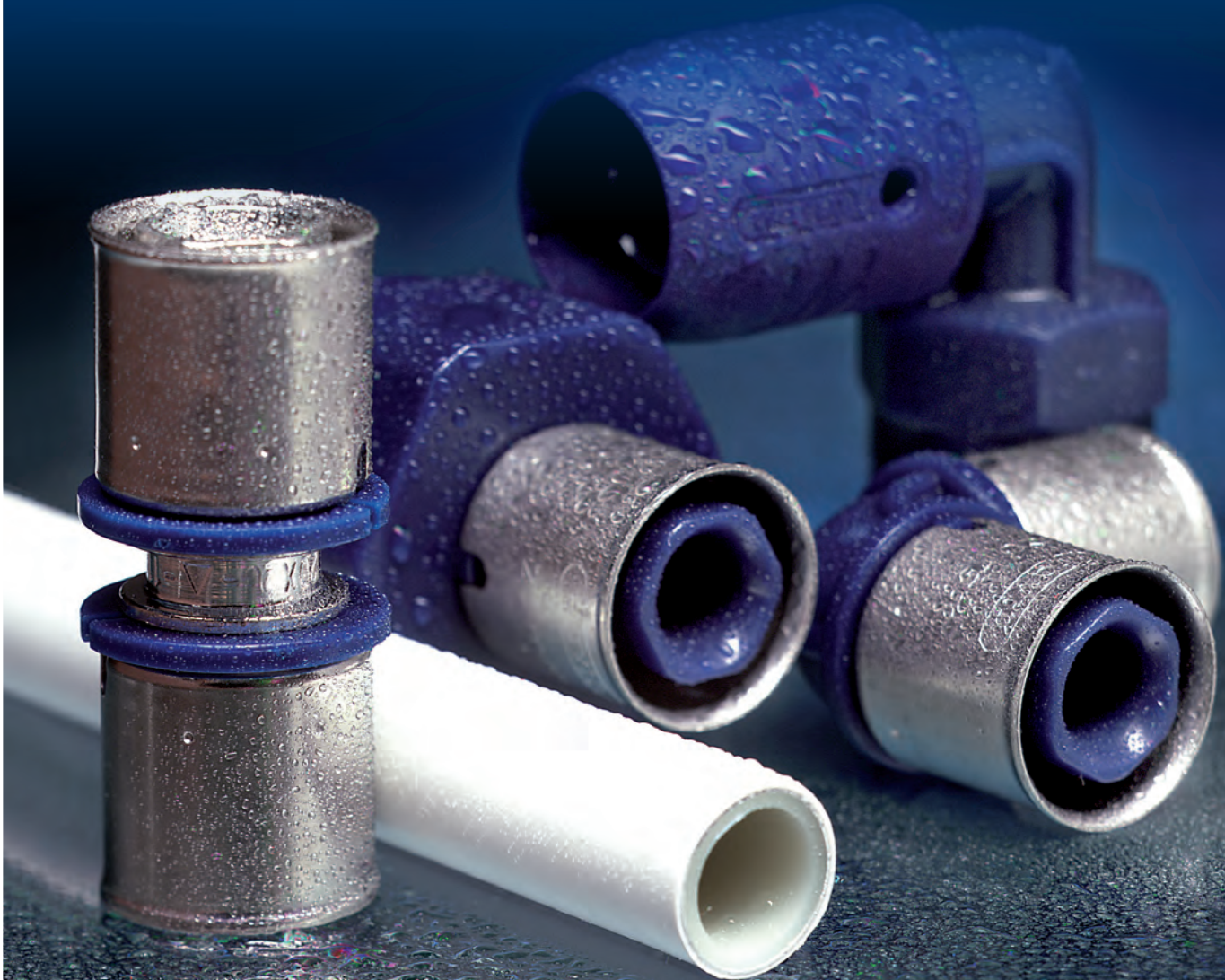


Hot and Cold Water Systems

Tigris K1 = Plastic Press Fitting

Tigris M1 = Metal Press Fitting

smartFIX = Plastic Push-fit Fitting

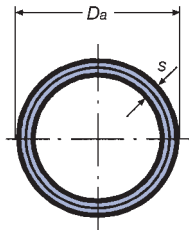


Contents

1. Pipes	Page 3
2. Fittings	Page 6
3. Plastic Manifolds and Accessories	Page 26
4. Tools and Accessories	Page 29

1. Pipes

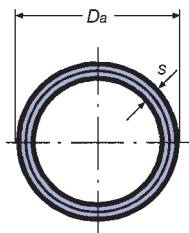
Wavin multi-layer composite pipe* in coils



Size	Product No.	Da mm	s mm	Length m/coil
16 x 2,0	0309.5452	16	2,00	100
16 x 2,0	0303.6758	16	2,00	200
20 x 2,25	0303.6766	20	2,25	100
25 x 2,5	0303.6790	25	2,50	50

*Can be used universally for plumbing and heating.

Wavin multi-layer composite pipe* in straight lengths



Size	Product No.	Da mm	s mm	Length m
16 x 2,0	0303.6804	16	2,00	5
20 x 2,25	0303.6782	20	2,25	5
25 x 2,5	0303.6812	25	2,50	5
32 x 3,0	0303.7045	32	3,00	5
40 x 4,0	0303.7053	40	4,00	5
50 x 4,5	0306.3593	50	4,50	5
63 x 6,0	0317.0334	63	6,00	5

*Can be used universally for plumbing and heating.

Wavin multi-layer composite pipe

In coils • For radiator connection and underfloor heating only (not for potable water)



Size	Product No.	Length m/coil
16 x 2,00	4429.6000	200
16 x 2,00	4469.5000	500

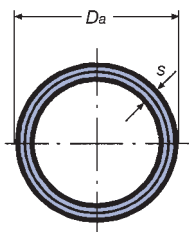
1. Pipes



Protective conduit* • in coils

Size	Product No.	Colour	Di mm	Length m/coil
20 (16 x 2,0)	4502.0000	black	20	50
23 (20 x 2,25)	4503.9000	black	23	50
29 (25 x 2,5)	2543.7000	black	29	50
36 (32 x 3,0)	4505.5000	black	36	25

* Corrugated protective conduit in PE-HD.



Wavin multi-layer composite pipe in coils • in black conduit

Size	Product No.	Protective Tube	Da mm	Length m
16 x 2,00	0309.6904	20	24	75
20 x 2,25	0309.6912	23	28	75

For many applications it is advised to fit the pipe with a protective conduit to reduce the possibility of mechanical damage to the pipe. The layer of air between the pipe and the conduit provides additional heat insulation and protection from condensation in accordance with DIN 1988. The corrugated conduit can also be supplied separately.



Wavin multi-layer composite pipe in coils • Pre-insulated – 9 mm

Size	Product No.	Length m/coil
16 x 2,00	0309.6920	50
20 x 2,25	0309.6939	50

For tap water and heating installations.
 Pipe insulation: round extruded insulation in foamed PE with co-extruded, damp-proof PE film (colour red).
 9-mm insulation for cold water pipes in accordance with DIN 1988 part 2 and heating pipes in accordance with energy saving regulations.
 Resistant to ageing and allows pipe to be formed into bends.
 Material class: B2, in accordance with DIN 4102.
 Thermal conductivity: 0.040 W/m · K.
 Provides continuous sound insulation.



