

# Underground Drainage and Sewage System

**REDI**



3.0 UGD & SEWAGE

EN 1401 Push-Fit PVC-U Fittings  
PVC-U and PP Inspection Chambers  
PVC-U Trap Interceptors

  
**aliaxis**

## A complete range of fittings for underground drainage

Aliaxis offers a complete set of waste water drainage solutions starting from Phonoblock soundproof soil and waste system within the building structure (above ground drainage) up to the building-around system for non-pressure underground drainage and main public sewerage connections.

Aliaxis fittings and accessory equipments are completely certified by several European standards institutes, allowing the project design of drainage systems compliant to the local building regulations.

Aliaxis provides easy-to-install, strength and reliable solutions focused on building long-lasting systems installations.

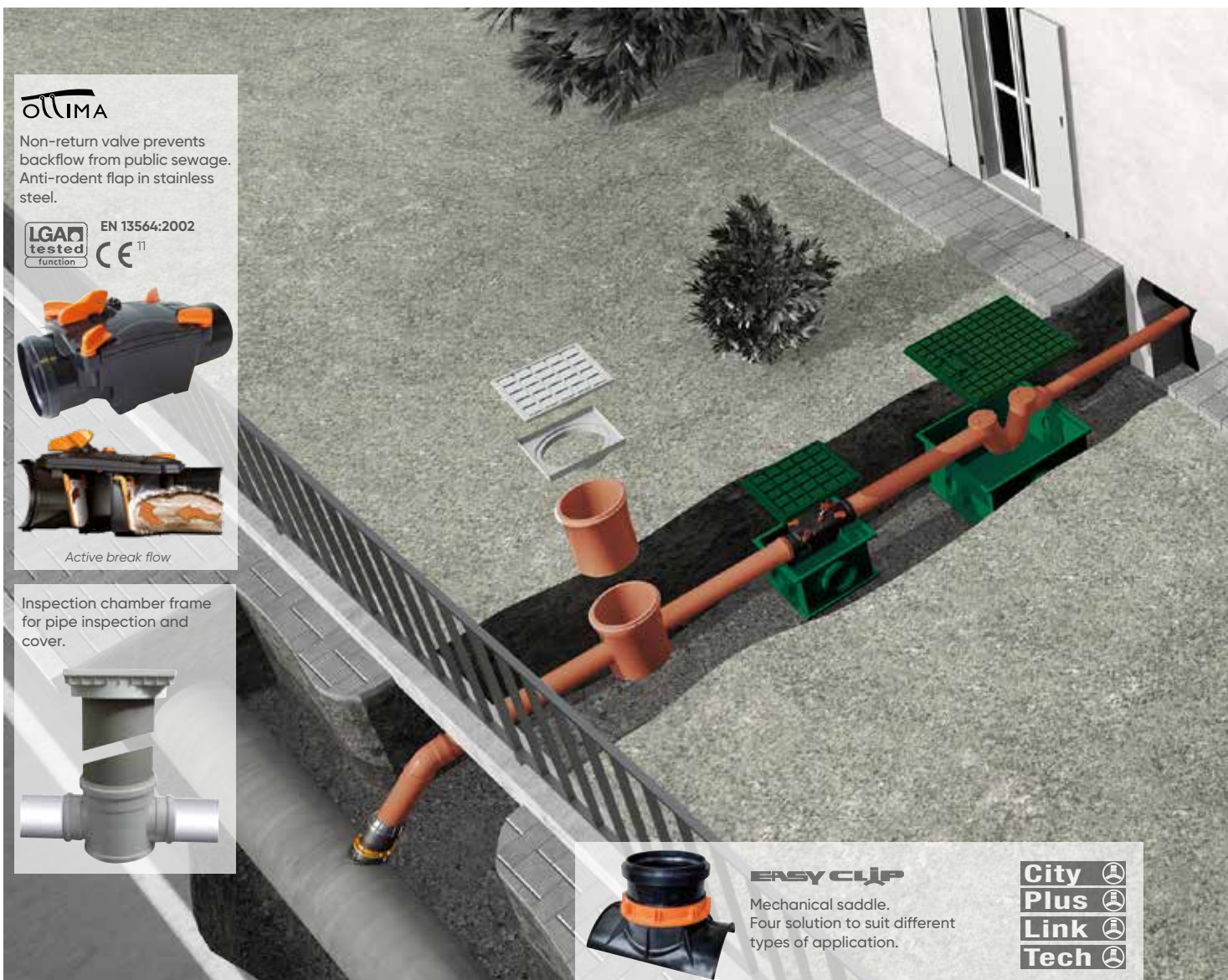
Product specifications, technical data sheets, CAD drawings and updated certifications, technical are available on our website [www.aliaxis.it](http://www.aliaxis.it)

### Certifications

- Sizes	<b>EN1401</b>
- Shock resistance	<b>EN12061</b>
- Mechanical stress resistance (Fabricated or thermoformed fittings)	<b>EN12256</b>
- Vicat softening temperature	<b>EN727</b>
- Heating effects	<b>EN580</b>
- Water tightness (Fabricated or thermoformed fittings)	<b>EN1053</b>
- Elastomeric sealing tightness* * (With diametrical elastic failure and angular bending under the following conditions +0,05 bar, +0,5 bar, -0,3 bar)	<b>EN1277</b>
- High temperature cycle	<b>EN1055</b>
- Pressure Strength	<b>EN1167</b>
- Lip Ring	<b>EN 681</b>

### Installation tips

It is suggested to always chamfer the previously cut pipe and lubricate all plain ended spigots for an easily push-fit insert. All Ø110 fittings are SN8 – SDR34



**Certification: Underground sewage fittings**



IIP: EN1401



BSI: EN1401



Ö Norm: EN1401



BENOR: EN1401



MPA: EN1401



AFNOR-CSTB:  
ANF EN1401



KIWA-KOMO:  
EN1401

**Certification: Lip Ring**



**MPS NRW**  
Standard nr.  
220000032 04-02-1b  
DIN 4060



**BSI**  
Standard nr. KM 51718  
BS EN 681-1

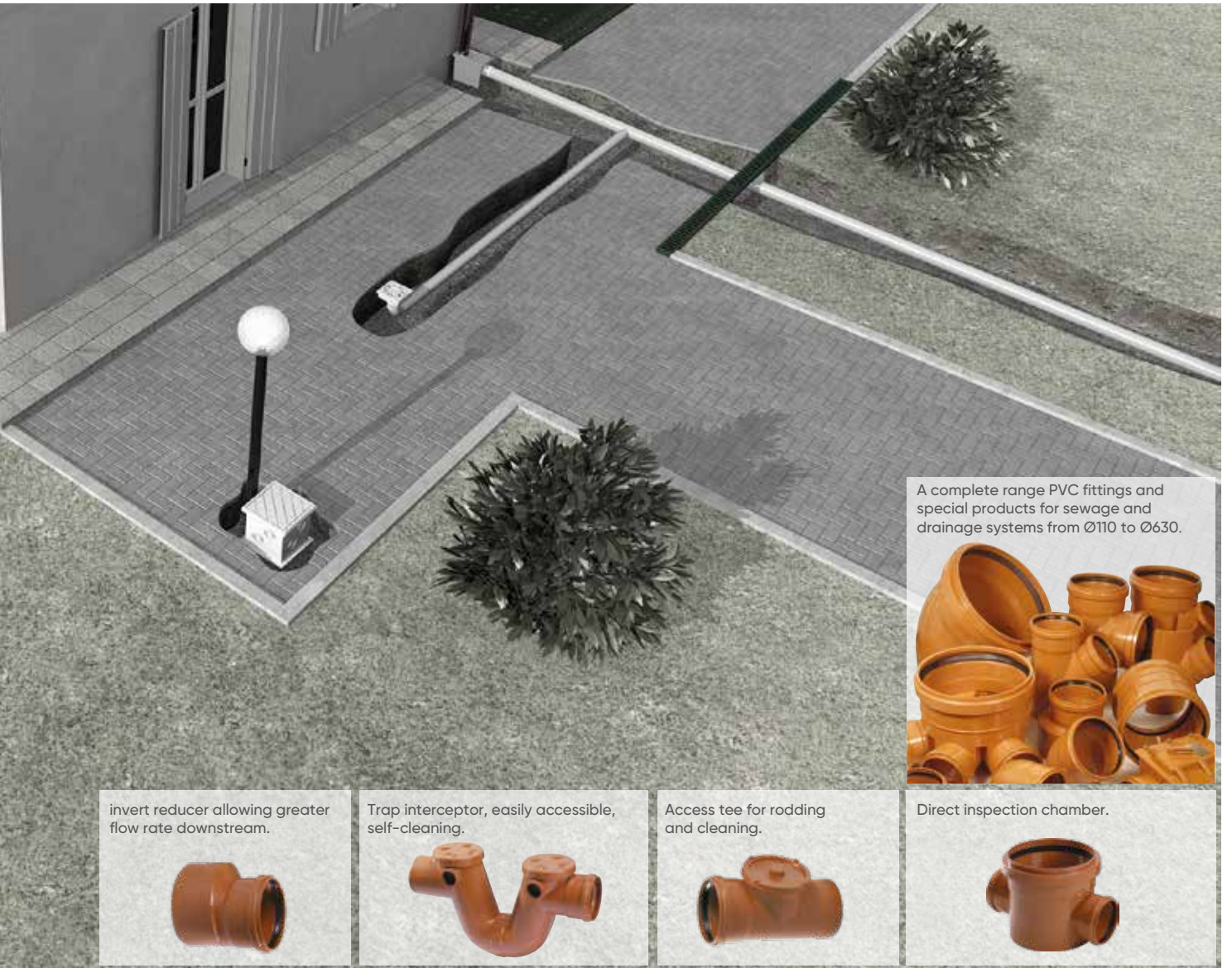


**KIWA KOMO**  
Standard nr. K4195/06  
Type rubbe SBR ss-p-60-00

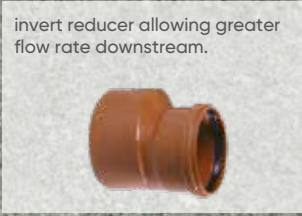


**DNV Det Norske Veritas**  
Certification Licence  
Standard n.  
112.929.01-01E SS-EN 681-1  
Type test report:  
SP report No. 98K12514  
A-C, 98K 12558, 99K12583,  
99K12604, F020847C, F101033

The list of the correspondence between these Certificates of Conformity and the complete range of products described is available upon request.



