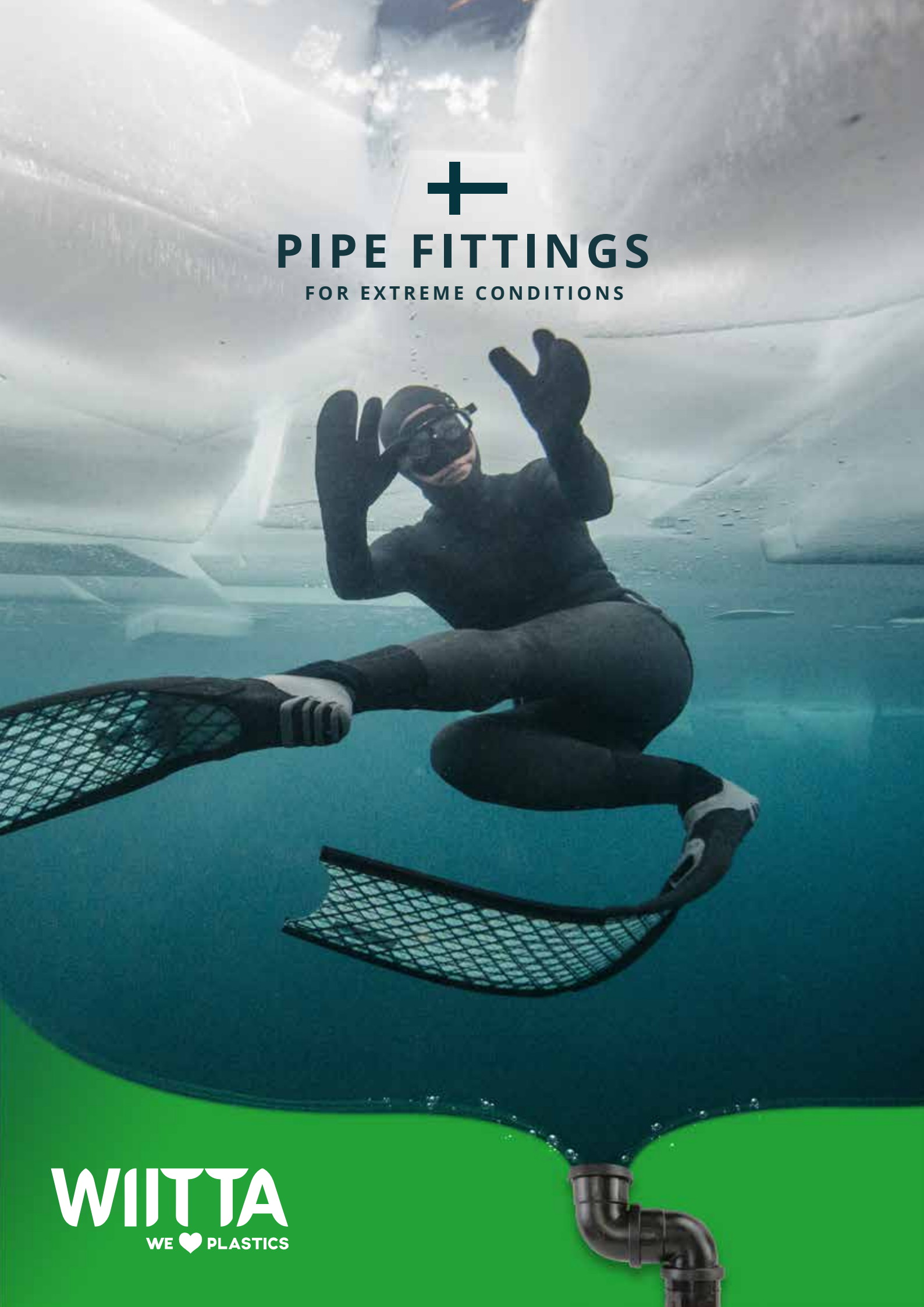

PIPE FITTINGS

FOR EXTREME CONDITIONS

WIITTA

WE ♥ PLASTICS

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The history of Wiitta Oy dates back to 1972, when Matti Viittanen founded T:mi Wiitta-Tuote.

Today, our company employs nearly 30 professionals. Our internal management system serves as the basis of our quality promise, and our success is based on a flexible, customer-oriented operating model that produces deep cooperation and real added value for customers.

