



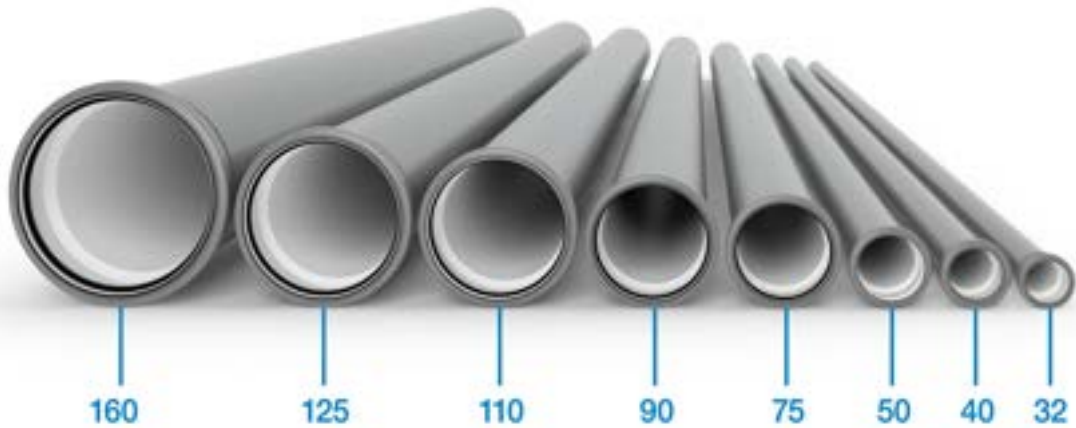
PP3: push-fit systems for waste inside the building

PP3: Schallgedämmtes Abflusssystem mit Steckverbindung für Abwasserleitungen in Gebäuden

PP3 RANGE
SORTIMENT PP3

VALSIR PP3[®], THE LATEST TECHNOLOGY IN PUSH-FIT SYSTEMS

*VALSIR PP3[®], DIE NEUE TECHNOLOGIE FÜR ABFLUSSSYSTEME
MIT STECKVERBINDUNGEN*



Valsir PP3[®] is a waste system made up of pipes, fittings and accessories for the construction of waste and rainwater drainage systems.

Valsir PP3[®] ist das aus Rohren, Formteilen und Zubehörteilen bestehende Abflusssystem für Abwasser- und Regenwasser-Abflusssysteme.

Valsir PP3[®] is an extremely light system and with its push-fit socket with hydraulic seal it represents the most simple solution for the construction of waste and drainage systems.

Valsir PP3[®] ist ein System mit äußerst geringem Gewicht und dank der Steckmuffe mit Dichtung ist es die einfachste Lösung für die Realisierung von Abflusanlagen.



- High impact resistance at extremely rigid temperatures below -10°C.
 - Simple and fast to install without any special tools thanks to the push-fit connection.
 - The pipes are supplied in various lengths and with two sockets thus allowing reductions in left-over material.
 - Wide range of special pieces that allow any type of system to be constructed.
 - Resistance to intermittent discharges at temperatures as high as 95°C.
 - High chemical resistance to the substances dissolved in civil and industrial waste waters.
 - Easily connected to other waste systems (cast iron, PVC, etc).
 - Low coefficient of thermal expansion.
 - No need of any special tools or appliances.
 - The recyclability and production processes of this product are based on the Green Building Principles.
- *Hohe Schlagfestigkeit bei extrem niedrigen Temperaturen unter -10°C.*
 - *Durch die Steckverbindung ist die Montage ohne den Einsatz von Spezialausrüstung und Spezialwerkzeugen einfach und schnell umsetzbar.*
 - *Die Rohre sind in verschiedenen Längen und mit Doppelsteckmuffe erhältlich, wodurch das Abfallmaterial auf ein Minimum reduziert wird.*
 - *Große Auswahl an Sonderanfertigungen, die die Erstellung jeder Art von Anlage ermöglichen.*
 - *Temperaturbeständig bei gelegentlichem Durchfluss von Abwasser bis 95°C.*
 - *Hohe chemische Beständigkeit gegen in zivilen und industriellen Abwässern gelöste Stoffe.*
 - *Einfacher Anschluss an andere Entwässerungssysteme (Gusseisen, PVC, etc.).*
 - *Niedriger Wärmeausdehnungskoeffizient.*
 - *Das Produkt, seine Recyclingfähigkeit und die verwendeten Produktionsverfahren basieren auf den Prinzipien des Green Building.*

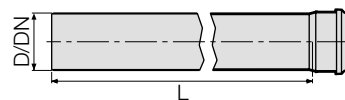


PP3® RANGE





SORTIMENT PP3®

HTEM Single socket pipe PP3®

HTEM Abflussrohr PP3®
mit Steckmuffe und
Gummidichtung



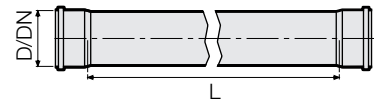
COD.	D	DN	L	kg				HxLxP	CL	€/pz
VS0501001	32	30	150	0,043	20	320	2240	1351x800x1200	PP01	1,96
VS0501003	32	30	250	0,061	32	256	2304	1476x800x1200	PP01	2,58
VS0501005	32	30	500	0,107	28	168	1344	1406x800x1200	PP01	4,05
VS0501007	32	30	750	0,152	30	150	750	1090x1200x850	PP01	4,77
VS0501009	32	30	1000	0,198	24	120	840	1190x1200x1100	PP01	6,51
VS0501011	32	30	1500	0,289	24	120	840	1190x1200x1600	PP01	9,11
VS0501013	32	30	2000	0,380	24	120	840	1190x1200x2110	PP01	12,10
VS0501015	32	30	3000	0,562	24	120	840	1190x1200x3100	PP01	18,15
VS0501021	40	40	150	0,057	36	288	1728	1386x800x1200	PP01	1,83
VS0501023	40	40	250	0,077	30	240	1200	1301x800x1200	PP01	2,22
VS0501025	40	40	500	0,132	54	216	1080	1501x800x1200	PP01	3,22
VS0501027	40	40	750	0,187	10	100	500	1070x1210x850	PP01	4,36
VS0501029	40	40	1000	0,243	20	100	500	1070x1210x1120	PP01	5,30
VS0501031	40	40	1500	0,353	20	100	500	1070x1210x1600	PP01	7,45
VS0501033	40	40	2000	0,464	20	100	500	1070x1210x2110	PP01	10,24
VS0501035	40	40	3000	0,685	20	100	500	1070x1210x3140	PP01	14,87
VS0501041	50	50	150	0,070	32	256	1280	1301x800x1200	PP01	2,24
VS0501043	50	50	250	0,099	30	240	960	1426x800x1200	PP01	2,66
VS0501045	50	50	500	0,171	35	140	700	1501x800x1200	PP01	3,92
VS0501047	50	50	750	0,243	30	120	360	1130x1200x880	PP01	5,10
VS0501049	50	50	1000	0,315	30	120	360	1130x1200x1140	PP01	6,56
VS0501051	50	50	1500	0,459	30	120	360	1130x1200x1630	PP01	11,43
VS0501053	50	50	2000	0,603	30	120	360	1130x1200x2120	PP01	12,96
VS0501055	50	50	3000	0,891	30	120	360	1130x1200x3110	PP01	19,00
VS0501061	75	70	150	0,108	30	240	480	1096x800x1200	PP01	3,04
VS0501063	75	70	250	0,152	20	120	480	1466x800x1200	PP01	3,79
VS0501065	75	70	500	0,263	20	80	320	1426x800x1200	PP01	5,76
VS0501067	75	70	750	0,373	20	60	180	1100x1230x870	PP01	7,86
VS0501069	75	70	1000	0,483	20	60	180	1100x1230x1130	PP01	9,63
VS0501071	75	70	1500	0,704	20	60	180	1100x1230x1620	PP01	16,28
VS0501073	75	70	2000	0,924	20	60	180	1100x1230x2140	PP01	18,17
VS0501075	75	70	3000	1,365	20	60	180	1100x1230x3150	PP01	25,56
VS0501141	90	90	150	0,147	24	96	480	1301x800x1200	PP01	4,40
VS0501143	90	90	250	0,207	24	96	384	1466x800x1200	PP01	5,81
VS0501145	90	90	500	0,357	24	96	192	1336x800x1200	PP01	9,55
VS0501149	90	90	1000	0,657	10	-	120	1130x1200x1180	PP01	16,13
VS0501151	90	90	1500	0,957	10	-	120	1130x1200x1620	PP01	23,04
VS0501153	90	90	2000	1,257	10	-	120	1130x1200x2100	PP01	32,83
VS0501155	90	90	3000	1,857	10	-	120	1130x1200x3130	PP01	50,26
VS0501081	110	100	150	0,234	20	60	240	1080x800x1200	PP01	4,96

COD.	D	DN	L	kg				HxLxP 	CL	€/pz
VS0501083	110	100	250	0,326	15	60	240	1466x800x1200	PP01	6,56
VS0501085	110	100	500	0,557	15	60	120	1336x800x1200	PP01	10,79
VS0501087	110	100	750	0,787	15	30	90	1210x1230x930	PP01	15,06
VS0501089	110	100	1000	1,018	15	30	90	1210x1230x1200	PP01	18,20
VS0501091	110	100	1500	1,479	15	30	90	1190x1230x1660	PP01	26,14
VS0501093	110	100	2000	1,940	15	30	90	1210x1230x2150	PP01	37,24
VS0501095	110	100	3000	2,862	15	30	90	1210x1230x3200	PP01	57,03
VS0501101	125	125	150	0,311	10	40	200	1326x800x1200	PP01	11,94
VS0501103	125	125	250	0,432	11	44	176	1466x800x1200	PP01	12,76
VS0501105	125	125	500	0,736	6	48	96	1316x800x1200	PP01	17,52
VS0501107	125	125	750	1,039	8	16	64	1270x1100x900	PP01	25,56
VS0501109	125	125	1000	1,342	8	16	64	1270x1100x1140	PP01	31,74
VS0501111	125	125	1500	1,949	8	16	64	1270x1100x1645	PP01	43,65
VS0501113	125	125	2000	2,555	8	16	64	1270x1100x2155	PP01	57,03
VS0501115	125	125	3000	3,768	8	16	64	1270x1100x3180	PP01	81,11
VS0501121	160	150	150	0,481	6	24	120	1401x800x1200	PP01	18,43
VS0501123	160	150	250	0,669	6	24	72	1191x800x1200	PP01	23,89
VS0501125	160	150	500	1,138	6	24	48	1336x800x1200	PP01	33,56
VS0501129	160	150	1000	2,076	6	12	36	1130x1080x1180	PP01	53,51
VS0501131	160	150	1500	3,015	6	12	36	1130x1080x1600	PP01	74,58
VS0501133	160	150	2000	3,953	6	12	36	1130x1080x2220	PP01	96,73
VS0501135	160	150	3000	5,830	6	12	36	1130x1080x3200	PP01	140,96

PP3 RANGE
SORTIMENT PP3

**HTEM Double socket
pipe PP3®**

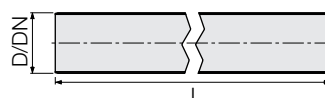
*HTEM Abflussrohr PP3®
mit 2 Steckmuffen und
Gummidichtung*