A complete range PVC fittings and special products for sewage and drainage systems from Ø110 to Ø630.



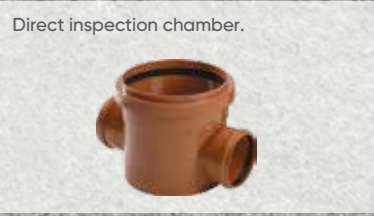
Invert reducer allowing greater flow rate downstream.



Trap interceptor, easily accessible, self-cleaning.



Access tee for rodding and cleaning.



Direct inspection chamber.

## Product Specifications

### Underground Drainage and Sewage Fittings

REDI fittings are made of PVC-U for non-pressure underground drainage and sewage applications. Nominal ring Stiffness (SN) and Standard Dimension Ratio (SDR) are specified in this technical handbook according and compliant to the EN1401 and certified by several qualified standards institutes. Product range starts from Ø110 up to Ø630 push-fit jointing fittings (Socket/Spigot) with lip-sealing rings. The gaskets are compliant to the EN681-1 and certified by a standards institute.

The standard type marking for fittings :

- Manufacturer's name
- Quality Mark by third part certification (IIP, MPA etc.)
- EN1401 product norm
- Application area code ("U" or "UD")
- Nominal size
- Nominal angle
- SN or SDR

### Inspection Chambers

Injected molded inspection chambers made of PVC-U or PP are designed to fit with piping systems connections according to EN1401 product norm. Elastomer lip seal ring jointing type is compliant to EN681-1 and DIN4060 standards.

The semi-circular smooth chamber base allows the stream continuity and prevents solid sediments even in low flow rate conditions. The chamber may be connected to a riser stack up to the surface ground level. The telescopic part admit the ground subsidences that might occur after installation or later height of the chamber adjustments.

The cover must be according to the specifications (material, loading class, locking devices).

### Trap interceptors

Injected molded inspection sewage traps made of PVC-U are designed to fit with piping systems connections according to EN1329 and EN1401 product norm.

The gaskets are compliant to the EN681-1 and certified by a standards institute.

This trap interceptor must have the following technical features:

- No hand welding, only solvent welded or push-fit lip seal gasket jointing type
- Optimal hydraulic sealing (3/10 minimum diameter ratio) to avoid the passage of bad gas and smells
- 1 or 2 access screwed plugs
- Vent inlets for sewage gases relief, oxygen admittance to let the aerobic sewage digestion and trap water seal maintenance.

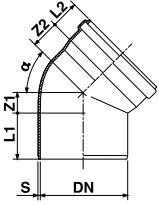
The environmental system of suppliers has been certified according to ISO 14001 international standard as purchases condition.

The quality system of suppliers has been certified according to ISO 9001 international standard





SN8 - SDR34



### Bend S/S

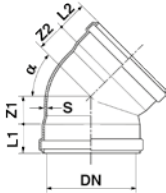
#### Coude M/F - Codo M/H

DN	$\alpha$	S	Z1	Z2	L1	L2	Reference RAL 7037 Grey			Note
125	45°	3,7	29	40	68	56	0702242*	25	200	<b>SN8 SDR34</b>
160	15°	4,7	14	28	82	72	0101742	15	120	<b>SN8 SDR34</b>
160	45°	4,7	37	51	80	66	0701542	10	80	<b>SN8 SDR34</b>

\*upon request Fixed Ring



SN8 - SDR34



### Bend D/S

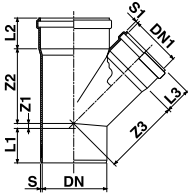
#### Coude F/F - Codo H/H

DN (mm)	$\alpha$	S (mm)	Z1 (mm)	Z2 (mm)	L1 (mm)	L2 (mm)	Reference RAL 7037 Grey			Note
125	45°	3,7	43	43	62	62	0232242	20	160	<b>SN8 SDR34</b>
160	15°	4,7	28	28	73	73	0211742	12	96	<b>SN8 SDR34</b>
160	45°	4,7	49	49	73	73	0231542	10	80	<b>SN8 SDR34</b>

Fixed Ring



SN8 - SDR34



### Branch 45° S/S

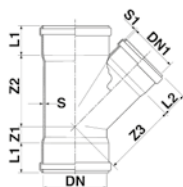
#### Culotte 45° M/F - Derivación 45° M/H

DN (mm)	DN1 (mm)	S (mm)	S1 (mm)	Z1 (mm)	Z2 (mm)	Z3 (mm)	L1 (mm)	L2 (mm)	L3 (mm)	Reference RAL 7037 Grey			Note
160	125	4,7	3,7	12	180	185	83	74	62	0313442*	6	48	<b>SN8 SDR34</b>

\*upon request Fixed Ring



SN8 - SDR34

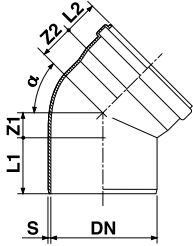


### Branch 45° D/S

#### Culotte 45° F/F - Derivación 45° H/H

DN (mm)	DN1 (mm)	S (mm)	S1 (mm)	Z1 (mm)	Z2 (mm)	Z3 (mm)	L1 (mm)	L3 (mm)	Reference RAL 7037 Grey			Note
160	125	4,7	3,7	41	180	185	74	62	0311932	6	48	<b>SN8 SDR34</b>
200	125	5,9	3,7	54	228	232	86	74	0313932	4	32	<b>SN8 SDR34</b>
200	160	5,9	3,7	54	228	232	86	74	0312232	1	25	<b>SN8 SDR34</b>

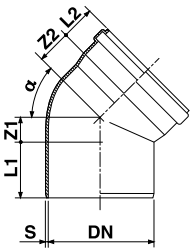
Fixed Ring

**Bend 15° S/S****Coude 15° M/F - Codo 15° M/H**

DN (mm)	S (mm)	Z1 (mm)	Z2 (mm)	L1 (mm)	L2 (mm)	Reference RAL 7037 Grey (Fixed Ring Lip Ring)	Reference RAL 8023 Red Lip Ring			Note
110	3.2	9	22	62	50	0101142 •	010115E	40	320	
125	3.2	10	22	68	63	0101242 •	010125E	25	200	
160	4.0	14	28	82	72	0101642 •	010165E	13	104	
200	4.9	18	35	100	86	0102042 •	010205E	8	64	
250	6.2	19	40	134	103	0102552	0102591	1	36	
315	7.7	23	52	144	120	0103052	0103091	1	18	
400	9.8	83	80	175	175	1104052	1104091	1	10	
500	12.2	150	160	160	250	-	N105091* ♦	1	3	
630	-	-	-	-	-	-	N106391* ♦	1	1	

\*upon request

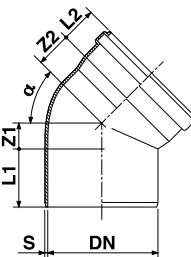
Fixed Ring Lip Ring Fabricated SN8 SDR34

**Bend 30° S/S****Coude 30° M/F - Codo 30° M/H**

DN (mm)	S (mm)	Z1 (mm)	Z2 (mm)	L1 (mm)	L2 (mm)	Reference RAL 7037 Grey (Fixed Ring Lip Ring)	Reference RAL 8023 Red Lip Ring			Note
110	3.2	17	29	61	50	0111142 •	011115E	40	320	
125	3.2	19	29	68	62	0111242 •	011125E	25	200	
160	4.0	25	40	82	72	0111642 •	011165E	13	104	
200	4.9	30	49	100	86	0112042 •	011205E	1	60	
250	6.2	37	59	134	103	0112552	0112591	1	33	
315	7.7	47	74	144	118	0113052	0113091	1	18	
400	9.8	65	98	165	140	1114052	1114091	1	8	
500	12.2	165	230	160	250	-	N115091* ♦	1	3	
630	-	-	-	-	-	-	N116391* ♦	1	1	

\*upon request

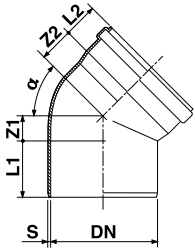
Fixed Ring Lip Ring Fabricated SN8 SDR34

