

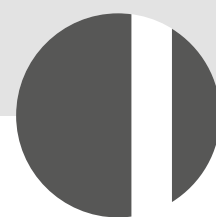
# TRIPLUS



## Niskoszumowy system trójwarstwowej kanalizacji wewnętrznej

*Triple layer soundproof waste and drainage system inside the buildings*

*Système acoustique à triple couche pour l'évacuation à l'intérieur des bâtiments*

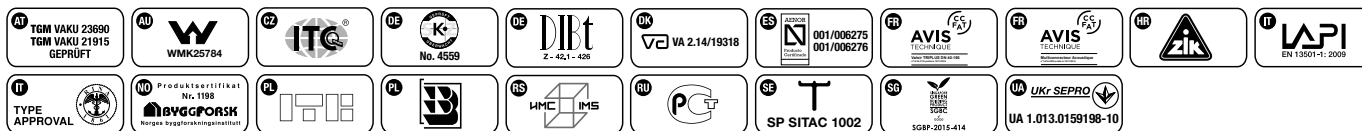


MADE IN ITALY

**04/2022**  
KATALOG/CENNIK  
CATALOGUE/PRICE LIST - CATALOGUE/TARIF  
L02-452/8

**valsir**<sup>®</sup>  
QUALITY FOR PLUMBING

HOMOLOGACJE  
QUALITY APPROVALS  
HOMOLOGATIONS



LEGENDA  
LEGEND  
LÉGENDE

Skróty Abbreviations Abréviations	Jednostki miary Measurement units Unité de mesure	Opis Description Désignation
KOD	-	Kod towaru - Item code - Référence de l'article
CL	-	Kod rabatu - Discount category - Groupe produit
pln/szt	pln	Cena za sztukę - Price for piece - Prix unitaire, poids
D	mm	Średnica - Diameter - Diamètre
DN	mm	Średnica nominalna - Nominal diameter - Diamètre nominale
	n°	Ilość w opak. jednostkowym - Pieces per pack - Prix par conditionnement
	n°	Ilość na warstwie palety - Pieces per pallet layer - Pièce par surpalette
	n°	Ilość na palecie - Pieces per pallet - Pièces par palette
HxLxP	mm	Wymiary palety - Pallet dimensions - Dimensions de la palette
α	°	Kąt - Sexagesimal degree - Angle
Mod.	-	Model - Model - Modèle
Conf.	-	Sposób pakowania - Packaging - Conditionnement

Wszystkie wymiary podano w mm z wyjątkiem przypadków, w których zostały wyrażone inaczej.  
All the dimensions in this price list are in mm except as otherwise expressed.  
Toutes les dimensions reportées dans le tarif sont exprimées en mm si aucune autre précision.

Produkty Valsir dostarczone są w pełnych opakowaniach zgodnie z ilościami wyszczególnionymi w katalogu.

Towary zamawiane w ilościach nieodpowiadających pełnym opakowaniom, zostaną zaokrąglone.

Valsir S.p.A. zastrzega sobie prawo do modyfikacji właściwości produktów przedstawianych w katalogu bez uprzedniego informowania. Ilustracje produktów w katalogu są przedstawione tylko w celach informacyjnych, dlatego też wygląd ich może odbiegać od rzeczywistego.

Valsir pragnie z góry przeprosić za ewentualne błędy drukarskie w niniejszym katalogu.

W przypadku natrafienia na jakiegokolwiek błąd prosimy o poinformowanie nas o tym i przesłanie nam własnych sugestii i komentarzy.

Valsir products are delivered according to the package quantity specified in this price list. Product requests not matching our package quantities will be rounded up, to the package quantity or a multiple of the same.

Valsir S.p.A. reserves the right to modify the characteristics of the products shown in this price list at any time. The colours in this price list are shown for representation purposes only.

To learn more about our sales conditions, warranty terms and to send us your opinion of Valsir, please refer to our services Card (booklet L02-416) or the "SUPPORT" section of our web site [www.valsir.it](http://www.valsir.it).

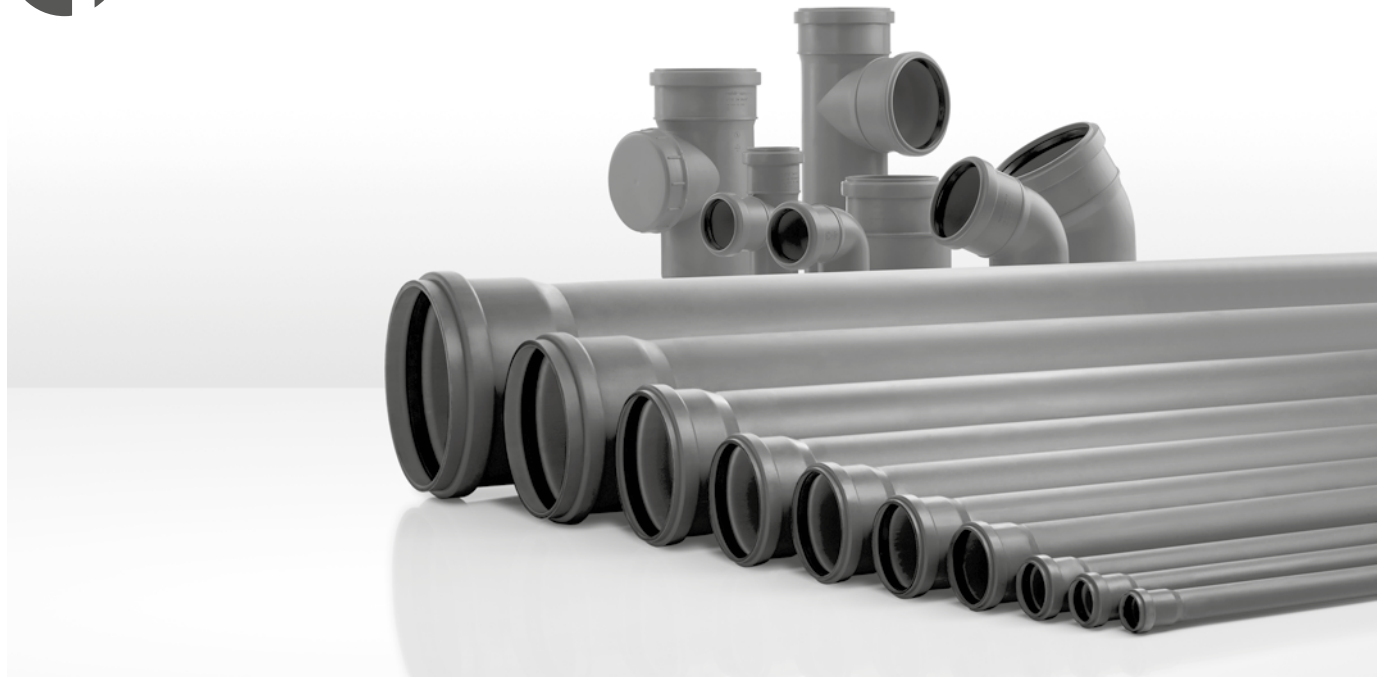
Please feel free to notify us your comments.

Les livraisons des produits Valsir sont effectuées au conditionnement complet. Toutes commandes ne correspondant pas au conditionnement seront arrondies sans préavis au conditionnement supérieur.

Valsir S.p.A. se réserve le droit de modifier à tout moment les caractéristiques des produits présentés sur ce tarif. Les couleurs reproduites dans ce tarif sont à titre indicatif.

Pour connaître les conditions de vente, les termes de garantie et exprimer son niveau de satisfaction sur Valsir, nous vous prions de vous reporter au Document des services (fascicule L02-433) et à la session «SUPPORT» du site web : [www.valsir.fr](http://www.valsir.fr).

Nous invitons tous les utilisateurs à nous faire part de leurs éventuelles observations.



## TRIPPLUS®: EWOLUCJA KIELICHOWYCH SYSTEMÓW KANALIZACYJNYCH

TRIPPLUS®: THE EVOLUTION OF PUSH-FIT WASTE AND DRAINAGE SYSTEMS

TRIPPLUS® : L'ÉVOLUTION DES SYSTÈMES D'ÉVACUATION À EMBOÎTURE

### CHARAKTERYSTYKA

- Wysoka odporność mechaniczna w niskich temperaturach.
- Doskonałe właściwości dźwiękochłonne. Przy prędkości przepływu 2 l/s poziom hałasu 12 dB(A) zgodnie z normą EN 14366.
- Szybka i łatwa instalacja, bez użycia specjalistycznych narzędzi, dzięki kielichowemu połączeniu.
- Rury dostarczane w różnych długościach z dwoma kielichami, co umożliwia zredukowanie odpadów materiału.
- Odporność na chwilowy przepływ medium w temperaturze do 95°C.
- Wysoka odporność chemiczna na substancje rozpuszczone w domowych i przemysłowych ściekach.
- Łatwe połączenie z innymi systemami kanalizacyjnymi (żeliwo, PP, PVC, itp).
- Niski współczynnik rozszerzalności cieplnej.
- Możliwość recyklingu produktu, procesy wykorzystywane do jego produkcji oparte są na zasadach Green Building.

### CHARACTERISTICS

- Material offers a high impact resistance at low temperatures.
- This system guarantees high performance soundproofing. At a flow rate of 2 l/s noise levels of 12 dB(A) were measured, in compliance with EN 14366.
- Extremely simple and fast to install without the need for any special tools thanks to the push-fit connection.
- The pipes are supplied in various lengths with two sockets thus allowing reductions in left-over material.
- Resistance to intermittent discharges at temperatures as high as 95°C.
- High chemical resistance to substances dissolved in civil and industrial waste waters.
- Easily connected to other waste systems (cast iron, PP, PVC, etc.).
- Low coefficient of thermal expansion.
- The product, its recyclability and the production processes used are based on the Green Building principles.

### CARACTERISTIQUES

- Matière caractérisée par une résistance élevée à basse température.
- Excellentes performances de réduction sonore du système : avec un débit de 2 l/s le niveau sonore relevé selon la norme EN 14366 est de 12 dB(A).
- Rapidité et facilité de mise en œuvre sans l'aide d'outillage particulier grâce à la technologie de raccordement à emboîture avec joint.
- Les tubes sont disponibles en différentes longueurs et double emboîtement, réduisant ainsi les déchets au minimum.
- Résistance aux évacuations jusqu'à une température de pointe de 95°C.
- Résistance chimique élevée au contact de substances dissoutes dans les eaux d'évacuation domestiques et industrielles.
- Compatibilité de raccordement avec les autres systèmes d'évacuation (fonte, PP, PVC, etc.).
- Faible coefficient de dilatation thermique.
- Le produit, sa recyclabilité et les processus de production sont basés sur les principes du Green Building.

# ASORTYMENT KANALIZACJI TRIPLUS

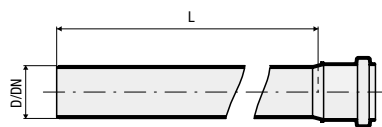
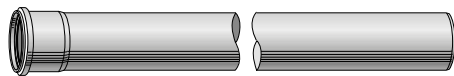
TRIPLUS WASTE RANGE





GAMME ÉVACUATION TRIPLUS

## HTEM rura jednokielichowa





HTEM Single socket pipe

HTEM tube 1 emboiture



KOD	D	DN	L	kg				HxLxP 	CL	pln/szt
VS0650001	32	30	150	0,055	30	240	1680	100x800x1200	TP01	8,50
VS0650003	32	30	250	0,071	30	240	1680	100x800x1200	TP01	11,01
VS0650005	32	30	500	0,126	30	180	900	90x800x1200	TP01	15,22
VS0650007	32	30	1000	0,238	24	120	840	1200x1100x1200	TP01	23,88
VS0650009	32	30	1500	0,322	24	120	840	1200x1600x1200	TP01	36,51
VS0650011	32	30	2000	0,441	24	120	840	1200x2100x1200	TP01	44,33
VS0650013	32	30	3000	0,655	24	120	840	1200x3100x1200	TP01	67,07
VS0650021	40	40	150	0,069	30	240	1200	1030x800x1200	TP01	8,50
VS0650023	40	40	250	0,091	30	240	960	1010x800x1200	TP01	11,01
VS0650025	40	40	500	0,160	50	200	600	970x800x1200	TP01	15,22
VS0650027	40	40	1000	0,311	20	100	500	1075x1130x1220	TP01	23,88
VS0650029	40	40	1500	0,457	20	100	500	1075x1630x1220	TP01	36,70
VS0650031	40	40	2000	0,594	20	100	500	1075x2130x1220	TP01	44,33
VS0650033	40	40	3000	0,895	20	100	500	1075x3130x1220	TP01	71,63
VS0650041	50	50	150	0,089	30	240	960	1010x800x1200	TP01	9,72
VS0650043	50	50	250	0,123	30	240	720	1015x800x1200	TP01	11,64
VS0650045	50	50	500	0,213	35	140	420	970x800x1200	TP01	16,48
VS0650047	50	50	1000	0,386	30	120	360	1140x1130x1200	TP01	23,91
VS0650049	50	50	1500	0,581	30	120	360	1140x1630x1200	TP01	38,99
VS0650051	50	50	2000	0,779	30	120	360	1140x2130x1200	TP01	49,29
VS0650053	50	50	3000	1,137	30	120	360	1140x3130x1200	TP01	77,15
VS0650061	75	70	150	0,186	20	160	320	1050x800x1200	TP01	17,66
VS0650063	75	70	250	0,269	20	160	320	1050x800x1200	TP01	20,69
VS0650065	75	70	500	0,471	20	80	240	1075x800x1200	TP01	27,93
VS0650067	75	70	1000	0,899	20	60	180	1150x1150x1260	TP01	40,16
VS0650069	75	70	1500	1,283	20	60	180	1150x1650x1260	TP01	57,24
VS0650071	75	70	2000	1,723	20	60	180	1150x2150x1260	TP01	75,22
VS0650073	75	70	3000	2,400	20	60	180	1150x3150x1260	TP01	111,68
VS0650081	90	90	150	0,283	24	96	384	1050x800x1200	TP01	19,40
VS0650083	90	90	250	0,403	24	96	288	1165x800x1200	TP01	24,83
VS0650085	90	90	500	0,698	24	96	192	1300x800x1200	TP01	37,52
VS0650087	90	90	1000	1,317	10	-	120	1140x1150x1200	TP01	59,13
VS0650089	90	90	1500	1,855	10	-	120	1140x1650x1200	TP01	81,66
VS0650091	90	90	2000	2,545	10	-	120	1140x2150x1200	TP01	112,12
VS0650093	90	90	3000	3,060	10	-	120	1140x3150x1200	TP01	162,42
VS0650101	110	100	150	0,386	15	60	240	1050x800x1200	TP01	22,54
VS0650103	110	100	250	0,552	15	60	180	1165x800x1200	TP01	27,38
VS0650105	110	100	500	0,966	15	60	120	1300x800x1200	TP01	42,01

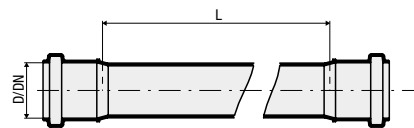
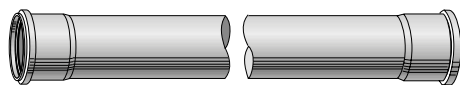






KOD	D	DN	L	kg				HxLxP 	CL	pln/szt
VS0650107	110	100	1000	1,866	15	30	90	1210x1180x1200	TP01	65,73
VS0650109	110	100	1500	2,619	15	30	90	1210x1680x1200	TP01	91,93
VS0650111	110	100	2000	3,346	15	30	90	1210x2180x1200	TP01	114,58
VS0650113	110	100	3000	5,162	15	30	90	1210x3180x1200	TP01	180,24
VS0650121	125	125	150	0,610	10	80	160	1050x800x1200	TP01	31,79
VS0650123	125	125	250	0,734	10	40	120	1039x800x1200	TP01	40,76
VS0650125	125	125	500	1,272	6	48	96	1340x800x1200	TP01	59,01
VS0650127	125	125	1000	2,330	8	16	64	1200x1170x1200	TP01	95,59
VS0650129	125	125	1500	3,286	8	16	64	1200x1670x1200	TP01	130,68
VS0650131	125	125	2000	4,432	8	16	64	1200x2170x1200	TP01	176,43
VS0650133	125	125	3000	6,545	8	16	64	1200x3170x1200	TP01	249,60
VS0650141	160	150	150	1,103	1	-	84	130x800x1200	TP01	49,64
VS0650143	160	150	250	1,227	1	-	56	130x800x1200	TP01	60,11
VS0650145	160	150	500	2,101	1	-	36	130x800x1200	TP01	91,93
VS0650147	160	150	1000	3,920	6	12	36	1180x1190x1200	TP01	145,67
VS0650149	160	150	1500	5,665	6	12	36	1180x1690x1200	TP01	201,06
VS0650151	160	150	2000	7,404	6	12	36	1180x2190x1200	TP01	270,80
VS0650153	160	150	3000	10,700	6	12	36	1180x3190x1200	TP01	388,50
VS0650167	200	200	1000	6,268	4	-	-	445x1250x465	TP01	345,19
VS0650171	200	200	2000	11,568	4	-	-	445x2250x465	TP01	611,50
VS0650173	200	200	3000	16,765	4	-	-	445x3250x465	TP01	861,97
VS0650187	250	250	1000	9,805	4	-	-	545x1300x565	TP01	581,89
VS0650193	250	250	3000	27,300	4	-	-	545x3300x565	TP01	1 450,35

