



Delivery Range

KG 2000 SN 10 (Polypropylene) Waste water pipes and fittings





Benefits and Advantages of the System

Quality without compromise

- modern highly-developed system with massive wall technology
- extensive full range DN(OD) 110 – 500
- stability under extreme conditions
- improved patented gasket
- high impact resistance
- high abrasion resistance
- smooth surface
- easy to install
- long lasting
- SLW 60 – 0,5 metres corresponding to static standards
- ring stiffness SN 10
- with NBR gasket use as grease pipe with trace heating
- with NBR gasket suitable for the drainage of industrial and petrol station waste water



KG 2000 SN 10 Polypropylene

These days the world is future-oriented and facing modernization. Driven by the speed of today's world the modern man interferes more and more in the nature. As a consequence of our endeavour to pollute the environment as little as possible, the modern KG 2000 SN 10 Polypropylene waste water system has been developed to meet highest demands.

Material Properties

KG 2000 SN 10 (Polypropylene)

Waste water pipes for demanding conditions

Commercial Name

KG 2000 SN10

Material

Polypropylene PP-MD

DIN EN 14758

Application

underground drainage

Nominal diameters DN/OD

110, 125, 160, 200, 250, 315, 400, 500

Installation

DIN EN 1610, DIN EN 476, DIN 1986-100

Colour

spring green RAL 6017

Seal

Factory inlaid SBR gasket acc. to DIN 681
patented gasket

Chemical Resistance

Discharge of aggressive media in the range of pH2 – pH12
see also www.ostendorf-kunststoffe.com

Marking

Pipes and Fittings

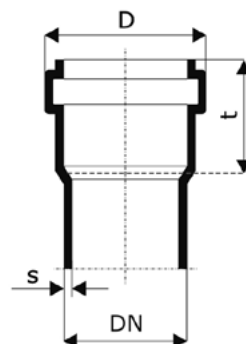
Permanent marking with manufacturer label, nominal diameter, DIN standard (DIN EN 14758) date of manufacture
(Fittings additionally bear information about the nominal angle.)

Pipe Structure

full wall pipe system with homogenous wall structure

Ring Stiffness

SN 10 (acc. to MPA report: > 10 kN/m² acc. to DIN ISO 9969)
usable in heavy load area SLW 60



DN/OD	s (mm)	D (mm)	t (mm)
110	3,4	128,4	72
125	3,9	146,0	80
160	4,9	186,6	95
200	6,2	236,0	123
250	7,7	287,2	133
315	9,7	358,8	155
400	12,3	455,0	180
500	15,3	565,0	205

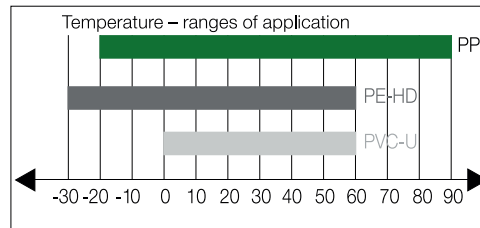


PP – The material of the future

Polypropylene (PP), polypropylene is a thermoplastic material belonging to the group of polyolefins. These plastics have already been used with great success in pipe production for several decades. Polypropylene is also used in the automobile industry and in fuel stations since it meets high safety requirements. Guaranteed safety from a hygienic point of view, resistance to corrosion, good processing properties and several additional factors ensure a wide range of applications.

PP - Properties

With respect to DIN EN 476, polypropylene has excellent thermal properties. It can also be used under extreme conditions.



- High chemical resistance pH2 – pH 12 (acid/alkaline)
 - resistant to bioorganic sulphuric acid corrosion see also www.ostendorf-kunststoffe.com
- High abrasion resistance of PP
 - long lasting and safe in operation
- Excellent impact resistance and extremely tough
 - does not tend to crack or spread cracks
 - robust under mechanical stress (e. g. high-pressure flushing)
- Smooth inside surface
 - optimal hydraulics
 - no incrustation
 - deposits do not get caught
 - self-cleaning, requires less maintenance

An important requirement in private and public waste water systems is a long lasting water-tight pipe connection against leakage of waste water and ground water. The new innovative and patented gasket is a result of a long development. The decisive improvements are achieved by the special design.