**Bend 45° S/S****Coude 45° M/F - Codo 45° M/H**

DN (mm)	S (mm)	Z1 (mm)	Z2 (mm)	L1 (mm)	L2 (mm)	Reference RAL 7037 Grey (Fixed Ring Lip Ring)	Reference RAL 8023 Red Lip Ring			Note
110	3.2	27	36	58	50	0121142 •	012115E	35	280	
125	3.2	29	40	68	56	0701242 •	070125E	23	184	
160	4.0	37	51	80	66	0701642 •	070165E	10	80	
200	4.9	46	64	100	84	0702042 •	070205E	5	40	
250	6.2	58	79	125	96	0122552	0122591	1	27	
315	7.7	73	100	144	118	0123052	0123091	1	14	
400	9.8	91	126	165	140	1124052	1124091	1	7	
500	9.8	103	152	160	150	1125052	1125091	1	4	
630	-	-	-	-	-	-	N126391* ♦	1	1	

\*upon request

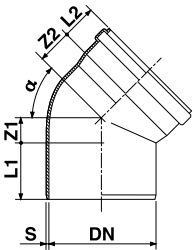
Fixed Ring Lip Ring Fabricated SN8 SDR34



**Bend 67°30' S/S**  
**Coude 67°30' M/F - Codo 67°30' M/H**

DN (mm)	S (mm)	Z1 (mm)	Z2 (mm)	L1 (mm)	L2 (mm)	Reference RAL 7037 Grey	Reference RAL 8023 Red			Note
110	3.2	41	53	62	56	0131142	013115E	30	240	
125	3.2	46	60	69	62	0131242	013125E	20	160	
160	4.0	60	74	82	74	0131642	013165E	10	80	
200	4.9	73	88	100	86	0132042	013205E	5	40	

Fixed Ring Lip Ring SN8 SDR34

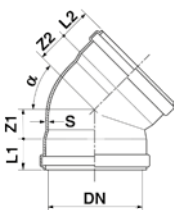


**Bend 87°30' S/S**  
**Coude 87°30' M/F - Codo 87°30' M/H**

DN (mm)	S (mm)	Z1 (mm)	Z2 (mm)	L1 (mm)	L2 (mm)	Reference RAL 7037 Grey	Reference RAL 8023 Red			Note
110	3.2	59	69	58	50	0711142 •	071115E	25	200	
125	3.2	65	77	67	56	0711242 •	071125E	20	160	
160	4.0	84	96	80	66	0711642 •	071165E	10	80	
200	4.9	105	122	100	85	0712042 •	071205E	1	40	
250	6.2	132	154	136	103	0142552	0142591	1	20	
315	7.7	166	192	144	114	0143052	0143091	1	10	
400	9.8	211	244	160	140	1144052	1144091	1	6	
500	9.8	380	430	160	150	1145052 ♦	1145091* ♦	1	2	
630	-	-	-	-	-	-	N146391* ♦	1	1	

\*upon request

Fixed Ring Lip Ring Fabricated SN8 SDR34

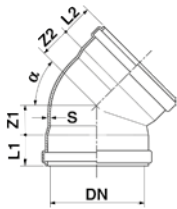


**Bend 15° D/S**  
**Coude 15° F/F - Codo 15° H/H**

DN (mm)	S (mm)	Z1 (mm)	Z2 (mm)	L1 (mm)	L2 (mm)	Reference RAL 7037 Grey	Reference RAL 8023 Red			Note
110	3.2	20	20	56	56	0211342	0211341	35	280	
160	4.0	28	28	73	73	0211642	0211641	12	96	
200	4.9	33	33	82	86	1102142	1102141*	6	48	
250	6.2	64	42	101	101	1102242*	1102241*	1	33	
315	7.7	73	52	116	116	1103342*	1103341*	1	16	
400	9.8	52	70	133	142	1104452*	-	1	8	

\*upon request

Fixed Ring SN8 SDR34

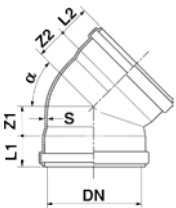


### Bend 30° D/S Coude 30° F/F - Codo 30° H/H

DN (mm)	S (mm)	Z1 (mm)	Z2 (mm)	L1 (mm)	L2 (mm)	Reference RAL 7037 Grey	Reference RAL 8023 Red		
▶ 110	3.2	27	27	56	56	0221342	0221341	30	240
160	4.0	40	40	74	74	0221642	0221641	10	80
200	4.9	48	48	82	86	1112142	1112141*	5	40
250	6.2	81	61	101	101	1112242	-	1	27
315	7.7	88	75	116	116	1113342	-	1	12
400	9.8	80	100	133	142	1114452*	-	1	6

\*upon request

Fixed Ring SN8 SDR34

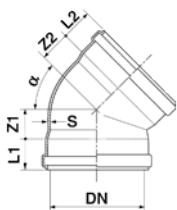


### Bend 45° D/S Coude 45° F/F - Codo 45° H/H

DN (mm)	S (mm)	Z1 (mm)	Z2 (mm)	L1 (mm)	L2 (mm)	Reference RAL 7037 Grey	Reference RAL 8023 Red		
▶ 110	3.2	37	37	50	50	0231142	023115E	30	240
125	3.7	43	43	62	62	0231242	-	20	160
160	4.0	49	49	73	73	0231642	0231641	10	80
200	4.9	65	65	85	85	0232042	0232041	5	40
250	6.2	79	79	101	101	1232542	1232541	1	27
315	7.7	100	100	116	116	1233042	1233041	1	12
400	9.8	110	125	133	142	1234052	1234051*	1	6

\*upon request

Fixed Ring SN8 SDR34



### Bend 87°30' D/S Coude 87°30' F/F - Codo 87°30' H/H

DN (mm)	S (mm)	Z1 (mm)	Z2 (mm)	L1 (mm)	L2 (mm)	Reference RAL 7037 Grey	Reference RAL 8023 Red		
▶ 110	3.2	70	70	50	50	0241342	024135E	25	200
125	3.2	77	77	57	57	0241242	-	18	144
160	4.0	124	124	78	78	0241642	0241641	8	64
200	4.9	124	124	85	85	0242142	0242141	4	32
250	6.2	154	154	101	101	1242542	1242541	1	20
315	7.7	192	192	116	116	1243042	1243041	1	10
400	9.8	220	245	133	142	1244052	1244051	1	5

Fixed Ring SN8 SDR34

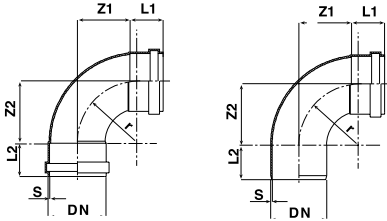




**Long radius bend 87°30'**  
**Coude grand rayon 87°30' - Codo largo radio 87°30'**

DN (mm)	α	S (mm)	Z1 (mm)	Z2 (mm)	L1 (mm)	L2 (mm)	r (mm)	Reference RAL 7037 Grey	Reference RAL 8023 Red		
▶ 110	M/F	3.2	106	115	58	65	142	-	074115E	20	160
▶ 110	F/F	3.2	106	106	58	58	142	-	024115E	20	160

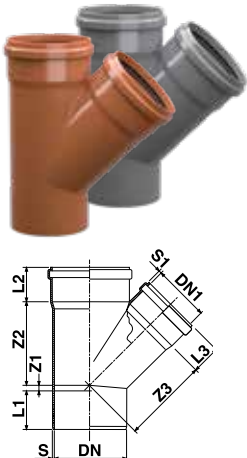
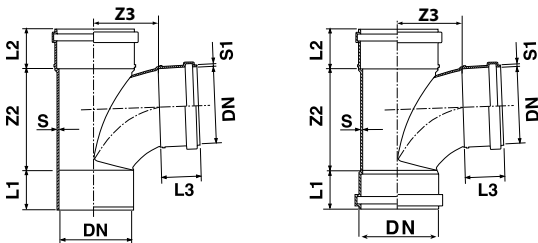
Lip Ring SDR34



**Long radius Branch 87°30'**  
**Culotte grand rayon 87°30' - Derivación de largo radio 87° 30'**

DN (mm)	Type	S (mm)	S1 (mm)	Z2 (mm)	L1 (mm)	L2 (mm)	L3 (mm)	Reference RAL 7037 Grey	Reference RAL 8023 Red		
▶ 110	F/F	3.2	2.9	146	62	57.5	57.5	0451342	045135E	15	120
▶ 110	M/F	3.2	2.9	146	62	57.5	57.5	-	089135E	15	120