**Wavin multi-layer composite pipe
In coils • Pre-insulated – 13 mm**

Size	Product No.	Length m/coil
16 x 2,00	0309.6947	50
20 x 2,25	0309.6955	50

For tap water and heating installations.

Pipe insulation: round extruded insulation in foamed PE with co-extruded, damp-proof PE film (colour red).

13-mm insulation for cold water pipes in accordance with DIN 1988 part 2 and heating pipes in accordance with energy saving regulations.

Resistant to ageing and allows pipe to be formed into bends.

Material class: B2, in accordance with DIN 4102.

Thermal conductivity: 0.040 W/m · K.

Provides continuous sound insulation.



**Wavin multi-layer composite pipe
In coils • Pre-insulated – 20 mm**

Size	Product No.	Length m/coil
NEW 16 x 2,00	3039730	100
NEW 20 x 2,25	3039729	50



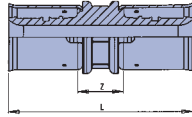
Fire protection tape BB-R90

Description	Product No.
Fire protection tape BB-R90	9050.1254

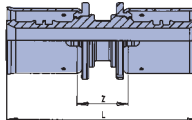
* Can also be used with other Wavin products such as Wavin AS (low noise) and Wavin PE Soil and Waste systems.

2. Fittings

Tigris K1 • Couplings

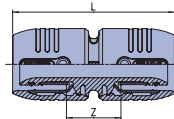


Size	Product No.	L mm	Z mm
16	0303.6405	53	13
20	0303.6413	62	16
25	0303.6421	74	18
32	0303.6430	83	23
40	0303.6448	103	26
50	0306.2368	108	32
63	0317.0303	155	35



Tigris M1 • Couplings

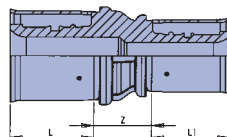
Size	Product No.	L mm	Z mm
16	0317.0225	53	17
20	0317.0226	55	18
25	0317.0227	68	19
32	0317.0228	69	21
40	0317.0229	99	22
50	0317.0230	99	23
63	0317.0231	151	30



smartFIX • Couplings

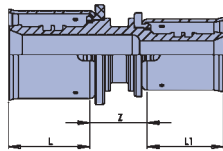
Size	Product No.	L mm	Z mm
16	0313.3303	63	21
20	0313.3311	74	23
25	0313.3320	88	26

Tigris K1 • Reducers

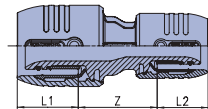


Size	Product No.	L mm	L1 mm	Z mm
20 x 16	0303.6456	20	19	15
25 x 16	0303.6464	26	19	17
25 x 20	0303.6472	26	20	18
32 x 20	0303.6480	26	20	20
32 x 25	0303.6499	26	21	20
40 x 32	0303.6502	26	26	24
50 x 32	0306.2414	26	26	28
50 x 40	0306.2430	38	38	35
63 x 40	0317.0307	60	38	42
63 x 50	0317.0306	60	38	36

Tigris M1 • Reducers

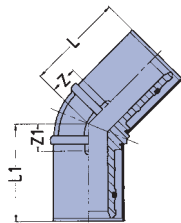


Size	Product No.	L mm	L1 mm	Z mm
20 x 16	0317.0233	19	18	18
25 x 20	0317.0235	25	19	19
32 x 25	0317.0237	24	25	20
40 x 25	0317.0238	38	25	19
40 x 32	0317.0239	39	24	20
50 x 32	0317.0241	38	24	20
50 x 40	0317.0242	38	38	21
63 x 40	0317.0243	59	39	25
63 x 50	0317.0244	59	38	25



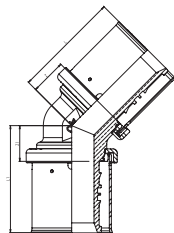
smartFIX • Reducers

Size	Product No.	L1 mm	L2 mm	Z mm
20 x 16	0313.3362	26	21	29
25 x 16	0313.3370	31	21	35
25 x 20	0313.3389	31	26	34



Tigris K1 • 45° elbow

Size	Product No.	L mm	Z mm
25	0307.5281	36	7
32	0307.5290	38	13
40	0307.5303	60	22
50	0306.2325	62	25
63	0317.0305	87	28

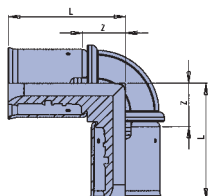


Tigris M1 • 45° elbow

NEW
NEW
NEW

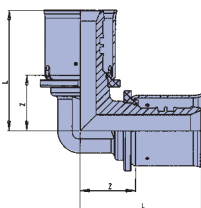
Size	Product No.	L mm	Z mm
40	4032558	60	22
50	4032559	62	25
63	4032560	87	28

2. Fittings



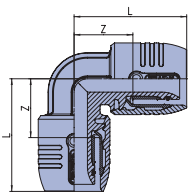
Tigris K1 • 90° elbow

Size	Product No.	L mm	Z mm
16	0303.6022	31	12
20	0303.6030	33	14
25	0303.6049	43	17
32	0303.6057	47	21
40	0303.6065	71	34
50	0306.2244	77	40
63	0317.0304	106	46



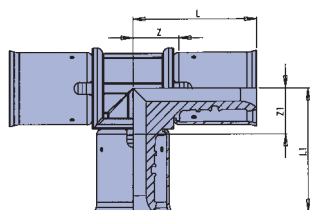
Tigris M1 • 90° elbow

Size	Product No.	L mm	Z mm
16	0317.0134	35	13
20	0317.0135	38	19
25	0317.0136	47	22
32	0317.0137	50	26
40	0317.0138	71	33
50	0317.0139	76	38
63	0317.0140	107	49



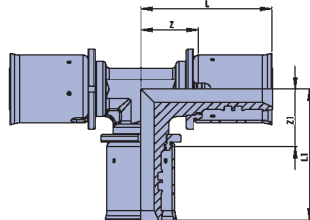
smartFIX • 90° elbow

Size	Product No.	L mm	Z mm
16	0313.3397	42	21
20	0313.3400	50	24
25	0313.3419	59	28



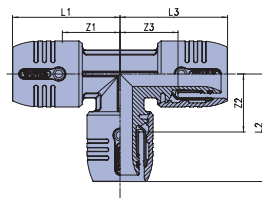
Tigris K1 • Equal Tee

Size	Product No.	L mm	L1 mm	Z mm	Z1 mm
16	0303.6200	31	31	12	12
20	0303.6219	34	34	14	14
25	0303.6227	43	43	17	17
32	0303.6235	47	47	21	21
40	0303.6243	71	71	26	26
50	0306.2341	77	77	32	32
63	0317.0308	106	106	46	46



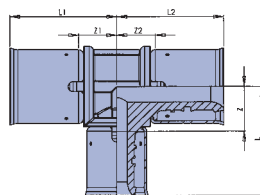
Tigris M1 • Equal Tee

Size	Product No.	L mm	L1 mm	Z mm	Z1 mm
16	0317.0168	35	35	17	17
20	0317.0169	38	38	19	19
25	0317.0170	47	47	22	22
32	0317.0171	50	50	26	26
40	0317.0172	71	71	33	33
50	0317.0173	76	76	39	39
63	0317.0174	107	107	49	49



smartFIX • Equal Tee

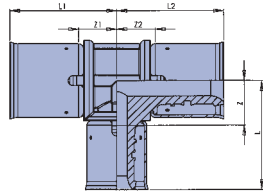
Size	Product No.	L1-3 mm	Z1-3 mm
16	0313.3338	42	21
20	0313.3346	50	24
25	0313.3354	59	30