COD.	D	DN	L	kg				HxLxP	CL	€/pz
VS0501201	32	30	500	0,123	30	180	1080	1476x800x1200	PP01	6,56
VS0501202	32	30	750	0,168	30	120	840	1230x1200x910	PP01	7,01
VS0501203	32	30	1000	0,214	24	120	840	1230x1200x1170	PP01	7,35
VS0501204	32	30	1500	0,305	24	120	840	1190x1200x1650	PP01	11,55
VS0501205	32	30	2000	0,396	24	120	840	1190x1200x2145	PP01	14,01
VS0501207	32	30	3000	0,577	24	120	840	1230x1200x3130	PP01	18,64
VS0501213	40	40	500	0,153	35	280	560	1386x800x1200	PP01	4,09
VS0501214	40	40	750	0,209	30	150	600	1300x1200x915	PP01	5,79
VS0501215	40	40	1000	0,264	20	100	500	1080x1200x1155	PP01	6,14
VS0501216	40	40	1500	0,374	20	100	500	1080x1200x1670	PP01	9,41
VS0501217	40	40	2000	0,485	20	100	500	1080x1200x2160	PP01	11,06
VS0501219	40	40	3000	0,706	20	100	500	1080x1200x3185	PP01	16,34
VS0501225	50	50	500	0,198	24	192	384	1386x800x1200	PP01	4,96
VS0501226	50	50	750	0,270	30	120	360	1190x1200x945	PP01	7,06
VS0501227	50	50	1000	0,342	30	120	360	1160x1200x1200	PP01	7,38
VS0501228	50	50	1500	0,486	30	120	360	1170x1200x1680	PP01	11,93
VS0501229	50	50	2000	0,630	30	120	360	1160x1200x2165	PP01	14,59
VS0501231	50	50	3000	0,918	30	120	360	1170x1200x3180	PP01	21,19
VS0501237	75	70	500	0,305	12	96	192	1396x800x1200	PP01	7,78
VS0501238	75	70	750	0,415	10	30	180	1090x1260x950	PP01	10,33
VS0501239	75	70	1000	0,525	10	30	180	1090x1260x1210	PP01	11,90
VS0501240	75	70	1500	0,746	10	30	180	1100x1260x1700	PP01	17,06
VS0501241	75	70	2000	0,966	10	30	180	1090x1260x2210	PP01	21,86
VS0501243	75	70	3000	1,407	10	30	180	1090x1260x3210	PP01	31,89
VS0501281	90	90	500	0,414	10	70	140	1436x800x1200	PP01	12,20
VS0501283	90	90	1000	0,714	10	-	120	1130x1200x1200	PP01	20,18
VS0501285	90	90	2000	1,314	10	-	120	1130x1200x2200	PP01	34,30
VS0501287	90	90	3000	1,914	10	-	120	1130x1200x3200	PP01	52,95
VS0501249	110	100	500	0,653	9	54	108	1456x800x1200	PP01	13,76
VS0501250	110	100	750	0,883	10	20	80	1110x1200x980	PP01	20,30
VS0501251	110	100	1000	1,114	10	20	80	1090x1220x1235	PP01	22,63
VS0501252	110	100	1500	1,575	10	20	80	1090x1220x1730	PP01	31,07
VS0501253	110	100	2000	2,036	10	20	80	1090x1220x2210	PP01	38,49
VS0501255	110	100	3000	2,958	10	20	80	1090x1220x3245	PP01	59,52
VS0501261	125	125	500	0,865	6	36	72	1480x800x1200	PP01	24,04
VS0501263	125	125	1000	1,471	8	16	64	1270x1100x1200	PP01	36,65
VS0501264	125	125	1500	2,078	8	16	64	1270x1100x1700	PP01	49,23
VS0501265	125	125	2000	2,684	8	16	64	1270x1100x2200	PP01	70,38
VS0501267	125	125	3000	3,897	8	16	64	1270x1100x3200	PP01	88,48

HTGL Plain end pipe
PP3®

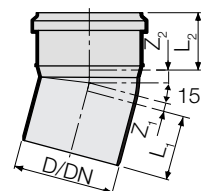
HTGL Abflussrohr PP3®
mit glatten Enden



COD.	D	DN	L	kg		CL	€/pz
VS0501019	32	30	5000	0,915	50	PP01	25,19
VS0501039	40	40	5000	1,107	50	PP01	24,51
VS0501059	50	50	5000	1,443	50	PP01	29,24
VS0501079	75	70	5000	2,218	30	PP01	44,47
VS0501159	90	90	5000	3,006	20	PP01	71,96
VS0501099	110	100	5000	4,619	15	PP01	83,29
VS0501119	125	125	5000	6,077	10	PP01	127,31

HTB 15° bend

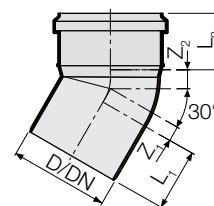
HTB Bogen 15°



COD.	D	DN	Z ₁	L ₁	Z ₂	L ₂	kg				HxLxP	CL	€/pz
VS0504001	32	30	5	48	3	45	0,021	80	640	3840	970x800x1200	PP02	2,35
VS0504013	40	40	6	51	8	53	0,032	50	400	1600	850x800x1200	PP02	1,81
VS0504025	50	50	1	51	9	50	0,040	30	240	960	850x800x1200	PP02	2,13
VS0504037	75	70	10	54	11	54	0,066	20	160	640	1010x800x1200	PP02	4,11
VS0599041	90	90	8	58	12	57	0,090	20	160	480	1015x800x1200	PP02	6,12
VS0504049	110	100	14	63	14	60	0,149	20	80	240	970x800x1200	PP02	6,80
VS0504061	125	125	15	69	15	72	0,226	20	80	160	940x800x1200	PP02	17,30
VS0504073	160	150	35	79	19	73	0,533	10	40	80	940x800x1200	PP02	33,77

HTB 30° bend

HTB Bogen 30°

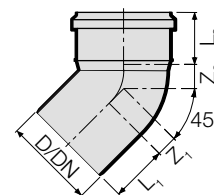


COD.	D	DN	Z ₁	L ₁	Z ₂	L ₂	kg				HxLxP	CL	€/pz
VS0504003	32	30	7	48	5	45	0,021	80	640	3840	970x800x1200	PP02	2,35
VS0504015	40	40	9	51	11	53	0,033	50	400	1600	850x800x1200	PP02	1,81
VS0504027	50	50	10	52	12	51	0,041	30	240	960	850x800x1200	PP02	2,13
VS0504039	75	70	11	55	15	54	0,069	20	160	640	1010x800x1200	PP02	4,11
VS0599043	90	90	14	58	17,5	57	0,098	20	80	320	1100x800x1200	PP02	6,12
VS0504051	110	100	20	63	21	65	0,161	20	80	240	970x800x1200	PP02	6,80
VS0504063	125	125	24	69	23	73	0,242	20	80	160	940x800x1200	PP02	17,30
VS0504075	160	150	25	79	30	82	0,586	10	40	80	940x800x1200	PP02	33,77

PP3 RANGE
SORTIMENT PP3

HTB 45° bend

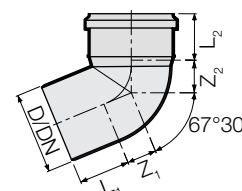
HTB Bogen 45°



COD.	D	DN	Z ₁	L ₁	Z ₂	L ₂	kg				HxLxP	CL	€/pz
VS0504005	32	30	5	53	8	45	0,022	80	640	2560	850x800x1200	PP02	2,34
VS0504017	40	40	9	51	14	53	0,032	50	400	1600	850x800x1200	PP02	1,80
VS0504029	50	50	12	52	16	51	0,040	30	240	960	850x800x1200	PP02	2,12
VS0504041	75	70	20	55	21	54	0,076	20	160	480	1015x800x1200	PP02	4,11
VS0599045	90	90	22	58	25	57	0,113	20	80	240	853x800x1200	PP02	6,10
VS0504053	110	100	30	63	29	61	0,171	20	80	240	1039x800x1200	PP02	6,80
VS0504065	125	125	33	69	33	72	0,260	15	60	120	940x800x1200	PP02	17,30
VS0504077	160	150	42	79	42	85	0,524	10	40	80	940x800x1200	PP02	33,77

HTB 67°30' bend

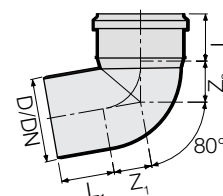
HTB Bogen 67°30'



COD.	D	DN	Z ₁	L ₁	Z ₂	L ₂	kg				HxLxP	CL	€/pz
VS0504007	32	30	9	53	20	45	0,028	60	480	2880	970x800x1200	PP02	2,35
VS0504019	40	40	16	51	20	53	0,037	50	400	1600	1010x800x1200	PP02	1,97
VS0504031	50	50	20	51	23	51	0,046	30	240	960	850x800x1200	PP02	2,31
VS0504043	75	70	30	54	31	54	0,080	20	160	480	1015x800x1200	PP02	4,76
VS0599047	90	90	32	58	36	57	0,119	20	80	240	853x800x1200	PP02	6,18
VS0504055	110	100	44	63	44	65	0,195	20	80	160	940x800x1200	PP02	6,93
VS0504067	125	125	49	69	50	72	0,289	15	60	120	940x800x1200	PP02	17,30

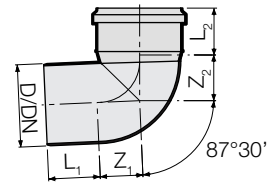
HTB 80° bend

HTB Bogen 80°



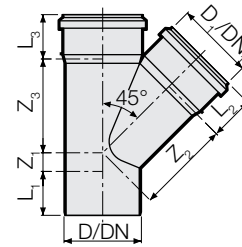
COD.	D	DN	Z ₁	L ₁	Z ₂	L ₂	kg				HxLxP	CL	€/pz
VS0504009	32	30	12	53	24	45	0,024	60	480	2880	970x800x1200	PP02	2,35
VS0504021	40	40	19	51	24	52	0,032	50	400	1600	1010x800x1200	PP02	2,15
VS0504033	50	50	23	52	28	50	0,047	30	240	960	850x800x1200	PP02	2,52
VS0504045	75	70	36	55	38	54	0,082	20	160	480	1015x800x1200	PP02	5,47
VS0504057	110	100	50	63	54	64	0,199	20	80	160	940x800x1200	PP02	8,07
VS0504069	125	125	63	69	62	73	0,304	15	60	120	940x800x1200	PP02	18,33

HTB 87°30' bend
HTB Bogen 87°30'



COD.	D	DN	Z ₁	L ₁	Z ₂	L ₂	kg				HxLxP	CL	€/pz
VS0504011	32	30	12	53	26	45	0,024	60	480	2880	970x800x1200	PP02	2,34
VS0504023	40	40	23	51	26	53	0,036	50	400	1600	1010x800x1200	PP02	1,80
VS0504035	50	50	30	52	31	57	0,051	30	240	960	850x800x1200	PP02	2,12
VS0504047	75	70	40	55	43	55	0,089	20	160	480	1015x800x1200	PP02	4,27
VS0599051	90	90	48	58	51	57	0,136	20	80	240	853x800x1200	PP02	6,10
VS0504059	110	100	57	63	61	66	0,215	20	80	160	940x800x1200	PP02	6,80
VS0504071	125	125	71	69	70	72	0,321	10	40	120	1039x800x1200	PP02	17,30
VS0504083	160	150	87	79	89	85	0,700	10	40	80	1300x800x1200	PP02	46,26

HTEA 45° equal branch
HTEA Einfachabzweig
45°

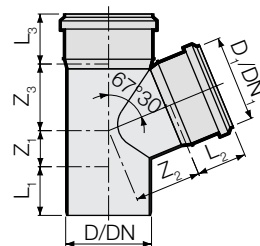


COD.	D/D ₁	DN/DN ₁	Z ₁	Z ₂	Z ₃	L ₁	L ₂	L ₃	kg				HxLxP	CL	€/pz
VS0508001	32/32	30/30	10	49	49	51	60	60	0,042	40	320	1280	850x800x1200	PP02	4,79
VS0508007	40/40	40/40	10	49	49	50	60	60	0,054	20	160	640	850x800x1200	PP02	3,43
VS0508013	50/50	50/50	12	61	61	53	55	54	0,078	20	160	640	1010x800x1200	PP02	4,30
VS0508019	75/75	70/70	18	91	91	57	54	54	0,152	20	80	240	970x800x1200	PP02	7,93
VS0599061	90/90	90/90	22	110	110	58	57	57	0,227	20	80	160	940x800x1200	PP02	11,56
VS0508025	110/110	100/100	25	134	134	64	63	63	0,394	15	60	120	1150x800x1200	PP02	12,86
VS0508031	125/125	125/125	28	152	152	69	68	69	0,537	10	40	80	1300x800x1200	PP02	55,02
VS0508037	160/160	150/150	36	194	194	94	87	86	1,363	1	-	32	930x800x1200	PP02	131,13

PP3 RANGE
SORTIMENT PP3

HTEA 67°30' equal branch

HTEA Einfachabzweig
67°30'

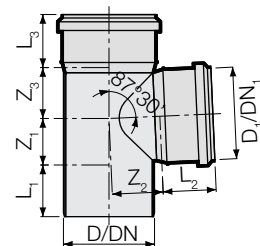


COD.	D/D ₁	DN/DN ₁	Z ₁	Z ₂	Z ₃	L ₁	L ₂	L ₃	kg				HxLxP	CL	€/pz
VS0508003	32/32	30/30	16	25	33	38	50	50	0,039	40	320	1280	850x800x1200	PP02	4,79
VS0508009	40/40	40/40	16	33	33	62	60	60	0,065	20	160	640	850x800x1200	PP02	3,65
VS0508015	50/50	50/50	20	41	41	53	50	50	0,059	20	160	640	1010x800x1200	PP02	4,30
VS0508021	75/75	70/70	28	61	59	57	54	54	0,111	20	80	240	970x800x1200	PP02	7,93
VS0508027	110/110	100/100	40	86	86	68	65	65	0,333	20	80	160	1300x800x1200	PP02	12,86
VS0508033 *	125/125	125/125	46	150	97	123	66	66	0,536	5	20	60	1039x800x1200	PP02	65,22
VS0508039 *	160/160	150/150	58	165	123	155	85	85	1,101	1	-	32	930x800x1200	PP02	170,46

* Welded. - Abzweiger angeschweißt.