Fixed Ring Lip Ring SDR34

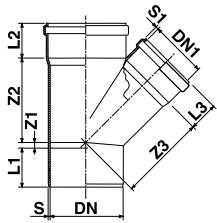


**Branch 45° D/S**  
**Culotte 45° M/F - Derivación 45° M/H**

DN (mm)	DN1 (mm)	S (mm)	S1 (mm)	Z1 (mm)	Z2 (mm)	Z3 (mm)	L1 (mm)	L2 (mm)	L3 (mm)	Reference RAL 7037 Grey (   )	Reference RAL 8023 Red		
▶ 110	110	3.2	-	25	140	140	60	50	50	0301142 •	030115E	15	120
125	125	3.2	-	25	160	160	70	64	64	0801242 •	080125E	10	80
160	160	4.1	-	37	201	201	81	67	67	0301642 •	030165E	4	32
200	200	4.9	-	45	256	256	100	81	81	0302042 •	0302051	1	20
250	250	6.2	-	57	311	311	134	101	101	0302552	0302591	1	12
315	315	7.7	-	73	392	392	144	114	114	1303052	1303091	1	5
400	400	9.8	-	170	510	535	165	175	170	-	N304091 ♦	1	2
500	500	12.3	-	240	665	675	200	250	255	-	N305091 * ♦	1	1
630	630	-	-	-	-	-	-	-	-	-	N306391 * ♦	1	1






\*upon request

Fixed Ring Lip Ring Fabricated SDR34



## Reduced branch 45° D/S

### Culotte embranchement 45° M/F - Derivación reducida 45° M/H

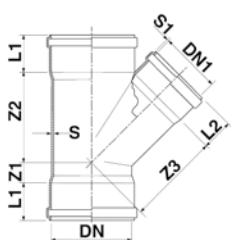
DN (mm)	DN1 (mm)	S (mm)	S1 (mm)	Z1 (mm)	Z2 (mm)	Z3 (mm)	L1 (mm)	L2 (mm)	L3 (mm)	Reference RAL 7037 Grey (  	Reference RAL 8023 Red ( 		
125	110	3.2	3.2	19	147	152	69	62	56	0319242 •	031925E	10	80
160	110	4.0	3.2	2	168	176	82	74	56	0311642 •	031165E	7	56
160	125	4.0	3.2	12	180	185	83	74	62	0313642 •	031365E	6	48
200	110	4.9	3.2	17	191	200	100	86	56	0313542	031355E	4	32
200	125	4.9	3.2	7	201	212	100	86	62	0313742 •	031375E	4	32
200	160	4.9	4.0	18	228	232	100	86	74	0312042 •	031205E	3	24
250	110	6.2	3.2	47	251	271	175	103	56	0313352* ♦	0313391 ♦	1	20
250	125	6.2	3.2	27	217	236	196	98	56	-	D313491 ♦	1	16
250	160	6.2	4.0	3	250	261	131	103	74	0314052 ♦	0314091 ♦	1	20
250	200	6.2	4.9	24	275	280	134	103	86	0314152 ♦	0314191 ♦	1	14
315	160	7.7	4.0	33	289	306	144	114	75	0314252 ♦	0314291 ♦	1	12
315	200	7.7	4.9	5	317	337	144	114	85	0314352 ♦	0314391 ♦	1	10
315	250	7.7	6.2	28	335	344	156	114	99	D314452 ♦	D314491 ♦	1	5
400	110	9.8	3.2	130	450	435	165	170	65	-	1314451 ▲	1	4
400	160	9.8	4.0	69	319	385	165	170	95	-	1316651 ▲	1	4
400	200	9.8	4.9	50	355	435	165	180	105	-	1317751 ▲	1	4
400	250	9.8	6.2	35	440	445	165	180	130	-	D314691 ♦	1	3
400	315	9.8	6.9	73	480	530	160	170	135	-	D314791 ♦	1	3
500	160	10.5	4.0	65	450	680	200	250	90	-	1315351* ▲	-	-
500	200	10.5	4.9	87	400	575	200	250	110	-	1315451* ▲	-	-
500	250	12.3	6.2	10	510	530	200	250	110	-	D314991* ♦	1	3
500	315	12.3	6.9	45	475	503	200	250	135	-	D315091* ♦	1	2
500	400	12.3	9.8	115	615	640	200	250	180	-	D315191* ♦	1	1





\*upon request

 Fixed Ring
  Lip Ring
  Fabricated
  Thermoformed

## Branch 45° T/S

### Culotte 45° F/F - Derivación 45° H/H



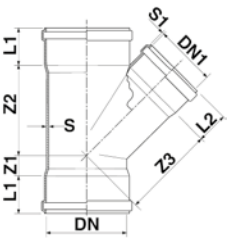
DN (mm)	DN1 (mm)	S (mm)	S1 (mm)	Z1 (mm)	Z2 (mm)	Z3 (mm)	L1 (mm)	L3 (mm)	Reference RAL 7037 Grey ( 	Reference RAL 8023 Red ( 		
▶ 110	110	3.2	3.2	37	137	137	60	60	0441142	0441141	12	96
125	125	3.2	3.2	44	160	160	64	64	0441242	0441241*	8	64
160	160	4.0	-	52	203	203	72	72	0441642	0441641	4	32
200	200	4.9	4.9	66	256	256	181	81	1442042	1442041	1	20
250	250	6.2	6.2	101	311	311	101	101	1442542	1442551	1	10
315	315	7.7	7.7	113	392	392	117	117	1443042	1443041	1	4

\*upon request

 Fixed Ring
  SN8 SDR34

### Reduced branch 45° T/S

### Culotte embranchement 45° F/F - Derivación reducida 45° H/H



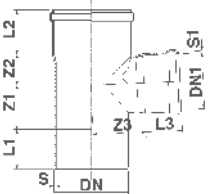
DN (mm)	DN1 (mm)	S (mm)	S1 (mm)	Z1 (mm)	Z2 (mm)	Z3 (mm)	L1 (mm)	L3 (mm)	Reference RAL 7037 Grey	Reference RAL 8023 Red		
160	110	4.0	3.2	19	169	176	73	56	0311742	0311741	6	48
160	125	4.0	3.2	41	180	185	74	62	0311832	-	6	48
200	110	4.9	3.2	5	179	195	86	62	1443142	1443141*	8	32
200	125	5.9	3.7	54	228	232	86	74	0313832	-	4	32
200	160	5.9	4.7	54	228	232	86	74	0312132	0312151	1	25
250	160	6.2	4.0	41	251	262	101	74	1444042	1444041	1	16
250	200	6.2	4.9	68	278	302	101	86	1444142	-	1	12
315	110	7.7	3.2	7	287	315	117	55	1443442*	1443451	1	10
315	125	7.7	3.2	7	287	310	117	68	1443542 ▲	-	1	10
315	160	7.7	4.0	7	287	305	117	74	1444242	1444241	1	10
315	200	7.7	4.9	35	317	338	117	86	1444342	-	1	8
315	250	-	-	-	-	-	-	-	-	1444551*	1	6
400	110	9.8	3.2	30	450	380	145	60	1444442*▲	-	1	5
400	160	9.8	3.2	30	450	410	145	90	1446642 ▲	-	1	5
400	200	9.8	3.2	30	450	430	145	100	1447742 ▲	1447741* ▲	1	4
500	110	10.5	3.2	185	360	420	180	250	* ▲	* ▲	-	-
500	125	10.5	3.2	55	510	475	165	170	* ▲	* ▲	-	-
500	160	10.5	4.0	65	450	680	200	250	* ▲	* ▲	-	-
500	200	10.5	4.9	87	400	575	200	250	* ▲	* ▲	-	-

\*upon request

Fixed Ring Thermoformed

### Branch 87°30' D/S

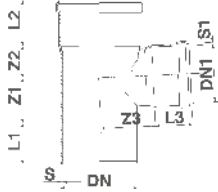
### Culotte 87°30' M/F - Derivación 87°30' M/H



DN (mm)	DN1 (mm)	S (mm)	S1 (mm)	Z1 (mm)	Z2 (mm)	Z3 (mm)	L1 (mm)	L2 (mm)	L3 (mm)	Reference RAL 7037 Grey	Reference RAL 8023 Red		
110	110	3.2	3.2	55	69	69	60	50	50	0341142 •	034115E	20	160
125	125	3.2	3.2	66	70	78	62	62	62	0811242 •	081125E	12	96
160	160	4.0	-	76	98	98	88	74	74	0811642 •	081165E	5	40
200	200	4.9	-	105	119	119	100	86	86	0812042 •	081205E	1	30
250	250	6.2	-	120	152	152	135	101	101	0342552	0342591	1	18
315	315	7.7	7.7	166	185	174	146	114	114	1343052	1343091	1	8
400	400	9.8	9.8	250	270	230	215	175	175	1344052 ▲	1344051 ▲	1	2
500	500	12.3	12.3	265	355	345	295	245	245	-	N345091 ♦	1	2