The new sealing system

- ① Tensioning lip
- ② Retaining lip
- ③ Wiping lip
- ④ Sealing lip



The function of each gasket element

- ① **Tensioning lip**
The tensioning lip prevents dirt build-up between the pipe wall and the gasket.
- ② **Retaining lip**
The retaining lip causes the tensioning lip to be pressed against the foremost edge of the gasket groove. This stops the gasket ring from being pressed out or rolling.
- ③ **Wiping lip**
The wiping lip serves to keep back any dirt on the pipe.
- ④ **Sealing lip**
The sealing lip assures a tight long-term pipe connection. Leakage test according to DIN EN 1610 with air and water from 0.05 bar to 0.5 bar and vacuum. (System test 3.0 bar MPA Darmstadt).



Insertion forces

The insertion forces are considerably reduced by the special gasket design. This makes installation far easier compared to the usual sewer pipe systems.

Ecological value to the environment

- material Polypropylene PP
- ground water neutral
- durable leak-proof pipe connection

Polypropylene, an environmentally-friendly material due to the method of production, recyclability and the resistance to aggressive media. The new KG 2000 SN 10 sealing system provides enhanced protection against infiltration and exfiltration of waste water into the ground water.

Polypropylene – ecologically valuable, the material of the future.

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KG2000 EM – Single socket pipe (push-fit)

No.	Description	Unit/palett	Unit	
770320	KG2000 EM Single socket pipe DN/OD 110 x 500 mm	80	Palett	
770340	KG2000 EM Single socket pipe DN/OD 110 x 1000 mm	80	Palett	
770360	KG2000 EM Single socket pipe DN/OD 110 x 2000 mm	80	Palett	
770370	KG2000 EM Single socket pipe DN/OD 110 x 3000 mm	80	Palett	NEW!
770380	KG2000 EM Single socket pipe DN/OD 110 x 5000 mm	80	Palett	
770420	KG2000 EM Single socket pipe DN/OD 125 x 500 mm	60	Palett	
770440	KG2000 EM Single socket pipe DN/OD 125 x 1000 mm	54	Palett	
770460	KG2000 EM Single socket pipe DN/OD 125 x 2000 mm	54	Palett	
770470	KG2000 EM Single socket pipe DN/OD 125 x 3000 mm	54	Palett	NEW!
770480	KG2000 EM Single socket pipe DN/OD 125 x 5000 mm	54	Palett	
770520	KG2000 EM Single socket pipe DN/OD 160 x 500 mm	35	Palett	
770540	KG2000 EM Single socket pipe DN/OD 160 x 1000 mm	35	Palett	
770560	KG2000 EM Single socket pipe DN/OD 160 x 2000 mm	35	Palett	
770570	KG2000 EM Single socket pipe DN/OD 160 x 3000 mm	35	Palett	NEW!
770580	KG2000 EM Single socket pipe DN/OD 160 x 5000 mm	35	Palett	
770620	KG2000 EM Single socket pipe DN/OD 200 x 500 mm	20	Palett	
770640	KG2000 EM Single socket pipe DN/OD 200 x 1000 mm	25	Palett	
770660	KG2000 EM Single socket pipe DN/OD 200 x 2000 mm	25	Palett	
770670	KG2000 EM Single socket pipe DN/OD 200 x 3000 mm	25	Palett	NEW!
770680	KG2000 EM Single socket pipe DN/OD 200 x 5000 mm	25	Palett	
770740	KG2000 EM Single socket pipe DN/OD 250 x 1000 mm	16	1	
770770	KG2000 EM Single socket pipe DN/OD 250 x 3000 mm	16	1	
770790	KG2000 EM Single socket pipe DN/OD 250 x 6000 mm	16	1	
770840	KG2000 EM Single socket pipe DN/OD 315 x 1000 mm	9	1	
770870	KG2000 EM Single socket pipe DN/OD 315 x 3000 mm	9	1	
770890	KG2000 EM Single socket pipe DN/OD 315 x 6000 mm	9	1	
770940	KG2000 EM Single socket pipe DN/OD 400 x 1000 mm	4	1	
770970	KG2000 EM Single socket pipe DN/OD 400 x 3000 mm	4	1	
770990	KG2000 EM Single socket pipe DN/OD 400 x 6000 mm	4	1	
771040	KG2000 EM Single socket pipe DN/OD 500 x 1000 mm	4	1	
771070	KG2000 EM Single socket pipe DN/OD 500 x 3000 mm	4	1	
771090	KG2000 EM Single socket pipe DN/OD 500 x 6000 mm	4	1	

