




vartco
garden + technology

2022



garden



technology

VARTCO BRAND GARDEN + TECHNOLOGY

created out of passion combined with competence





Vartco brand was created out of passion and competence. Our strength is determined by the people who combined their professionalism and enthusiasm to create products of top-notch quality. Our experience reaches over 30 years of tradition in the area of plastics. Throughout this time we focused on developing our production, introducing modern technologies and building our team of professionals. Today, we offer products that contain part of each of us.

We have combined garden and technology into a single whole.
We are looking forward to working with you.

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GARDEN HOSES



FOOD SAFE
product with an inner layer made from materials suitable to come into contact with foodstuffs



ANTI ALGAE
product inhibits algae growth



NO KINK
product is easily disentangled



TEMPERATURE [°C]
product resistant to low and high temperatures



ANTI TWIST
does not twist when used



HEAVY DUTY
product with high resistance to mechanical damage



FLEX
flexible



NEW
new product in the offer



Pressure [BAR]
working pressure in BAR



number of layers within the hose



FOUR SEASON
all-season product



hose class



UV PROTECTED
product resistant to UV radiation



hose wear

Technical specifications

			LIGHT	LIGHT BLUE	LIGHT PLUS	HOME	HOME PLUS	PROFESSIONAL	PROFESSIONAL PLUS	HOPY	
Sizes	1/2"	15m	•								
		20m	•	•	•	•	•	•	•	•	
		25m	•								
		30m	•	•	•	•	•	•	•	•	•
		50m	•	•	•	•	•	•	•	•	•
	5,8"	20m	•								
		30m	•								
		50m	•								
	3/4"	10m	•								
		20m	•	•	•	•	•	•	•	•	•
		30m	•	•	•	•	•	•	•	•	•
		50m	•	•	•	•	•	•	•	•	•
	1"	10m	•								
		20m	•	•	•	•	•	•	•	•	•
		30m	•	•	•	•	•	•	•	•	•
		50m	•	•	•	•	•	•	•	•	•
The number of layers	3	•		•							
	4		•		•		•				
	6							•		•	
Temperature range	-10 / +50 °C	•		•							
	-20 / +60 °C		•		•		•	•			
	-25 / +60 °C								•	•	
Bursting pressure	20 bar	•									
	22 bar		•								
	25 bar			•	•		•				
	27 bar										
	30 bar							•			
	36 bar									•	
Type of braiding	Krzyżowy / Cross	•	•	•	•	•	•	•	•	•	
	Trykotowy / Knitted							•	•	•	
	NTS / No Twist System						•	•	•	•	
Flexibility	Flex	•	•	•	•	•	•	•	•	•	
	Extra Flex								•	•	
Technology	Anti Algae	•	•	•	•	•	•	•	•	•	
	Food Safe						•	•	•	•	
Warranty	2 lata / years	•	•	•							
	7 lat / years				•						
	No limit					•	•	•	•	•	

LIGHT



Properties:

- 3 layers – black core, cross braid from high quality
- polyester yarn, coating
- flexible
- resistant to high and low temperatures
- resistant to UV radiation
- free from cadmium, barium and lead
- resistant to algae deposits



Product code	Size [cal / mm]	Length [m]	EAN code
1001120015	1/2" / 12,5mm	15	5903268093492
1001120020		20	5906874308462
1001120025		25	5903268093508
1001120030		30	5906874308479
1001120050		50	5906874308486
1001580020	5/8" / 15mm	20	5903268092624
1001580030		30	5906874308509
1001580050		50	5903268092631
1001340010	3/4" / 19mm	10	5903268093751
1001340020		20	5906874308493
1001340030		30	5906874308516
1001340050		50	5906874308523
1001100010	1" / 25,4mm	10	5903268093744
1001100020		20	5906874308530
1001100030		30	5906874308547
1001100050		50	5906874308554