\*upon request

Fixed Ring Lip Ring Fabricated Thermoformed SN8 SDR34

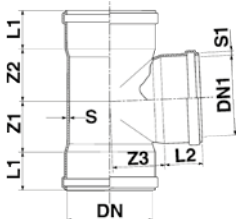


### Reduced branch 87°30' D/S

### Culotte embranchement 87°30' M/F - Derivación reducida 87°30' M/H





DN (mm)	DN1 (mm)	S (mm)	S1 (mm)	Z1 (mm)	Z2 (mm)	Z3 (mm)	L1 (mm)	L2 (mm)	L3 (mm)	Reference RAL 7037 Grey (  ) (  )	Reference RAL 8023 Red (  )		
125	110	3.2	3.0	84	58	92	78	77	67	-	0357251	12	96
160	110	4.0	3.2	59	69	87	81	74	57	-	035165E	10	80
160	125	4.0	3.2	60	81	94	88	71	62	0353642 •	0353651	1	70
200	110	4.9	3.2	50	110	120	135	86	59	0350142*	035015E	4	32
200	125	4.9	3.2	58	110	120	125	86	62	0350242	035025E	4	32
200	160	4.9	4.0	75	110	132	110	86	74	0352042 ♦	035205E ♦	4	32
250	110	6.2	3.2	90	100	132	144	99	51	-	0353551 ♦	1	20
250	160	6.2	4.0	90	100	134	117	126	85	0354042* ♦	0354051 ♦	1	18
250	200	6.2	4.9	132	143	136	123	120	116	-	0353851 ♦	1	18
315	110	7.7	3.2	50	150	176	180	116	56	-	1352251 ♦	1	10
315	160	7.7	4.0	75	150	180	155	116	73	-	1354451 ♦	1	12
315	200	7.7	4.9	95	150	185	135	116	87	-	1355551 ♦	1	12
315	250	7.7	6.2	166	178	174	128	140	110	D354652 ♦	D354691 ♦	1	6
400	110	9.8	3.2	153	183	240	180	145	60	-	1354151* ▲	1	5
400	160	9.8	4.0	120	205	135	215	160	87	-	1356651* ▲	1	4
400	200	9.8	4.9	145	240	145	215	175	104	-	1357751 ▲	1	4
400	250	9.8	6.2	186	227	270	180	145	105	-	1358851 ▲	1	4
400	315	9.8	6.9	186	227	260	180	145	125	1359952* ▲	1359951 ▲	1	4
500	110	10.5	3.2	163	205	290	210	170	60	-	1355051* ▲	-	-
500	250	10.5	6.2	-	-	-	210	170	105	-	D354991* ♦	1	3
500	315	10.5	6.9	-	-	-	210	170	125	-	D355091* ♦	1	2
500	400	10.5	9.8	-	-	-	210	170	145	-	D355191* ♦	1	1

\*upon request

 Fixed Ring
  Lip Ring
  Fabricated
  Thermoformed


### Branch 87°30' T/S

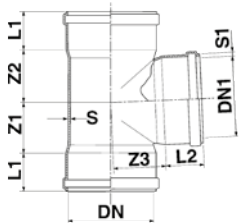
### Culotte 87°30' F/F - Derivación 87°30' H/H

DN (mm)	DN1 (mm)	S (mm)	S1 (mm)	Z1 (mm)	Z2 (mm)	Z3 (mm)	L1 (mm)	L3 (mm)	Reference RAL 7037 Grey (  )	Reference RAL 8023 Red (  )		
125	125	3.2	3.2	83	78	78	62	62	0451242	-	10	80
160	160	4.0	4.0	95	99	99	72	72	0451642	0451641	5	40
200	200	4.9	4.9	120	120	120	86	86	1452042	1452041	1	28
250	250	6.2	6.2	165	152	152	101	101	1452542	1452541*	1	15
315	315	7.7	7.7	211	185	185	117	117	1453042	1453041	1	6
400	400	9.8	9.8	250	270	230	175	175	1454052 ▲	1454051 ▲	1	2

\*upon request  Fixed Ring



**Reduced branch 87°30' T/S**  
**Culotte embranchement 87°30' F/F - Derivación reducida 87°30' H/H**



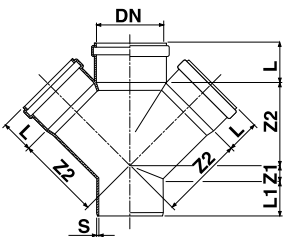
DN (mm)	DN1 (mm)	S (mm)	S1 (mm)	Z1 (mm)	Z2 (mm)	Z3 (mm)	L1 (mm)	L3 (mm)	Reference RAL 7037 Grey	Reference RAL 8023 Red		
160	110	4.0	3.2	70	75	95	72	56	-	0351741	8	64
160	125	4.0	3.2	85	81	94	72	62	0463642	-	6	48
200	110	4.9	3.2	108	110	120	86	60	-	0460141	1	33
200	125	4.9	3.2	108	110	120	86	62	0460242	-	4	32
200	160	4.9	4.0	108	110	132	86	74	0460642	0460641	1	30
250	125	6.2	3.2	100	100	132	103	130	1461242	-	1	18
250	160	6.2	4.0	100	100	134	107	126	1461642	1461651*	1	18
250	200	6.2	4.9	100	143	136	113	120	1462042*	1462051*	1	15
315	110	7.7	3.2	150	150	176	116	56	1464142*	1464141*	1	9
315	125	7.7	3.2	150	150	176	116	65	1464342	-	1	10
315	160	7.7	4.0	150	150	180	116	73	1464242	-	1	10
315	200	7.7	4.9	150	150	185	116	87	1464442	1464451	1	10
400	125	9.8	3.2	192	192	240	145	65	1463342*▲	-	-	-
400	200	9.8	4.9	192	192	250	145	95	-	1467741▲	1	4
400	250	9.8	6.2	227	227	270	145	105	1468842▲	-	1	4
400	315	9.8	7.7	227	227	260	145	125	1469942▲	-	1	3
500	110	10.5	3.2	163	205	290	210	170	*▲	*▲	-	-
500	125	10.5	3.2	163	205	290	210	170	*▲	*▲	-	-
500	160	10.5	4.0	163	205	300	210	170	*▲	*▲	-	-
500	200	10.5	4.9	163	205	300	210	170	*▲	*▲	-	-

\*upon request

Fixed Ring Thermoformed



**Double branch 45°**  
**Culotte double 45° - Derivación doble 45°**



DN (mm)	S (mm)	Z1 (mm)	Z2 (mm)	L (mm)	L1 (mm)	Reference RAL 7037 Grey	Reference RAL 8023 Red			Note
▶ 110	3.2	30	141	57	60	0361142	0361141	8	64	
125	3.2	30	157	64	65	0361242	-	5	40	
160	4.0	51	204	85	88	0361642	-	1	30	

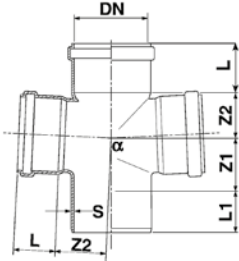
Fixed Ring SN8 SDR34



**Double branch 87°30'**  
**Culotte double 87°30' - Derivación doble 87°30'**

DN (mm)	α	S (mm)	Z1 (mm)	Z2 (mm)	L (mm)	L1 (mm)	Reference RAL 7037 Grey		
110	87°30'	3.2	62	70	70	80	0381142	10	80

Fixed Ring SN8 SDR34

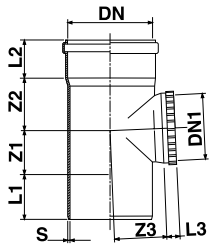


**Access pipe**  
**Té de visite - Té de registro**

DN (mm)	DN1 (mm)	S (mm)	Z1 (mm)	Z2 (mm)	Z3 (mm)	L1 (mm)	L2 (mm)	L3 (mm)	Reference RAL 7037 Grey	Reference RAL 8023 Red		
110	110	3.0	59	69	69	60	55	36	1821142 •	182115E	20	160
125	125	3.2	66	70	78	62	62	22	1821242* •	182125E	15	120
160	160	4.0	83	99	99	85	72	24	1821642* •	182165E	1	65
200	200	4.9	105	119	119	100	86	28	1822042 •	182205E	1	30
250	250	6.2	120	152	152	135	101	70	1402552	1402591	1	16
315	315	7.7	166	185	185	146	114	90	-	1403091	1	8
400	315	9.8	227	227	260	180	145	30	1404352* ▲	1404351 ▲	1	4

\*upon request

Fixed Ring Lip Ring Thermoformed



DN110 and DN125



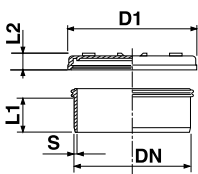
DN160 and DN200

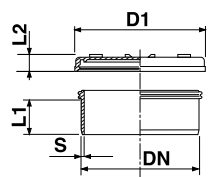


**Access plug**  
**Tampon de visite - Tapón de registro**

DN (mm)	D1 (mm)	S (mm)	L1 (mm)	L2 (mm)	Reference RAL 7037 Grey	Reference RAL 8023 Red		
110	125	3.4	62	19	0651102	0651101	70	560
125	141	3.0	60	25	0651202	0651201	50	400
160	176	3.1	60	23	1651602	1651601	30	240
200	216	3.4	80	23	1652002	1652001	15	120

Lip Ring





### Access plug

#### Tampon à baïonnette male - Tapón de registro

DN (mm)	D1 (mm)	S (mm)	L1 (mm)	L2 (mm)	Reference RAL 7037 Grey	Reference RAL 8023 Red		
250	262	6.1	90	18	1652502	1652501	10	100
315	354	7.7	93	22	1653002	1653001	5	50

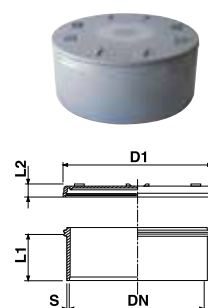
Lip Ring

### Access end cap Female

#### Tampon à baïonnette femelle - Tapón de registro hembra

DN (mm)	D1 (mm)	S (mm)	L1 (mm)	L2 (mm)	Reference RAL 7037 Grey		
250	262	5.5	86	18	16525F2	10	100
315	330	6.9	89	22	16530F2	6	48