We also offer our plastic products manufacturing expertise for the production of customer-specific products. In addition, we offer a comprehensive and flexible set of extra services, which include assembly, packaging and logistics. With our versatile injection molding equipment range, we can produce plastic products up to six kilograms. The special technologies and procedures we use give significant added value to the plastic product.

In addition to pipe fittings, our own product selection includes The Pulkka snow toys and Mehujehu juice box holders.

We have been awarded the Key Flag Symbol, which demonstrates that our products have been manufactured and our services have been produced in Finland, thus creating Finnish jobs.

THE PULKKA BY WIITTA

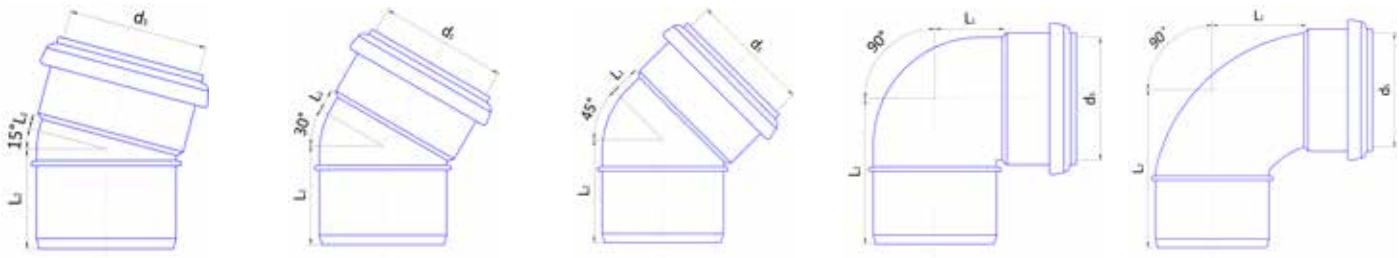
TEHTY SUOMESSA MADE IN FINLAND

mehujehu® BY WIITTA

BENDS

Other colors available upon request.

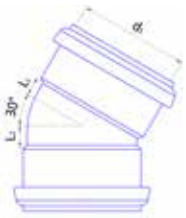
Grey	Red-Brown	Black	White	Size 1 Socket	Package Size Box / Pallet		Weight kg	d_o mm	L1 mm	L2 mm	R mm
198			025	50 x 15°	10	3000	0,050	69	9	55	
200			027	50 x 30°	10	3000	0,045	69	14	55	
210			012	50 x 45°	10	3000	0,050	69	17	57	
204			032	50 x 75°	10	2400	0,050	69	25	55	
211			013	50 x 90°	10	2400	0,060	69	36	36	
206			034	50 x 90° swept	30	1440	0,070	69	80	72	172
212		604		75 x 15°	25	1200	0,095	96	12	59	
213		605		75 x 30°	25	1200	0,100	96	18	62	
214		606		75 x 45°	20	960	0,110	96	23	70	
215		607		75 x 90°	20	960	0,125	96	48	48	
208		600		75 x 90° swept	14	672	0,150	96	76	70	160
216	410	608	015	110 x 15°	36	720	0,230	135	16	70	
217	411	609	016	110 x 30°	33	660	0,245	135	23	78	
218	412	610	017	110 x 45°	27	540	0,275	129	30	85	
219	413	611	018	110 x 90°	20	400	0,350	135	73	126	
220	414	612	019	110 x 90° swept	16	320	0,370	135	95	143	160
424	420			160 x 15°	12	240	0,640	188	20	102	
425	421			160 x 30°	9	180	0,800	188	30	116	
426	422			160 x 45°	8	160	0,740	188	40	122	
427	423			160 x 90°	6	120	0,955	188	93	177	

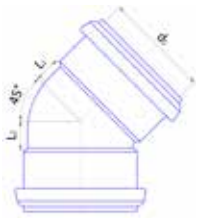


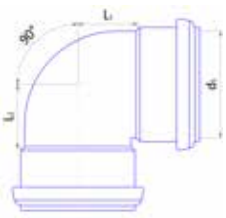
DOUBLE SOCKET BENDS

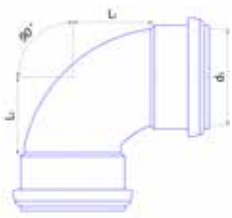
Other colors available upon request.

