



PURE
PROGRESS / poloplast

Building services
International

Assortment list

Valid from 01. August 2026

Legend

A. no.....Article number
di..... inside diameter
DN..... Outside diameter (Dimension Nominal)
DN 2..... Outside diameter (Dimension Nominal)
DN 3..... Outside diameter (Dimension Nominal)
do..... Outside diameter
h..... Height
PN..... Pressure Nominal
PU..... Packing unit in pieces
UL.....Unit length

Technical information

DN – according to European standardisation CEN/TC 155 (Outer diamter - nominal diameter). Packing Ordinance license no. ARA AG 5414.



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1 Building drainage

1.1 POLO-KAL XS

POLO-KAL XS is the innovation when it comes to user friendliness.

The particularly slim Monotec socket is the ideal choice in confined spaces. The integrated seal guarantees a quick and secure connection - even without any lubricant.

1.1.1 Pipes

POLO-KAL XS Push-fit socket pipe
PKXEM
with Monotec socket



DN	UL	A. no.	PU	DN	UL	A. no.	PU
32 di = 28.4 mm	150 mm	102000	20	90 di = 84 mm	150 mm	102070	20
	250 mm	102001	20		250 mm	102071	20
	500 mm	102002	20		500 mm	102072	20
	1,000 mm	102003	10		750 mm	102079	6
	1,500 mm	102004	10		1,000 mm	102073	6
	2,000 mm	102005	10		1,500 mm	102074	6
40 di = 36.4 mm	150 mm	102010	20	110 di = 103.2 mm	2,000 mm	102075	6
	250 mm	102011	20		3,000 mm	102076	6
	500 mm	102012	20	125 di = 117.2 mm	250 mm	102040	20
	750 mm	102019	10		250 mm	102041	20
	1,000 mm	102013	10		500 mm	102042	20
	1,500 mm	102014	10		750 mm	102049	4
50 di = 46 mm	2,000 mm	102015	10		1,000 mm	102043	4
	3,000 mm	102016	10		1,500 mm	102044	4
75 di = 69.8 mm	150 mm	102020	20	160 di = 150.2 mm	2,000 mm	102045	4
	250 mm	102021	20		3,000 mm	102046	4
	500 mm	102022	20	125 di = 117.2 mm	250 mm	102051	90
	750 mm	102029	10		500 mm	102052	45
	1,000 mm	102023	10		1,000 mm	102053	40
	1,500 mm	102024	10		1,500 mm	102054	40
75 di = 69.8 mm	2,000 mm	102025	10		2,000 mm	102055	40
	3,000 mm	102026	10		3,000 mm	102056	40
75 di = 69.8 mm	150 mm	102030	20	160 di = 150.2 mm	250 mm	102061	56
	250 mm	102031	20		500 mm	102062	28
	500 mm	102032	20		1,000 mm	102063	36
	750 mm	102039	8		1,500 mm	102064	36
	1,000 mm	102033	8		2,000 mm	102065	36
	1,500 mm	102034	8		3,000 mm	102066	36
75 di = 69.8 mm	2,000 mm	102035	8	160 di = 150.2 mm	250 mm	102061	56
	3,000 mm	102036	8		500 mm	102062	28
75 di = 69.8 mm	150 mm	102030	20		1,000 mm	102063	36
	250 mm	102031	20		1,500 mm	102064	36
	500 mm	102032	20		2,000 mm	102065	36
	750 mm	102039	8		3,000 mm	102066	36
	1,000 mm	102033	8		250 mm	102061	56
	1,500 mm	102034	8		500 mm	102062	28
75 di = 69.8 mm	2,000 mm	102035	8	160 di = 150.2 mm	1,000 mm	102063	36
	3,000 mm	102036	8		1,500 mm	102064	36
75 di = 69.8 mm	150 mm	102030	20		2,000 mm	102065	36
	250 mm	102031	20		3,000 mm	102066	36
	500 mm	102032	20		250 mm	102061	56
	750 mm	102039	8		500 mm	102062	28
	1,000 mm	102033	8		1,000 mm	102063	36
	1,500 mm	102034	8		1,500 mm	102064	36
75 di = 69.8 mm	2,000 mm	102035	8	160 di = 150.2 mm	2,000 mm	102065	36
	3,000 mm	102036	8		3,000 mm	102066	36
75 di = 69.8 mm	150 mm	102030	20	160 di = 150.2 mm	250 mm	102061	56
	250 mm	102031	20		500 mm	102062	28
	500 mm	102032	20		1,000 mm	102063	36
	750 mm	102039	8		1,500 mm	102064	36
	1,000 mm	102033	8		2,000 mm	102065	36
	1,500 mm	102034	8		3,000 mm	102066	36

1.1.2 Fittings

POLO-KAL XS Bend
PKXEB
with Monotec socket



DN	Angle	A. no.	PU	DN	Angle	A. no.	PU
32	15°	102100	20	50	15°	102120	20
	30°	102101	20		30°	102121	20
	45°	102102	20		45°	102122	20
	67.5°	102103	20		67.5°	102123	20
	87.5°	102104	20		87.5°	102124	20
DN	Angle	A. no.	PU	DN	Angle	A. no.	PU
40	15°	102110	20	75	15°	102130	20
	30°	102111	20		30°	102131	20
	45°	102112	20		45°	102132	20
	67.5°	102113	20		67.5°	102133	20
	87.5°	102114	20		87.5°	102134	20

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DN	Angle	A. no.	PU	DN	Angle	A. no.	PU
90	15°	102170	20	125	15°	102150	20
	30°	102171	20		30°	102151	20
	45°	102172	20		45°	102152	20
	67.5°	102173	20		67.5°	102153	20
	87.5°	102174	20		87.5°	102154	20
DN	Angle	A. no.	PU	DN	Angle	A. no.	PU
110	15°	102140	20	160	15°	102160	10
	30°	102141	20		30°	102161	10
	45°	102142	20		45°	102162	10
	67.5°	102143	20		87.5°	102164	10
	87.5°	102144	20				