HTEA 87°30' equal branch

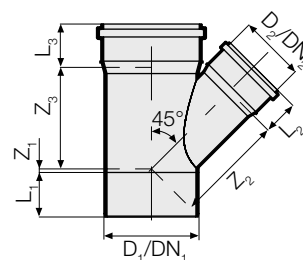
HTEA Einfachabzweig
87°30'



COD.	D/D ₁	DN/DN ₁	Z ₁	Z ₂	Z ₃	L ₁	L ₂	L ₃	kg				HxLxP	CL	€/pz
VS0508005	32/32	30/30	23	18	25	37	50	50	0,037	40	320	1280	850x800x1200	PP02	4,79
VS0508011	40/40	40/40	23	25	25	64	60	59	0,064	20	160	640	850x800x1200	PP02	3,43
VS0508017	50/50	50/50	28	32	30	54	49	49	0,074	20	160	640	1010x800x1200	PP02	4,30
VS0508023	75/75	70/70	40	25	43	59	54	55	0,126	20	80	240	853x800x1200	PP02	7,93
VS0599065	90/90	90/90	48	52	52	58	57	57	0,191	20	80	160	940x800x1200	PP02	11,56
VS0508029	110/110	100/100	57	60	62	62	65	65	0,321	20	80	160	1150x800x1200	PP02	12,86
VS0508035	125/125	125/125	65	69	70	68	68	68	0,435	10	40	80	940x800x1200	PP02	59,24
VS0508041	160/160	150/150	83	150	89	160	87	87	1,089	4	16	32	940x800x1200	PP02	131,13

HTEA 45° reducing branch

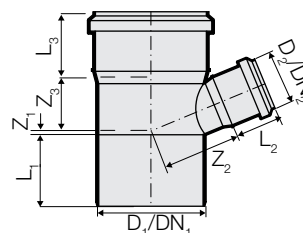
HTEA Abzweig 45°
reduziert



COD.	D ₁ /D ₂	DN ₁ /DN ₂	Z ₁	Z ₂	Z ₃	L ₁	L ₂	L ₃	kg				HxLxP	CL	€/pz
VS0510001	40/32	40/30	10	45	49	41	52	46	0,050	40	320	1280	1010x800x1200	PP02	5,20
VS0510007	50/40	50/40	5	56	54	53	57	54	0,072	20	160	640	1010x800x1200	PP02	3,82
VS0510013	75/40	70/40	-7	73	67	55	51	59	0,105	25	100	300	853x800x1200	PP02	6,72
VS0510019	75/50	70/50	-1	80	74	58	54	54	0,113	25	100	300	970x800x1200	PP02	6,96
VS0599071	90/40	90/40	15	85	60	48	51,5	57	0,136	20	80	240	853x800x1200	PP02	8,07
VS0599073	90/50	90/50	-7	90,5	82	58	49,5	57	0,151	20	80	240	970x800x1200	PP02	8,28
VS0599074	90/75	90/70	10	102	98	56	54	56	0,182	20	80	240	950x800x1200	PP02	11,45
VS0510025	110/40	100/40	-24	101	84	55	51	63	0,215	20	80	160	940x800x1200	PP02	8,31
VS0510031	110/50	100/50	-17	98	91	47	49	63	0,216	20	80	160	940x800x1200	PP02	8,54
VS0510037	110/75	100/70	1	120	109	63	55	65	0,273	15	60	120	940x800x1200	PP02	12,17
VS0599089	110/90	100/90	9,3	124,4	118,5	61,7	57,6	60,5	0,300	10	40	120	970x800x1200	PP02	22,91
VS0510043	125/50	125/50	-24	114	99	80	54	72	0,388	10	40	120	970x800x1200	PP02	37,22
VS0510049	125/110	125/100	18	137	141	89	69	69	0,500	8	32	64	940x800x1200	PP02	43,43
VS0510061	160/110	150/100	1	171	159	99	70	82	0,966	5	20	40	940x800x1200	PP02	85,08
VS0510067	160/125	150/125	12	180	169	105	79	85	1,046	5	20	40	940x800x1200	PP02	103,10

HTEA 67°30' reducing branch

HTEA Abzweig 67°30'
reduziert



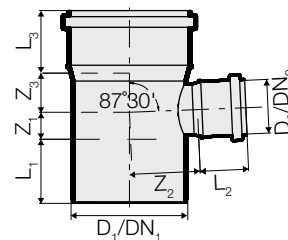
COD.	D ₁ /D ₂	DN ₁ /DN ₂	Z ₁	Z ₂	Z ₃	L ₁	L ₂	L ₃	kg				HxLxP	CL	€/pz
VS0510003	40/32	40/30	16	32	33	40	46	51	0,038	40	320	1280	1010x800x1200	PP02	5,20
VS0510009	50/40	50/40	14	40	35	52	50	50	0,068	25	200	800	1010x800x1200	PP02	3,82
VS0510015	75/40	70/40	9	53	40	52	50	54	0,107	25	100	300	853x800x1200	PP02	8,63
VS0510021	75/50	70/50	14	56	46	58	50	54	0,106	25	100	300	970x800x1200	PP02	7,13
VS0510027	110/40	100/40	3	78	48	79	72	65	0,239	20	80	160	940x800x1200	PP02	10,66
VS0510033	110/50	100/50	8	78	54	67	51	65	0,214	20	80	160	940x800x1200	PP02	9,04
VS0510039	110/75	100/70	22	81	67	68	54	66	0,248	15	60	120	940x800x1200	PP02	12,17
VS0510045 *	125/50	125/50	6	80	57	90	54	72	0,349	10	40	120	1039x800x1200	PP02	37,22
VS0510051 *	125/110	125/100	38	100	89	78	71	75	0,473	8	32	64	940x800x1200	PP02	65,22
VS0510063 *	160/110	150/100	31	112	96	102	74	84	0,746	5	20	40	940x800x1200	PP02	110,61
VS0510069 *	160/125	150/125	39	136	104	141	76	86	0,858	5	20	40	940x800x1200	PP02	165,06

* Welded. - Abzweiger angeschweißt.

PP3 RANGE
SORTIMENT PP3

HTEA 87°30' reducing branch

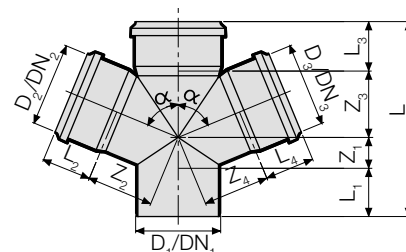
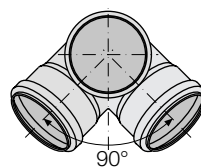
HTEA Abzweig 87°30' reduziert



COD.	D ₁ /D ₂	DN ₁ /DN ₂	Z ₁	Z ₂	Z ₃	L ₁	L ₂	L ₃	kg				HxLxP	CL	€/pz
VS0510005	40/32	40/30	23	23	25	33	51	51	0,048	40	320	1280	1010x800x1200	PP02	5,20
VS0510011	50/40	50/40	23	30	25	54	50	50	0,065	25	200	800	1010x800x1200	PP02	3,82
VS0510017	75/40	70/40	22	45	26	52	50	54	0,105	25	100	300	853x800x1200	PP02	8,63
VS0510023	75/50	70/50	27	25	31	58	50	54	0,104	25	100	300	853x800x1200	PP02	7,13
VS0599075	90/40	90/40	23	50,5	27	58	51	57	0,133	20	80	240	853x800x1200	PP02	8,07
VS0599077	90/50	90/50	28	50	32	58	49,5	57	0,142	20	80	240	853x800x1200	PP02	8,28
VS0599079	90/75	90/70	39	60	44	56	54	56	0,160	20	80	240	950x800x1200	PP02	11,45
VS0510029	110/40	100/40	23	60	27	60	51	65	0,195	20	80	240	1039x800x1200	PP02	8,31
VS0510035	110/50	100/50	28	62	32	60	50	64	0,210	20	80	160	940x800x1200	PP02	8,54
VS0510041	110/75	100/70	40	61	45	61	55	65	0,239	15	60	120	940x800x1200	PP02	12,17
VS0599091	110/90	100/90	40,7	62,4	51,5	62,3	57,5	60,5	0,257	10	40	120	970x800x1200	PP02	22,91
VS0510047	125/50	125/50	28	67	33	90	54	72	0,350	10	40	120	1039x800x1200	PP02	37,22
VS0510053	125/110	125/100	58	70	63	83	63	68	0,402	8	32	96	1039x800x1200	PP02	43,43
VS0510065	160/110	150/100	58	86	64	99	72	84	0,814	5	20	40	940x800x1200	PP02	85,08
VS0510071	160/125	150/125	64	132	71	148	79	86	0,894	5	20	40	940x800x1200	PP02	123,79

HTED Corner branch

HTED Eckdoppelabzweig

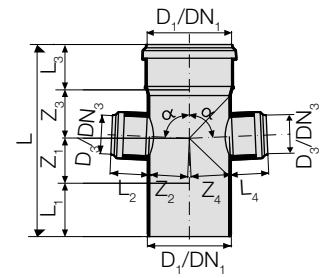
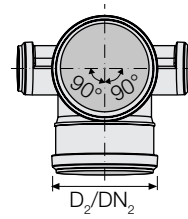


COD.	D _{1/2/3}	DN _{1/2/3}	α	Z ₁	Z ₂	Z ₃	Z ₄	L	L ₁	L ₂	L ₃	L ₄	kg				HxLxP	CL	€/pz
VS0512001 *	110/110/110	100/100/100	67°30'	40	86	86	86	248	62	60	60	60	0,431	5	20	60	1039x800x1200	PP02	70,19
VS0512003 *	110/50/110	100/50/100	67°30'	40	86	86	84	260	68	65	65	51	0,359	5	20	60	970x800x1200	PP02	70,19
VS0512005 *	110/110/50	100/100/50	67°30'	40	84	86	86	260	68	51	65	65	0,360	5	20	60	970x800x1200	PP02	70,19
VS0512007 *	110/50/50	100/50/50	67°30'	8	78	54	78	195	67	51	65	51	0,240	10	40	120	853x800x1200	PP02	70,19
VS0512033	110/50/110	100/50/100	87°30'	59	52,5	63,5	63,5	252	70	49,5	59,5	59,5	0,351	10	40	80	940x800x1200	PP02	70,19
VS0512035	110/110/50	100/100/50	87°30'	59	63,5	63,5	52,5	252	70	59,5	59,5	49,5	0,351	10	40	80	940x800x1200	PP02	70,19

* Welded. - Abzweiger angeschweißt.

