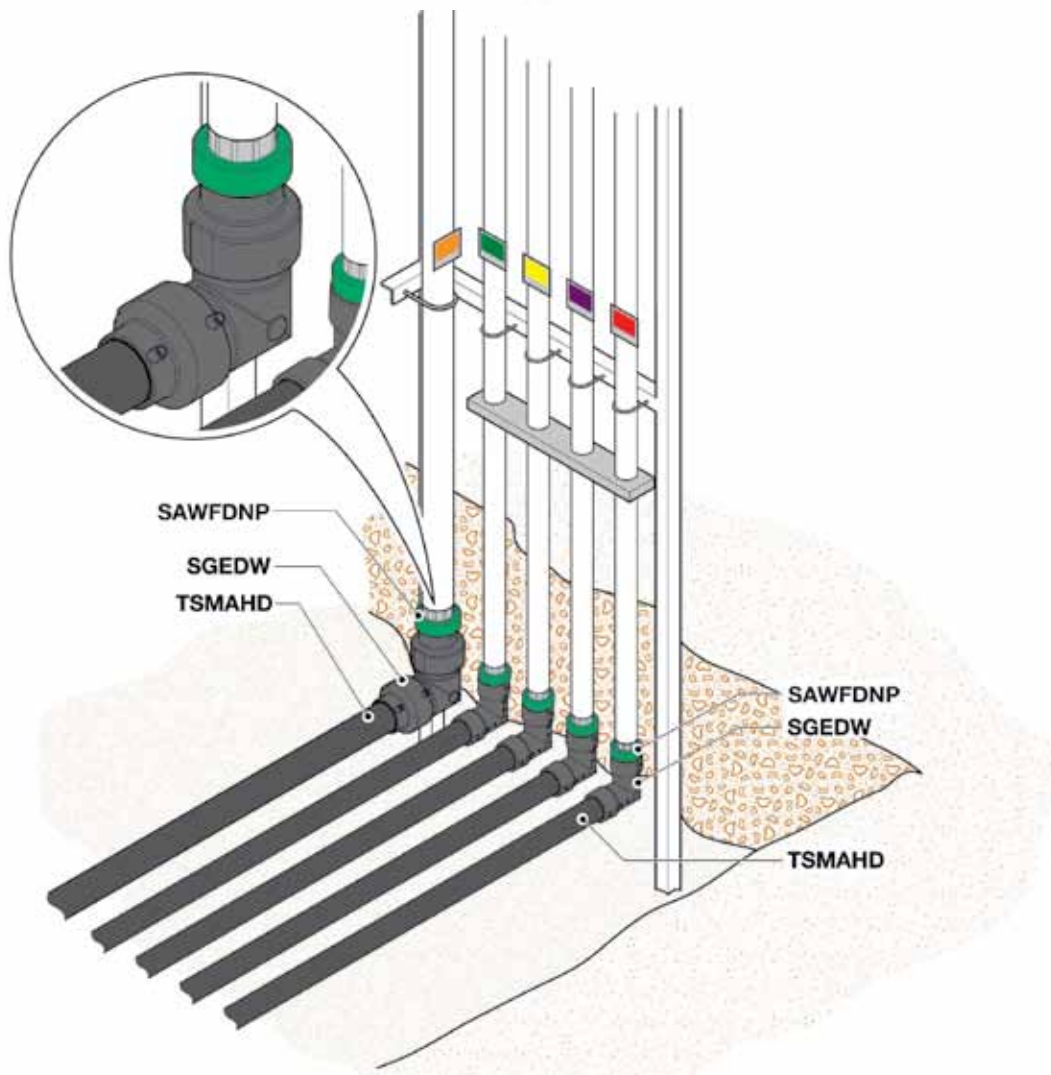
# INSTALLATION EXAMPLES



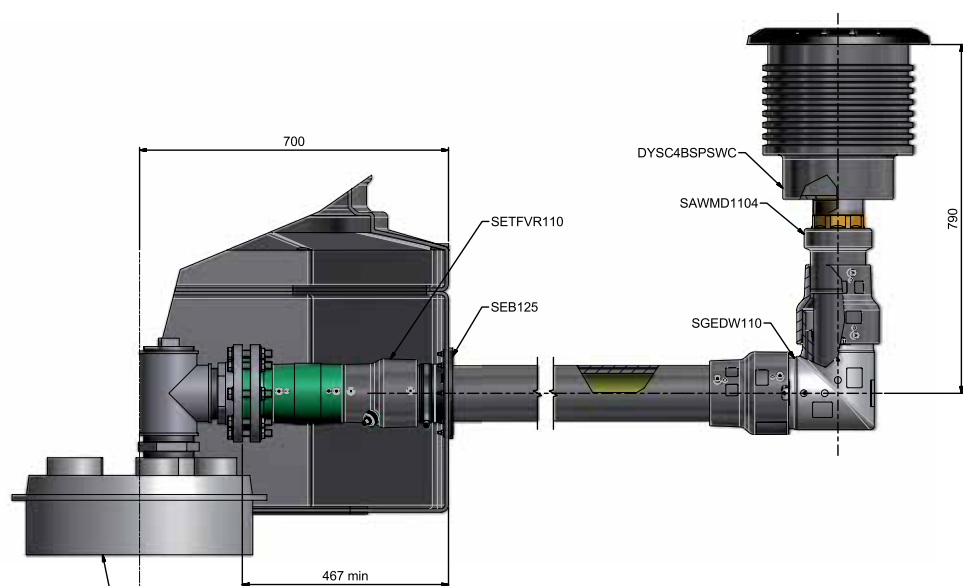


## INSTALLATION EXAMPLES

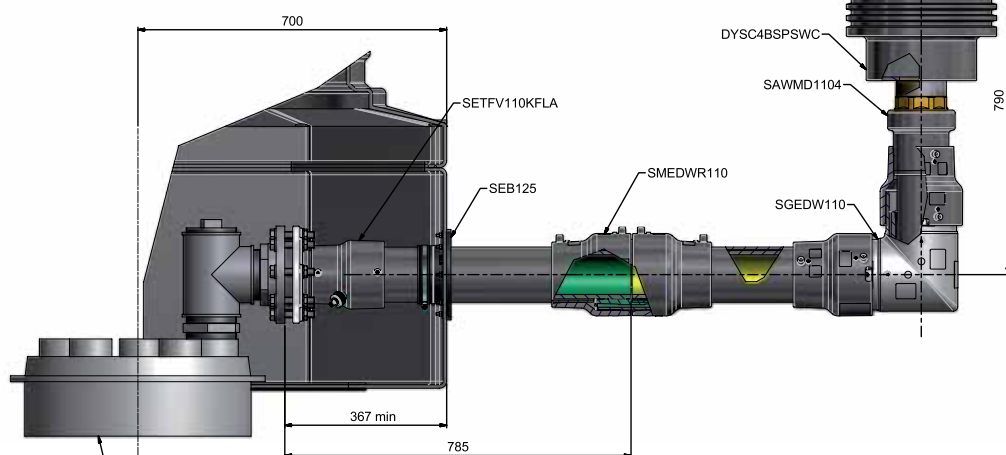




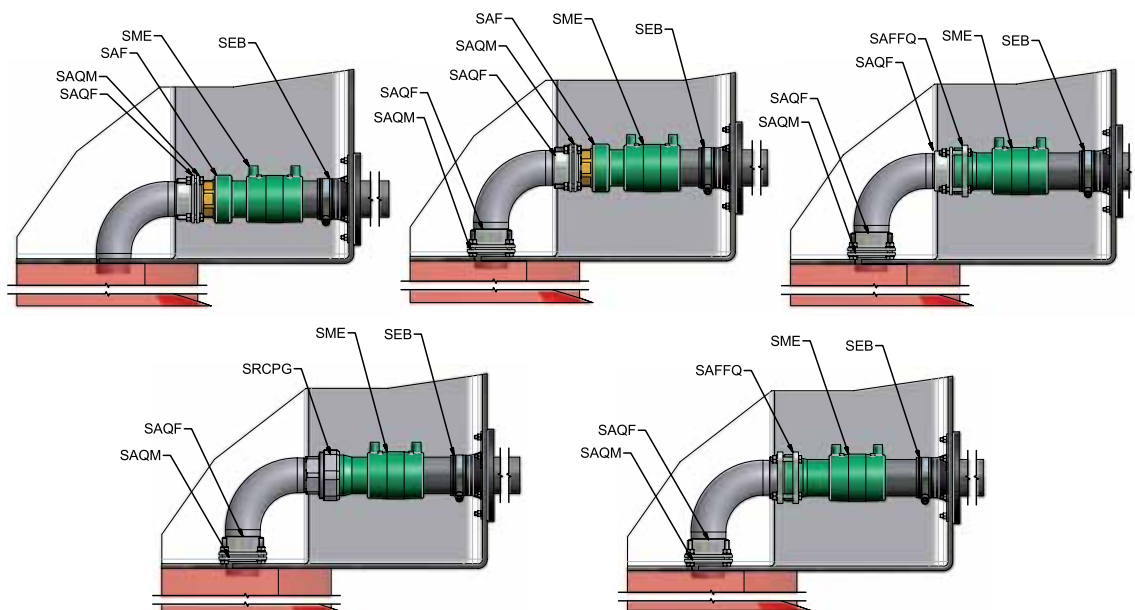
# INSTALLATION EXAMPLES



Type RL BH500  
- 2x4" - 4x3" -



Type RL BH500  
- 2x4" - 4x3" -



# 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 NUPIGECO 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 NUPIGECO 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 2%, until such invoice amounts, and accrued previously unpaid interest, have been paid in full. All prices on any document or correspondence issued by NUPIGECO 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 NUPIGECO in Castel Guelfo di Bologna, 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 NUPIGECO. While NUPIGECO 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 NUPIGECO be interpreted to (i) constitute NUPIGECO’s 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 NUPIGECO in the event of NUPIGECO’s delayed performance under this agreement or in connection with the delayed shipment, or delivery, of the products.

## 4 RESERVATION OF SECURITY INTEREST

NUPIGECO hereby reserves a purchase money security interest in the products provided hereunder, or any other agreement between purchaser and NUPIGECO, 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 NUPIGECO 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 NUPIGECO.

In the event of purchaser’s payment default, NUPIGECO 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 NUPIGECO’s option, constitute an event of default under any other agreement to which purchaser and NUPIGECO are parties.