Tigris K1 • Reducing Tee

Size	Product No.	L mm	L1 mm	L2 mm	Z mm	Z1 mm	Z2 mm
16 x 20 x 16	0307.5206	34	32	32	14	14	14
20 x 16 x 16	0303.6251	33	33	30	14	12	11
20 x 16 x 20	0303.6260	33	33	33	14	12	12
20 x 20 x 16	0303.6278	35	35	32	14	14	13
20 x 25 x 20	0307.5214	40	36	36	15	16	16
25 x 16 x 16	0307.5222	34	38	30	16	13	12
NEW 25 x 16 x 20	3031027	35	38	32	15	10	10
25 x 16 x 25	0303.6286	35	39	39	16	13	13
NEW 25 x 20 x 16	3031028	37	40	33	15	12	12
25 x 20 x 20	0303.6294	37	41	35	17	15	14
25 x 20 x 25	0303.6308	37	41	41	16	15	15
NEW 25 x 25 x 20	3031029	43	43	37	15	15	15
25 x 32 x 25	0307.5230	42	46	46	17	21	21
32 x 16 x 32	0303.6316	39	39	39	20	32	32
NEW 32 x 20 x 25	3031030	40	40	40	19	12	12
32 x 20 x 32	0303.6324	41	41	41	20	15	15
32 x 25 x 25	0303.6332	47	43	42	21	17	16
32 x 25 x 32	0303.6340	47	43	43	21	17	17

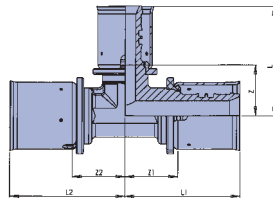
2. Fittings



Tigris K1 • Reducing Tee (continue)

NEW

Size	Product No.	L	L1	L2	Z	Z1	Z2
		mm	mm	mm	mm	mm	mm
40 x 25 x 32	0317.0297	59	68	49	33	21	24
40 x 25 x 40	0303.6359	59	67	67	33	30	30
40 x 32 x 32	0303.6367	59	71	53	34	34	28
40 x 32 x 40	0303.6375	59	71	71	34	34	33
50 x 25 x 40	3031216	63,5	67	67	38,5	29	29
50 x 25 x 50	0306.2333	64	68	68	39	31	31
50 x 32 x 32	0317.0302	64	72	53	39	35	28
50 x 32 x 40	0317.0300	65	71	71	40	33	33
50 x 32 x 50	0317.0298	65	71	71	40	34	34
50 x 40 x 40	0317.0301	79	73	73	42	36	36
50 x 40 x 50	0306.2350	79	73	73	41	35	35
63 x 25 x 50	0317.0311	70	91	67	45	31	30
63 x 32 x 63	0317.0310	71	95	95	46	35	35
63 x 40 x 63	0317.0309	84	95	95	46	35	35

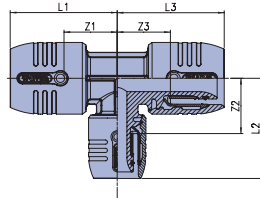


Tigris M1 • Reducing Tee

NEW

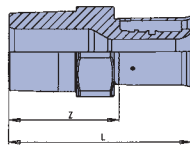
NEW

Size	Product No.	L	L1	L2	Z	Z1	Z2
		mm	mm	mm	mm	mm	mm
16 x 20 x 16	0317.0177	38	36	36	19	19	19
20 x 16 x 16	0317.0178	36	36	38	19	19	19
20 x 16 x 20	0317.0179	36	38	38	19	19	19
20 x 20 x 16	0317.0180	38	36	38	19	19	19
20 x 25 x 20	0317.0181	45	40	40	20	22	22
25 x 16 x 25	0317.0184	39	45	45	21	20	20
25 x 20 x 20	0317.0186	40	45	38	22	19	20
25 x 20 x 25	0317.0187	40	45	45	22	20	20
32 x 20 x 32	0317.0192	43	48	48	25	24	24
32 x 25 x 25	0317.0194	50	47	48	20	16	17
32 x 25 x 32	0317.0195	50	48	48	20	18	28
40 x 20 x 40	4041168	50	65	65	31	26	26
40 x 25 x 40	0317.0198	56	65	65	26	26	26
40 x 32 x 40	0317.0200	56	65	65	26	26	26
50 x 40 x 50	0317.0210	76	71	71	37	33	33
63 x 40 x 63	0317.0211	85	93	93	47	35	35
63 x 50 x 63	4034542	83	98	98	44	38	38



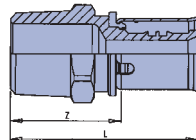
smartFIX • Reducing Tee

Size	Product No.	L	L1	L2	Z	Z1	Z2
		mm	mm	mm	mm	mm	mm
16 x 20 x 16	0316.4918	44	50	44	20	24	20
20 x 16 x 16	0313.3427	48	44	42	22	20	21
20 x 16 x 20	0313.3435	48	47	48	22	20	22
20 x 20 x 16	0313.3443	50	50	44	24	24	20
20 x 25 x 20	0316.4934	52	57	52	24	26	24
25 x 16 x 16	0316.4926	58	47	39	26	20	21
25 x 16 x 25	0313.3451	55	47	55	24	26	24
25 x 20 x 20	0313.3460	57	50	52	26	27	24
25 x 20 x 25	0313.3478	57	52	57	26	27	26



Tigris K1 • Male Transition Couplers

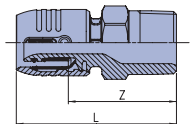
Size	Product No.	L mm	Z mm
16 x 1/2"	0303.6510	49	30
20 x 1/2"	0303.6529	50	30
20 x 3/4"	0303.6537	55	35
25 x 3/4"	0303.6545	62	36
25 x 1"	0303.6553	68	42
32 x 1"	0303.6561	68	42
32 x 1 1/4"	0303.6570	74	48
40 x 1 1/4"	0303.6588	90	53
50 x 1 1/2"	0306.2465	95	57



Tigris M1 • Male Transition Couplers

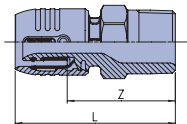
Size	Product No.	L mm	Z mm
16 x 1/2"	0317.0247	47	29
NEW 16 x 3/4"	4032676	44	26
20 x 1/2"	0317.0249	48	30
20 x 3/4"	0317.0250	51	32
25 x 3/4"	0317.0251	57	33
25 x 1"	0317.0252	61	36
32 x 1"	0317.0253	61	37
32 x 1 1/4"	0317.0254	63	39
NEW 40 x 1 1/4"	4032683	79	42
40 x 1 1/2"	0317.0255	79	42
50 x 1 1/2"	0317.0256	79	25
63 x 2"	0317.0257	108	50