POLO-KAL XS Branch PKXEA

with Monotec socket



Swept entry branch

DN	DN 2	Angle	A. no.	PU
32	32	45°	102200	10
	32	45°	102203	10
40	40	45°	102206	10
	40	67.5°	102207	10
	40	87.5°	102208	10
	40	87.5°	102209	10
50	40	45°	102212	10
	40	67.5°	102213	10
	40	87.5°	102214	10
	50	45°	102215	10
	50	67.5°	102216	10
	50	87.5°	102217	10
	50	45°	102218	10
	50	67.5°	102219	10
75	50	87.5°	102220	10
	75	45°	102221	10
	75	67.5°	102222	10
	75	87.5°	102223	10
	50	45°	102210	10
90	50	67.5°	102835	10
	50	87.5°	102830	10
	75	45°	102834	10
	75	67.5°	102832	10
	75	87.5°	102833	10
	90	45°	102211	10
	90	67.5°	102831	10
	90	87.5°	102248*	10
110	50	45°	102224	10
	50	67.5°	102225	10
	50	87.5°	102226	10
	75	45°	102227	10
	75	67.5°	102228	10
	75	87.5°	102229	10
	90	45°	102839	10
	90	67.5°	102837	10
	90	87.5°	102836	10
	110	45°	102230	10
	110	67.5°	102231	10
125	110	87.5°	102232*	10
	75	45°	102233	10
	75	87.5°	102235	10
	110	45°	102236	10
	110	87.5°	102238	10
	125	45°	102239	10
	125	87.5°	102241	10

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POLO-KAL XS

POLO-KAL NG

POLO-KAL 3S

POLO-KAL®
System components

POLO-RDS Evolution

Continued from previous page

160	110	45°	102242	5
	110	87.5°	102244	5
	125	45°	102240	5
	160	45°	102245	5
	160	87.5°	102247	5

* Swept entry branch

POLO-KAL XS Double branch
PKXDA

with Monotec socket



DN	DN 2	DN 3	Angle	A. no.	PU
75	50	50	45°	102295	10
	75	75	45°	102396	10
DN	DN 2	DN 3	Angle	A. no.	PU
90	50	50	67.5°	102848	10
	90	90	67.5°	102846	10
	90	90	87.5°	102847	10
DN	DN 2	DN 3	Angle	A. no.	PU
110	50	50	45°	102258	10
	50	50	67.5°	102260	10
	50	50	87.5°	102255	10
	75	75	87.5°	102269	10
	110	110	45°	102259	10
	110	110	67.5°	102261	10
	110	110	87.5°	102267	10

POLO-KAL XS Corner double branch
PKXEDA

with Monotec socket
outlets equal-bottom



DN	DN 2	DN 3	Angle	A. no.	PU
90	50	50	87.5°	101538	10
	50	90	87.5°	102827	5
	90	50	87.5°	102826	5
	90	90	87.5°	102829	10
DN	DN 2	DN 3	Angle	A. no.	PU
110	50	50	87.5°	101540	10
	50	110	87.5°	102838	5
	75	110	87.5°	102279	10
	90	90	87.5°	101539	10
	110	50	87.5°	102291	5
	110	75	87.5°	102277	10
	110	110	87.5°	102275	10

POLO-KAL XS Combo branch
PKXKA

with Monotec socket



DN	DN 2	DN 3	Angle	A. no.	PU
110	75	110	87.5°	102273	5
	110	75	87.5°	102268	5
	110	110	87.5°	102296	5

POLO-KAL XS Vertical double branch
PKXVDA

with Monotec socket



DN	DN 2	DN 3	Angle	A. no.	PU
90	90	50	87.5°	101945	10
110	90	50	87.5°	101946	10
	110	50	87.5°	101947	10

**POLO-KAL XS Parallel branch
PKXPA**

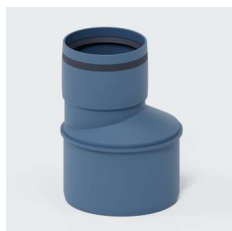
with Monotec socket



DN	DN 2	A. no.	PU
90	90	102828	10
110	110	102294	10

**POLO-KAL XS Adapter
PKXR**

with Monotec socket



DN	DN 2	A. no.	PU
40	32	102280	20
50	32	102281	20
	40	102282	20
75	50	102283	20
90	50	102885	20
	75	102886	20
110	50	102284	20
	75	102285	20
	90	102887	20
125	110	102286	20
160	110	102287	20
	125	102288	20

**POLO-KAL XS Cleaning pipe
PKXRE**

with Monotec socket
pressure-tight up to 0.5 bar



DN	A. no.	PU
50	102342	10
75	102343	10
90	102347	10
110	102344	10
125	102345	10
160	102346	5

POLO-KAL® Replacement cover for cleaning pipe



from DN 125

Description	A. no.	PU
for DN 50	07914	1
for DN 75	07918	1
for DN 90	07903	1
	07925	1
old, before 2025	02393	1
from DN 110 (4xLatch)	07932	1

**POLO-KAL XS Double socket
PKXD**

with Monotec socket



DN	A. no.	PU
32	102300	10
40	102301	10
50	102302	10
75	102303	10
90	102307	10
110	102304	10
125	102305	20
160	102306	10

POLO-KAL XS Slip-on sleeve PKXU with Monotec socket 	DN	A. no.	PU
	32	102310	10
	40	102311	10
	50	102312	10
	75	102313	10
	90	102319	10
	110	102314	10
	125	102315	20
	160	102316	10

POLO-KAL XS Long socket PKXL with Monotec socket 	DN	A. no.	PU
	40	102331	10
	50	102332	10
	75	102333	10
	90	102338	10
	110	102334	10
	125	102335	10
	160	102336	10

POLO-KAL XS 3S Extraction-proof connection PKXASV 	DN	A. no.	PU
	32	101750	10
	40	101751	10
	50	101752	10
	75	101753	10
	90	101754	10
	110	101755	10
	125	101756	10
	160	101757	10

1.1.3 Tools

POLO-KAL XS Pipe cutter fast and easy cutting of POLO-KAL® pipes including spare knife 	DN	A. no.	PU
	32	100096	1
	40	100097	1
	50	100098	1

POLO-KAL XS Spare blade for pipe cutter package content: 3 items 	A. no.	PU
	100099	1

1.1.4 Accessories

Lubricant		Description	A. no.	PU
		250 g, tube	08972	42
		1 kg, bucket	08975	18

1.2 POLO-KAL NG

POLO-KAL NG is an all-round talent in building drainage.