## HTDM rura dwukielichowa

Double socket pipe

HTDM tube 2 emboitures

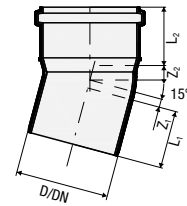
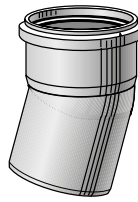


KOD	D	DN	L	kg				HxLxP 	CL	pln/szt
VS0650205	32	30	500	0,141	30	180	720	100x800x1200	TP01	21,59
VS0650207	32	30	1000	0,250	24	120	840	1200x1200x1200	TP01	30,60
VS0650209	32	30	1500	0,357	24	120	840	1200x1700x1200	TP01	43,94
VS0650211	32	30	2000	0,454	24	120	840	1200x2200x1200	TP01	53,31
VS0650213	32	30	3000	0,682	24	120	840	1200x3200x1200	TP01	78,48
VS0650225	40	40	500	0,185	35	140	420	925x800x1200	TP01	21,59
VS0650227	40	40	1000	0,324	20	100	500	1075x1180x1220	TP01	30,60
VS0650229	40	40	1500	0,482	20	100	500	1075x1680x1220	TP01	43,94
VS0650231	40	40	2000	0,623	20	100	500	1075x2180x1220	TP01	53,31
VS0650233	40	40	3000	0,889	20	100	500	1075x3180x1220	TP01	86,31
VS0650245	50	50	500	0,233	25	100	300	925x800x1200	TP01	24,51
VS0650247	50	50	1000	0,437	30	120	360	1150x1180x1200	TP01	33,40
VS0650249	50	50	1500	0,573	30	120	360	1150x1680x1200	TP01	46,69
VS0650251	50	50	2000	0,778	30	120	360	1150x2180x1200	TP01	59,24
VS0650253	50	50	3000	1,163	30	120	360	1150x3180x1200	TP01	92,60
VS0650265	75	70	500	0,528	12	96	288	1390x800x1200	TP01	32,76
VS0650267	75	70	1000	0,951	10	30	180	1150x1180x1260	TP01	49,61
VS0650269	75	70	1500	1,324	10	30	180	1150x1680x1260	TP01	68,30
VS0650271	75	70	2000	1,743	10	30	180	1150x2180x1260	TP01	89,10
VS0650273	75	70	3000	2,483	10	30	180	1150x3180x1260	TP01	132,92
VS0650285	90	90	500	0,817	8	80	240	2065x800x1200	TP01	42,17
VS0650287	90	90	1000	1,376	10	-	120	1140x1190x1200	TP01	67,27
VS0650289	90	90	1500	2,039	10	-	120	1140x1690x1200	TP01	92,09
VS0650291	90	90	2000	2,524	10	-	120	1140x2190x1200	TP01	134,49
VS0650293	90	90	3000	3,699	10	-	120	1140x3190x1200	TP01	195,11
VS0650305	110	100	500	1,108	12	48	96	1420x800x1200	TP01	54,88
VS0650307	110	100	1000	1,931	10	20	80	1100x1230x1200	TP01	83,52
VS0650309	110	100	1500	2,740	10	20	80	1100x1730x1200	TP01	110,46
VS0650311	110	100	2000	3,432	10	20	80	1100x2230x1200	TP01	149,13
VS0650313	110	100	3000	5,327	10	20	80	1100x3230x1200	TP01	216,56
VS0650325	125	125	500	1,502	6	36	72	1480x800x1200	TP01	80,28
VS0650327	125	125	1000	2,506	8	16	64	1200x1230x1200	TP01	118,25
VS0650329	125	125	1500	3,517	8	16	64	1200x1730x1200	TP01	155,62
VS0650331	125	125	2000	4,541	8	16	64	1200x2230x1200	TP01	211,96
VS0650333	125	125	3000	6,649	8	16	64	1200x3230x1200	TP01	295,23

## HTB kolano 15°

15° bend

HTB coude 15°

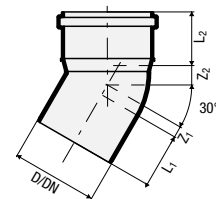
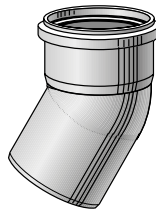


KOD	D	DN	Z <sub>1</sub>	L <sub>1</sub>	Z <sub>2</sub>	L <sub>2</sub>	kg				HxLxP	CL	pln/szt
VS0650401	32	30	3	48	6	44	0,021	80	640	4480	1000x800x1200	TP02	8,79
VS0650411	40	40	4	47	8	44	0,043	50	400	2000	1030x800x1200	TP02	9,29
VS0650421	50	50	4	48	8	46	0,057	30	240	1680	1110x800x1200	TP02	12,07
VS0650431	75	70	7	53	11	52	0,134	20	160	640	1010x800x1200	TP02	19,10
VS0650441	90	90	8	56	14	56	0,203	20	160	480	1015x800x1200	TP02	26,02
VS0650451	110	100	9	61	16	59	0,294	20	80	240	970x800x1200	TP02	29,19
VS0650461	125	125	10	66	17	64	0,425	20	80	160	940x800x1200	TP02	54,60
VS0650471	160	150	-	82	18	77	0,731	1	-	110	930x800x1200	TP02	85,29

## HTB kolano 30°

30° bend

HTB coude 30°

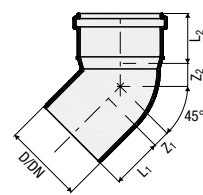
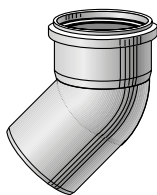


KOD	D	DN	Z <sub>1</sub>	L <sub>1</sub>	Z <sub>2</sub>	L <sub>2</sub>	kg				HxLxP	CL	pln/szt
VS0650403	32	30	5	48	8	44	0,021	80	640	4480	1000x800x1200	TP02	8,79
VS0650413	40	40	7	47	10	44	0,045	50	400	2000	1030x800x1200	TP02	9,29
VS0650423	50	50	8	48	12	46	0,060	30	240	1680	1110x800x1200	TP02	12,07
VS0650433	75	70	12	53	17	52	0,145	20	160	640	1010x800x1200	TP02	19,10
VS0650443	90	90	14	56	20	56	0,216	20	80	320	1080x800x1200	TP02	26,02
VS0650453	110	100	17	61	23	59	0,313	20	80	240	970x800x1200	TP02	29,19
VS0650463	125	125	18	66	26	64	0,456	20	80	160	940x800x1200	TP02	54,60
VS0650473	160	150	-	82	29	77	0,831	1	-	90	930x800x1200	TP02	85,29

## HTB kolano 45°

45° bend

HTB coude 45°

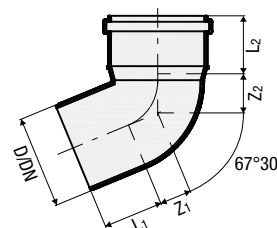
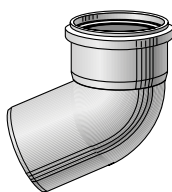


KOD	D	DN	Z <sub>1</sub>	L <sub>1</sub>	Z <sub>2</sub>	L <sub>2</sub>	kg				HxLxP	CL	pln/szt
VS0650405	32	30	8	45	10	44	0,022	80	640	3200	1000x800x1200	TP02	8,79
VS0650415	40	40	10	47	14	44	0,048	50	400	2000	1030x800x1200	TP02	8,79
VS0650425	50	50	11	48	17	46	0,062	30	240	1200	1030x800x1200	TP02	11,12
VS0650435	75	70	18	53	22	52	0,149	20	160	480	1015x800x1200	TP02	19,10
VS0650445	90	90	21	56	26	56	0,233	20	80	320	1080x800x1200	TP02	26,02
VS0650455	110	100	25	61	31	59	0,339	20	80	240	1039x800x1200	TP02	27,24
VS0650465	125	125	28	66	35	64	0,495	15	60	120	940x800x1200	TP02	54,60
VS0650475	160	150	-	82	41	77	0,887	1	-	80	930x800x1200	TP02	85,29
VS0650485	200	200	42	115	57	114	1,946	1	-	35	930x800x1200	TP02	526,98
VS0650495	250	250	52	155	86	138	3,995	1	-	14	930x800x1200	TP02	949,95

## HTB kolano 67°30'

67°30' bend

HTB coude 67°30'

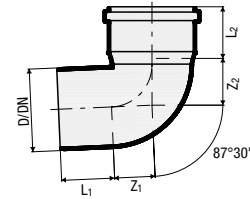
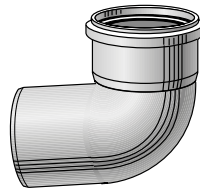


KOD	D	DN	Z <sub>1</sub>	L <sub>1</sub>	Z <sub>2</sub>	L <sub>2</sub>	kg				HxLxP	CL	pln/szt
VS0650407	32	30	10	51	15	47	0,021	60	480	3360	1000x800x1200	TP02	9,29
VS0650417	40	40	15	47	19	44	0,051	50	400	2000	1030x800x1200	TP02	9,97
VS0650427	50	50	18	48	22	46	0,068	30	240	1200	1030x800x1200	TP02	15,05
VS0650437	75	70	28	53	33	52	0,166	20	160	480	1015x800x1200	TP02	24,99
VS0650447	90	90	33	56	38	56	0,258	20	80	320	1080x800x1200	TP02	29,08
VS0650457	110	100	40	61	45	59	0,378	20	80	160	940x800x1200	TP02	30,76
VS0650467	125	125	43	66	51	64	0,532	15	60	120	940x800x1200	TP02	80,02

## HTB kolano 87°30'

87°30' bend

HTB coude 87°30'

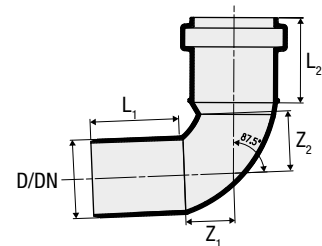
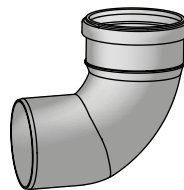


KOD	D	DN	Z <sub>1</sub>	L <sub>1</sub>	Z <sub>2</sub>	L <sub>2</sub>	kg				HxLxP	CL	pln/szt
VS0650409	32	30	20	45	19	44	0,024	60	480	3360	1000x800x1200	TP02	9,29
VS0650419	40	40	22	47	25	44	0,054	50	400	2000	1030x800x1200	TP02	9,29
VS0650429	50	50	26	48	30	46	0,072	30	240	1200	1030x800x1200	TP02	12,26
VS0650439	75	70	40	53	43	52	0,176	20	160	480	1015x800x1200	TP02	24,99
VS0650449	90	90	46	56	51	56	0,277	20	80	320	1080x800x1200	TP02	27,71
VS0650459	110	100	57	61	61	59	0,420	20	80	160	940x800x1200	TP02	29,19
VS0650469	125	125	62	66	70	64	0,608	10	40	120	1039x800x1200	TP02	80,02
VS0650479	160	150	-	82	85	77	1,119	1	-	65	930x800x1200	TP02	132,26
VS0650489	200	200	96	115	110	115	2,435	1	-	30	930x800x1200	TP02	614,86
VS0650499	250	250	120	155	140	152	4,812	1	-	14	930x800x1200	TP02	1 047,58

## Kolano o długim promieniu gięcia 87°30'

Long radius bend 87°30'

Coude rayon long 87°30'

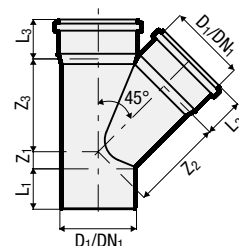
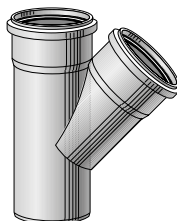


KOD	D	DN	Z <sub>1</sub>	L <sub>1</sub>	Z <sub>2</sub>	L <sub>2</sub>	kg				HxLxP	CL	pln/szt
VS0652901	40	40	25	45	30	43	0,057	50	400	2000	930x800x1200	TP02	9,90
VS0652902	50	50	31	46	37	45	0,079	30	240	1200	930x800x1200	TP02	12,38
VS0652903	75	70	48	56	54	52	0,176	15	180	360	930x800x1200	TP02	25,26
VS0652904	90	90	57	56	64	56	0,253	20	80	240	930x800x1200	TP02	28,31
VS0652905	110	100	69	64	78	59	0,413	20	80	160	930x800x1200	TP02	29,92

## HTEA trójnik 45°

45° branch

HTEA culotte 45°



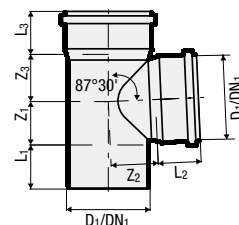
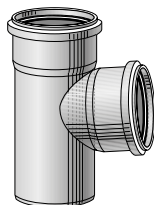
KOD	D <sub>1</sub> /DN <sub>1</sub>	Z <sub>1</sub>	L <sub>1</sub>	Z <sub>2</sub>	L <sub>2</sub>	Z <sub>3</sub>	L <sub>3</sub>	kg				HxLxP	CL	pln/szt
VS0650501	32/32	7	50	44	44	44	44	0,041	40	320	1600	1000x800x1200	TP02	19,10
VS0650507	40/40	10	46	49	44	49	44	0,090	20	160	1120	1110x800x1200	TP02	20,45
VS0650513	50/50	12	50	61	46	61	46	0,119	20	160	640	1010x800x1200	TP02	24,38
VS0650519	75/70	19	53	96	52	96	52	0,318	20	80	240	970x800x1200	TP02	33,67
VS0650525	90/90	21	56	110	56	110	56	0,489	20	80	160	940x800x1200	TP02	50,83
VS0650531	110/100	25	61	135	59	135	59	0,727	10	40	80	940x800x1200	TP02	56,86
VS0650537	125/125	28	66	152	65	152	65	1,070	5	20	60	1039x800x1200	TP02	197,10
VS0650543	160/150	-	82	194	77	195	77	1,945	1	-	32	930x800x1200	TP02	307,45
VS0650669 *	200/200	-	150	318	135	318	135	5,305	1	-	12	930x800x1200	TP02	910,90
VS0650685 *	250/250	52	180	333	163	333	162	9,511	1	-	7	930x800x1200	TP02	1 594,09

\* Odgałężenie zgrzewane. - Welded. - Dérivation soudée.

## HTEA trójnik 87°30'

87°30' branch

HTEA culotte 87°30'

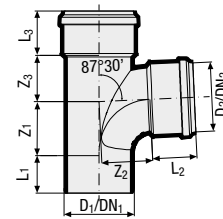
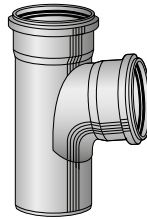


KOD	D <sub>1</sub> /DN <sub>1</sub>	Z <sub>1</sub>	L <sub>1</sub>	Z <sub>2</sub>	L <sub>2</sub>	Z <sub>3</sub>	L <sub>3</sub>	kg				HxLxP	CL	pln/szt
VS0650505	32/32	21	45	17	52	17	52	0,037	40	320	1600	1000x800x1200	TP02	19,10
VS0650511	40/40	19	46	24	44	28	44	0,082	20	160	1120	1110x800x1200	TP02	20,45
VS0650517	50/50	28	50	29	46	29	46	0,109	20	160	800	1030x800x1200	TP02	24,38
VS0650523	75/70	39	53	46	52	46	52	0,258	20	80	240	853x800x1200	TP02	33,67
VS0650529	90/90	48	56	52	56	52	56	0,402	20	80	160	940x800x1200	TP02	50,83
VS0650535	110/100	56	61	65	59	65	59	0,592	10	40	120	970x800x1200	TP02	56,86
VS0650541	125/125	65	66	71	65	71	65	0,848	10	40	80	940x800x1200	TP02	197,10
VS0650547	160/150	-	82	89	78	93	77	1,582	1	-	40	930x800x1200	TP02	307,45
VS0650671 *	200/200	95	150	134	136	134	136	4,318	1	-	15	930x800x1200	TP02	969,43
VS0650687 *	250/250	130	170	165	160	165	160	7,842	1	-	6	930x800x1200	TP02	1 613,65

\* Odgałężenie zgrzewane. - Welded. - Dérivation soudée.