2. Fittings



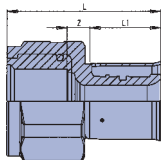
smartFIX • Male Transition Couplers

Size	Product No.	L mm	Z mm
16 x 1/2"	0313.3613	60	39
20 x 1/2"	0313.3621	66	40
20 x 3/4"	0313.3630	71	45



smartFIX • Male Transition Couplers • Metal

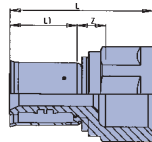
Size	Product No.	L mm	Z mm
16 x 1/2"	0313.3648	60	39
20 x 1/2"	0313.3656	66	40
20 x 3/4"	0313.3664	71	45
25 x 3/4"	0313.3672	78	47
25 x 1"	0313.3680	84	53



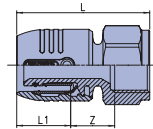
Tigris K1 • Female Transition Couplers

Size	Product No.	L mm	L1 mm	Z mm
16 x 1/2"	0303.6596	43	19	9
20 x 1/2"	0303.6600	44	20	10
20 x 3/4"	0303.6618	47	20	11
NEW 20 x 1"	3031057	51	20	11
25 x 3/4"	0303.6626	54	26	12
25 x 1"	0316.4933	58	26	12
NEW 25 x 1 1/4"	3031058	68	26	18
32 x 1"	0303.6634	58	26	13
40 x 1 1/4"	0307.5265	77	44	13

Tigris M1 • Female Transition Couplers

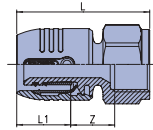


Size	Product No.	L	L1	Z
		mm	mm	mm
16 x 1/2"	0317.0259	41	18	10
NEW 16 x 3/4"	4041973	42	18	11
20 x 1/2"	0317.0260	42	19	10
20 x 3/4"	0317.0262	44	19	11
25 x 3/4"	0317.0263	50	25	11
NEW 25 x 1"	4032692	58	25	13
32 x 1"	0317.0266	58	24	16
NEW 32 x 1 1/4"	4032695	60	24	13
NEW 40 x 1"	4041974	77	38	18
40 x 1 1/2"	0317.0268	77	38	19
50 x 1 1/2"	0317.0270	75	38	17
63 x 2"	0317.0271	102	59	20



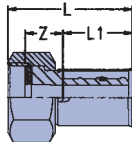
smartFIX • Female Transition Couplers

Size	Product No.	L	L1	Z
		mm	mm	mm
16 x 1/2"	0316.8295	56	21	20
20 x 1/2"	0316.8296	62	26	21
20 x 3/4"	0316.8297	65	26	21
25 x 3/4"	0316.8298	72	31	21
25 x 1"	0316.8299	75	31	21



**smartFIX • Female Transition Couplers
• Metal**

Size	Product No.	L	L1	Z
		mm	mm	mm
16 x 1/2"	0313.3699	56	21	20
20 x 1/2"	0313.3702	62	26	21
20 x 3/4"	0313.3710	62	26	21
25 x 3/4"	0313.3729	84	31	21
25 x 1"	0313.3737	84	31	21

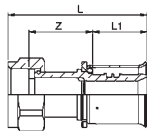


Tigris K1 • Female Threaded Connections*

Size	Product No.	L mm	L1 mm	Z mm
16 x 3/4"	0303.6642	40	19	12
20 x 3/4"	0303.6650	41	20	12
20 x 1 1/2"	0314.2159	45	20	14
25 x 1"	0303.6669	50	26	14
25 x 1 1/2"	0314.2140	51	26	15
32 x 1 1/4"	0303.6677	51	26	15
32 x 1 1/2"	0314.2132	71	26	15
40 x 1 1/2"	0303.6685	72	39	22
50 x 2 3/8"	0306.2503	83	39	26

Gives detachable screw connections for surface-mounted connection to fittings.

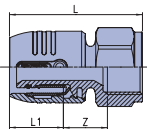
*with flat sealing washer.



Tigris M1 • Female Threaded Connections*

Size	Product No.	L mm	L1 mm	Z mm
NEW 16 x 1/2"	4032700	46	19	19
NEW 20 x 1/2"	4032703	55	20	27
NEW 20 x 3/4"	4032704	51	20	21
NEW 25 x 3/4"	4041979	52	26	22
NEW 25 x 1"	4032706	59	26	22

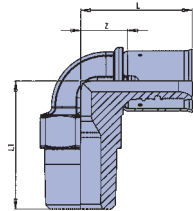
*with flat sealing washer.



smartFIX • Female Threaded Connections*

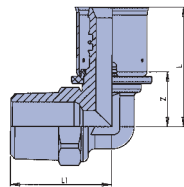
Size	Product No.	L mm	L1 mm	Z mm
16 x 3/4"	0313.3800	50	21	30
20 x 3/4"	0313.3818	63	26	37

*with flat sealing washer.



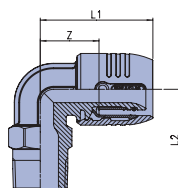
Tigris K1 • Transition elbow 90° Male

Size	Product No.	L mm	L1 mm	Z mm
16 x 1/2"	0303.6073	33	38	14
20 x 1/2"	0307.5338	34	41	15
20 x 3/4"	0303.6081	37	45	18
25 x 3/4"	0303.6090	44	47	18
32 x 1"	0303.6103	49	57	23



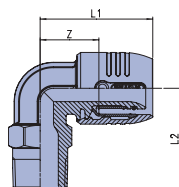
Tigris M1 • Transition elbow 90° Male

Size	Product No.	L mm	L1 mm	Z mm
16 x 1/2"	0317.0142	36	30	19
20 x 1/2"	0317.0143	37	32	19
20 x 3/4"	0317.0144	40	33	21
25 x 3/4"	0317.0145	47	35	23
NEW 25 x 1"	4041977	51	40	23
32 x 1"	0317.0146	51	42	27
NEW 40 x 1 1/4"	4041978	72	50	34
NEW 50 x 1 1/2"	4041157	80	56	41
NEW 63 x 2"	4041166	108	70	49



smartFIX • Transition elbow 90° Male*

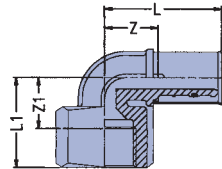
Size	Product No.	L1 mm	L2 mm	Z mm
16 x 1/2"	0313.3486	43	40	22
20 x 1/2"	0313.3494	50	41	24
20 x 3/4"	0313.3508	50	46	24
25 x 3/4"	0313.3516	59	49	28



**smartFIX • Transition elbow 90° Male
• Metal**

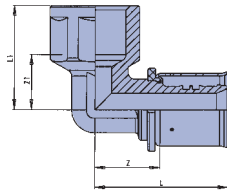
Size	Product No.	L1 mm	L2 mm	Z mm
16 x 1/2"	0313.3524	43	40	22
20 x 1/2"	0313.3532	50	41	24
20 x 3/4"	0313.3540	50	46	24
25 x 3/4"	0313.3559	59	47	28

2. Fittings



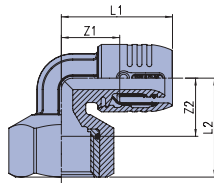
Tigris K1 • Transition elbow 90° Female

Size	Product No.	L mm	L1 mm	Z mm	Z1 mm
16 x 1/2"	0303.6111	38	33	19	18
20 x 1/2"	0303.6120	39	35	19	20
20 x 3/4"	0303.6138	42	38	22	21
25 x 3/4"	0303.6146	49	40	23	23
32 x 1"	0303.6154	55	47	29	28