KG2000B – Bend



15 Degrees



30 Degrees



45 Degrees



67 Degrees



87 Degrees

No.	Description	Unit/palett	Unit
771300	KG2000-B Bend DN/OD 110 15 Degrees	260	4
771400	KG2000-B Bend DN/OD 125 15 Degrees	160	4
771500	KG2000-B Bend DN/OD 160 15 Degrees	84	4
771600	KG2000-B Bend DN/OD 200 15 Degrees	40	1
771700	KG2000-B Bend DN/OD 250 15 Degrees	24	1
771800	KG2000-B Bend DN/OD 315 15 Degrees	12	1
771900	KG2000-B Bend DN/OD 400 15 Degrees	6	1
771100	KG2000-B Bend DN/OD 500 15 Degrees	2	1
771310	KG2000-B Bend DN/OD 110 30 Degrees	240	4
771410	KG2000-B Bend DN/OD 125 30 Degrees	160	4
771510	KG2000-B Bend DN/OD 160 30 Degrees	84	4
771610	KG2000-B Bend DN/OD 200 30 Degrees	40	1
771110	KG2000-B Bend DN/OD 500 30 Degrees	2	1
771320	KG2000-B Bend DN/OD 110 45 Degrees	200	4
771420	KG2000-B Bend DN/OD 125 45 Degrees	144	4
771520	KG2000-B Bend DN/OD 160 45 Degrees	60	4
771620	KG2000-B Bend DN/OD 200 45 Degrees	38	1
771720	KG2000-B Bend DN/OD 250 45 Degrees	20	1
771820	KG2000-B Bend DN/OD 315 45 Degrees	10	1
771920	KG2000-B Bend DN/OD 400 45 Degrees	4	1
771120	KG2000-B Bend DN/OD 500 45 Degrees	1	1
771330	KG2000-B Bend DN/OD 110 67 Degrees	180	4
771430	KG2000-B Bend DN/OD 125 67 Degrees	120	4
771530	KG2000-B Bend DN/OD 160 67 Degrees	60	2
771350	KG2000-B Bend DN/OD 110 87 Degrees	160	4
771450	KG2000-B Bend DN/OD 125 87 Degrees	108	4
771550	KG2000-B Bend DN/OD 160 87 Degrees	60	2
771655	KG2000-B Bend DN/OD 200 87 Degrees		

Unit
changedavailable from
Q3/2018,
NEW!

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KG2000-EA – Branch 45°

No.	Description	Unit/palett	Unit	
772330	KG2000-EA Branch DN/OD 110/110 45 Degrees	96	4	
772340	KG2000-EA Branch DN/OD 125/110 45 Degrees	76	2	
772440	KG2000-EA Branch DN/OD 125/125 45 Degrees	64	2	
772350	KG2000-EA Branch DN/OD 160/110 45 Degrees	46	2	
772450	KG2000-EA Branch DN/OD 160/125 45 Degrees	40	2	
772550	KG2000-EA Branch DN/OD 160/160 45 Degrees	28	2	
772560	KG2000-EA Branch DN/OD 200/160 45 Degrees	20	1	
772660	KG2000-EA Branch DN/OD 200/200 45 Degrees	15	1	
772760	KG2000-EA Branch DN/OD 250/160 45 Degrees	10	1	
772770	KG2000-EA Branch DN/OD 250/250 45 Degrees	8	1	
772850	KG2000-EA Branch DN/OD 315/160 45 Degrees	7	1	
772860	KG2000-EA Branch DN/OD 315/200 45 Degrees	5	1	
772880	KG2000-EA Branch DN/OD 315/315 45 Degrees	4	1	
772940	KG2000-EA Branch DN/OD 400/160 45 Degrees	3	1	
772960	KG2000-EA Branch DN/OD 400/200 45 Degrees	2	1	
772970	KG2000-EA Branch DN/OD 400/315 45 Degrees	2	1	NEW!
772990	KG2000-EA Branch DN/OD 400/400 45 Degrees	1	1	
771130	KG2000-EA Branch DN/OD 500/160 45 Degrees	2	1	
771150	KG2000-EA Branch DN/OD 500/315 45 Degrees	1	1	NEW!