## Trójnik profilowany 87°30'

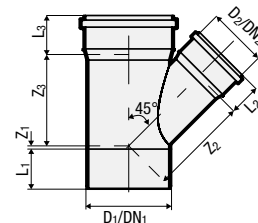
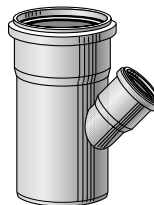
87°30' sweep branch  
 Té 87°30' pied de biche



KOD	D <sub>1</sub> /D <sub>2</sub>	DN <sub>1</sub> /DN <sub>2</sub>	Z <sub>1</sub>	L <sub>1</sub>	Z <sub>2</sub>	L <sub>2</sub>	Z <sub>3</sub>	L <sub>3</sub>	kg				HxLxP	CL	pln/szt
VS0650694	90/90	90/90	57	56	64	56	47	59	0,415	20	80	160	955x800x1200	TP02	59,15
VS0650695	110/75	100/70	48	81	54	52	58	59	0,503	10	60	120	955x800x1200	TP02	59,15
VS0650696	110/90	100/90	57	72	64	56	58	59	0,539	10	60	120	955x800x1200	TP02	61,67
VS0650693	110/110	100/100	69	64	78	66	58	59	0,576	8	32	96	970x800x1200	TP02	104,81

## HTEA trójnik redukcyjny 45°

45° reducing branch  
 HTEA embranchement réduit 45°



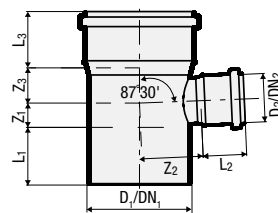
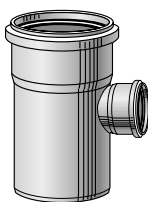
KOD	D <sub>1</sub> /D <sub>2</sub>	DN <sub>1</sub> /DN <sub>2</sub>	Z <sub>1</sub>	L <sub>1</sub>	Z <sub>2</sub>	L <sub>2</sub>	Z <sub>3</sub>	L <sub>3</sub>	kg				HxLxP	CL	pln/szt
VS0650551	40/32	40/30	5	52	45	47	42	52	0,051	40	320	1280	1000x800x1200	TP02	20,45
VS0650557	50/40	50/40	5	50	56	44	54	46	0,106	20	160	800	1030x800x1200	TP02	24,38
VS0650563	75/40	70/40	-7	46	79	44	71	52	0,206	25	100	300	853x800x1200	TP02	33,67
VS0650569	75/50	70/50	-1	54	84	46	76	54	0,224	25	100	300	970x800x1200	TP02	33,67
VS0650575	90/40	90/40	-10	56	87	44	76	56	0,287	20	80	240	970x800x1200	TP02	50,83
VS0650581	90/50	90/50	-9	56	90	46	83	56	0,303	20	80	240	970x800x1200	TP02	50,83
VS0650587	110/40	100/40	-24	61	99	44	89	59	0,378	20	80	160	940x800x1200	TP02	56,86
VS0650593	110/50	100/50	-17	61	106	46	79	59	0,415	20	80	160	940x800x1200	TP02	56,86
VS0650599	110/75	100/70	1	61	121	52	112	59	0,531	15	60	120	940x800x1200	TP02	56,86
VS0650689 ♦	110/90	100/90	25	61	162	60	135	59	0,843	10	40	80	930x800x1200	TP02	64,12
VS0650605	125/50	125/50	-24	66	114	46	111	65	0,575	10	40	120	853x800x1200	TP02	129,88
VS0650611	125/110	125/100	18	66	146	59	142	65	0,930	8	32	64	940x800x1200	TP02	129,88
VS0650617	160/110	150/100	-	82	-	-	167	77	1,372	1	-	40	930x800x1200	TP02	204,70
VS0650623	160/125	150/125	-	82	-	-	170	77	1,555	1	-	40	930x800x1200	TP02	204,70
VS0650629 *	200/110	200/100	-20	150	227	64	205	136	2,963	1	-	20	930x800x1200	TP02	618,12
VS0650633 *	200/125	200/125	-13	151	236	75	219	134	3,124	1	-	20	930x800x1200	TP02	637,69
VS0650637 *	200/160	200/160	14	150	257	75	244	134	3,709	1	-	18	930x800x1200	TP02	657,17
VS0650643 *	250/110	250/100	-47	180	262	64	235	162	5,514	1	-	10	930x800x1200	TP02	865,31
VS0650647 *	250/160	250/150	-12	180	308	78	251	162	6,629	1	-	10	930x800x1200	TP02	962,94
VS0650650 *	250/200	250/200	16	180	307	135	300	162	7,396	1	-	8	930x800x1200	TP02	1 320,76

\* Odgałęzienie zgrzewane. - Welded. - Dérivation soudée.

♦ Trójnik z redukcją na odgałęzieniu. - Simple branch with reduced grafted on the derivation. - Braga simple réduite par greffé sur la dérivation.



**HTEA trójnik redukcyjny 87°30'**  
 87°30' reducing branch  
 HTEA embranchement réduit 87°30'

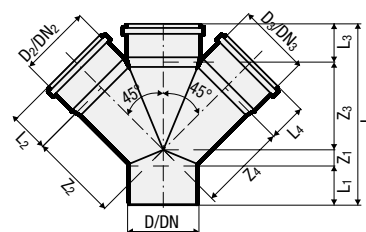
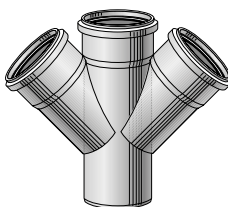


KOD	D <sub>1</sub> /D <sub>2</sub>	DN <sub>1</sub> /DN <sub>2</sub>	Z <sub>1</sub>	L <sub>1</sub>	Z <sub>2</sub>	L <sub>2</sub>	Z <sub>3</sub>	L <sub>3</sub>	kg				HxLxP	CL	pln/szt
VS0650555	40/32	40/30	18	52	23	50	20	50	0,048	40	320	1280	1000x800x1200	TP02	20,45
VS0650561	50/40	50/40	23	50	29	44	24	46	0,099	25	200	800	1010x800x1200	TP02	24,38
VS0650567	75/40	70/40	22	53	47	44	30	52	0,191	25	100	300	853x800x1200	TP02	33,67
VS0650573	75/50	70/50	27	53	46	46	35	52	0,204	25	100	300	853x800x1200	TP02	33,67
VS0650579	90/40	90/40	23	56	50	44	29	56	0,266	15	60	240	860x800x1200	TP02	50,83
VS0650585	90/50	90/50	24	56	50	46	34	56	0,275	20	80	240	853x800x1200	TP02	50,83
VS0650591	110/40	100/40	21	61	62	44	32	59	0,359	20	80	240	1039x800x1200	TP02	56,86
VS0650597	110/50	100/50	26	61	64	46	37	59	0,384	20	80	240	1039x800x1200	TP02	56,86
VS0650603	110/75	100/70	38	61	67	52	49	59	0,453	15	60	120	940x800x1200	TP02	56,86
VS0650691 ♦	110/90	100/90	56	61	90	60	65	59	0,705	10	40	120	930x800x1200	TP02	64,12
VS0650609	125/50	125/50	28	66	68	46	36	65	0,525	10	40	120	853x800x1200	TP02	129,88
VS0650615	125/110	125/100	58	66	72	59	64	65	0,751	8	32	96	1039x800x1200	TP02	129,88
VS0650621	160/110	150/100	-	82	-	-	67	77	1,177	1	-	65	930x800x1200	TP02	204,70
VS0650627	160/125	150/125	-	82	-	-	75	77	1,427	1	-	65	930x800x1200	TP02	204,70
VS0650631 *	200/110	200/100	50	150	134	64	101	134	2,873	1	-	20	930x800x1200	TP02	663,55
VS0650635 *	200/125	200/125	57	150	135	75	99	135	2,764	1	-	18	930x800x1200	TP02	689,72
VS0650639 *	200/160	200/150	118	150	138	76	116	134	3,205	1	-	20	930x800x1200	TP02	715,71
VS0650645 *	250/110	250/100	70	180	145	64	77	162	4,632	1	-	10	930x800x1200	TP02	995,46
VS0650649 *	250/160	250/150	74	180	174	78	118	162	6,091	1	-	10	930x800x1200	TP02	1 093,09
VS0650651 *	250/200	250/200	95	180	160	135	138	162	6,764	1	-	8	930x800x1200	TP02	1 431,42

\* Odgałęzienie zgrzewane. - Welded. - Dérivation soudée.

♦ Trójnik z redukcją na odgałęzieniu. - Simple branch with reduced grafted on the derivation. - Braga simple réduite par greffé sur la dérivation.

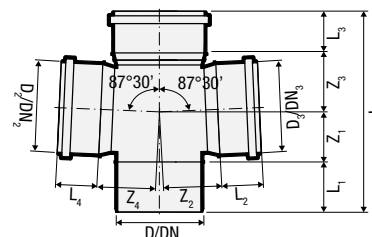
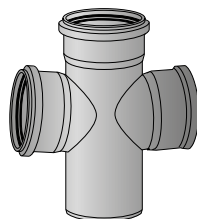
**HTDA czwórnik 45°**  
 Double branch 45°  
 HTDA embranchement double 45°



KOD	D <sub>1</sub> /D <sub>2</sub> /D <sub>3</sub>	DN <sub>1</sub> /DN <sub>2</sub> /DN <sub>3</sub>	L	Z <sub>1</sub>	L <sub>1</sub>	Z <sub>2/3/4</sub>	L <sub>2/3/4</sub>	kg				HxLxP	CL	pln/szt
VS0650655	110/110/110	100/100/100	280	25	61	136	59	0,907	5	20	60	1010x800x1200	TP02	113,72

### Czwórnik 87°30'

Double branch 87°30'  
 Embranchement double  
 parallèle 87°30'

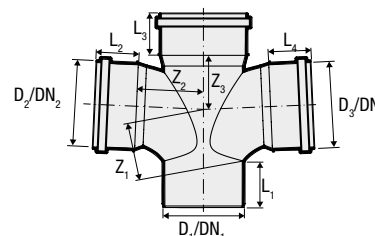
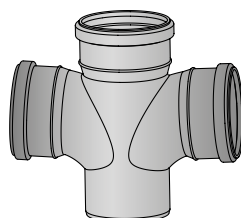


KOD	D <sub>1</sub> /D <sub>2</sub> /D <sub>3</sub>	DN <sub>1</sub> /DN <sub>2</sub> /DN <sub>3</sub>	L	Z <sub>1</sub>	L <sub>1</sub>	Z <sub>2/4</sub>	L <sub>2/4</sub>	Z <sub>3</sub>	L <sub>3</sub>	kg				HxLxP	CL	pln/szt
VS0650654	110/50/50	100/50/50	181,5	25	60	63	44	42,5	54	0,403	5	40	120	1000x800x1200	TP02	227,29
VS0650656	110/110/110	100/100/100	249	64	60	72	52	73	52	0,728	5	20	60	1000x800x1200	TP02	227,29
VS0650659 *	125/110/110	125/100/100	252	59	65	79	52	72	56	0,897	5	20	60	1010x800x1200	TP02	497,33
VS0650667 *	160/110/110	150/100/100	289	61	84	100	52	81	63	1,295	1	-	45	800x800x1200	TP02	887,81

\* Odgałężenie zgrzewane. - Welded. - Dérivation soudée.

### Czwórnik profilowany 87°30'

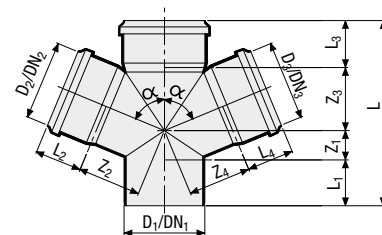
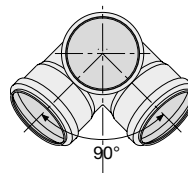
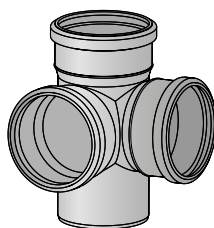
Double swept branch 87°30'  
 Embranchement cintre  
 double 87°30'



KOD	D <sub>1</sub> /D <sub>2</sub> /D <sub>3</sub>	DN <sub>1</sub> /DN <sub>2</sub> /DN <sub>3</sub>	Z <sub>1</sub>	L <sub>1</sub>	Z <sub>2</sub>	L <sub>2</sub>	Z <sub>3</sub>	L <sub>3</sub>	L <sub>4</sub>	kg				HxLxP	CL	pln/szt
VS0652910	90/90/75	90/90/70	57	56	64	56	47	56	53	0,531	15	60	120	955x800x1200	TP02	189,76
VS0652911	90/90/90	90/90/90	57	56	64	56	47	56	56	0,531	12	48	96	955x800x1200	TP02	189,76
VS0652912	110/110/75	100/100/70	69	64	78	66	58	59	52	0,649	5	30	60	955x800x1200	TP02	210,81
VS0652913	110/110/90	100/100/90	69	64	78	66	58	59	56	0,684	5	30	60	955x800x1200	TP02	218,53
VS0652914	110/110/110	100/100/100	69	64	78	66	58	59	59	0,722	5	-	60	955x800x1200	TP02	227,29

### HTED czwórnik narożny 87°30'

Corner branch 87°30'  
 HTED embranchement  
 multiple 87°30'



KOD	D <sub>1</sub> /D <sub>2</sub> /D <sub>3</sub>	DN <sub>1</sub> /DN <sub>2</sub> /DN <sub>3</sub>	Z <sub>1</sub>	Z <sub>2/4</sub>	Z <sub>3</sub>	L	L <sub>1</sub>	L <sub>2/4</sub>	L <sub>3</sub>	kg				HxLxP	CL	pln/szt
VS0650657	110/110/110	100/100/100	54	77	71	242	63	54	54	0,738	5	20	60	955x800x1200	TP02	237,98
VS0650661	125/110/110	125/100/100	54	77	71	255	71	54	59	0,931	5	20	60	1010x800x1200	TP02	278,03
VS0650662 *	160/110/110	150/100/100	68	100	77	290	78	52	67	1,297	1	-	50	800x800x1200	TP02	887,81

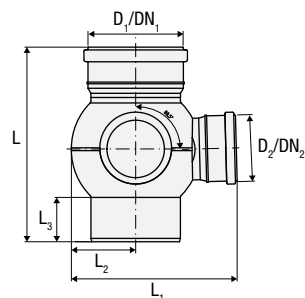
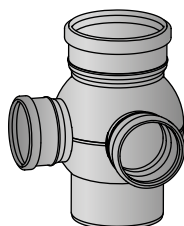
\* Odgałężenie zgrzewane. - Welded. - Dérivation soudée.