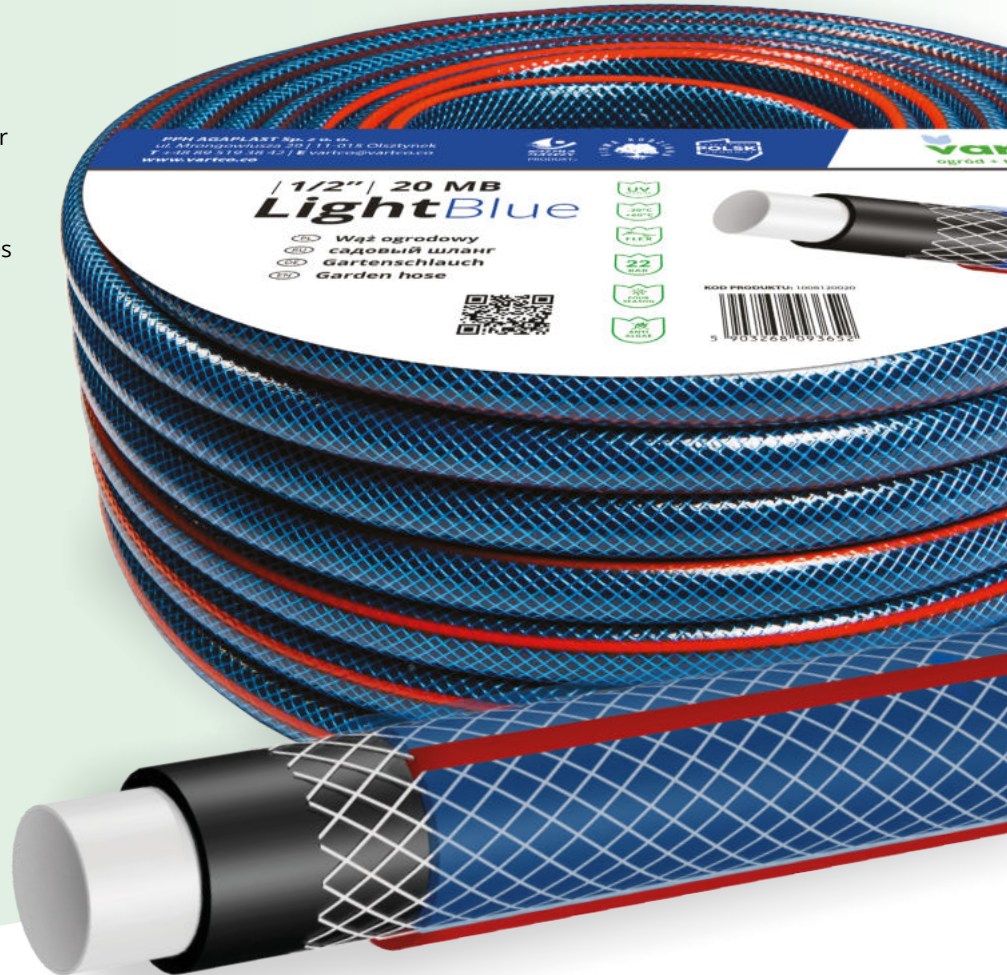


LIGHT BLUE



Properties:

- 4 layers – co-extruded white internal layer connected with black core,
- cross braid from high quality polyester yarn
- transparent coating
- flexible
- resistant to high and low temperatures
- resistant to UV radiation
- free from cadmium, barium and lead
- resistant to algae deposits



Product code	Size [cal / mm]	Length [m]	EAN code
1008120020	1/2" / 12,5mm	20	5903268093652
1008120030		30	5903268093669
1008120050		50	5903268093676
1008340020	3/4" / 19mm	20	5903268093683
1008340030		30	5903268093690
1008340050		50	5903268093706
1008100020	1" / 25,4mm	20	5903268093713
1008100030		30	5903268093720
1008100050		50	5903268093737



LIGHT PLUS



Properties:

- 3 layers – black core, cross braid from high quality
- polyester yarn, coating
- flexible
- resistant to high and low temperatures
- resistant to UV radiation
- free from cadmium, barium and lead
- resistant to algae deposits



Product code	Size [cal / mm]	Length [m]	EAN code
1002120020	1/2" / 12,5mm	20	5906874308561
1002120030		30	5906874308578
1002120050		50	5906874308585
1002340020	3/4" / 19mm	20	5906874308622
1002340030		30	5906874308646
1002340050		50	5906874308639
1002100020	1" / 25,4mm	20	5906874308653
1002100030		30	5906874308660
1002100050		50	5906874308677



Properties:

- 4 layers – co-extruded white internal layer connected with black core, cross braid from high quality polyester yarn, coating
- flexible, solid and durable
- resistant to high and low temperatures
- resistant to UV radiation
- free from cadmium, barium and lead
- resistant to algae deposits



Product code	Size [cal / mm]	Length [m]	EAN code
1003120020	1/2" / 12,5mm	20	5906874308684
1003120030		30	5906874308691
1003120050		50	5906874308707
1003340020	3/4" / 19mm	20	5906874308745
1003340030		30	5906874308752
1003340050		50	5906874308769
1003100020	1" / 25,4mm	20	5906874308776
1003100030		30	5906874308783
1003100050		50	5906874308790

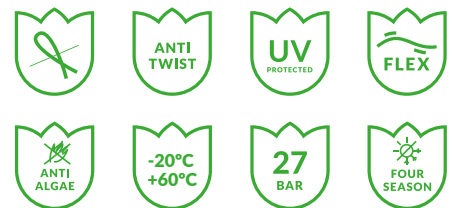


Properties:

- 4 layers – co-extruded white internal layer connected with yellow core, cross braid from high quality polyester yarn, coating
- flexible, solid and durable
- resistant to high and low temperatures
- resistant to UV radiation
- free from cadmium, barium and lead
- resistant to algae deposits