KG2000-EA – Branch 87°

No.	Description	Unit/palett	Unit
774330	KG2000-EA Branch DN/OD 110/110 87 Degrees	120	4
774350	KG2000-EA Branch DN/OD 160/110 87 Degrees	46	2
774550	KG2000-EA Branch DN/OD 160/160 87 Degrees	32	2



KG2000-U – Coupler

No.	Description	Unit/palett	Unit
778300	KG2000-U Coupler DN/OD 110	280	4
778400	KG2000-U Coupler DN/OD 125	200	4
778500	KG2000-U Coupler DN/OD 160	96	4
778600	KG2000-U Coupler DN/OD 200	54	1
778700	KG2000-U Coupler DN/OD 250	30	1
778800	KG2000-U Coupler DN/OD 315	12	1
778900	KG2000-U Coupler DN/OD 400	8	1
771160	KG2000-U Coupler DN/OD 500	4	1



KG2000-MM – Double socket

No.	Description	Unit/palett	Unit
777300	KG2000-MM Double socket DN/OD 110	280	4
777400	KG2000-MM Double socket DN/OD 125	200	4
777500	KG2000-MM Double socket DN/OD 160	96	4
777600	KG2000-MM Double socket DN/OD 200	54	1
777700	KG2000-MM Double socket DN/OD 250	30	1
777800	KG2000-MM Double socket DN/OD 315	12	1
777900	KG2000-MM Double socket DN/OD 400	8	1
771170	KG2000-MM Double socket DN/OD 500	4	1



KG2000-M – Plug

No.	Description	Unit/palett	Unit
777320	KG2000-M Plug DN/OD 110	780	4
777420	KG2000-M Plug DN/OD 125	580	4
777520	KG2000-M Plug DN/OD 160	260	4
777620	KG2000-M Plug DN/OD 200	160	2
777720	KG2000-M Plug DN/OD 250	100	1
777820	KG2000-M Plug DN/OD 315	50	1
777920	KG2000-M Plug DN/OD 400	32	1
771180	KG2000-M Plug DN/OD 500	12	1

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KG2000-R – Reducer, eccentric

No.	Description	Unit/palett	Unit	
775340	KG2000-R Reducer, eccentric DN/OD 125/110	240	4	
775350	KG2000-R Reducer, eccentric DN/OD 160/110	192	4	
775450	KG2000-R Reducer, eccentric DN/OD 160/125	144	4	Unit changed
775560	KG2000-R Reducer, eccentric DN/OD 200/160	60	2	
775670	KG2000-R Reducer, eccentric DN/OD 250/200	40	1	
775780	KG2000-R Reducer, eccentric DN/OD 315/250	20	1	Unit changed
775880	KG2000-R Reducer, eccentric DN/OD 400/315	10	1	
771190	KG2000-R Reducer, eccentric DN/OD 500/400	4	1	



KG2000-RE – Inspection pipe

No.	Description	Unit/palett	Unit
778310	KG2000-RE Inspection pipe DN/OD 110	80	2
778410	KG2000-RE Inspection pipe DN/OD 125	70	2
778510	KG2000-RE Inspection pipe DN/OD 160	40	1
778610	KG2000-RE Inspection pipe DN/OD 200	20	1



KG2000-UG – Connection piece to cast-iron pipe

No.	Description	Unit/palett	Unit
778320	KG2000-UG Connection piece to cast-iron pipe DN/OD 110	420	4



KG2000-US – Connection piece to stoneware pipe, spigot end

No.	Description	Unit/palett	Unit
777380	KG2000-US Connection piece to stoneware pipe, spigot end DN/OD 110	288	4
777480	KG2000-US Connection piece to stoneware pipe, spigot end DN/OD 125	152	4
777580	KG2000-US Connection piece to stoneware pipe, spigot end DN/OD 160	96	4