Grey		Red-Brown		Black	White	Size 2 Sockets	Package Size Box / Pallet		Weight kg	d_o mm	L1 mm	L2 mm	R mm
					003	32 x 22°+	10	5600	0,030	51	6	6	
					010	32 x 45°+	10	5600	0,030	51	11	10	
					011	32 x 90°+	10	4480	0,030	51	23	23	
199					026	50 x 15°+	10	3000	0,065	69	9	9	
201					028	50 x 30°+	10	3000	0,060	69	14	14	
232					029	50 x 45°+	10	3000	0,065	69	17	17	
205					033	50 x 75°+	10	2400	0,065	69	25	25	
221					014	50 x 90°+	10	2400	0,075	69	30	30	
207					035	50 x 90° swept+	30	1440	0,090	69	81	75	172
227			619			75 x 15°+	25	1200	0,125	96	12	8	
228			620			75 x 30°+	25	1200	0,120	96	18	11	
229			621			75 x 45°+	20	960	0,135	96	23	19	
230			622			75 x 90°+	20	1200	0,155	96	44	44	
209			601			75 x 90° swept+	14	672	0,175	96	72	79	160
222	430		614		020	110 x 15°+	33	660	0,260	135	16	19	
223	431		615		021	110 x 30°+	27	540	0,280	135	23	24	
224	432		616		022	110 x 45°+	25	500	0,310	129	30	33	
225	433		617		023	110 x 90°+	20	400	0,385	135	73	75	
226	434		618		024	110 x 90° swept+	16	320	0,415	135	95	95	160
444	440					160 x 15°+	12	240	0,650	188	20	40	
445	441					160 x 30°+	9	180	0,835	188	30	55	
446	442					160 x 45°+	8	160	0,790	188	40	70	
447	443					160 x 90°+	6	120	0,950	188	93	100	





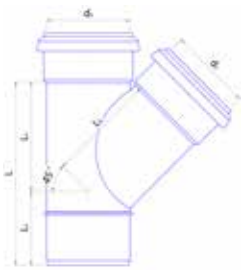


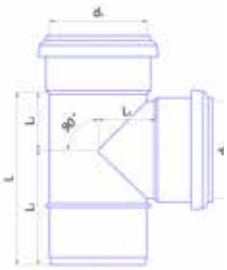


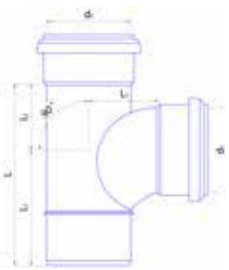
DOUBLE SOCKET BRANCHES

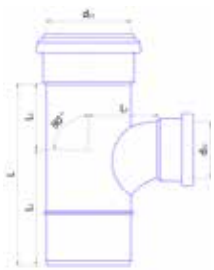
Other colors available upon request.

Grey	Red-Brown	Black	White	Size 2 Sockets	Package Size Box / Pallet		Weight kg	d_o mm	d_o2 mm	L mm	L1 mm	L2 mm	L3 mm	L4 mm	R mm
280			082	50 / 50 x 45°	25	1200	0,095	69	69	74	12	62	62		
281		673		75 / 50 x 45°	35	700	0,180	96	69	109	19	90	95		
292		684		75 / 50 x 90° swept	30	600	0,185	96	69	120	70	50	80		172
282		674		75 / 75 x 45°	30	600	0,220	96	96	109	19	90	90		
283		675		75 / 75 x 90°	25	700	0,190	96	96	90	45	45	45		
293		685		75 / 75 x 90° swept	25	500	0,225	96	96	120	70	50	80		160
284		676		110 / 50 x 45°	15	300	0,360	135	69	112	0	112	130		
285		677		110 / 50 x 90°	18	360	0,375	135	69	130	65	65	60		
286		678		110 / 75 x 45°	15	300	0,400	135	96	112	0	112	130		
287		679		110 / 75 x 90°	15	300	0,400	135	96	130	65	65	62		
288		680		110 / 75 x 90° swept	10	200	0,465	135	96	170	85	85	93		160
289	490	681		110 / 110 x 45°	12	240	0,545	135	135	162	35	127	127		
290	497	682		110 / 110 x 90°	14	280	0,475	135	135	135	68	68	62		
291	495	683	084	110 / 110 x 90° swept	10	200	0,540	135	135	170	85	85	93		160
302				110 / 110 / 110 x 90°	8	160	0,575	135	135	135	68	68	68	62	
303				110 / 110 / 110 x 45/90° sw	8	160	0,680	135	135	170	85	85	93	137	160
502	491			160 / 75 x 45°	5	100	1,015	188	96	155	0	155	167		
503	492			160 / 110 x 45°	5	100	1,145	188	135	135	0	155	167		
504	493			160 / 160 x 45°	4	80	1,645	188	188	235	35	200	197		
509	508			160 / 160 x 90°	4	80	1,420	188	188	235					