HTED 87°30' corner branch

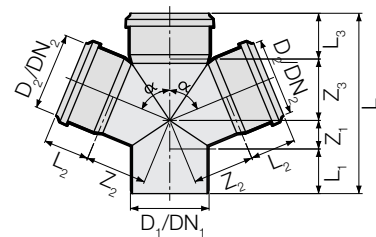
HTED Eckdoppelabzweig 87°30'



COD.	D _{1/2/3}	DN _{1/2/3}	Z ₁	Z ₂	Z ₃	Z ₄	L	L ₁	L ₂	L ₃	L ₄	kg				HxLxP	CL	€/pz
VS0512037	110/110/50	100/100/50	59	52,5	63,5	52,5	252	70	49,5	59,5	49,5	0,378	10	40	80	940x800x1200	PP02	70,19

HTDA Double branch

HTDA Doppelabzweig

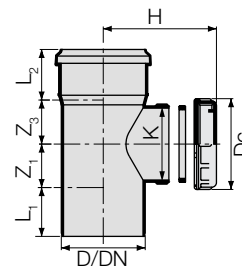


COD.	D _{1/2}	DN _{1/2}	α	Z ₁	Z ₂	Z ₃	L	L ₁	L ₂	L ₃	kg				HxLxP	CL	€/pz
VS0506001	50/50	50/50	67°30'	20	40	41	172	58	53	53	0,111	20	160	480	1015x800x1200	PP02	25,25
VS0506005	75/75	70/70	67°30'	28	59	59	206	64	55	55	0,185	10	40	120	853x800x1200	PP02	30,57
VS0599085	90/40	90/40	45°	15	85	85	215	58	51,5	57	0,159	15	60	180	853x800x1200	PP02	25,25
VS0599087	90/50	90/50	45°	7	90,5	90,5	212,5	58	49,5	57	0,175	15	60	180	970x800x1200	PP02	25,25
VS0506010	110/40	100/40	45°	16	104	90,5	239	72	50	60,5	0,237	10	40	120	853x800x1200	PP02	34,69
VS0506008	110/50	100/50	45°	16	110	91	227	62	50	58	0,245	10	40	120	853x800x1200	PP02	34,69
VS0506009	110/50	100/50	67°30'	8	78	54	192	68	50	62	0,232	10	40	120	853x800x1200	PP02	25,25
VS0506011	110/50	100/50	87°30'	28	60	32	185	60	55	65	0,286	10	40	120	853x800x1200	PP02	25,25
VS0506013	110/110	100/100	67°30'	40	86	86	257	66	63	65	0,369	5	20	60	970x800x1200	PP02	36,03
VS0506015	110/110	100/100	87°30'	57	84	86	278	70	63	65	0,395	5	20	60	970x800x1200	PP02	36,03

PP3 RANGE
SORTIMENT PP3

HTRE Access pipe

HTRE Reinigungsrohr

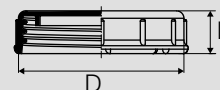
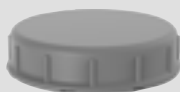


COD.	D	DN	Z ₁	Z ₃	L ₁	L ₂	K	Dc	H	kg				HxLxP	CL	€/pz
VS0516003	50	50	28	30	82	54	75	90	83	0,119	20	160	640	1030x800x1200	PP02	8,70
VS0516005	75	70	40	43	58	54	66	90	77	0,141	20	80	240	853x800x1200	PP02	11,06
VS0599151	90	90	49	52	58	57	100	118	85	0,243	20	80	160	940x800x1200	PP02	13,23
VS0516007	110	100	57	62	61	67	105	118	100	0,343	15	60	120	940x800x1200	PP02	14,68
VS0516009	125	125	58	63	67	69	120	149	126	0,510	10	40	80	940x800x1200	PP02	58,17
VS0516011	160	150	58	64	93	83	120	149	126	1,006	5	20	40	940x800x1200	PP02	86,00

Spare parts - Ersatzteile

**Round threaded cap
for access pipe**

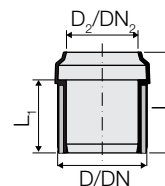
Ersatzschraubdeckel
für Reinigungsrohr



COD.	D	L	kg		CL	€/pz
VS0516075	75	24	0,037	10	PP02	5,13
VS0516110	110	29	0,080	10	PP02	7,74
VS0516125	125	30	0,135	1	PP02	16,31

Reducer sleeve

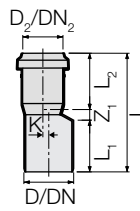
Reduktion konzentrisch



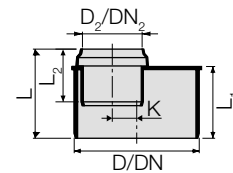
COD.	D/D ₂	DN/DN ₂	L	L ₁	kg				HxLxP	CL	€/pz
VS0513000	40/32	40/30	65	50	0,021	100	800	4800	970x800x1200	PP02	3,72
VS0513001	50/40	50/40	56	38	0,027	80	640	3200	1030x800x1200	PP02	3,72
VS0599135	90/75	90/70	76	61	0,060	20	160	640	850x800x1200	PP02	5,83
VS0599137	110/90	100/90	81,5	65	0,112	20	160	640	1010x800x1200	PP02	6,74
VS0514015	125/110	125/100	86	68	0,131	30	120	360	853x800x1200	PP02	15,49

HTR Eccentric reducer

HTR Reduktion exzentrisch



Mod. A

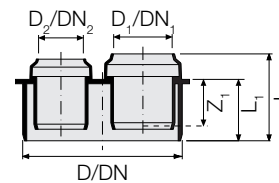


Mod. B

COD.	D/D ₂	DN/DN ₂	Mod.	K	Z ₁	L	L ₁	L ₂	kg				HxLxP	CL	€/pz
VS0514001	40/32	40/30	A	4	12	98	41	44	0,023	50	400	2400	970x800x1200	PP02	2,99
VS0514002	50/32	50/30	A	9	15	98	38	44	0,028	40	320	1920	970x800x1200	PP02	3,45
VS0514003	50/40	50/40	A	5	13	125	51	58	0,036	50	400	1600	1010x800x1200	PP02	2,20
VS0514005	75/40	70/40	B	11	54	75	60	58	0,048	30	240	960	850x800x1200	PP02	3,82
VS0514007	75/50	70/50	B	5	50	75	59	58	0,051	30	240	1440	850x800x1200	PP02	3,82
VS0514031	75/50	70/50	A	12	20	120	52	48	0,053	20	160	960	965x800x1200	PP02	3,98
VS0599131	90/40	90/40	B	7	-	77	61	46,5	0,066	20	160	640	850x800x1200	PP02	5,04
VS0599133	90/50	90/50	B	11	-	76	61	45,5	0,066	20	160	640	850x800x1200	PP02	5,33
VS0514033	90/50	90/50	A	19,5	28	132	55	49	0,071	20	160	640	965x800x1200	PP02	5,38
VS0514035	90/75	90/70	A	7	13	122	55	54	0,076	20	160	640	965x800x1200	PP02	6,19
VS0514008	110/40	100/40	B	21,5	-	83	66	47	0,093	20	160	640	1010x800x1200	PP02	5,54
VS0514009	110/50	100/50	B	9	50	82	66	54	0,096	20	160	640	1010x800x1200	PP02	5,54
VS0514037	110/50	100/50	A	30	36	143	59	48	0,029	20	160	480	965x800x1200	PP02	5,85
VS0514011	110/75	100/70	B	16	55	82	66	56	0,101	20	160	640	1010x800x1200	PP02	6,46
VS0514039	110/75	100/70	A	17	27	139	59	53	0,109	20	160	480	965x800x1200	PP02	6,59
VS0514041	110/90	100/90	A	9,5	23	139	59	57	0,123	20	160	480	965x800x1200	PP02	7,01
VS0514013	125/75	125/70	B	16	55	85	70	55	0,133	20	160	480	1015x800x1200	PP02	13,28
VS0514043	125/110	125/100	A	7	12	138	64	62	0,168	20	80	240	965x800x1200	PP02	15,59
VS0514017	160/110	150/100	B	10	80	173	97	81	0,310	20	80	240	940x800x1200	PP02	26,80
VS0514019	160/125	150/125	B	4	80	160	92	82	0,403	20	80	240	1039x800x1200	PP02	29,01

HTDR Double reducer

HTDR Doppelübergangsrohr



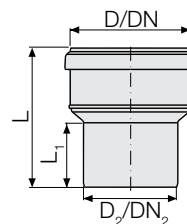
COD.	D/D ₁ /D ₂	DN/DN ₁ /DN ₂	Z ₁	L	L ₁	kg				HxLxP	CL	€/pz
VS0525001 *	110/40/32	100/40/30	30	60	42	0,090	15	120	720	970x800x1200	PP02	49,18
VS0525003	110/40/40	100/40/40	30	60	42	0,092	15	120	720	970x800x1200	PP02	25,86
VS0525005 *	125/40/50	125/40/50	30	67	57	0,128	10	80	480	970x800x1200	PP02	63,72

* Welded. - Abzweiger angeschweißt.

PP3 RANGE
SORTIMENT PP3

Concentric reducer

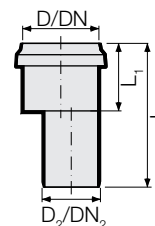
Reduzierstück
konzentrisch



COD.	D/D ₂	DN/DN ₂	L	L ₁	kg				HxLxP	CL	€/pz
VS0599161	110/90	100/90	133	61,5	0,116	20	160	480	1015x800x1200	PP02	13,10

Eccentric reducer

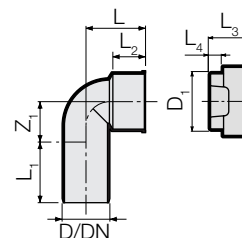
Reduzierstück
exzentrisch



COD.	D/D ₂	DN/DN ₂	L	L ₁	kg				HxLxP	CL	€/pz
VS0700033	50/40	50/40	99	48	0,033	30	240	1680	970x800x1200	PP02	4,09
VS0700034	40/32	40/30	95	50	0,026	30	480	2400	970x800x1200	PP02	4,26
VS0700039	75/50	70/50	101	50	0,051	20	160	1120	970x800x1200	PP02	4,64

HTSW Bend for trap connection with cap, without grommet

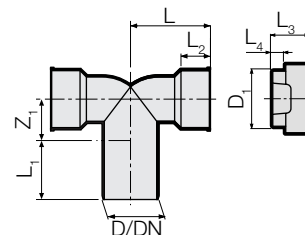
HTSW Siphonbogen mit
Schutzdeckel



COD.	D/D ₁	DN	Z ₁	L	L ₁	L ₂	L ₃	L ₄	kg				HxLxP	CL	€/pz
VS0518103	32/46	30	23	50	51	27	30	10	0,040	40	320	1280	850x800x1200	PP02	4,75
VS0518107	40/46	40	23	50	51	30	30	10	0,040	40	320	1280	850x800x1200	PP02	2,40
VS0518113	40/53,5	40	30	50	55	27	30	10	0,049	20	160	960	970x800x1200	PP02	2,70
VS0518117	50/53,5	50	30	52	55	28	30	10	0,051	20	160	960	970x800x1200	PP02	3,16
VS0518121	50/60	50	33	58	60	28	30	10	0,054	20	160	960	970x800x1200	PP02	3,16

HTSDW Back to back connector for trap with caps, without grommets

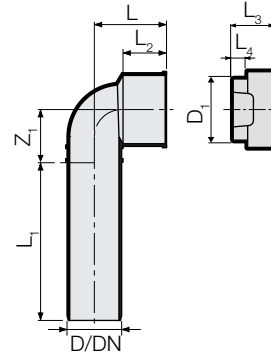
HTSDW Doppelsiphon-
bogen mit Schutzdeckel



COD.	D/D ₁	DN	Z ₁	L	L ₁	L ₂	L ₃	L ₄	kg				HxLxP	CL	€/pz
VS0519101	50/50	50	28	70	60	27	35	12	0,089	20	160	640	1010x800x1200	PP02	9,09

HTSW Extended bend for trap connection with cap, without grommet

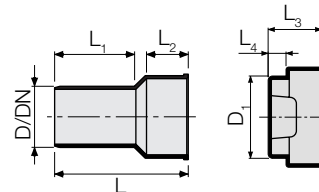
HTSW verlängerter Siphonbogen mit Schutzdeckel



COD.	D/D ₁	DN	Z ₁	L	L ₁	L ₂	L ₃	L ₄	kg				HxLxP	CL	€/pz
VS0520102	32/46	30	36	50	124	28	30	10	0,052	20	160	960	970x800x1200	PP02	5,38
VS0520103	32/50	30	36	50	119	28	35	12	0,055	20	160	960	970x800x1200	PP02	5,38
VS0520104	40/46	40	36	50	124	28	30	10	0,060	20	160	960	970x800x1200	PP02	3,17
VS0520107	40/50	40	36	53	119	32	35	12	0,067	20	160	960	970x800x1200	PP02	3,17