### Czwórnik kulowy 90°

- 2 odgałęzienia

90° 2-way ball branch

Embranchement double à  
boule à 90° 2 dérivation



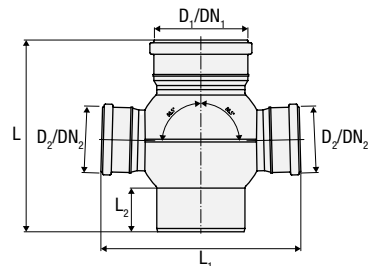
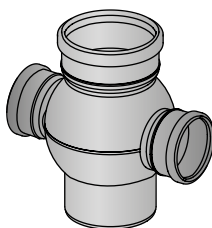
KOD	D <sub>1</sub> /D <sub>2</sub>	DN <sub>1</sub> /DN <sub>2</sub>	L	L <sub>1</sub>	L <sub>2</sub>	L <sub>3</sub>			HxLxP	CL	pln/szt
VS0652105	110/110	100/100	269	226	85	62	5	80	1090x800x1200	TP02	467,26
VS0652110	125/110	125/100	299	251	95	68	5	60	1090x800x1200	TP02	501,38
VS0652116	160/110	150/100	348	296	115	79	1	35	1090x800x1200	TP02	909,10

### Czwórnik kulowy 180°

- 2 odgałęzienia

180° 2-way ball branch

Embranchement double à  
boule à 180° 2 dérivation



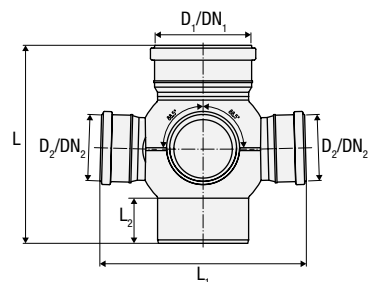
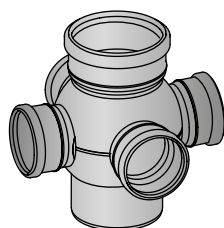
KOD	D <sub>1</sub> /D <sub>2</sub>	DN <sub>1</sub> /DN <sub>2</sub>	L	L <sub>1</sub>	L <sub>2</sub>			HxLxP	CL	pln/szt
VS0652165	110/110	100/100	269	283	62	5	80	1090x800x1200	TP02	467,26
VS0652170	125/110	125/100	299	313	68	5	60	1090x800x1200	TP02	501,38
VS0652176	160/110	150/100	348	363	79	1	35	1090x800x1200	TP02	909,10

### Kształtka wielorozgałęźna 90°

- 4 odgałęzienia

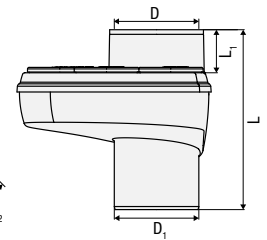
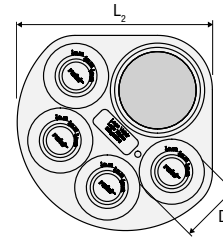
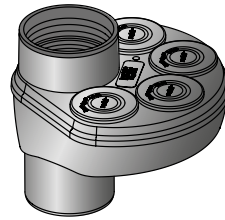
90° 4-way ball branch

Embranchement à boule  
à 90° 4 dérivation



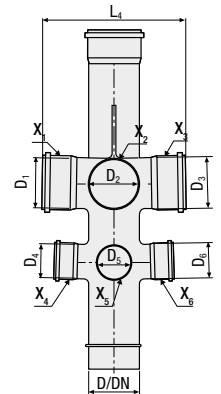
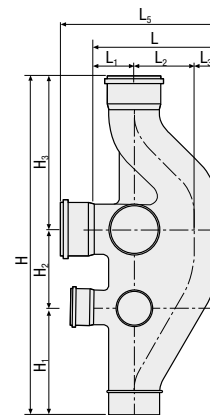
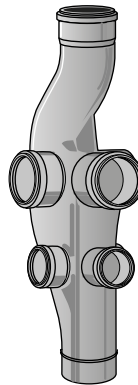
KOD	D <sub>1</sub> /D <sub>2</sub>	DN <sub>1</sub> /DN <sub>2</sub>	L	L <sub>1</sub>	L <sub>2</sub>				HxLxP	CL	pln/szt
VS0652265	110/110	100/100	269	283	62	5	20	40	1090x800x1200	TP02	687,43
VS0652270	125/110	125/100	299	313	68	5	20	40	1090x800x1200	TP02	712,88
VS0652276	160/110	150/100	348	363	79	1	-	35	1090x800x1200	TP02	1 246,02

### Triplus Multibranch rozgałęzienie kanalizacyjne



KOD	D	D <sub>1</sub>	D <sub>2</sub>	L	L <sub>1</sub>	L <sub>2</sub>	kg				HxLxP	CL	pln/szt
VS0652001	110	110	4x32-50	230	55	250	1,342	2	16	48	1015x800x1200	TP02	421,67

### VBF Rozgałęzienie kanalizacyjno- odpowietrzające Ventilation branch Embranchement multi raccordement



KOD	D	DN	D <sub>1</sub> /D <sub>2</sub> /D <sub>3</sub>	D <sub>4</sub> /D <sub>5</sub> /D <sub>6</sub>	L	L <sub>1</sub>	L <sub>2</sub>	L <sub>3</sub>	L <sub>4</sub>	L <sub>5</sub>	H	H <sub>1</sub>	H <sub>2</sub>	H <sub>3</sub>	CL	pln/szt
VS0651X <sub>1</sub> X <sub>2</sub> X <sub>3</sub> X <sub>4</sub> X <sub>5</sub> X <sub>6</sub> *	110	100	110	75	265	85	130	50	300	345	780	245	170	365	TP02	**
VS0654X <sub>1</sub> X <sub>2</sub> X <sub>3</sub> X <sub>4</sub> X <sub>5</sub> X <sub>6</sub> *	160	150	110	75	300	100	145	55	340	380	880	310	170	400	TP02	**

\* X=0 w przypadku wlotu bez kielicha, X=1 w przypadku wlotu z kielichem. - X=0 if the inlet has no socket, X=1 if the socket is welded to the inlet. - Le "X" n'a aucune valeur en cas d'absence d'emboiture, ou 1 en cas de présence de l'emboiture.

Zamówienie przewiduje minimalną ilość. - A minimum quantity per order is foreseen. - Une quantité minimum sera demandée pour toute commande.

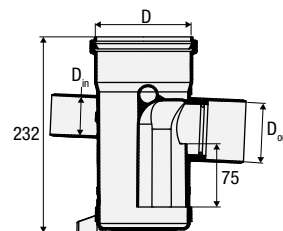
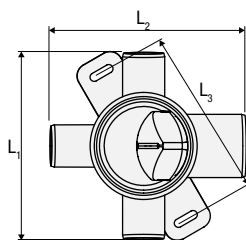
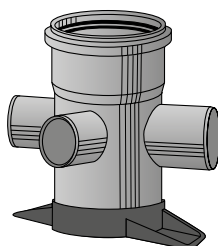
\*\* Na zapytanie. - On request. - Sur demande.

## T-TRAP

### Wpust z łatwym dostępem, połączenie poziome i pionowe

Triplus gully, trapped and accessible, vertical and horizontal connections

Culotte Triplus, siphonnée et avec inspection, connexions verticales et horizontales



KOD	D	D <sub>in</sub>	D <sub>out</sub>	L <sub>1</sub>	L <sub>2</sub>	L <sub>3</sub>	kg				HxLxP	CL	pln/szt
VS0701741	110	3x50	1x75	220	230	200	0,615	5	20	60	955x800x1200	SF01	214,24

Wpust Triplus składa się z kielicha w górnej części o średnicy 110 mm z uszczelką, z trzech dopływów bocznych o średnicy 50 mm oraz jednego odpływu o średnicy 75 mm. Dopływy boczne są zaślepione i mogą być rozwiercone. Odpływ 75 mm jest zakończony kielichem z uszczelką, wpust dostarczany jest z dolnym regulowanym wsparciem dla instalacji sufitowych.

Trapped gully made of Triplus composed of a 110 mm diameter top inlet with seal, three 50 mm diameter side inlets, one 75 mm diameter side outlet. The side inlets are blank and can be drilled out. The gully has a 75 mm water seal, inlet connections with socket and seals and is completely accessible; it is supplied with an adjustable lower support for ceiling installations.

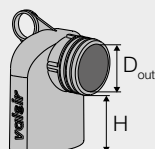
Culotte siphonnée réalisée en Triplus se compose d'une entrée supérieure de diamètre 110 mm emboîture avec joint d'étanchéité, 3 entrées latérales de diamètre 50 mm, 1 sortie latérale de 75 mm. Les entrées latérales sont aveugles et préparés pour le perçage. La culotte est équipée d'une garde eau de 75 mm, connexions entrantes avec emboîture et joints d'étanchéité entièrement inspecté; il est livré avec le support inférieur réglable pour montage au plafond.

## Części zamienne - Spare parts - Pièces de rechange

### Syfon do T-Trap

Water seal

Dispositif d'écoulem



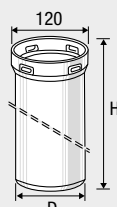
KOD	D <sub>out</sub>	H	kg		CL	pln/szt
VS0701702	75	75	0,065	1	SF01	29,39

## Akcesoria - Accessories - Accessoires

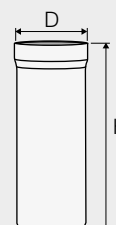
### Przedłużka

Extension

Rallonge



Mod. A



Mod. B

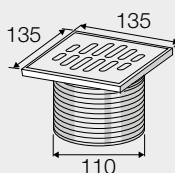
KOD	D	H	Mat.	Mod.	kg		CL	pln/szt
VS0701031	110	500	PP	A	0,452	1	SF01	47,28
VS0701032	110	150	PP	A	0,135	1	SF01	34,30
VS0701028	110	400	PVC	A	0,522	1	SF01	47,28
VS0701035	110	500	PVC	B	0,791	1	SF01	60,14

## Akcesoria - Accessories - Accessoires

### Przedłużka z kratką 135x135 ze stali nierdzewnej

Extension with 135x135 stainless steel grating

Rallonge avec grille 135x135 en acier inoxydable



KOD	kg		CL	pln/szt
VS0701660	0,336	1	SF01	76,93

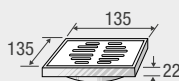
Kompatybilna z kratkami 128x128 mm z linii shower design. - Compatible with the 128x128 mm design shower gratings. - Compatible avec les grilles 128x128 mm del la ligne design.

Dla kodu. - For codes. - Pour réf. VS0701035

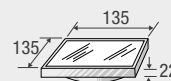
### Płytki na podjazdy samochodowe ze stali nierdzewnej z uszczelką

Cartable stainless steel with seal

Plaque charretière en acier inoxydable avec joint



Mod. A



Mod. B

KOD	Mod.	kg				HxLxP	CL	pln/szt
VS0701205 *	A	0,275	15	240	1200	970x800x1200	SF01	57,44
VS0701207	B	0,286	15	240	1200	970x800x1200	SF01	60,39

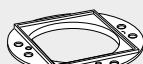
\* Kompatybilna z kratkami 128x128 mm z linii shower design. - Compatible with the 128x128 mm design shower gratings. - Compatible avec les grilles 128x128 mm del la ligne design.

Dla kodów. - For codes. - Pour réf. VS0701028-VS0701031-VS0701032.

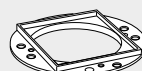
### Mocowanie kratki

Grid support

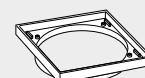
Support de grille



Mod. A



Mod. B



Mod. C

KOD	Mod.	H	kg		CL	pln/szt
VS0710311	A	5	0,050	1	DS01	121,51
VS0710313	B	9	0,266	1	DS01	28,57
VS0710315	C	13	0,065	1	DS01	17,44

### Zaślepiający arkusz z PVC

Blank PVC sheet

Toile en PVC non percées

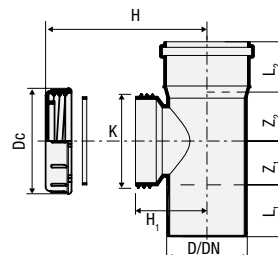
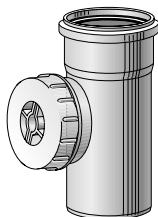


KOD	LxL	kg				HxLxP	CL	pln/szt
VS0701528	1800x1800	4,607	1	8	56	970x800x1200	SF01	530,52

## HTRE rewizja (czyszczak)

Inspection opening  
with screw cap

HTRE Té de visite avec  
bouchon à visser



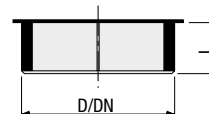
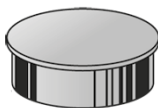
KOD	D/DN	Z <sub>1</sub>	L <sub>1</sub>	Z <sub>2</sub>	L <sub>2</sub>	H	Dc	K	H <sub>1</sub>	kg				HxLxP	CL	pln/szt
VS0650901	50/50	36	48	35	46	60	90	74	57	0,185	20	160	640	1050x800x1200	TP02	43,57
VS0650903	75/70	40	53	43	52	80	90	74	66	0,258	20	80	240	853x800x1200	TP02	53,34
VS0650905	90/90	49	58	55	56	8	120	105	80	0,485	20	80	160	940x800x1200	TP02	70,65
VS0650907	110/100	55	61	65	59	100	120	105	90	0,605	15	60	120	940x800x1200	TP02	83,03
VS0650909	125/125	65	66	71	65	105	150	128	98	0,941	10	40	80	940x800x1200	TP02	162,36
VS0650911	160/150	64	75	75	73	105	150	128	118	1,372	1	-	62	930x800x1200	TP02	250,02
VS0650913 *	200/200	76	145	110	135	150	150	128	142	2,919	1	-	22	930x800x1200	TP02	1 027,71
VS0650915 *	250/250	81	170	113	160	165	150	128	158	4,817	1	-	15	930x800x1200	TP02	1 273,00

\* Zgrzewana. - Welded. - Dérivation soudée.

## HTM korek

Closing cap

HTM Bouchon de visite

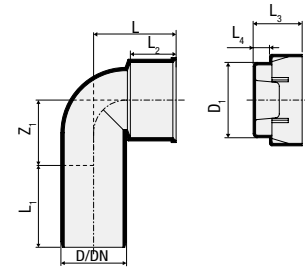
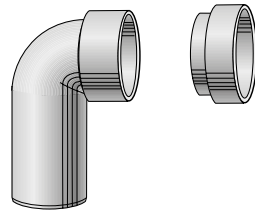


KOD	D/DN	L	kg				HxLxP	CL	pln/szt
VS0650951	40/40	32	0,011	40	800	5600	935x800x1200	TP02	9,29
VS0650953	50/50	32	0,020	20	400	2800	935x800x1200	TP02	13,95
VS0650955	75/70	32	0,025	15	300	2100	935x800x1200	TP02	18,00
VS0650957	90/90	42	0,033	30	240	1680	1110x800x1200	TP02	29,50
VS0650959	110/100	42	0,067	20	160	1120	1110x800x1200	TP02	40,66
VS0650961	125/125	51	0,099	10	80	560	1110x800x1200	TP02	54,00
VS0650963	160/150	57	0,127	10	80	320	1010x800x1200	TP02	67,26



### HTSW kolano techniczne z korkiem

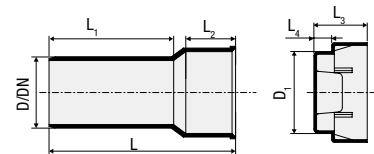
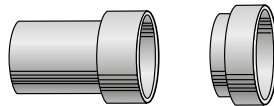
Bend with cap for trap connection  
 HTSW coude sanitaire avec bouchon



KOD	D/D <sub>1</sub>	DN	Z <sub>1</sub>	L <sub>1</sub>	L <sub>2</sub>	L <sub>3</sub>	L <sub>4</sub>	L	kg				HxLxP	CL	pln/szt
VS0650971	32/46	30	23	51	27	30	10	50	0,040	20	320	1600	970x800x1200	TP02	24,38
VS0650972	40/46	40	23	51	30	30	10	50	0,044	20	160	1120	1110x800x1200	TP02	24,38
VS0650973	40/53,5	40	28	52	27	30	10	52	0,047	20	160	1120	1110x800x1200	TP02	24,38
VS0650974	50/53,5	50	28	52	28	30	10	52	0,051	20	160	1120	1110x800x1200	TP02	24,38
VS0650975	50/60	50	28	52	28	30	10	52	0,054	20	160	1120	1110x800x1200	TP02	24,38

### HTS złącze proste z korkiem

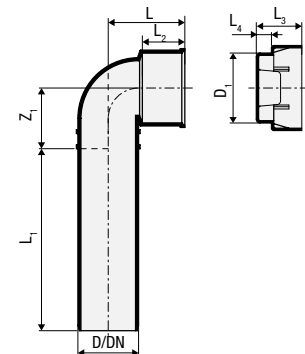
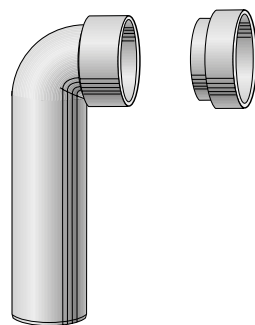
Straight fitting with cap  
 HTS raccord droit sanitaire avec bouchon de protection



KOD	D/D <sub>1</sub>	DN	L <sub>1</sub>	L <sub>2</sub>	L <sub>3</sub>	L <sub>4</sub>	L	kg				HxLxP	CL	pln/szt
VS0650981	32/46	30	54	26	30	10	88	0,036	40	320	2240	1110x800x1200	TP02	24,38
VS0650982	40/46	40	54	26	30	10	88	0,035	40	320	2240	1110x800x1200	TP02	24,38
VS0650983	40/50	40	54	28	35	10	88	0,044	20	320	1600	970x800x1200	TP02	24,38
VS0650984	40/53,5	40	38	24	30	10	70	0,032	40	320	2240	1110x800x1200	TP02	24,38
VS0650985	50/53,5	50	54	26	30	10	88	0,040	30	240	1680	1110x800x1200	TP02	24,38

### HTSW kolano techniczne wydłużone z korkiem

Long bend for trap connection  
 HTSW coude sanitaire rallongé avec bouchon de protection



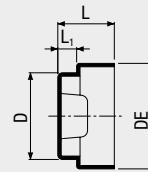
KOD	D/D <sub>1</sub>	DN	Z <sub>1</sub>	L <sub>1</sub>	L <sub>2</sub>	L <sub>3</sub>	L <sub>4</sub>	L	kg				HxLxP	CL	pln/szt
VS0650991	32/46	30	36	124	28	30	10	50	0,059	20	160	1120	1110x800x1200	TP02	27,02
VS0650992	40/46	40	36	124	28	30	10	50	0,060	20	160	1120	1110x800x1200	TP02	27,02
VS0650993	40/50	40	36	119	32	35	10	50	0,065	20	160	1120	1110x800x1200	TP02	27,02
VS0650996	32/50	30	36	119	28	35	10	53	0,062	20	160	1120	1110x800x1200	TP02	27,02

## Akcesoria - Accessories - Accessoires

### Korek ochronny do kolan technicznych

Protection cap for trap connection bend

Bouchon de protection pour coude sanitaire

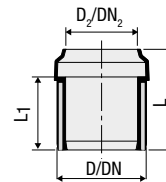
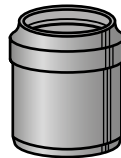