Lip Ring

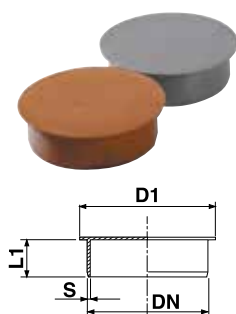


### Socket plug

#### Bouchon de fermeture - Tapón macho

DN (mm)	D1 (mm)	S (mm)	L1 (mm)	Reference RAL 7037 Grey	Reference RAL 8023 Red		
110	126	3.2	38	0661102	066110E	150	1200
125	142	3.2	42	0661202	066120E	100	800
160	180	4.0	49	0661602	066160E	55	440
200	223	4.9	59	0662002	066200E	25	200
250	282	6.2	90	0662502	0662501	1	144
315	350	7.7	93	0663002	0663001	1	67
400	440	9.8	95	06640M2	06640M1	1	50
500	558	12.3	120	-	D665001 ♦	1	12

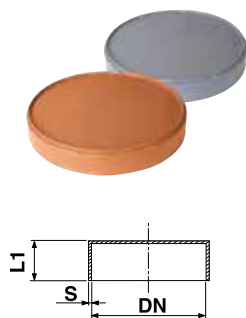
♦ Fabricated



### End cap

#### Bouchon femelle - Tapón hembra

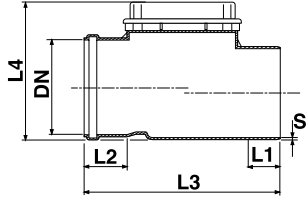
DN (mm)	S (mm)	L1 (mm)	Reference RAL 7037 Grey	Reference RAL 8023 Red		
110	2.0	32	06613F2	06613F1	30	1560
125	2.5	32	06615F2	06615F1	20	1040
160	2.7	35	06617F2	06617F1	30	720
200	2.9	35	06621F2	06621F1	60	480
250	3.5	40	06628F2	06628F1	30	240
315	4.0	52	06634F2	06634F1	15	120
400	6.0	95	06640F2	06640F1	1	50





### Access chamber

#### Inspection linéaire - Inspección en línea

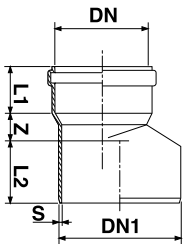


DN (mm)	S (mm)	L1 (mm)	L2 (mm)	L3 (mm)	L4 (mm)	Reference RAL 8023 Red		
110	4.0	61	61	307	192	1475551*	9	72
125	4.0	68	65	318	192	1476051*	8	64
160	4.0	74	74	334	220	1471691*	6	48
200	4.5	100	86	451	280	1472091*	2	16

\*upon request Lip Ring

### Invert reducer

#### Réduction excentrée - Ampliación excéntrica

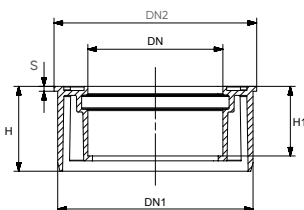


DN (mm)	DN1 (mm)	S (mm)	Z (mm)	L1 (mm)	L2 (mm)	Reference RAL 7037 Grey 	Reference RAL 8023 Red 		
110	125	3.2	22	56	63	0513242 •	051325E	35	280
110	160	4.0	43	56	82	0511642 •	051165E	30	240
125	160	4.0	36	62	82	0513642 •	051365E	30	240
125	200	4.9	53	62	100	0512042 •	051205E	15	120
160	200	4.9	39	74	100	0514042 •	051405E	15	120
160	250	6.2	66	73	125	0514642	0514651	1	85
200	250	6.2	39	96	134	0512542 •	051255E	5	60
200	315	7.7	85	86	145	0513342 •	051335E	4	32
250	315	7.7	64	103	144	0513052	0513091	1	32
315	400	9.8	88	118	156	0519252	0519291	1	18
400	500	-	-	-	-	-	D519491 **	1	4

\*\*Centrée / Escentrée / Concéntrico

NB: other larger diameters available upon request / diamètres supérieurs disponibles sur demande.

Fixed Ring Lip Ring Fabricated



### Compact inverter reducer

#### Tampon de réduction avec joint - Reducción concéntrica

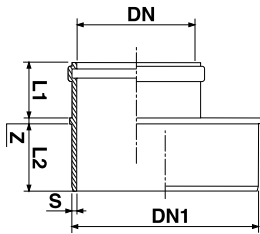
DN (mm)	DN1 (mm)	DN2 (mm)	H (mm)	H1 (mm)	S (mm)	Reference Black 		
110	160	166	69.5	57	4	0686348	16	384

Recommended for installation on Easyclip City, Link and Tech





### Flat invert reducer Réduction excentrée - Ampliación excéntrica



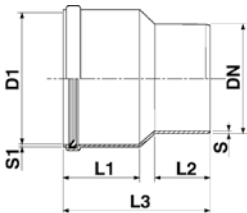
DN (mm)	DN1 (mm)	S (mm)	Z (mm)	L1 (mm)	L2 (mm)	Reference RAL 7037 Grey	Reference RAL 8023 Red			Note
110	200	4,6	40	60	59	1533542	1533551	15	120	
110	250	6.1	7	56	90	0534142	0534151	10	80	
110	315	7.7	40	60	93	-	1534051*	5	40	
110	400	6.0	40	60	95	1535042*	-	7	28	
125	250	6.1	7	62	90	0534242	0534251	10	80	
125	315	7.7	40	65	93	1534342	1534351*	5	40	
125	400	6.0	40	65	95	1535542	1535551*	-	-	
160	315	7.7	7	74	93	0534842	0534851	5	40	
160	400	6.0	50	85	95	1536042*	1536051*	1	26	
200	400	6.0	50	95	95	1536542*	1536551	1	26	
250	400	6.0	50	105	95	1537052	1537091	1	24	

\*upon request

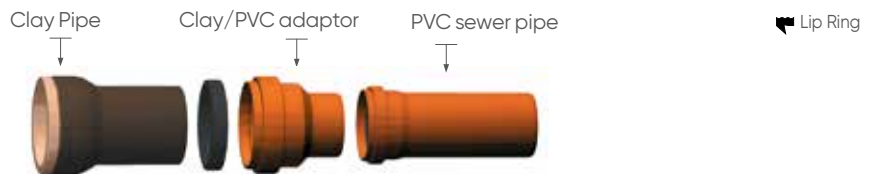
Fixed Ring Lip Ring Fabricated



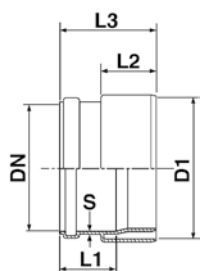
### Clay/PVC adaptor Manchon d'adaptation Grès/PVC - Enlace mixto Gres/PVC



DN (mm)	DN1 (mm)	S (mm)	S1 (mm)	L1 (mm)	L2 (mm)	L3 (mm)	Reference RAL 7037 Grey	Reference RAL 8023 Red		
110	136	3.0	3.0	89	60	170	0621192	0621191	30	240
125	160	3.4	3.0	98	67	190	0621292	0621291	18	144
160	190	4.0	3.6	112	81	215	0621692	0621691	10	80
200	242	5.5	4.5	125	100	255	-	0622091	1	60



### PVC/Clay adaptor Manchon d'adaptation PVC/Grès - Enlace mixto PVC/Gres



DN (mm)	DN1 (mm)	S (mm)	L1 (mm)	L2 (mm)	L3 (mm)	Reference RAL 8023 Red		
110	136	3.0	56	70	114	0621091	50	400
160	190	3.6	72	70	123	0621791	20	160

Lip Ring



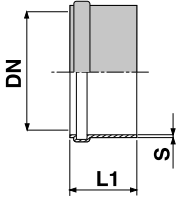


### Sanded protection sleeve

#### Accès de regard sablé court - Manguito pasamuros

DN (mm)	S (mm)	L1 (mm)	Reference Sandblasted ↙	Reference RAL 7037 Grey ↙			Note
160	3.6	74	-	0641642	12	168	

Lip Ring

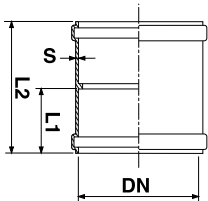


### Double socket with central stop

#### Manchon avec butée - Manguito de unión con tope

DN (mm)	S (mm)	L1 (mm)	L2 (mm)	Reference RAL 7037 Grey (•) ↙	Reference RAL 8023 Red ↙		
110	2.9	60	122	0631142 •	063115E	45	360
125	2.9	68	141	0631242 •	063125E	30	240
160	3.6	75	151	0631642 •	063165E	18	144
200	4.4	106	217	0632042 •	063205E	8	64
250	5.5	123	254	0632552	0632591	1	36
315	6.9	144	297	0633052	0633091	1	20
400	8.8	160	325	0634052	0634091	1	12
500	9.8	170	440	1635052 ▲	1635051 ▲	1	4