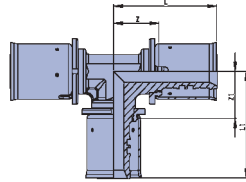
Tigris M1 • Transition elbow 90° Female

Size	Product No.	L mm	L1 mm	Z mm	Z1 mm
16 x 1/2"	0317.0148	39	30	21	17
20 x 1/2"	0317.0149	40	32	21	18
20 x 3/4"	0317.0150	44	31	25	17
25 x 3/4"	0317.0151	49	33	25	18
NEW 25 x 1"	4041975	53	33	25	18
32 x 1"	0317.0152	54	39	30	22
NEW 40 x 1 1/4"	4041976	74	41	35	23
40 x 1 1/2"	0317.0153	79	45	40	26
50 x 1 1/2"	0317.0154	79	50	41	31
NEW 63 x 2"	4041156	108	66	49	40



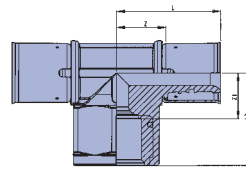
smartFIX • Transition elbow 90° Female

Size	Product No.	L mm	L1 mm	Z mm	Z1 mm
Plastic					
16 x 1/2"	0313.3567	43	22	36	20
20 x 1/2"	0313.3575	50	24	38	22
20 x 3/4"	0313.3583	50	24	41	24
Metal					
25 x 3/4"	0313.3591	62	28	40	24
25 x 1"	0313.3605	64	28	42	26



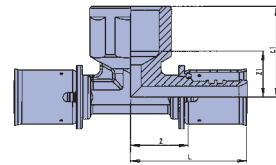
Tigris M1 • Threaded Tee - Male

Size	Product No.	L mm	L1 mm	Z mm
16 x 1/2" x 16	0317.0221	36	30	15
20 x 1/2" x 20	0317.0222	37	32	15
20 x 3/4" x 20	0317.0223	40	33	17



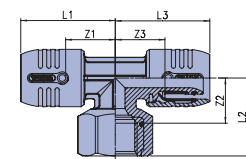
Tigris K1 • Threaded Tee - Female

Size	Product No.	L mm	L1 mm	Z mm	Z1 mm
16 x 1/2" x 16	0303.6383	38	33	19	18
20 x 1/2" x 20	0307.5249	38	35	19	19
20 x 3/4" x 20	0303.6391	42	38	22	21
25 x 1/2" x 25	0314.5085	49	40	23	23
25 x 3/4" x 25	0307.5257	49	40	23	23



Tigris M1 • Threaded Tee - Female

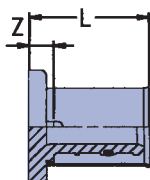
Size	Product No.	L mm	L1 mm	Z mm	Z1 mm
16 x 1/2" x 16	0317.0212	39	30	21	17
20 x 1/2" x 20	0317.0213	40	32	21	18
20 x 3/4" x 20	0317.0214	44	31	25	17
25 x 1/2" x 25	0317.0215	46	31	21	17
25 x 3/4" x 25	0317.0216	49	33	25	18
NEW 32 x 1/2" x 32	4041167	48	33	24	20
NEW 32 x 1" x 32	0317.0217	54	39	25	22
40 x 3/4" x 40	4041980	62	39	30	28
40 x 1" x 40	0317.0218	69	42	31	25
50 x 1" x 50	0317.0219	71	45	32	28
63 x 2" x 63	0317.0220	110	62	51	39



smartFIX • Threaded Tee - Female

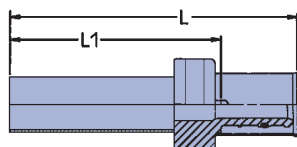
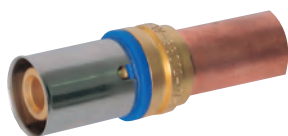
Size	Product No.	L mm	L1 mm	L2 mm	Z mm	Z1 mm	Z2 mm
16 x 1/2" x 16	0313.3745	42	36	42	21	20	21
20 x 1/2" x 20	0313.3753	50	38	50	24	22	24
20 x 3/4" x 20	0313.3761	50	41	50	24	23	24

2. Fittings



Tigris K1 • End stoppers

Size	Product No.	L mm	Z mm
16	0313.2510	33	12
20	0313.2528	38	12
25	0313.2340	44	14



Tigris K1/M1 • Press-fit transitions to copper, steel and stainless steel

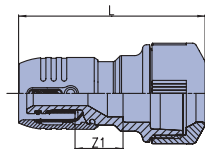
Size	Product No.	L mm	Z1 mm
16 x 15	0313.2277	66	43
20 x 15	0316.0955	74	45
20 x 18	0313.2285	76	46
NEW 20 x 22	4037451	74	47
25 x 22	0313.2293	80	49
25 x 28	0316.8434	93	63

No soldering! For copper-side pressing, the specifications of the copper fitting manufacturer with respect to press shape, pressing jaws and drive machines must be followed.



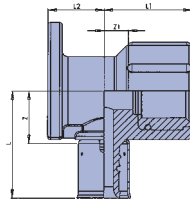
Tigris K1/M1 • Push-fit transitions to copper and Hep2O PB pipe

Size	Product No.
16 x 15	3052945
20 x 22	3052946
25 x 22	3052947
25 x 28	3052948
32 x 28	3052949



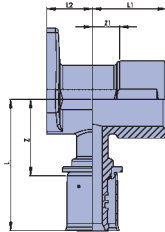
smartFIX • Push-fit transitions to copper and Hep2O PB pipe

Size	Product No.	L mm	Z1 mm
16 x 15	0313.3834	11	59
20 x 22	0313.3842	18	75
25 x 28	0316.4942	18	89



Tigris K1 • 90° Female wall plate elbow

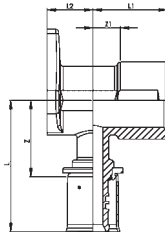
Size	Product No.	L	L1	L2	Z	Z1
		mm	mm	mm	mm	m
16 x 1/2"	0303.6162	38	30	20	21	16
20 x 1/2"	0303.6170	39	20	20	26	18
20 x 3/4"	0303.6189	42	19	19	27	18



Tigris M1 • 90° Female wall plate elbow

Size	Product No.	L	L1	L2	Z	Z1
		mm	mm	mm	mm	m
16 x 1/2"	0317.0158	46	26	16	28	13
20 x 1/2"	0317.0160	47	28	18	29	15
20 x 3/4"	0317.0161	47	29	18	29	15
25 x 3/4"	4042087	51	29	26	29	15

NEW

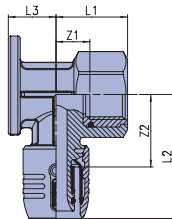


Tigris M1 - Extended Female wall plate elbow

Size	Product No.	L	L1	L2	Z	Z1
		mm	mm	mm	mm	m
16 x 1/2"	4032587	47	36	16	28	23
20 x 1/2"	4041169	48	34	18	29	21

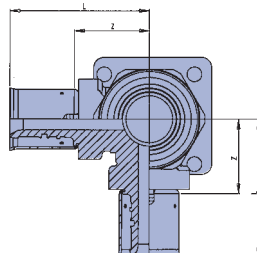
NEW

NEW



smartFIX • 90° Female wall plate elbow

Size	Product No.	L1	Z1	L2	Z2	L3
		mm	mm	mm	mm	m
Plastic						
16 x 1/2"	0313.3770	33	12	50	30	18
20 x 1/2"	0313.3788	30	14	56	31	20
20 x 3/4"	0313.3796	33	17	60	35	20



Tigris K1 • 90° Female Double wall plate elbow

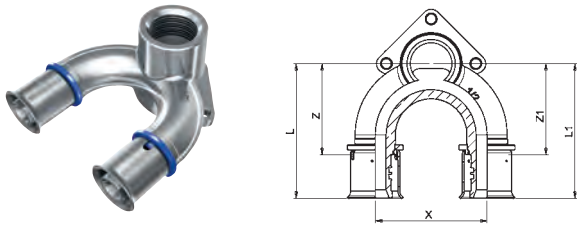
Size	Product No.	L	Z
		mm	mm
16 x 1/2" x 16	0306.3500	42	23
20 x 1/2" x 20	0306.3518	40	19

For fitting connections.