Product code	Size [cal / mm]	Length [m]	EAN code
1007120020	1/2" / 12,5mm	20	5903268093287
1007120030		30	5903268093294
1007120050		50	5903268093300
1007340020	3/4" / 19mm	20	5903268093317
1007340030		30	5903268093324
1007340050		50	5903268093331
1007100020	1" / 25,4mm	20	5903268093348
1007100030		30	5903268093355
1007100050		50	5903268093362



PROFESSIONAL

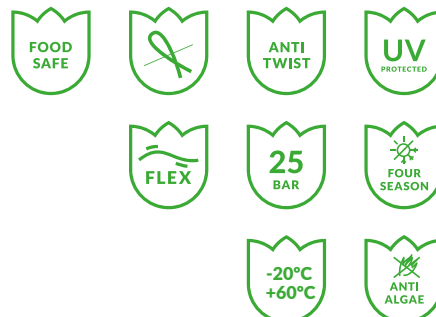


Properties:

- 4 layers – internal layer made from materials suitable for contact with foodstuffs, blue core, knitted fabric braid from polyester yarn of highest quality, thickened transparent blue coating
- NTS (No Twist System) protecting the hose against twisting
- very flexible, durable and strong
- resistant to high and low temperatures
- resistant to UV radiation
- resistant to twisting and kinking
- free from cadmium, barium and lead
- resistant to algae deposits



Product code	Size [cal / mm]	Length [m]	EAN code
1004120020	1/2" / 12,5mm	20	5906874308806
1004120030		30	5906874308813
1004120050		50	5906874308820
1004340020	3/4" / 19mm	20	5906874308837
1004340030		30	5906874308844
1004340050		50	5906874308851
1004100020	1" / 25,4mm	20	5906874308875
1004100030		30	5906874308868
1004100050		50	5906874308882



PROFESSIONAL PLUS



Properties:

- 6 layers – internal layer made from materials suitable for contact with foodstuffs, black core, cross braid from polyester yarn of highest quality, black coating, knitted fabric braid from polyester yarn of highest quality, gray cover coating with a red stripe
- NTS (No Twist System) protecting the hose against twisting
- very flexible, durable and strong
- resistant to high and low temperatures
- resistant to UV radiation
- resistant to twisting and kinking
- free from cadmium, barium and lead
- resistant to algae deposits



Product code	Size [cal / mm]	Length [m]	EAN code
1005120020	1/2" / 12,5mm	20	5906874308899
1005120030		30	5906874308905
1005120050		50	5906874308912
1005340020	3/4" / 19mm	20	5906874308929
1005340030		30	5906874308936
1005340050		50	5906874308943
1005100020	1" / 25,4mm	20	5906874308950
1005100030		30	5906874308967
1005100050		50	5906874308974



HOPPY



Properties:

- 6 layers – internal layer made from materials suitable for contact with foodstuffs, ecological black core made from recycled materials, cross braid, white coating, knitted fabric braid from polyester blue yarn of highest quality, transparent grey coating,
- innovative garden hose developed with focus on the environment
- NTS (No Twist System) protecting the hose against twisting
- very flexible, durable and strong
- resistant to high and low temperatures
- resistant to UV radiation
- resistant to twisting and kinking
- free from cadmium, barium and lead
- resistant to algae deposits



Product code	Size [cal / mm]	Length [m]	EAN code
1006120020	1/2" / 12,5mm	20	5906874308981
1006120030		30	5906874308998
1006120050		50	5903268090002
1006340020	3/4" / 19mm	20	5905279422926
1006340030		30	5903268090026
1006340050		50	5903268090033



GENERAL INFORMATION

Storage and use of plastic hoses is essential for their durability. The physical properties of plastics change during the entire lifecycle of the hose. These changes are the most widely distributed in time may accelerate if the hose is subject to long-term exposures to sunlight, mechanical damages or inappropriate storage of either twisted or kinked hoses.

RULES FOR SELECTING A HOSE

Obtaining optimum performance of the hose can be achieved by using appropriate accessories and, above all, through the selection of a hose depending on the indoor and outdoor conditions in which the product will be operating. By analyzing the actual working conditions, we select: diameter, type and quality of the hose. We should determine the parameters associated with the media that we wish to transfer at a distance through the hose.

Compliance with the general rules ensures optimized selection of the hose according to the needs:

- specify the material/ media you want to transfer
- verify the connection and compatibility in relation to the diameters
- determine the exact size and length of the hose taking into account the length tolerance
- remember not to exceed the recommended pressure

STORAGE

The optimal temperature in which to store plastic hoses is from 10°C to 25°C. It is not recommended to store hoses at temperatures above 40°C. Remember that low temperatures and especially the temperature below 0°C negatively affect the stored hoses. We also recommend to avoid storing the hoses in the immediate vicinity of heat sources. We recommend that hoses that do not have special purpose not to be used and stored with active chemical substances, including solvents, acids, disinfectants as well as oils, lubricants and fuel.