KG2000-USM – Connection piece to stoneware pipe, socket

No.	Description	Unit/palett	Unit
777390	KG2000-USM Connection piece to stoneware pipe, socket DN/OD 110	380	4
777590	KG2000-USM Connection piece to stoneware pipe, socket DN/OD 160	168	4

KG2000-BA – Connection to concrete pipe



No.	Description	Unit/palett	Unit
877570	Connection to concrete pipe BA DN/OD 160	90	
877670	Connection to concrete pipe BA DN/OD 200	40	

Sika Watering Cape

The Sika Watering Cap is used in connection with watering pipe DN/OD (OD) 80/110. The laying of the pipe is carried out ringlike around the root ball of the plants. So the water is distributed very fast around the complete root area and leaks from the outlets into the ground. The supply by tank lorries is simplified and a tree population is possible without any problems in a paved area. In these areas (as for example in pedestrian zones) the trees can be supplied not only with water but also with the necessary quantity of nutrients.



No.	Description	Unit/palett	Unit	
662400	Sika Watering cap DN/OD 80/110	432	12	NEW!

KGF PU – Chamber lining



No.	Description	Unit/palett	Unit	
820900	KGF PU Chamber lining DN/OD 110/110	360		Unit changed
821900	KGF PU Chamber lining DN/OD 125/110	280		
822900	KGF PU Chamber lining DN/OD 160/110	168		Unit changed
823900	KGF PU Chamber lining DN/OD 200/110	114		
820910	KGF PU Chamber lining DN/OD 110/240	168		
821910	KGF PU Chamber lining DN/OD 125/240	120		Unit changed
822910	KGF PU Chamber lining DN/OD 160/240	72		
823910	KGF PU Chamber lining DN/OD 200/240	45		
824910	KGF PU Chamber lining DN/OD 250/240	33		
825910	KGF PU Chamber lining DN/OD 315/240	18		
826910	KGF PU Chamber lining DN/OD 400/240	15		
827910	KGF PU Chamber lining DN/OD 500/240	12		

KG2000 – Pull-out protection



No.	Description	Unit/palett	Unit
881535	KG2000 Pull-out protection DN/OD 110	936	26
881575	KG2000 Pull-out protection DN/OD 125	360	15
881580	KG2000 Pull-out protection DN/OD 160	216	9
881585	KG2000 Pull-out protection DN/OD 200	156	13

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KG2000 – Lubricant



No.	Description	Unit/palett	Unit
881800	Lubricant 150 ml	1750	50
881810	Lubricant 250 ml	1800	50
881820	Lubricant 500 ml	864	24
881830	Lubricant 1000 ml	432	12

KG2000 – Lip seal SBR



No.	Description	Unit/palett	Unit
880400	KG2000 Lip Seal SBR DN/OD 110		1
880410	KG2000 Lip Seal SBR DN/OD 125		1
880420	KG2000 Lip Seal SBR DN/OD 160		1
880430	KG2000 Lip Seal SBR DN/OD 200		1
880440	KG2000 Lip Seal SBR DN/OD 250		1
880450	KG2000 Lip Seal SBR DN/OD 315		1
880460	KG2000 Lip Seal SBR DN/OD 400		1
880470	KG2000 Lip Seal SBR DN/OD 500		1

KG2000 – NBR gasket (resistant against oils, petrol and fats (animal, vegetable, mineral))



No.	Description	Unit/palett	Unit
880500	KG2000 NBR gasket DN/OD 110		1
880510	KG2000 NBR gasket DN/OD 125		1
880520	KG2000 NBR gasket DN/OD 160		1
880530	KG2000 NBR gasket DN/OD 200		1
880540	KG2000 NBR gasket DN/OD 250		1
880550	KG2000 NBR gasket DN/OD 315		1
880560	KG2000 NBR gasket DN/OD 400		1
880570	KG2000 NBR gasket DN/OD 500		1