The three-layered, highly sound insulating pipe system scores for its excellent product properties and the comprehensive product range.

1.2.1 Pipes

POLO-KAL NG Push-fit socket pipe PKEM



DN	UL	A. no.	PU	DN	UL	A. no.	PU	
32 di = 28.4 mm	150 mm	02000	20	110 di = 103.2 mm	150 mm	02040	20	
	250 mm	02001	20		250 mm	02041	20	
	500 mm	02002	20		500 mm	02042	20	
	1,000 mm	02003	10		750 mm	02049	4	
	1,500 mm	02004	10		1,000 mm	02043	4	
	2,000 mm	02005	10		1,500 mm	02044	4	
					2,000 mm	02045	4	
					3,000 mm	02046	4	
					4,000 mm	02047	2	
DN	UL	A. no.	PU	DN	UL	A. no.	PU	
40 di = 36.4 mm	150 mm	02010	20	125 di = 117.2 mm	150 mm	02050	135	
	250 mm	02011	20		250 mm	02051	90	
	500 mm	02012	20		500 mm	02052	45	
	750 mm	02019	10		1,000 mm	02053	40	
	1,000 mm	02013	10		1,500 mm	02054	40	
	1,500 mm	02014	10		2,000 mm	02055	40	
	2,000 mm	02015	10		3,000 mm	02056	40	
	3,000 mm	02016	10		4,000 mm	02057	40	
DN	UL	A. no.	PU	DN	UL	A. no.	PU	
50 di = 46 mm	150 mm	02020	20	160 di = 150.2 mm	150 mm	02060	84	
	250 mm	02021	20		250 mm	02061	56	
	500 mm	02022	20		500 mm	02062	28	
	750 mm	02029	10		1,000 mm	02063	36	
	1,000 mm	02023	10		1,500 mm	02064	36	
	1,500 mm	02024	10		2,000 mm	02065	36	
	2,000 mm	02025	10		3,000 mm	02066	36	
	3,000 mm	02026	10		4,000 mm	02067	36	
	DN	UL	A. no.	PU	DN	UL	A. no.	PU
75 di = 69.8 mm	150 mm	02030	20	200 di = 186.4 mm	1,000 mm	02951	25	
	250 mm	02031	20		3,000 mm	02953	25	
	500 mm	02032	20		6,000 mm	02954	25	
	750 mm	02039	8	DN	UL	A. no.	PU	
	1,000 mm	02033	8	250 di = 232.8 mm	1,000 mm	02956	16	
	1,500 mm	02034	8		3,000 mm	02959	16	
	2,000 mm	02035	8					
	3,000 mm	02036	8					
	4,000 mm	02037	8					
DN	UL	A. no.	PU					
90 di = 84 mm	150 mm	02070	20					
	250 mm	02071	20					
	500 mm	02072	20					
	750 mm	02079	6					
	1,000 mm	02073	6					
	1,500 mm	02074	6					
	2,000 mm	02075	6					
	3,000 mm	02076	6					
4,000 mm	02077	4						

1.2.2 Fittings

POLO-KAL NG Bend PKB



DN	Angle	A. no.	PU	DN	Angle	A. no.	PU
32	15°	02100	20	110	15°	02140	20
	30°	02101	20		30°	02141	20
	45°	02102	20		45°	02142	20
	67.5°	02103	20		67.5°	02143	20
	87.5°	02104	20		87.5°	02144	20
DN	Angle	A. no.	PU	DN	Angle	A. no.	PU
40	15°	02110	20	125	15°	02150	20
	30°	02111	20		30°	02151	20
	45°	02112	20		45°	02152	20
	67.5°	02113	20		67.5°	02153	20
	87.5°	02114	20		87.5°	02154	20
DN	Angle	A. no.	PU	DN	Angle	A. no.	PU
50	15°	02120	20	160	15°	02160	10
	30°	02121	20		30°	02161	10
	45°	02122	20		45°	02162	10
	67.5°	02123	20		67.5°	02163	10
	87.5°	02124	20		87.5°	02164	10
DN	Angle	A. no.	PU	DN	Angle	A. no.	PU
75	15°	02130	20	200	15°	02960	40
	30°	02131	20		30°	02962	40
	45°	02132	20		45°	02963	40
	67.5°	02133	20		87.5°	02965	25
	87.5°	02134	20	250	45°	02968	20
DN	Angle	A. no.	PU		87.5°	02970	9
90	15°	02170	20				
	30°	02171	20				
	45°	02172	20				
	67.5°	02173	20				
	87.5°	02174	20				

POLO-KAL NG Branch PKEA



Swept entry branch

DN	DN 2	Angle	A. no.	PU
32	32	45°	02200	10
	32	45°	02203	10
40	40	45°	02206	10
	40	67.5°	02207	10
	40	87.5°	02208	10
	40	87.5°	02209	10
50	40	45°	02212	10
	40	67.5°	02213	10
	40	87.5°	02214	10
	50	45°	02215	10
	50	67.5°	02216	10
	50	87.5°	02217	10
	50	45°	02218	10
	50	67.5°	02219	10
75	50	87.5°	02220	10
	75	45°	02221	10
	75	67.5°	02222	10
	75	87.5°	02223	10
	50	45°	02210	10
90	50	67.5°	02835	10
	50	87.5°	02830	10
	75	45°	02834	10
	75	67.5°	02832	10
	75	87.5°	02833	10
	90	45°	02211	10
	90	67.5°	02831	10
	90	87.5°	02248*	10