The storage period for hoses should be shortened as much as possible. During storage, remember to make sure that humidity does not exceed 65%. Hoses should be stored without stress, compression and any other factors that might contribute to the deformation of the hoses. We pay particular attention to not damage the hoses during transport. Hoses should be protected from rodents. You should also pay attention to make sure that the hoses do not constitute a form of fun for dogs and cats, and other domestic animals.

EXPLOITATION

We recommend that you make sure to not damage the hose with a sharp object when opening the packaging. Before the operation, you should inspect the hose visually, in particular, making sure that the hose is not blocked on either ends, is not cut or free from mechanical damage.

Be sure to use the hoses in accordance with their intended purpose. Do not exceed the working pressure specified for each type of hose. It is important that the transferred media have the recommended temperature, which must not be exceeded. Hoses must be properly used without breaking the structure of the hose or twisting and tangling it. Excessive load when twisting the hose or its tangling might cause changes in its structure, which may in turn lead to loss of efficiency and consequently to bursting of the hose.

In case of "permanent" installation, you should pay close attention that the hose can freely move with increased pressure. In case of "mobile" installations, you should pay close attention that the hose is not rubbing against sharp objects or sharp edges of walls so as to prevent the uncontrolled collapse of the hose.

We recommend to not keep these hoses under pressure if there is no such necessity. Also note that the hoses under pressure require particular attention and caution.

MINTENANCE

Its frequency should depend on how often the hose is used. When checking the hose, pay attention whether the hose is securely connected, there are no visible cracks, deformations or irregularities on its outer structure. The appearance of bubbles in conditions under pressure, as well as deformation and local bulges, will indicate the need to replace the hose. We do not recommend repair the hoses. In the event of damage to the ends, the end can be cut.



TECHNICAL HOSES

TECHNICAL HOSES



Properties:

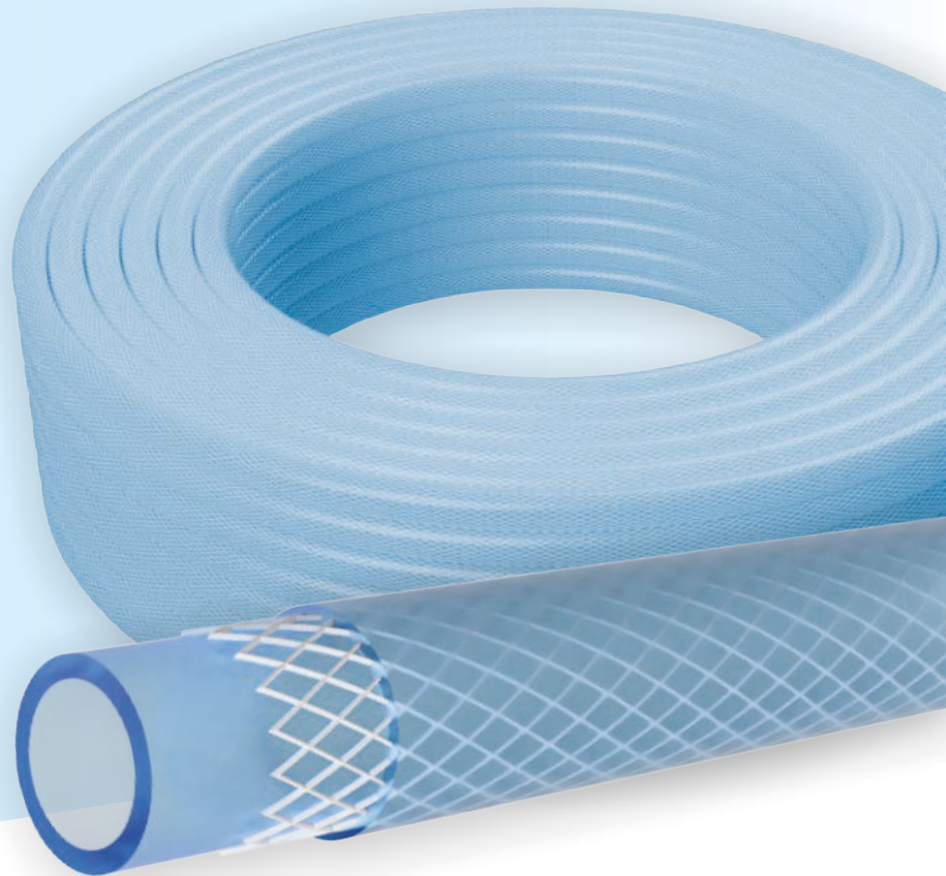
- versatile 3-layer hoses
- the intermediate layer is made of strong polyester
- threads in cross braid
- made of PVC
- flexible and light
- resistant to mechanical damage
- effective operation at low and high temperatures
- (from -30°C to +70°C)
- resistant to UV radiation