Fixed Ring Lip Ring Thermoformed

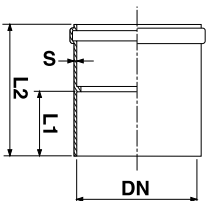


### Single socket with central stop

#### Manchon mixte avec butée - Unión mixta con tope

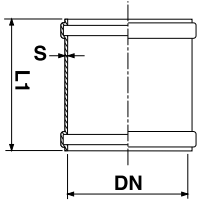
DN (mm)	S (mm)	L1 (mm)	L2 (mm)	Reference RAL 7037 Grey ↙	Reference RAL 8023 Red ↙		
110	2.9	60	122	0631182*	0631181	20	360
125	2.9	68	141	-	0631281*	16	256
160	3.6	75	154	-	0631681*	10	120
200	4.4	106	217	-	0632081*	5	60
250	5.5	123	254	-	0632581*	4	32
315	6.9	144	297	-	0633081*	4	20

\*upon request Lip Ring





### Repair/Slip coupler Manchon coulissant - Manguito deslizante



DN (mm)	S (mm)	L1 (mm)	Reference RAL 7037 Grey ☛ ☜	Reference RAL 8023 Red ☜		
110	2.9	122	0611142 •	061115E	45	360
125	2.9	141	0611242 •	061125E	30	240
160	3.6	151	0611642 •	061165E	18	144
200	4.4	217	0612042 •	061205E	8	64
250	5.5	254	0612552	0612591	1	36
315	6.9	297	0613052	0613091	1	20
400	8.8	325	0614052	0614091	1	12
500	9.8	440	1615052 ▲	1615051 ▲	1	4
630	-	-	-	D616391 ◆	1	3

☛ Fixed Ring ☜ Lip Ring ◆ Fabricated ▲ Thermoformed

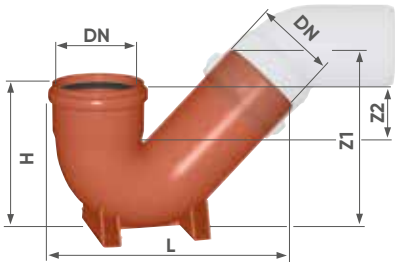
### Universal Gully trap Siphon pour siège à la turque en PP Sifón placa turca en PP con junta labiada



DN (mm)	H (mm)	L (mm)	Z1 (mm)	Z2 (mm)	Material	Reference RAL 8023 Red ☜		
110	142	310	225	50**	PP	Z7713PP	10	80

\*\* Siphon 50 mm (when fitted with 45° bend)

☛ Fixed Ring ☜ Lip Ring

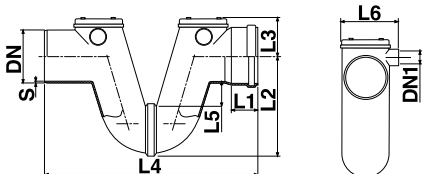


### REDI trap interceptor Siphon à joint male/femelle - Sifón en línea con registros



DN (mm)	DN1	S	L1	L2	L3	L4	L5	L6	Reference RAL 7037 Grey ☜	Reference RAL 8023 Red ☜		
110	40	3.0	61	202	88	495	35	153	1750052	1750091	5	35
125	40	3.0	62	235	92	490	38	175	1751352	1751391	1	34

☛ Fixed Ring ☜ Lip Ring

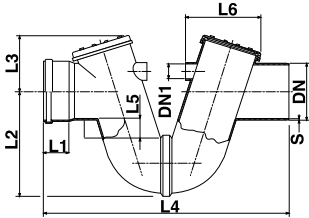




**REDI trap interceptor**  
**Siphon à joint male/femelle - Sifón en línea con registros**

DN (mm)	DN1 (mm)	S (mm)	L1 (mm)	L2 (mm)	L3 (mm)	L4 (mm)	L5 (mm)	L6 (mm)	Reference RAL 7037 Grey	Reference RAL 8023 Red		
160	63	3.0	72	295	158	655	50	210	1751652	1751691	1	18
200	63	4.0	84	345	198	795	50	270	1752052	1752091	1	9

Fixed Ring Lip Ring



SX

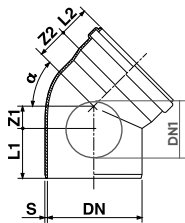


DX

**Bend 45° with access plug**  
**Coude de visite 45° - Codo 45° con registro**

DN (mm)	DN1 (mm)	S (mm)	Z1 (mm)	Z2 (mm)	L1 (mm)	L2 (mm)	Reference (SX) RAL 8023 Red	Reference (DX) RAL 8023 Red		
110	63	3,2	27	36	58	50	N1C88E1	N1C87E1*	5	-
125	80	3,2	29	40	68	56	11912S1*	11912D1*	5	-
160	100	4,0	37	51	80	66	11916S1	11916D1	5	-

\*upon request Lip Ring Fabricated



SX

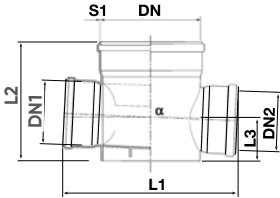


DX

**Branch 45° with access plus**  
**Culotte 45° avec accès latéral - Derivación 45° con registro lateral**

DN (mm)	Reference (SX) RAL 8023 Red	Reference (DX) RAL 8023 Red			Note
110	N1C86E1	N1C85E1*	5	100	
125	1854451	1853351	5	50	
160	1856651	1855551	5	25	
200	1858851	1857751*	1	18	

\*upon request Lip Ring Fabricated

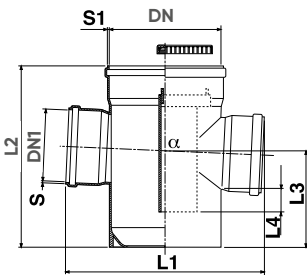


### Inspection chamber

#### Boîte de branchement direct - Colector de registro

DN (mm)	DN1 (mm)	DN2 (mm)	S1 (mm)	L1 (mm)	L2 (mm)	L3 (mm)	α	Reference RAL 7037 Grey		
250	125	125	4.0	406	300	110	2°	1943042 ≈	1	37
315	125	125	5.0	459	320	115	2°	1953042 ≈	1	26
250	160	160	4.0	436	300	110	2°	1943242 ≈	1	34
315	160	160	5.0	491	320	115	2°	1953242 ≈	1	23
400	160	160	7	570	412	148	2°	1962942* ≈	1	10

\*upon request  
 ≈ RAL 8023 Red available on request  
 Lip Ring

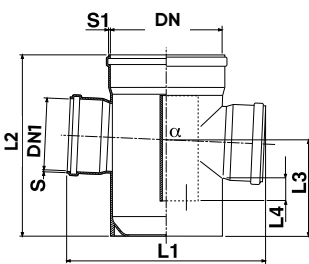


### Trapped inspection chamber

#### Boîte de branchement siphonoïde Colector sifónico en línea

DN (mm)	DN1 (mm)	S1 (mm)	L1 (mm)	L2 (mm)	L3 (mm)	L4 (mm)	α	Reference RAL 7037 Grey		
250	125	4.0	406	405	215	67.5	2°	1944642	1	19
315	125	5.0	459	422	217	67.5	2°	1954642	1	12
250	160	4.0	436	405	215	50	2°	1944842	1	17
315	160	5.0	491	422	217	50	2°	1954842	1	10

Lip Ring



### Inspection chamber with c. baffle

#### Boîte de branchement disconnectrice Colector de inspección desconector

DN (mm)	DN1 (mm)	S1 (mm)	L1 (mm)	L2 (mm)	L3 (mm)	L4 (mm)	α	Reference RAL 7037 Grey		
250	125	4.0	406	405	215	67.5	2°	1943842	1	19
315	125	5.0	459	422	217	67.5	2°	1953842	1	12
250	160	4.0	436	405	215	50	2°	1944042	1	17
315	160	5.0	491	422	217	50	2°	1954042	1	10

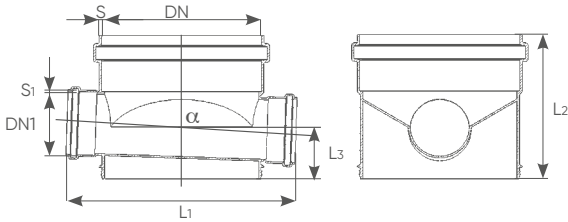
Lip Ring



**Heavy inspection chamber**  
**Tabouret lesté passage direct**  
**Colector de inspección resistente a carga**

DN (mm)	DN1 (mm)	S (mm)	S1 (mm)	L1 (mm)	L2 (mm)	L3 (mm)	α	Kg	Material	Reference RAL 7037 Grey		
315	125	4,9	3,0	459	283,5	103	2°	7,50	PP	1951242	1	18
315	160	4,9	3,6	480	316,5	119	2°	7,70	PP	1951642	1	21
315	200	4,9	4,5	505	356,5	139	2°	8,20	PP	1952042	1	18