Single/multiple fixing of the wall plate elbow to the retaining plate with self-tapping screws: 4.2 x 13 mm (without sound insulation)

4.2 x 19 mm (with sound insulation)

2. Fittings



Tigris M1 • 180° Female Double wall plate

	Size	Product No.	L mm	Z mm
NEW	16 x ½" x 16	4032590	59	40
NEW	20 x ½" x 20	4032591	60	41



Tigris Inline Circulation Connection Kit

	Size	Product No.
NEW	40 x 32 mm	3040808
NEW	50 x 32 mm	3040819

Only on project specific request.
Other dimensions possible.

Tigris Inline Circulation Pipe PE-Xc

	Size	Product No.	Length
NEW	8 mm	4041209	100
NEW	12 mm	4041208	100



Tigris Inline Circulation Fitting

	Size	Product No.
NEW	1" x ¾" for 8 mm PE-Xc-pipe	4041206
NEW	1 ½" x ¾" for 12 mm PE-Xc-pipe	4041207



Soundinsulation • for wall plate

	Size	Product No.
NEW	Tigris M1 double wall plate female 180° 16 x ½"	4041218
NEW	Tigris M1 wall plate female 16 x ½"	4041219
NEW	Tigris M1 wall plate female 20 x ¾"	4041220
NEW	Tigris K1 wall plate female 16 x ½"	4041220
NEW	smartFIX wall plate female 16 x ½"	4041220

* From EPDM.



Tigris K1 • Retaining plates for washstand

Type	Product No.	Actual dimension
76,5	0313.8879	76,5
153	0313.8887	153*

*Galvanised, 1.5 mm.

Inc. 2 pre-installed 16 mm x ½” Female wall plate elbows and sound insulation. Inc. retaining point for wastewater pipe DN40 and wall fixing set. In the case of dry construction systems, additional fixings must be used and the specifications of the system manufacturer must be observed.

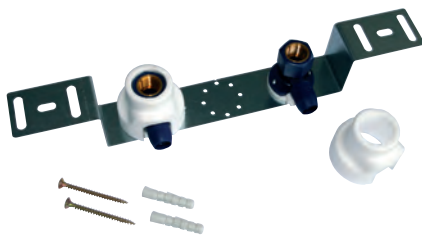


Tigris K1 • Retaining plates for baths or shower trays

Type	Product No.	Actual dimension
153/76,5	0313.8895	153

* Galvanised, 1.5 mm.

Inc. 2 pre-installed 16 mm x ½” Female wall plate elbows and sound insulation. Inc. wall fixing set. In the case of dry construction systems, additional fixings must be used and the specifications of the system manufacturer must be observed.



smartFIX • Retaining plates for baths or shower connections

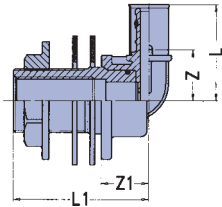
Type	Product No.
153/76,5	0314.6316



Tigris M1 • Retaining plates for baths or shower connections

Type	Product No.
NEW 153/16 x ½"	4037392
NEW 153/20 x ½"	4037415

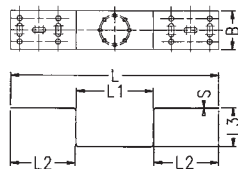
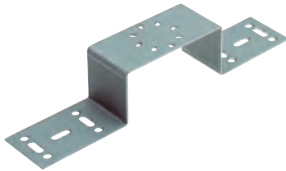
2. Fittings



Tigris K1 • 90° Female wall plate elbow for dry wall construction*

Size	Product No.	L	L1	Z	Z1
		mm	mm	mm	mm
NEW 16 x 1/2" 39 mm	3023502	43	60	23	21
NEW 16 x 1/2" 48 mm	3023535	43	68	23	21
NEW 16 x 1/2" 59 mm	3023503	43	80	23	21

* Adjustable with cap nut and sound insulation inserts for different wall thicknesses



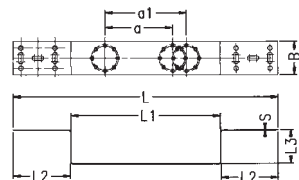
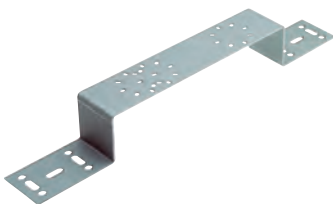
Single retaining plates

Description	Product No.	L	L1	L2	Z	Z1	Z2
		mm	mm	mm	mm	mm	mm
Single retaining plates	0303.6820	270	100	85	50	50	2

In steel, galvanised. For Wavin Tigris K1 / Tigris M1 / smartFIX wall plate elbows.

In the case of dry construction systems, additional fixings are required and the specifications of the system manufacturer must be observed.

Fix the wall plate elbows with self-tapping screws:
4.2 x 13 mm (with no sound insulation)
4.2 x 19 mm (with sound insulation)



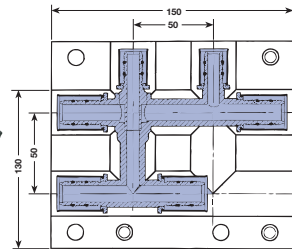
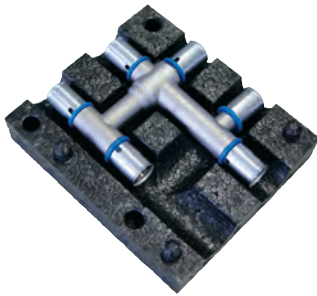
Multiple retaining plates

Typ	Product No.	L	L1	L2	L3	B	S	a	a1
		mm	mm	mm	mm	mm	mm	mm	mm
76,5/153	0303.6839	423	253	85	50	50	2	76,5	153
100/120	0303.6847	390	220	85	50	50	2	100	120

In steel, galvanised. For Wavin Tigris K1 / Tigris M1 / smartFIX wall plate elbows.

In the case of dry construction systems, additional fixings are required and the specifications of the system manufacturer must be observed.

Fix the wall plate elbows with self-tapping screws:
4.2 x 13 mm (with no sound insulation)
4.2 x 19 mm (with sound insulation)

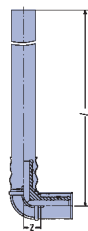


Height = 50 mm

Tigris K1 • Junction fitting

Size	Product No.
16 x 16 x 16	0309.7021
20 x 16 x 16	0309.7048
20 x 16 x 20	0309.7030
20 x 20 x 16	0314.7592

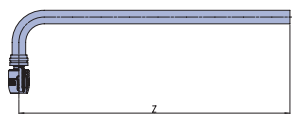
Enables radiator connections without visible junctions, inc. insulation box consisting of top and bottom sections in expanded polypropylene (WLG = 035) with 13 mm insulation. Complies with the requirements of the energy saving regulation in the area of pipe junctions and wall openings.