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110	40	45°	02204	10
	50	45°	02224	10
	50	67.5°	02225	10
	50	87.5°	02226	10
	75	45°	02227	10
	75	67.5°	02228	10
	75	87.5°	02229	10
	90	45°	02839	10
	90	67.5°	02837	10
	90	87.5°	02836	10
	110	45°	02230	10
	110	67.5°	02231	10
125	110	87.5°	02232*	10
	75	45°	02233	10
	75	87.5°	02235	10
	90	45°	02843	10
	90	67.5°	02844	10
	90	87.5°	02845	10
	110	45°	02236	10
	110	67.5°	02237	10
	110	87.5°	02238	10
	125	45°	02239	10
	125	87.5°	02241	10
160	110	45°	02242	5
	110	67.5°	02243	5
	110	87.5°	02244	5
	125	45°	02240	5
	125	87.5°	02246	5
	160	45°	02245	5
	160	87.5°	02247	5
	160	45°	02971	16
200	160	87.5°	02972	20
	200	45°	02973	14
	200	87.5°	02974	15
	160	45°	02975	12
250	160	87.5°	02976	12
	250	45°	02979	5
	250	87.5°	02980	7

* Swept entry branch

**POLO-KAL NG Double branch
PKDA**

Swept entry branch

DN	DN 2	DN 3	Angle	A. no.	PU
75	50	50	45°	02295	10
	75	75	45°	02396	10
DN	DN 2	DN 3	Angle	A. no.	PU
90	50	50	67.5°	02848	10
	90	90	67.5°	02846	10
	90	90	87.5°	02847*	10
DN	DN 2	DN 3	Angle	A. no.	PU
110	50	50	45°	02258	10
	50	50	67.5°	02260	10
	50	50	87.5°	02255	10
	75	75	87.5°	02269	10
	110	110	45°	02259	10
	110	110	67.5°	02261	10
	110	110	87.5°	02267*	10
	110	110	87.5°	02267*	10
DN	DN 2	DN 3	Angle	A. no.	PU
125	110	110	45°	02234	5
	110	110	67.5°	02262	5
	110	110	87.5°	02272	5

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DN	DN 2	DN 3	Angle	A. no.	PU
160	110	110	45°	02399	5
	110	110	67.5°	02264	5
	110	110	87.5°	02274	5

* Swept entry branch

POLO-KAL NG Corner double branch PKEDA

spread angle 90°, equal bottom



DN	DN 2	DN 3	Angle	A. no.	PU
90	50	50	87.5°	01538	10
	50	90	87.5°	02827	5
	90	50	87.5°	02826	5
	90	90	87.5°	02829	10
110	50	50	87.5°	01540*	10
	50	110	87.5°	02838	5
	75	110	87.5°	02279	10
	90	90	87.5°	01539	10
	110	50	87.5°	02291	5
	110	75	87.5°	02277	10
	110	110	87.5°	02275	10
	125	110	87.5°	02276	5
160	110	110	87.5°	02278	5

* Delivery time on request

POLO-KAL NG Combo branch PKKA



DN	DN 2	DN 3	Angle	A. no.	PU
90	75	90	87.5°	02328	5
	90	75	87.5°	02329	5
DN	DN 2	DN 3	Angle	A. no.	PU
110	75	110	87.5°	02273	5
	110	75	87.5°	02268	5
	110	110	87.5°	02296	5

POLO-KAL NG Vertical double branch PKVDA



DN	DN 2	DN 3	Angle	A. no.	PU
90	90	50	87.5°	01945	10
110	90	50	87.5°	01946	10
	110	50	87.5°	01947	10

POLO-KAL NG Parallel branch PKPA



DN	DN 2	A. no.	PU
90	90	02828	10
110	110	02294	10

POLO-KAL NG Adapter PKR



DN	DN 2	A. no.	PU
40	32	02280	20
50	32	02281	20
	40	02282	20
75	50	02283	20
90	50	02885	20
	75	02886	20
110	50	02284	20
	75	02285	20
	90	02887	20

Continued on next page

POLO-KAL XS

POLO-KAL NG

POLO-KAL 3S

POLO-KAL®
System components

POLO-RDS Evolution

Continued from previous page

125	110	02286	20
160	110	02287	20
	125	02288	20
200	160	02981	60
250	200	02983	20

**POLO-KAL NG Adapter centric
PKRZ**



DN	DN 2	A. no.	PU
40	50	01786	10
	75	01785	10
50	75	01787	10
90	110	01791	10

**POLO-KAL NG Cleaning pipe
PKRE**
pressure-tight up to 0.5 bar



DN	A. no.	PU
50	02342	10
75	02343	10
90	02347	10
110	02344	10
125	02345	10
160	02346	5
200	02992	20
250	02993	12

POLO-KAL® Replacement cover for cleaning pipe



from DN 125

Description	A. no.	PU
for DN 50	07914	1
for DN 75	07918	1
for DN 90	07903	1
old, before 2025	07925	1
	02393	1
from DN 110 (4xLatch)	07932	1

**POLO-KAL NG Double socket
PKD**



DN	A. no.	PU
32	02300	10
40	02301	10
50	02302	10
75	02303	10
90	02307	10
110	02304	10
125	02305	20
160	02306	10
200	02986	54
250	02987	22

**POLO-KAL NG Slip-on sleeve
PKU**



DN	A. no.	PU
40	02311	10
50	02312	10
75	02313	10
90	02319	10
110	02314	10
125	02315	20
160	02316	10
200	02984	54

**POLO-KAL NG Long socket
PKL**



DN	A. no.	PU
40	02331	10
50	02332	10
75	02333	10
90	02338	10
110	02334	10
125	02335	10
160	02336	10
200	02339	20
250	02340	12

**POLO-KAL NG Extraction-proof connection
PKASV**



DN	A. no.	PU
32	01750	10
40	01751	10
50	01752	10
75	01753	10
90	01754	10
110	01755	10
125	01756	10
160	01757	10
200	01758	5
250	01759	5