HTS Straight fitting with cap, without grommet

HTS Anschluss an Metallrohre mit Schutzdeckel

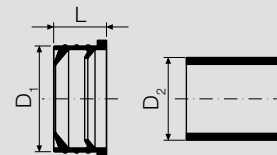


COD.	D/D ₁	DN	L	L ₁	L ₂	L ₃	L ₄	kg				HxLxP	CL	€/pz
VS0522103	32/46	30	88	54	28	30	10	0,034	40	320	1920	970x800x1200	PP02	4,90
VS0522107	40/46	40	88	54	28	30	10	0,036	40	320	1920	970x800x1200	PP02	2,11
VS0522113	40/50	40	88	54	28	35	12	0,039	40	320	1280	850x800x1200	PP02	2,26
VS0522117	40/53,5	40	70	38	28	30	10	0,035	40	320	1280	850x800x1200	PP02	2,35
VS0522121	50/53,5	50	88	54	28	30	10	0,041	20	160	960	980x800x1200	PP02	2,53

Accessories - Ersatzteile

HTGM Rubber grommet

HTGM Gummimanschetten



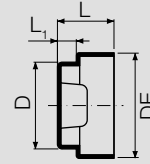
COD.	D ₁	D ₂	L	kg				HxLxP	CL	€/pz
VS0334003	46	24-32	22	0,026	100	800	8000	1130x800x1200	CC01	0,86
VS0334005	46	36-40	22	0,012	150	1200	7200	1060x800x1200	CC01	0,86
VS0523009	50	24-32	22	0,031	30	600	4200	935x800x1200	PP02	2,05
VS0523011	50	36-40	22	0,026	30	600	4200	935x800x1200	PP02	2,05
VS0523015	53,5	24-32	22	0,029	30	600	4200	935x800x1200	PP02	2,13
VS0523017	53,5	36-40	22	0,025	30	600	4200	935x800x1200	PP02	2,13
VS0523019	60	46-55	24	0,020	30	600	4200	935x800x1200	PP02	3,97

PP3 RANGE
SORTIMENT PP3

Accessories - Ersatzteile

Protection cap for trap connection bend

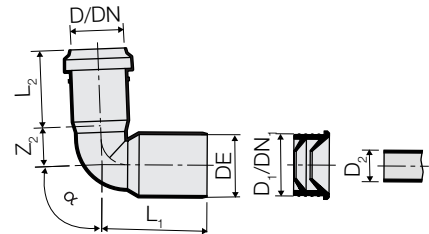
Schutzdeckel für HTSW und HTS



COD.	D	DE	L	L ₁	kg				HxLxP	CL	€/pz
VS0503222	46	55	30	10	0,010	40	800	5600	935x800x1200	CC01	0,61
VS0503224	50	60	35	12	0,016	40	800	5600	935x800x1200	CC01	0,85
VS0503225	53,5	63	30	10	0,013	40	800	5600	935x800x1200	CC01	0,95
VS0503226	60	70	30	10	0,014	40	800	5600	935x800x1200	CC01	0,95

HTRB Reducing bend 40/50 1"1/4 with grommet

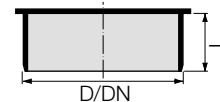
HTRB reduzierter Bogen 40/50 1" 1/4 mit Gummimanschette



COD.	D/D ₁	DN/DN ₁	α	DE	D ₂	Z ₂	L ₁	L ₂	kg				HxLxP	CL	€/pz
VS0532001	40/46	40/40	87°30'	50	24-32	54	77	28	0,070	20	160	960	970x800x1200	PP02	3,64

HTM Cap

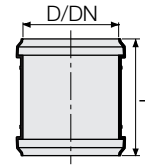
HTM Muffenstopfen



COD.	D	DN	L	kg				HxLxP	CL	€/pz
VS0503035 *	32	30	20	0,005	100	2000	14000	935x800x1200	CC01	0,61
VS0524001	40	40	32	0,011	40	800	5600	935x800x1200	PP02	1,25
VS0524003	50	50	32	0,014	20	400	2800	935x800x1200	PP02	1,63
VS0524005	75	70	32	0,024	15	300	2100	935x800x1200	PP02	2,83
VS0599141	90	90	35	0,033	30	240	1440	970x800x1200	PP02	4,12
VS0524007	110	100	40	0,068	20	160	960	970x800x1200	PP02	4,57
VS0524009	125	125	47	0,100	10	80	480	970x800x1200	PP02	9,47
VS0524011	160	150	48	0,135	10	80	320	1010x800x1200	PP02	21,26

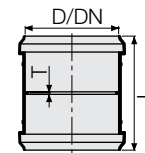
* Blue cap. - *Blauer Stopfen.*

HTU Sliding sleeve
HTU Überschiebmuffe



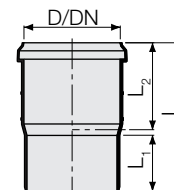
COD.	D	DN	L	kg				HxLxP	CL	€/pz
VS0526000	32	30	85	0,023	60	480	2880	970x800x1200	PP02	3,65
VS0526001	40	40	108	0,037	30	240	1440	970x800x1200	PP02	2,64
VS0526003	50	50	108	0,049	30	240	1440	970x800x1200	PP02	3,45
VS0526005	75	70	120	0,076	20	160	640	1010x800x1200	PP02	4,87
VS0599101	90	90	120	0,101	20	160	480	1015x800x1200	PP02	7,27
VS0526007	110	100	136	0,170	20	80	240	970x800x1200	PP02	8,07
VS0526009	125	125	147	0,232	20	80	160	940x800x1200	PP02	19,32
VS0526011	160	150	204	0,554	10	40	80	940x800x1200	PP02	32,40

HTMM Bi-joint
HTMM Doppelmuffe



COD.	D	DN	L	T	kg				HxLxP	CL	€/pz
VS0528000	32	30	85	2	0,024	60	480	2880	970x800x1200	PP02	3,65
VS0528001	40	40	108	2	0,037	30	240	1440	970x800x1200	PP02	2,64
VS0528003	50	50	108	2	0,050	30	240	1440	970x800x1200	PP02	3,45
VS0528005	75	70	120	2	0,077	20	160	640	1010x800x1200	PP02	4,87
VS0599111	90	90	120	2	0,101	20	160	480	1015x800x1200	PP02	7,27
VS0528007	110	100	136	3	0,172	20	80	240	970x800x1200	PP02	8,07
VS0528009	125	125	147	3	0,235	20	80	160	940x800x1200	PP02	19,32
VS0528011	160	150	210	28	0,561	10	40	80	940x800x1200	PP02	32,54

HTL Double depth socket
HTL Langmuffe, Sonderlänge

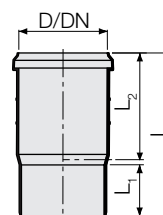


COD.	D	DN	L	L ₁	L ₂	kg				HxLxP	CL	€/pz
VS0530001	40	40	135	48	80	0,036	30	240	1440	970x800x1200	PP02	5,68
VS0530003	50	50	135	50	80	0,044	20	160	960	970x800x1200	PP02	6,09
VS0530005	75	70	150	53	90	0,075	20	160	480	1015x800x1200	PP02	8,32
VS0599121	90	90	160	59	94	0,108	10	80	320	1010x800x1200	PP02	11,85
VS0530007	110	100	170	63	98	0,172	20	80	240	970x800x1200	PP02	12,34
VS0530009	125	125	190	70	108	0,235	10	40	120	853x800x1200	PP02	27,06

PP3 RANGE
SORTIMENT PP3

HTL Triple depth socket

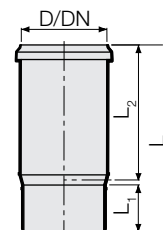
HTL Langmuffe



COD.	D	DN	L	L ₁	L ₂	kg				HxLxP	CL	€/pz
VS0531001	40	40	165	48	110	0,042	30	240	960	850x800x1200	PP02	5,85
VS0531003	50	50	165	50	110	0,052	20	160	960	970x800x1200	PP02	6,37
VS0531005	75	70	169	53	123	0,087	20	160	480	1015x800x1200	PP02	8,60
VS0599123	90	90	196,5	58	123	0,134	10	80	320	1010x800x1200	PP02	12,17
VS0531007	110	100	205	63	135	0,195	20	80	160	940x800x1200	PP02	12,74
VS0531009	125	125	220	70	145	0,276	10	40	120	853x800x1200	PP02	29,81

HTL Quadruple depth socket

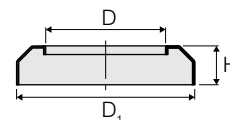
*HTL Langmuffe,
Sonderlänge*



COD.	D	DN	L	L ₁	L ₂	kg				HxLxP	CL	€/pz
VS0531013	40	40	224	48	170	0,056	20	160	960	970x800x1200	PP02	8,56
VS0531015	50	50	225	50	170	0,069	20	160	640	850x800x1200	PP02	9,43
VS0531017	75	70	225	51	165	0,091	20	80	240	1040x800x1200	PP02	16,43
VS0599125	90	90	253	58	150	0,158	20	80	240	970x800x1200	PP02	17,19
VS0531011	110	100	245	63	175	0,249	20	80	160	940x800x1200	PP02	17,94
VS0531019	125	125	260	70	183	0,328	10	40	120	1039x800x1200	PP02	32,43

White flange

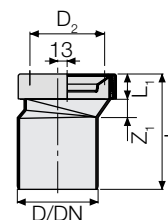
Rosette weiß



COD.	D	D ₁	H	kg				HxLxP	CL	€/pz
VS0588003	90	145	35	0,034	20	160	960	970x800x1200	CC01	4,00
VS0588001	110	165	35	0,040	20	160	640	850x800x1200	CC01	4,43

**HTSK White
eccentric WC
connector with seal**

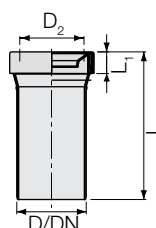
*HTSK WC-Anschluss-
sstutzen exzentrisch mit
Dichtung*



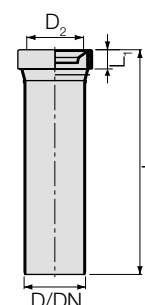
COD.	D	DN	D ₂	Z ₁	L	L ₁	kg				HxLxP	CL	€/pz
VS0536005	110	100	102±5	20	160	46	0,227	20	80	240	970x800x1200	PP02	15,16

**HTSK White WC
connector with seal**

*HTSK WC-Anschluss-
sstutzen mit Dichtung*



Mod. A

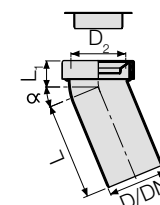
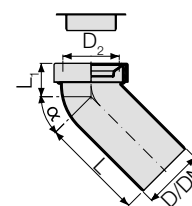
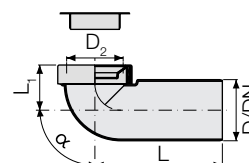


Mod. B

COD.	D	DN	D ₂	L	L ₁	Mod.	kg				HxLxP	CL	€/pz
VS0536001	110	100	102±5	230	34	A	0,296	20	80	160	940x800x1200	PP02	14,92
VS0536003	110	100	102±5	400	34	B	0,464	10	40	120	1039x800x1200	PP02	33,45
VS0536007	90	90	102±5	250	34	A	0,286	20	80	160	940x800x1200	PP02	17,34

**HTSB White WC bend
with seal and cap**

*HTSB WC-Anschluss-
sstutzen mit Dichtung
und Schutzdeckel*

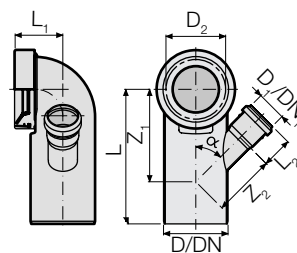


COD.	D	DN	α	D ₂	L	L ₁	kg				HxLxP	CL	€/pz
VS0534001	110	100	90°	102±5	230	82	0,408	15	60	120	940x800x1200	PP02	18,15
VS0534003	110	100	45°	102±5	230	71	0,354	15	60	120	940x800x1200	PP02	16,85
VS0534005	110	100	22°	102±5	230	57	0,350	15	60	180	1039x800x1200	PP02	16,85