Tigris K1 • Radiator connection pipes*

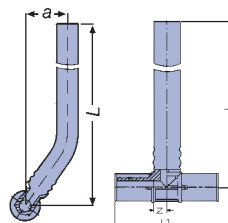
Type	Product No.	Z mm	L mm
16/300	0311.5364	-	300

* Angle with 15 x 1.0 mm integrated, nickel-plated copper pipe for connecting radiators.



smartFIX • Radiator connection pipes

Size	Product No.	Z mm
16 x 15/300	0313.3826	300

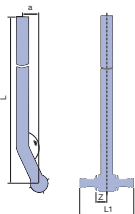


Tigris K1 • Radiator T connection*

Type	Product No.	Z mm	a mm	L mm	L1 mm
16/300	0312.6005	12	29	300	62
20/300	0312.6021	12	30	300	74

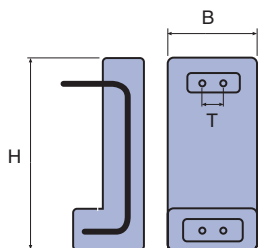
* T-piece with 15 x 1.0 mm integrated, nickel-plated, offset copper pipe for connecting radiators.

2. Fittings



smartFIX • Radiator T connection

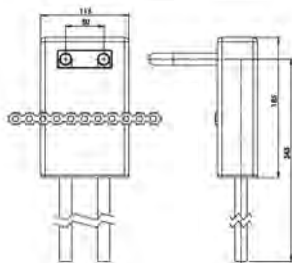
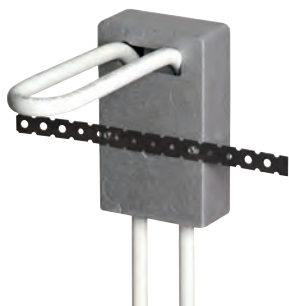
Size	Product No.	L mm	L1 mm	a mm	z mm
16 x 15 / 300	0314.7428	300	84	29	12



Radiator connecting block

Type	Product No.	H mm	B mm	T mm
16	0311.8452	240	110	50

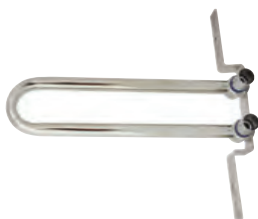
Radiator connecting curve in Wavin Tigris pipe 16 x 2.00 mm; Pipe spacing 50 mm horizontal, 200 mm vertical; suitable for all common valve radiators; Insulation box in neopor (WLG035), 100% compliant with energy saving regulation.



Radiator connecting block

Type	Product No.	H mm	B mm	T mm
Vario	0314.5255	565	116	50

Radiator connecting curve in Wavin Tigris pipe 16 x 2.00 mm; Pipe spacing 50 mm horizontal, for variable connection heights; suitable for all common valve radiators; Insulation box in neopor (WLG035), 100% compliant with energy saving regulation.



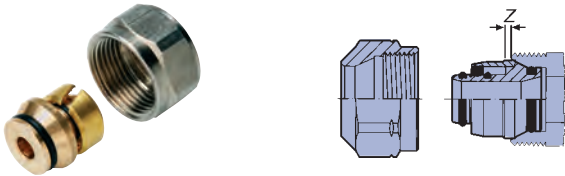
Tigris K1 • Radiator assembly fittings for the wall

Type	Product No.
16 x 15 / 230	0316.8859



Tigris K1 • Radiator assembly fittings for the floor

Type	Product No.
16 x 15 / 330	0316.8840



Tigris K1 • Female Threaded connections
“EUROCONE”*

Size	Product No.	Z mm
16 x 3/4"	4887.9000	2
20 x 3/4"	4200.5000	2

* For Tigris K1 heating fittings with 3/4" male thread (Eurocone).

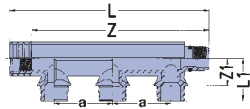


Tigris K1/Tigris M1/smartFIX • Stop-ends

Size	Product No.
16	0309.7056
20	0309.7064
25	0309.7072

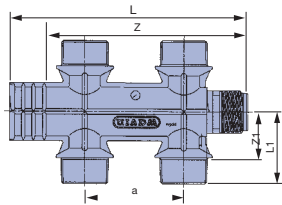
Reusable stopper for pressure testing Wavin multi-layer composite pipe in accordance with DIN 1988 part 2 and DIN 18380.

3. Plastic Manifolds and Accessories



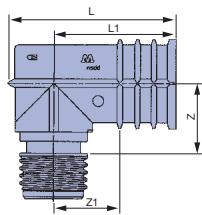
Plumbing and heating manifolds • Single-sided

Size	Product No.	L mm	L1 mm	Z mm	Z1 mm	a mm
2-port	0306.1817	133	39	112	26	55
3-port	0306.1833	188	39	167	26	55



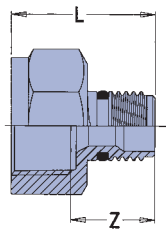
Plumbing and heating manifolds • Double-sided

Size	Product No.	L mm	L1 mm	Z mm	Z1 mm	a mm
4-port	0313.5829	135	39	110	26	55



Manifold elbow

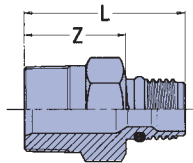
Size	Product No.	L mm	Z mm	L1 mm	Z1 mm
90°	0313.5853	59	18	38	16
270°	0313.5861	59	18	38	16



Manifold threaded transition fitting - female*

Size	Product No.	L mm	Z mm
3/4"	0306.1850	45	29

* For 3/4" threaded transitions on alternative pipe systems.



Manifold threaded transition fitting - male*

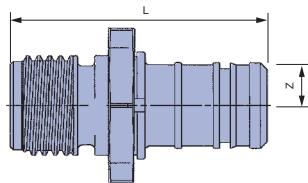
Size	Product No.	L mm	Z mm
¾"	0308.2946	57	34
1"	0308.2954	62	40

For ¾" and 1" threaded transitions on alternative pipe systems



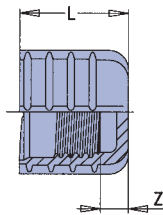
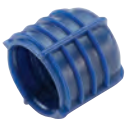
smartFIX • Manifold couplers

Size	Product No.	L mm	Z mm
20	0316.4950	58	8
25	0316.4969	64	10



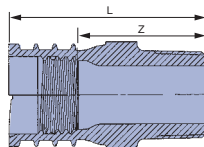
Tigris K1 • Manifold couplers

Size	Product No.	L mm	Z mm
20	0313.9336	58	8
25	0313.9344	61	8
32	0313.9352	67	8



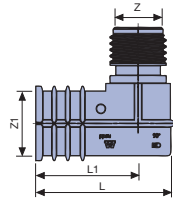
Manifold caps

Description	Product No.	L mm	Z mm
Manifold caps	0306.1868	28	7



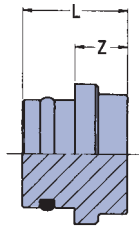
Threaded manifold connector

Type	Product No.	L mm	Z mm
¾"	0313.5845	59	41



Tigris K1 • 90° manifold connecting elbow

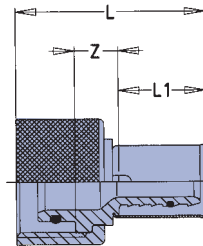
Type	Product No.	L mm	Z mm	L1 mm	Z1 mm
¾" inlet	0313.5837	58	21	42	25



Manifold stoppers*

Description	Product No.	L mm	Z mm
Manifold stoppers	0307.5273	18	9

* For manifold outlet.