1.2.3 Sealings

Lip seal ring EPDM

for pipes and fittings except for slip-on sleeves



DN	A. no.	PU
32	02750	1600
40	02751	1
50	02752	1
75	02753	1
90	02754	1
110	02755	1
125	02756	200
160	02757	170

Lip seal ring

for pipes and fittings except for slip-on sleeves



DN	A. no.	PU
200	02937	1
250	02938	1

Lip seal ring ÜM

for slip-on sleeves



DN	A. no.	PU
40	03191	1
50	03192	1
75	03193	1
90	03194*	1
110	03195	1
125	03196	1
160	03197*	1

* Delivery time on request

Double lip seal ring
for slip-on sleeves



DN	A. no.	PU
200	02947	1

Lip seal ring silicone
high temperature resistant



DN	A. no.	PU
50	00170*	1
75	00171	1
90	00172	1
110	00173	1
125	00174*	1
160	00175*	1

* Delivery time on request

Lip seal ring NBR
oil and grease resistant, impervious to radon



DN	A. no.	PU
50	00149	1
75	00150	1
90	00151	1
110	00152	1
125	00153	1
160	00154	1
200	00155	1
250	00156	1

1.2.4 Accessories

Chamfering tool
for chamfering of POLO-KAL® pipes



Description	A. no.	PU
DN 32/40/50	08985	10

Lubricant



Description	A. no.	PU
250 g, tube	08972	42
1 kg, bucket	08975	18

1.3 POLO-KAL 3S

POLO-KAL 3S offers sound insulation on the highest level.

The intermediary layer of the pipe is made of viscoelastic porolene to absorb airborne and structure-borne sound waves and to achieve a durable reduction of flush noises.

1.3.1 Pipes

POLO-KAL 3S Push-fit socket pipe PKSEM

with Monotec socket



DN 50 di = 45.6 mm			DN 110 di = 100.4 mm		
UL	A. no.	PU	UL	A. no.	PU
150 mm	102400	20	150 mm	102430	10
250 mm	102401	20	250 mm	102431	10
500 mm	102402	20	500 mm	102432	10
1,000 mm	102403	10	1,000 mm	102433	4
1,500 mm	102404	10	1,500 mm	102434	4
2,000 mm	102405	10	2,000 mm	102435	4
			3,000 mm	102436	2

DN 75 di = 67.4 mm			DN 125 di = 114.4 mm		
UL	A. no.	PU	UL	A. no.	PU
150 mm	102420	20	250 mm	102471	90
250 mm	102421	10	500 mm	102472	45
500 mm	102422	10	1,000 mm	102473	40
1,000 mm	102423	8	2,000 mm	102475	40
1,500 mm	102424	8	3,000 mm	102476	40
2,000 mm	102425	4			
3,000 mm	102426	4			

DN 90 di = 81 mm			DN 160 di = 145 mm		
UL	A. no.	PU	UL	A. no.	PU
150 mm	102410	20	250 mm	102451	56
250 mm	102411	10	500 mm	102452	28
500 mm	102412	10	1,000 mm	102453	36
1,000 mm	102413	6	2,000 mm	102455	36
1,500 mm	102414	6	3,000 mm	102456	36
2,000 mm	102415	4			
3,000 mm	102416	4			

1.3.2 Fittings

POLO-KAL 3S Bend PKSB

with Monotec socket



DN	Angle	A. no.	PU	DN	Angle	A. no.	PU
50	15°	102501	20	110	15°	102530	10
	30°	102502	20		30°	102531	10
	45°	102503	20		45°	102532	10
	67.5°	102504	20		67.5°	102533	10
	87.5°	102505	20		87.5°	102535	10

DN	Angle	A. no.	PU	DN	Angle	A. no.	PU
75	15°	102520	20	125	15°	102560	20
	30°	102521	20		30°	102561	20
	45°	102522	20		45°	102562	20
	67.5°	102523	20		67.5°	102563	20
	87.5°	102525	20		87.5°	102565	20

DN	Angle	A. no.	PU	DN	Angle	A. no.	PU
90	15°	102526	20	160	15°	102550	10
	30°	102527	20		30°	102551	10
	45°	102528	10		45°	102552	10
	67.5°	102534	20		87.5°	102555	10
	87.5°	102529	10				

**POLO-KAL 3S Branch
PKSA**

with Monotec socket



Swept entry branch

DN	DN 2	Angle	A. no.	PU
50	50	45°	102506	10
	50	67.5°	102507	10
	50	87.5°	102508	10
DN	DN 2	Angle	A. no.	PU
75	50	45°	102643	10
	50	67.5°	102642	10
	50	87.5°	102645	10
	75	45°	102606	10
	75	87.5°	102608	10
DN	DN 2	Angle	A. no.	PU
90	50	45°	102644	10
	50	67.5°	102602	10
	50	87.5°	102603	10
	75	45°	102605	10
	75	87.5°	102604	10
	90	45°	102607	5
	90	87.5°	102613*	10
DN	DN 2	Angle	A. no.	PU
110	50	45°	102646	10
	50	67.5°	102647	10
	50	87.5°	102648	10
	75	45°	102649	10
	75	67.5°	102650	5
	75	87.5°	102651	5
	90	45°	102653	10
	90	87.5°	102652	10
	110	45°	102609	10
	110	67.5°	102610	5
	110	87.5°	102611*	10
DN	DN 2	Angle	A. no.	PU
125	75	45°	102572	10
	75	87.5°	102573	10
	110	45°	102568	10
	110	87.5°	102569	10
	125	45°	102566	10
	125	87.5°	102567	10
DN	DN 2	Angle	A. no.	PU
160	110	45°	102657	5
	110	87.5°	102659	5
	160	45°	102615	5

* Swept entry branch

**POLO-KAL 3S Double branch
PKSEDA**

with Monotec socket



DN	DN 2	DN 3	Angle	A. no.	PU
90	90	90	87.5°	102612	10
	110	110	45°	102695	10
110	110	110	67.5°	102513	10
	110	110	87.5°	102694	10