PP3 RANGE
SORTIMENT PP3

HTSB White WC bend with left inlet, seal and cap

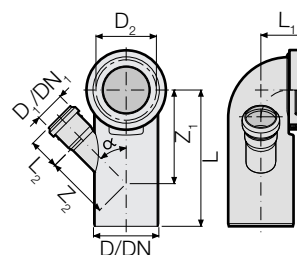
HTSB WC-Anschlussstutzen mit Dichtung und Schutzdeckel Anschluss links



COD.	D/D ₁	DN/DN ₁	α	D ₂	Z ₁	Z ₂	L	L ₁	L ₂	kg				HxLxP	CL	€/pz
VS0538001	110/40	100/40	45°	102±5	171	120	230	82	50	0,418	10	40	80	940x800x1200	PP02	22,87
VS0538003	110/50	100/50	45°	102±5	186	125	235	82	52	0,419	10	40	80	940x800x1200	PP02	24,37

HTSB White WC bend with right inlet, seal and cap

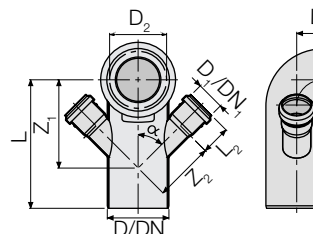
HTSB WC-Anschlussstutzen mit Dichtung und Schutzdeckel Anschluss rechts



COD.	D/D ₁	DN/DN ₁	α	D ₂	Z ₁	Z ₂	L	L ₁	L ₂	kg				HxLxP	CL	€/pz
VS0540001	110/40	100/40	45°	102±5	171	120	230	82	50	0,417	10	40	120	1039x800x1200	PP02	22,87
VS0540003	110/50	100/50	45°	102±5	186	125	235	82	52	0,419	10	40	120	1039x800x1200	PP02	24,37

HTSB White WC bend with 2 inlets, seal and cap

HTSB WC-Anschlussstutzen mit Dichtung und Schutzdeckel Doppelanschluss

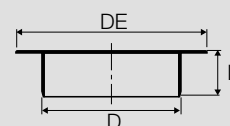


COD.	D/D ₁	DN/DN ₁	α	D ₂	Z ₁	Z ₂	L	L ₁	L ₂	kg				HxLxP	CL	€/pz
VS0542001	110/40	100/40	45°	102±5	171	120	230	82	50	0,439	10	40	80	940x800x1200	PP02	33,04
VS0542003	110/50	100/50	45°	102±5	186	125	235	82	52	0,442	10	40	80	940x800x1200	PP02	34,50

Spare parts - Ersatzteile

Cap for WC bend

Schutzdeckel WC-Anschlussbogen

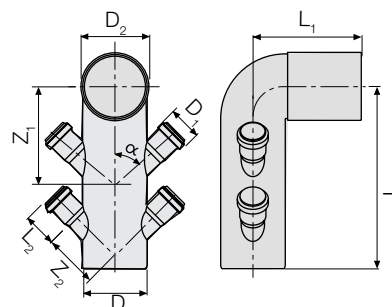


COD.	D	DE	L	kg				HxLxP	CL	€/pz
VS0503115	100	124	30	0,053	20	160	960	970x800x1200	PP02	3,05

For codes - Für ART.-NR. VS0534001-VS0534003-VS0534005-VS0538001-VS0538003-VS0540001-VS0540003-VS0542001-VS0542003.

White WC bend with 4 inlets 110/40

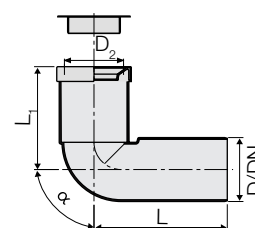
WC-Anschlussstutzen
110/40 mit 4 Anschlüssen weiß



COD.	D/D ₁	DN/DN ₁	α	D ₂	Z ₁	Z ₂	L	L ₁	L ₂	kg				HxLxP	CL	€/pz
VS0541001	110/40	100/40	45°	102±5	180	120	312	185,5	50	0,669	5	20	40	940x800x1200	PP02	63,16

Extended white WC bend with seal and cap

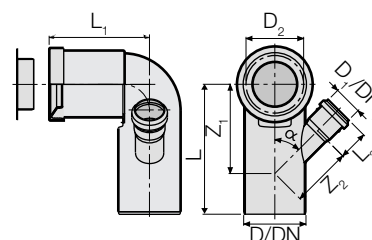
WC-Anschlussstutzen
lang mit Dichtung und
Schutzdeckel weiß



COD.	D/D ₁	DN/DN ₁	α	D ₂	L	L ₁	kg				HxLxP	CL	€/pz
VS0543001	110	100	90°	102±5	230	180	0,439	10	40	80	940x800x1200	PP02	20,30
VS0599241	90	90	90°	102±5	230	176	0,359	15	60	120	940x800x1200	PP02	19,31

Extended white WC bend with left inlet, seal and cap

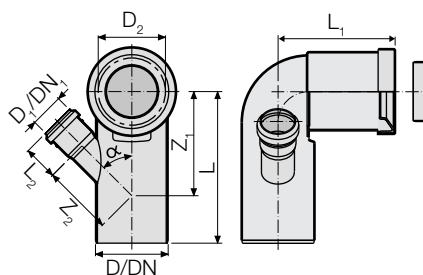
WC-Anschlussstutzen
lang mit Dichtung und
Schutzdeckel Anschluss
links weiß



COD.	D/D ₁	DN/DN ₁	α	D ₂	Z ₁	Z ₂	L	L ₁	L ₂	kg				HxLxP	CL	€/pz
VS0545001	110/40	100/40	45°	102±5	168	120	230	180	50	0,450	15	60	120	1300x800x1200	PP02	29,89
VS0545003	110/50	100/50	45°	102±5	175	119	230	180	52	0,459	15	60	120	1300x800x1200	PP02	30,63

Extended white WC bend with right inlet, seal and cap

WC-Anschlussstutzen
lang mit Dichtung und
Schutzdeckel Anschluss
rechts weiß

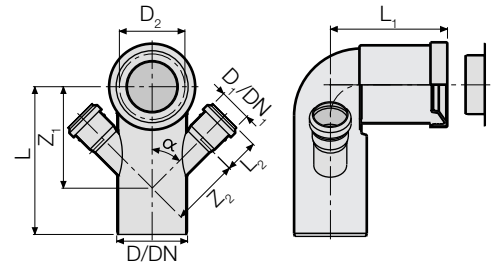


COD.	D/D ₁	DN/DN ₁	α	D ₂	Z ₁	Z ₂	L	L ₁	L ₂	kg				HxLxP	CL	€/pz
VS0547001	110/40	100/40	45°	102±5	168	120	230	180	50	0,453	15	60	120	1300x800x1200	PP02	29,89
VS0547003	110/50	100/50	45°	102±5	175	119	230	180	52	0,463	15	60	120	1300x800x1200	PP02	30,63

PP3 RANGE
SORTIMENT PP3

Extended white WC bend with 2 inlets, seal and cap

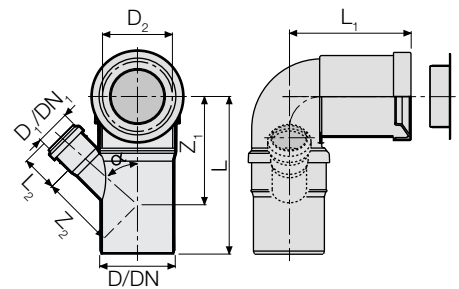
WC-Anschlussstutzen lang mit Dichtung und Schutzdeckel Doppelan-schluss weiß



COD.	D/D ₁	DN/DN ₁	α	D ₂	Z ₁	Z ₂	L	L ₁	L ₂	kg				HxLxP	CL	€/pz
VS0549001	110/40	100/40	45°	102±5	168	120	230	180	50	0,473	10	40	80	1150x800x1200	PP02	40,23
VS0549003	110/50	100/50	45°	102±5	175	119	230	180	52	0,484	10	40	80	1300x800x1200	PP02	40,96

Extended and swiveling white WC bend with seal and cap

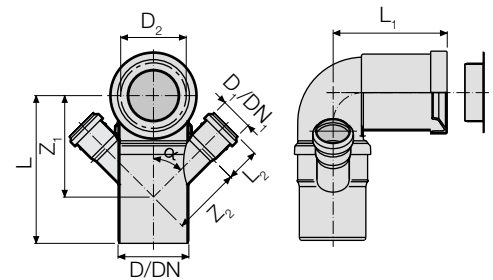
WC-Anschlussstutzen lang mit Dichtung und Schutzdeckel Anschluss links oder rechts einstellbar weiß



COD.	D/D ₁	DN/DN ₁	α	D ₂	Z ₁	Z ₂	L	L ₁	L ₂	kg				HxLxP	CL	€/pz
VS0599243	90/40	90/40	45°	102±5	190	85	230	172	51	0,425	10	40	80	940x800x1200	PP02	28,38
VS0599245	90/50	90/50	45°	102±5	190	90,5	240	172	49,5	0,434	10	40	80	940x800x1200	PP02	29,19

Extended and swiveling white WC bend in 2 parts with 2 inlets, seal and cap

WC-Anschlussstutzen lang mit Dichtung und Schutzdeckel Doppelan-schluss einstellbar weiß



COD.	D/D ₁	DN/DN ₁	α	D ₂	Z ₁	Z ₂	L	L ₁	L ₂	kg				HxLxP	CL	€/pz
VS0599247	90/40	90/40	45°	102±5	190	85	230	172	51,5	0,445	10	40	80	940x800x1200	PP02	38,19
VS0599249	90/50	90/50	45°	102±5	190	90,5	240	172	49,5	0,458	10	40	80	940x800x1200	PP02	38,92

Spare parts - Ersatzteile

Ring for securing joint

Dichtung- Blockierungsring



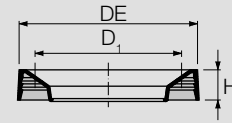
COD.	D	Di	H	kg				HxLxP	CL	€/pz
VS0585001	120	110	25	0,034	20	160	960	970x800x1200	PP02	3,95

For codes - Für ART.-NR. VS0543001-VS0545001-VS0545003-VS0547001-VS0547003-VS0549001-VS0549003-VS0599241-VS0599243-VS0599245-VS0599247-VS0599249.

Spare parts - Ersatzteile

Seal for WC extended bend

Dichtung für WC-Anschlussstutzen

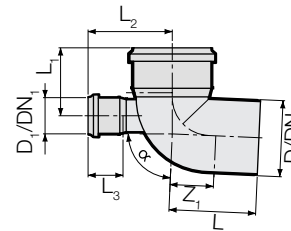


COD.	D	D ₁	H	kg				HxLxP	CL	€/pz
VS0583001	120	102±5	25	0,053	20	320	1600	970x800x1200	PP02	4,30

For codes - Für ART.-NR. VS0534-VS0536-VS0538-VS0540-VS0542-VS0543-VS0545-VS0547-VS0549.

HTB 87°30' bend with front inlet, with seal

HTB Bogen 87°30' mit Dichtung und Frontanschluss

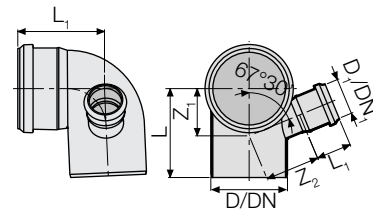


COD.	D/D ₁	DN/DN ₁	α	Z ₁	L	L ₁	L ₂	L ₃	kg				HxLxP	CL	€/pz
VS0551001	110/50	100/50	87°30'	57	63	100	120	54	0,254	15	60	120	940x800x1200	PP02	30,04

Welded. - Abzweiger angeschweißt.

HTB Grey bend with left inlet

HTB Bogen mit Dichtung Anschluss links

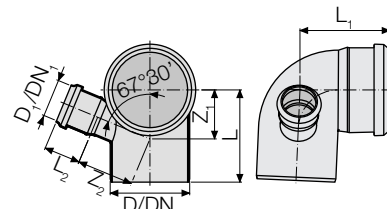


COD.	D/D ₁	DN/DN ₁	α	Z ₁	Z ₂	L	L ₁	L ₂	kg				HxLxP	CL	€/pz
VS0552001	110/40	100/40	22°30'	68	84	130	127	52	0,248	15	60	120	940x800x1200	PP02	29,38
VS0552003	110/50	100/50	22°30'	66	80	130	127	54	0,255	15	60	120	940x800x1200	PP02	29,38

Welded. - Abzweiger angeschweißt.