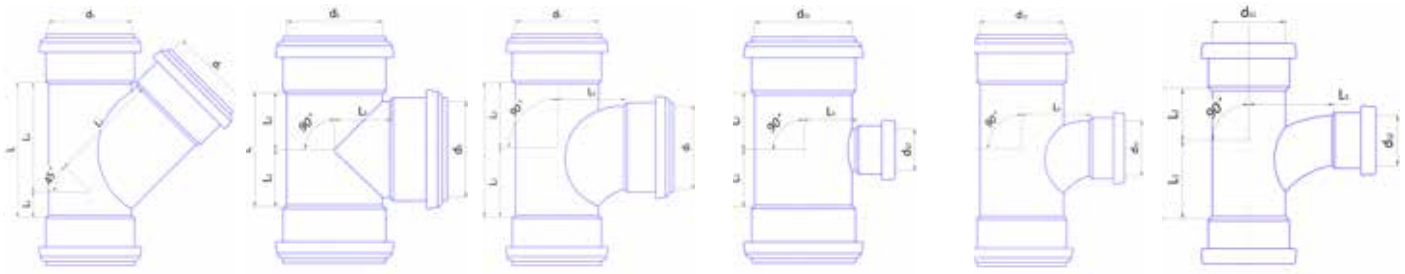




ALL SOCKET BRANCHES

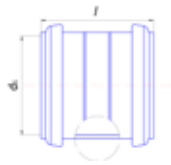
Other colors available upon request.

Grey	Red-Brown	Black	White	Size 3-4 Sockets	Package Size Box / Pallet		Weight kg	d_o mm	d_o2 mm	L mm	L1 mm	L2 mm	L3 mm	L4 mm	R mm
318			090	50 / 50 x 45°+	25	1200	0,110	69	69	72	10	62	62		
308		700		75 / 50 x 45°+	35	700	0,210	96	69	116	26	90	95		
320		712		75 / 50 x 90° swept+	30	600	0,215	96	69	125	75	50	80		172
309		701		75 / 75 x 45°+	30	600	0,250	96	96	116	26	90	90		
319		711		75 / 75 x 90°+	25	700	0,215	96	96	90	45	45	45		
321		713		75 / 75 x 90° swept+	25	500	0,250	96	96	125	75	50	80		160
310		702		110 / 50 x 45°+	15	300	0,410	135	69	115	0	115	130		
311		703		110 / 50 x 90°+	18	360	0,420	135	69	136	71	65	60		
312		704		110 / 75 x 45°+	15	300	0,440	135	96	115	0	115	130		
313		705		110 / 75 x 90°+	15	300	0,435	135	96	136	71	65	62		
314		706		110 / 75 x 90° swept+	10	200	0,525	135	96	177	92	85	93		160
315	494	707		110 / 110 x 45°+	12	240	0,585	135	135	163	36	127	127		
316	498	708		110 / 110 x 90°+	14	280	0,500	135	135	136	68	68	68		
317	496	709		110 / 110 x 90° swept+	10	200	0,585	135	135	177	92	85	93		160
		727		110 / 110 x 90° long+	10	200	0,675	135	135	184	92	92	75		
332				110 / 110 / 110 x 90° +	7	196	0,675	135	135	136	68	68	68	60	
333				110 / 110 / 110 x 45/90° sw+	7	140	0,720	135	135	177	92	85	93	137	160
505	499			160 / 75 x 45°+	5	100	1,070	188	96	155	0	155	167		
506	500			160 / 110 x 45°+	5	100	1,230	188	135	155	0	155	167		
507	501			160 / 160 x 45°+	4	80	1,755	188	188	240	40	200	197		
511	510			160 / 160 x 90°+	4	80	1,505	188	188	235					