**POLO-KAL 3S Corner double branch
PKSA**

with Monotec socket
spread angle 90°, equal bottom



DN	DN 2	DN 3	Angle	A. no.	PU
90	90	90	87.5°	102675	10
110	110	110	87.5°	102674	10

**POLO-KAL 3S Vertical double branch
PKSA**

with Monotec socket



DN	DN 2	DN 3	Angle	A. no.	PU
90	90	50	87.5°	102676	10
110	90	50	87.5°	102677	10
	110	50	87.5°	102678	10

**POLO-KAL 3S Adapter
PKSR**

with Monotec socket



DN	DN 2	A. no.	PU
75	50	102738	20
	50	102739	20
	75	102740	20
110	50	102742	20
	75	102743	20
125	90	102741	20
	110	102745	20
160	110	102746	20
	125	102747	20

**POLO-KAL 3S Adapter short
PKSRK**



DN	DN 2	A. no.	PU
75	50	102730	20
	50	102731	20
	75	102732	20
110	50	102733	20
	75	102734	20
	90	102735	20
160	110	102736	20

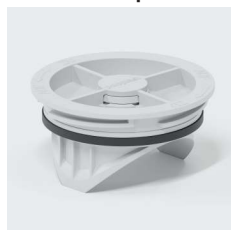
**POLO-KAL 3S Cleaning pipe
PKSRE**

with Monotec socket
pressure-tight up to 0.5 bar



DN	A. no.	PU
50	102765	10
75	102766	10
90	102772	10
110	102773	5
125	102559	10
160	102782	5

POLO-KAL® Replacement cover for cleaning pipe



from DN 125

Description	A. no.	PU
from DN 110 (4xLatch)	102791	1
for DN 50	102791	1
for DN 75	102792	1
for DN 90	102793	1
old, before 2025	102794	1
	02393	1

**POLO-KAL 3S Double socket
PKSD**

with Monotec socket



DN	A. no.	PU
50	102721	10
75	102722	10
90	102726	10
110	102723	10
125	102724*	20
160	102725*	10

* Available from April 2025

**POLO-KAL 3S Slip-on sleeve
PKSU**

with Monotec socket



DN	A. no.	PU
50	102711	10
75	102712	10
90	102716	10
110	102713	10
125	102571*	20
160	102715*	10

* Available from April 2025

**POLO-KAL 3S Long socket
PKSL**

with Monotec socket



DN	A. no.	PU
50	102701	10
75	102702	10
90	102704	10
110	102700	10
125	102705*	10
160	102706*	10

* Available from April 2025

**POLO-KAL XS | 3S Extraction-proof connection
PKXASV**



DN	A. no.	PU
50	101752	10
75	101753	10
90	101754	10
110	101755	10
125	101756	10
160	101757	10

1.3.3 Accessories

Lubricant



Description	A. no.	PU
250 g, tube	08972	42
1 kg, bucket	08975	18

1.4 POLO-KAL® System components

1.4.1 System addition

POLO-KAL® pipe systems allow for any combination with the following transition and connection fittings. The well-conceived functional components and problem-solvers are the optimum supplement for the POLO-KAL® systems.

POLO-KAL® Adapter short PKRK



DN	DN 2	A. no.	PU
40	32	02201	20
50	32	02202	20
	40	02330	20
75	50	02875	20
80	75	02882*	20
90	50	02292	20
	75	02289	20
110	50	02876	20
	75	02877	20
	90	02290	20
160	110	02878	20

* Delivery time on request

POLO-KAL® Socket plug PKM



DN	A. no.	PU
32	02320	20
40	02321	20
50	02322	20
75	02323	10
90	02327	10
110	02324	10
125	02325	10
160	02326	10
200	02990	90
250	02991	70

POLO-KAL® Siphon-fitting PKS

plug-in seal provided, unassembled



DN	di	A. no.	PU
32	32 mm 1 1/4 "	02350	20
40	32 mm 1 1/4 "	02351	20
	40 mm 1 1/2 "	02352	20
50	32 mm 1 1/4 "	02353	20
	40 mm 1 1/2 "	02354	20
	50 mm 2 "	02355	20

POLO-KAL® Siphon-elbow PKSW

plug-in seal provided, unassembled



DN	di	A. no.	PU
32	32 mm 1 1/4 "	02360	20
40	32 mm 1 1/4 "	02361	20
	40 mm 1 1/2 "	02362	20
	50 mm 2 "	02365	20
50	32 mm 1 1/4 "	02363	20
	40 mm 1 1/2 "	02364	20

POLO-KAL® Siphon-elbow long
PKSB

plug-in seal provided, unassembled



DN	di		A. no.	PU
40-50	32 mm	1 1/4 "	02250	10
	40 mm	1 1/2 "	02251	10
50	50 mm	2 "	02252	10

POLO-KAL® Plug-in seal

plug-in seal for siphon fitting



do	di	Description	A. no.	PU	
46 mm	32 mm	1 1/4 "	-	01552	500
	40 mm	1 1/2 "	-	01553	1
54 mm	32 mm	1 1/4 "	old, before 2018	02378	500
	40 mm	1 1/2 "	old, before 2018	02379	1
67 mm	50 mm	2 "	-	02380	100

POLO-KAL® Siphon-elbow cuttable
PKSB

including protective plug
without plug-in seal (compative with 1 1/4" and 1 1/2")



