

TML

Socketless cast iron
waste water system for civil
engineering applications

Product information



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Tough and corrosion-resistant

RSP®'s TML range, which consists of more than 60 products, has been specially designed for buried systems as per DIN EN 877 and is used for connecting buildings to the public sewer network. It is characterised by a particularly rugged construction and high resistance to corrosion.

Compressive strength

The system's high compressive strength means that under certain conditions it is suitable for exposure to the heavy loads encountered on roads. In this case embedment must be carried out according to the standard DIN EN 1610, and a depth of cover of at least 0.8-6 m ensured.

Aggressive environments

The high-quality zinc and epoxy resin coatings on these pipes and fittings give them outstanding protection against corrosion, for example in aggressive soil. This makes the TML range suitable for use even in high pH soil. Inside there is a smooth epoxy coating to ensure optimal flow properties.

Reliable connections

Generally SVE or stainless steel couplings are used for joining TML pipes and fittings. If required, suitable claws can additionally be used. RSP® is of course able to offer its customers all of these products. Please see page 11 for information on ordering catalogues.

Coatings and installation



Coatings

TML fittings are galvanised on the outside, and coated externally and internally with a brown epoxy resin powder coating.

TML cast iron pipes are spray-galvanised on the outside and then coated with a standard-compliant epoxy finishing coat. They also have a high-quality epoxy coating on the inside.

This coating's resistance to the waste waters encountered in this area of application, and to aggressive and acidic soils, far exceeds the levels stipulated in DIN EN 877.

Coating thicknesses

Fittings:

Internal approx. 200 µm (epoxy powder)
External approx. 100 µm (zinc) and approx. 200 µm (epoxy powder)

Pipes:

Internal 110-130 µm (epoxy paint)
External 130 g/m² (zinc) and 60-100 µm (epoxy finishing coat)

Installation

TML cast iron pipes are supplied in a length of 3000 mm. They can be easily cut to size on the construction site using an electric pipe saw (e.g. Rothenberger Pipecut) or – under certain circumstances – an angle grinder.

Please ensure the cut is precise and square to guarantee reliable, non-leaky joints between pipes and fittings. It is advisable to apply an edge seal coating to the cut edges to prevent infiltration and corrosion.

RSP® products are compatible with all products that comply with the standards relevant to TML systems.

Generally the standards applicable to drains (e.g. DIN EN 1610 or DIN 1986) are mandatory for the installation of TML systems.

Contents | Product overview

Design dimensions (DIN EN 877 and DIN 19522)	6
Pipe (3000 mm, 1000 mm)	6
Bend 15°	7
Bend 30°	7
Bend 45°	7
Plug	8
Branch 45°	8
Short pipe with rectangular access door	9
Reducing pipe eccentric	9
Adapter with clamp and wall flange	9

All parts from our SML range are available as TML parts on request.

Questions? We can help.

You can find more information on planning and installation in our "Technology and installation" catalogue.

Design dimensions (DIN EN 877 and DIN 19522)

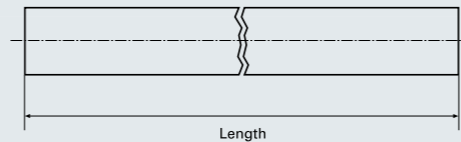
Nominal size	Outside diameter		Wall thickness				Insertion length (sealing zone)	Pipe weight (empty)	Surface area
			Pipe		Fitting				
DN*	DE*	Tolerance*	E*	Tolerance*	e*	Tolerance*	t*	Approx. kg/m	Per m
100	110	+2/-1	3.5	-0.5	4.2	-0.7	40	8.3	0.35
125	135	+2/-2	4.0	-0.5	4.7	-1.0	45	11.7	0.42
150	160	+2/-2	4.0	-0.5	5.3	-1.3	50	14.0	0.50
200	210	+2/-2	5.0	-1.0	6.0	-1.5	60	23.0	0.65
250	274	+2.5/-2.5	5.5	-1.0	7.0	-1.5	70	33.0	0.85
300	326	+2.5/-2.5	6.0	-1.0	8.0	-1.5	80	43.2	1.02
400	429	+2/-3	6.3	-1.3	8.1	-1.7	80	59.8	1.34

*All dimensions in mm.