KG2000 – GA-Gasket

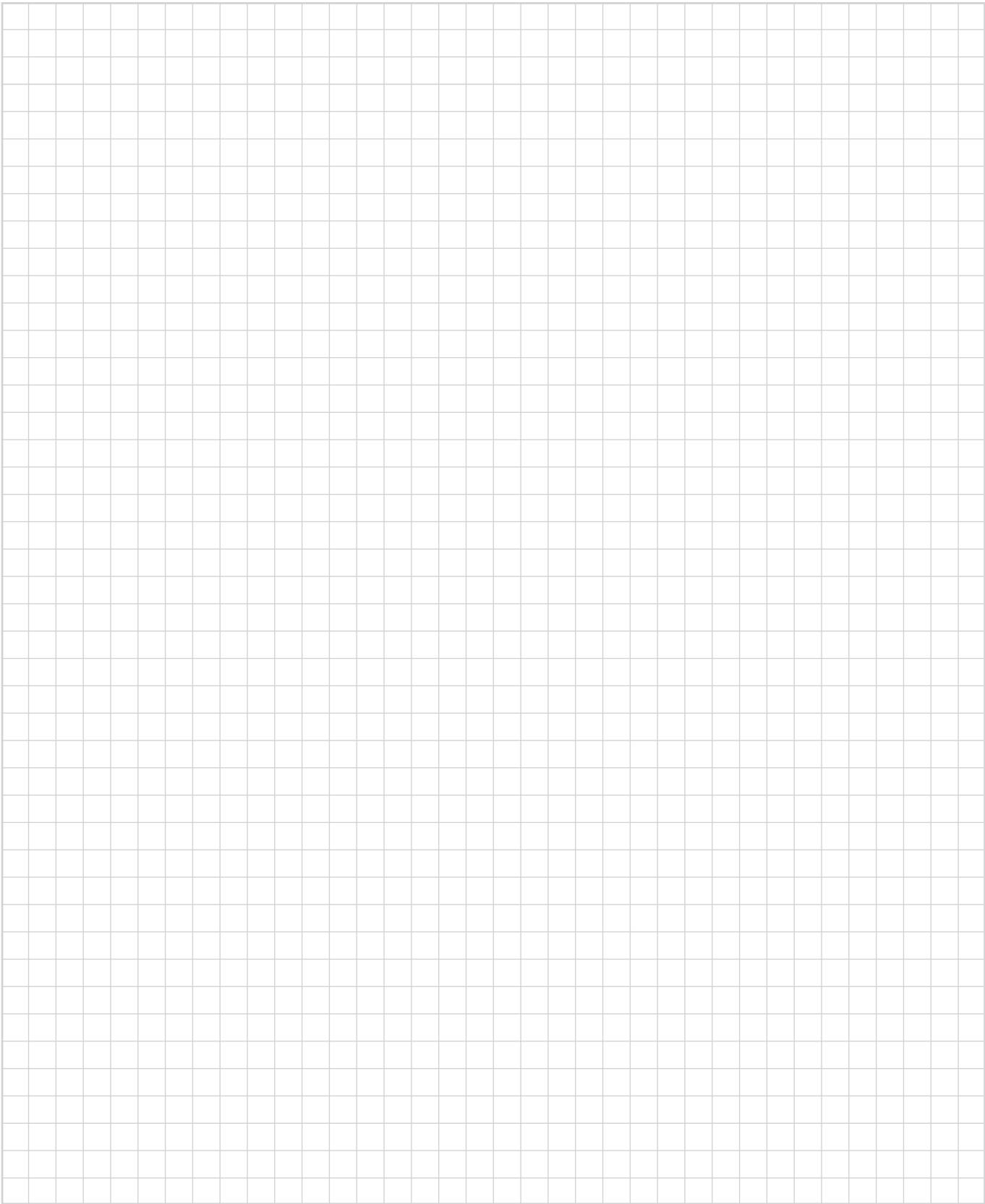


No.	Description	Unit/palett	Unit
881025	GA-Gasket DN/OD 110	1344	16

KG2000 – Profile gasket for KGUS



No.	Description	Unit/palett	Unit
881100	Profile gasket for KGUS DN/OD 110	1500	1
881110	Profile gasket for KGUS DN/OD 125	1100	1
881120	Profile gasket for KGUS DN/OD 160	800	1



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