DN	di	A. no.	PU
50	46 mm	03709	20

POLO-KAL® WC connection piece
PKG

with seal



DN	di	A. no.	PU
110	100 mm	02371	10

POLO-KAL® WC connection elbow
PKGB

with seal



DN	Angle	di	A. no.	PU
110	87.5°	100 mm	02372	10

**POLO-KAL® WC connection branch
PKGA**

with seal



DN	DN 2	Angle	di	A. no.	PU
110	50	87.5°	100 mm	02373	10

**POLO-KAL® WC connection seal
PKGD**



DN	UL	A. no.	PU
110	46 mm	02376	120

**POLO-KAL® Condensate drainage
PKKO**

for plastic pipes



DN 32



DN 40-50

DN	do		A. no.	PU
32	8 mm	-	02356	20
40	-	1/2"	02357	20
50	-	1/2"	02358	20

**POLO-KAL® Condensate drain with socket
PKKO**

for plastic piping and flexible hosing



DN	do	A. no.	PU
100	1/2"	02388	10
110	1/2"	02387	10

**POLO-KAL® Condensate transition with spigot end
PKKO**

connection to internal thread



DN	do	A. no.	PU
32	1/2"	03710	20
40	1/2"	03711	20
50	1/2"	03712	20
75	1/2"	03713	10
110	1/2"	03715	10
125	1/2"	03718	10

**POLO-KAL® Condensate transition with sleeve
PKKO**

connection to internal thread



DN	do	A. no.	PU
100	1/2"	03717	10
110	1/2"	03716	10

POLO-KAL® Floor Trap

DN	DN 2	A. no.	PU
75	50	02148	1

POLO-KAL® Ratstop

prevents rats from entering the stack



DN	A. no.	PU
110	03639	1

**POLO-KAL® Ventilation elbow
PKUB**

integration of the bypass line in the downpipe



DN	Angle	A. no.	PU
110	135°	02145	10

**POLO-KAL® Misting attachment
PKDH**

with sliding rain collar



DN	A. no.	PU
110	02384	1
125	02385	15
160	02386	9

POLO-KAL® Rain collar

also as spare part for misting attachment



DN	A. no.	PU
110	07933	1
125	07938	1
160	07940	1

POLO-KAL® Adapter screw connection, screw nut

DN	do	A. no.	PU
32	1"	01732	30
40	1 1/4"	01734	30
50	1 1/2"	01737	15

**POLO-KAL® Adapter screw connection
uncoupled, screw nut**

For decoupled connection of raising systems and submersible pumps



DN	do	A. no.	PU
32	1"	01843	20
40	1 1/4"	01844	30
50	1 1/2"	01845	30

POLO-KAL® Adapter to external thread



DN	do	A. no.	PU
32	1"	01733	30
40	1 1/4"	01735	30
50	1 1/2"	01736	15

**POLO-KAL® Adapter screw connection
uncoupled, external thread**

For decoupled connection of raising systems and submersible pumps



DN	do	A. no.	PU
32	1"	01840	30
40	1 1/4"	01841	20
50	1 1/2"	01842	20

**POLO-KAL® Collar bushing with spigot end
PKBBS**

including seal



DN	PN	A. no.	PU
75	16	01740*	15
90	16	01742	12

* Delivery time on request

POLO-KAL® Loose flange for collar bushing



DN	PN	A. no.	PU
75	16	01741	15
90	16	01743	12

**POLO-KAL® Adapter inside/inside
PKRI**

fitting into the spigot of plastic pipes



DN	DN 2	A. no.	PU
110	50	02369	10
	75	02370	10
	90	02367	10
	110	02381	10
160	110	02366	10

**POLO-KAL® Branch inside/inside
PKEAI**
fitting into the spigot of plastic pipes



DN	DN 2	Angle	A. no.	PU
110	50	87.5°	01943	10
	110	87.5°	01944	10

**POLO-KAL® Adapter from socket to spigot end of other materials
PKULSAG**
for fiber cement and cast-iron pipe and fittings
leakproof up to 0.3 bar, when laid free from distortion



DN	Sealing range	A. no.	PU
50	58-67 mm	02850	10
75	78-86 mm	02851	10
110	110-116 mm	02852	10
125	135-142 mm	02853	10
160	160-172 mm	02854	5

**POLO-KAL® Adapter from spigot end to socket of other materials
PKUMAG**
for fiber cement and cast-iron pipe and fittings
leakproof up to 0.3 bar, when laid free from distortion



DN	Sealing range	A. no.	PU
50	75-83 mm	02860	10
75	96-104 mm	02861	10
110	120-131 mm	02865	10
	129-138 mm	02862	10
125	151-161 mm	02863	10
160	176-179 mm	02867	10
	182-189 mm	02864	10

**POLO-KAL® Adapter from spigot end to spigot end of other materials
PKUSAG**
for fiber cement and cast-iron pipe and fittings
leakproof up to 0.3 bar, when laid free from distortion



DN	Sealing range	A. no.	PU
50	56-67 mm	02870	10
75	78-86 mm	02871	10
110	110-116 mm	02872	10
125	135-142 mm	02873	10
160	160-172 mm	02874	5

**POLO-KAL® GLR Spare seal
PKUDGA**



Description	di	Colour	A. no.	PU
for adapter DN 50	50 mm	black	02890	1
for adapter DN 50, article 2860	52 mm	grey	02888	1
for adapter DN 75 and Adapter inside/inside DN 110	75 mm	black	02891	1
for adapter DN 110	110 mm	black	02892	1
for adapter DN 125	125 mm	black	02893	1
for adapter inside/inside DN 160	125 mm	grey	02895	1
for adapter DN 160	160 mm	black	02894	1

**POLO-KAL® Adapter from spigot end to socket of old generation
PKUMA**



DN	Sealing range	A. no.	PU
50	53 mm	02880	10
110	100 mm	02881	10

**POLO-KAL® Adapter from socket to spigot end of old generation
PKUSS**



DN	Sealing range	A. no.	PU
110	100 mm	02389	100

1.4.2 Cleaning pipe

The POLO-EHP Control pipe guarantees straightforward access to the POLO-KAL® pipe systems for inspection, maintenance and cleaning purposes. The large cleaning aperture, the straightforward locking mechanism that does not use any metal elements, and the high pressure sealing distinguish this solution.