Pipe

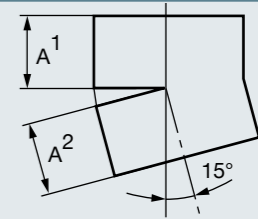
(Length = 3000 mm)

DN	kg	Item no.
100	25.0	TROHRDN100
125	35.0	TROHRDN125
150	42.0	TROHRDN150
200	69.0	TROHRDN200
250	99.0	TROHRDN250
300	130.0	TROHRDN300
400	182.0	TROHRDN400



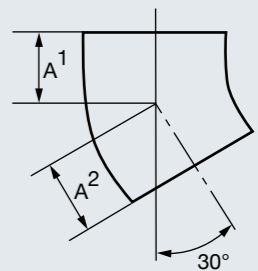
Bend 15°

DN	A	kg	Item no.
100	50	1.0	T10015
125	60	1.7	T12515
150	65	2.5	T15015
200	80	4.6	T20015



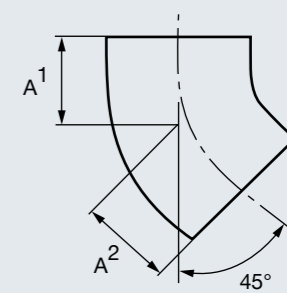
Bend 30°

DN	A	kg	Item no.
100	60	1.3	T10030
125	70	2.0	T12530
150	80	3.0	T15030
200	95	5.4	T20030
250	110	9.7	T25030
300	130	15.5	T30030



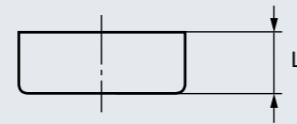
Bend 45°

DN	A	kg	Item no.
100	70	1.6	T10045
125	80	2.3	T12545
150	90	3.5	T15045
200	110	6.2	T20045
250	130	10.3	T25045
300	155	17.3	T30045
400	247	36.0	T40045



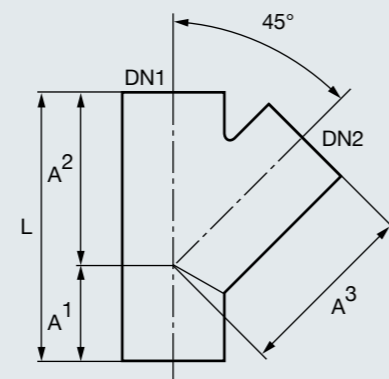
Plug

DN	L	kg	Item no.
100	40	0.5	TENDDE100
125	45	1.1	TENDDE125
150	50	1.7	TENDDE150
200	60	3.1	TENDDE200



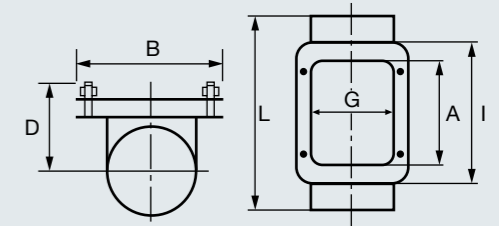
Branch 45°

DN1/DN2	A ¹	A ²	A ³	L	kg	Item no.
100/100	70	205	205	275	4.2	T10010045
125/100	60	220	220	280	5.2	T12510045
125/125	80	240	240	320	6.4	T12512545
150/100	55	240	240	295	6.8	T15010045
150/125	70	255	255	325	8.0	T15012545
150/150	90	265	265	355	9.2	T15015045
200/100	40	265	265	305	10.0	T20010045
200/125	55	280	280	335	11.9	T20012545
200/150	75	300	300	375	13.3	T20015045
200/200	115	340	340	455	17.2	T20020045
250/100	15	310	310	325	15.4	T25010045
250/125	35	335	335	370	17.9	T25012545
250/150	55	350	350	405	20.2	T25015045
250/200	90	385	385	475	25.1	T25020045
250/250	130	430	430	560	31.5	T25025045
300/100	5	345	345	350	22.0	T30010045
300/125	15	360	360	375	23.9	T30012545
300/150	35	380	380	415	26.9	T30015045
300/200	70	415	415	485	34.0	T30020045
300/250	115	465	465	580	42.1	T30025045
300/300	155	505	505	660	50.1	T30030045
400/300	105	555	555	660	60.0	T40030045



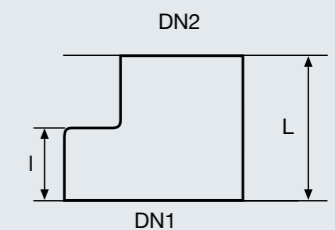
Short pipe with rectangular access door

DN	D	B	G	A	I	L	kg	Item no.
100	83	157	100	200	230	340	7.6	TREINIG100ECK
125	101	190	125	225	255	370	10.3	TREINIG125ECK
150	112	215	150	250	280	395	14.5	TREINIG150ECK
200	137	265	200	300	330	465	22.0	TREINIG200ECK
250	170	330	259	350	426	570	36.5	TREINIG250ECK
300	195	380	309	400	476	640	51.0	TREINIG300ECK