Application:

- transmission of water, compressed air and light chemicals

Color:

- transparent blue as default



Product code		Inner diameter [mm]	Wall thickness [mm]	Length [m]	Working pressure in 20° C [bar]	EAN code	
25 m	50 m					25 m	50 m
1101052525	1101052550	5,0	2,5	25/50	20	5903268090170	5903268090385
1101062025	1101062050	6,0	2,0	25/50	12	5903268090187	5903268090392
1101062525	1101062550	6,0	2,5	25/50	21	5903268090194	5903268090408
1101063025	1101063050	6,0	3,0	25/50	22	5903268090200	5903268090415
1101062525	1101062550	8,0	2,5	25/50	19	5903268090217	5903268090422
1101083025	1101083050	8,0	3,0	25/50	19	5903268090224	5903268090439
1101092525	1101092550	9,0	2,5	25/50	15	5903268090231	5903268090446
1101093025	1101093050	9,0	3,0	25/50	18	5903268090248	5903268090453
1101102525	1101102550	10,0	2,5	25/50	17	5903268090255	5903268090460
1101103025	1101103050	10,0	3,0	25/50	18	5903268090262	5903268090477
1101122525	1101122550	12,0	2,5	25/50	18	5903268090279	5903268090484
1101123025	1101123050	12,0	3,0	25/50	20	5903268090286	5903268090491
11011252525	11011252550	12,5	2,5	25/50	15	5903268090293	5903268090507
11011253025	11011253050	12,5	3,0	25/50	20	5903268090309	5903268090514
1101143025	1101143050	14,0	3,0	25/50	15	5903268090323	5903268090538
1101163025	1101163050	16,0	3,0	25/50	12	5903268090330	5903268090545
1101193025	1101193050	19,0	3,0	25/50	13	5903268090347	5903268090552
1101254025	1101254050	25,0	4,0	25/50	6	5903268090354	5903268090569
1101324525	-	32,0	4,5	25	5	5903268090361	-
1101385025	-	38,0	5,0	25	4	5903268090378	-

HOSES WITH INCREASED STRENGTH



Properties:

- 3-layer hoses with increased strength
- the intermediate layer is made of additionally reinforced polyester threads in cross braid
- made of PVC
- despite increased strength and weight – they are still
- flexible and light
- thanks to increased wall thickness, the hose is even more resistant to mechanical damage
- effective operation at low and high temperatures
- (from -30°C to +70°C)
- resistant to UV radiation
- free from cadmium, barium and lead

Application:

- transmission of water, compressed air and light chemicals

Color:

- black in the default offer



Product code		Inner diameter [mm]	Wall thickness [mm]	Length [m]	Working pressure in 20° C [bar]	EAN code	
25 m	50 m					25 m	50 m
11081253025	11081253050	12,5	3,0	25/50	27	5905279422827	5905279422889
1108163025	1108163050	16,0	3,0	25/50	22	5905279422834	5905279422896
1108193025	1108193050	19,0	3,0	25/50	22	5905279422841	5903268091177
1108254025	1108254050	25,0	4,0	25/50	15	5905279422858	5903268091184
1108324525	-	32,0	4,5	25	10	5905279422865	-
1108385025	-	38,0	5,0	25	10	5905279422872	-

FOR PETROL AND OIL



Properties:

- 3-layer specialist hoses (reinforced with polyester thread)
- and 1-layer hoses (not reinforced)
- made of PVC
- special composition of the hose core with focus on specialist use for oil and petrol
- flexible and light
- resistant to mechanical damage
- effective operation at low and high temperatures
- (from -30°C to +70°C)
- Free from cadmium, barium and lead

Application:

- transmission of fuels, petroleum derivatives and mineral oils

Color:

- transparent blue as default



Product code		Inner diameter [mm]	Wall thickness [mm]	Length [m]	EAN code	
reinforced	unreinforced				reinforced	unreinforced
-	1104031025	3,0	1,0	25	-	5903268093768
-	1104041025	4,0	1,0	25	-	5903268093782
-	1104051525	5,0	1,5	25	-	5903268090774
1103061425	1104061525	6,0	1,4 / 1,5	25	5903268090736	5903268090781
1103081625	1104081525	8,0	1,6 / 1,5	25	5903268090743	5903268090798
1103101725	1104101525	10,0	1,7 / 1,5	25	5903268090750	5903268090804
1103121825	1104121525	12,0	1,8 / 1,5	25	5903268090767	5903268090811
-	1104031050	3,0	1,0	50	-	5903268093775
-	1104041050	4,0	1,0	50	-	5903268093799
-	1104051550	5,0	1,5	50	-	5903268090866
1103061450	1104061550	6,0	1,4 / 1,5	50	5903268090828	5903268090873
1103081650	1104081550	8,0	1,6 / 1,5	50	5903268090835	5903268090880
1103101750	1104101550	10,0	1,7 / 1,5	50	5903268090842	5903268090897
1103121850	1104121550	12,0	1,8 / 1,5	50	5903268090859	5903268090903