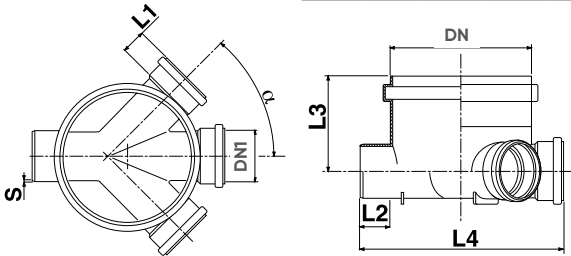
Lip Ring



**Access junction basis**  
**Regard à 3 entrées - Colector de inspección 3 entradas**

DN (mm)	DN1 (mm)	S (mm)	L1 (mm)	L2 (mm)	L3 (mm)	L4 (mm)	α	Reference RAL 8023 Red			Note
400	160	5	74	85	275	605	45°	196435X	1	6	3E.M/F - RML

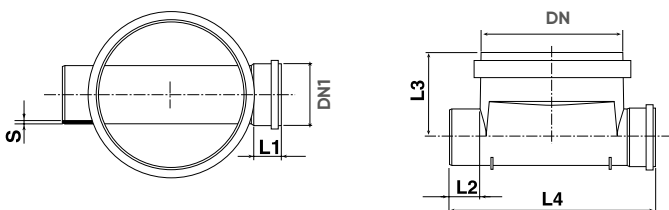
Lip Ring



**Access junction basis**  
**Regard à 2 entrées - Colector de inspección 2 entradas**

DN (mm)	DN1 (mm)	S (mm)	L1 (mm)	L2 (mm)	L3 (mm)	L4 (mm)	α	Reference RAL 8023 Red			Note
400	160	5	74	85	275	605	0°	196495X	1	8	MF PD - G

Lip Ring

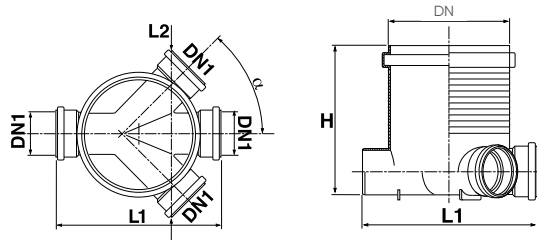




**Access junction basis 400x200 Schachtboden**  
**Regard à 3 entrées - Colector de inspección 3 entradas**

DN (mm)	DN1 (mm)	α	H (mm)	L1 (mm)	Material	Reference Block			Note
400	200	45°	475	630	PP	POZ4208	1	8	

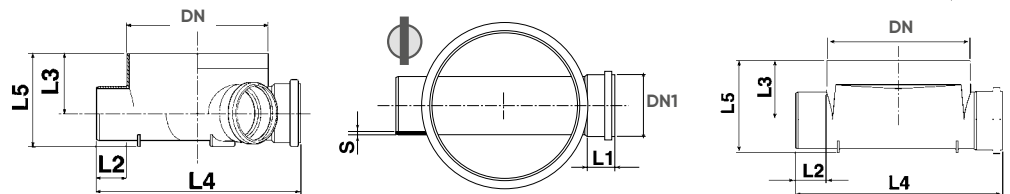
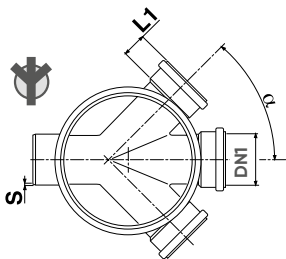
Lip Ring



**Access junction basis**  
**Regard à 3 entrées - Colector de inspección 3 entradas**

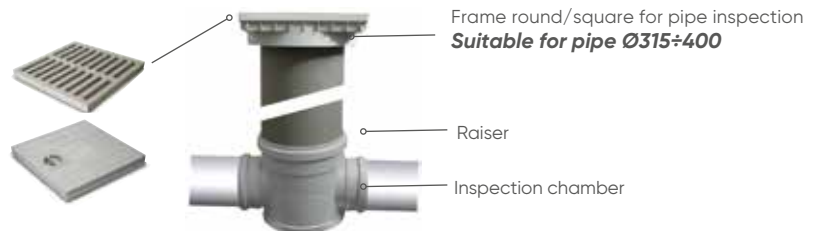
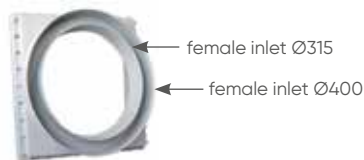
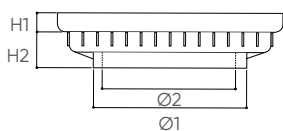
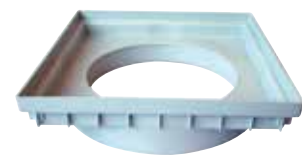
DN (mm)	DN1 (mm)	S (mm)	L1 (mm)	L2 (mm)	L3 (mm)	L4 (mm)	L5 (mm)	α	Reference RAL 8023 Red			Note
400	160	5	74	85	130	605	230	45°	096435X	1	12	3E.M/F - RML
400	160	5	74	85	130	605	230	0°	096495X*	1	16	MF PD - G

\*upon request Lip Ring



**Round/Square frame for pipe inspection**  
**Cadre Carré/Rond - Cerco cuadrado con para colector de inspección**

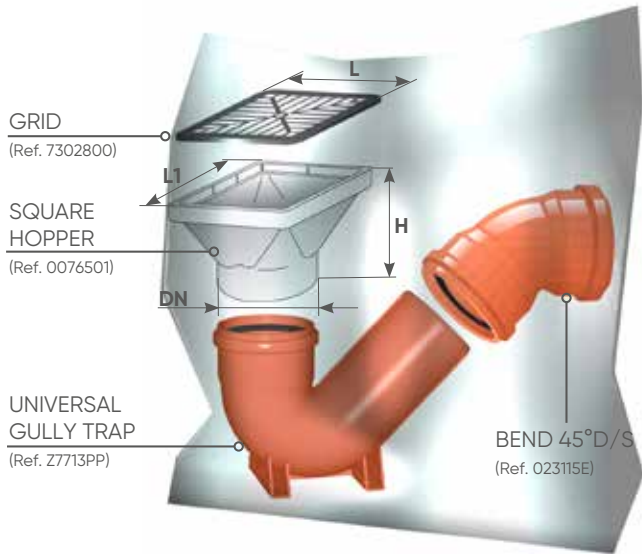
DN (mm)	Ø1 (mm)	Ø2 (mm)	H1 (mm)	H2 (mm)	Reference RAL 7037 Grey			Note
450x450	400	315	50	65	ETTQ304	1	40	



**Telescopic gasket**  
**Joint télescopique - Junta telescópica**

DN (mm)	DN1 (mm)	Reference RAL 7037 Grey			Note
315	400	6834300*	1	66	

\*upon request



### Gully Kit

Reference RAL 8023 Red			Note
1KIT15E	6	48	

Reference RAL 8023 Red	Note	DN (mm)	H (mm)	L (mm)	L1 (mm)
7302800	Grid			150	
0076501	Square Hopper	110	99		160
023115E	Bend 45° D/S	110			
Z7713PP	PP Universal Gully Trap	110			



### Universal Gully trap

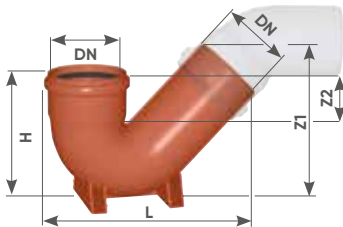
Siphon pour siège à la turque en PP

Sifón placa turca en PP con junta labiada

DN (mm)	H (mm)	L (mm)	Z1 (mm)	Z2 (mm)	Material	Reference RAL 8023 Red		
110	142	310	225	50**	PP	Z7713PP	10	80

\*\*Siphon 50mm (when fitted with 45° bend)

Lip Ring

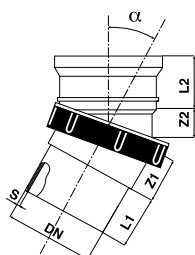


### Adjustable bend

Coude orientable - Codo orientable

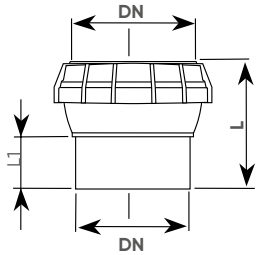
DN (mm)	$\alpha$	S (mm)	Z1 (mm)	Z2 (mm)	L1 (mm)	L2 (mm)	Reference RAL 8023 Red		
110	5°÷ 30°	3.2	26	36	62	59	H999941	6	144

Lip Ring



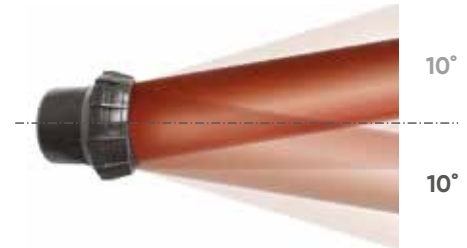


**Swivel 160**  
**Rotule 160 - Rótula 160**



DN (mm)	$\alpha$	L (mm)	L1 (mm)	Reference Black		
160	+/-10°	180	85	1991658	1	96

Lip Ring



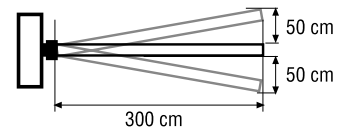
**Patent: EP 040298754**

**Swivel DN 160 mm.**

Pre-lubricated and ready-to-install. Rotation up to 10° to facilitate house connections and balance ground settlement.



Pipe length 3 meters



Pipe length 4 meters