HTB Grey bend with right inlet

HTB Bogen mit Dichtung Anschluss rechts



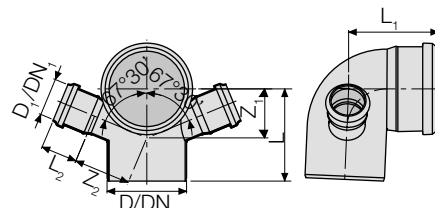
COD.	D/D ₁	DN/DN ₁	α	Z ₁	Z ₂	L	L ₁	L ₂	kg				HxLxP	CL	€/pz
VS0554001	110/40	100/40	22°30'	68	84	130	127	52	0,248	15	60	120	940x800x1200	PP02	29,38
VS0554003	110/50	100/50	22°30'	66	80	130	127	54	0,253	15	60	120	940x800x1200	PP02	29,38

Welded. - Abzweiger angeschweißt.

PP3 RANGE
SORTIMENT PP3

HTB Grey bend with two inlets

HTB Bogen mit Dichtung
Doppelanschluss

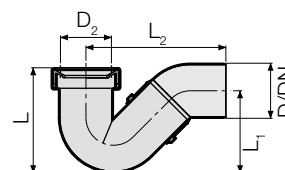


COD.	D/D ₁	DN/DN ₁	α	Z ₁	Z ₂	L	L ₁	L ₂	kg				HxLxP	CL	€/pz
VS0556001	110/40	100/40	22°30'	68	84	130	127	52	0,268	15	60	120	940x800x1200	PP02	42,06
VS0556003	110/50	100/50	22°30'	66	80	130	127	54	0,282	15	60	120	940x800x1200	PP02	42,06

Welded. - Abzweiger angeschweißt.

PP trap for squatting toilet, horizontal outlet

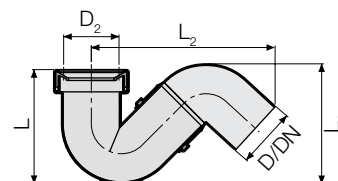
Hocktoilette-Anschluss-
siphon, waagrecht



COD.	D	DN	α	D ₂	L	L ₁	L ₂	kg				HxLxP	CL	€/pz
VS0533001	110	100	90°	102±5	210	170	295	0,842	5	20	60	970x800x1200	PP02	53,19

PP trap for squatting toilet, 45° outlet

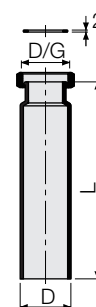
Hocktoilette- Anschluss-
siphon 45°



COD.	D	DN	α	D ₂	L	L ₁	L ₂	kg				HxLxP	CL	€/pz
VS0533011	110	100	45°	102±5	210	230	350	0,987	5	20	60	970x800x1200	PP02	53,19

PP extension coupling with nut

Anschlussstutzen lang
PP Mutter drehbar

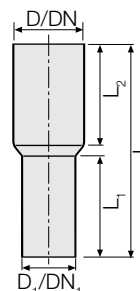


COD.	D	Nut - Mutter	D/G	L	kg				HxLxP	CL	€/pz
VS0700052	40	brass - Messing	1"1/4	195	0,124	20	160	1600	970x800x1200	PP02	22,64
VS0700064	40	brass - Messing	1"1/2	195	0,138	20	160	1280	965x800x1200	PP02	22,64
VS0700252	40	plastic - Kunststoff	1"1/4	195	0,075	20	160	1600	970x800x1200	PP02	23,12
VS0700264	40	plastic - Kunststoff	1"1/2	195	0,078	20	160	1120	970x800x1200	PP02	23,12
VS0700267	50	plastic - Kunststoff	1"1/4	195	0,087	20	160	1120	970x800x1200	PP02	23,12

Welded. - Abzweiger angeschweißt.

PVC reducer

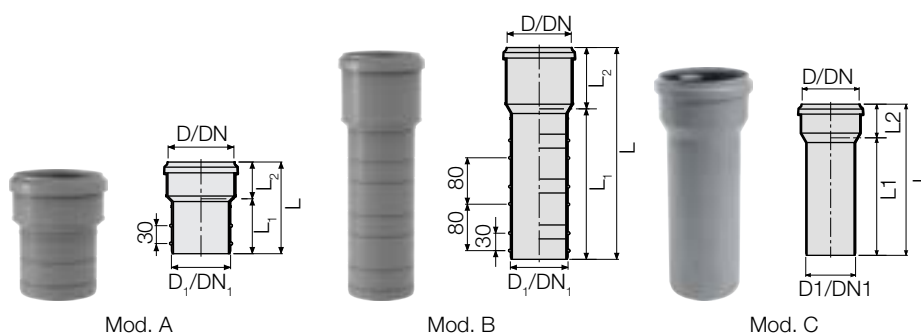
Reduzierter Anschlussstutzen aus PVC



COD.	D/D ₁	DN/DN ₁	Colour - Farbe	L	L ₁	L ₂	kg				HxLxP	CL	€/pz
VS0531333	125/110	125/100	orange	300	85	200	0,465	10	40	120	970x800x1200	PP02	35,55
VS0531335	140/110	125/100	brown - braun	420	210	190	0,708	5	20	60	970x800x1200	PP02	58,86
VS0531337	150/125	150/125	brown - braun	420	210	190	0,859	5	20	60	1039x800x1200	PP02	62,45

PP fitting for connection to PVC

PP Anschlussstutzen an PVC

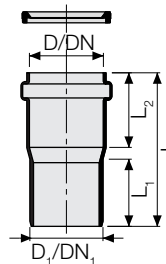


COD.	D/D ₁	DN/DN ₁	L	L ₁	L ₂	Mod.	kg				HxLxP	CL	€/pz
VS0564001	110/100	100/100	156	95	60	A	0,164	20	80	240	853x800x1200	PP02	13,28
VS0564003	110/100	100/100	367	265	100	B	0,377	15	60	120	940x800x1200	PP02	17,13
VS0564005	125/110	125/100	330	260	70	C	0,333	10	40	120	970x800x1200	PP02	24,25
VS0564080	110/110	100/100	156	95	60	A	0,303	20	80	240	853x800x1200	PP02	30,01
VS0564260	110/110	100/100	367	265	102	B	0,498	15	60	120	940x800x1200	PP02	33,99

PP3 RANGE
SORTIMENT PP3

**Solvent weld adaptor
for connection to
PVC**

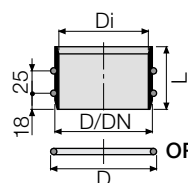
*Anschlussstück an PVC
(zum Kleben)*



COD.	D/D ₁	DN/DN ₁	L	L ₁	L ₂	kg				HxLxP	CL	€/pz
VS0564121	40/40	40/40	105	50	55	0,045	40	320	1920	970x800x1200	SF01	4,66
VS0564122	50/47	50/40	105	44	47	0,051	30	240	1440	970x800x1200	SF01	5,13
VS0564123	50/50	50/50	105	50	55	0,054	30	240	1440	970x800x1200	SF01	4,79
VS0564150	50/100	50/100	130	91	40	0,186	10	80	480	970x800x1200	SF01	16,45
VS0564075	75/75	70/70	144	87	58	0,177	15	120	480	850x800x1200	SF01	10,02
VS0564131	75/80	70/80	154	78	75	0,176	15	120	480	1010x800x1200	SF01	10,02
VS0564182	75/82	70/80	159	78	80	0,197	15	120	480	850x800x1200	SF01	10,03
VS0564175	75/100	70/100	156	77	77	0,143	10	80	480	970x800x1200	SF01	12,01
VS0564190	90/100	90/100	143	76	65	0,216	10	80	320	1010x800x1200	SF01	11,13
VS0564101	110/100	100/100	147	83	57	0,241	10	80	320	1010x800x1200	SF01	15,50
VS0564251	110/125	100/125	145	83	60	0,290	10	80	240	1015x800x1200	SF01	11,69

**Plain-ended adaptor
with o-ring for
connection of PP to
PVC**

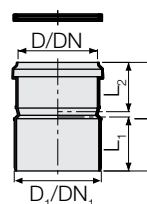
*Anschlussstück von PVC
an PP mit O-Ring*



COD.	Di/D	DN	Mat.	L	kg		HxLxP	CL	€/pz
VS0564110	100/110	100	PVC	70	0,135	1	930x800x1200	PP02	13,37

**Female reducer PVC
to PP, with ring seal**

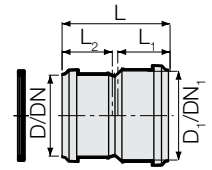
*Anschlussstück von PVC
an PP, reduziert,
mit Dichtung*



COD.	D/D ₁	DN/DN ₁	L	L ₁	L ₂	kg				HxLxP	CL	€/pz
VS0565001	100/110	100/100	138	69	63	0,137	20	80	240	853x800x1200	PP02	15,13

**Double socket,
connection to PVC
and PP pipes**

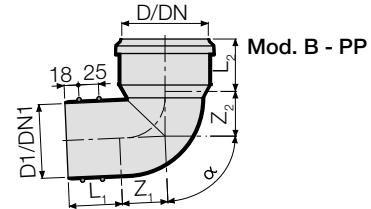
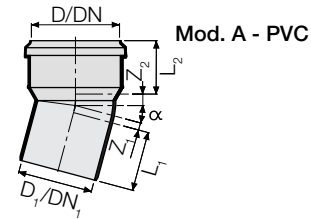
*Anschlussstück an PP
und PVC mit Doppelmuf-
fe*



COD.	D/D ₁	DN/DN ₁	L	L ₁	L ₂	kg				HxLxP	CL	€/pz
VS0565022	100/110	100/100	134	63	63	0,138	20	80	240	853x800x1200	PP02	16,31

**PP bend with o-ring
and solvent weld
PVC for connection
to PVC D 100**

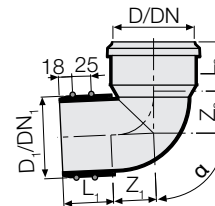
*Bogen aus PP mit
O-Ring und Bogen aus
PVC (zum Kleben) für
Anschluss an PVC D 100*



COD.	D/D ₁	DN/DN ₁	α	Mod.	Z ₁	Z ₂	L ₁	L ₂	kg				HxLxP	CL	€/pz
VS0566001	110/100	100/100	15°	A	9	14	63	63	0,240	20	80	240	970x800x1200	PP02	27,66
VS0566003	110/100	100/100	30°	A	17	21	59	70	0,264	20	80	240	970x800x1200	PP02	29,37
VS0566005	110/100	100/100	45°	B	25	29	71	64	0,197	20	80	240	970x800x1200	PP02	19,75
VS0566007	110/100	100/100	67°30'	A	40	44	62	63	0,359	20	80	160	940x800x1200	PP02	39,89
VS0566009	110/100	100/100	87°30'	B	57	61	63	65	0,226	20	80	160	940x800x1200	PP02	19,75

**PP bend with o-ring
for connection to
PVC D 110**

*Bogen aus PP mit
O-Ring für Anschluss
an PVC D 110*

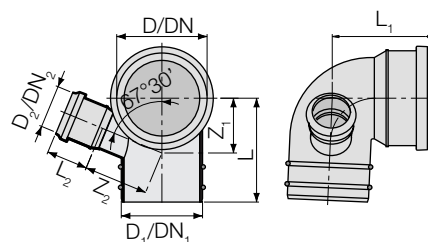


COD.	D/D ₁	DN/DN ₁	α	Z ₁	Z ₂	L ₁	L ₂	kg				HxLxP	CL	€/pz
VS0566015	110/110	100/100	15°	9	14	73	63	0,393	20	80	240	970x800x1200	PP02	37,74
VS0566030	110/110	100/100	30°	17	21	65	59	0,403	20	80	240	970x800x1200	PP02	37,74
VS0566045	110/110	100/100	45°	25	29	71	71	0,332	20	80	240	1039x800x1200	PP02	30,70
VS0566067	110/110	100/100	67°30'	40	44	78	62	0,415	20	80	160	940x800x1200	PP02	45,22
VS0566087	110/110	100/100	87°30'	57	61	63	63	0,362	20	80	160	940x800x1200	PP02	27,65

PP3 RANGE
SORTIMENT PP3

WC bend with o-ring and right inlet

WC-Anschlussbogen mit O-Ring Anschluss rechts



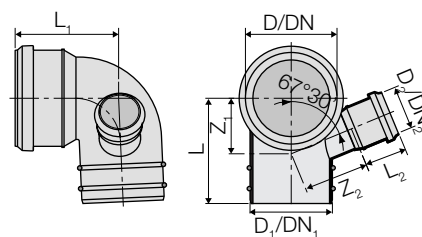
COD.	D/D ₁ /D ₂	DN/DN ₁ /DN ₂	α	Z ₁	Z ₂	L	L ₁	L ₂	kg				HxLxP	CL	€/pz
VS0567001 •	110/100/40	100/100/40	22°30'	57	80	120	120	52	0,245	20	80	160	940x800x1200	PP02	26,85

Welded. - Abzweiger angeschweißt.