PLASTICISED PVC HOSES



Properties:

- węże 1 warstwowe
- produkowane z PVC
- elastyczne i lekkie
- odporne na uszkodzenia mechaniczne
- efektywna praca w niskich i wysokich temperaturach (-20°C do +60°C)
- odporne na promieniowanie UV
- wolne od kadmu, baru i ołowiu

Application:

- transmission of water, other liquids and air at low operating pressure
- perfect as metal part protectors
- the hoses can come into contact with liquid food
- (water solutions up to pH of 4.5 and with alcohol content
- of up to 10%) to the exclusion of food with fat (e.g. oil in water)

Color:

- transparent as default



Product code		Inner diameter [mm]	Wall thickness [mm]	Length [m]	Working pressure in 20° C [bar]	EAN code	
25 m	50 m					25 m	50 m
1106031025	1106031050	3,0	1,0	25/50	12	5903268090941	5903268091047
1106041025	1106041050	4,0	1,0	25/50	10	5903268090958	5903268091054
1106051025	1106051050	5,0	1,0	25/50	8	5903268090965	5903268091061
1106061025	1106061050	6,0	1,0	25/50	6	5903268090972	5903268091078
1106081325	1106081350	8,0	1,3	25/50	12	5903268090989	5903268091085
1106101525	1106101550	10,0	1,5	25/50	10	5903268092648	5903268091092
1106121525	1106121550	12,0	1,5	25/50	7	5903268090996	5903268091108
1106162025	1106162050	16,0	2,0	25/50	5	5903268091009	5903268091115
1106192025	1106192050	19,0	2,0	25/50	3	5903268091016	5903268091122
1106201525	1106201550	20,0	1,5	25/50	x	5903268091023	5903268091139
1106253025	1106253050	25,0	3,0	25/50	x	5903268091030	5903268091146

PRESSURE HOSES FOR COMPRESSORS



Properties:

- 3-layer specialist hoses
- the intermediate layer is a thickened braid from polyester, which very much
- boosts strength parameters of the hose
- made of PVC
- flexible and light
- resistant to mechanical damage
- effective operation at low and high temperatures
- (-10 °C to +65 °C)
- equipped with a metal nut for a car compressor and a terminal for wheel pumping
- resistant to UV radiation
- free from cadmium, barium and lead

Application:

- conduit for compressors, hand and foot pumps

Color:

- mat black as default



Product code	Inner diameter [mm]	Wall thickness [mm]	Length [m]	Working pressure in 20 °C [bar]	EAN code
1105052008	5,0	2,0	8	20	5903268090910
1105052012	5,0	2,0	12	20	5903268090927
1105052018	5,0	2,0	18	20	5903268090934

LPG HOSES



Features:

- professional 3-layer hose
- an intermediate layer made of additionally reinforced cross-sectional polyester yarn
- made of PVC
- flexible and light
- resistant to mechanical damage
- effective work at low and high temperatures (-10 °C to +50°C)
- free of cadmium, barium and lead

Usage:

- Used to install LPG on gas stoves, lamps, refrigerators charged with liquefied petroleum gas

Color:

- orange

At the customer's request:

- personalization of the packaging method



Product code	Inner diameter [mm]	Wall thickness [mm]	Length [m]	EAN code
1503930025	9,0	3,0	25	5905279422902
1503930050	9,0	3,0	50	5903268093805





OTHER PRODUCTS

GARDEN EDGES



Properties:

Made of flexible plastic allowing you to set the edge in any way you want. Thanks to its flexibility and resistance to low and high temperatures (many-season product!) it is a perfect article for household applications.

Application:

The offered article serves to separate individual parts of the garden – perfect for setting boundaries of the lawn, flower or cultivated area. The product can help you fight lawn overgrowing.