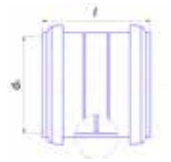
OTHER PRODUCTS

SLIDING COUPLER



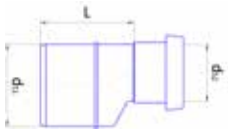
Grey	Red-Brown	Black	White	Size	Package Size Box / Pallet		Weight kg	d_s mm	d_o mm	L1 mm
260			061	50	10	3000	0,055	50	69	88
261		653		75	30	1728	0,110	75	96	110
262	470	654	063	110	36	720	0,225	110	135	125
472	471			160	12	240	0,730	160	188	202

DOUBLE SOCKET



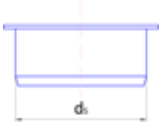
Grey	Red-Brown	Black	White	Size	Package Size Box / Pallet		Weight kg	d_s mm	d_o mm	L1 mm	x mm
			050	32+	20	5600	0,025	32	51	75	2
250		650	051	50+	10	3000	0,055	50	69	88	2
251		643		75+	36	1728	0,110	75	96	94	2
252	460	644	053	110+	36	720	0,225	110	135	125	3
462	461			160+	12	240	0,725	160	188	202	5

REDUCTION



Grey	Red-Brown	Black	White	Size	Package Size Box / Pallet		Weight kg	d_s2-d_s mm	d_o mm	L_{TOT} mm
240			041	75 - 50	25	1200	0,080	75 - 50	69	132
243		635		110 - 50 short	20	960	0,145	110 - 50	69	94
242		634		110 - 75 short	20	960	0,150	110 - 75	96	94
241		633		110 - 75	20	840	0,175	110 - 75	96	147
451	450			160 - 110	25	500	0,450	160 - 110	135	190

END CAP



Grey	Red-Brown	Black	White	Size	Package Size Box / Pallet		Weight kg	d_s mm	d_o mm	L mm
271		663		75	120	5760	0,025	75	88	30
272	480	664		110	42	2016	0,080	110	119	46
	481			160	15	720	0,175	160	174	53
	482			200	30	600	0,255	200		

TECHNICAL DATA

Nominal diameter	Minimum wall thickness, e_{min} [mm]	Pipe series	SDR	Ring stiffness class [kN / m²]	Application area	Sealing material	Standards
32	1,8	S 14	17,8	SN 4	BD	SBR	EN 1451-1
50	1,8	S 14	27,8	SN 4	BD	EPDM	EN 1451-1
75	2,6	S 14	28,8	SN 4	BD	EPDM	EN 1451-1
110	4	S 13,3	27,6	SN 8	BD / UD	EPDM	EN 1451-1, EN 1852-1
160	5,8	S 13,3	27,6	SN 8	BD / UD	EPDM	EN 1451-1, EN 1852-1
200	7,3	S 13,3	27,6	SN 8	BD / UD	EPDM	EN 1451-1, EN 1852-1

Polypropylene, Impact Copolymer

Typical material properties	Value	Units	Test Method
Melt flow rate (230 °C/2.16 kg)	<1,5	g/10 min	ISO 1133-1
Density	0,900	g/cm³	ISO 1183-1
Mechanical			
Tensile Modulus (23 °C)	>1,700	MPa	ISO 527-1, -2
Tensile Stress at Yield	>30	MPa	ISO 527-1, -2
Tensile Strain at Yield	>7	%	ISO 527-1, -2
Impact Charpy Impact Strength - Notched			
(23 °C)	60	kJ/m²	ISO 179
(0 °C)	15	kJ/m²	ISO 179
(-20 °C)	6	kJ/m²	ISO 179
(-30 °C)	4	kJ/m²	ISO 179
Thermal			
Oxidation Induction Time (200 °C)	30	min	ISO 11357-6

CERTIFICATES AND MEMBERSHIPS

Nordic Poly Mark

MUOVITEOLLISUUS RY
Finnish Plastics Industries Federation

TEHTY SUOMESSA
MADE IN FINLAND

RI.SE

Member of CLEANTECH FINLAND

ENVIRONMENT

We are a partner for our customers' green future. This means that we take the environment into consideration in all aspects of operations, from production to delivery. When our customers cooperate with Wiitta, they can rest assured that they made the right choice for sustainable development.

Material selections are made based on durability and usability, which make long-lasting, trouble-free products. We promote a circular economy by using recycled materials in applications wherever possible. We also recycle materials generated from our own production, further making our processes efficient and environmentally friendly.