- Sell out. - Ausverkauf.

WC bend with o-ring and left inlet

WC-Anschlussbogen mit O-Ring Anschluss links



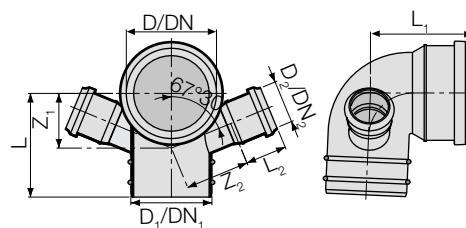
COD.	D/D ₁ /D ₂	DN/DN ₁ /DN ₂	α	Z ₁	Z ₂	L	L ₁	L ₂	kg				HxLxP	CL	€/pz
VS0567005 •	110/100/40	100/100/40	22°30'	57	80	120	120	52	0,247	20	80	160	940x800x1200	PP02	26,85
VS0567007 •	110/100/50	100/100/50	22°30'	57	80	120	120	54	0,262	20	80	160	940x800x1200	PP02	26,85

Welded. - Abzweiger angeschweißt.

- Sell out. - Ausverkauf.

WC bend with o-ring and two inlets

WC-Anschlussbogen Doppelanschluss Bogen aus PP mit Dichtung und Bogen aus PVC (zum Kleben) für Anschluss an PVC



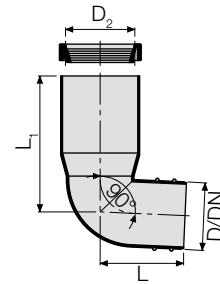
COD.	D/D _{1/2}	DN/DN _{1/2}	α	Z ₁	Z ₂	L	L ₁	L ₂	kg				HxLxP	CL	€/pz
VS0567009 •	110/100/40	100/100/40	22°30'	57	80	120	120	52	0,274	15	60	120	940x800x1200	PP02	40,15
VS0567011 •	110/100/50	100/100/50	22°30'	57	80	120	120	54	0,284	15	60	120	940x800x1200	PP02	40,15

Welded. - Abzweiger angeschweißt.

- Sell out. - Ausverkauf.

Extended WC bend with seal and o-rings

Anschlussbogen lang mit Dichtung und O-Ring

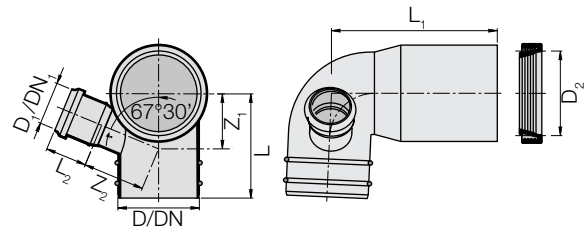


COD.	D	DN	α	D ₂	L	L ₁	kg				HxLxP	CL	€/pz
VS0568001 •	100	100	90°	102±5	120	200	0,349	15	60	120	940x800x1200	PP02	34,20

• Sell out. - Ausverkauf.

Extended reducing WC bend with right inlet

Anschlussbogen lang mit Dichtung und O-Ring Anschluss rechts



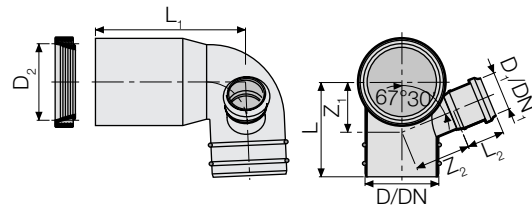
COD.	D/D ₁	DN/DN ₁	α	D ₂	Z ₁	Z ₂	L	L ₁	L ₂	kg				HxLxP	CL	€/pz
VS0568003 •	100/40	100/40	22°30'	102±5	57	62	120	200	52	0,369	10	40	80	940x800x1200	PP02	45,36
VS0568005 •	100/50	100/50	22°30'	102±5	57	65	120	200	54	0,375	10	40	80	940x800x1200	PP02	46,48

Welded. - Abzweiger angeschweißt.

• Sell out. - Ausverkauf.

Extended reducing WC bend with left inlet

Anschlussbogen lang mit Dichtung und O-Ring Anschluss links



COD.	D/D ₁	DN/DN ₁	α	D ₂	Z ₁	Z ₂	L	L ₁	L ₂	kg				HxLxP	CL	€/pz
VS0568007 •	100/40	100/40	22°30'	102±5	57	62	120	200	52	0,370	10	40	80	940x800x1200	PP02	45,36
VS0568009 •	100/50	100/50	22°30'	102±5	57	65	120	200	54	0,377	10	40	80	940x800x1200	PP02	46,48

Welded. - Abzweiger angeschweißt.

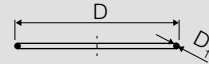
• Sell out. - Ausverkauf.

PP3 RANGE
SORTIMENT PP3

Spare parts - Ersatzteile

O-ring seal for PVC adaptors

O-Ring für Anschlussstücke an PVC



COD.	D	D ₁	kg		CL	€/pz
VS0392222 *	100	2,4	0,002	20	CC01	1,04
VS0564099 **	100	3,53	0,004	20	PP02	3,10

* For codes - Für ART.-NR. VS0564001-VS0564003-VS0566005-VS0566009-VS0567001-VS0567005-VS0567007-VS0567009-VS0567011-VS0568001-VS0568003-VS0568005-VS0568007-VS0568009.

** For codes - Für ART.-NR. VS0564080-VS0564260-VS0564110-VS0566015-VS0566030-VS0566045-VS0566067-VS0566087.

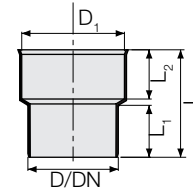
Adaptor for cast iron with o-ring and seal

HTUG Anschluss an Gussrohre



Mod. A

Mod. B

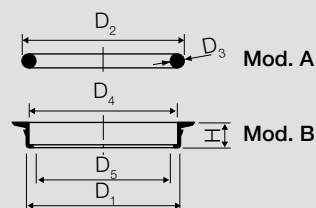


COD.	D/D ₁	DN	L	L ₁	L ₂	kg				HxLxP	CL	€/pz
VS0569001	50/72	50	115	50,9	55	0,073	20	160	960	970x800x1200	PP02	10,10
VS0569003	75/92	70	115	50,5	55,6	0,099	20	160	640	1010x800x1200	PP02	11,00
VS0569005	110/124	100	130	64,6	58,4	0,125	20	80	240	859x800x1200	PP02	15,49
VS0569007	125/151	125	145,5	71,9	65	0,296	10	40	120	853x800x1200	PP02	51,66

Spare parts - Ersatzteile

Seal and o-ring for HTUG

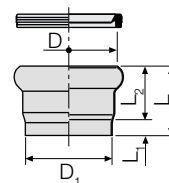
Ersatzdichtung für HTUG



COD.	D ₁	DN	Mod.	D ₂	D ₃	Mod.	D ₄	D ₅	H	kg				HxLxP	CL	€/pz
VS0581005	72	50	A	48	10	B	52	48	18	0,036	20	400	2800	935x800x1200	PP02	5,19
VS0581007	92	70	A	67	10	B	70	67	18	0,027	20	400	2800	935x800x1200	PP02	5,19
VS0581011	124	100	A	116	10	B	106	96	18	0,063	20	320	1600	970x800x1200	PP02	5,28

Brass sleeve with seal for connection to metal pipes

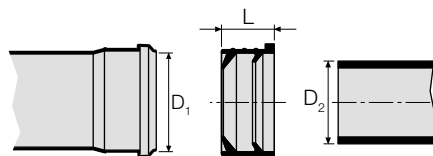
Anschlussstück an Metallrohr, aus Messing, mit Dichtung



COD.	D	D ₁	L	L ₁	L ₂	kg				HxLxP	CL	€/pz
VS0570001	32	32	61	26	33	0,028	40	800	5600	960x800x1200	SF01	6,57
VS0570002	40	32	59	28	25	0,040	40	800	5600	935x800x1200	SF01	6,57
VS0570003	40	40	55	25	25	0,037	40	800	5600	935x800x1200	SF01	6,57

Rubber grommet for connection to metal

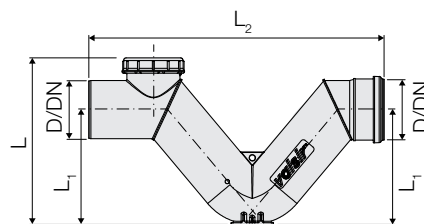
Dichtung für Anschluss an Metallrohr



COD.	D ₁ (PP)	D ₂ (Metal)	L	kg				HxLxP	CL	€/pz
VS0559001	40	26-28	24	0,013	50	1000	7000	960x800x1050	PP02	1,94
VS0559003	40	30-32	25	0,012	50	1000	7000	960x800x1050	PP02	1,94

PP3 RANGE
SORTIMENT PP3

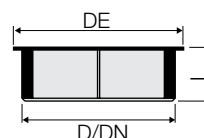
“Firenze” trap
Siphon „Firenze”



COD.	D	DN	L	L ₁	L ₂	kg		HxLxP	CL	€/pz
VS0533050	50	50	197	135	410	0,176	1	930x800x1050	PP02	53,31
VS0533075	75	70	245	173	511	0,281	1	930x800x1050	PP02	73,44
VS0533110	110	100	315	217	558	0,710	1	930x800x1050	PP02	75,64
VS0533125	125	125	346	240	623	1,026	1	930x800x1050	PP02	163,41
VS0533160	160	150	413	287	796	2,037	1	930x800x1200	PP02	359,40

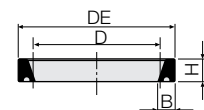
Welded. - Abzweiger angeschweißt.

Protection cap for socket
Schutzdeckel für Muffe



COD.	D	DN	DE	L	kg				HxLxP	CL	€/pz
VS0503035	32	30	37,5	22	0,005	100	2000	14000	935x800x1200	CC01	0,61
VS0503001	40	40	46	38	0,007	40	800	5600	935x800x1200	CC01	0,61
VS0503003	50	50	56	37	0,011	50	800	4000	970x800x1200	CC01	0,61
VS0503005	75	70	85	38	0,020	30	480	2400	970x800x1200	CC01	0,73
VS0503008	90	90	102	37	0,029	30	240	1440	970x800x1200	CC01	0,91
VS0503007	110	100	123	39	0,043	30	240	960	1010x800x1200	CC01	0,91
VS0503009	125	125	135	38	0,047	20	160	640	1010x800x1200	CC01	1,28
VS0503011	160	150	170	51	0,146	10	80	320	970x800x1200	CC01	3,13

1-lip seal for sockets
Ersatzlippendichtring



COD.	D	DN	DE	H	B	kg		CL	€/pz
VS0391001	32	30	40,5	6	4,9	0,003	50	CC01	0,45
VS0391003	40	40	51,4	7,8	6,5	0,005	50	CC01	0,45
VS0391005	50	50	61,4	7,8	6,5	0,007	50	CC01	0,45
VS0391011	75	70	86,6	7,8	6,5	0,010	20	CC01	0,55
VS0391222	100	100	114	9,3	8,2	0,018	20	CC01	0,79
VS0391013	90	80	103	8,9	7,5	0,013	20	CC01	0,68
VS0391015	110	100	123,9	8,9	7,9	0,020	20	CC01	0,70
VS0391017	125	125	142,2	10,2	8,9	0,029	20	CC01	1,10
VS0391019	160	150	179,8	11,5	10,2	0,046	20	CC01	1,45