KOD	D	DE	L	L <sub>1</sub>	kg				HxLxP	CL	pln/szt
VS0503222	46	55	30	10	0,010	40	800	5600	935x800x1200	VA02	3,15
VS0503224	50	60	35	12	0,016	40	800	5600	935x800x1200	VA02	4,39
VS0503225	53,5	63	30	10	0,013	40	800	5600	935x800x1200	VA02	4,90
VS0503226	60	70	30	10	0,014	40	800	5600	935x800x1200	VA02	4,90

### Kielich redukcyjny

Increaser sleeve

Manchon de jonction

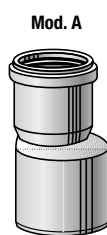


KOD	D/D <sub>2</sub>	DN/DN <sub>2</sub>	L	L <sub>1</sub>	kg				HxLxP	CL	pln/szt
VS0650790	40/32	40/30	65	50	0,021	100	800	4800	970x800x1200	TP02	15,02
VS0650791	50/40	50/40	56	38	0,026	80	640	3200	1030x800x1200	TP02	15,02
VS0650793	90/75	90/70	76	61	0,060	20	160	640	850x800x1200	TP02	25,67
VS0650795	110/90	100/90	81,5	65	0,109	20	160	640	1010x800x1200	TP02	29,43
VS0650797	125/110	125/100	86	68	0,131	30	120	360	853x800x1200	TP02	64,12

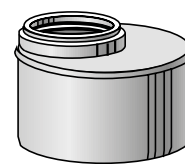
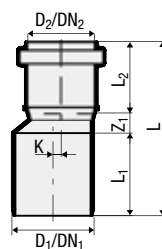
### HTR redukcja niecentryczna

Eccentric increaser

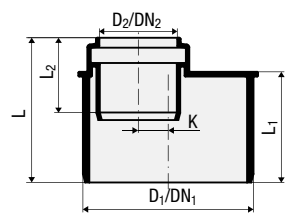
HTR Réduction excentrée







Mod. A



Mod. B



KOD	D <sub>1</sub> /D <sub>2</sub>	DN <sub>1</sub> /DN <sub>2</sub>	Mod.	K	Z <sub>1</sub>	L <sub>1</sub>	L <sub>2</sub>	L	kg				HxLxP	CL	pln/szt
VS0650701	40/32	40/30	A	0	11	44	45	100	0,023	50	400	2800	1000x800x1200	TP02	14,52
VS0650703	50/32	50/30	A	0	14	47	44	105	0,027	40	320	2240	1000x800x1200	TP02	14,52
VS0650705	50/40	50/40	A	5	12	51	44	107	0,050	50	400	2000	1030x800x1200	TP02	14,52
VS0650707	75/40	70/40	B	9	-	56	39	74	0,083	30	240	1680	1110x800x1200	TP02	18,00
VS0650708	75/50	70/50	A	10	22	52	48	122	0,085	20	240	960	1115x800x1200	TP02	18,80
VS0650709	75/50	70/50	B	4	-	56	42	73	0,091	30	240	1200	1030x800x1200	TP02	18,00
VS0650711	90/40	90/40	B	16	-	59	40	77	0,116	20	160	1120	1110x800x1200	TP02	24,99
VS0650713	90/50	90/50	B	11	-	61	42	78	0,126	20	160	1120	1110x800x1200	TP02	24,99
VS0650715	90/75	90/70	A	5	3	57	47	107	0,149	20	160	640	1010x800x1200	TP02	26,64

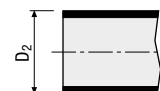
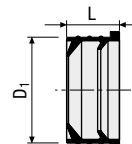
KOD	D <sub>1</sub> /D <sub>2</sub>	DN <sub>1</sub> /DN <sub>2</sub>	Mod.	K	Z <sub>1</sub>	L <sub>1</sub>	L <sub>2</sub>	L	kg				HxLxP 	CL	pln/szt
VS0650717	110/40	100/40	B	25	-	63	40	79	0,162	20	160	640	1010x800x1200	TP02	26,64
VS0650719	110/50	100/50	B	20	-	63	42	80	0,168	20	160	640	1010x800x1200	TP02	26,64
VS0650720	110/75	100/70	A	15	28	59	55	142	0,180	20	160	480	1030x800x1200	TP02	27,48
VS0650721	110/75	100/70	B	7	-	63	47	80	0,193	20	160	640	1010x800x1200	TP02	26,64
VS0650723	110/90	100/90	A	7	3	60	50	113	0,220	20	80	320	1080x800x1200	TP02	30,42
VS0650729	125/110	125/100	A	4	6	67	49	122	0,306	20	80	240	970x800x1200	TP02	48,15
VS0650731	160/110	150/100	B	10	-	85	52	103	0,480	1	-	315	930x800x1200	TP02	72,03
VS0650733	160/125	150/125	B	4	-	86	56	105	0,431	1	-	300	930x800x1200	TP02	72,03
VS0650735 *	200/110	200/100	B	10	45	90	55	191	1,006	1	-	130	930x800x1200	TP02	574,83
VS0650739 *	200/160	200/150	A	18	45	93	77	215	1,108	1	-	132	930x800x1200	TP02	611,66
VS0650747 *	250/200	250/200	A	23	51	124	135	310	2,317	1	-	36	930x800x1200	TP02	1 190,69





\* Zgrzewana. - Welded. - Dérivation soudée.

## Manszet gumowy

Grommet

Joint

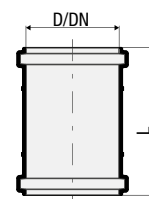
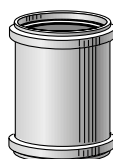






KOD	D <sub>1</sub>	D <sub>2</sub>	L	kg				HxLxP 	CL	pln/szt
VS0334003	46	24-32	22	0,026	100	800	8000	1130x800x1200	VA02	4,43
VS0334005	46	36-40	22	0,012	150	1200	7200	1060x800x1200	VA02	4,43
VS0523011	50	36-40	22	0,026	30	600	4200	935x800x1200	VA02	6,92
VS0523015	53,5	24-32	22	0,029	30	600	4200	935x800x1200	VA02	6,92
VS0523017	53,5	36-40	22	0,025	30	600	4200	935x800x1200	VA02	6,92
VS0523019	60	46-55	24	0,020	30	600	4200	935x800x1200	VA02	10,53

## HTU mufa przesuwna

Sliding sleeve

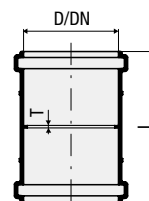
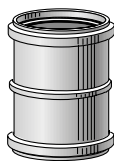
HTU manchon coulissant



KOD	D/DN	L	kg				HxLxP 	CL	pln/szt
VS0650801	32/30	86	0,023	60	480	3360	1000x800x1200	TP02	12,07
VS0650803	40/40	100	0,057	30	240	1680	1110x800x1200	TP02	12,76
VS0650805	50/50	105	0,069	30	240	1680	1110x800x1200	TP02	13,95
VS0650807	75/70	120	0,149	20	160	640	1010x800x1200	TP02	20,55
VS0650809	90/90	120	0,206	20	160	480	1015x800x1200	TP02	28,66
VS0650811	110/100	136	0,311	20	80	240	970x800x1200	TP02	31,91
VS0650813	125/125	147	0,427	20	80	160	940x800x1200	TP02	59,69
VS0650815	160/150	180	0,818	1	-	100	930x800x1200	TP02	89,99
VS0650817	200/200	195	1,543	1	-	45	930x800x1200	TP02	494,54
VS0650819	250/250	243	3,225	1	-	20	930x800x1200	TP02	956,45

## Mufa dwukielichowa

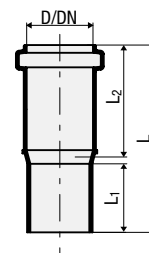
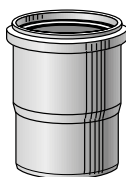
Double socket sleeve  
 Manchon avec butée



KOD	D/DN	L	T	kg				HxLxP	CL	pln/szt
VS0650851	32/32	85	2	0,023	60	480	3360	1000x800x1200	TP02	12,07
VS0650853	40/40	100	2	0,058	30	240	1680	1110x800x1200	TP02	12,76
VS0650855	50/50	105	2	0,070	30	240	1680	1110x800x1200	TP02	13,95
VS0650857	75/70	120	2	0,149	20	160	640	1010x800x1200	TP02	20,55
VS0650859	90/90	120	3	0,207	20	160	480	1015x800x1200	TP02	28,66
VS0650861	110/100	136	3	0,311	20	80	240	970x800x1200	TP02	31,91
VS0650863	125/125	147	3	0,433	20	80	160	940x800x1200	TP02	59,69
VS0650865	160/150	180	3	0,827	1	-	96	930x800x1200	TP02	89,99
VS0650867	200/200	374	14	1,572	1	-	45	930x800x1200	TP02	494,54
VS0650869	250/250	466	20	3,371	1	-	22	930x800x1200	TP02	956,45

## HTL2 kielich o podwójnej głębokości

Double depth socket  
 HTL2 manchon rallongé  
 2 emboitures

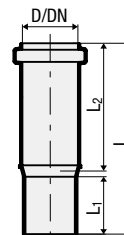
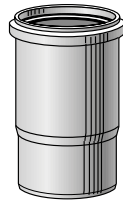


KOD	D/DN	L <sub>1</sub>	L <sub>2</sub>	L	kg				HxLxP	CL	pln/szt
VS0650751	40/40	47	75	126	0,049	30	240	1440	965x800x1200	TP02	28,55
VS0650753	50/50	48	79	131	0,056	20	160	1120	1110x800x1200	TP02	29,81
VS0650755	75/70	53	90	150	0,134	20	160	480	1015x800x1200	TP02	35,00
VS0650757	90/90	56	95	159	0,207	10	80	400	1030x800x1200	TP02	45,97
VS0650759	110/100	61	100	169	0,348	20	80	240	970x800x1200	TP02	47,62
VS0650761	125/125	66	108	182	0,418	10	80	160	1050x800x1200	TP02	62,82

## HTLL3 kielich o potrójnej głębokości

Triple depth socket

HTLL3 manchon rallongé  
 3 emboitures

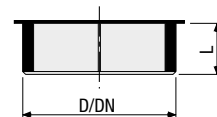
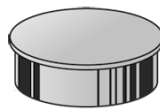


KOD	D/DN	L <sub>1</sub>	L <sub>2</sub>	L	kg				HxLxP	CL	pln/szt
VS0650771	40/40	47	100	152	0,053	30	240	1440	965x800x1200	TP02	28,55
VS0650773	50/50	48	107	160	0,070	20	160	1120	1110x800x1200	TP02	29,81
VS0650775	75/70	53	124	183	0,168	20	160	480	1015x800x1200	TP02	35,00
VS0650777	90/90	56	129	193	0,253	10	80	320	1010x800x1200	TP02	45,97
VS0650779	110/100	61	136	205	0,382	20	80	160	940x800x1200	TP02	47,62
VS0650781	125/125	66	145	220	0,544	10	40	120	853x800x1200	TP02	64,05

## Korek ochronny do kielichów

Protection cap for socket

Bouchon de protection pour emboiture

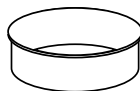


KOD	D	DN	L	kg				HxLxP	CL	pln/szt
VS0503000	32	30	16	0,006	100	2000	14000	935x800x1200	PP02	2,84
VS0503001	40	40	36	0,007	40	800	5600	935x800x1200	PP02	4,12
VS0503003	50	50	36	0,011	50	800	4000	970x800x1200	PP02	4,12
VS0503005	75	70	36	0,020	30	480	2400	970x800x1200	PP02	4,94
VS0503008	90	90	36	0,029	30	240	1440	970x800x1200	PP02	6,16
VS0503007	110	100	36	0,043	30	240	960	1010x800x1200	PP02	6,16
VS0503009	125	125	36	0,045	20	160	640	1010x800x1200	PP02	8,66
VS0503011	160	150	36	0,146	10	80	320	970x800x1200	PP02	21,18
VS0503013	200	210	38	0,157	1	-	-	-	PP02	21,98

## Korek ochronny do rury

Protective cap for pipe

Bouchon de protection  
pour tube

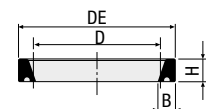


KOD	D	H	kg				HxLxP	CL	pln/szt
VS0503033	50	30	0,008	50	800	3200	970x800x1200	PP02	4,94
VS0503015	75	29	0,018	30	480	1920	970x800x1200	PP02	5,76
VS0503017	90	30	0,022	30	240	1440	1000x800x1200	PP02	6,76
VS0503018	110	38,6	0,029	30	240	960	930x800x1200	PP02	8,18
VS0503019	125	39	0,036	20	160	960	1000x800x1200	PP02	10,22
VS0503031	160	49,5	0,062	10	80	320	930x800x1200	PP02	18,80

## Uszczelka jednowargowa

Single-lipped seal

Joint à simple lèvre

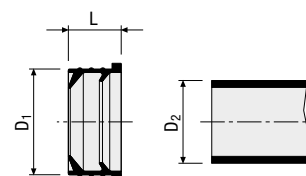


KOD	D	DN	DE	H	B	kg		CL	pln/szt
VS0391001	32	30	40,5	6	4,9	0,003	50	VA02	2,32
VS0391003	40	40	51,4	7,8	6,5	0,005	50	VA02	2,32
VS0391005	50	50	61,4	7,8	6,5	0,007	50	VA02	2,32
VS0391011	75	70	86,6	7,8	6,5	0,010	20	VA02	2,84
VS0391013	90	80	103	8,9	7,5	0,013	20	VA02	3,51
VS0391015	110	100	123,9	8,9	7,9	0,020	20	VA02	3,61
VS0391017	125	125	142,2	10,2	8,9	0,029	20	VA02	5,68
VS0391019	160	150	179,8	11,5	10,2	0,046	20	VA02	7,48
VS0391021	200	200	223,7	12,8	11,2	0,079	20	VA02	13,16
VS0391023	250	250	282	19,5	1,6	0,110	1	VA02	26,55

## Manszeta gumowy do połączeń z rurami z innych materiałów

Grommet for socket to connect  
pipes of other materials

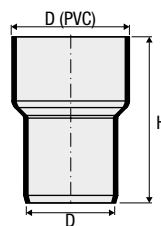
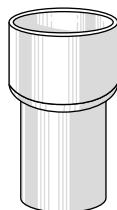
Joint d'emboiture pour  
raccordement au tube  
de matériau différent



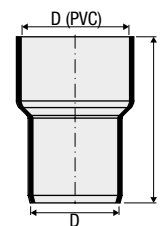
KOD	D <sub>1</sub> (PP)	D <sub>2</sub> (Metal)	L	kg				HxLxP	CL	pln/szt
VS0559001	40	26-28	24	0,013	50	1000	7000	960x800x1050	VA02	5,81
VS0559003	40	30-32	25	0,012	50	1000	7000	960x800x1050	VA02	5,81

## Redukcyjny łącznik PVC

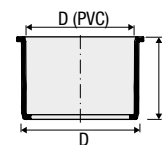
PVC reducer socketed adaptor  
 Embout réduit en PVC



Mod. A



Mod. B

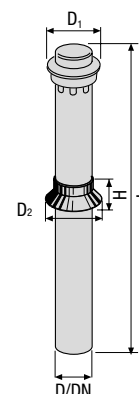
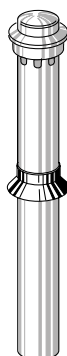


Mod. C

KOD	Mod.	D (PVC)	D	H	kg				HxLxP	CL	pln/szt
VS0531323	A	43	40	80	0,040	100	-	-	-	TP02	60,19
VS0531325	A	56	50	88,5	0,062	50	-	-	-	TP02	73,52
VS0531326	B	60	50	90	0,064	50	-	-	-	TP02	88,04
VS0531327	C	70	75	53	0,048	30	240	1680	1075x800x1200	TP02	75,16
VS0531333	A	125	110	300	0,465	10	40	120	970x800x1200	PP02	123,69
VS0531335	A	140	110	420	0,708	5	20	60	970x800x1200	PP02	204,80
VS0531337	A	150	125	420	0,859	5	20	60	1039x800x1200	PP02	217,29

## Rura wywiewna PP z kołnierzem szara

Grey PP vent cowl  
 Chapeau de ventilation  
 en PP gris

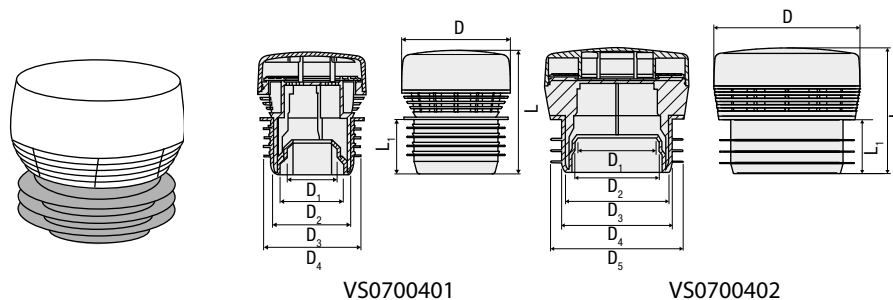


KOD	D	DN	D <sub>1</sub>	D <sub>2</sub>	L	H	kg				HxLxP	CL	pln/szt
VS0394001	50	50	140	91	720	45	0,242	10	30	120	1090x800x1200	PP02	185,52
VS0394003	75	70	200	121	720	52	0,369	5	15	60	1105x800x1200	PP02	206,13
VS0394005	110	100	200	166	720	55	0,759	5	15	45	1200x800x1200	PP02	221,18