We are currently investing in new technology at our factory. Our long-term goals are to reduce energy consumption, increase our overall quality and offer even more flexible services to our customers. We have been using heat pump technology for process heat management for decades. We have also acquired fully electric injection molding technology, as well as more energy-efficient auxiliary equipment.
The packaging of our pipe fittings has been optimized to be efficient in logistics. The high filling rate and modular design of the boxes reduce the need for packaging material, which also reduces waste generated on construction sites. Efficiency and, if necessary, customer-specific customization of transport packages reduce transport costs and thus environmental impacts.

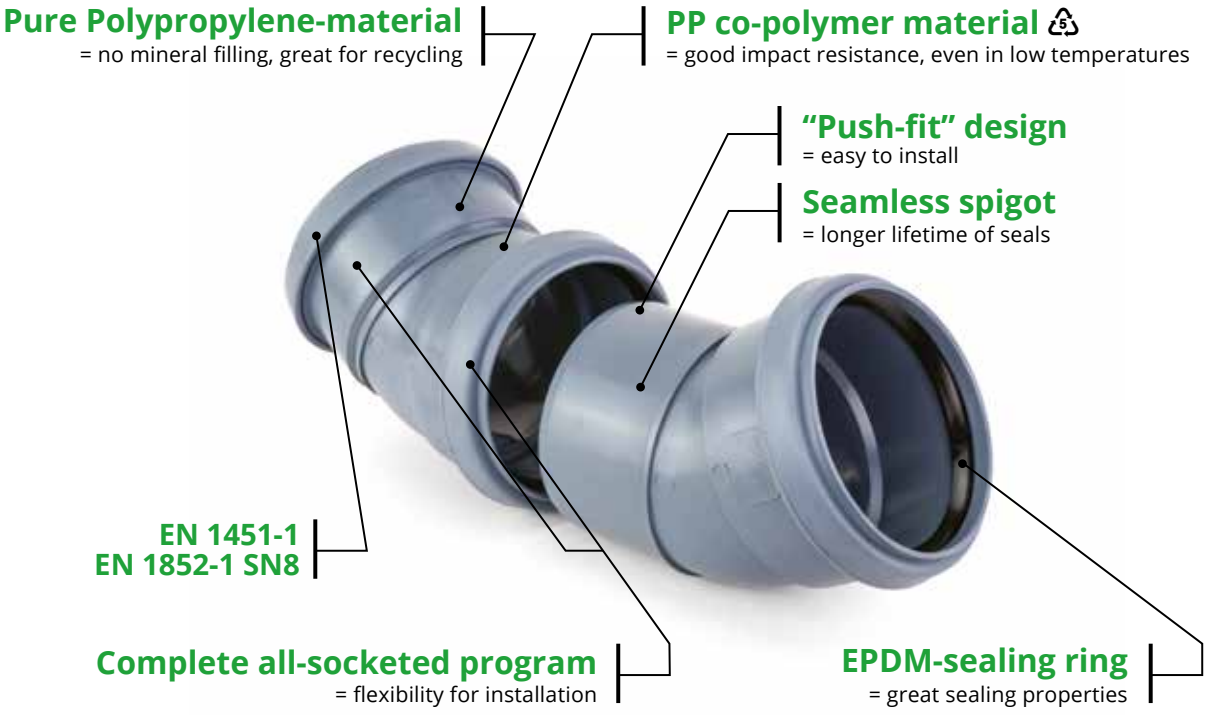
We want to be even better in the future. What could we do together for a greener future? For electricity, we have chosen climate-friendly green electricity.

Reliability and flexibility are our promises to you, the supplier

Wiitta pipe fittings are made of polypropylene copolymer plastic (PP-C ♳) in accordance with European standards EN 1451-1 and EN 1852-1. The products are intended for draining normal waste and rainwater both inside and outside buildings. The connections are reliable, easy to install and quiet in use.

A drainage system is only as strong as its weakest link. Our well-known sturdy products are a safe choice for building a long-lasting system. We have been using environmentally friendly polypropylene as the main raw material for our products since 1988. Only a tiny bit of dye is added to polypropylene plastic. No additives are used in the production that could weaken the products or change the excellent properties of polypropylene.

The development of Wiitta's decibel drain system is based on decades of experience in manufacturing millions of pipe fittings.



Cover photo: Elina Manninen (IG @elinamanninen), in the picture Johanna Nordblad (IG @johannanordblad) Location: Sonnanen, Heinola

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