Tigris K1 • Manifold outlet adapter*

Size	Product No.	L mm	L1 mm	Z mm
16	0306.7190	46	21	11
20	0306.7203	52	27	11

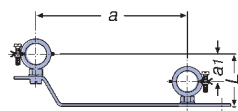
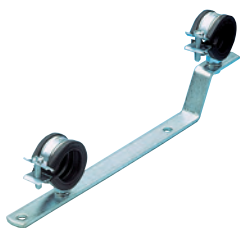
* Includes cap nut for connecting Wavin Tigris multi-layer composite pipes.



smartFIX • Manifold outlet adapter*

Size	Product No.	L mm	L1 mm	Z mm
16	0316.4977	42	24	10
20	0316.4985	63	30	15

* Includes cap nut for connecting Wavin Tigris multi-layer composite pipes.



Manifold holders*

Description	Product No.	L mm	L1 mm	Z mm
Manifold holders	4803.8000	210	38	73

* In steel, galvanised.

For PPSU manifolds, consisting of a fixing rail with two pipe clamps including sound insulation insert.

4. Tools and Accessories



Battery Press tool ACO202

NEW	Description Battery Press tool ACO202	Product No. 4046766
<p>For perfect connections of Wavin Tigris K1/M1 press-fittings. Packed in a plastic case including battery and charger, without press jaws.</p>		



Electro-Hydraulic press tool ECO202

NEW	Description Electro-Hydraulic press tool ECO202	Product No. 4046767
<p>Zur einwandfreien Herstellung von Wavin Tigris-K1-/M1-Pressverbindungen. Verpackt in einem Kunststoffkoffer, ohne Pressbacken.</p>		



Battery Press tool "Mini" ACO102

NEW	Description Battery Press tool "Mini" ACO102	Product No. 4046765
<p>For perfect connections of Wavin Tigris K1/M1 press-fittings. Packed in a plastic case including battery and charger, without press jaws. Suitable for dimensions 16-40 mm.</p>		



Spare battery • for battery press tool ACO202

NEW	Description Spare battery 1,5 Ah for ACO202	Product No. 4046768
NEW	Description Spare battery 3,0 Ah for ACO202	Product No. 4046769



Spare battery • for battery press tool "Mini" ACO102

NEW	Description Spare battery 1,5 Ah for ACO102	Product No. 4046770
NEW	Description Spare battery 3,0 Ah for ACO102	Product No. 4046771

4. Tools and Accessories



Battery charger 230 V for ACO202

	Description	Product No.
NEW	Battery charger 230 V LGL 1 for ACO202	4046772



Battery charger 230 V for "Mini" ACO102

	Description	Product No.
NEW	Battery charger 230 V LGL 1 for ACO102	4046773



Tigris K1/M1 • Pressing jaws

	Size	Product No.
NEW	16	4046691
NEW	20	4046694
NEW	25	4046695
NEW	32	4046756
NEW	40	4046758
NEW	50	4046759
NEW	63	4035779

Pressing jaws to use with press tools ACO202, ECO202, UAP3L and UNP2.



Tigris K1/M1 • Pressing jaws for the "Mini" ACO102

	Size	Product No.
NEW	16	4046556
NEW	20	4046557
NEW	25	4046558
NEW	32	4046559
NEW	40	4046560



Case for pressing jaws 16 – 32 mm

	Description	Product No.
NEW	Case for pressing jaws 16 – 32 mm	3024362

* With room for each pressing jaw 16, 20, 25 and 32 mm.
Without pressing jaws.



Hand pressing tool

	Size	Product No.
NEW	16/20*	0305.2842
NEW	16 mm insert	0305.2850
NEW	20 mm insert	0305.2869

* Basic tool without inserts.
For perfect connections of Wavin Tigris K1 press-fittings from 16 mm to 20 mm. Packed in a metal case.



**Tigris • Pipe cutter
Inc. hold function**

	Description	Product No.
	Pipe cutter 16 – 25 mm inc. hold function	0317.0497
NEW	Replacement blade for pipe cutter	4037386



Tigris • Pipe cutter

	Description	Product No.
	Pipe cutter 16 – 63 mm	4485.7000
	Replacement blade for pipe cutter	5097.0000



Tigris • Handle for calibrating pin

	Description	Product No.
	Power click handle for calibrating pin	0313.2552

4. Tools and Accessories



Tigris • Handle for calibrating pin

Description	Product No.
Power click handle for calibrating pin	0317.0489



Tigris • Calibrating pin*

Size	Product No.
16	0305.3083
20	0305.3091
25	0305.3105
32	0305.3113

* Can also be used with battery screwdriver.



Tigris • Calibrating pin

Size	Product No.
40	0316.8808
50	0316.8816
63	0317.0365



Tigris • Star calibrator

Description	Product No.
Star calibrator 16, 20, 25 mm	0316.8382



Tigris • Calibrating set*

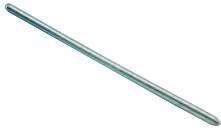
Description	Product No.
Wavin calibrating set 16 – 32 mm	0313.2544

* In case, inc. handle.



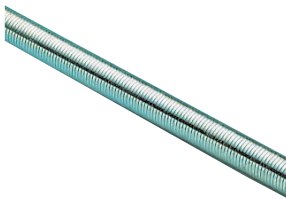
Tigris • Calibrating set with pipe cutter

Description	Product No.
Calibrating set with pipe cutter	0314.8351



Tigris • Internal bending spring

Size	Product No.
16	4829.1000
20	7137.4000
25	4831.3000



Tigris • External bending spring

Size	Product No.
16	0313.2447
20	0313.2463
25	0313.2471

External bending spring to create curves up to 90° in Wavin multi-layer composite pipe.



Tigris • Bending pliers

Size	Product No.
16/20/25	0313.2455

Bending pliers to create pipe curves up to 90° in the Wavin multi-layer composite pipes of sizes 16, 20 and 25 mm. Light, handy device, includes bending templates and case. Weight: approx. 3.6 kg (complete set)



Tigris • Pipe bending tool

	Size	Product No.
NEW	16	4043224
NEW	20	4043225

Discover our broad portfolio at
www.wavinoverseas.com
www.wavin.ae
www.wavin.asia



Water management | Heating and cooling | Water and gas distribution
Waste water drainage | Cable ducting

Connect to better at:

- ⦿ www.wavinoverseas.com or
- ⦿ www.wavin.ae for Middle East & North Africa
- ⦿ www.wavin.asia for Asia Pacific

Wavin operates a programme of continuous product development, and therefore reserves the right to modify or amend the specification of their products without notice. All information in this publication is given in good faith, and believed to be correct at the time of going to press. However, no responsibility can be accepted for any errors, omissions or incorrect assumptions. Users should satisfy themselves that products are suitable for the purpose and application intended.



CONNECT TO BETTER