## 5 ORDER ACCEPTANCE

No order from a purchaser shall become binding upon NUPIGECO unless expressly accepted, and confirmed, in writing by NUPIGECO, 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 NUPIGECO unless approved and confirmed, in writing, by NUPIGECO.

## 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 NUPIGECO must be in writing, and received by NUPIGECO 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, NUPIGECO guarantees that the products comply with the technical specifications stipulated in the order confirmation, and the technical specifications published by NUPIGECO 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 NUPIGECO and whose work complies in all respects with the specifications and installation standards promulgated by NUPIGECO. 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 NUPIGECO 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

NUPIGECO 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) year from the date of sale; provided that such products are properly installed in accordance with NUPIGECO's specifications and published instructions by qualified installers who have been trained and certified by NUPIGECO. 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 NUPIGECO; or (iii) are installed in a manner which fails to comply with NUPIGECO's written installation instructions.

AS THE SOLE AND EXCLUSIVE REMEDY FOR ANY BREACH OF THE LIMITED WARRANTIES SET FORTH ABOVE, NUPIGECO 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 NUPIGECO, WHETHER ALLEGED TO HAVE ARISEN BY AGREEMENT OR BY OPERATION OF LAW, RESPECTING THE SALE, INSTALLATION, USE OR FUNCTION OF NUPIGECO'S PRODUCTS, INCLUDING, WITHOUT LIMITATION, CLAIMS OF NEGLIGENCE, GROSS NEGLIGENCE, STRICT LIABILITY OR ANY OTHER TORT. IN NO EVENT SHALL NUPIGECO 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 NUPIGECO 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 NUPIGECO unless:

- \* NUPIGECO authorizes the return of the products in writing;

- \* The products are returned to such address specified by NUPIGECO 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 NUPIGECO 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.

[illegible]







I materiali metallo-plastici vanno smaltiti attraverso ditte autorizzate. Non disperdere questo materiale nell'ambiente.



**Production, Operations and  
Administration Centre**

via dell'Artigianato 13  
40023 Castel Guelfo (BO)  
Italy  
ph. +39 0542 624911  
fax +39 0542 670851  
info@nupigeco.com  
www.nupigeco.com

**Registered Office and  
Headquarters**

via Stefano Ferrario  
21052 Busto Arsizio (VA)  
Italy  
ph. +39 0331 344211  
fax +39 0331 351860  
info@nupigeco.com  
www.nupigeco.com

**U.S.A. Subsidiary  
Nupi Americas, Inc.**  
1511 Superior Way,  
Houston - TX 77039 - U.S.A.  
Phone ++1 281 590 4471  
Fax ++1 281 590 5268  
info@nupiamericas.com  
www.nupiamericas.com

**Production Facility**

via Colombarotto 58  
40026 Imola (BO)  
Italy  
ph. +39 0542 624911  
fax +39 0542 670851  
info@nupigeco.com  
www.nupigeco.com