Garden edges brown

Product code	Width [cm]	Length [m]	EAN code
1301100900	10	9	5903268090118
1301150900	15	9	5903268090125
1301200900	20	9	5903268090132

Garden edges green

Product code	Width [cm]	Length [m]	EAN code
1302100901	10	9	5903268090149
1302150901	15	9	5903268090156
1302200901	20	9	5903268090163

TRIMMER LINE



Properties:

- made of the highest quality polyamide
- very durable, flexible, resistant to abrasion
- free of cadmium, barium and lead
- fits all types of string trimmer heads
- color variation allows easy selection of the line cross-section (round, square, star)
- available in four sizes 1.6mm; 2.0mm; 2.4mm; 3,0mm

Application:

- used for trimming and mowing with battery, electric and petrol devices
- thanks to the availability of different sizes it is perfect for mowing grass, weeds, wild shrubs etc.
- designed for individual users, semi-professionals as well as for companies maintaining greenery



Shape	Product code	Thickness [mm]	Length [m]	EAN code
●	1701160015	1,6	15	5903268093379
	1701200015	2,0	15	5903268093386
	1701240015	2,4	15	5903268093393
	1701300015	3,0	15	5903268093409
■	1702160015	1,6	15	5903268093416
	1702200015	2,0	15	5903268093423
	1702240015	2,4	15	5903268093430
	1702300015	3,0	15	5903268093447
★	1703160015	1,6	15	5903268093454
	1703200015	2,0	15	5903268093461
	1703240015	2,4	15	5903268093478
	1703300015	3,0	15	5903268093485

TENNIS COURT TAPES



Application:

- made of soft PVC
- used to indicate the tennis playing field
- the offered assembly constitutes a complete package for taping a tennis court

Packaging:

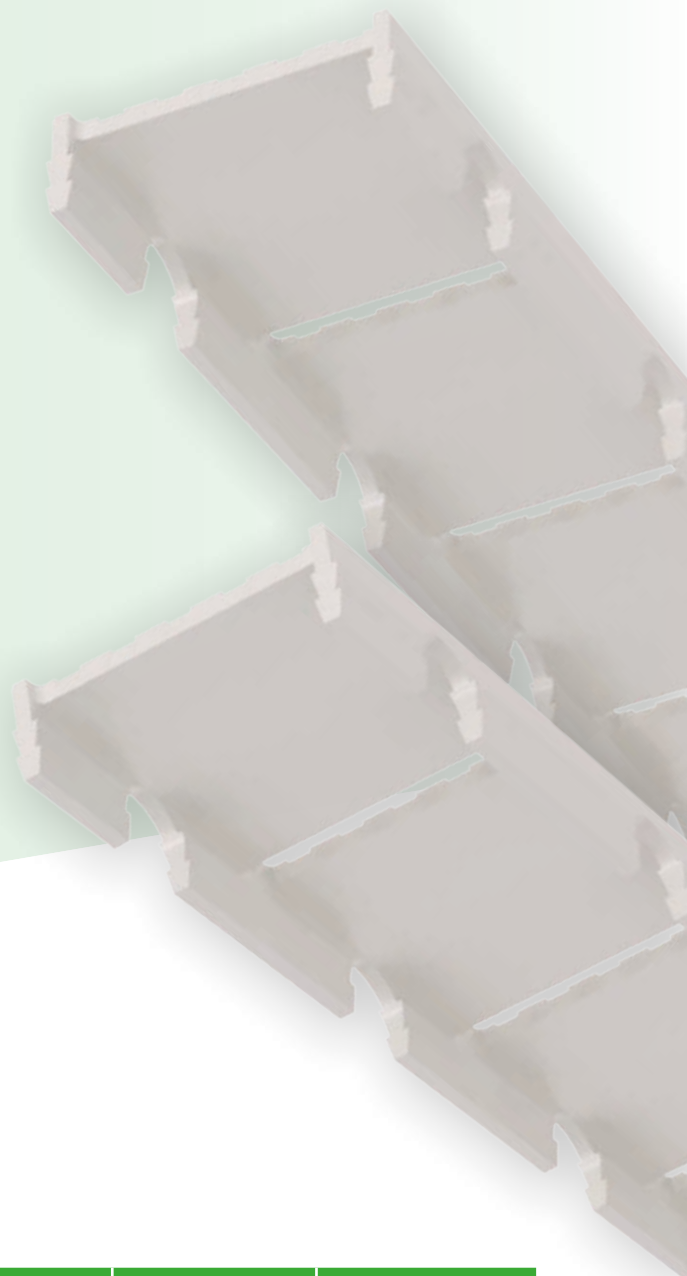
- set in the carton 60cm x 60cm x 30cm

Set components

Item no.	name	quantity	unit
1	tape for indicating the centre service line	13	m
2	tape for indicating the service line	17	m
3	tape for indicating the baseline	22	m
4	tape for indicating the singles sidelines	24	m
5	tape for indicating the singles sidelines	24	m
6	tape for indicating the singles sidelines	24	m
7	tape for indicating the singles sidelines	24	m
8	L-type hooks	18	item
9	ground dowels	18	item