POLO-EHP Control Cleaning pipe
cleaning pipe with a large opening
pressure-tight up to 1.5 bar



DN	A. no.	PU
110	01900	1
125	01901	1
160	01902	1
200	01903	1
250	01904	8

POLO-EHP Control Replacement cover



Description	A. no.	PU
up to DN 125	07815	1
from DN 160	07816	1

POLO-EHP Control Security clamp

prevents unauthorized opening of cleaning pipe POLO-EHP Control (vandalism protection)



A. no.	PU
07818	20

1.4.3 Fire protection

POLOPLAST fire protection solutions offer an approval-compliant and system-tested solution for a wide range of installation situations. The fire protection sleeves are specially tested and approved for all POLO-KAL® systems.

POLO-BSM Fire protective collar set BSM complete set with noise-insulated film, crews, label sign and installation instructions	30 mm			60 mm		
	di	A. no.	PU	di	A. no.	PU
	40 mm	02813	28	71 mm	02802	28
	48 mm	02814	28	85 mm	02806	28
	60 mm	02815	28	100 mm	02807	28
	85 mm	02818	28	120 mm	02808	28
	100 mm	02819	28	135 mm	02809	28
	120 mm	02820	28	146 mm	02811	28
	135 mm	02821	28	170 mm	02810	28
	170 mm	02822	28			
	210 mm	02823	180			
	260 mm	02824*	1			

* Delivery time on request

POLO-BSM Designation plate spare part for POLO-BSM set	A. no.	PU
	01883	1

1.4.4 Fastening

POLOPLAST fastening clips are exactly matched with the POLO-KAL® pipe systems, which is why they allow a quick and straightforward assembly. Additionally, the POLO-CLIP HS, POLO-KAL[®] DB and DB+ pipe clamps are also highly sound insulating pipe fastening systems.

POLO-CLIP HS Clamp PCHS highly sound insulating pipe fastening system				
				

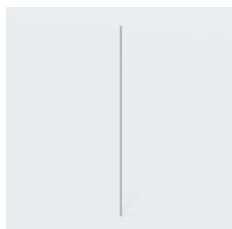
POLO-CLIP Clamp PCSE	Description	Thread	A. no.	PU
	for DN 50/40/32	M8	01811	50
		M10	01810	50
	for DN 110/90/75	M8	01812	50
		M10	01815	50
	for DN 160/125	M10	01819	20
				

**POLO-KAL® Screw clamp
RBSE**



DN	A. no.	PU
40	01930	50
50	01931	50
75	01932	50
110	01933	20

**Threaded rod
RBGS**



Thread	UL	A. no.	PU
M10	1,000 mm	01921*	1

* Delivery time on request

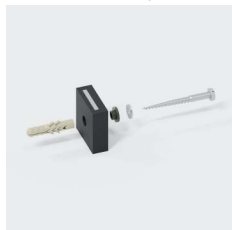
**2-hole base plate
RBLP**



Thread	A. no.	PU
M10	01920	1

**Noise-insulated set
RBSD**

consisting of sound absorbing element, screw with plug, flat uncoupling washer and single-hole plate.
Two sets are required for the two-hole baseplate.



A. no.	PU
01915	50

2 Pipe and cable penetration

2.1 POLO-RDS Evolution

The innovative pipe and cable duct system features many smart solutions and allows cables and pipes in the dimensions between 8 and 250 mm to be fed through walls simply and safely. The finned pipe made of PP and the sealing elements allow the media pipes to be integrated - and even retrofitted - without difficulty. Patented, yellow assembling controls ensure that the screws are tightened correctly.

2.1.1 Package

POLO-RDS Evolution Package		Description	DN	Sealing range	A. no.	PU
tight wall duct consisting off: • Ribbed pipe Overall length 300 mm • Sealing element(s) 		Finned pipe DN 100, 2 seal elements	100	13-50 mm	01040	1
		Finned pipe DN 150, 1 seal element	150	110 mm	01045	1
		Finned pipe DN 150, 2 seal elements	150	25-65 mm	01046	1
		Finned pipe DN 200, 2 seal elements	200	50-125 mm	01041	1
		Finned pipe DN 200, 1 seal element	200	160 mm	01044	1

2.1.2 Finned pipe

POLO-RDS Evolution Finned pipe		DN	UL	A. no.	PU
tight wall duct 		100	300 mm	01030	8
			600 mm	01070	30
		150	300 mm	01036	8
			300 mm	01031	6
		200	600 mm	01073	12
			300 mm	01034	2
		300	600 mm	01076	6

300 mm

600 mm

POLO-RDS Evolution Floor penetration		DN	UL	A. no.	PU
leakproof flooring duct for direct connection DN 110 or insertion of sealing element DN 100 		110	400 mm	01029	1

POLO-RDS Evolution Longbow		DN	A. no.	PU
for the straightforward insertion of cables and lines. Matches floor penetraion DN 110 and finned pipe 100 		110	01048	75

2.1.3 Seal element

POLO-RDS Evolution Seal element



DN	Sealing range	A. no.	PU
100	13-50 mm	01011	10
	52-58 mm	01014	4
	63 mm	01015	4
DN	Sealing range	A. no.	PU
150	25-65 mm	01024	4
	70-90 mm	01025	4
	110 mm	01026	4
DN	Sealing range	A. no.	PU
200	50-125 mm	01012	4
	160 mm	01013	4
DN	Sealing range	A. no.	PU
300	160 mm	01016	2
	200 mm	01017	2
	250 mm	01018	2

POLO-RDS Evolution Seal element multiple passage



DN	Description	A. no.	PU
100	8, 2 × 10, 12, 14, 16, 18 mm	01010	10
150	5× 8-35 mm	01023	2

POLO-RDS Evolution Seal element dummy



DN	A. no.	PU
100	01020	10
150	01027	4
200	01021	4
300	01022	2

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POLOPLAST GmbH & Co KG
Poloplaststraße 1 . 4060 Leonding . Austria
T +43(0)732.3886 . office@poloplast.com . www.poloplast.com

Personally liable partner: POLOPLAST Management GmbH . 60329 Frankfurt am Main . Germany . Regional Court of Linz . FN 500196 h
Commercial register court: LG Linz . Company registration number: FN22032a

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