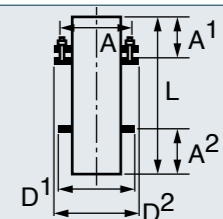
Reducing pipe eccentric

DN1/DN2	I	L	kg	Item no.
125/100	50	95	1.5	TÜBERG125100
150/100	60	105	2.2	TÜBERG150100
150/125	60	110	2.2	TÜBERG150125
200/100	70	115	4.1	TÜBERG200100
200/125	70	120	4.1	TÜBERG200125
200/150	65	125	4.3	TÜBERG200150
250/150	80	140	6.8	TÜBERG250150
250/200	80	145	7.0	TÜBERG250200
300/150	96	150	10.7	TÜBERG300150
300/200	95	160	11.4	TÜBERG300200
300/250	95	170	12.4	TÜBERG300250



Adapter with clamp and wall flange

DN	A	A ¹	A ²	D ¹	D ²	L	kg	Item no.
100	191	150	100	190	230	350	11.6	PASSROHR100
125	215	150	100	215	260	350	16.4	PASSROHR125
150	235	150	100	240	280	350	18.5	PASSROHR150



All parts from our SML range are available as TML parts on request.

Benefits at a glance

Easy to install

Compaction of soil followed by embedment of pipe system

Variety of joints available

SVE push fit couplings and one and two-bolt systems (see Couplings catalogue)

Ideal material properties

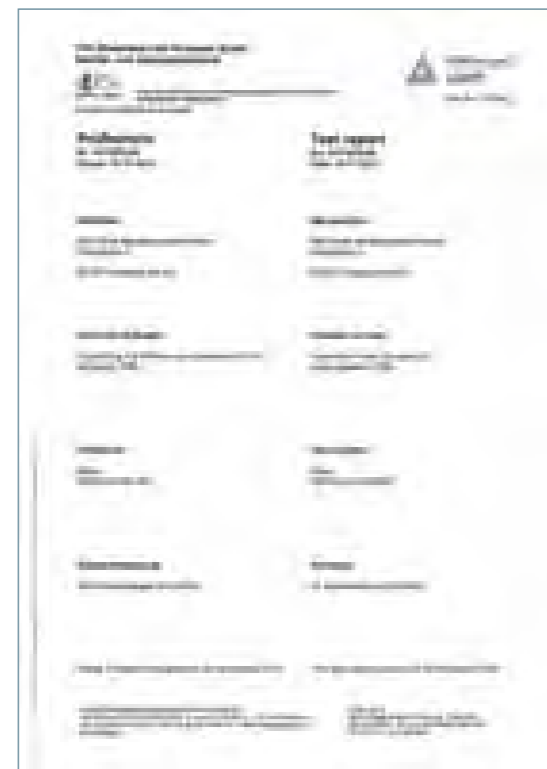
High strength of cast iron makes the TML system able to withstand large traffic loads and depths of cover (see “Technology and installation” catalogue)

Optimal coefficient of linear expansion (0.0105 mm/mK)

Superbly suited to installation in concrete

High corrosion resistance

Specially adapted coating with zinc component



This certificate (which is also available to download from www.rsp-pipes.com) is confirmation that our TML range is standard-compliant and therefore, like all RSP® products, meets very demanding quality criteria.

The full set of RSP® catalogues

Cast iron waste water systems, couplings, and technology and installation

Request a catalogue now!
+49 (0) 8034 70 82-0



RSP®

Well connected



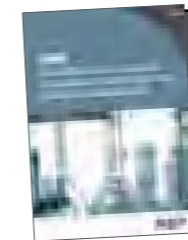
SML

Socketless cast iron waste water system for building construction



BML

Socketless cast iron waste water system for bridge construction



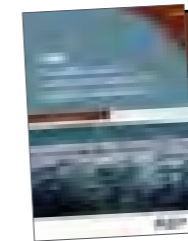
KML

Socketless cast iron system for aggressive waste water from kitchens and laboratories



Couplings

High tensile and standard joints for SML, KML, TML and BML systems



TML

Socketless cast iron waste water system for civil engineering applications



Technology and installation

What you need to know

**Or download any catalogue from:
www.rsp-pipes.com**