Individual items

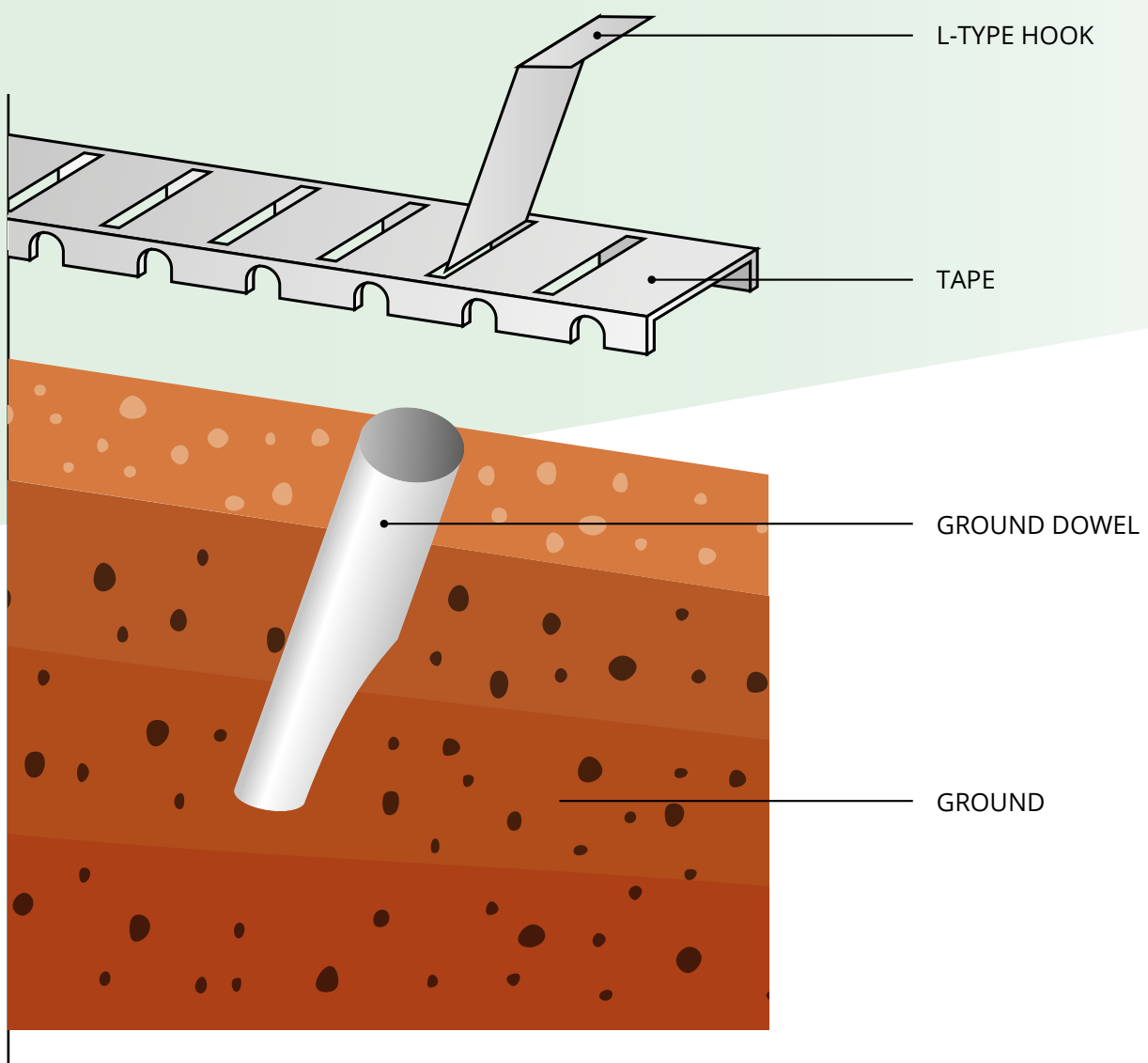
Product code	Product	Packaging	Warranty [year]	EAN code
1402000000	tennis court net full set	set	2	5903268090071
1402010000	tennis court net m	m	2	5903268090088
1402020000	L-type hooks	item	2	5903268090095
1402030000	ground dowels	item	2	5903268090101



ASSEMBLY OF THE TENNIS COURT TAPES



Place the metal ground dowel in the ground. Lay the tennis court tape on the ground and fasten it with the L-type hook. The dowel should be pushed under an angle to adjust it to the ground dowel fastened within the ground.



ORCHARD POLES



Properties:

- pole additionally stiffened with internal ribbing
- low weight thanks to used materials
- made of non-plasticised PVC
- thanks to stiffness and hardness, it is resistant to impacts and deformations
- for multiple use
- it retains its properties both at low and at high temperatures

Application:

- gardening
- horticulture
- perfect for stiffening trees and tying plants up

Color:

- white, grey, black

Upon the client's request:

- different lengths



Product code	Outer diameter [mm]	Wall thickness [mm]	Length [m]	Color	Warranty [year]	EAN code
1201350230	35	2	3	biały	2	5903268091214



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