## Zawór napowietrzający

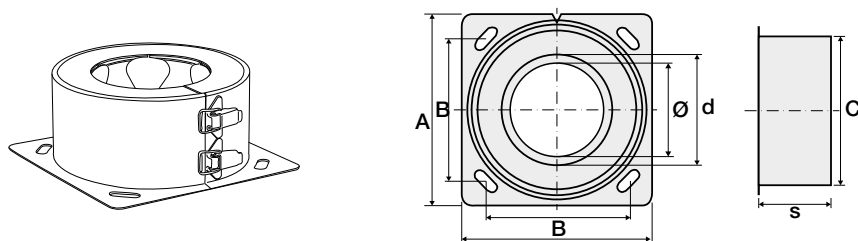
Air admittance valve  
 Aérateur



KOD	D	D <sub>1</sub>	D <sub>2</sub>	D <sub>3</sub>	D <sub>4</sub>	D <sub>5</sub>	L	L <sub>1</sub>	kg		CL	pln/szt
VS0700401	70	32	40	50	63	-	79,5	35	0,102	12	VA02	260,17
VS0700402	125	70	75	90	100	110	108	46	0,358	6	VA02	479,38

## Kołnierz ogniowy Collarwings EI 240

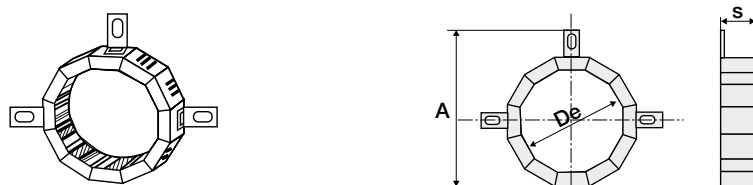
Collarwings fire stop  
 collar EI 240  
 Colliers coupe feu  
 Collarwings EI 240



KOD	De (rura - pipe - tube)	d	A	B	C	s	kg		CL	pln/szt
VS0411000	32	42	101	77	79	49,5	0,375	1	VA02	363,81
VS0411001	40	50	114	87	92	49,5	0,482	1	VA02	363,81
VS0411003	50	60	129	95	107	49,5	0,606	1	VA02	363,81
VS0411009	75	87	171	126	149	49,5	0,996	1	VA02	533,45
VS0411011	90	106	193	145	171	89,5	2,117	1	VA02	749,07
VS0411012	100	116	212	156	190	89,5	2,315	1	VA02	749,07
VS0411013	110	128	225	167	202	89,5	2,716	1	VA02	749,07
VS0411015	125	143	248	181	226	89,5	3,122	1	VA02	941,82
VS0411017	160	180	294	217	272	89,5	4,311	1	VA02	1 480,08

## Kołnierz ogniowy EI 120

Fire collar EI 120  
 Collier coupe feu EI 120

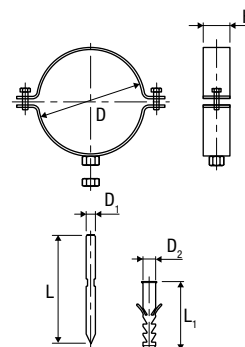
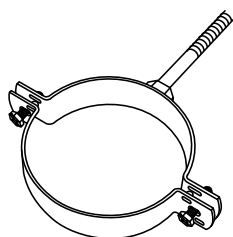


KOD	D	DN	s	A	kg		CL	pln/szt
VS0410019	200	200	177,5	257	4,148	1	VA02	3 113,72
VS0410021	250	250	232,5	319	6,578	1	VA02	4 631,56

## Ocynkowana obejma M10 z mocowaniem, do punktów stałych i przesuwnych

M10 galvanized pipe clip for fixed or sliding point

Collier acier M10 point fixe/coulissant



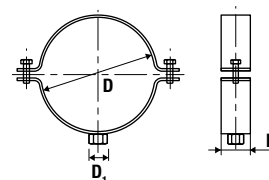
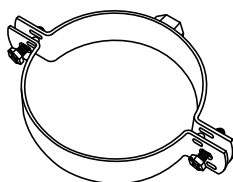
KOD	D	H	L	L <sub>1</sub>	D <sub>1</sub>	D <sub>2</sub>	kg		CL	pln/szt
VS0395001	40	30	120	75	M10	14	0,216	50	VA02	20,11
VS0395003	50	30	120	75	M10	14	0,234	50	VA02	22,02
VS0395007	75	30	120	75	M10	14	0,276	25	VA02	24,50
VS0395009	90	30	120	75	M10	14	0,305	25	VA02	24,50
VS0395011	110	30	120	75	M10	14	0,339	25	VA02	24,50
VS0395013	125	30	120	75	M10	14	0,370	25	VA02	27,59
VS0395015	160	30	120	75	M10	14	0,423	25	VA02	30,69

Obejma posiada rozwiązanie, które pozwala zastosować ją zarówno w punkcie stałym jak i przesuwym. Zamiana odbywa się przez obrócenie dolnej części obejmy o 180° (dookoła siebie) względem górnej. - The clip is equipped with a system that allows fixed and sliding point installations by simply rotating the lower part of the clip itself by 180°. - Le collier est doté d'un système permettant de réaliser un point fixe ou coulissant en retournant simplement à 180° la partie inférieure du collier.

## Ocynkowana obejma M10, do punktów stałych i przesuwnych

M10 galvanized pipe clip, fixed or sliding point

Collier acier M10 point fixe/coulissant



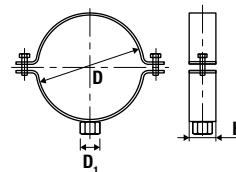
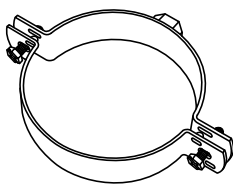
KOD	D	D <sub>1</sub>	H	kg		CL	pln/szt
VS0396021	40	M10	30	0,158	50	VA02	19,55
VS0396023	50	M10	30	0,177	50	VA02	21,41
VS0396027	75	M10	30	0,220	25	VA02	23,57
VS0396029	90	M10	30	0,250	25	VA02	23,57
VS0396031	110	M10	30	0,286	25	VA02	23,57
VS0396033	125	M10	30	0,309	25	VA02	26,66
VS0396035	160	M10	30	0,376	25	VA02	30,06

Obejma posiada rozwiązanie, które pozwala zastosować ją zarówno w punkcie stałym jak i przesuwym. Zamiana odbywa się przez obrócenie dolnej części obejmy o 180° (dookoła siebie) względem górnej. - The clip is equipped with a system that allows fixed and sliding point installations by simply rotating the lower part of the clip itself by 180°. - Le collier est doté d'un système permettant de réaliser un point fixe ou coulissant en retournant simplement à 180° la partie inférieure du collier.

## Ocynkowana obejma G1/2" i G1" do punktów stałych i przesuwnych

G1/2" and G1" galvanized pipe  
 clip, fixed or sliding point

Collier acier G1/2" et G1"  
 point fixe/coulissant



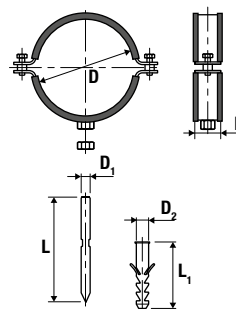
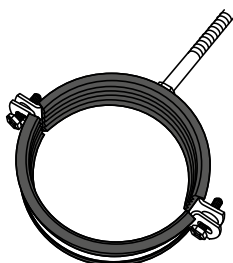
KOD	D	D <sub>1</sub>	H	kg		CL	pln/szt
VS0396001 *	40	G1/2"	30	0,176	50	VA02	16,61
VS0396003 *	50	G1/2"	30	0,194	50	VA02	18,19
VS0396007 *	75	G1/2"	30	0,240	25	VA02	20,03
VS0396009 *	90	G1/2"	30	0,268	25	VA02	20,03
VS0396011 *	110	G1/2"	30	0,308	25	VA02	20,03
VS0396013 *	125	G1/2"	30	0,329	25	VA02	22,66
VS0396015 *	160	G1/2"	30	0,394	25	VA02	25,55
VS0396050	200	G1"	40	0,651	10	VA02	95,87
VS0396052	250	G1"	40	1,270	10	VA02	105,57

\* Obejma posiada rozwiązanie, które pozwala zastosować ją zarówno w punkcie stałym jak i przesuwym. Zamiana odbywa się przez obrócenie dolnej części obejmy o 180° (dokoła siebie) względem górnej. - The clip is equipped with a system that allows fixed and sliding point installations by simply rotating the lower part of the clip itself by 180°. - Le collier est doté d'un système permettant de réaliser un point fixe ou coulissant en retournant simplement à 180° la partie inférieure du collier.

## Ocynkowana obejma M10 z mocowaniem, z gumowym podkładem antywibracyjnym do punktów stałych i przesuwnych

M10 galvanized pipe clip with  
 anchor and anti-vibration strip,  
 for fixed and sliding point

Collier acier avec cheville à  
 expansion M10, joint-anti vibratile  
 pour point fixe/coulissant

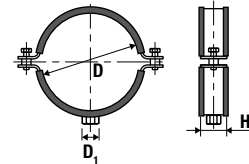
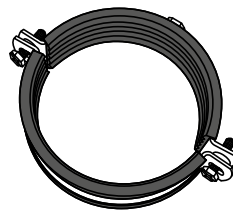



KOD	D	H	L	L <sub>1</sub>	D <sub>1</sub>	D <sub>2</sub>	Śruba Screw - Vis	kg		CL	pln/szt
VS0395021	40	30	120	75	M10	14	M6x20	0,236	50	VA02	29,29
VS0395022	50	30	120	75	M10	14	M6x20	0,260	50	VA02	30,33
VS0395026	75	30	120	75	M10	14	M6x20	0,318	25	VA02	36,15
VS0395028	90	30	120	75	M10	14	M6x20	0,354	25	VA02	39,66
VS0395029	110	30	120	75	M10	14	M6x20	0,399	25	VA02	40,28
VS0395030	125	30	120	75	M10	14	M6x20	0,439	25	VA02	45,39
VS0395032	160	30	120	75	M10	14	M6x20	0,522	25	VA02	55,39

Ocynkowana obejma M10  
 z gumowym podkładem  
 antywibracyjnym  
 do punktów stałych  
 i przesuwnych

M10 galvanized pipe clip  
 with anti-vibration strip,  
 for fixed and sliding point

Collier acier M10 avec joint anti-  
 vibratile pour point fixe/coulissant

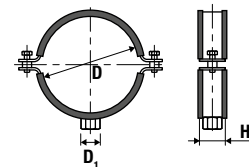
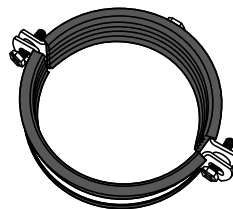



KOD	D	D <sub>1</sub>	H	kg		CL	pln/szt
VS0396081	40	M10	30	0,179	50	VA02	24,19
VS0396082	50	M10	30	0,205	50	VA02	25,22
VS0396086	75	M10	30	0,258	25	VA02	31,25
VS0396088	90	M10	30	0,291	25	VA02	34,55
VS0396089	110	M10	30	0,346	25	VA02	35,12
VS0396090	125	M10	30	0,384	25	VA02	40,28
VS0396092	160	M10	30	0,469	25	VA02	50,28

Ocynkowana obejma G1/2" i  
 G1" z gumowym podkładem  
 antywibracyjnym  
 do punktów stałych  
 i przesuwnych

G1/2" and G1" galvanized pipe  
 clip with anti-vibration strip,  
 for fixed and sliding point

Collier acier G1/2" et G1"  
 avec joint anti-vibratile pour  
 point fixe/coulissant

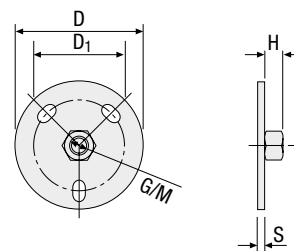
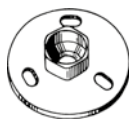


KOD	D	D <sub>1</sub>	H	kg		CL	pln/szt
VS0396061	40	G1/2"	30	0,198	50	VA02	24,60
VS0396062	50	G1/2"	30	0,224	50	VA02	25,63
VS0396066	75	G1/2"	30	0,277	25	VA02	31,82
VS0396068	90	G1/2"	30	0,319	25	VA02	35,17
VS0396069	110	G1/2"	30	0,365	25	VA02	35,79
VS0396070	125	G1/2"	30	0,401	25	VA02	41,00
VS0396072	160	G1/2"	30	0,484	25	VA02	51,21
VS0396073	200	G1"	40	1,257	10	VA02	114,49
VS0396074	250	G1"	40	1,496	10	VA02	131,66

### Okrągły kołnierz ze stali ocynkowanej do mocowania do ściany

Galvanized steel flange for fixing to wall

Bride de fixation



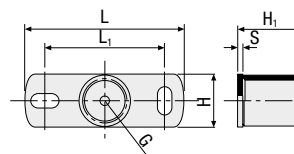
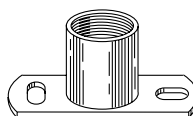
KOD	D	G/M	D <sub>1</sub>	H	s	kg		CL	pln/szt
VS0398001 •	70	G 1/2"	50	15	4	0,141	100	VA02	17,02

• Wyprzedaż. - Sell out. - Fin de stock.

### Prostokątny kołnierz ze stali ocynkowanej do mocowania do ściany

Galvanized steel plate for fixing to wall

Bride en acier zingué pour fixation sur paroi

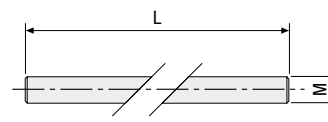
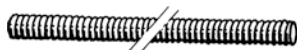


KOD	L	G	L <sub>1</sub>	H	H <sub>1</sub>	s	kg		CL	pln/szt
VS0398004	120	G1/2"	82	40	20	4	0,165	25	VA02	34,42
VS0398005	120	1"	90	40	50	4	0,236	25	VA02	37,39
VS0398007	80	M10	52	30	13	2	0,060	25	VA02	18,41

### Pręt gwintowany

Threaded rod

Tige filetée



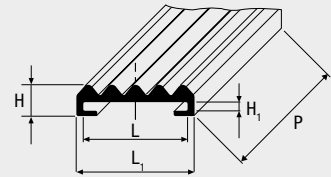
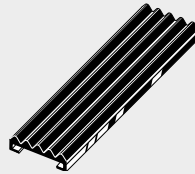
KOD	M	L	kg		CL	pln/szt
VS0408001	M10	1000	0,418	1	VA02	18,67


## Akcesoria - Accessories - Accessoires

### Podkład antywibracyjny do obejmy

Anti-vibration strip for pipe clips

Bande de joint anti-vibratile pour colliers

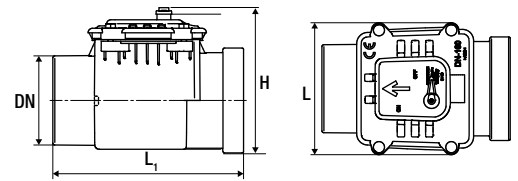
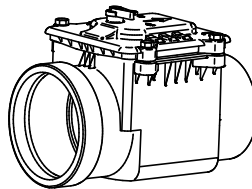



KOD	L	L <sub>1</sub>	H	H <sub>1</sub>	P (m)	kg		CL	pln/szt
VS0399222	30	36	9	3	30	5,427	1	VA02	1 050,70
VS0399224	40	46	9	4	10	2,393	1	VA02	402,09

### Zawór zwrotny klapowy

Back flow preventing valve with locking lever

Clapet simple anti-retour avec ferm



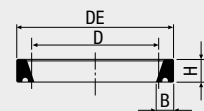
KOD	DN	L	L <sub>1</sub>	H	kg		CL	pln/szt
VS0200112	110	190	310	200	1,420	1	SL02	859,92
VS0200114	125	200	400	270	1,993	1	SL02	949,22
VS0200116	160	235	340	260	2,035	1	SL02	1 031,99
VS0200118	200	304	560	353	6,736	1	SL02	2 287,06


## Części zamienne - Spare parts - Pièces de rechange

### Uszczelka jednowargowa do zaworów zwrotnych

Single-lipped seal for back flow preventing valves

Joint 1 lèvre pour vanne anti reflux




KOD	D/DN	DE	H	B	kg		CL	pln/szt
VS0391015	110/100	123,9	8,9	7,9	0,020	20	VA02	3,61
VS0391017	125/125	142,2	10,2	8,9	0,029	20	VA02	5,68
VS0391019	160/150	179,8	11,5	10,2	0,046	20	VA02	7,48
VS0391021	200/200	223,7	12,8	11,2	0,079	20	VA02	13,16

## Obcinak krążkowy

Pipe cutter  
Coupe tube

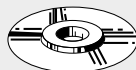


KOD	D	Mod.	kg		CL	pln/szt
VS0458011	6÷76	T1	0,550	1	VA01	622,65
VS0458003	50÷140	T2	1,309	1	VA01	896,76
VS0458005	100÷168	T3	1,384	1	VA01	1 109,79

## Części zamienne - Spare parts - Pièces de rechange

Zapassowe ostrza do  
obcinaka krążkowego

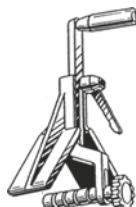
Spare blades  
Lames de rechange




KOD	D	kg		CL	pln/szt
VS0459001	6÷76	0,006	1	VA01	123,33
VS0459003	50÷168	0,025	1	VA01	164,40

## Przyrząd do fazowania rur

Beveling tool  
Chanfreineur

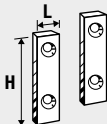



KOD	D	kg		CL	pln/szt
VS0460001	32÷160	0,803	1	VA01	781,73
VS0460003	40÷250	1,385	1	VA01	1 291,83

## Części zamienne - Spare parts - Pièces de rechange

Zapassowe ostrza do fazownika

Spare blades  
Lames de rechange



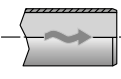
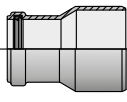
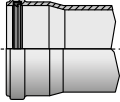
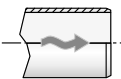
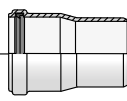
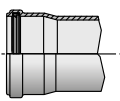

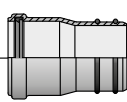
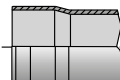
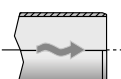
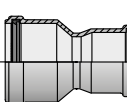
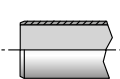
KOD	D	H	L	kg		CL	pln/szt
VS0460110	32÷160	32	13	0,025	1 para - pair	VA01	294,04
VS0460111	40÷250	34	12	0,025	1 para - pair	VA01	308,85

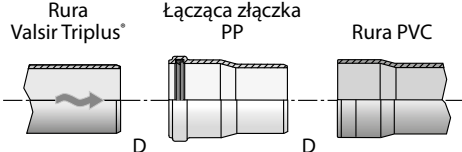
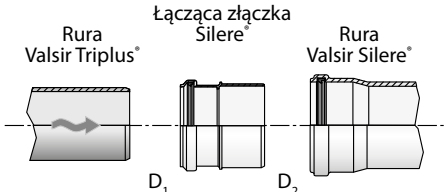

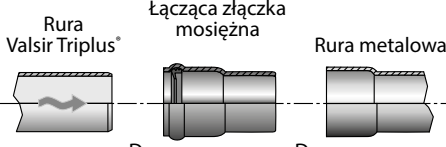


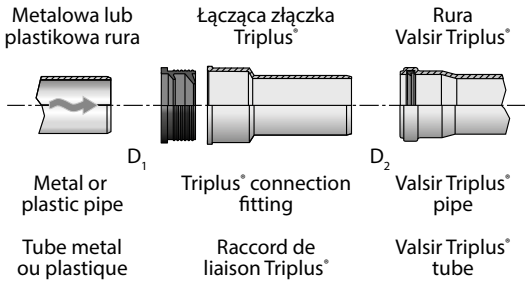
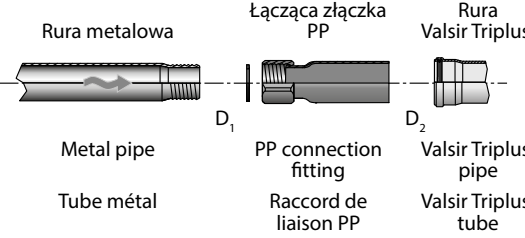


# ŁĄCZENIE RUR TRIPLUS Z SYSTEMAMI Z INNYCH MATERIAŁÓW

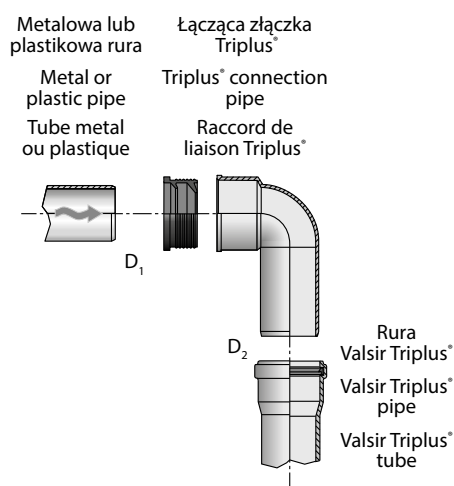
## JOINTING OF TRIPLUS PIPES TO OTHER MATERIALS TRIPLUS A DES TUYAUX DE RACCORDEMENT MATÉRIEL DANS DIFFÉRENTES

Łączone systemy Connection system Système de raccordement			Niezbędne elementy Necessary parts Articles nécessaires	D <sub>1</sub>	D <sub>2</sub>
<p>Rura PVC</p>  <p>PVC pipe PVC tube</p>	<p>Łącząca złączka PP</p>  <p>PP connection fitting Raccord de liaison PP</p>	<p>Rura Valsir Triplus®</p>  <p>Valsir Triplus® pipe Valsir Triplus® tube</p>	VS0565001	De 100 mm	De 110 mm
<p>Rura Valsir Silere®</p>  <p>Valsir Silere® pipe Valsir Silere® tube</p>	<p>Łącząca złączka Silere®</p>  <p>Silere® connection fitting Raccord de liaison Silere®</p>	<p>Rura Valsir Triplus®</p>  <p>Valsir Triplus® pipe Valsir Triplus® tube</p>	VS0237003	De 58 mm	De 50 mm
			VS0237007	De 78 mm	De 75 mm
			VS0237013	De 135 mm	De 125 mm
<p>Rura Valsir Triplus®</p>  <p>Valsir Triplus® pipe Valsir Triplus® tube</p>	<p>Łącząca złączka PP</p>  <p>PP connection fitting Raccord de liaison PP</p>	<p>Rura PVC</p>  <p>PVC pipe PVC tube</p>	VS0564001	De 110 mm	De 100 mm
			VS0564003	De 110 mm	De 100 mm
<p>Rura Valsir Triplus®</p>  <p>Valsir Triplus® pipe Valsir Triplus® tube</p>	<p>Łącząca złączka PP</p>  <p>PP connection fitting Raccord de liaison PP</p>	<p>Rura PVC</p>  <p>PVC pipe PVC tube</p>	VS0565022	De 110 mm	De 100 mm




Łączone systemy Connection system Système de raccordement	Niezbędne elementy Necessary parts Articles nécessaires	D <sub>1</sub>	D <sub>2</sub>
 <p>Rura Valsir Triplus<sup>®</sup> Valsir Triplus<sup>®</sup> pipe Valsir Triplus<sup>®</sup> tube</p> <p>Łącząca złączka PP PP connection fitting Raccord de liaison PP</p> <p>Rura PVC PVC pipe PVC tube</p>	VS0564121	De 40 mm	De 40 mm
	VS0564123	De 50 mm	De 50 mm
	VS0564150	De 50 mm	De 100 mm
	VS0564075	De 75 mm	De 75 mm
	VS0564131	De 75 mm	De 80 mm
	VS0564182	De 75 mm	De 82 mm
	VS0564175	De 75 mm	De 100 mm
	VS0564190	De 90 mm	De 100 mm
	VS0564101	De 110 mm	De 100 mm
	VS0564251	De 110 mm	De 125 mm
 <p>Rura Valsir Triplus<sup>®</sup> Valsir Triplus<sup>®</sup> pipe Valsir Triplus<sup>®</sup> tube</p> <p>Łącząca złączka Silere<sup>®</sup> Silere<sup>®</sup> connection fitting Raccord de liaison Silere<sup>®</sup></p> <p>Rura Valsir Silere<sup>®</sup> Valsir Silere<sup>®</sup> pipe Valsir Silere<sup>®</sup> tube</p>	VS0231001	De 40 mm	De 58 mm
	VS0231003	De 50 mm	De 58 mm
	VS0231005	De 50 mm	De 78 mm
	VS0231007	De 75 mm	De 78 mm
	VS0231013	De 125 mm	De 135 mm
 <p>Rura żeliwna - SML Cast-iron - SML pipe Tube acier-SML</p> <p>Łącząca złączka PP PP connection fitting Raccord de liaison PP</p> <p>Rura Valsir Triplus<sup>®</sup> Valsir Triplus<sup>®</sup> pipe Valsir Triplus<sup>®</sup> tube</p>	VS0569001	De 58 mm	De 50 mm
	VS0569003	De 78 mm	De 75 mm
	VS0569005	De 110 mm	De 110 mm
	VS0569007	De 135 mm	De 125 mm
	 <p>Rura Valsir Triplus<sup>®</sup> Valsir Triplus<sup>®</sup> pipe Valsir Triplus<sup>®</sup> tube</p> <p>Łącząca złączka mosiężna Connection fitting in brass Raccord de liaison en laiton</p> <p>Rura metalowa Metal pipe Tube métal</p>	VS0570001	De 32 mm
VS0570002		De 40 mm	DN 32 mm
VS0570003		De 40 mm	DN 40 mm




Łączone systemy Connection system Système de raccordement	Niezbędne elementy Necessary parts Articles nécessaires	D <sub>1</sub>	D <sub>2</sub>
	VS0650981 + VS0334003	De 24÷32 mm	De 32 mm
	VS0650981 + VS0334005	De 36÷40 mm	De 32 mm
	VS0650982 + VS0334003	De 24÷32 mm	De 40 mm
	VS0650982 + VS0334005	De 36÷40 mm	De 40 mm
	VS0650983 + VS0523011	De 36÷40 mm	De 40 mm
	VS0650984 + VS0523015	De 24÷32 mm	De 40 mm
	VS0650984 + VS0523017	De 36÷40 mm	De 40 mm
	VS0650985 + VS0523015	De 24÷32 mm	De 50 mm
	VS0650985 + VS0523017	De 36÷40 mm	De 50 mm
	VS0700052	G 1"1/4	De 40 mm
	VS0700064	G 1"1/2	De 40 mm
	VS0700252	G 1"1/4	De 40 mm
	VS0700264	G 1"1/2	De 40 mm
	VS0700267	G 1"1/4	De 50 mm
	VS0700269	G 1"1/2	De 50 mm




Łączone systemy Connection system Système de raccordement	Niezbędne elementy Necessary parts Articles nécessaires	D <sub>1</sub>	D <sub>2</sub>
	VS0650971 + VS0334003	De 24÷32 mm	De 32 mm
	VS0650971 + VS0334005	De 36÷40 mm	De 32 mm
	VS0650991 + VS0334003	De 24÷32 mm	De 32 mm
	VS0650991 + VS0334005	De 36÷40 mm	De 32 mm
	VS0650972 + VS0334003	De 24÷32 mm	De 40 mm
	VS0650972 + VS0334005	De 36÷40 mm	De 40 mm
	VS0650973 + VS0523015	De 24÷32 mm	De 40 mm
	VS0650973 + VS0523017	De 36÷40 mm	De 40 mm
	VS0650992 + VS0334003	De 24÷32 mm	De 40 mm
	VS0650992 + VS0334005	De 36÷40 mm	De 40 mm
	VS0650993 + VS0523011	De 36÷40 mm	De 40 mm
	VS0650974 + VS0523015	De 24÷32 mm	De 50 mm
	VS0650974 + VS0523017	De 36÷40 mm	De 50 mm
	VS0650975 + VS0523019	De 46÷55 mm	De 50 mm
	VS0650996 + VS0523011	De 36÷40 mm	De 50 mm



LISTA TOWARÓW  
LIST OF PRODUCTS  
LISTE DES ARTICLES

KOD	str.		CL	pln	KOD	str.		CL	pln	KOD	str.		CL	pln
VS0200112	31	1	SL02	859,92	VS0396070	29	25	VA02	41,00	VS0503224	20	40	VA02	4,39
VS0200114	31	1	SL02	949,22	VS0396072	29	25	VA02	51,21	VS0503225	20	40	VA02	4,90
VS0200116	31	1	SL02	1 031,99	VS0396073	29	10	VA02	114,49	VS0503226	20	40	VA02	4,90
VS0200118	31	1	SL02	2 287,06	VS0396074	29	10	VA02	131,66	VS0523011	21	30	VA02	6,92
VS0334003	21	100	VA02	4,43	VS0396081	29	50	VA02	24,19	VS0523015	21	30	VA02	6,92
VS0334005	21	150	VA02	4,43	VS0396082	29	50	VA02	25,22	VS0523017	21	30	VA02	6,92
VS0391001	24	50	VA02	2,32	VS0396086	29	25	VA02	31,25	VS0523019	21	30	VA02	10,53
VS0391003	24	50	VA02	2,32	VS0396088	29	25	VA02	34,55	VS0531323	25	100	TP02	60,19
VS0391005	24	50	VA02	2,32	VS0396089	29	25	VA02	35,12	VS0531325	25	50	TP02	73,52
VS0391011	24	20	VA02	2,84	VS0396090	29	25	VA02	40,28	VS0531326	25	50	TP02	88,04
VS0391013	24	20	VA02	3,51	VS0396092	29	25	VA02	50,28	VS0531327	25	30	TP02	75,16
VS0391015	24	20	VA02	3,61	VS0398001	30	100	VA02	17,02	VS0531333	25	10	PP02	123,69
VS0391017	24	20	VA02	5,68	VS0398004	30	25	VA02	34,42	VS0531335	25	5	PP02	204,80
VS0391019	24	20	VA02	7,48	VS0398005	30	25	VA02	37,39	VS0531337	25	5	PP02	217,29
VS0391021	24	20	VA02	13,16	VS0398007	30	25	VA02	18,41	VS0559001	24	50	VA02	5,81
VS0391023	24	1	VA02	26,55	VS0399222	31	1	VA02	1 050,70	VS0559003	24	50	VA02	5,81
VS0394001	25	10	PP02	185,52	VS0399224	31	1	VA02	402,09	VS0650001	4	30	TP01	8,50
VS0394003	25	5	PP02	206,13	VS0408001	30	1	VA03	18,67	VS0650003	4	30	TP01	11,01
VS0394005	25	5	PP02	221,18	VS0410019	26	1	VA02	3 113,72	VS0650005	4	30	TP01	15,22
VS0395001	27	50	VA02	20,11	VS0410021	26	1	VA02	4 631,56	VS0650007	4	24	TP01	23,88
VS0395003	27	50	VA02	22,02	VS0411000	26	1	VA02	363,81	VS0650009	4	24	TP01	36,51
VS0395007	27	25	VA02	24,50	VS0411001	26	1	VA02	363,81	VS0650011	4	24	TP01	44,33
VS0395009	27	25	VA02	24,50	VS0411003	26	1	VA02	363,81	VS0650013	4	24	TP01	67,07
VS0395011	27	25	VA02	24,50	VS0411009	26	1	VA02	533,45	VS0650021	4	30	TP01	8,50
VS0395013	27	25	VA02	27,59	VS0411011	26	1	VA02	749,07	VS0650023	4	30	TP01	11,01
VS0395015	27	25	VA02	30,69	VS0411012	26	1	VA02	749,07	VS0650025	4	50	TP01	15,22
VS0395021	28	50	VA02	29,29	VS0411013	26	1	VA02	749,07	VS0650027	4	20	TP01	23,88
VS0395022	28	50	VA02	30,33	VS0411015	26	1	VA02	941,82	VS0650029	4	20	TP01	36,70
VS0395026	28	25	VA02	36,15	VS0411017	26	1	VA02	1 480,08	VS0650031	4	20	TP01	44,33
VS0395028	28	25	VA02	39,66	VS0458011	32	1	VA01	622,65	VS0650033	4	20	TP01	71,63
VS0395029	28	25	VA02	40,28	VS0458003	32	1	VA01	896,76	VS0650041	4	30	TP01	9,72
VS0395030	28	25	VA02	45,39	VS0458005	32	1	VA01	1 109,79	VS0650043	4	30	TP01	11,64
VS0395032	28	25	VA02	55,39	VS0459011	32	1	VA01	123,33	VS0650045	4	35	TP01	16,48
VS0396001	28	50	VA02	16,61	VS0459003	32	1	VA01	164,40	VS0650047	4	30	TP01	23,91
VS0396003	28	50	VA02	18,19	VS0460001	32	1	VA01	781,73	VS0650049	4	30	TP01	38,99
VS0396007	28	25	VA02	20,03	VS0460003	32	1	VA01	1 291,83	VS0650051	4	30	TP01	49,29
VS0396009	28	25	VA02	20,03	VS0460110	32	1	VA01	294,04	VS0650053	4	30	TP01	77,15
VS0396011	28	25	VA02	20,03	VS0460111	32	1	VA01	308,85	VS0650061	4	20	TP01	17,66
VS0396013	28	25	VA02	22,66	VS0503000	23	100	PP02	2,84	VS0650063	4	20	TP01	20,69
VS0396015	28	25	VA02	25,55	VS0503001	23	40	PP02	4,12	VS0650065	4	20	TP01	27,93
VS0396021	27	50	VA02	19,55	VS0503003	23	50	PP02	4,12	VS0650067	4	20	TP01	40,16
VS0396023	27	50	VA02	21,41	VS0503005	23	30	PP02	4,94	VS0650069	4	20	TP01	57,24
VS0396027	27	25	VA02	23,57	VS0503007	23	30	PP02	6,16	VS0650071	4	20	TP01	75,22
VS0396029	27	25	VA02	23,57	VS0503008	23	30	PP02	6,16	VS0650073	4	20	TP01	111,68
VS0396031	27	25	VA02	23,57	VS0503009	23	20	PP02	8,66	VS0650081	4	24	TP01	19,40
VS0396033	27	25	VA02	26,66	VS0503011	23	10	PP02	21,18	VS0650083	4	24	TP01	24,83
VS0396035	27	25	VA02	30,06	VS0503013	23	1	PP02	21,98	VS0650085	4	24	TP01	37,52
VS0396050	28	10	VA02	95,87	VS0503015	24	30	PP02	5,76	VS0650087	4	10	TP01	59,13
VS0396052	28	10	VA02	105,57	VS0503017	24	30	PP02	6,76	VS0650089	4	10	TP01	81,66
VS0396061	29	50	VA02	24,60	VS0503018	24	30	PP02	8,18	VS0650091	4	10	TP01	112,12
VS0396062	29	50	VA02	25,63	VS0503019	24	20	PP02	10,22	VS0650093	4	10	TP01	162,42
VS0396066	29	25	VA02	31,82	VS0503031	24	10	PP02	18,80	VS0650101	4	15	TP01	22,54
VS0396068	29	25	VA02	35,17	VS0503033	24	50	PP02	4,94	VS0650103	4	15	TP01	27,38
VS0396069	29	25	VA02	35,79	VS0503222	20	40	VA02	3,15	VS0650105	4	15	TP01	42,01

KOD	str.		CL	pln	KOD	str.		CL	pln	KOD	str.		CL	pln
VS0650107	5	15	TP01	65,73	VS0650327	6	8	TP01	118,25	VS0650523	10	20	TP02	33,67
VS0650109	5	15	TP01	91,93	VS0650329	6	8	TP01	155,62	VS0650525	10	20	TP02	50,83
VS0650111	5	15	TP01	114,58	VS0650331	6	8	TP01	211,96	VS0650529	10	20	TP02	50,83
VS0650113	5	15	TP01	180,24	VS0650333	6	8	TP01	295,23	VS0650531	10	10	TP02	56,86
VS0650121	5	10	TP01	31,79	VS0650401	7	80	TP02	8,79	VS0650535	10	10	TP02	56,86
VS0650123	5	10	TP01	40,76	VS0650403	7	80	TP02	8,79	VS0650537	10	5	TP02	197,10
VS0650125	5	6	TP01	59,01	VS0650405	8	80	TP02	8,79	VS0650541	10	10	TP02	197,10
VS0650127	5	8	TP01	95,59	VS0650407	8	60	TP02	9,29	VS0650543	10	1	TP02	307,45
VS0650129	5	8	TP01	130,68	VS0650409	9	60	TP02	9,29	VS0650547	10	1	TP02	307,45
VS0650131	5	8	TP01	176,43	VS0650411	7	50	TP02	9,29	VS0650551	11	40	TP02	20,45
VS0650133	5	8	TP01	249,60	VS0650413	7	50	TP02	9,29	VS0650555	12	40	TP02	20,45
VS0650141	5	1	TP01	49,64	VS0650415	8	50	TP02	8,79	VS0650557	11	20	TP02	24,38
VS0650143	5	1	TP01	60,11	VS0650417	8	50	TP02	9,97	VS0650561	12	25	TP02	24,38
VS0650145	5	1	TP01	91,93	VS0650419	9	50	TP02	9,29	VS0650563	11	25	TP02	33,67
VS0650147	5	6	TP01	145,67	VS0650421	7	30	TP02	12,07	VS0650567	12	25	TP02	33,67
VS0650149	5	6	TP01	201,06	VS0650423	7	30	TP02	12,07	VS0650569	11	25	TP02	33,67
VS0650151	5	6	TP01	270,80	VS0650425	8	30	TP02	11,12	VS0650573	12	25	TP02	33,67
VS0650153	5	6	TP01	388,50	VS0650427	8	30	TP02	15,05	VS0650575	11	20	TP02	50,83
VS0650167	5	4	TP01	345,19	VS0650429	9	30	TP02	12,26	VS0650579	12	15	TP02	50,83
VS0650171	5	4	TP01	611,50	VS0650431	7	20	TP02	19,10	VS0650581	11	20	TP02	50,83
VS0650173	5	4	TP01	861,97	VS0650433	7	20	TP02	19,10	VS0650585	12	20	TP02	50,83
VS0650187	5	4	TP01	581,89	VS0650435	8	20	TP02	19,10	VS0650587	11	20	TP02	56,86
VS0650193	5	4	TP01	1 450,35	VS0650437	8	20	TP02	24,99	VS0650591	12	20	TP02	56,86
VS0650205	6	30	TP01	21,59	VS0650439	9	20	TP02	24,99	VS0650593	11	20	TP02	56,86
VS0650207	6	24	TP01	30,60	VS0650441	7	20	TP02	26,02	VS0650597	12	20	TP02	56,86
VS0650209	6	24	TP01	43,94	VS0650443	7	20	TP02	26,02	VS0650599	11	15	TP02	56,86
VS0650211	6	24	TP01	53,31	VS0650445	8	20	TP02	26,02	VS0650603	12	15	TP02	56,86
VS0650213	6	24	TP01	78,48	VS0650447	8	20	TP02	29,08	VS0650605	11	10	TP02	129,88
VS0650225	6	35	TP01	21,59	VS0650449	9	20	TP02	27,71	VS0650609	12	10	TP02	129,88
VS0650227	6	20	TP01	30,60	VS0650451	7	20	TP02	29,19	VS0650611	11	8	TP02	129,88
VS0650229	6	20	TP01	43,94	VS0650453	7	20	TP02	29,19	VS0650615	12	8	TP02	129,88
VS0650231	6	20	TP01	53,31	VS0650455	8	20	TP02	27,24	VS0650617	11	1	TP02	204,70
VS0650233	6	20	TP01	86,31	VS0650457	8	20	TP02	30,76	VS0650621	12	1	TP02	204,70
VS0650245	6	25	TP01	24,51	VS0650459	9	20	TP02	29,19	VS0650623	11	1	TP02	204,70
VS0650247	6	30	TP01	33,40	VS0650461	7	20	TP02	54,60	VS0650627	12	1	TP02	204,70
VS0650249	6	30	TP01	46,69	VS0650463	7	20	TP02	54,60	VS0650629	11	1	TP02	618,12
VS0650251	6	30	TP01	59,24	VS0650465	8	15	TP02	54,60	VS0650631	12	1	TP02	663,55
VS0650253	6	30	TP01	92,60	VS0650467	8	15	TP02	80,02	VS0650633	11	1	TP02	637,69
VS0650265	6	12	TP01	32,76	VS0650469	9	10	TP02	80,02	VS0650635	12	1	TP02	689,72
VS0650267	6	10	TP01	49,61	VS0650471	7	1	TP02	85,29	VS0650637	11	1	TP02	657,17
VS0650269	6	10	TP01	68,30	VS0650473	7	1	TP02	85,29	VS0650639	12	1	TP02	715,71
VS0650271	6	10	TP01	89,10	VS0650475	8	1	TP02	85,29	VS0650643	11	1	TP02	865,31
VS0650273	6	10	TP01	132,92	VS0650479	9	1	TP02	132,26	VS0650645	12	1	TP02	995,46
VS0650285	6	8	TP01	42,17	VS0650485	8	1	TP02	526,98	VS0650647	11	1	TP02	962,94
VS0650287	6	10	TP01	67,27	VS0650489	9	1	TP02	614,86	VS0650649	12	1	TP02	1 093,09
VS0650289	6	10	TP01	92,09	VS0650495	8	1	TP02	949,95	VS0650650	11	1	TP02	1 320,76
VS0650291	6	10	TP01	134,49	VS0650499	9	1	TP02	1 047,58	VS0650651	12	1	TP02	1 431,42
VS0650293	6	10	TP01	195,11	VS0650501	10	40	TP02	19,10	VS0650654	13	5	TP02	227,29
VS0650305	6	12	TP01	54,88	VS0650505	10	40	TP02	19,10	VS0650655	12	5	TP02	113,72
VS0650307	6	10	TP01	83,52	VS0650507	10	20	TP02	20,45	VS0650656	13	5	TP02	227,29
VS0650309	6	10	TP01	110,46	VS0650511	10	20	TP02	20,45	VS0650657	13	5	TP02	237,98
VS0650311	6	10	TP01	149,13	VS0650513	10	20	TP02	24,38	VS0650659	13	5	TP02	497,33
VS0650313	6	10	TP01	216,56	VS0650517	10	20	TP02	24,38	VS0650661	13	5	TP02	278,03
VS0650325	6	6	TP01	80,28	VS0650519	10	20	TP02	33,67	VS0650662	13	1	TP02	887,81

KOD	str.		CL	pln	KOD	str.		CL	pln	KOD	str.		CL	pln
VS0650667	13	1	TP02	887,81	VS0650813	21	20	TP02	59,69	VS0652901	9	50	TP02	9,90
VS0650669	10	1	TP02	910,90	VS0650815	21	1	TP02	89,99	VS0652902	9	30	TP02	12,38
VS0650671	10	1	TP02	969,43	VS0650817	21	1	TP02	494,54	VS0652903	9	15	TP02	25,26
VS0650685	10	1	TP02	1 594,09	VS0650819	21	1	TP02	956,45	VS0652904	9	20	TP02	28,31
VS0650687	10	1	TP02	1 613,65	VS0650851	22	60	TP02	12,07	VS0652905	9	20	TP02	29,92
VS0650689	11	10	TP02	64,12	VS0650853	22	30	TP02	12,76	VS0652910	13	15	TP02	189,76
VS0650691	12	10	TP02	64,12	VS0650855	22	30	TP02	13,95	VS0652911	13	12	TP02	189,76
VS0650693	11	8	TP02	104,81	VS0650857	22	20	TP02	20,55	VS0652912	13	5	TP02	210,81
VS0650694	11	20	TP02	59,15	VS0650859	22	20	TP02	28,66	VS0652913	13	5	TP02	218,53
VS0650695	11	10	TP02	59,15	VS0650861	22	20	TP02	31,91	VS0652914	13	5	TP02	227,29
VS0650696	11	10	TP02	61,67	VS0650863	22	20	TP02	59,69	VS0654XXXXXX	15	-	TP02	*
VS0650701	20	50	TP02	14,52	VS0650865	22	1	TP02	89,99	VS0700401	26	12	VA02	260,17
VS0650703	20	40	TP02	14,52	VS0650867	22	1	TP02	494,54	VS0700402	26	6	VA02	479,38
VS0650705	20	50	TP02	14,52	VS0650869	22	1	TP02	956,45	VS0701028	16	1	SF01	47,28
VS0650707	20	30	TP02	18,00	VS0650901	18	20	TP02	43,57	VS0701031	16	1	SF01	47,28
VS0650708	20	20	TP02	18,80	VS0650903	18	20	TP02	53,34	VS0701032	16	1	SF01	34,30
VS0650709	20	30	TP02	18,00	VS0650905	18	20	TP02	70,65	VS0701035	16	1	SF01	60,14
VS0650711	20	20	TP02	24,99	VS0650907	18	15	TP02	83,03	VS0701205	17	15	SF01	57,44
VS0650713	20	20	TP02	24,99	VS0650909	18	10	TP02	162,36	VS0701207	17	15	SF01	60,39
VS0650715	20	20	TP02	26,64	VS0650911	18	1	TP02	250,02	VS0701528	17	1	SF01	530,52
VS0650717	21	20	TP02	26,64	VS0650913	18	1	TP02	1 027,71	VS0701660	17	1	SF01	76,93
VS0650719	21	20	TP02	26,64	VS0650915	18	1	TP02	1 273,00	VS0701702	16	1	SF01	29,39
VS0650720	21	20	TP02	27,48	VS0650951	18	40	TP02	9,29	VS0701741	16	5	SF01	214,24
VS0650721	21	20	TP02	26,64	VS0650953	18	20	TP02	13,95	VS0710311	17	1	DS01	121,51
VS0650723	21	20	TP02	30,42	VS0650955	18	15	TP02	18,00	VS0710313	17	1	DS01	28,57
VS0650729	21	20	TP02	48,15	VS0650957	18	30	TP02	29,50	VS0710315	17	1	DS01	17,44
VS0650731	21	1	TP02	72,03	VS0650959	18	20	TP02	40,66	VS0900001	33	50	VA02	11,63
VS0650733	21	1	TP02	72,03	VS0650961	18	10	TP02	54,00	VS0900003	33	50	VA02	13,33
VS0650735	21	1	TP02	574,83	VS0650963	18	10	TP02	67,26	VS0900005	33	1	VA02	56,57
VS0650739	21	1	TP02	611,66	VS0650971	19	20	TP02	24,38	VS0900007	33	1	VA02	261,98
VS0650747	21	1	TP02	1 190,69	VS0650972	19	20	TP02	24,38					
VS0650751	22	30	TP02	28,55	VS0650973	19	20	TP02	24,38					
VS0650753	22	20	TP02	29,81	VS0650974	19	20	TP02	24,38					
VS0650755	22	20	TP02	35,00	VS0650975	19	20	TP02	24,38					
VS0650757	22	10	TP02	45,97	VS0650981	19	40	TP02	24,38					
VS0650759	22	20	TP02	47,62	VS0650982	19	40	TP02	24,38					
VS0650761	22	10	TP02	62,82	VS0650983	19	20	TP02	24,38					
VS0650771	23	30	TP02	28,55	VS0650984	19	40	TP02	24,38					
VS0650773	23	20	TP02	29,81	VS0650985	19	30	TP02	24,38					
VS0650775	23	20	TP02	35,00	VS0650991	19	20	TP02	27,02					
VS0650777	23	10	TP02	45,97	VS0650992	19	20	TP02	27,02					
VS0650779	23	20	TP02	47,62	VS0650993	19	20	TP02	27,02					
VS0650781	23	10	TP02	64,05	VS0650996	19	20	TP02	27,02					
VS0650790	20	100	TP02	15,02	VS0651XXXXXX	15	-	TP02	*					
VS0650791	20	80	TP02	15,02	VS0652001	15	2	TP02	421,67					
VS0650793	20	20	TP02	25,67	VS0652105	14	5	TP02	467,26					
VS0650795	20	20	TP02	29,43	VS0652110	14	5	TP02	501,38					
VS0650797	20	30	TP02	64,12	VS0652116	14	1	TP02	909,10					
VS0650801	21	60	TP02	12,07	VS0652165	14	5	TP02	467,26					
VS0650803	21	30	TP02	12,76	VS0652170	14	5	TP02	501,38					
VS0650805	21	30	TP02	13,95	VS0652176	14	1	TP02	909,10					
VS0650807	21	20	TP02	20,55	VS0652265	14	5	TP02	687,43					
VS0650809	21	20	TP02	28,66	VS0652270	14	5	TP02	712,88					
VS0650811	21	20	TP02	31,91	VS0652276	14	1	TP02	1 246,02					

\* Na zapytanie. - On request. - Sur demande.



Handwriting practice sheet with 20 horizontal lines. The first 10 lines are pre-filled with a series of 10 different geometric and abstract shapes on the right side, each partially overlapping the line. The remaining 10 lines are blank for practice.

A series of horizontal lines for handwriting practice, with various symbols placed at the end of each line. The symbols include: a vertical bar, a semi-circle, a flame, a teardrop, a swirl, a hook, a swastika, a U-shape, a teardrop, a spiral, a triangle, a vertical bar, and a swirl.

Handwriting practice sheet with 15 sets of horizontal lines. Each set consists of a solid top line, a dashed midline, and a solid bottom line. The first 10 sets of lines have a circular icon at the end of the top line. The icons are: 1. A circle with a vertical line through the center. 2. A circle with a vertical line through the center. 3. A circle with a flame-like shape. 4. A circle with a flame-like shape. 5. A circle with a flame-like shape. 6. A circle with a flame-like shape. 7. A circle with a flame-like shape. 8. A circle with a flame-like shape. 9. A circle with a flame-like shape. 10. A circle with a flame-like shape. The remaining 5 sets of lines do not have icons.

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